KINTEK®

INNOVATIVE TECHNOMECHANICAL COMPONENTS

Worldwide
+450 Customers around the world/ +40 Countries where KINTEK is distributed

Special production
20% special products realized every year on your demands

Quality
97%Customers satisfaction rate

We brand Quality!

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2022

30+ years producing toolholders for milling and turning machines

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KINTEK®

COMPONENTI INNOVATIVI TECNOMECCANICI

KINTEK s.r.l.
Via Goretta 88/G - 10079 MAPPANO - (TO) - ITALY
Tel. +39 011 99 68 065 - Fax +39 011 99 65 662
e-mail: info@kintek.it
http://www.kintek.it

KINTEK®

NEW PRODUCTION PLANT
A.M.T S.R.L. - CASELLE T.SE - TORINO - ITALY

HEAD OFFICE
KINTEK S.R.L. - MAPPANO - TORINO - ITALY

MAIN PRODUCTION PLANT
KINTEK TOOLING KFT - BEKESCSABA - HUNGARY

KINTEK's main long-term target is the improvement of the services and products offered to the customers, in order to increase their satisfaction and the commercial activity in the various national and international markets.
In order to achieve these targets, **KINTEK** must pursue, ensure and improve the following:

- The observance of the law and technical requirements about the supplied products (with a staff's constant updating through exhibitions and company courses);
- The satisfaction of the customer's explicit requests (by means of a commercial office for the foreign and italian market, with high competence and stronger and stronger experience in the field of mechnical tooling);
- The satisfaction of the customer's implicit requests (considering the received orders or the sent offers critically, checking periodically and frequently the observance of deliveries to the customer, also visiting the customer directly);
- The service provided by the staff's experience;
- The management of claims and possible faulty products (for both manufactured goods and internal industrial processes);
- The constant updating in the technical and computer field.

These activities are based on the following principles:

- Internal and external staff's involvement in quality;
- Identification of the industrial processes that condition the customer's satisfaction and definition of the ways to perform and check these processes;
- Research development in the field of quality of service and/or manufactured goods;
- Constant analysis and control of the processes in order to find the margins of improvement.

The above mentioned principles will be developped according to the following operating procedures:

- Planning and implementation of a Quality System certified according to the UNI EN ISO 9001:2008 Norms

Arrangement, in this system, for specific control and improvement of the processes that determine the customer's satisfaction.

L'obiettivo che la KINTEK intende perseguire e garantire nel tempo è il miglioramento dei servizi e dei prodotti offerti al cliente per aumentare la soddisfazione del cliente stesso e aumentare la copertura commerciale nei vari mercati nazionali ed internazionali.
La KINTEK per raggiungere ciò, si impone di perseguire, garantire e migliorare:

- Il rispetto dei requisiti sia di legge che tecnici relativi ai prodotti forniti (mediante un continuo aggiornamento del proprio personale ottenuto tramite partecipazione a fiere, e a corsi interni);
- Il rispetto delle richieste esplicite del cliente (mettendo a disposizione un ufficio commerciale per il mercato estero e Italia, di elevata professionalità e con un'esperienza che è sempre più consolidata nel settore della utensileria meccanica;
- Il rispetto delle richieste implicite del cliente (mediante un'analisi critica degli ordini ricevuti o dell'offerte inviate, mediante un controllo periodico e frequente sul rispetto delle consegne al cliente,mediante visite dirette presso il cliente);
- Il servizio attraverso l'esperienza del proprio personale;
- La gestione dei reclami e delle eventuali non conformità riscontrate (sia relative al prodotto finito che ai propri processi aziendali);
- Il continuo aggiornamento in campo tecnico e informatico.

Tali attività si fondano sui seguenti principi:

- Coinvolgimento di tutto il personale aziendale interno ed esterno verso la qualità;
- Individuazione dei processi aziendali che influenzano la soddisfazione del Cliente e definizione delle modalità di esecuzione e controllo di tali processi;
- Sviluppo delle attività di ricerca finalizzate alla gestione dei processi che influenzano la qualità del servizio e/o prodotto fornito;
- Analisi e monitoraggio continuo dei processi allo scopo di identificare i margini di miglioramento.

I principi individuati saranno sviluppati attraverso le seguenti modalità operative:

- Progettazione ed Implementazione di un Sistema di Gestione per la Qualità certificabile ai sensi delle Norme UNI EN ISO 9001:2008

Predisposizione, nell'ambito del sistema, di specifiche attività di monitoraggio e miglioramento dei processi che influenzano la soddisfazione del Cliente.

KINTEKS Hauptfernziel ist die Verbesserung der dem Kunden angebotenen Leistungen und Produkte, um dessen Zufriedenheit zu erhöhen sowie die Handelsgeschäfte in den verschiedenen National- und Internationalmärkte zu erweitern.
Zu diesem Zweck verpflichtet sich KINTEK, Folgendes zu verfolgen, zu gewähren und zu verbessern:

- Die Einhaltung von gesetzlichen und technischen Anforderungen in Bezug auf die gelieferten Produkte (mittels einer ständigen Fortbildung des Personals durch Teilnahme an Messen und betriebsinterne Kurse);
- Die Einhaltung der expliziten Anfragen des Kunden, indem eine hochprofessionelle und stark qualifizierte Handelsabteilung für den Innen- und Außenmarkt im Bereich des mechanischen Werkzeugs zur Verfügung steht;
- Die Einhaltung der impliziten Anfrage des Kunden durch eine kritische Analyse der erhaltenen Bestellungen und der gesendeten Angebote, durch eine regelmäßige und häufige Überprüfung der Liefertermine und durch direkte Kundenbesuche;
- Dienstleistung durch die Erfahrung des eigenen Personals;
- Die Reklamationsführung und die Leitung der eventuellen Nichtübereinstimmungen in Bezug auf die Endprodukte und auf die Betriebsverfahren;
- Ständige Fortbildung im technischen und informatischen Bereich.

Solche Tätigkeiten basieren auf folgende Prinzipien:

- Verwicklung des ganzen internen und externen Betriebspersonals in die Qualität;
- Erkennen der Betriebsverfahren, die die Kundenzufriedenheit beeinflussen und Bestimmung der Ausführungs- und Überprüfungswege;
- Entwicklung der Forschungstätigkeiten für die Verfahrungsleitung, welche die Qualität der Dienstleistung bzw. des gelieferten Produkts beeinflusst;
- Analyse und ständige Überwachung der Verfahren, um die Verbesserungsspannen zu bestimmen.

Die obengenannten Prinzipien werden durch die folgenden operativen Modalitäten entwickelt:

- Entwurf und Implementierung von einem Leitungssystem für die Qualität, das gemäß der Normen UNI EN ISO 9001:2008 bescheinigt wird;

Vorbereitung (in diesem System) von spezifischen Überwachungstätigkeiten und Verbesserung der Verfahren, die die Kundenzufriedenheit beeinflussen.

El objetivo que KINTEK quiere alcanzar y asegurar a largo plazo, es el progreso de los servicios y de los productos ofrecidos al cliente para aumentar su satisfacción e incrementar la actividad comercial en los varios mercados nacionales e internacionales.
Para conseguirlo, KINTEK tiene que alcanzar, garantizar y mejorar:
- El cumplimento de los requisitos legales y técnicos sobre los productos suministrados (mediante la actualización continua de su personal, obtenida a través de la participación en ferias y formaciones internas);
- El cumplimento de las peticiones explicitas del cliente (poniendo a su disposición un departamento comercial para el mercado extranjero e italiano, altamente especializado y con una experiencia más y más establecida en el sector de la herramienta mecánica);
- El cumplimento de las peticiones implícitas del cliente (mediante un análisis crítico de los pedidos recibidos o de las solicitudes enviadas, mediante un control periódico y frecuente en el respeto de las entregas al cliente y mediante unas visitas directas al cliente);
- El servicio a través de la experiencia de su personal;
- La tramitación de las reclamaciones y eventuales anomalías en el producto (tanto en relación al producto acabado como a los procesos operativos);
- La continua actualización en ámbito técnico e informático.

Estas actividades se basan en los siguientes principios:
- La participación de todo el personal interno y externo en la calidad;
- La individuación de los procesos operativos que influyen en la satisfacción del cliente y la definición de las modalidades de ejecución y control de esos procesos;
- El desarrollo de las actividades de investigación destinadas a la gestión de los procesos que influyen en la calidad del servicio y/o del producto suministrado;
- El análisis y seguimiento continuo de los procesos con el fin de identificar los márgenes de mejora.

Los principios mencionados se desarrollarán a través de las siguientes modalidades:
- La planificación y la aplicación de un Sistema de Gestión para la Calidad certificado con arreglo a las Normas UNI EN ISO 9001: 2008

Mejora continua en las actividades de seguimiento y mejoría de los procesos que influyen en la satisfacción del cliente

Le but principal à long terme de la KINTEK est celui d'améliorer les services et les produits offerts au client pour augmenter la satisfaction du client même et la couverture commerciale dans les différents marchés nationaux et internationaux.
À cette fin, KINTEK s'engage à poursuivre, garantir et améliorer:
- Le respect des conditions requises au niveau législatif et technique par rapport aux produits fournis (grâce à une formation permanente du personnel obtenu à travers la participation aux foires commerciales et à travers des cours internes);
- Le respect des demandes explicites du client (mettant à disposition une division commerciale très professionnelle et très qualifiée pour le marché étranger et italien et avec une expérience consolidée dans le domaine de l'outillage mécanique);
- Le respect des demandes implicites du client (à travers une analyse critique des ordres reçus ou des offres envoyés, à travers un contrôle régulier et fréquent du respect des délais de livraison au client et à travers des visites directes chez le client) ;
- Le service grâce à l'expérience du personnel;
- La gestion des plaintes et la gestion des non-conformités par rapport aux produits finaux et aux procédés d'entreprise;
- Formation continue dans le domaine technique et informatique.

Ces activités sont basées sur les principes suivants:
- Participation du personnel interne et externe envers la qualité;
- Identification des procédés d'entreprise qui influencent la satisfaction du client et définition des modalités d'exécution et contrôle de ces procédés;
- Développement des activités de recherche pour la gestion des procédés qui influencent la qualité du service et/ou du produit fourni;
- Analyse et supervision continue des procédés afin de déterminer les marges d'amélioration.

Les principes ci-dessus seront développés à travers les modalités opérationnelles suivantes:
- Conception de projet et mise en œuvre d'un système de management de la qualité qui est certifié selon la norme UNI EN ISO 9001:2008;

Prédisposition (dans ce système) des activités spécifiques de contrôle et amélioration des procédés qui influent sur la satisfaction du client.

Основной целью компании KINTEK в долгосрочных отношениях с клиентами – улучшение сервиса и продукции, которую мы предлагаем, для удовлетворения требований наших клиентов, а также для увеличения продаж на национальном и международном рынках.
Для достижения поставленной цели KINTEK осуществлять, гарантировать и улучшать следующее:
- Соблюдение законов и технический требований к поставляемой продукции (сотрудники компании должны постоянно изучать эти пункты на выставках и курсах)
- Удовлетворение четко поставленных требований клиентов (с помощью офиса продаж на зарубежный и итальянский рынки, где работают квалифицированные сотрудники, и с помощью накопления все большего опыта в области механообработки)
- Удовлетворение неясных требований клиентов (проверяя все заказы, получаемые от клиентов, тщательная подготовка коммерческих предложений клиентам, проверяя периодически отгрузки клиентам, посещение клиентов)
- Сервис, предлагаемый опытными профессионалами
- Устранение жалоб и возможно бракованной продукции (проверяя саму продукцию и процесс ее изготовления)
- Постоянное улучшение технических и компьютерных навыков персонала

Эти действия основаны на следующих принципах:
- Вовлечение персонала в решение вопросов качества продукции
- Идентификация промышленных процессов производства для удовлетворения клиентов, влияние на процессы производства и контроль над ними
- Постоянное развитие в области качества сервиса и/или предлагаемой продукции
- Постоянный анализ и контроль над процессами производства для поиска решений по его улучшению

Эти действия основаны на следующих принципах:
- Планирование и внедрение системы качества в соответствии с UNI EN ISO 9001:2008.

Соответствие качества нашей продукции данному стандарту говорит об удовлетворении всех нужд клиентов.

KINTEK 的主要长期目标是通过提高向客户提供的产品和服务的水平，从而加强客户满意度，并逐渐增加在各个国家性及全球性市场上的商业活动。
为了达到这些目标，**KINTEK** 追求、确保并改进：
- 遵守法律，遵循所提供的产品的技术要求（通过参加展会和公司培训课程使员工持续得到提升；
- 满足客户提出的明确要求（通过为国外市场和意大利市场建立一间商务办公室，在机械工具领域取得高的竞争力和越来越丰富的经验）
- 满足客户未明确提出的暗示性的要求（仔细考虑收到的订单和发出的报价，定期、频繁地检查向客户交付货物的质量，也可以直接拜访客户；
- 以员工的经验提供服务；
- 对索赔及可能存在问题的产品进行管理（既包括制成品，也包括内部工业过程；
- 不断地对技术和计算机应用领域进行更新。

这些业务是依据下列原则：
- 内部及外部员工对于质量的参与；
- 找出影响客户满意度的工业过程，确定对这些过程进行处理和检查的方法；
- 在服务及或产品质量领域进行研发；
- 对过程进行持续的分析和控制，以找出可改进处。

上述原则是根据下列操作程序制定出来的：
- 规划及实施符合 UNI EN ISO 9001:2008 标准认证质量体系；

在此系统中，安排决定客户满席度的、具体的过程控制和改进措施。

MODULAR BORING SYSTEM

SISTEMA MODULARE DI BARENATURA

MODULARBOHRSYSTEM

SYSTÈME MODULAIRE D'ALÉSAGE

SISTEMA MODULAR DE ESCARIADO

МОДУЛЬНАЯ СИСТЕМА ДЛЯ РАСТОЧНЫХ РЕЗЦОВ

钻镗系统

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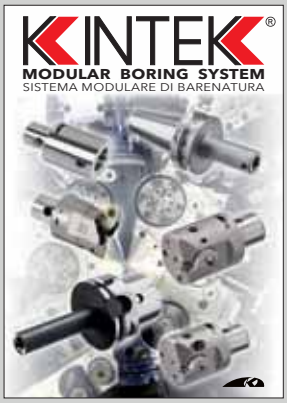

STANDARD TOOLHOLDERS, ACCESSORIES, KITS AND VAR

MANDRINS STANDARD, ACCESSOIRES ET KITS

STANDARD STEILKEGELAUFNAHMEN, ZUBEHÖR UND KIT

MANDRINI STANDARD, ACCESSORI E KIT

CONOS ESTANDAR, ACCESORIOS Y SETS

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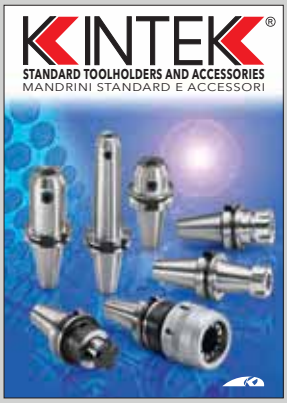

POLYGONAL TOOLHOLDERS DIN ISO 26623-1

MANDRINI ATTACCO POLIGONALE

WERKZEUGHALTER DIN ISO 26623-1

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适用圆柱刀柄的液压膨胀夹头

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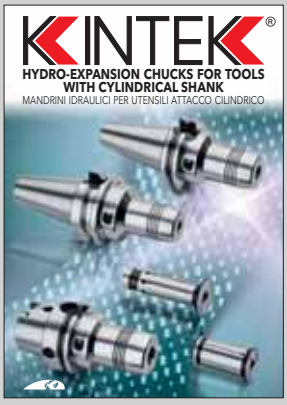

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FAST IN / PORTAUTENSILI ROTANTI VDI PER TORNI CNC SECONDO DIN 69880

FAST IN / ANGETRIEBENE WERKZEUGHALTER FÜR CNC-DREHMASCHINEN NACH DIN 69880

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FAST IN / ПРИВОДНЫЕ ТОКАРНЫЕ ГОЛОВКИ ПО DIN 69880 ДЛЯ СТАНКОВ С ЧПУ

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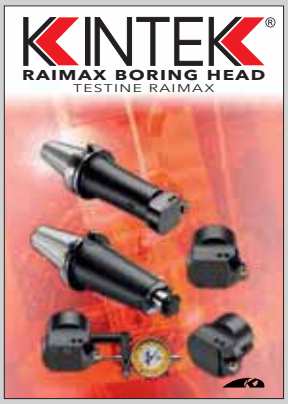

TURNING TOOLS

PORTAINSERTI

KLEMMHALTER/BOHRSTANGEN

PORTA-PLAQUITAS

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KINTEK®

MODULAR BORING SYSTEM

SISTEMA MODULARE DI BARENATURA

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MODULAR BORING SYSTEM

SISTEMA MODULARE DI BARENATURA

MODULAR BOHRSYSTEM

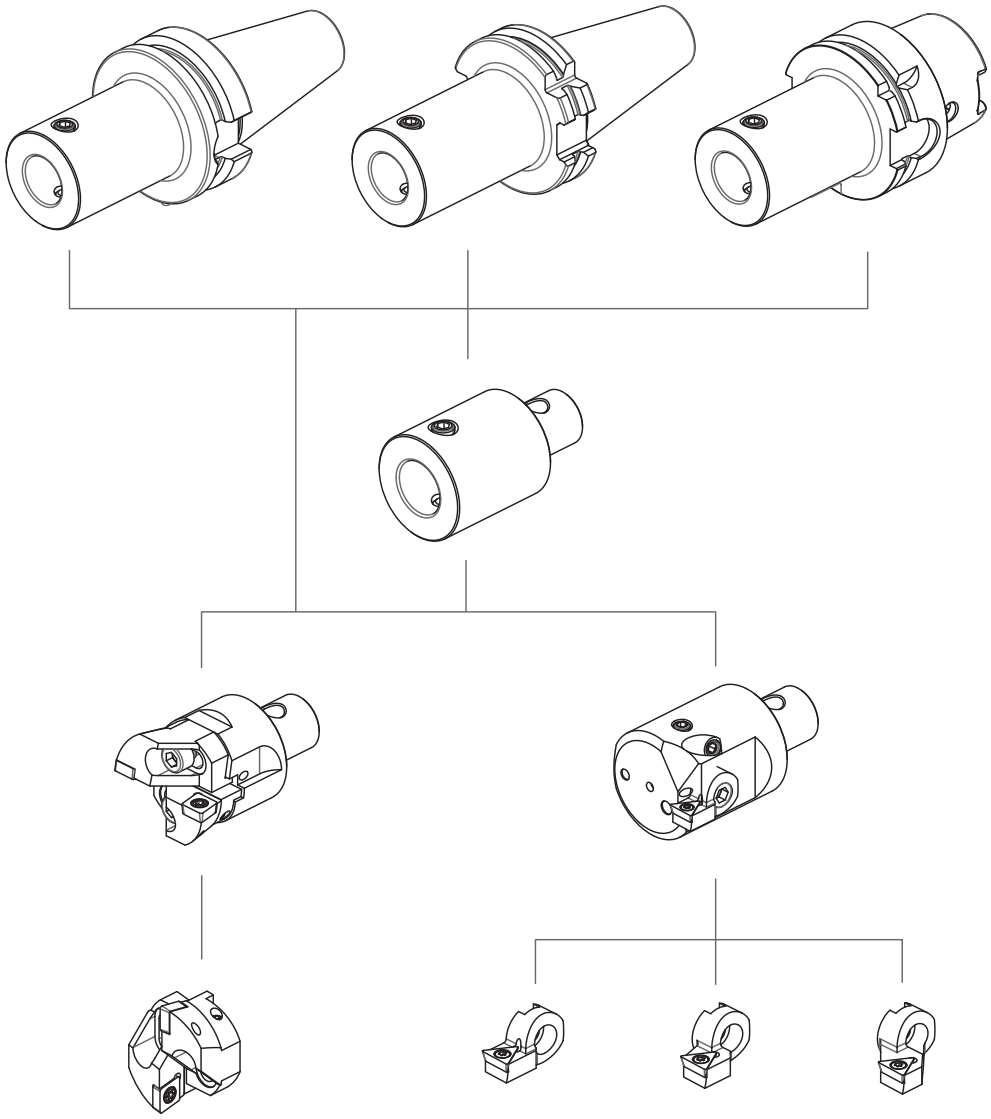
SISTEMA MODULAR DE ESCARIADO

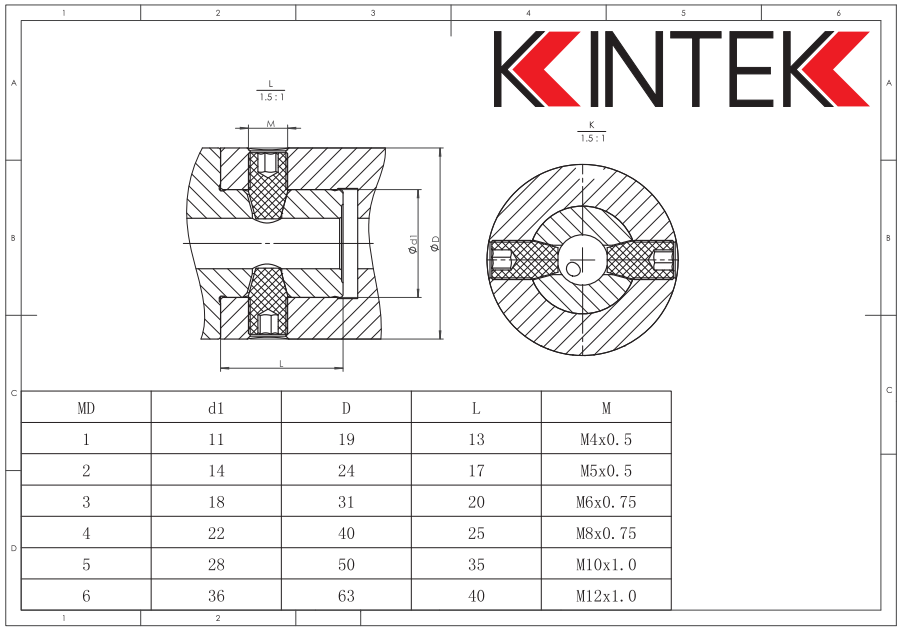
SYSTÈME MODULAIRE D'ALÉSAGE

МОДУЛЬНАЯ СИСТЕМА ДЛЯ РАСТОЧНЫХ РЕЗЦОВ

钻镗系统

BORING SYSTEM



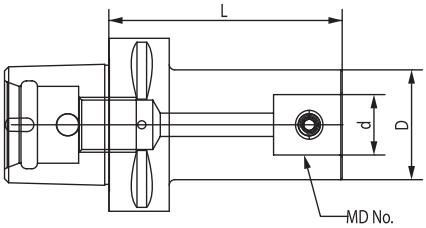


MD	d1	D	L	M
1	11	19	13	M4x0.5
2	14	24	17	M5x0.5
3	18	31	20	M6x0.75
4	22	40	25	M8x0.75
5	28	50	35	M10x1.0
6	36	63	40	M12x1.0

POLYYGONAL ARBORS FOR BORING HEADS

GRUNDAUFNAHME FÜR BOHRKÖPFE MIT POLYGONSCHAFT
PORTAS PARA CABEZALES DE MANDRINAR - MANGO POLYGONAL
ОПРАВКИ ДЛЯ ПОЛИГОНАЛЬНЫХ ГОЛОВОК
ATTACCO BASE PER TESTINE DI ALESATURA – POLIGONALE
MANDRINS POUR TÊTE D'ALESAGE AVEC ATTACHMENT POLYGONALE
多边形接口的镗头座

DIN ISO 26623-1

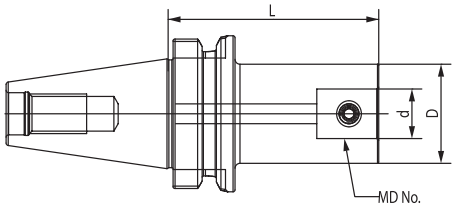


CODE N.	DESCRIPTION	POLIGONAL	MD No.	D	L	d	CONNECTION SCREW	Qt.
290-07601	C50H85MD2	50	2	24	85	14	811-402093	2
290-07602	C50H100MD2	50	2	24	100	14	811-402093	2
290-07603	C50H95MD3	50	3	31	95	18	811-402094	2
290-07604	C50H125MD3	50	3	31	125	18	811-402094	2
290-07605	C50H85MD4	50	4	40	85	22	811-402095	2
290-07606	C50H130MD4	50	4	40	130	22	811-402095	2
290-07607	C50H75MD5	50	5	50	75	28	811-402096	2
290-07608	C50H125MD5	50	5	50	125	28	811-402096	2
290-07609	C63H85MD2	63	2	24	85	14	811-402093	2
290-07610	C63H100MD2	63	2	24	100	14	811-402093	2
290-07611	C63H95MD3	63	3	31	95	18	811-402094	2
290-07612	C63H125MD3	63	3	31	125	18	811-402094	2
290-07613	C63H85MD4	63	4	40	85	22	811-402095	2
290-07614	C63H130MD4	63	4	40	130	22	811-402095	2
290-07615	C63H75MD5	63	5	50	75	28	811-402096	2
290-07616	C63H125MD5	63	5	50	125	28	811-402096	2

ARBORS FOR BORING HEADS –MAS403/BT-AD

GRUNDAUFNAHMEN FUER BOHRKÖPFE – MAS403/BT-AD
PORTAS PARA CABEZALES DE MANDRINAR – MAS403/BT-AD
ОПРАВКИ ДЛЯ РАСТОЧНЫХ ГОЛОВОК – MAS403/BT-AD
ATTACCO BASE PER TESTINE DI ALESATURA - MAS403/BT-AD
MANDRINS POUR TETES D'ALESAGE- MAS403/BT-AD
镗头接头座-符合标准 MAS403/BT-AD

JIS-B 6339 MAS 403/BT

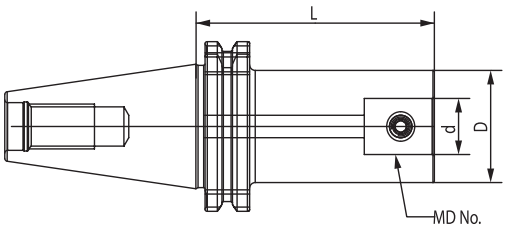


CODE N.	DESCRIPTION	BT	MD No.	D	L	d	CONNECTION SCREW	Qt.
290-01517	BT30H80MD2	30	2	24	80	14	811-402093	2
290-01518	BT30H80MD3	30	3	31	80	18	811-402094	2
290-01519	BT30H70MD4	30	4	40	70	22	811-402095	2
290-01520	BT30H60MD5	30	5	50	60	28	811-402096	2
290-01501	BT40H85MD2	40	2	24	85	14	811-402093	2
290-01502	BT40H100MD2	40	2	24	100	14	811-402093	2
290-01503	BT40H95MD3	40	3	31	95	18	811-402094	2
290-01504	BT40H125MD3	40	3	31	125	18	811-402094	2
290-01505	BT40H85MD4	40	4	40	85	22	811-402095	2
290-01506	BT40H130MD4	40	4	40	130	22	811-402095	2
290-01507	BT40H75MD5	40	5	50	75	28	811-402096	2
290-01508	BT40H125MD5	40	5	50	125	28	811-402096	2
290-01521	BT40H65MD6	40	6	64	65	36	811-402101	2
290-01522	BT40H115MD6	40	6	64	115	36	811-402101	2
290-01509	BT50H85MD2	50	2	24	85	14	811-402093	2
290-01510	BT50H110MD2	50	2	24	110	14	811-402093	2
290-01511	BT50H80MD3	50	3	31	80	18	811-402094	2
290-01512	BT50H125MD3	50	3	31	125	18	811-402094	2
290-01513	BT50H115MD4	50	4	40	115	22	811-402095	2
290-01514	BT50H145MD4	50	4	40	145	22	811-402095	2
290-01515	BT50H105MD5	50	5	50	105	28	811-402096	2
290-01516	BT50H180MD5	50	5	50	180	28	811-402096	2
290-01523	BT50H95MD6	50	6	64	95	36	811-402101	2
290-01524	BT50H170MD6	50	6	64	170	36	811-402101	2

ARBORS FOR BORING HEADS – DIN69871-AD

GRUNDAUFNAHMEN FUER BOHRKÖPFE – DIN69871-AD
PORTAS PARA CABEZALES DE MANDRINAR – DIN69871-AD
ОПРАВКИ ДЛЯ РАСТОЧНЫХ ГОЛОВОК – DIN69871-AD
ATTACCO BASE PER TESTINE DI ALESATURA - DIN69871-AD
MANDRINS POUR TETES D'ALESAGE- DIN69871-AD
镗头接头座 – 符合标准 DIN69871-AD

DIN 69871

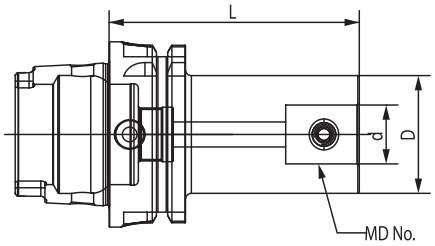


CODE N.	DESCRIPTION	TC	MD No.	D	L	d	CONNECTION SCREW	Qt.
290-01201	TC40H85MD2	40	2	24	85	14	811-402093	2
290-01202	TC40H100MD2	40	2	24	100	14	811-402093	2
290-01203	TC40H95MD3	40	3	31	95	18	811-402094	2
290-01204	TC40H125MD3	40	3	31	125	18	811-402094	2
290-01205	TC40H85MD4	40	4	40	85	22	811-402095	2
290-01206	TC40H130MD4	40	4	40	130	22	811-402095	2
290-01207	TC40H75MD5	40	5	50	75	28	811-402096	2
290-01208	TC40H125MD5	40	5	50	125	28	811-402096	2
290-01217	TC40H65MD6	40	6	64	65	36	811-402101	2
290-01218	TC40H115MD6	40	6	64	115	36	811-402101	2
290-01209	TC50H85MD2	50	2	24	85	14	811-402093	2
290-01210	TC50H110MD2	50	2	24	110	14	811-402093	2
290-01211	TC50H80MD3	50	3	31	80	18	811-402094	2
290-01212	TC50H125MD3	50	3	31	125	18	811-402094	2
290-01213	TC50H115MD4	50	4	40	115	22	811-402095	2
290-01214	TC50H145MD4	50	4	40	145	22	811-402095	2
290-01215	TC50H105MD5	50	5	50	105	28	811-402096	2
290-01216	TC50H180MD5	50	5	50	180	28	811-402096	2
290-01219	TC50H95MD6	50	6	64	95	36	811-402101	2
290-01220	TC50H170MD6	50	6	64	170	36	811-402101	2

ARBORS FOR BORING HEADS – DIN69893/4

GRUNDAUFNAHMEN FUER BOHRKÖPFE – DIN69893/A
PORTAS PARA CABEZALES DE MANDRINAR – DIN69893/A
ОПРАВКИ ДЛЯ РАСТОЧНЫХ ГОЛОВОК – DIN69893/4
ATTACCO BASE PER TESTINE DI ALESATURA - DIN69893/A
MANDRINS POUR TETES D'ALESAGE- DIN69893/A
镗头接头座 – 符合标准 DIN69893/A

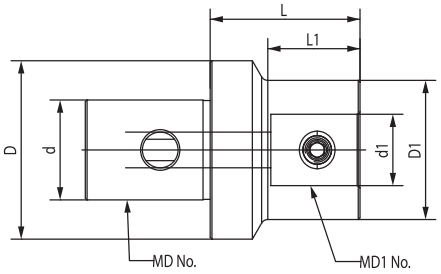
DIN 69893/A



CODE N.	DESCRIPTION	HSK	MD No.	D	L	d	CONNECTION SCREW	Qt.
290-01701	HSK63AH85MD2	63	2	24	85	14	811-402093	2
290-01702	HSK63AH100MD2	63	2	24	100	14	811-402093	2
290-01703	HSK63AH95MD3	63	3	31	95	18	811-402094	2
290-01704	HSK63AH125MD3	63	3	31	125	18	811-402094	2
290-01705	HSK63AH85MD4	63	4	40	85	22	811-402095	2
290-01706	HSK63AH130MD4	63	4	40	130	22	811-402095	2
290-01707	HSK63AH75MD5	63	5	50	75	28	811-402096	2
290-01708	HSK63AH125MD5	63	5	50	125	28	811-402096	2

REDUCTIONS FOR BORING HEADS

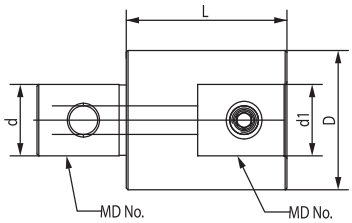
REDUKTIONEN FÜR BOHRKÖPFE | RIDUZIONI PER TESTINE DI ALESATURA
REDUCCIONES PARA PORTAS CON CABEZALES DE MANDRINAR | RÉDUCTIONS POUR TÊTES D'ALÉSAGE
ПЕРЕХОДНИКИ ДЛЯ РАСТОЧНЫХ ГОЛОВОК | 缩径杆



CODE N.	DESCRIPTION	MD No.	MD1 No.	D	D1	L	L1	d	d1	CONNECTION SCREW	Qt.
291-30003	MD3L37MD2	3	2	31	24	37	25	18	14	811-402093	2
291-30005	MD4L50MD2	4	2	40	24	50	36	22	14	811-402093	2
291-30006	MD4L50MD3	4	3	40	31	50	37	22	18	811-402094	2
291-30008	MD5L54MD2	5	2	50	24	54	35	28	14	811-402093	2
291-30009	MD5L47MD3	5	3	50	31	47	29	28	18	811-402094	2
291-30010	MD5L42MD4	5	4	50	40	42	25	28	22	811-402095	2
291-30011	MD6L63MD2	6	2	64	24	63	45	36	14	811-402101	2
291-30012	MD6L56MD3	6	3	64	31	56	39	36	18	811-402101	2
291-30013	MD6L51MD4	6	4	64	40	51	35	36	22	811-402101	2
291-30014	MD6L41MD5	6	5	64	50	41	25	36	28	811-402101	2

EXTENSIONS FOR BORING HEADS

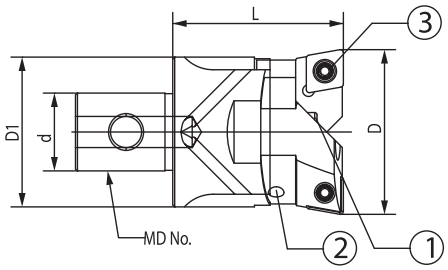
VERLÄNGERUNGEN FÜR BOHRKÖPFE | PROLUNGHE PER TESTINE DI ALESATURA
EXTENSIONES PARA PORTAS CON CABEZALES DE MANDRINAR | RALLONGES POUR TETES D'ALESAGE
УДЛИНИТЕЛИ ДЛЯ РАСТОЧНЫХ ГОЛОВОК | 扩展镗头



CODE N.	DESCRIPTION	MD No.	D	L	d	d1	CONNECTION SCREW	Qt.
291-20001	MD2L30MD2	2	24	30	14	14	811-402093	2
291-20002	MD3L30MD3	3	31	30	18	18	811-402094	2
291-20003	MD4L45MD4	4	39	45	22	22	811-402095	2
291-20004	MD5L60MD5	5	50	60	28	28	811-402096	2
291-20005	MD6L60MD6	6	64	60	36	36	811-402101	2

DOUBLE-BIT HEADS WITH CARTRIDGE

ZWEISCHNEIDERBOHRKÖPFE MIT EINBAUHALTER
CABEZAL DE DESBASTE CON DOBLE FILO DE CARTUCHOS
ДВУХРЕЗЦОВЫЕ ГОЛОВКИ С КАРТРИДЖАМИ
TESTINA DI ALESATURA BILAMA COMPLETA DI CARTUCCE
TETE A DOUBLE TRANCHANT AVEC CARTOUCHE
带刀片座的双位刀头



CODE N.	DESCRIPTION	MD No.	D	D1	L	d
523-90001	MD2-CL2533	2	25-33	23,5	35,5	14
523-90002	MD3-CL3242	3	32-42	30,5	40	18
523-90003	MD4-CL4154	4	41-54	38,5	47	22
523-90004	MD5-CL5370	5	53-70	49,5	57	28
523-90005	MD6-CL6890	6	68-90	63	71	36
523-90006	MD6-CL88110	6	88-110	63	71	36
523-90007	MD6-CL98126	6	98-126	63	71	36
523-90008	MD6-CL125153	6	125-153	63	71	36

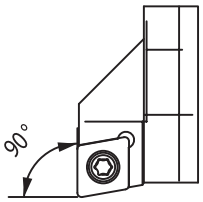
CODE N.	① LOCK SCREW	① CODE N.	② Qt.	② ADJUSTING SCREW	② CODE N.	② Qt.	① INTERNAL HEX.WRENCH	① CODE N.	② Qt.	② INTERNAL HEX.WRENCH	② CODE N.	② Qt.
523-90001	M5*20	811-401160	2	M3*6	811-402090	2	S4	816-111029	1	S1.5	816-111030	1
523-90002	M6*20	811-401161	2	M4*8	811-402091	2	S5	816-111031	1	S2	816-111032	1
523-90003	M8*25	811-401162	2	M5*8	811-402092	2	S6	816-111028	1	S2.5	816-111034	1
523-90004	M10*35	811-401167	2	M6*12	811-402082	2	S8	816-111020	1	S3	816-111021	1

③ INSERT WRENCH	③ CODE N.	③ Qt.	③ INSERT SCREW	③ CODE N.	③ Qt.	③ CODE N.	③ DESCRIPTION	③ MD N	③ MD NO	③ INSERT	③ CODE N.	③ INSERT SCREW	③ Qt.
T8	816-122010	1	m2,5x6	811-226018	2	523-90001	CRT-2533	2	2	CC..0602..	811-226018	M2.5*6	2
T15	816-122011	1	m4x10	811-256026	2	523-90002	CRT-3242	3	2	CC..09T3..	811-256026	M4*10	2
T15	816-122011	1	m4x10	811-256026	2	523-90003	CRT-4154	4	2	CC..09T3..	811-256026	M4*10	2
T20	816-122012	1	m5x12	811-256027	2	523-90004	CRT-5370	5	2	CC..1204..	811-256027	M5*12	2

* COMPLETA DI CARTUCCIA - * CARTRIDGE INCLUDED

COUPLE OF SPARE CARTRIDGES FOR TWIN CUTTER BORING HEADS

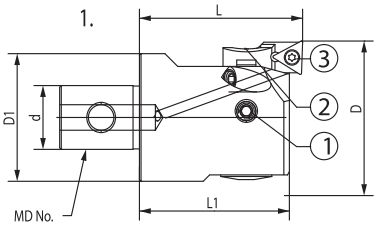
EINBAUHALTERPAAR FÜR ZWEISCHNEIDERBOHRKOPF
PAR DE CARTUCHOS DE RECAMBIO
PARA CABEZALES DE DESBASTE DOBLE FILO
СМЕННЫЕ КАРТРИДЖИ ДЛЯ ДВУХРЕЗЦОВЫХ ГОЛОВОК
COPPIA DI CARTUCCE DI RICAMBIO PER TESTINE DI ALESATURA BILAMA
COUPLE DE CARTOUCHES POUR TÊTE D'ALÉSAGE À LAME DOUBLE TRANCHANT
双位刀头的刀片座配件(一对)

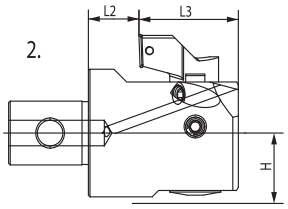


CODE N.	DESCRIPTION	MD No.	INSERT	INSERT SCREW	Qt.
524-90001	CRT-2533	2	CC..0602..	811-226018	2
524-90002	CRT-3242	3	CC..09T3..	811-256026	2
524-90003	CRT-4154	4	CC..09T3..	811-256026	2
524-90004	CRT-5370	5	CC..1204..	811-256027	2
524-90005	CRT-6890	6	CC..1204..	811-256027	2
524-90006	CRT-88110	6	CC..1204..	811-256027	2
524-90007	CRT-98126	6	CC..1204..	811-256027	2
524-90008	CRT-125153	6	CC..1204..	811-256027	2

FINISHING BORING HEADS WITH CARTRIDGE (*)

FEINBEARBEITUNGSKÖPFE MIT EINBAUHALTER (*) TESTINA DI ALESATURA PER FINITURA COMPLETA DI CARTUCCIA (*)
CABEZAL DE ACABADO CON CARTUCHO (*) TETES D'ALESAGE DE FINITION AVEC CARTOUCHE (*)
ПРЕЦИЗИОННЫЕ РАСТОЧНЫЕ ГОЛОВКИ С КАРТРИДЖАМИ (*) 带刀片座的精镗头 (*)





CODE N.	DESCRIPTION	MD No.	d	CARTRIDGE	1.				2.			
					D	D1	L	L1	D	L2	L3	H
533-90001	MD2-FNT2547	2	14	*534-90001	25-33				-			
				534-90002	32-40	24	35,5	33	36-40	11,5	21,5	12,5
				534-90003	39-47				39-47			
533-90002	MD3-FNT3260	3	18	*534-90004	32-42				-			
				534-90005	41-51	31	40	37	46-51	10	27	16
				534-90006	50-60				50-60			
533-90003	MD4-FNT4174	4	22	*534-90007	41-54				-			
				534-90008	50-63	40	47	43	53-63	12	31	20
				534-90009	61-74				61-74			
533-90004	MD5-FNT5395	5	28	*534-90010	53-70				62-70			
				534-90011	65-82	50	57	52	65-82	15	37	25,5
				534-90012	78-95				78-95			
533-90005	MD6-FNT68150	6	36	*534-90013	68-100				80-100			
				534-90014	94-126	64	71	67	94-126	23	44	32,5
				534-90015	118-150				118-150			

CODE N.	① LOCK SCREW	① CODE N.	① QT.	② LOCK SCREW FOR CARTRIDGE	② CODE N.	② QT.	①-② ADJUSTING WRENCH	①-② CODE N.	①② QT.	③ INSERT WRENCH	③ CODE N.	③ QT.	③ INSERT SCREW	③ CODE N.	③ QT.
533-90001	M4*5	811-401163	1	M3*6	811-402086	1	S2	816-111035	1	T6	816-122009	1	M2*4.5	811-286007	1
533-90002	M5*6	811-401164	1	M4*8	811-402087	1	S2.5	816-111036	1	T6	816-122009	1	M2*5	811-286008	1
533-90003	M6*10	811-401165	1	M5*10-S3	811-402088	1	S3	816-111037	1	T8	816-122010	1	M2.5*6	811-226018	1
533-90004	M8*12	811-401166	1	M5*10-S4	811-402089	1	S4	816-111038	1	T8	816-122010	1	M2.5*6	811-226018	1
533-90005	M10*16	811-401168	1	M8*12-S5	811-402097	1	S5	816-111031	1	T8	816-122010	1	M2.5*6	811-226018	1

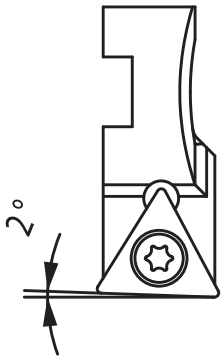
* CARTRIDGE ASSEMBLIED IN BORING HEAD
* CARTUCCIA MONTATA NELLA TESTINA
* EINBAULTER MONTIERT AUF DEM KOPF

(*) CARTUCHO MONTADO EN EL CABEZAL
* CARTOUCHE MONTÈE DANS LA TÊTE
* КАРТРИДЖИ УСТАНОВЛЕНЫ НА

РАСТОЧНУЮ ГОЛОВКУ
* 安装在刀头的刀片座

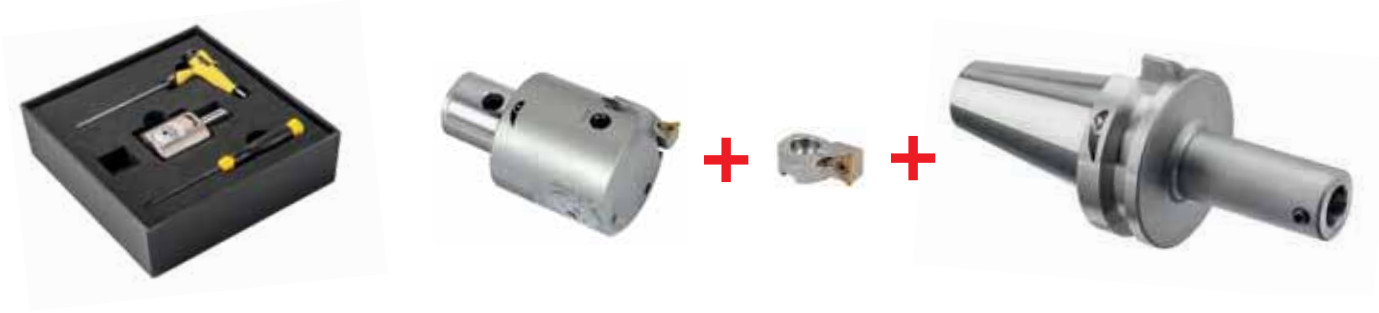
CARTRIDGES FOR FINISHING BORING HEADS

EINBAUHALTER FÜR FEINBEARBEITUNGSKÖPFE CARTUCCE PER TESTINE DI ALESATURA DI FINITURA
CARTUCHOS PARA CABEZALES DE ACABADO CARTOUCHES POUR TETES D'ALESAGE DE FINITION
КАРТРИДЖИ ДЛЯ ПРЕЦИЗИОННЫХ РАСТОЧНЫХ ГОЛОВОК 精镗头的刀片座



CODE N.	DESCRIPTION	MD No.	INSERT	INSERT SCREW	Qt.
534-90001	CRF-2533/MD2	2	TC..06T102..	811-286007	1
534-90002	CRF-3240/MD2				
534-90003	CRF-3947/MD2				
534-90004	CRF-3242/MD3	3			
534-90005	CRF-4151/MD3				
534-90006	CRF-5060/MD3				
534-90016	CRF-2735/MD2	2	CC..0602..	811-226018	1
534-90017	CRF-3240/MD2				
534-90018	CRF-3947/MD2				
534-90019	CRF-3242/MD3	3			
534-90020	CRF-4154/MD3				
534-90021	CRF-5060/MD3				
534-90007	CRF-4154/MD4	4	TC..1102..	811-226018	1
534-90008	CRF-5063/MD4				
534-90009	CRF-6174/MD4				
534-90010	CRF-5370/MD5	5			
534-90011	CRF-6582/MD5				
534-90012	CRF-7895/MD5				
534-90013	CRF-68100/MD6	6	TC..1102..	811-226018	1
534-90014	CRF-94126/MD6				
534-90015	CRF-118150/MD6				

KIT



CODE	TOOLHOLDER		HEAD		CARTRIDGE
KIT533SK40MD2	290-01201	TC40H85MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533BT40MD2	290-01501	BT40H85MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533SK40MD3	290-01203	TC40H95MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533BT40MD3	290-01503	BT40H95MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533SK40MD4	290-01205	TC40H85MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533BT40MD4	290-01505	BT40H85MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533SK40MD5	290-01207	TC40H75MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533BT40MD5	290-01507	BT40H75MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533SK40MD2L	290-01202	TC40H100MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533BT40MD2L	290-01502	BT40H100MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533SK40MD3L	290-01204	TC40H125MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533BT40MD3L	290-01504	BT40H125MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533SK40MD4L	290-01206	TC40H130MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533BT40MD4L	290-01506	BT40H130MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533SK40MD5L	290-01208	TC40H125MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533BT40MD5L	290-01508	BT40H125MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533HSKMD2	290-01701	HSK63AH85MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533HSKMD3	290-01703	HSK63AH95MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533HSKMD4	290-01705	HSK63AH85MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533HSKMD5	290-01707	HSK63AH75MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533HSKMD2L	290-01702	HSK63AH100MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533HSKMD3L	290-01704	HSK63AH125MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533HSKMD4L	290-01706	HSK63AH130MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533HSKMD5L	290-01708	HSK63AH125MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533C50MD2	290-07601	C50H85MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533C50MD3	290-07603	C50H95MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533C50MD4	290-07605	C50H85MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533C50MD5	290-07607	C50H75MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533C50MD2L	290-07602	C50H100MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533C50MD3L	290-07604	C50H125MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533C50MD4L	290-07606	C50H130MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533C50MD5L	290-07608	C50H125MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533C63MD2	290-07609	C63H85MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533C63MD3	290-07611	C63H95MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533C63MD4	290-07613	C63H85MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533C63MD5	290-07615	C63H75MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..
KIT533C63MD2L	290-07610	C63H100MD2	533-90001	FINISHING BORING HEAD MD2-FNT25-47	534-90001 25-33 TC..06T102..
KIT533C63MD3L	290-07612	C63H125MD3	533-90002	FINISHING BORING HEAD MD3-FNT32-60	534-90004 32-42 TC..06T102..
KIT533C63MD4L	290-07614	C63H130MD4	533-90003	FINISHING BORING HEAD MD4-FNT41-74	534-90007 41-54 TC..1102..
KIT533C63MD5L	290-07616	C63H125MD5	533-90004	FINISHING BORING HEAD MD5-FNT53-95	534-90010 53-70 TC..1102..

KINTEK®

INNOVATIVE TECHNOMECHANICAL COMPONENTS

KINTEK®

POLYGONAL TOOLHOLDERS DIN ISO 26623-1

MANDRINI ATTACCO POLIGONALE

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POLYGONAL TOOLHOLDERS DIN ISO 26623-1

MANDRINI ATTACCO POLIGONALE

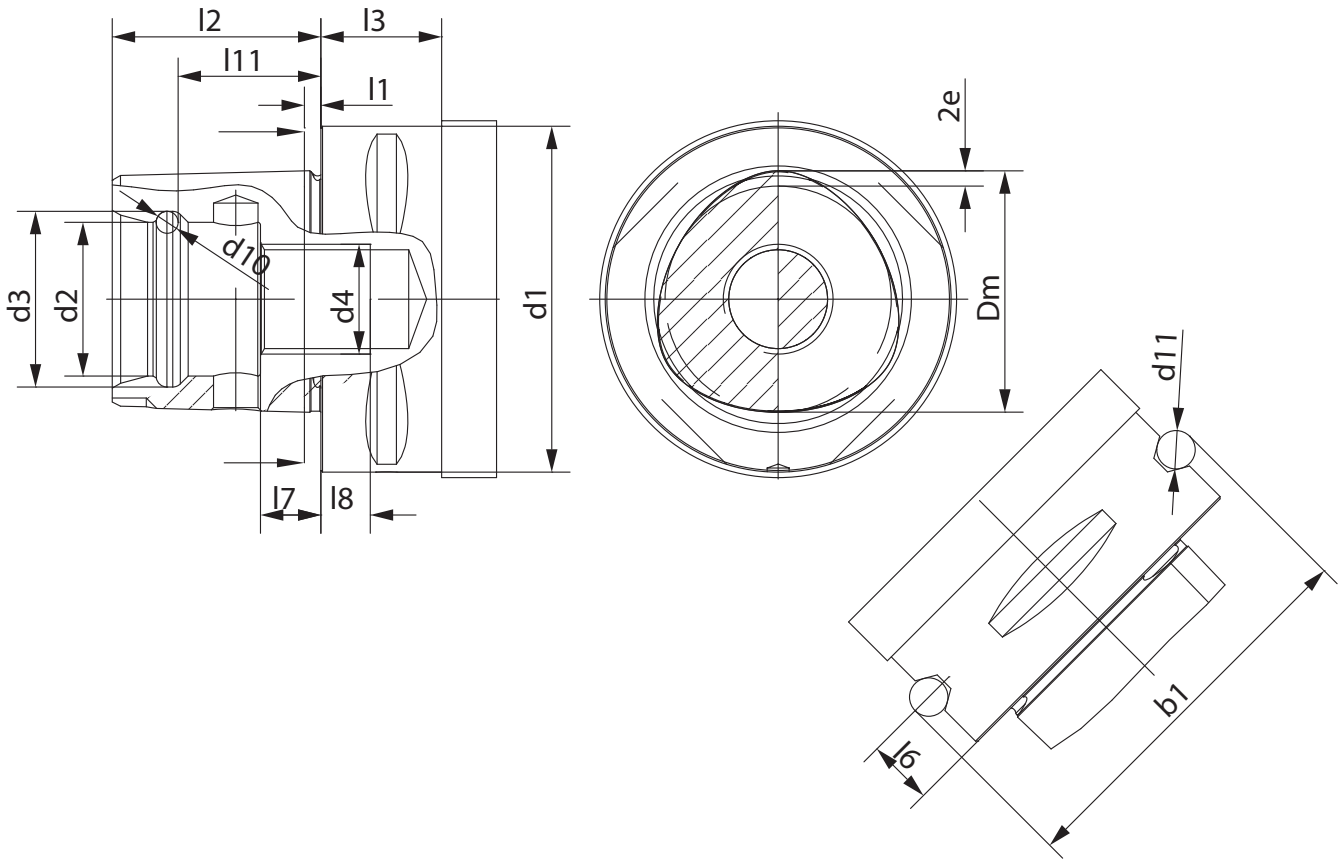
WERKZEUGHALTER DIN ISO 26623-1

PORTAHERRAMIENTAS POLIGONALES DIN ISO 26623-1

PORTE-OUTILS ATTACHEMENT POLYGONALE

ОПРАВКИ С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ

多边形刀柄 DIN ISO 26623-1

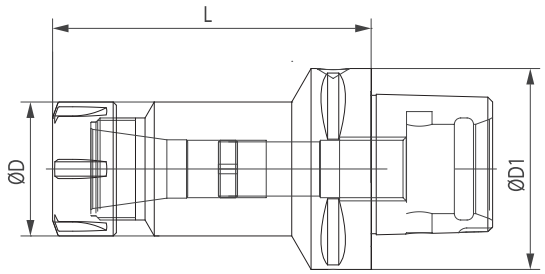


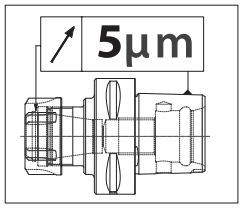
	C32	C40	C50	C63	C80	C80X	C100
b1	39	46	59,3	70,7	86	110	110
d1	32	40	50	63	80	100	100
d2	15	18	21	28	32	32	43
d3	16,5	20	24	32	38	38	50,5
d4	M12x1,5	M14x1,5	M16x1,5	M20x2	M20x2	M20x2	M24x2
d10	1,5	2	3	4	6	6	7,5
d11	5	5	7	7	7	10	10
Dm	22	28	35	44	55	55	72
e	0,7	0,9	1,12	1,4	2	2	2,8
l1	2,5	2,5	3	3	3	3	3
l2	19	24	30	38	48	48	60
l3	15	20	20	22	30	32	36
l6	6	8	10	12	12	16	16
l7	6	9	10	11	20	20	20
l8	6	6	7	9	0	0	10
l11	13,5	17,5	22	26	34	34	42,5

POLYGONAL ER COLLET CHUCK

SPANNZANGENFUTTER MIT POLYGONSCHAFT PORTAPINZE TIPO ER CON ATTACCO POLIGONALE
PORTAPINZAS ER CON SUJECION POLIGONAL PORTE-PINCES AVEC ATTACHEMENT POLYGONALE
ЦАНГОВЫЕ ПАТРОНЫ С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ 多边形 ER 筒夹

DIN ISO 26623-1





CODE N.	ATTACCO SHANK	PER PINZA FOR COLLET	D1 mm	D mm	L mm	G6,3 8000
C40H70ER16	C40	ER16	40	32	70	•
C40H52ER25	C40	ER25	40	42	52	•
C40H54ER32	C40	ER32	40	50	54	•
C50H60ER16	C50	ER16	50	32	60	•
C50H60ER20	C50	ER20	50	35	60	•
C50H60ER25	C50	ER25	50	42	60	•
C50H60ER32	C50	ER32	50	50	60	•
C50H65ER40	C50	ER40	50	63	65	•
C50H100ER16	C50	ER16	50	32	100	•
C50H100ER25	C50	ER25	50	42	100	•
C50H100ER32	C50	ER32	50	50	100	•
C63H60ER16	C63	ER16	63	32	60	•
C63H60ER20	C63	ER20	63	35	60	•
C63H60ER25	C63	ER 25	63	42	60	•
C63H60ER32	C63	ER 32	63	50	60	•
C63H70ER40	C63	ER40	63	63	70	•
C63H100ER16	C63	ER 16	63	32	100	•
C63H100ER20	C63	ER20	63	35	100	•
C63H100ER25	C63	ER 25	63	42	100	•
C63H100ER32	C63	ER 32	63	50	100	•
C63H130ER40	C63	ER 40	63	63	130	•
C80H70ER32	C80	ER32	80	50	70	•
C80H70ER40	C80	ER40	80	63	70	•

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

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Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
16	812-203005	811-303119
20	812-203006	811-303120
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122

COLLET CHUCK KITS

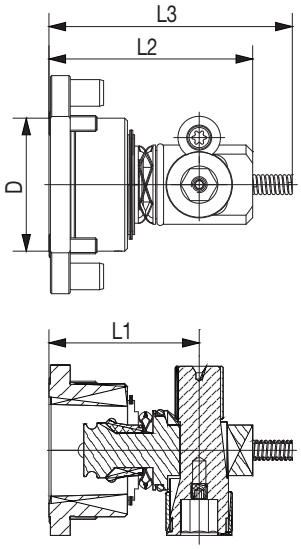
SPANNFUTTERSATZ KIT PORTAPINZE
SET DE PORTAPINZAS JEUX PORTE-PINCES
НАБОРЫ ОПРАВОК С ЦАНГАМИ 夹头变径套组套

DIN ISO 26623-1

Kit Box: 1 Collet chuck + 10 Collets + Wrench
Cassetta corredo: 1 Portapinze + 10 pinze + chiave
Ausstattungskasten: 1 Spannzangenfutter + 10 Spannzangen + Spannschlüssel
Contenido del set: 1 Cono Portapinzas + 10 Pinzas + Llave
Boite d'équipement: 1 Porte-pince + 10 pinces + Clé de serrage
Набор: из цангового патрона и цанг
套装: 1 刀柄 + 10 夹头 +1 扳手

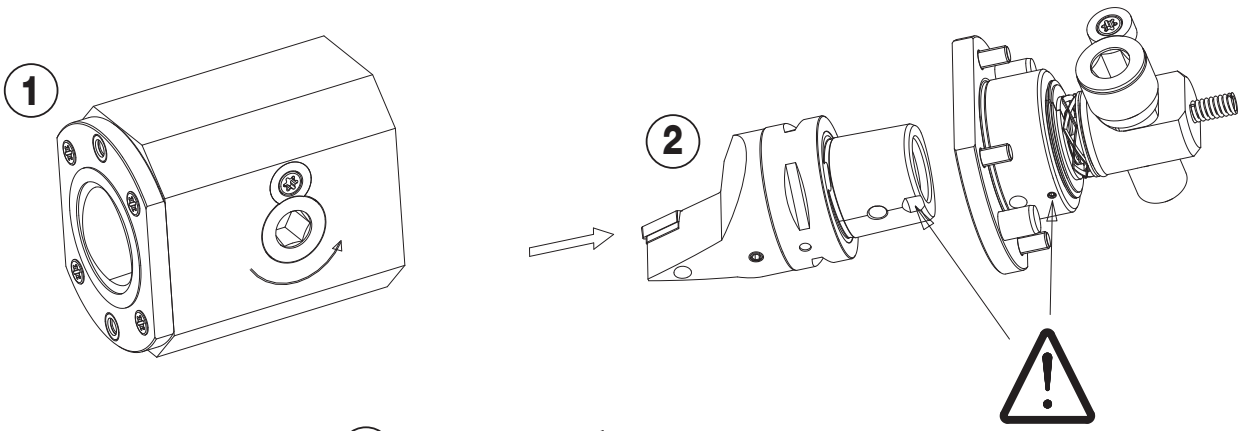
CODE N.	DESCRIPTION
KITC50H60ER16	C50H60ER16+10 collets (ER16d.1-2-3-4-5-6-7-8-9-10) + wrench
KITC50H60ER25	C50H60ER25+10 collets (ER25d.2-3-4-5-6-8-10-12-14-16) + wrench
KITC50H60ER32	C50H60ER32+10 collets (ER32d.3-4-6-8-10-12-14-16-18-20) + wrench
KITC50H100ER16	C50H100ER16+10 collets (ER16d.1-2-3-4-5-6-7-8-9-10) + wrench
KITC50H100ER25	C50H100ER25+10 collets (ER25d.2-3-4-5-6-8-10-12-14-16) + wrench
KITC50H100ER32	C50H100ER32+10 collets (ER32d.3-4-6-8-10-12-14-16-18-20) + wrench
KITC63H60ER16	C63H60ER16+10 collets (ER16d.1-2-3-4-5-6-7-8-9-10) + wrench
KITC63H60ER25	C63H60ER25+10 collets (ER25d.2-3-4-5-6-8-10-12-14-16) + wrench
KITC63H60ER32	C63H60ER32+10 collets (ER32d.3-4-6-8-10-12-14-16-18-20) + wrench
KITC63H100ER16	C63H100ER16+10 collets (ER16d.1-2-3-4-5-6-7-8-9-10) + wrench
KITC63H100ER25	C63H100ER25+10 collets (ER25d.2-3-4-5-6-8-10-12-14-16) + wrench
KITC63H100ER32	C63H100ER32+10 collets (ER32d.3-4-6-8-10-12-14-16-18-20) + wrench

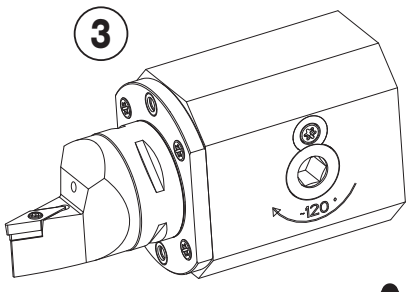
FLANGE KIT - KIT FLANGIA



CODE N.	ATTACCO SHANK	D	D1	L1	~L2	L3	A
CXC32-10	C32	32	54	40.5	55	67	38
CXC40-10	C40	40	67	48.5	65	80	48
CXC50-10	C50	50	82	56.5	75	91.5	64
CXC63-10	C63	63	105	74	93	112.5	84

INSTRUCTIONS TO CLAMP THE TOOLHOLDER TO THE MANUAL DRIVE (CAM) CLAMPING UNIT



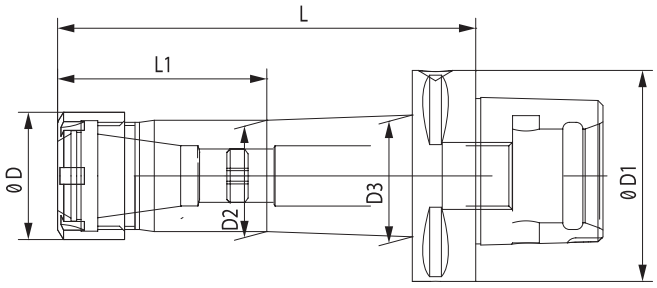


C32	35Nm
C40	50Nm
C50	70Nm
C63	90Nm

ER MINI COLLET CHUCK

SPANNZANGENFUTTER ER MINI
CONOS PORTAPINZAS TIPO ER MINI
ЦАНГОВЫЕ МИНИ-ПАТРОНЫ ER
MANDRINI PORTAPINZA TIPO ER MINI EXTRA SOTTILI
MANDRINS A PINCES TYPE ER MINI
ER 迷你弹簧夹头

DIN 6499



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

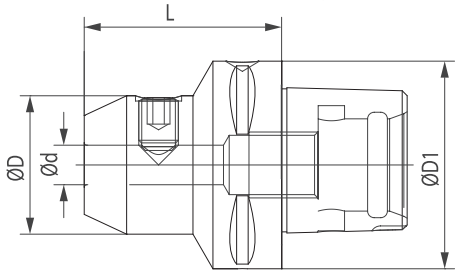
ER	NUT	STOP SCREW
	❶	❷
11M	812-203012	811-303081
16M	812-203013	811-303119
20M	812-203014	811-303120
25M	812-203015	811-303121

CODE N.	ATTACCO SHANK	ER	D1	D	L	L1	D2	D3
C50H100ER11M	C50	11M	50	16	100	40	14	20
C50H100ER16M	C50	16M	50	22	100	42	20	25
C50H100ER20M	C50	20M	50	28	100	48	26	30
C50H100ER25M	C50	25M	50	35	100	-	33	-
C63H100ER11M	C63	11M	63	16	100	40	14	20
C63H100ER16M	C63	16M	63	22	100	42	20	25
C63H100ER20M	C63	20M	63	28	100	48	26	30
C63H100ER25M	C63	25M	63	35	100	-	33	-
C63H160ER11M	C63	11M	63	16	160	50	14	23
C63H160ER16M	C63	16M	63	22	160	97	20	26
C63H160ER20M	C63	20M	63	28	160	98	26	31
C63H160ER25M	C63	25M	63	35	160	103	33	35

POLYGONAL END MILL HOLDER WELDON

WELDON SPANNFUTTER MIT POLYGONSCHAFT
CONOS WELDON CON SUJECION POLIGONAL
ПАТРОНЫ EPS ДЛЯ КОНЦЕВЫХ ФРЕЗ С ХВОСТОВИКОМ WELDON
PORTAFRESE WELDON CON ATTACCO POLIGONALE
PORTE-FRAISES WELDON AVEC ATTACHEMENT POLYGONALE
多边形威尔登式铣刀柄

DIN ISO 26623-1



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

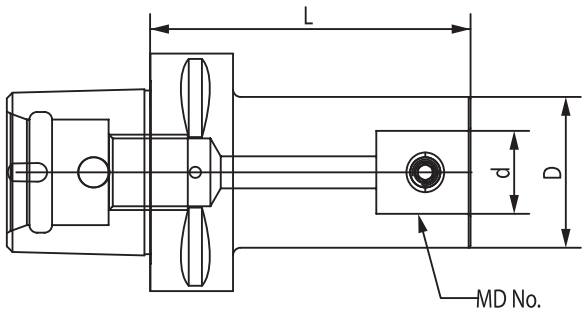
d	LOCKING SCREW	QUANTITY
	❶	
6	811-106001	1
8	811-106002	1
10	811-106004	1
12;14	811-106005	1
16;18	811-106006	1
20	811-106007	1
25	811-106008	2
32;40	811-106009	2

CODE N.	ATTACCO SHANK	D1 mm	D mm	d mm	L mm	G6,3 8000
C40H50WE06	C40	40	25	6	50	●
C40H50WE08	C40	40	28	8	50	●
C40H50WE10	C40	40	35	10	50	●
C40H55WE12	C40	40	42	12	55	●
C40H55WE16	C40	40	48	16	55	●
C50H55WE06	C50	50	25	6	55	●
C50H55WE08	C50	50	28	8	55	●
C50H65WE10	C50	50	35	10	65	●
C50H65WE12	C50	50	42	12	65	●
C50H65WE14	C50	50	42	14	65	●
C50H65WE16	C50	50	48	16	65	●
C50H65WE18	C50	50	48	18	65	●
C50H65WE20	C50	50	52	20	65	●
C50H80WE25	C50	50	65	25	80	●
C63H55WE06	C63	63	25	6	55	●
C63H55WE08	C63	63	28	8	55	●
C63H60WE10	C63	63	35	10	60	●
C63H60WE12	C63	63	42	12	60	●
C63H60WE14	C63	63	44	14	60	●
C63H65WE16	C63	63	48	16	65	●
C63H65WE20	C63	63	52	20	65	●
C63H80WE25	C63	63	64	25	80	●
C63H90WE32	C63	63	72	32	90	●
C80H70WE20	C80	80	50	20	70	●
C80H80WE25	C80	80	52	25	80	●
C80H80WE32	C80	80	72	32	80	●
C80H110WE40	C80	80	80	40	110	●

POLYYGONAL ARBORS FOR BORING HEADS

GRUNDAUFNAHME FÜR BOHRKÖPFE MIT POLYGONSCHAFT
ATTACCO BASE PER TESTINE DI ALESATURA – POLIGONALE
CONOS PARA CABEZALES DE MANDRINAR - SUJECION POLIGONAL
MANDRINS POUR TÊTE D'ALESAGE AVEC ATTACHMENT POLYGONALE
ОПРАВКИ ДЛЯ ПОЛИГОНАЛЬНЫХ ГОЛОВОК
多边形接口的镗头座

DIN ISO 26623-1



CODE N.	DESCRIPTION	POLIGONAL	MD No.	D	L	d	CONNECTION SCREW	Qt.
290-07601	C50H85MD2	50	2	24	85	14	811-402093	2
290-07602	C50H100MD2	50	2	24	100	14	811-402093	2
290-07603	C50H95MD3	50	3	31	95	18	811-402094	2
290-07604	C50H125MD3	50	3	31	125	18	811-402094	2
290-07605	C50H85MD4	50	4	40	85	22	811-402095	2
290-07606	C50H130MD4	50	4	40	130	22	811-402095	2
290-07607	C50H75MD5	50	5	50	75	28	811-402096	2
290-07608	C50H125MD5	50	5	50	125	28	811-402096	2
290-07609	C63H85MD2	63	2	24	85	14	811-402093	2
290-07610	C63H100MD2	63	2	24	100	14	811-402093	2
290-07611	C63H95MD3	63	3	31	95	18	811-402094	2
290-07612	C63H125MD3	63	3	31	125	18	811-402094	2
290-07613	C63H85MD4	63	4	40	85	22	811-402095	2
290-07614	C63H130MD4	63	4	40	130	22	811-402095	2
290-07615	C63H75MD5	63	5	50	75	28	811-402096	2
290-07616	C63H125MD5	63	5	50	125	28	811-402096	2

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

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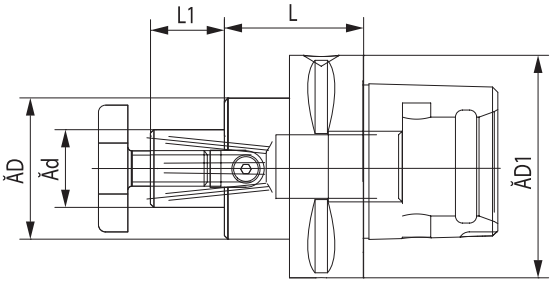
POLYGONAL FACE MILL HOLDER

AUFSTECKFRÄSDORNE MIT POLYGONSCHAFT
CONO PORTAFRESAS CON SUJECION POLIGONAL
ПАТРОНЫ С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ ДЛЯ НАСАДНЫХ ФРЕЗ
PORTAFRESE A TRASCINAMENTO FISSO CON ATTACCO POLIGONALE
PORTE-FRAISES AVEC ATTACHEMENT POLYGONALE
多边形端面铣刀柄

DIN ISO 26623-1



CODE N.	ATTACCO SHANK	D1 mm	D mm	d mm	L mm	L1 mm	G6,3 8000
C40H32D16	C40	40	32	16	32	17	•
C40H25D22	C40	40	40	22	25	19	•
C50H60D22	C50	50	48	22	60	19	•
C50H60D27	C50	50	58	27	60	21	•
C63H40D16	C63	63	32	16	40	17	•
C63H63D16	C63	63	38	16	63	17	•
C63H25D22	C63	63	55	22	25	19	•
C63H100D22	C63	63	48	22	100	19	•
C63H25D27	C63	63	63	27	25	21	•
C63H100D27	C63	63	58	27	100	21	•
C63H25D32	C63	63	63	32	25	24	•
C63H100D32	C63	63	63	32	100	24	•
C63H100D40	C63	63	70	40	100	27	•
C80H30D27	C80	80	65	27	30	21	•
C80H30D32	C80	80	79	32	30	24	•
C80H30D40	C80	80	80	40	30	27	•

d	CROSS SCREW ❶	CROSS SCREW ON ENQUIRY ❶	DOG A ❷	SCREW A ❸	DOG B ❷	SCREW B ❸
16	811-107003	811-107013	814-202280	811-101004	814-20214	811-101002
22	811-107004	811-107014	814-202250	811-101011	814-20215	811-101010
27	811-107005	811-107015	814-202270	811-101018	814-20216	811-101017
32	811-107006	811-107016	814-202630	811-101029	814-20217	811-101027
40	811-107007	811-107017	814-202710	811-101029	814-20218	811-101028

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

POLYGONAL MILLING CHUCK

KRAFTSPANNFUTTER MIT POLYGONSCHAFT
CONOS PORTAPINZAS DE GRAN APRIETE
CON SUJECION POLIGONAL
СИЛОВЫЕ ПАТРОНЫ
MANDRINI FORTE SERRAGGIO CON ATTACCO POLIGONALE
MANDRINS A FORT SERRAGE AVEC ATTACHEMENT POLYGONALE
多边形强力铣夹头

DIN ISO 26623-1

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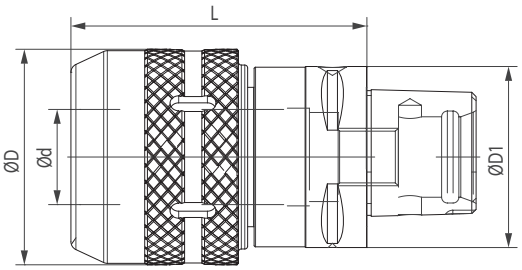
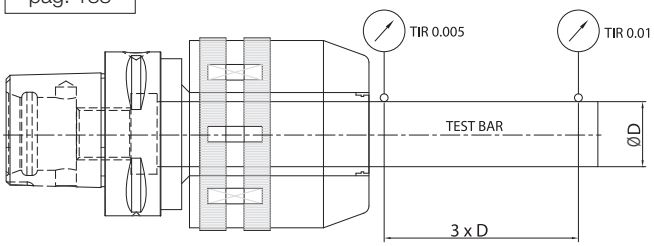
Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件





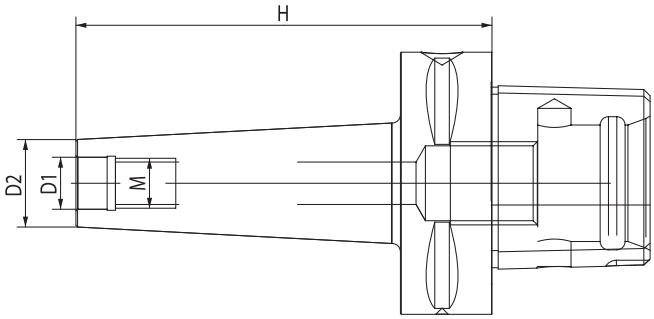
CODE N.	SHANK	D1	D	d	L	G6,3 8000
C50H75C20	C50	50	54	20	7	•
C63H80C20	C63	63	54	20	80	•
C63H100C32	C63	63	72	32	100	•

SUPPLIED WITH WRENCH • FORNITI CON CHIAVE INCLUSAA • INKLUSIVE SPANNSCHLÜSSEL CLÉ INCLUSE
• SE SUMINISTRA CON LLAVE • ПОСТАВЛЯЕТСЯ С КЛЮЧОМ • 供货时提供扳手

MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTERS

SPANFUTTER FÜR EINSCHRAUBFRÄSER
PORTAFRESAS CON EXTREMO ROSCADO
ОПРАВКИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК
MANDRINI PER FRESE CON ATTACCO FILETTATO
MANDRINS POUR FRAISER A VISSER
螺纹连接型铣刀的铣刀杆

DIN ISO 26623-1



CODE N.	ATTACCO SHANK	M	D1	D2	H
C63H90M10	C63	M10	10.5	18	90
C63H100M12	C63	M12	12.5	21	100
C63H100M16	C63	M16	17	29	100

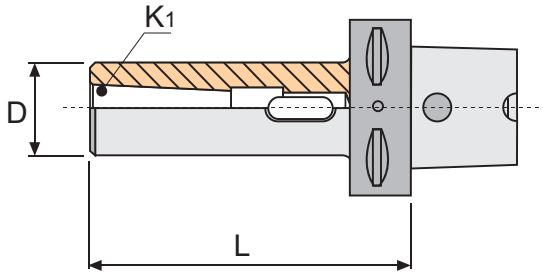
02

KINTEK

POLYGONAL MORSE TAPER ADAPTORS FOR DRILLS

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN ODER ANZUGSGEWINDE
PORTABROCAS CONO MORSE CON SUJECION POLIGONAL
ОПРАВКИ ДЛЯ КОНУСОВ МОРЗЕ С ЛАПКОЙ И С РЕЗЬБОЙ
MANDRINI PORTAPUNTE ATTACCO CONO MORSE CON ATTACCO POLIGONALE
DOUILLES POUR CONE MORSE A TENON ET AVEC TARAUDAGE
莫氏锥度钻接头

DIN ISO 26623-1

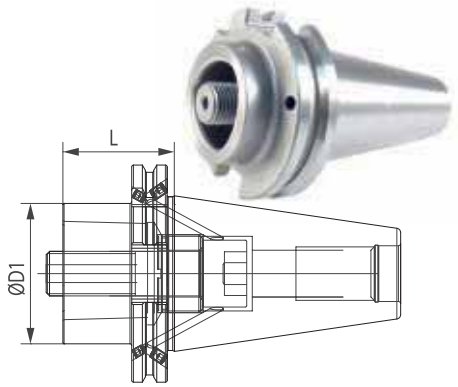


CODE N.	ATTACCO SHANK	D1 mm	A mm	L mm	G6,3 8000
C50H110CM2P	C50	32	MK2	110	•
C50H130CM3P	C50	40	MK3	130	•
C63H110CM2P	C63	32	MK2	110	•
C63H130CM3P	C63	40	MK3	130	•
C63H150CM4P	C63	52	MK4	150	•

REDUCTION ISO 40/50 DIN69871-AD/B – POLYGONAL SHANK

REDUKTION SK 40/50 DIN69871 MIT POLYGONSCHAFT
RIDUZIONE ISO 40/50 DIN 69871-AD/B PER ATTACCO POLIGONALE
ADAPTADORES DE DOBLE CONTACTO ISO 40/50 DIN 69871-AD/B CON SALIDA A SUJECION POLIGONAL
REDUCTION ISO 40/50 DIN69871 AVEC ATTACHEMENT POLYGONALE
ПЕРЕХОДНИКИ С ISO 40/50 DIN69871-AD/B НА EPS
DIN69871-AD/B多边形缩减柄

DIN ISO 26623-1 - DIN 69871 - DOUBLE CONTACT

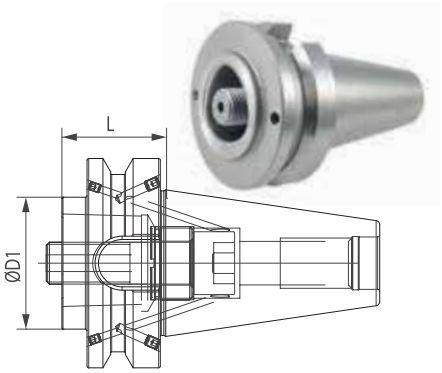


CODE N.	ATTACCO SHANK	D1 mm	L mm	SCREW COMP 2020-01	NUT COMP 2020-02	WRENCH COMP 2020-03
TC40H30C32DK	40DIN69871 AD/B	32	30	811-401173	811-302213	816-20214
TC40H40C40DK	40DIN69871 AD/B	40	40	811-401174	811-302214	816-20215
TC40H50C50DK	40DIN69871 AD/B	50	50	811-401176	811-302216	816-20216
TC40H85C63DK	40DIN69871 AD/B	63	85	811-401180	811-302220	816-20217
TC50H60C32DK	50DIN69871 AD/B	32	60	811-401173	811-302213	816-20214
TC50H30C40DK	50DIN69871 AD/B	40	30	811-401174	811-302214	816-20215
TC50H60C40DK	50DIN69871 AD/B	40	60	811-401174	811-302214	816-20215
TC50H30C50DK	50DIN69871 AD/B	50	30	811-401176	811-302216	816-20216
TC50H70C50DK	50DIN69871 AD/B	50	70	811-401176	811-302216	816-20216
TC50H50C63DK	50DIN69871 AD/B	63	50	811-401178	811-302218	816-20217
TC50H100C63DK	50DIN69871 AD/B	63	100	811-401178	811-302218	816-20217
TC50H70C80DK	50DIN69871 AD/B	80	70	811-401178	811-302218	816-20217
TC50H120C80DK	50DIN69871 AD/B	80	120	811-401178	811-302218	816-20217

REDUCTION BT40/50-AD/B – POLYGONAL SHANK

REDUKTION BT40/50-AD/B MIT POLYGONSCHAFT
RIDUZIONE BT40/50-AD/B CON ATTACCO POLIGONALE
ADAPTADORES DE DOBLE CONTACTO BT 40/50-AD/B CON SALIDA A SUJECION POLIGONAL
REDUCTION BT40/50-AD/B AVEC ATTACHEMENT POLYGONALE
ПЕРЕХОДНИКИ С BT40/50-AD/B НА DIN
BT40/50-AD/B 多边形缩减柄

DIN ISO 26623-1 - JIS-B 6339 MAS 403/BT - DOUBLE CONTACT

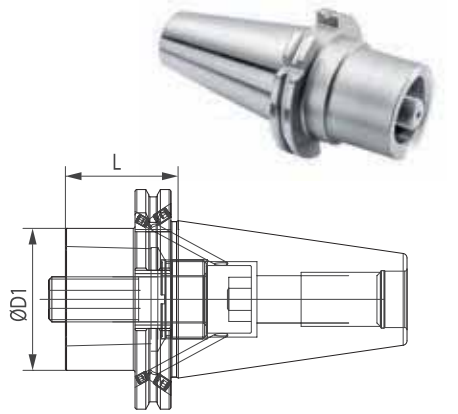


CODE N.	ATTACCO SHANK	D1 mm	L mm	SCREW COMP 2020-01	NUT COMP 2020-02	WRENCH COMP 2020-03
BT40H30C32DK	40MAS403/BT AD/B	32	30	811-401173	811-302213	816-20214
BT40H40C40DK	40MAS403/BT AD/B	40	40	811-401174	811-302214	816-20215
BT40H50C50DK	40MAS403/BT AD/B	50	50	811-401176	811-302216	816-20216
BT40H75C63DK	40MAS403/BT AD/B	63	75	811-401180	811-302220	816-20217
BT50H70C32DK	50MAS403/BT AD/B	32	70	811-401173	811-302213	816-20214
BT50H40C40DK	50MAS403/BT AD/B	40	40	811-401174	811-302214	816-20215
BT50H70C40DK	50MAS403/BT AD/B	40	70	811-401174	811-302214	816-20215
BT50H40C50DK	50MAS403/BT AD/B	50	40	811-401176	811-302216	816-20216
BT50H80C50DK	50MAS403/BT AD/B	50	80	811-401176	811-302216	816-20216
BT50H50C63DK	50MAS403/BT AD/B	63	50	811-401178	811-302218	816-20217
BT50H100C63DK	50MAS403/BT AD/B	63	100	811-401178	811-302218	816-20217
BT50H70C80DK	50MAS403/BT AD/B	80	70	811-401178	811-302218	816-20217
BT50H120C80DK	50MAS403/BT AD/B	80	120	811-401178	811-302218	816-20217

REDUCTION ISO 40/50 DIN69871-AD/B – POLYGONAL SHANK

REDUKTION SK 40/50 DIN69871 MIT POLYGONSCHAFT
RIDUZIONE ISO 40/50 DIN 69871-AD/B PER ATTACCO POLIGONALE
ADAPTADOR ISO 40/50 DIN 69871-AD/B CON SALIDA A SUJECION POLIGONAL
REDUCTION ISO 40/50 DIN69871 AVEC ATTACHEMENT POLYGONALE
ПЕРЕХОДНИКИ С ISO 40/50 DIN69871-AD/B НА EPS
DIN69871-AD/B 多边形缩减柄

DIN ISO 26623-1 - DIN 69871

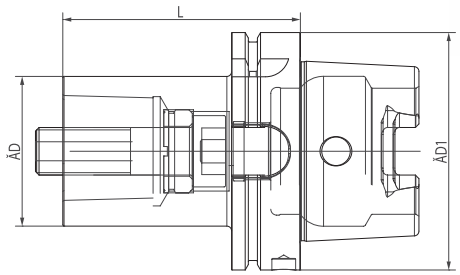


CODE N.	ATTACCO SHANK	D1 mm	L mm	SCREW COMP 2020-01	NUT COMP 2020-02	WRENCH COMP 2020-03
TC40H30C32ADB	40DIN69871 AD/B	32	30	811-401173	811-302213	816-20214
TC40H30C40ADB	40DIN69871 AD/B	40	30	811-401174	811-302214	816-20215
TC40H60C40ADB	40DIN69871 AD/B	40	60	811-401174	811-302214	816-20215
TC40H40C50ADB	40DIN69871 AD/B	50	40	811-401176	811-302216	816-20216
TC40H85C63ADB	40DIN69871 AD/B	63	85	811-401180	811-302220	816-20217
TC50H30C32ADB	50DIN69871 AD/B	32	30	811-401173	811-302213	816-20214
TC50H60C32ADB	50DIN69871 AD/B	32	60	811-401173	811-302213	816-20214
TC50H30C40ADB	50DIN69871 AD/B	40	30	811-401174	811-302214	816-20215
TC50H60C40ADB	50DIN69871 AD/B	40	60	811-401174	811-302214	816-20215
TC50H30C50ADB	50DIN69871 AD/B	50	30	811-401176	811-302216	816-20216
TC50H70C50ADB	50DIN69871 AD/B	50	70	811-401176	811-302216	816-20216
TC50H110C50ADB	50DIN69871 AD/B	50	110	811-401176	811-302216	816-20216
TC50H30C63ADB	50DIN69871 AD/B	63	30	811-401178	811-302218	816-20217
TC50H50C63ADB	50DIN69871 AD/B	63	50	811-401178	811-302218	816-20217
TC50H80C63ADB	50DIN69871 AD/B	63	80	811-401178	811-302218	816-20217
TC50H70C80ADB	50DIN69871 AD/B	80	70	811-401178	811-302218	816-20217
TC50H120C80ADB	50DIN69871 AD/B	80	120	811-401178	811-302218	816-20217

REDUCTION HSK POLYGONAL SHANK

REDUKTION HSK MIT POLYGONSCHAFT | RIDUZIONE HSK PER ATTACCO POLIGONALE
ADAPTADOR HSK CON SALIDA A SUJECION POLIGONAL | REDUCTION HSK AVEC ATTACHEMENT POLYGONALE
ПЕРЕХОДНИКИ HSK НА EPS | HSK 多边形缩减柄

DIN ISO 26623-1 - DIN 69893/A

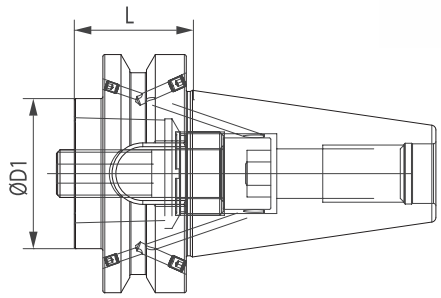


CODE N.	ATTACCO SHANK	D mm	D1 mm	L mm
HSK63AH80C40	DIN69893 HSK63	40	63	80
HSK63AH90C50	DIN69893 HSK63	50	63	90
HSK63AH110C63	DIN69893 HSK63	63	63	110
HSK100AH90C40	DIN69893 HSK100	40	100	90
HSK100AH100C50	DIN69893 HSK100	50	100	100
HSK100AH90C63	DIN69893 HSK100	63	100	90
HSK100AH150C63	DIN69893 HSK100	63	100	150
HSK100AH120C80	DIN69893 HSK100	80	100	120

REDUCTION BT40/50-AD/B – POLYGONAL SHANK

REDUKTION BT40/50-AD/B MIT POLYGONSCHAFT | RIDUZIONE BT40/50-AD/B CON ATTACCO POLIGONALE
ADAPTADOR BT40/50-AD/B CON SALIDA A SUJECION POLIGONAL | REDUCTION BT40/50-AD/B AVEC ATTACHEMENT POLYGONALE
ПЕРЕХОДНИКИ С BT40/50-AD/B НА DIN | BT40/50-AD/B多边形缩减柄

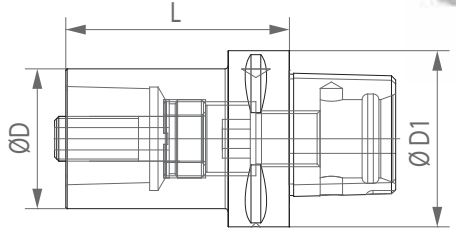
DIN ISO 26623-1 - JIS-B 6339 MAS 403/BT



CODE N.	ATTACCO SHANK	D1 mm	L mm
BT40H30C32ADB	40MAS403BT AD/B	32	30
BT40H30C40ADB	40MAS403BT AD/B	40	30
BT40H50C50ADB	40MAS403BT AD/B	50	50
BT40H90C50ADB	40MAS403BT AD/B	50	90
BT40H75C63ADB	40MAS403BT AD/B	63	75
BT50H40C32ADB	50MAS403BT AD/B	32	40
BT50H40C40ADB	50MAS403BT AD/B	40	40
BT50H70C40ADB	50MAS403BT AD/B	40	70
BT50H40C50ADB	50MAS403BT AD/B	50	40
BT50H80C50ADB	50MAS403BT AD/B	50	80
BT50H50C63ADB	50MAS403BT AD/B	63	50
BT50H90C63ADB	50MAS403BT AD/B	63	90
BT50H70C80ADB	50MAS403BT AD/B	80	70
BT50H120C80ADB	50MAS403BT AD/B	80	120

POLYGONAL REDUCTION

POLYGONSCHAFT-REDUKTION | RIDUZIONE CON ATTACCO POLIGONALE
ADAPTADOR POLIGONAL CON SALIDA A SUJECION POLIGONAL | REDUCTION AVEC ATTACHEMENT POLYGONALE
ПЕРЕХОДНИКИ | 缩小 多边形柄

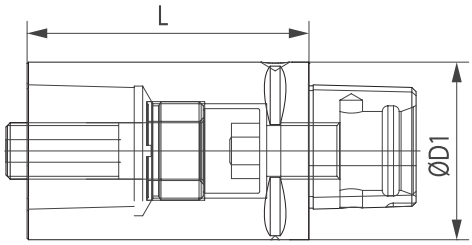


CODE N.	ATTACCO SHANK	D1	D	L
C40H55C32	C40	40	32	55
C50H65C40	C50	50	40	65
C50H85C40	C50	50	40	85
C63H80C40	C63	63	40	80
C63H80C50	C63	63	50	80
C80H120C50	C80	80	50	120
C80H80C63	C80	80	63	80

POLYGONAL EXTENSION

POLYGONSCHAFT-VERLÄNGERUNG PROLUNGA CON ATTACCO POLIGONALE
EXTENSION PARA SISTEMA POLIGONAL RALLONGES AVEC ATTACHEMENT POLYGONALE
УДЛИНИТЕЛИ С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ 多边形延长杆

DIN ISO 26623-1

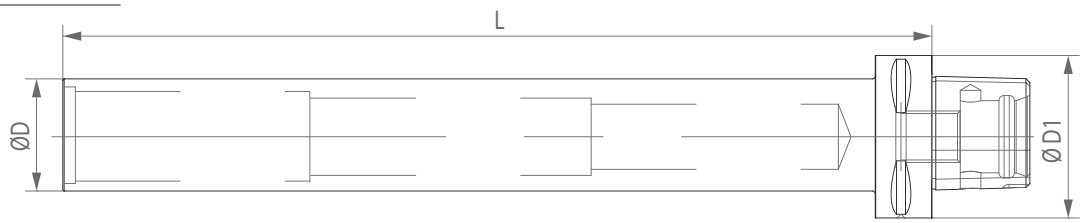


CODE N.	ATTACCO SHANK	D1 mm	L mm
C32H60C32	C32	32	60
C40H40C40	C40	40	40
C40H60C40	C40	40	60
C40H80C40	C40	40	80
C50H50C50	C50	50	50
C50H80C50	C50	50	80
C50H100C50	C50	50	100
C63H60C63	C63	63	60
C63H100C63	C63	63	100
C63H140C63	C63	63	140
C80H65C80	C80	80	65
C80H100C80	C80	80	100
C80H125C80	C80	80	125

CONTROL PINS

PRÜFDORNE BARRE DI CONTROLLO
BARRA DE CONTROL BARRES DE CONTROLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

DIN ISO 26623-1



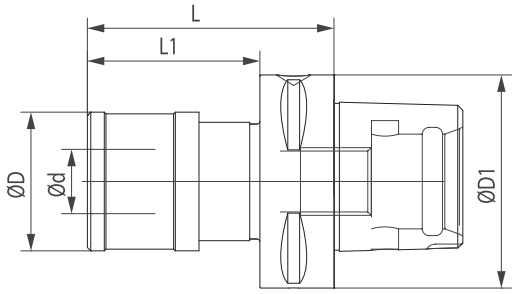
CODE N.	ATTACCO SHANK	D1	D	L
C40H18OD25BC	C40	40	25	180
C40H300D35BC	C40	40	35	300
C50H300D40BC	C50	50	40	300
C63H160D35BC	C63	63	35	160
C63H180D40BC	C63	63	40	180
C63H346D40BC	C63	63	40	346
C80H175D38BC	C80	80	38	175
C80H346D40BC	C80	80	40	346

POLYGONAL TAPPING HEAD

GEWINDESCHNEIDFUTTER MIT POLYGONSCHAFT
ROSCADOR DE CAMBIO RAPIDO CON SUJECION POLIGONAL
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ DIN ДЛЯ МЕТЧИКОВ
MASCHIATORE A CAMBIO RAPIDO CON ATTACCO POLIGONALE
MANDRIN DE TARAUDAGE AVEC ATTACHEMENT POLYGONALE
多边形快换攻丝头

DIN ISO 26623-1

CODE N.	ATTACCO SHANK	D1 mm	D mm	d mm	L mm	L1 mm	TOP RANGE
C40GR1	C40	40	41	19	68	48	M3-M12
C40GR2	C40	40	60	31	91,5	68	M6-M20
C63GR1	C63	63	41	19	73	51	M3-M12
C63GR2	C63	63	60	31	97	75	M6-M20
C80GR1	C80	80	41	19	75	45	M3-M12
C80GR2	C80	80	60	31	93,5	63,5	M6-M20
C80GR3	C80	80	86	48	137	107	M14-M33



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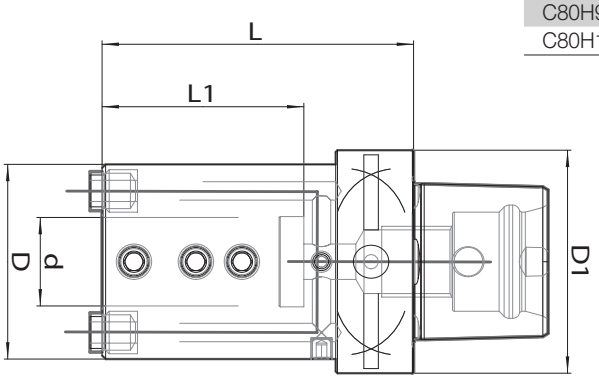
AXIAL BORING BAR HOLDER

AXIAL BOHRSTANGENHALTER
PORTAHERRAMIENTAS PARA BARRAS, AXIALES
ДЕРЖАТЕЛИ ОСЕВЫЕ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ
PORTAUTENSILE PER BARENI, ASSIALE
PORTE-OUTIL POUR BARRES D'ALESAGE AXIAL
轴向镗杆刀柄

DIN ISO 26623-1

CODE N.	ATTACCO SHANK	D	D1	d	L	L1	COOLANT NOOSE
C40H60D08E2	C40	32	40	8	60	37	PWZ1008D8X06
C40H65D10E2	C40	36	40	10	65	40	PWZ1008D8X06
C40H65D12E2	C40	36	40	12	65	40	PWZ1008D8X06
C40H70D16E2	C40	40	40	16	70	42	PWZ1008D8X06
C40H70D20E2	C40	45	40	20	70	42	PWZ1008D8X06
C50H70D08E2	C50	32	50	8	70	37	PWZ1008D10X7
C50H70D10E2	C50	30	50	10	70	40	PWZ1008D10X7
C50H70D12E2	C50	40	50	12	70	40	PWZ1008D10X7
C50H80D16E2	C50	45	50	16	80	50	PWZ1008D10X7
C50H80D20E2	C50	50	50	20	80	50	PWZ1008D10X7
C50H80D25E2	C50	55	50	25	80	50	PWZ1008D10X7
C63H80D10E2	C63	36	63	10	80	45	PWZ1008D10X7
C63H80D12E2	C63	40	63	12	80	45	PWZ1008D10X7
C63H80D16E2	C63	45	63	16	80	50	PWZ1008D10X7
C63H80D20E2	C63	50	63	20	80	50	PWZ1008D10X7
C63H80D25E2	C63	55	63	25	88	57	PWZ1008D10X7
C63H95D32E2	C63	72	63	32	95	59	PWZ1008D12X8
C63H105D40E2	C63	80	63	40	105	72	PWZ1008D12X8
C80H85D20E2	C80	50	80	20	85	48	PWZ1008D10X7
C80H85D25E2	C80	55	80	25	85	48	PWZ1008D10X7
C80H95D32E2	C80	72	80	32	95	58	PWZ1008D12X8
C80H110D40E2	C80	80	80	40	110	73	PWZ1008D12X8



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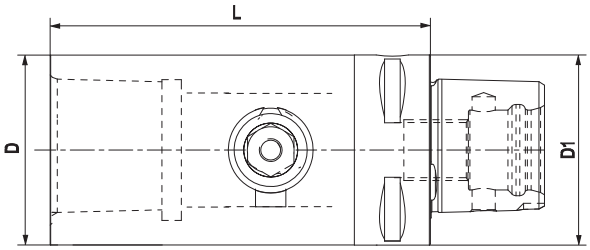
EXTENSION ADAPTOR WITH QUICK CHANGE POLYGONAL SHANK ACCORDING

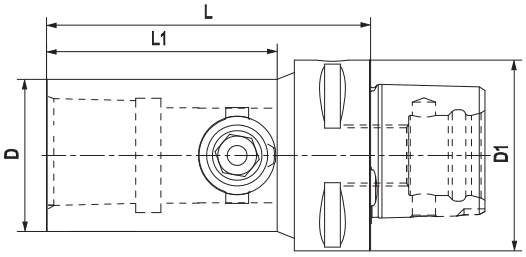
VERLÄNGERUNG MIT SCHNELLWECHSEL POLYGONSCHAFT AUFNAHME
ADAPTADOR DE EXTENSIÓN CON CAMBIO RÁPIDO
БЫСТРОСМЕННЫЙ УДЛИНИТЕЛЬ С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ
ADATTATORE DI ESTENSIONE CON CAMBIO RAPIDO
ADAPTATEUR D'ALLONGE À CHANGEMENT RAPIDE ATTACHEMENT POLYGONAL
带快换式多边形柄的延长转换器



CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	MAX: Rpm
C40H85C40-CR	C40	C40	40	40	85	39000
C50H100C50-CR	C50	C50	50	50	100	28000
C63H115C63-CR	C63	C63	63	63	115	20000
C80H145C80-CR	C80	C80	80	80	145	14000

REDUCTION ADAPTOR WITH QUICK CHANGE POLYGONAL SHANK ACCORDING

REDUZIERUNG MIT SCHNELLWECHSEL POLYGONSCHAFT AUFNAHME
ADAPTADOR DE REDUCCIÓN CON CAMBIO RÁPIDO
MANGO POLYGONAL CONFORME
ПЕРЕХОДНЫЙ БЫСТРОСМЕННЫЙ АДАПТОР С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ
ADATTATORE DI RIDUZIONE
CON CAMBIO RAPIDO ATTACCO POLIGONALE
ADAPTATEUR DE RÉDUCTION
À CHANGEMENT RAPIDE ATTACHEMENT POLYGONAL
带快换式多边形柄的缩减转换器



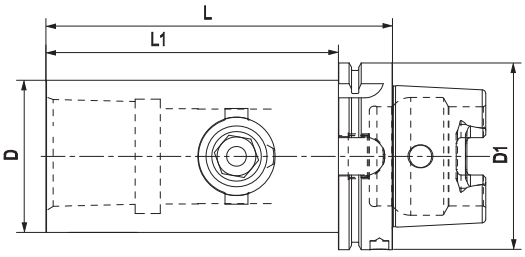
CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	L1	MAX. Rpm
C50H85C40-CR	C50	C40	50	40	85	60,5	28000
C63H100C50-CR	C63	C50	63	50	100	73	20000
C80H120C63-CR	C80	C63	80	63	120	84,5	14000

02

KINTEK

ADAPTOR WITH QUICK CHANGE HSK DIN69893 POLYGONAL SHANK ACCORDING

ADAPTER MIT SCHNELLWECHSEL HSK DIN69893 POLYGONSCHAFT AUFNAHME
ADAPTADOR CON CAMBIO RÁPIDO HSK DIN69893
MANGO POLYGONAL CONFORME
БЫСТРОСМЕННЫЙ АДАПТОР С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ С КРЕПЛЕНИЕМ НА HSK
ADATTATORE CON CAMBIO RAPIDO HSK DIN69893
ATTACCO POLIGONALE
ADAPTATEUR À CHANGEMENT RAPIDE HSK DIN69893
ATTACHEMENT POLYGONAL
带快换式HSK-多边形转换器

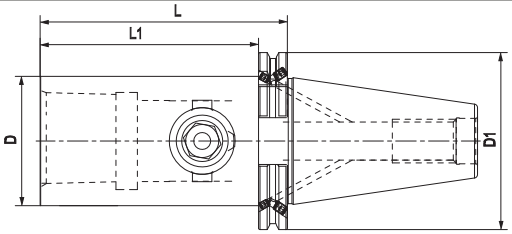


CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	L1	MAX. Rpm
H63AH115C50-CR	H63A	C50	63	50	115	88	20500
H100AH135C63-CR	H100A	C63	100	63	135	105	12500
H100AH165C80-CR	H100A	C80	100	80	165	135	12500

ADAPTOR WITH QUICK CHANGE DOUBLE CONTACT ISO DIN69871 AD/B POLYGONAL SHANK

ADAPTER MIT SCHNELLWECHSEL DOPPELKONTAKT ISO DIN69871 AD/B POLYGONSCHAFT
ADAPTADOR CON CAMBIO RÁPIDO DOBLE CONTACTO ISO DIN69871 AD/B MANGO
БЫСТРОСМЕННЫЙ АДАПТОР С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ С КРЕПЛЕНИЕМ НА КОНУС ПО ISO DIN69871 AD/B DOUBLE CONTACT
ADATTATORE CON CAMBIO RAPIDO DOPPIO CONTATTO ISO DIN69871 AD/B
ADAPTATEUR À CHANGEMENT RAPIDE DOUBLE CONTACT ISO DIN69871 AD/B
带快换式双面接触DIN69871-多边形的转换器

DOUBLE CONTACT

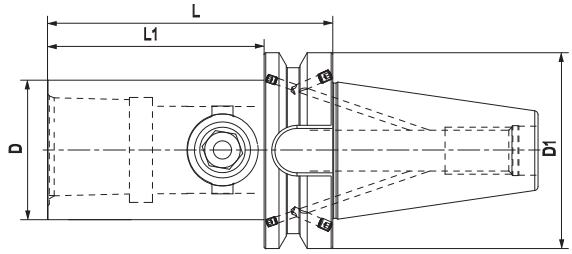


CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	L1
TC50H115C63DK-CR	50DIN69871 AD/B	C63	97,4	63	115	95

ADAPTOR WITH QUICK CHANGE DOUBLE CONTACT MAS403BT AD/B POLYGONAL SHANK

ADAPTER MIT SCHNELLWECHSEL DOPPELKONTAKT MAS403BT AD/B POLYGONSCHAFT
ADAPTADOR CON CAMBIO RÁPIDO DOBLE CONTACTO MAS403BT AD/B MANGO
БЫСТРОСМЕННЫЙ АДАПТОР С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ С КРЕПЛЕНИЕМ НА КОНУС MAS403BT AD/B DOUBLE CONTACT
ADATTATORE CON CAMBIO RAPIDO DOPPIO CONTATTO MAS403BT AD/B
ADAPTATEUR À CHANGEMENT RAPIDE DOUBLE CONTACT MAS403BT AD/B ATTACHEMENT
带快换式双面接触BT-多边形转换器

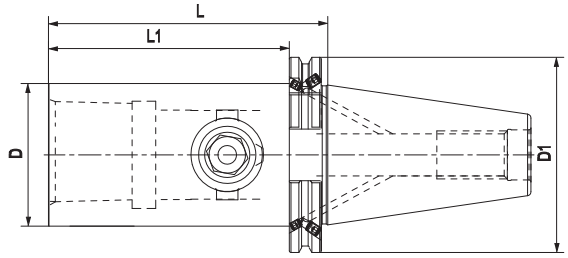
DOUBLE CONTACT



CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	L1
BT50H135C63DK-CR	50MAS403BT AD/B	C63	100	63	135	96

ADAPTOR WITH QUICK CHANGE ISO DIN69871 AD/B POLYGONAL SHANK ACCORDING

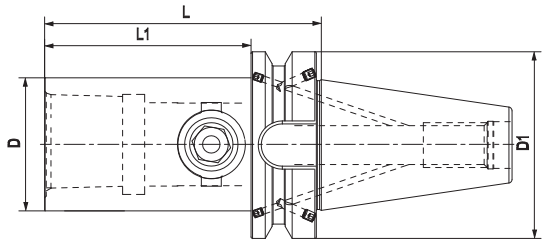
ADAPTER MIT SCHNELLWECHSEL ISO DIN69871 AD/B POLYGONSCHAFT AUFNAHME
ADAPTADOR CON CAMBIO RÁPIDO MAS403BT AD/B MANGO POLYGONAL
БЫСТРОСМЕННЫЙ АДАПТОР С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ С КРЕПЛЕНИЕМ НА КОНУС ПО ISO DIN69871 AD/B
ADATTATORE CON CAMBIO RAPIDO ISO DIN69871 AD/B
ADAPTATEUR À CHANGEMENT RAPIDE MAS403BT AD/B ATTACHEMENT POLYGONAL
带快换式DIN69871-多边形转换器



CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	L1
TC50H95C50-CR	50DIN69871 AD/B	C50	97,4	50	95	75
TC50H115C63-CR	50DIN69871 AD/B	C63	97,4	63	115	95
TC50H135C80-CR	50DIN69871 AD/B	C80	97,4	80	135	115

ADAPTOR WITH QUICK CHANGE MAS403BT AD/B

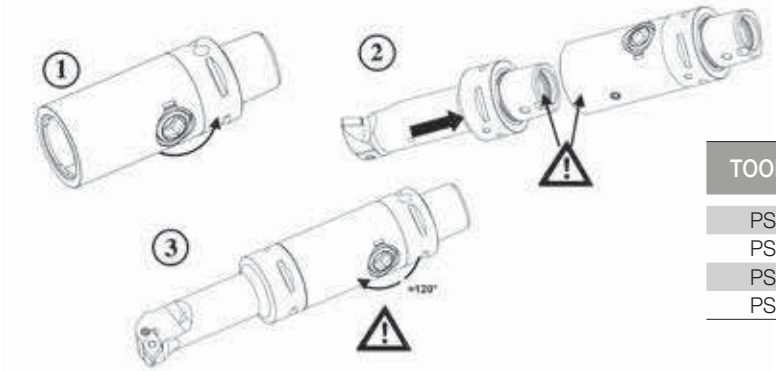
ADAPTER MIT SCHNELLWECHSEL MAS403BT AD/B
ADAPTADOR CON CAMBIO RÁPIDO MAS403BT AD/B
БЫСТРОСМЕННЫЙ АДАПТОР С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ С КРЕПЛЕНИЕМ НА КОНУС MAS403BT AD/B
ADATTATORE CON CAMBIO RAPIDO MAS403BT AD/B
ADAPTATEUR À CHANGEMENT RAPIDE MAS403BT
带快换式双面接触BT-多边形转换器



CODE N.	ATTACCO SHANK	TOOLSIDE	D1	D	L	L1
BT50H115C50-CR	50MAS403BT AD/B	C50	100	50	115	76
BT50H135C63-CR	50MAS403BT AD/B	C63	100	63	135	96
BT50H150C80-CR	50MAS403BT AD/B	C80	100	80	150	111

ISTRUZIONI PER FISSAGGIO PORTAUTENSILE SU ADATTATORI A CAMBIO RAPIDO CON ATTACCO POLIGONALE SECONDO LA NORMA ISO 26623

INSTRUCTIONS

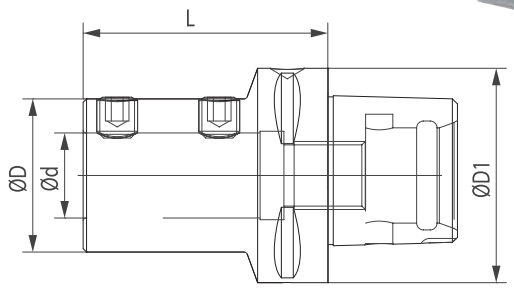


TOOLSIDE	TORQUE (Nm)
PSC40	50Nm
PSC50	70Nm
PSC63	90Nm
PSC80	130Nm

POLYGONAL BORING BAR ADAPTER

REDUZIERHÜLSEN MIT POLYGONSCHAFT
PORTAS PARA BROCAS CON SUJECION POLIGONAL
ПАТРОНЫ DIN ДЛЯ РАСТОЧНЫХ ДЕРЖАВОК
ADATTATORE PER PUNTE CON ATTACCO POLIGONALE
DOUILLES AVEC ATTACHEMENT POLYGONALE
多边形镗孔适配器

DIN ISO 26623-1



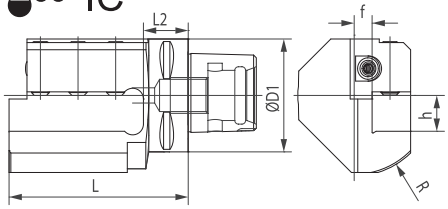
CODE N.	ATTACCO SHANK	D mm	D1 mm	d mm	L mm
C50H52D08PNT	C50	44	50	8	52
C50H52D10PNT	C50	44	50	10	52
C50H52D12PNT	C50	44	50	12	52
C50H65D16PNT	C50	44	50	16	65
C50H60D20PNT	C50	44	50	20	60
C50H70D25PNT	C50	44	50	25	70
C63H60D08PNT	C63	44	63	8	60
C63H60D10PNT	C63	44	63	10	60
C63H60D12PNT	C63	44	63	12	60
C63H70D16PNT	C63	36	63	16	70
C63H70D20PNT	C63	40	63	20	70
C63H72D25PNT	C63	45	63	25	72
C63H75D32PNT	C63	52	63	32	75
C63H85D40PNT	C63	63	63	40	85
C80H85D25PNT	C80	45	80	25	85
C80H90D32PNT	C80	52	80	32	90

90° POLYGONAL TOOLHOLDER

90° DREHHALTER MIT POLYGONSCHAFT
PORTAHERRAMIENTA 90° CON SUJECION POLIGONAL
ПАТРОНЫ DIN ДЛЯ ДЕРЖАВОК ДЛЯ НАРУЖНОГО ТОЧЕНИЯ 90 ГРАДУСОВ
PORTAUTENSILE 90° CON ATTACCO POLIGONALE
PORTE-OUTIL 90°AVEC ATTACHEMENT POLYGONALE
90°多边形刀柄

DIN ISO 26623-1

IC



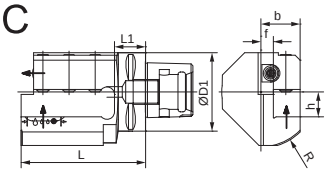
CODE N.	ATTACCO SHANK	D1 mm	L mm	h mm
C50-AD2020R/L	C50	50	98	20
C63-AD2020R/L	C63	63	100	20
C63-AD2525R/L	C63	63	130	25
C63-AD3232R/L	C63	63	134	32

90° POLYGONAL TOOLHOLDER

90° DREHHALTER MIT POLYGONSCHAFT
PORTAHERRAMIENTA 90° CON SUJECION POLIGONAL
ПАТРОНЫ DIN ДЛЯ ДЕРЖАВОК ДЛЯ НАРУЖНОГО ТОЧЕНИЯ 90 ГРАДУСОВ
PORTAUTENSILE 90° CON ATTACCO POLIGONALE
PORTE-OUTIL 90°AVEC ATTACHEMENT POLYGONALE
90°多边形刀柄

DIN ISO 26623-1 - C50/C63

IC

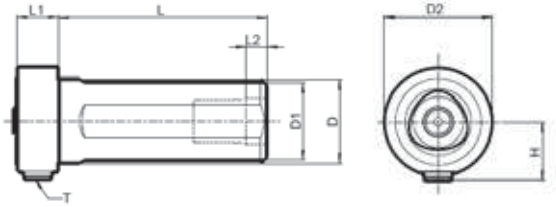


CODE N.	SHANK	D1	L	L1	b	R	f	h
C50-AD2020R/L-IC	C50	50	98	22	26	39	6	20
C63-AD2020R/L-IC	C63	63	100	24	32	41,5	12	20
C63-AD2525R/L-IC	C63	63	130	28	35	49	10	25
C63-AD3232R/L-IC	C63	63	134	28	39	59	7	32

TOOLHOLDER WITH CYLINDRICAL SHANK AND WITH POLYGONAL ATTACHMENT

WERKZEUGHALTER MIT ZYLINDRISCHEM SCHAFT UND MIT POLYGONSCHAFT KUPPLUNG
PORTAHERRAMIENTA CON MANGO CILINDRICO Y CON SUJECION POLIGONAL
ДЕРЖАТЕЛИ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ ДЛЯ ИНСТРУМЕНТА С ХВОСТОВИКОМ HSK
PORTAUTENSILE A STELO CILINDRICO CON ATTACCO POLIGONALE
PORTE-OUTIL AVEC QUEUE CYLINDRIQUE ET AVEC ATTACHEMENT POLYGONALE
带多边形接口的圆柱杆刀柄

DIN ISO 26623-1

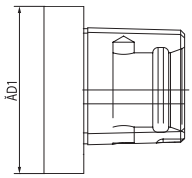


CODE N.	ATTACCO SHANK	L	L1	L2	D	D1	H	T
D40L100C40	C40	100	20	10	40	37	28	1/8 G
D50L120C50	C50	120	24	20	50	47	33	1/8 G

BLANKING PLUG

VERSCHLUßDECKEL TAPPO DI PROTEZIONE
TAPON DE PROTECCION BOUCHON DE PROTECTION
ЗАГЛУШКИ 切断栓

DIN ISO 26623-1



CODE N.	D1
C40-TP	40
C50-TP	50
C63-TP	63

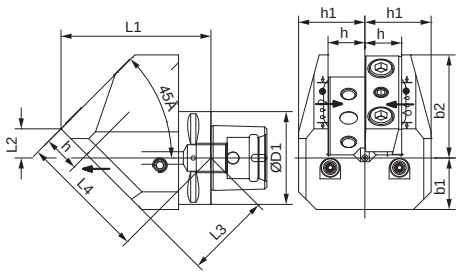
45° POLYGONAL TOOLHOLDER

45° DREHHALTER MIT POLYGONSCHAFT PORTAUTENSILE 45° CON ATTACCO POLIGONALE
PORTAHERRAMIENTA 45° CON SUJECION POLIGONAL PORTE-OUTIL 45° AVEC ATTACHEMENT POLYGONALE
ПАТРОНЫ DIN ДЛЯ ДЕРЖАВОК ДЛЯ НАРУЖНОГО ТОЧЕНИЯ 45 ГРАДУСОВ 45°多边形刀柄

DIN ISO 26623-1

IC

CODE N.	ATTACCO SHANK	D1 mm	b1 mm	b2 mm	h mm	h1 mm	L1 mm	L2 mm	L3 mm	L4 mm
C63-ARD2525-45	C63	63	35	70	25	45	102	20	58	86

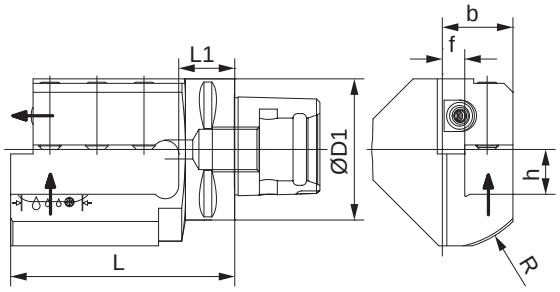


45° POLYGONAL TOOLHOLDER

45° DREHHALTER MIT POLYGONSCHAFT PORTAUTENSILE 45° CON ATTACCO POLIGONALE
PORTAHERRAMIENTA 45° CON SUJECION POLIGONAL PORTE-OUTIL 45° AVEC ATTACHEMENT POLYGONALE
ПАТРОНЫ DIN ДЛЯ ДЕРЖАВОК ДЛЯ НАРУЖНОГО ТОЧЕНИЯ 45 ГРАДУСОВ 45°多边形刀柄

DIN ISO 26623-1 - C63

IC

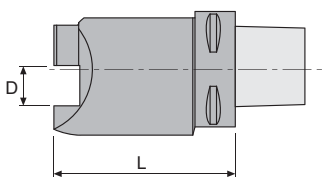


CODE N.	SHANK	D1	b1	b2	h	h1	L1	L2	L3	L4
C63-ARD2525-45-IC	C63	63	35	70	25	45	102	20	58	86

45° DREHHALTER MIT POLYGONSCHAFT

45° POLYGONAL TOOLHOLDER PORTAUTENSILE 45° CON ATTACCO POLIGONALE
PORTAHERRAMIENTA 45° CON SUJECION POLIGONAL PORTE-OUTIL 45° AVEC ATTACHEMENT POLYGONALE
ПАТРОНЫ DIN ДЛЯ ДЕРЖАВОК ДЛЯ НАРУЖНОГО ТОЧЕНИЯ 45 ГРАДУСОВ 45°多边形刀柄

DIN ISO 26623-1

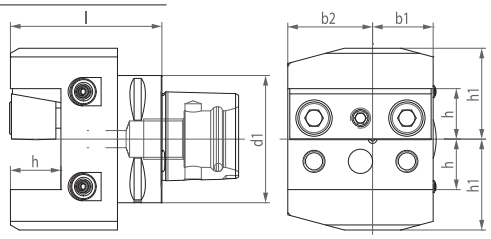


CODE N.	ATTACCO SHANK	D mm	L mm
C63AR25R/L	C63	25	130

RADIAL TOOLHOLDER

RADIAL WERKZEUGHALTER PORTAUTENSILE RADIALE
PORTAHERRAMIENTA RADIAL PORTE-OUTIL RADIAL
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ 径向刀柄

DIN ISO 26623-1

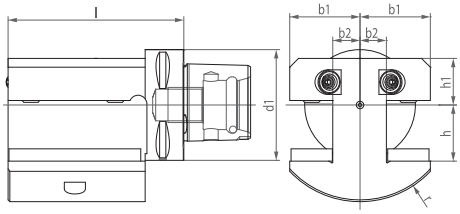


CODE N.	SHANK	d1	b1	b2	h	h1	l
C63RD25R	C63	63	30	42	25	45	75

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTA AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN ISO 26623-1

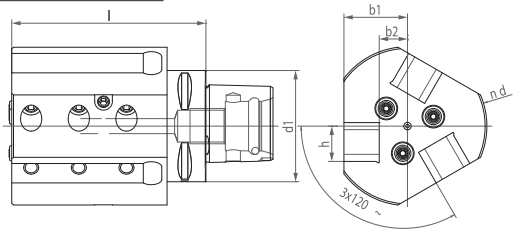


CODE N.	SHANK	d1	b1	b2	h	h1	l	r
C63AX25/32	C63	63	40	15	25/32	26.5	110	55

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTA AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN ISO 26623-1



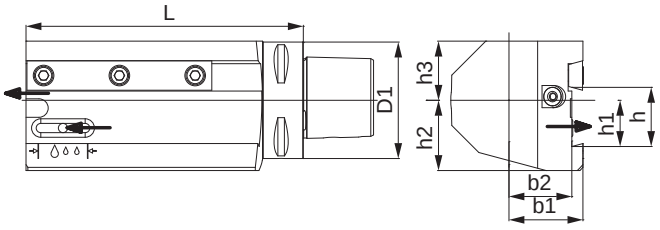
CODE N.	SHANK	d1	b1	b2	h	l	d
C63AT20R	C63	63	36	16	20	110	90
C63AT20L	C63	63	36	16	20	110	90

AXIAL TOOLHOLDER FOR CUT OFF TOOLS

AXIAL ABSTECHMEISSELHALTER PORTAUTENSILE ASSIALE PER LAMA DA TAGLIO
PORTAHERRAMIENTAS AXIAL PARA HOJA DE CORTE PORTE-OUTIL AXIAL DE TRONCONNAGE
ДЕРЖАТЕЛИ ОСЕВЫЕ ДЛЯ ОТРЕЗНЫХ РЕЗЦОВ 用于切断工具的轴向刀柄

DIN ISO 26623-1 - C50/C63

IC

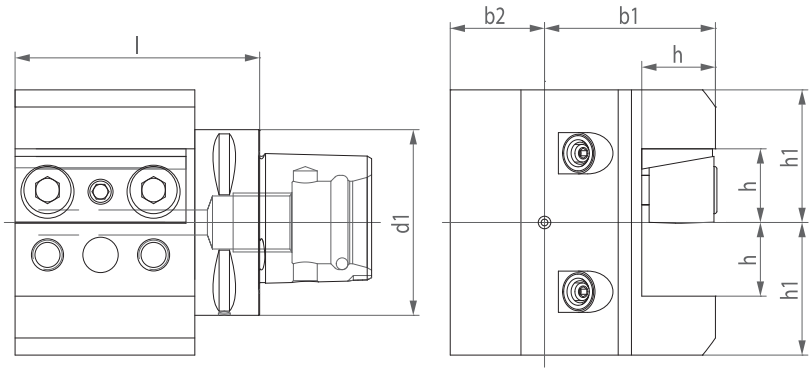


CODE N.	SHANK	D1	b1	b2	h	h1	h2	h3	L
C50-SCAR26R/L-IC	C50	50	33	27	26	21,4	34	30	115
C63-SCAR26R/L-IC	C63	63	40	34	26	21,4	34	31,5	115
C63-SCAR32R/L-IC	C63	63	40	34	32	25	38	32	150

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTA AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN ISO 26623-1

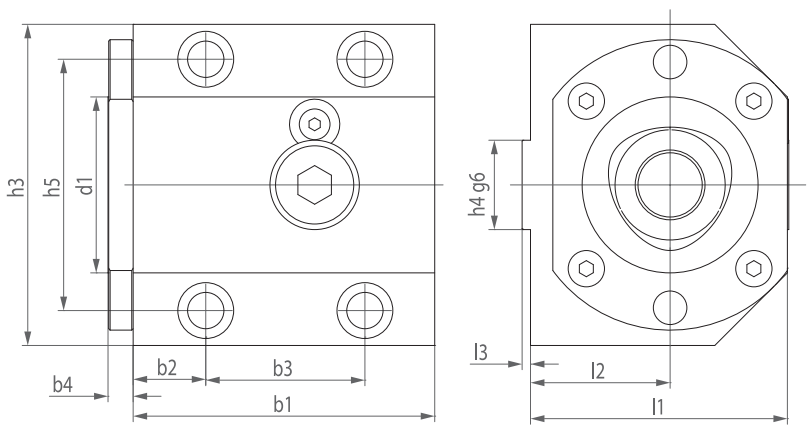


CODE N.	SHANK	d1	b1	b2	h	h1	l
C63AD25R	C63	63	58	32	25	45	83

LONGITUDINAL TOOLHOLDER FOR BORING BARS

LÄNGSWERKZEUGHALTER FÜR BOHRSTANGEN FÜR STERNREVOLVER
PORTAHERRAMIENTA LONGITUDINAL PARA BARRAS
ДЕРЖАТЕЛИ РАСТОЧНЫХ РЕЗЦОВ ПРОДОЛЬНЫЕ
PORTAUTENSILE LONGITUDINALE PER BARENI, PER TORRETTA RADIALE
PORTE-OUTIL LONGITUDINAL POUR OUTILS A ALESER
镗头柄水平式刀柄

DIN ISO 26623-1



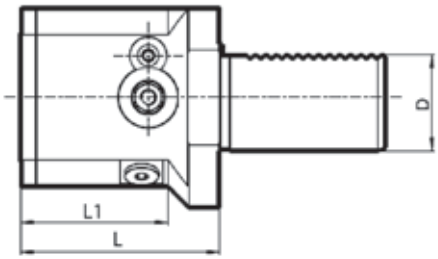
CODE N.	d1	h3	h4	h5	b1	b2	b3	b4	l1	l2	l3
PU4-25-C4	40	92	25	71	78	22	43	6	56	29	3
PU4-25-C5	50	92	25	71	87	22	43	8	74	39	3
PU4-32-C5	50	115	32	90	95	26	57	8	74	39	3
PU4-32-C6	63	115	32	90	108	26	57	9	95	50	3

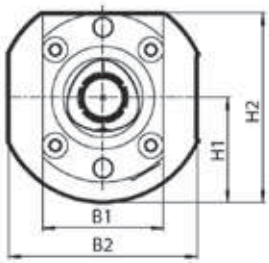
AXIAL TOOLHOLDER WITH POLYGONAL COUPLING

AXIAL WERKZEUGHALTER MIT POLYGONSCHAFT KUPPLUNG
PORTAHERRAMIENTA AXIAL PARA HERRAMIENTAS CON SUJECION POLIGONAL
ОСЕВОЙ ДЕРЖАТЕЛЬ ИНСТРУМЕНТА С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ
PORTAUTENSILE ASSIALE PER UTENSILI CON ATTACCO POLIGONALE
PORTE-OUTIL AXIAL AVEC ATTACHEMENT POLYGONALE
多边形耦合轴向刀柄

DIN ISO 26623-1

RIGHT-HAND
VERSION SHOWN





CODE N.	ATTACCO SHANK	L	L1	D	B1	B2	H1	H2
VDI40L75C40R/L	C40	75	56	40	48	75	41	75
VDI40L85C50R/L	C50	85	72	40	64	75	41	83
VDI40L109C63R/L	C63	109	109	40	84	84	52	104
VDI50L85C50R/L	C50	85	62	50	64	83	49	91
VDI50L105C63R/L	C63	105	105	50	84	84	52	104

02

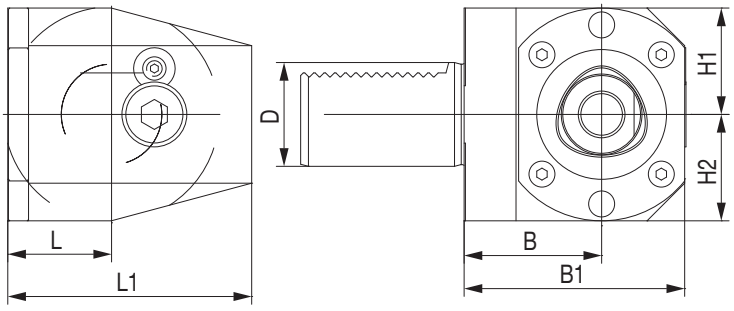
KINTEK

RADIAL TOOLHOLDER WITH POLYGONAL COUPLING

RADIAL WERKZEUGHALTER MIT POLYGONSCHAFT KUPPLUNG
PORTAHERRAMIENTA RADIAL PARA HERRAMIENTAS CON SUJECION POLIGONAL
РАДИАЛЬНЫЙ ДЕРЖАТЕЛЬ ИНСТРУМЕНТА С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ
PORTAUTENSILE RADIALE PER UTENSILI CON ATTACCO POLIGONALE
PORTE-OUTIL RADIAL AVEC ATTACHEMENT POLYGONALE
带多边形耦合的轴向刀柄

DIN ISO 26623-1

RIGHT-HAND
VERSION SHOWN

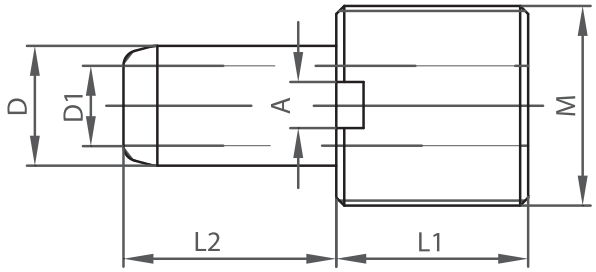


CODE N.	ATTACCO SHANK	D	L	L1	B	B1	H1	H2
VDI40RADL30C40R/L	C40	40	30	83	51	75	33,5	38
VDI40RADL40C50R/L	C50	40	40	94	53	85	41	41
VDI40RADL40C63R/L	C63	40	40	116	53	95	52	52
VDI50RADL40C50R/L	C50	50	40	94	53	85	43	43
VDI50RADL40C63R/L	C63	50	40	116	53	95	52	52

COOLANT SUPPLY UNIT

KÜHLMITTELÜBERGABEROHR SET ADDUZIONE REFRIGERANTE
TUBO DE REFRIGERANTE DISPOSITIF DE TRANSFERT DE LIQUIDE DE LUBRIFICATION
СОПЛА ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 冷却剂供应装置

DIN ISO 26623-1

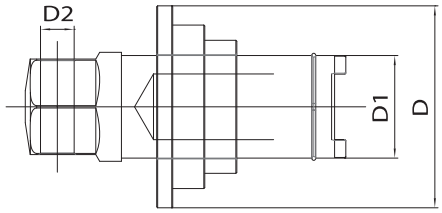


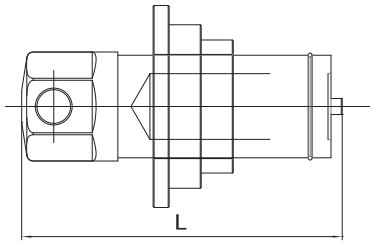
CODE N.	ATTACCO SHANK	M	D	D1	L1	L2	A
832-016080	C40	M14x1,5	6	4	12	13,5	3
832-016090	C50	M16x1,5	7	5	14	14.4	3
832-016100	C63	M20x2	8	6	15	15.7	3
832-016110	C80	M20x2	10	8	15	16,6	3

KEY FOR COOLANT SUPPLY UNIT

SCHLÜSSEL FÜR KÜHLMITTELÜBERGABESATZ CHIAVE PER ADDUTTORE REFRIGERANTE
LLAVE PARA TUBO DE REFRIGERANTE CLE POUR LE DISPOSITIF DE TRANSFERT DE LIQUIDE DE LUBRIFICATION
КЛЮЧИ К СОПЛАМ ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 冷却剂供应装置键

DIN ISO 26623-1



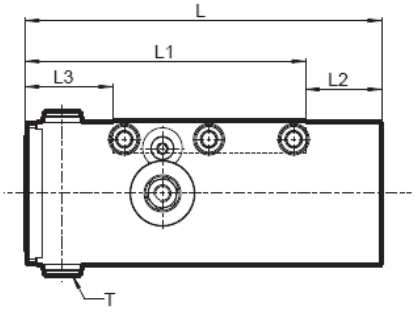


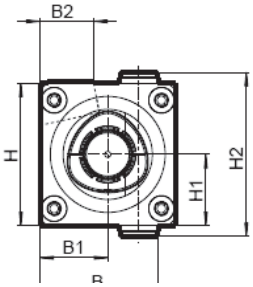
CODE N.	ATTACCO SHANK	D	D1	D2	L
816-204026	C50	42	26	10,5	90
816-204027	C63	63	32	10,5	100

TOOLHOLDER WITH SQUARE SHANK AND WITH POLYGONAL ATTACHMENT

WERKZEUGHALTER MIT VIERECKIGEM SCHAFT UND MIT POLYGONSCHAFT KUPPLUNG
PORTAHERRAMIENTA DE TALLO CUADRADO CON MANGO POLIGONAL
ДЕРЖАТЕЛИ С ПРИЗМАТИЧЕСКИМ ХВОСТОВИКОМ ДЛЯ ИНСТРУМЕНТА С ХВОСТОВИКОМ HSK
PORTAUTENSILE A STELO QUADRO CON ATTACCO POLIGONALE
PORTE-OUTIL AVEC QUEUE CARÉE ET AVEC ATTACHEMENT POLYGONALE
带多边形接口的方杆刀柄

DIN ISO 26623-1



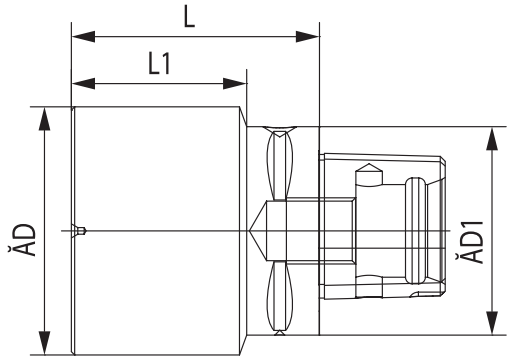


CODE N.	MISURA	L	L1	L2	L3	B	B1	B2	H	H1	H2	T
Q50L125C40R/L	C40	125	100	25	31	42	24	19	50	25	57,5	G 1/8

POLYGONAL BLANK TOOLHOLDER

POLYGONSCHAFT-ROHLING MANDRINO A STELO TENERO CON ATTACCO POLIGONALE
CONO SEMIACABADO CON SUJECION POLIGONAL SEMI-FINIES AVEC ATTACHEMENT POLYGONALE
ЗАГОТОВКА С ПОЛИГОНАЛЬНЫМ ХВОСТОВИКОМ 多边形空白刀柄

DIN69893 A



HRC26-28

CODE N.	ATTACCO SHANK	D1	D	L	L1
C40H165D63	C40	40	63	165	145
C50H150D50	C50	50	50	150	130
C50H150D91	C50	50	91	150	130
C63H180D63	C63	63	63	180	158
C63H100D115	C63	63	115	100	78
C63H75D91	C63	63	91	75	53
C80H200D80	C80	80	80	200	170
C80H140D110	C80	80	110	140	110
C80H160D115	C80	80	115	160	130

02

KINTEK

ASSEMBLY SUPPORTS

MONTAGEBLOCK SUPPORTO DI MONTAGGIO
SOPORTE DE MONTAJE SUPPORTS D'ASSEMBLAGE
СТОЙКА ДЛЯ СБОРКИ ИНСТРУМЕНТА 组件支架

DIN ISO 26623-1

It is very useful for all assembly and disassembly operations of the tools on the toolholders, either in horizontal or in vertical position. This process is carried out without any risk to damage casually the tool or the toolholder. It is a very simple system suitable for Din toolholders.

Consente di effettuare tutte le operazioni di montaggio e smontaggio degli utensili sui mandrini, sia in orizzontale che in verticale. Questi procedimenti avvengono con razionalitá, sicurezza, rapiditá e senza alcun rischio di danneggiare o il mandrino o l'utensile. E' il sistema che offre la massima semplicitá d'uso per i mandrini Poligonali.

Dieses unkompliziertes System erlaubt die schnelle und sichere Montage und Demontage von Steilkegelaufnahmen in horizontaler und vertikaler Lage. Das Risiko der Werkzeugbeschädigung ist ausgeschlossen. Es eignet sich natürlich auch für modulare Din-Aufnahmen.

Permite efectuar todas las operaciones de montaje y desmontaje de las herramientas sobre los conos, tanto en horizontal como en vertical. Esos procedimientos se realizan con seguridad, rapidez y sin algún riesgo de dañar el cono o la herramienta. Es un sistema que ofrece la máxima simplicidad de uso para los conos con mango Poligonal.

Il permets d'effectuer toutes les operations de montage /assemblage/ demontage des outils sur les Mandrins. Ces proces se déroulent avec rationalité, sureté, vitesse et sans aucun risque d'endommagement accidentel du mandrin ou de l'outil. C'est un systéme qui vous offre la plus haute simplicité d'usage et il est bien indiqué pour les Din mandrin.

Приспособление очень удобно для операций сборки и демонтажа инструмента, как в вертикальном, так и в горизонтальном положении. Оно позволяет избежать повреждения оправок или режущего инструмента. Это простое приспособление подходит для монолитных оправок.

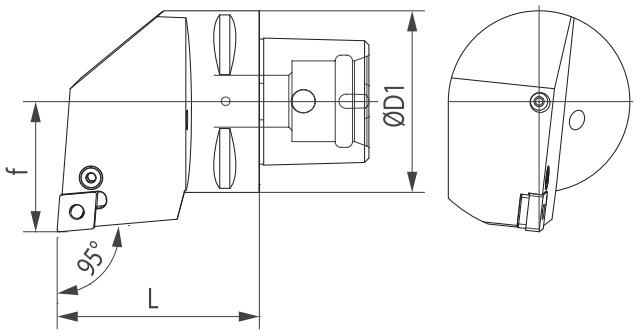
它对于所有将工具以垂直或水平方向安装在刀柄上和从刀柄上拆除，均非常有用。这一过程的执行不会对工具或刀柄产生任何破坏的风险。
这一非常简单的系统适用于整体式刀柄。

ATTACK	CODE N.
C40	237-33210
C50	237-33310
C63	237-33410
C80	237-33510

POLYGONAL TURNING TOOL

KLEMMHALTER MIT POLYGONSCHAFT
HERRAMIENTA DE TORNEADO CON SUJECION POLIGONAL
ДЕРЖАВКА ДЛЯ НАРУЖНОГО ТОЧЕНИЯ DIN
UTENSILE TORNITURA CON ATTACCO POLIGONALE
PORTE-OUTIL AVEC ATTACHEMENT POLYGONALE
多边形车刀

DIN ISO 26623-1 - PCLN

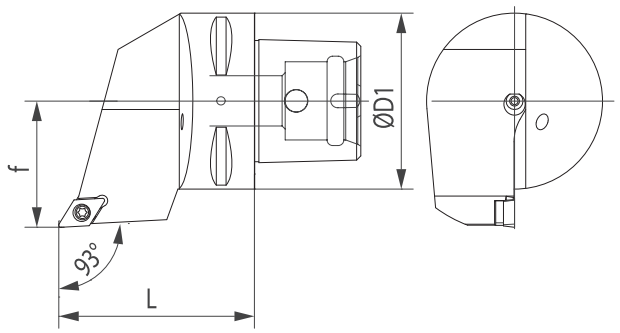


CODE N.	ATTACCO SHANK	D1 mm	f mm	L mm	INSERT
C63-PCLNR/L12	C63	63	45	65	CN..1204..

POLYGONAL TURNING TOOL

KLEMMHALTER MIT POLYGONSCHAFT
HERRAMIENTA DE TORNEADO CON SUJECION POLIGONAL
ДЕРЖАВКА ДЛЯ НАРУЖНОГО ТОЧЕНИЯ DIN
UTENSILE TORNITURA CON ATTACCO POLIGONALE
PORTE-OUTIL AVEC ATTACHEMENT POLYGONALE
多边形车刀

DIN ISO 26623-1 - SDJC

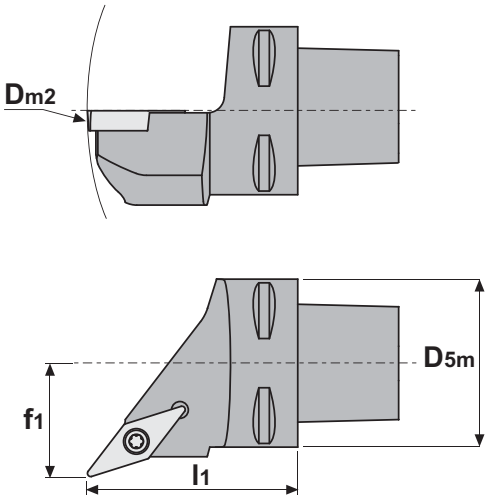


Code N.	ATTACCO SHANK	D1 mm	f mm	L mm	INSERT
C63-SDJCR/L11	C63	63	45	65	DC..11T3..

POLYGONAL TURNING TOOL

KLEMMHALTER MIT POLYGONSCHAFT | UTENSILE TORNITURA CON ATTACCO POLIGONALE
HERRAMIENTA DE TORNEADO CON SUJECION POLIGONAL | PORTE-OUTIL AVEC ATTACHEMENT POLYGONALE
ДЕРЖАВКА ДЛЯ НАРУЖНОГО ТОЧЕНИЯ DIN | 多边形车刀

DIN ISO 26623-1 - SVHC



Code N.	ATTACCO SHANK	l1 mm	f1 mm	INSERT
C63-SVHCR/L16	63	65	45	VCMT1604..

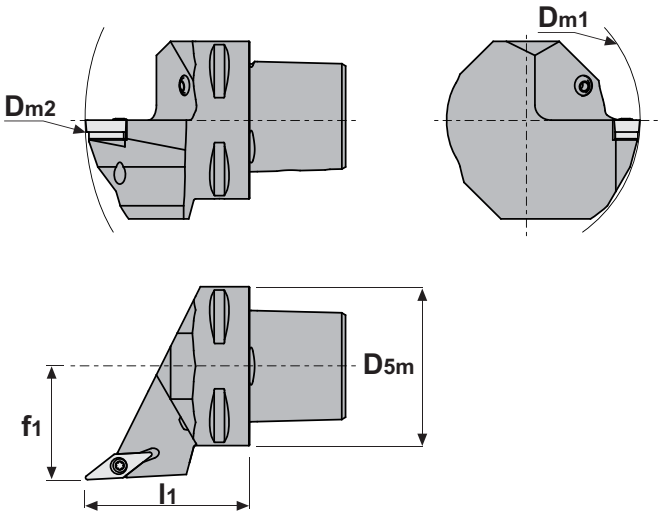
02

KINTEK

POLYGONAL TURNING TOOL

KLEMMHALTER MIT POLYGONSCHAFT | UTENSILE TORNITURA CON ATTACCO POLIGONALE
HERRAMIENTA DE TORNEADO CON SUJECION POLIGONAL | PORTE-OUTIL AVEC ATTACHEMENT POLYGONALE
ДЕРЖАВКА ДЛЯ НАРУЖНОГО ТОЧЕНИЯ DIN | 多边形车刀

DIN ISO 26623-1 - SVJB

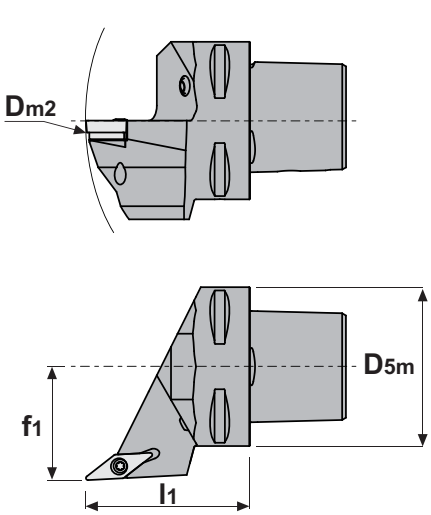


CODE N.	ATTACCO SHANK	l1 mm	f1 mm	INSERT
C63-SVJBR/L16	63	65	45	VBMT1604..

POLYGONAL TURNING TOOL

KLEMMHALTER MIT POLYGONSCHAFT | UTENSILE TORNITURA CON ATTACCO POLIGONALE
HERRAMIENTA DE TORNEADO CON SUJECION POLIGONAL | PORTE-OUTIL AVEC ATTACHEMENT POLYGONALE
ДЕРЖАВКА ДЛЯ НАРУЖНОГО ТОЧЕНИЯ DIN | 多边形车刀

DIN ISO 26623-1 - SVJC

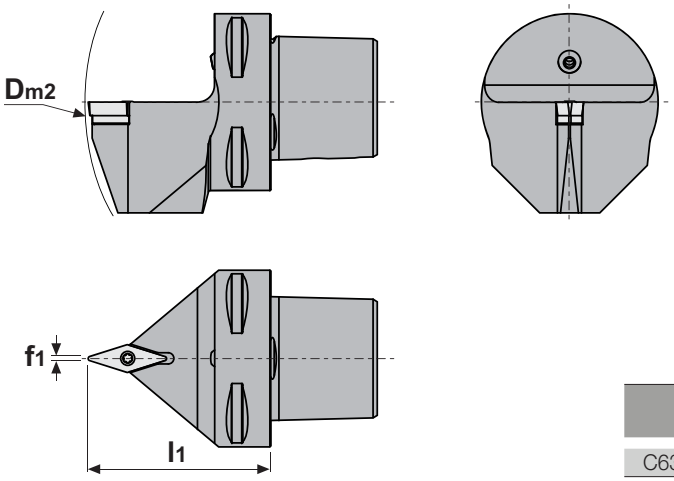


CODE N.	ATTACCO SHANK	l1 mm	f1 mm	INSERT
C63-SVJCR/L16	63	65	45	VCMT1604..

POLYGONAL TURNING TOOL

KLEMMHALTER MIT POLYGONSCHAFT | UTENSILE TORNITURA CON ATTACCO POLIGONALE
HERRAMIENTA DE TORNEADO CON SUJECION POLIGONAL | PORTE-OUTIL AVEC ATTACHEMENT POLYGONALE
ДЕРЖАВКА ДЛЯ НАРУЖНОГО ТОЧЕНИЯ DIN | 多边形车刀

DIN ISO 26623-1 - SVVC

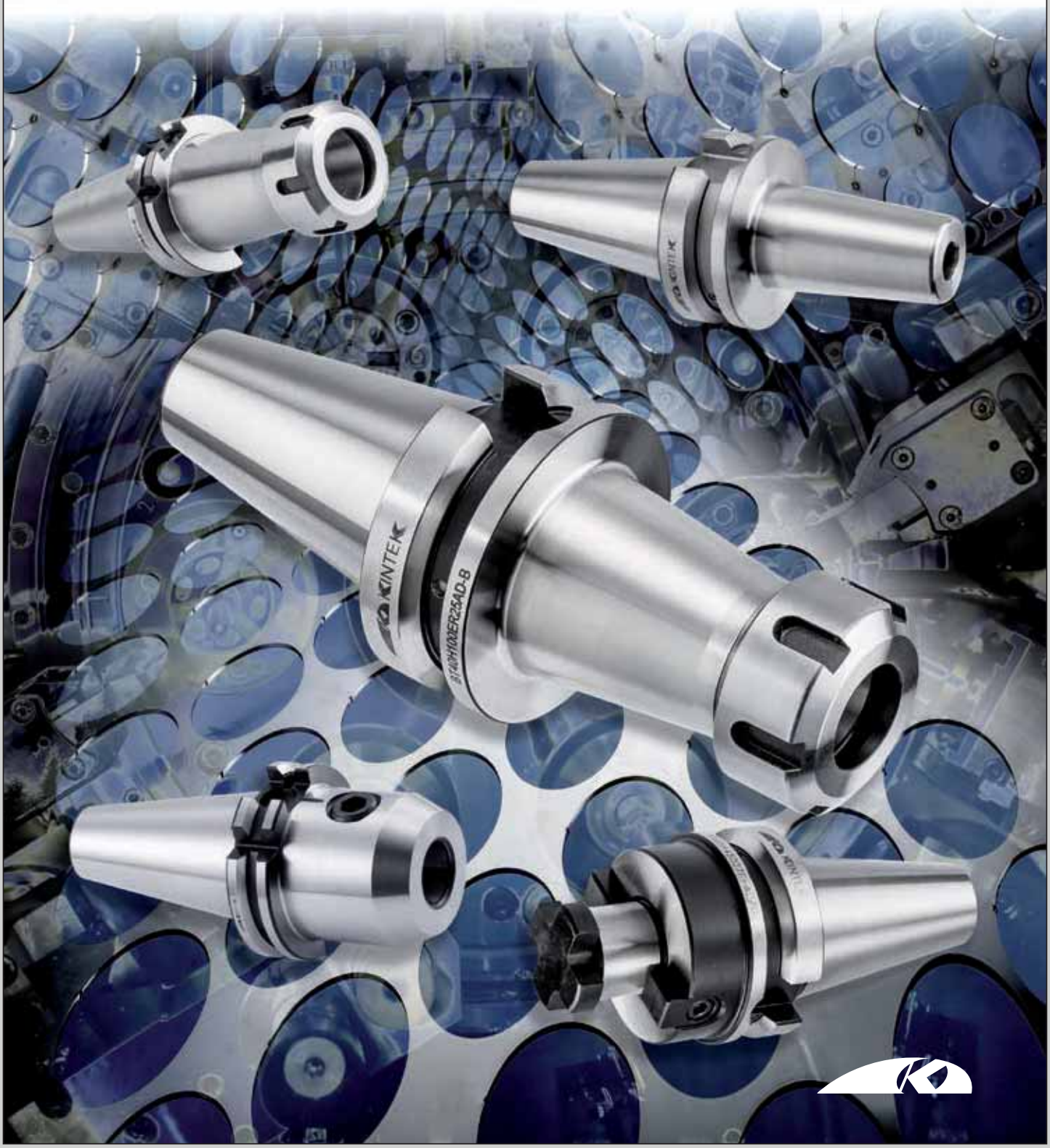


CODE N.	ATTACCO SHANK	f1 mm	l1 mm	D2	INSERT
C63-SVVCN16-190	63	0,6	65	190	VCMT1604..

KINTEK®

DOUBLE CONTACT TOOLHOLDERS DK

MANDRINI DOPPIO CONTATTO DK



www.kintek.it

DOUBLE CONTACT TOOLHOLDERS DK

MANDRINI DOPPIO CONTATTO DK

DOPPELKONTAKT AUFNAHMEN DK

CONOS DE DOBLE CONTACTO

PORTE-OUTILS DOUBLE CONTACT DK

ОПРАВКИ DK

DK 双接触面刀柄

THE NUMEROUS ADVANTAGES OF DOUBLE CONTACT TOOLHOLDER DK:

- Enhanced rigidity thanks to simultaneous fit of taper and flange
- Improvement of the life of the cutting tool
- Improved stability leads to minimized vibration
- Greater bending stiffness allows for higher cutting data, hence higher productivity.

I NUMEROSI VANTAGGI DEL MANDRINO DOPPIO CONTATTO DK

- Maggiore rigidità grazie all'azione simultanea del contatto conico e di quello a flangia
- Miglioramento della vita dell'utensile di taglio
- Maggiore stabilità grazie alla riduzione delle vibrazioni
- Maggiore resistenza alla flessione per aumentare i dati di taglio e, quindi, la produttività.

DIE ZAHLREICHEN VORTEILE DES DK:

- Verbesserte Steifigkeit durch die Simultanwirkung des Kontakts des Kegels und des Flansches
- Verbesserung der Lebensdauer des Schneidwerkzeugs
- Verbesserte Stabilität durch eine beachtliche Schwingungssenkung
- Größere Biegesteifigkeit, welche die Produktivität erhöht.

LAS NUMEROSAS VENTAJAS DE LOS CONOS DE DOBLE CONTACTO:

- Mayor rigidez gracias al contacto simultaneo del cono y la valona
- Mejora la vida de las herramientas de corte
- Mejora la estabilidad gracias a la reducción de las vibraciones
- Su gran rigidez permite mayores condiciones de corte y por tanto mayor productividad

LES NOMBREUX AVANTAGES DE DK:

- Amélioration de la rigidité grâce au contact au niveau du cône et au niveau de la collerette
- Amélioration de la durée de vie de l'outil de coupe
- Amélioration de la stabilité grâce à la réduction des vibrations
- Grande résistance à la flexion qui permet d'augmenter les conditions de coupe et la productivité.

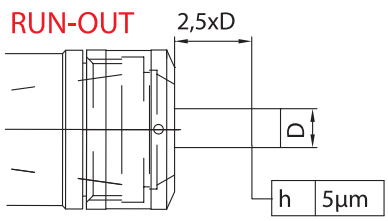
МНОГОЧИСЛЕННЫЕ ДОСТОИНСТВА DK:

- Повышение твердости благодаря синхронному действию контактов
- Продление срока годности
- Повышение стабильности вследствие снижения вибрации
- Повышение прочности при изгибе для улучшения качества обработки.

DK 刀头的优点:

- 得益于刀柄和法兰的同时配合产品的剛性大大提高
- 切削工具的壽命得以延长
- 更少的震动从而稳定性得以提高
- 更大的抗弯刚度从而提高了生产能力

GREAT ACCURACY - HIGH PRECISION LINE



- **RUN OUT 5 MICRON at 2,5 times the diameter achieved only by using HP ER collets.**
  The High level of accuracy is achieved either on the NOMINAL DIAMETER or by clamping the tool whose diameter is maximum 0,5 mm smaller than the nominal diameter.
- 20% higher clamping force (compared to standard ER collet chuck system).

- **RUN OUT 5 MICRON a 2,5 il diametro garantito esclusivamente tramite pinze ER PRECISE.**
  L'elevata precisione si ottiene o sul DIAMETRO NOMINALE o chiudendo l'utensile con diametro al massimo di 0,5mm inferiore al diametro nominale.
- Forza di serraggio maggiore del 20% (rispetto a portapinza ER standard).

- **5 MICRON RUNDLAUFGENAUIGKEIT bei 2,5 Mal des Durchmessers nur durch Verwendung von HP-ER Spannzangen erreicht.**
  Das Erreichen der hohen Genauigkeit erfolgt entweder am NENNDURCHMESSER oder durch das Spannen des Werkzeuges, wessen Durchmesser maximal 0,5 mm kleiner als der Nenndurchmesser ist.
- 20% höhere Spannkraft (im Vergleich zum Standard ER Spannzagenfuttersystem)

- **CONCENTRICIDAD DE 5 MICRAS en una longitud de voladizo de la herramienta de hasta 2,5 veces el diámetro de la misma.**
  La alta precisión se obtiene tanto en el DIAMETRO NOMINAL como en la sujeción de la herramienta. Máximo rango de apriete 0.5mm por debajo del diámetro nominal.
- 20% mayor fuerza de apriete en comparación con un portapinzas ER estándar.

- **COAXIALITE 5 MICRON à 2,5 fois le diamètre obtenu uniquement en utilisant des pinces ER PRECISE.**
  Le haut niveau de précision est obtenu soit sur le NOMINAL DIAMETER soit en serrant l'outil dont le diamètre est au maximum 0,5 mm inférieur au diamètre nominal.
- Force de serrage 20% supérieur si comparée au system de porte-pince standard

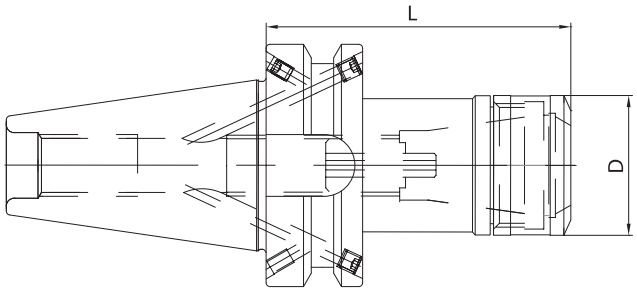
- **RUN OUT с 5 до 2,5 MICRON достигается только при использовании цанг PRECISION ER .**
  Высокий уровень точности достигается либо при зажиме НОМИНАЛЬНОГО ДИАМЕТРА, либо путем зажима инструмата, диаметр которого не должен превышать 0,5мм номинального диаметра.
- Сила зажима на 20% выше по сравнению со стандартнымы цанговымы патронами

- 使用HP的弹簧筒夹，在2.5倍径的地方刀柄跳⊠达到5u。
  所夹持的刀具需满足标称直径或比标称直径小0.5mm以内才能达到这个精度。

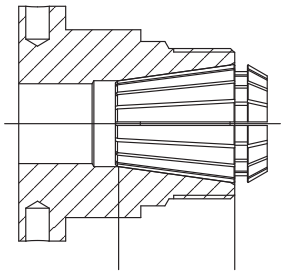
DOUBLE CONTACT ER COLLET CHUCK

DOPPELKONTAKT AUFNAHMEN ER SPANNZANGENFUTTER
CONOS PORTAPINZAS DE DOBLE CONTACTO DE TIPO ER
ЦАНГОВЫЙ ПАТРОН ER С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAPINZA A DOPPIO CONTATTO TIPO ER
MADRINS DOUBLE CONTACT PORTE-PINCE ER
ER双向夹头

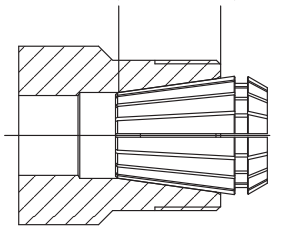
MAS BT AD+B DOPPIO CONTATTO - DIN 6499



DOUBLE CONTACT



HIGH PRECISION LINE



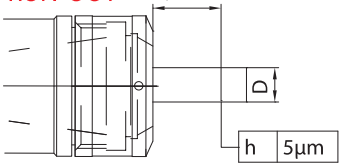
STANDARD

	CODE N.	DESCRIPTION	ISO	L	D	ER	G2,5 30000
ISO 30	214-37231*	BT30H70ER16-HPDK	30	70	30	16	•
	214-37232*	BT30H70ER25-HPDK	30	70	40	25	•
	214-37233*	BT30H70ER32-HPDK	30	70	50	32	•
ISO 40	214-37219	BT40H70ER16-HPDK	40	70	30	16	•
	214-37220	BT40H70ER25-HPDK	40	70	40	25	•
	214-37221	BT40H70ER32-HPDK	40	70	50	32	•
ISO 40	214-37222	BT40H100ER16-HPDK	40	100	30	16	•
	214-37223	BT40H100ER25-HPDK	40	100	40	25	•
	214-37224	BT40H100ER32-HPDK	40	100	50	32	•

* Predisposti per pinze **ER/ERHP/ERC**
* Suitable for **ER/ERHP/ERC** collets

* BT30 only AD version
* BT30 solo versione AD
* BT30 nur AD Ausführung
* BT30 solo versión AD
* BT30 seulement Version AD
* BT30 только с AD исполнением
* BT30 只在 AD 版本下

RUN-OUT 2,5xD



Accessories
Accessori
Zubehör
Accesorios
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Принадлежности
零件

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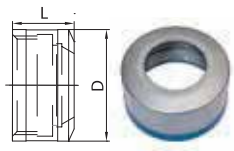
CODE N.	D	L	ER
812-203085	30	19,5	16
812-203086	40	22	25
812-203087	50	25	32

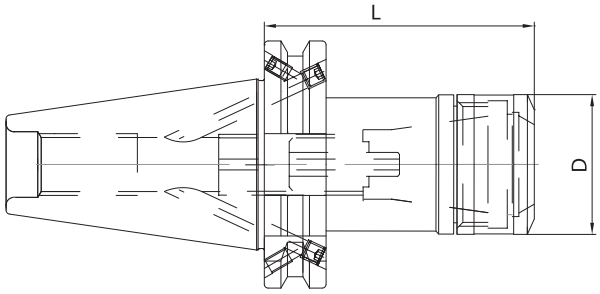


CODE N.	D	D1	ER
816-203069	30	3	16
816-203070	40	4	25
816-203071	50	4	32

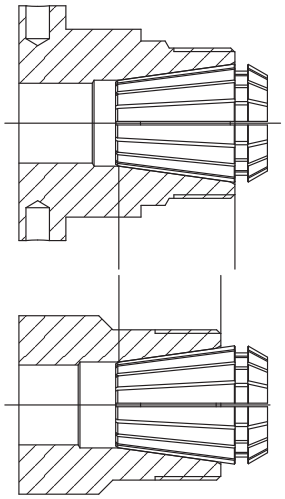
DOUBLE CONTACT ER COLLET CHUCK

DOPPELKONTAKT AUFNAHMEN ER SPANNZANGENFUTTER
CONOS PORTAPINZAS TIPO ER DE DOBLE CONTACTO
ЦАНГОВЫЙ ПАТРОН ER С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAPINZA A DOPPIO CONTATTO TIPO ER
MADRINS DOUBLE CONTACT PORTE-PINCE ER
ER双向夹头

DIN69871 AD+B DOPPIO CONTATTO - DIN 6499



DOUBLE CONTACT

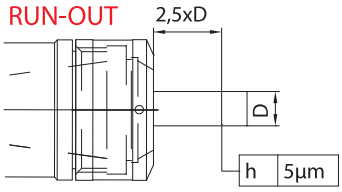


HIGH PRECISION LINE

STANDARD

	CODE N.	DESCRIPTION	ISO	L	D	ER	G2,5 30000
ISO40	214-37115	TC40H70ER16-HPDK	40	70	30	16	●
	214-37116	TC40H70ER25-HPDK	40	70	40	25	●
	214-37117	TC40H70ER32-HPDK	40	70	50	32	●
ISO 40	214-37118	TC40H100ER16-HPDK	40	100	30	16	●
	214-37119	TC40H100ER25-HPDK	40	100	40	25	●
	214-37120	TC40H100ER32-HPDK	40	100	50	32	●

RUN-OUT 2,5xD



Accessories
Accessori
Zubehör
Accessoires
Принадлежности
零件

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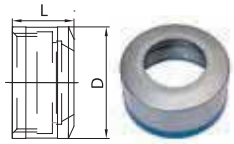
COLLETS ER TYPE

ER TYP SPANNZANGEN
PINZAS TIPO ER
НАБОРЫ ЦАНГ ER
PINZE TIPO ER
PINCES TYPE ER
ER 类型的夹头

CODE N.	D	L	ER
812-203085	30	19,5	16
812-203086	40	22	25
812-203087	50	25	32



WRENCHES FOR NUT

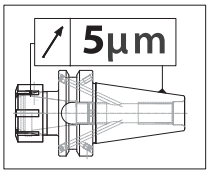
SPANNSCHLÜSSEL FÜR SPANNMUTTER
LLAVES PARA TUERCA
КЛЮЧИ ДЛЯ СТАНДАРТНЫХ ГАЕК
CHIAVI PER GHIERA
CLES DE SERRAGE POUR ECROU
标准螺母用扳手

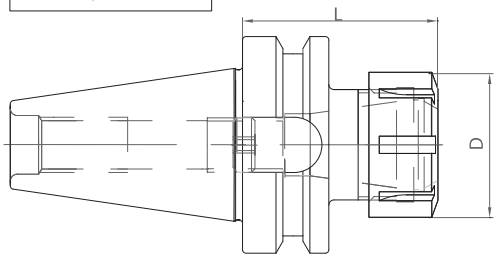
CODE N.	D	D1	ER
816-203069	30	3	16
816-203070	40	4	25
816-203071	50	4	32

DOUBLE CONTACT ER COLLET CHUCK

DOPPELKONTAKT AUFNAHMEN ER SPANNZANGENFUTTER
CONOS PORTAPINZAS TIPO ER DE DOBLE CONTACTO
ЦАНГОВЫЙ ПАТРОН ER С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAPINZA A DOPPIO CONTATTO TIPO ER
MADRINS DOUBLE CONTACT PORTE-PINCE ER
ER双向夹头

MAS 403/BT AD





CODE N.	DESCRIPTION	ISO	ER	D	L	G2,5 30000 RPM
214-37201	BT30H70ER16 AD	30	16	32	70	•
214-37202	BT30H70ER20 AD	30	20	35	70	•
214-37203	BT30H70ER25 AD	30	25	42	70	•
214-37204	BT30H70ER32 AD	30	32	50	70	•
214-37205	BT40H70ER16 AD	40	16	32	70	•
214-37206	BT40H70ER25 AD	40	25	42	70	•
214-37207	BT40H70ER32 AD	40	32	50	70	•
214-37208	BT40H70ER40 AD	40	40	63	70	•
214-37209	BT40H100ER16 AD	40	16	32	100	•
214-37210	BT40H100ER25 AD	40	25	42	100	•
214-37211	BT40H100ER32 AD	40	32	50	100	•
214-37212	BT40H100ER40 AD	40	40	63	100	•
214-37213	BT50H80ER32 AD	50	32	50	80	•
214-37215	BT50H100ER32 AD	50	32	50	100	•
214-37216	BT50H100ER40 AD	50	40	63	100	•
214-37217	BT50H160ER32 AD	50	32	50	160	•
214-37218	BT50H200ER32 AD	50	32	50	200	•

TAPE	SCREW ❸	QUANTITY	SCREW ❹	QUANTITY
ISO 40	811-102002 M4X5	2	811-102002 M4X5	2
ISO 50	811-102001 M4X4	2	811-102010 M5X6	2

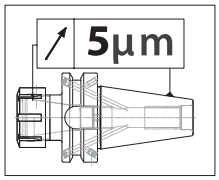
ER	NUT ❶	STOP SCREW ❷
16	812-203080	811-303119
20	812-203081	811-303120
25	812-203082	811-303121
32	812-203083	811-303118
40	812-203084	811-303122

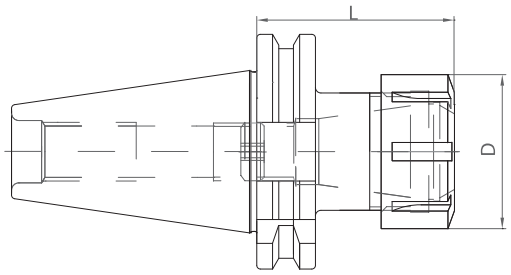
Spare parts • Componenti • Piezas de repuesto • Ersatzteile • Pièces détachées • Запасные части • 零件

DOUBLE CONTACT ER COLLET CHUCK

DOPPELKONTAKT AUFNAHMEN ER SPANNZANGENFUTTER
CONOS PORTAPINZAS TIPO ER DE DOBLE CONTACTO
ЦАНГОВЫЙ ПАТРОН ER С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAPINZA A DOPPIO CONTATTO TIPO ER
MADRINS DOUBLE CONTACT PORTE-PINCE ER
ER双向夹头

DIN 69871 AD





ER	NUT ❶
16	812-203080
20	812-203081
25	812-203082
32	812-203083
40	812-203084

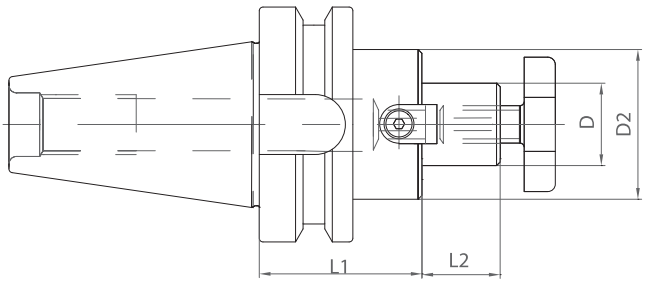
Code N.	DESCRIPTION	ISO	ER	D	L	G2,5 30000 RPM
214-37101	TC40H70ER16 AD	40	16	32	70	•
214-37102	TC40H70ER25 AD	40	25	42	70	•
214-37103	TC40H70ER32 AD	40	32	50	70	•
214-37104	TC40H70ER40 AD	40	40	63	70	•
214-37105	TC40H100ER16 AD	40	16	32	100	•
214-37106	TC40H100ER25 AD	40	25	42	100	•
214-37107	TC40H100ER32 AD	40	32	50	100	•
214-37108	TC40H100ER40 AD	40	40	63	100	•
214-37109	TC50H70ER32 AD	50	32	50	70	•
214-37110	TC50H80ER40 AD	50	40	63	80	•

DOUBLE CONTACT FACE MILL HOLDERS-TENONS DRIVE

DOPPELKONTAKT AUFNAHMEN AUFSTÄCKFRÄSDORNE
CONOS PORTAFRESAS DE DOBLE CONTACTO
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAFRESE A DOPPIO CONTATTO A TRASCINAMENTO FISSO
MADRINS DOUBLE CONTACT PORTE-FRAISE
双向铣刀柄

MAS 403/BT AD

CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G2,5 25000 RPM
216-77207	BT30H35D16 AD	30	16	35	17	38	•
216-77201	BT30H45D22F AD	30	22	45	19	48	•
216-77202	BT30H45D27F AD	30	27	45	21	60	•
216-77208	BT40H45D16F AD	40	16	45	17	38	•
216-77203	BT40H45D22F AD	40	22	45	19	48	•
216-77204	BT40H60D22F AD	40	22	60	19	48	•
216-77205	BT40H45D27F AD	40	27	45	21	60	•
216-77206	BT40H60D27F AD	40	27	60	21	60	•
216-77211	BT50H60D22F AD	50	22	60	19	48	•
216-77212	BT50H60D27F AD	50	27	60	21	60	•

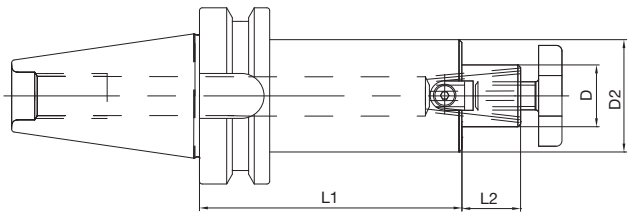


DOUBLE CONTACT FACE MILL HOLDERS-TENONS DRIVE

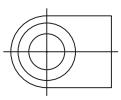
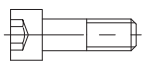
DOPPELKONTAKT AUFNAHMEN AUFSTÄCKFRÄSDORNE
CONOS PORTAFRESAS DE DOBLE CONTACTO
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAFRESE A DOPPIO CONTATTO A TRASCINAMENTO FISSO
MADRINS DOUBLE CONTACT PORTE-FRAISE
双向铣刀柄

MAS 403/BT AD

CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G2,5 25000 RPM
216-77214	BT40H100D16F AD	40	16	100	17	38	•
216-77215	BT40H100D22F AD	40	22	100	19	48	•
216-77216	BT40H100D27F AD	40	27	100	21	55	•
216-77217	BT40H100D32F AD	40	32	100	24	58	•
216-77218	BT40H100D40F AD	40	40	100	27	70	•



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

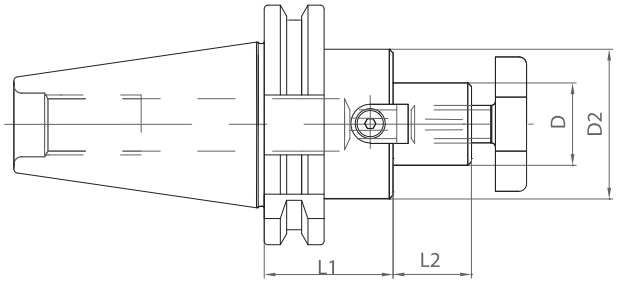
D	CROSS SCREW	TENON	SCREW	WRENCH
				
16	811-107003	814-202280	811-101004	816-130002
22	811-107004	814-202250	811-101011	816-130003
27	811-107005	814-202270	811-101018	816-130004
32	811-107006	814-202170	811-101027	816-130005
40	811-107007	814-202180	811-101028	816-130006

DOUBLE CONTACT FACE MILL HOLDERS-TENONS DRIVE

DOPPELKONTAKT AUFNAHMEN AUFSTÄCKFRÄSDORNE
CONOS TIPO PORTAFRESAS DE DOBLE CONTACTO
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAFRESE A DOPPIO CONTATTO A TRASCINAMENTO FISSO
MADRINS DOUBLE CONTACT PORTE-FRAISE
双向铣刀柄

DIN 69871 AD

CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G2,5 25000 RPM
216-77103	TC40H35D16F AD	40	16	35	17	38	•
216-77101	TC40H35D22F AD	40	22	35	19	48	•
216-77102	TC40H60D27F AD	40	27	60	21	58	•
216-77106	TC50H60D27F AD	50	27	60	21	58	•



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	CROSS SCREW	TENON	SCREW	WRENCH
	❶	❷	❸	
16	811-107003	814-202280	811-101004	816-130002
22	811-107004	814-202250	811-101011	816-130003
27	811-107005	814-202270	811-101018	816-130004
32	811-107006	814-202630	811-101029	816-130005
40	811-107007	814-202710	811-101029	816-130006

03

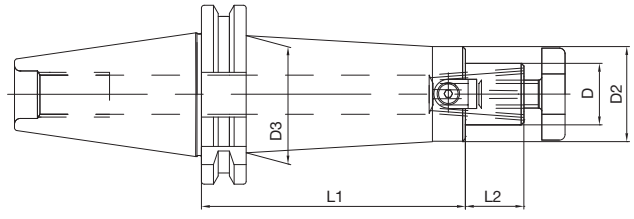
KINTEK

DOUBLE CONTACT FACE MILL HOLDERS-TENONS DRIVE

DOPPELKONTAKT AUFNAHMEN AUFSTÄCKFRÄSDORNE
CONOS TIPO PORTAFRESAS DE DOBLE CONTACTO
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAFRESE A DOPPIO CONTATTO A TRASCINAMENTO FISSO
MADRINS DOUBLE CONTACT PORTE-FRAISE
双向铣刀柄

DIN69871 AD

CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	D2	G2,5 25000 RPM
216-77107	TC40H100D16F AD	40	16	100	17	32	42	•
216-77108	TC40H100D22F AD	40	22	100	19	40	49	•
216-77109	TC40H100D27F AD	40	27	100	21	48	48	•



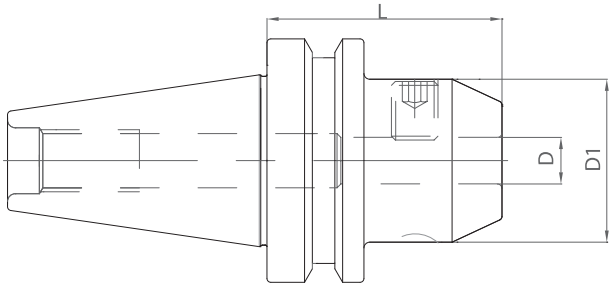
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	CROSS SCREW	TENON	SCREW	WRENCH
16	811-107003	814-202140	811-101003	816-130002
22	811-107004	814-202150	811-101010	816-130003
27	811-107005	814-202160	811-101017	816-130004

DOUBLE CONTACT END MILL HOLDERS WELDON

DOPPELKONTAKT AUFNAHMEN WELDON
CONOS TIPO WELDON DE DOBLE CONTACTO
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAFRESE A DOPPIO CONTATTO TIPO WELDON
MADRINS DOUBLE CONTACT WELDON
WELDON双向铣刀柄

MAS 403/BT AD

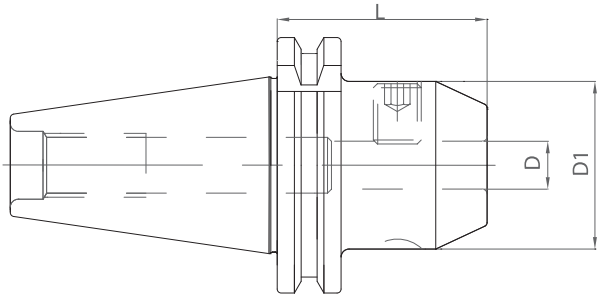


CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 15000 RPM
213-17225	BT30H60WE06 AD	30	6	60	25	•
213-17226	BT30H60WE08 AD	30	8	60	28	•
213-17227	BT30H60WE10 AD	30	10	60	35	•
213-17228	BT30H60WE12 AD	30	12	60	42	•
213-17229	BT30H75WE16 AD	30	16	75	48	•
213-17230	BT30H75WE20 AD	30	20	75	52	•
213-17231	BT30H90WE25 AD	30	25	90	65	•
213-17232	BT40H50WE06 AD	40	6	50	25	•
213-17233	BT40H50WE08 AD	40	8	50	28	•
213-17234	BT40H63WE10 AD	40	10	63	35	•
213-17235	BT40H63WE12 AD	40	12	63	42	•
213-17236	BT40H63WE16 AD	40	16	63	48	•
213-17238	BT40H63WE20 AD	40	20	63	52	•
213-17239	BT40H100WE25 AD	40	25	100	65	•
213-17240	BT40H100WE32 AD	40	32	100	72	•
213-17249	BT50H63WE06 AD	50	6	63	25	•
213-17250	BT50H63WE08 AD	50	8	63	28	•
213-17251	BT50H70WE10 AD	50	10	70	35	•
213-17252	BT50H80WE12 AD	50	12	80	42	•
213-17253	BT50H80WE16 AD	50	16	80	48	•
213-17255	BT50H80WE20 AD	50	20	80	52	•
213-17256	BT50H100WE25 AD	50	25	100	65	•
213-17257	BT50H105WE32 AD	50	32	105	72	•
213-17258	BT50H120WE40 AD	50	40	120	80	•

DOUBLE CONTACT END MILL HOLDERS WELDON

DOPPELKONTAKT AUFNAHMEN WELDON
CONOS TIPO WELDON DE DOBLE CONTACTO
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON С ДВОЙНЫМ КОНТАКТОМ
MANDRINI PORTAFRESE A DOPPIO CONTATTO TIPO WELDON
MADRINS DOUBLE CONTACT WELDON
WELDON双向铣刀柄

DIN 69871 AD



CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 15000 RPM
213-17113	TC40H50WE06 AD	40	6	50	25	•
213-17114	TC40H50WE08 AD	40	8	50	28	•
213-17115	TC40H63WE10 AD	40	10	50	35	•
213-17116	TC40H63WE12 AD	40	12	50	42	•
213-17117	TC40H63WE16 AD	40	16	63	48	•
213-17119	TC40H63WE20 AD	40	20	63	52	•
213-17120	TC40H100WE25 AD	40	25	100	65	•
213-17121	TC40H100WE32 AD	40	32	100	72	•
213-17126	TC50H63WE16 AD	50	16	63	48	•
213-17128	TC50H63WE20 AD	50	20	63	52	•
213-17129	TC50H80WE25 AD	50	25	80	65	•
213-17130	TC50H100WE32 AD	50	32	100	72	•
213-17131	TC50H120WE40 AD	50	40	120	80	•

MILLING CHUCK KITS

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 铣夹头组套

Kit Box: 1 milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino forte serraggio + 1 serie pinze + 1 chiave
Contenido del set: 1 Cono de gran apriete + 1 Juego de pinzas + 1 Llave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Boîte d'équipement: 1 mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 патрон + 1 набор цанг + 1 ключ
组件盒: 1 个铣夹头 + 1 个夹头套装 + 1 个扳手

	CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
ISO 40	KIT BT40 C20DK	N°1 BT40 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT40 C32DK	N°1 BT40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC40 C20DK	N°1 TC 40 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC40 C32DK	N°1 TC 40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT BT50 C20DK	N°1 BT50 L105 C20 + n°5 pinze K20: 6,8,10,12,16
	KIT BT50 C32DK	N°1 BT50 L105 C32 + n°7 pinze K32: 6,8,10,12,16,20,25

MILLING CHUCK

KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE DE DOBLE CONTACTO MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

MAS 403/BT A

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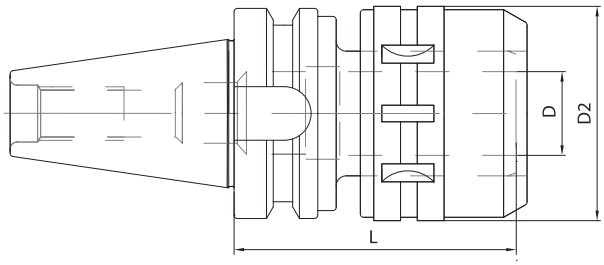
Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件



CODE N.	DESCRIPTION	ISO	D	D2	L	G6,3 12000 RPM
214-07201	BT40H105C20	40	20	54	105	●
214-07202	BT40H105C32	40	32	72	105	●

MILLING CHUCK

KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE DE DOBLE CONTACTO MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

DIN 68971

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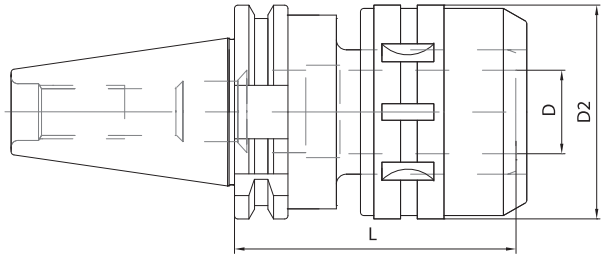
Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

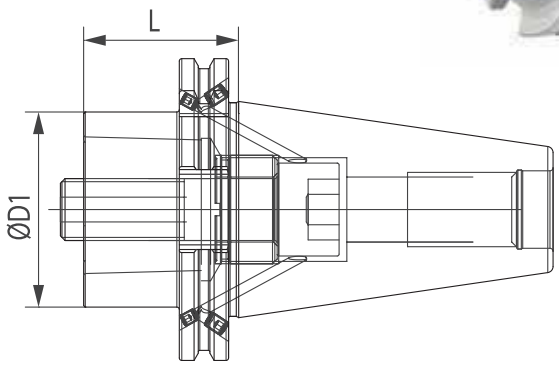


CODE N.	DESCRIPTION	ISO	D	D2	L	G6,3 12000 RPM
214-07101	TC40H105C20	40	20	54	105	●
214-07102	TC40H105C32	40	32	72	105	●

REDUCTION ISO 40/50 DIN69871-AD/B – POLYGONAL SHANK

REDUKTION SK 40/50 DIN69871 MIT POLYGONSCHAFT
REDUCCION DE DOBLE CONTACTO ISO 40/50 DIN 69871-AD/B CON SALIDA A SUJECION POLIGONAL
ПЕРЕХОДНИКИ С ISO 40/50 DIN69871-AD/B НА EPS
RIDUZIONE ISO 40/50 DIN 69871-AD/B PER ATTACCO POLIGONALE
REDUCTION ISO 40/50 DIN69871 AVEC ATTACHEMENT POLYGONALE
DIN69871-AD/B多边形缩减柄

DIN ISO 26623-1 - DIN 69871

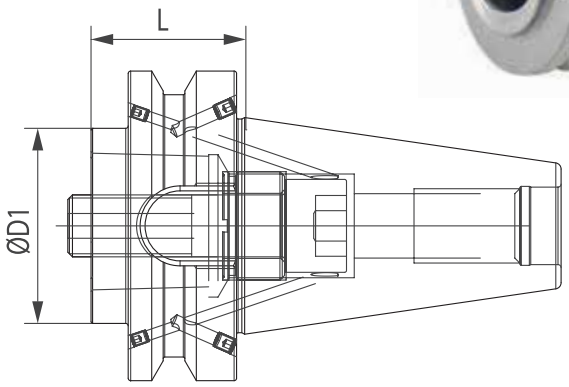


CODE N.	ATTACCO SHANK	D1 mm	L mm
TC40H50C50DK	40DIN69871 AD/B	50	50
TC40H85C63DK	40DIN69871 AD/B	63	85
TC50H60C40DK	50DIN69871 AD/B	40	60
TC50H30C50DK	50DIN69871 AD/B	50	30
TC50H70C50DK	50DIN69871 AD/B	50	70
TC50H50C63DK	50DIN69871 AD/B	63	50
TC50H100C63DK	50DIN69871 AD/B	63	100
TC50H120C80DK	50DIN69871 AD/B	80	120

REDUCTION BT40/50-AD/B – POLYGONAL SHANK

REDUKTION BT40/50-AD/B MIT POLYGONSCHAFT
REDUCCION DE DOBLE CONTACTO BT 40/50-AD/B CON SALIDA A SUJECION POLIGONAL
ПЕРЕХОДНИКИ С BT40/50-AD/B НА DIN
RIDUZIONE BT40/50-AD/B CON ATTACCO POLIGONALE
REDUCTION BT40/50-AD/B AVEC ATTACHEMENT POLYGONALE
BT40/50-AD/B 多边形缩减柄

DIN ISO 26623-1 - JIS-B 6339 MAS 403/BT

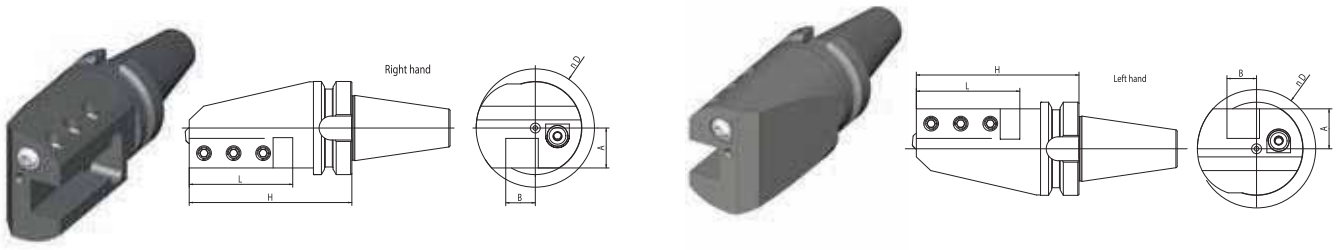


CODE N.	ATTACCO SHANK	D1 mm	L mm
BT40H40C40DK	40MAS403/BT AD/B	40	40
BT40H50C50DK	40MAS403/BT AD/B	50	50
BT40H75C63DK	40MAS403/BT AD/B	63	75
BT50H70C40DK	50MAS403/BT AD/B	40	70
BT50H40C50DK	50MAS403/BT AD/B	50	40
BT50H80C50DK	50MAS403/BT AD/B	50	80
BT50H50C63DK	50MAS403/BT AD/B	63	50
BT50H100C63DK	50MAS403/BT AD/B	63	100
BT50H70C80DK	50MAS403/BT AD/B	80	70
BT50H120C80DK	50MAS403/BT AD/B	80	120

DOPPELKONTAKT VIERKANTWERKZEUGHALTER

DOPPELKONTAKT DREIFACH-VIERKANTWERKZEUGHALTER
PORTABARENO QUADRO DOPPIO CONTATTO
PORTABARRAS PARA CUADRADILLO DE DOBLE CONTACTO
PORTE OUTIL CARRÉ À DOUBLE CONTACT
ОПРАВКА ДК С КВАДРАТОМ
双触面方形刀柄

MAS 403/BT

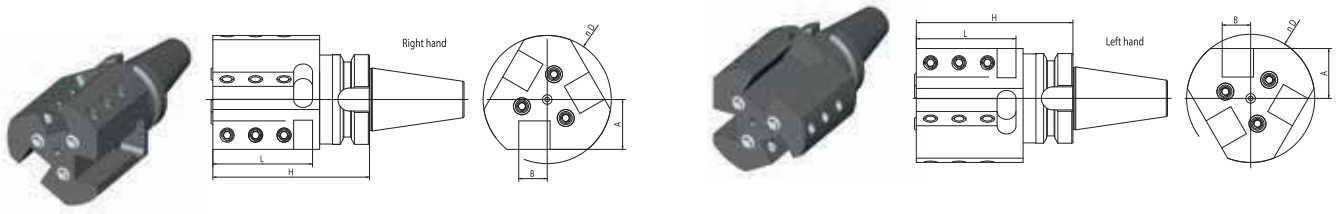


CODE N.	DESCRIPTION	ISO	B	H	L	A	D
152-11512	BT50H140-2525R	50	25	140	90	50	120
152-21504	BT50H140-2525L	50	25	140	90	50	120

DOUBLE CONTACT TRIPLE SQUARE TOOLHOLDER

DOPPELKONTAKT DREIFACH-VIERKANTWERKZEUGHALTER
PORTABARENO TRIPLO DOPPIO CONTATTO
PORTABARRA PARA CUADRADILLO DE DOBLE CONTACTO
PORTE OUTIL CARRÉ À DOUBLE CONTACT TRIPLE
ОПРАВКА ДК С ТРОЙНЫМ КВАДРАТОМ
双触面三方刀柄

MAS 403/BT

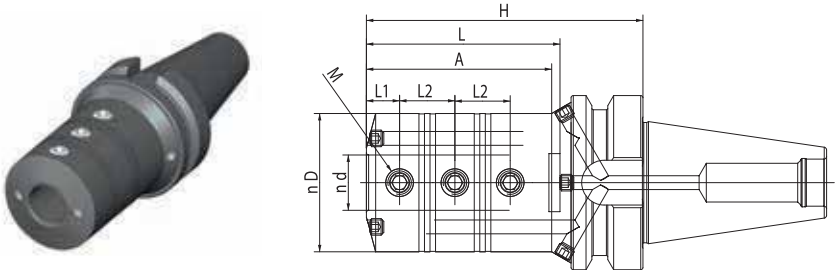


Code N.	DESCRIPTION	ISO	B	H	L	A	D
152-11514	BT50H140-3X2525R	50	25	140	90	50	120
152-21506	BT50H140-3X2525L	50	25	140	90	50	120

DOUBLE CONTACT BORING BAR HOLDER

DOPPELKONTAKT BOHRSTANGENHALTER
PORTABARENO DOPPIO CONTATTO
PORTABARRA PARA CUADRADILLO DE DOBLE CONTACTO
PORTE OUTIL POUR BARRES D'ALESAGES À DOUBLE CONTACT
ОПРАВКА ДК ДЛЯ РАСТОЧНЫХ РЕЗЦОВ
双触面镗刀柄

MAS 403/BT



CODE N.	DESCRIPTION	ISO	d	D	H	L1	L2	L	A	M	PlugA	PlugB
155-21527	BT50H120D25BSL	50	25	55	120	14	23	74	70	M12x1,5	M8x8	M6x5
155-21528	BT50H125D32BSL	50	32	64	125	16	26	83	80	M12x1,5	M8x8	M6x5

ASSEMBLY SUPPORTS

MONTAGEBLOCK SUPPORTO DI MONTAGGIO
SOPORTE DE MONTAJE SUPPORTS D'ASSEMBLAGE
СТОЙКА ДЛЯ СБОРКИ ИНСТРУМЕНТА 支撑组件

It is very useful for all assembly and disassembly operations of the tools on the toolholders, either in horizontal or in vertical position. This process is carried out without any risk to damage casually the tool or the toolholder. It is a very simple system suitable for monolithic toolholders.

Consente di effettuare tutte le operazioni di montaggio e smontaggio degli utensili sui mandrini, sia in orizzontale che in verticale. Questi procedimenti avvengono con razionalitá, sicurezza, rapiditá e senza alcun rischio di danneggiare il mandrino o l'utensile. È il sistema che offre la massima semplicitá d'uso per i mandrini monolitici.

Permite efectuar todas las operaciones de montaje y desmontaje de las herramientas sobre los conos, tanto en horizontal como en vertical. Esos procedimientos se realizan con seguridad, rapidez y sin algún riesgo de dañar el cono o la herramienta. Es un sistema que ofrece la máxima simplicidad de uso para los conos.

Dieses unkompliziertes System erlaubt die schnelle und sichere Montage und Demontage von Steilkegelaufnahmen in horizontaler und vertikaler Lage. Das Risiko der Werkzeugbeschädigung ist ausgeschlossen. Dieses einfache und sichere System eignet sich für alle Steilkegelaufnahmen.

Il permets d'effectuer toutes les opérations de montage / assemblage / démontage des outils sur les mandrins. Ces proces se déroulent avec rationalité, sureté, vitesse et sans aucun risque d'endommagement accidentel du mandrin ou de l'outil. C'est un systéme qui offre la plus haute simplicité d'usage et il est bien indiqué pour les mandrin monolitiques.

Приспособление очень удобно для операций сборки и демонтажа инструмента, как в вертикальном, так и в горизонтальном положении. Оно позволяет избежать повреждения оправок или режущего инструмента. Это простое приспособление подходит для монолитных оправок.

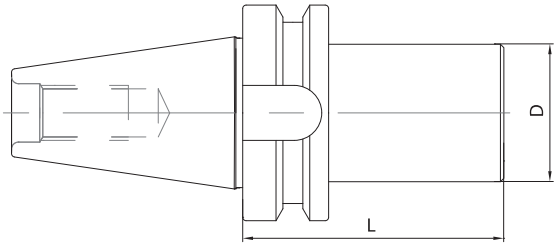
它对于所有将工具以垂直或水平方向安装在刀柄上和从刀柄上拆除，均非常有用。这一过程的执行不会对工具或刀柄产生任何破坏的风险。这一非常简单的系统适用于整体式刀柄。

CODE N.	ISO	ATTACK
237-33320	40	DIN 69871-DOUBLE CONTACT
237-33520	50	DIN 69871-DOUBLE CONTACT
237-33120	30	MAS 403/BT-DOUBLE CONTACT
237-33330	40	MAS 403/BT-DOUBLE CONTACT
237-33530	50	MAS 403/BT-DOUBLE CONTACT

BLANK TOOLHOLDER WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT MANDRINI SEMILAVORATI A STELO TENERO
CONOS SEMIACABADOS BARRES D'ALESAGE SEMI-FINIES
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ 带软柄的切断刀柄

MAS BT



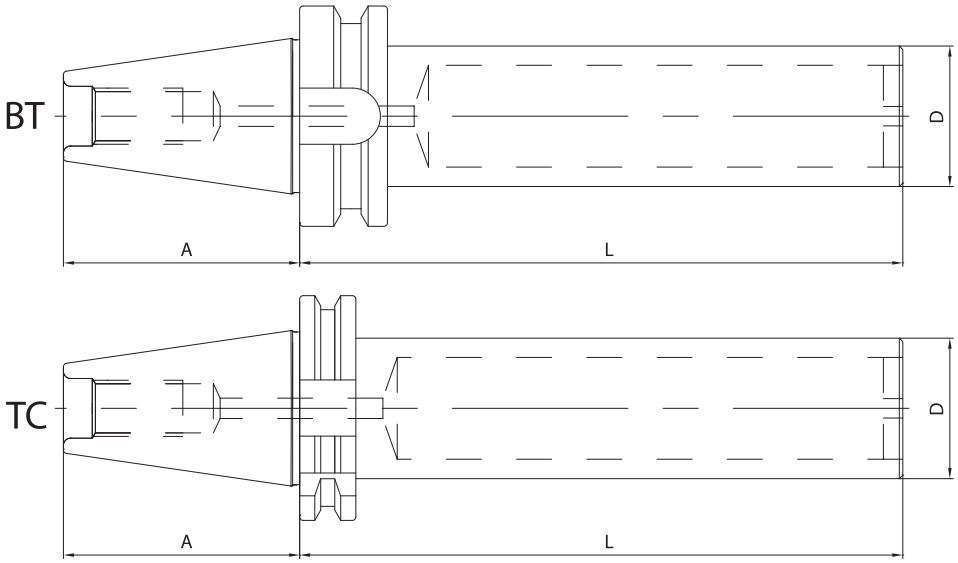
HRC26-28

CODE N.	DESCRIPTION	ISO	D	L
217-47202	BT40H160D63.5SM	40	63.5	160

CONTROL PINS

PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTROLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

DIN 69871 A - MAS 403BT



CODE N.	DESCRIPTION	ISO	D	L	A
217-77204	BT40H300D40BCDK	40	40	300	66,4
217-77205	BT50H350D50BCDK	50	50	350	103,3
217-77101	TC40H300D40BCDK	40	40	300	69,4
217-77102	TC50H350D50BCDK	50	50	350	103,25

SUPPLIED IN ALUMINUM SUITCASE AND WITH TEST CERTIFICATE.
FORNITE IN VALIGETTA IN ALLUMINIO E CON CERTIFICATO DI COLLAUDO.
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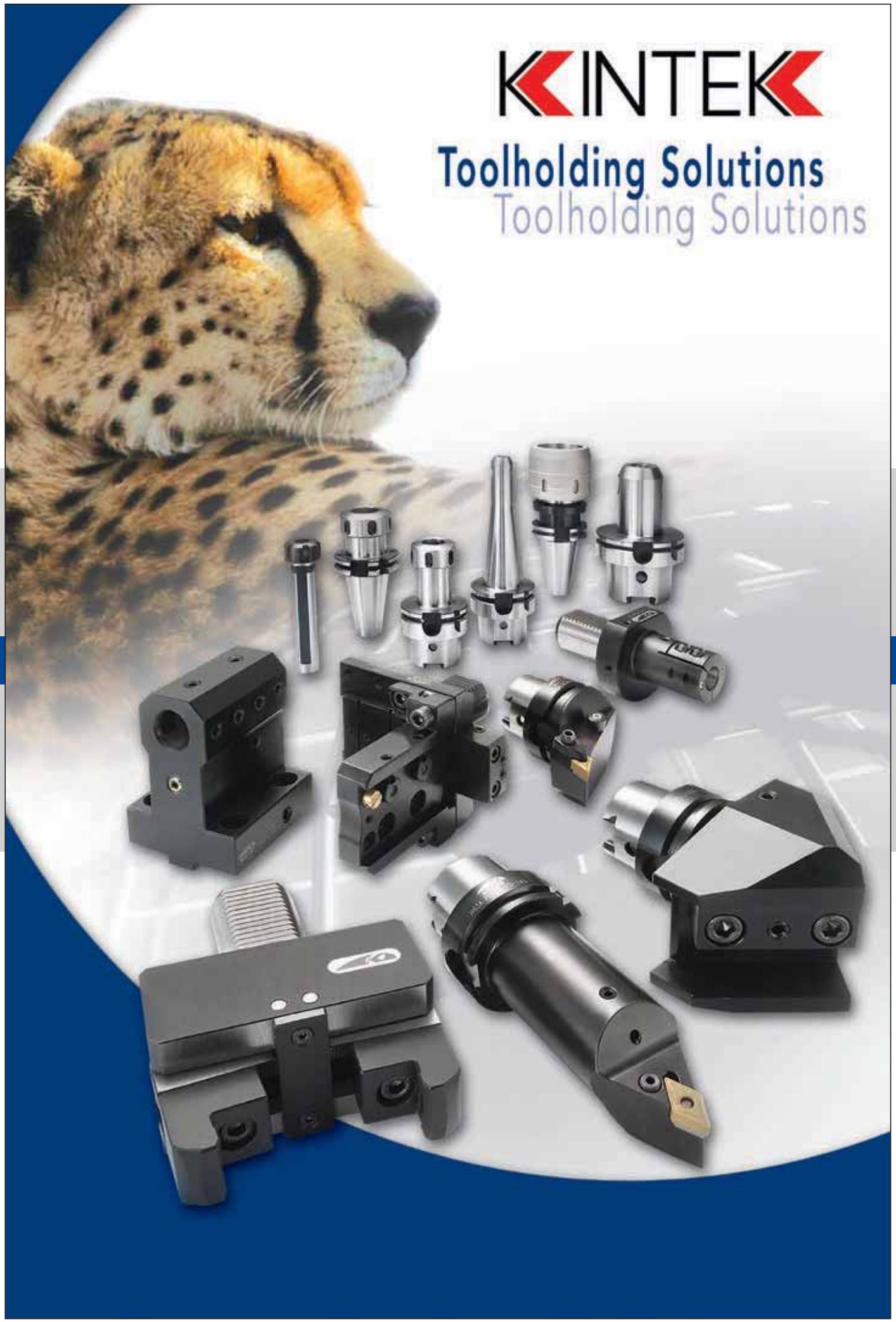
ПОСТАВЛЯЮТСЯ В АЛЮМИНИЕВОМ ЯЩИКЕ С СЕРТИФИКАТОМ СООТВЕТСТВИЯ.
提供铝盒包装和检验报告

MAIN PRODUCTION PLANT - KINTEK TOOLING KFT - BEKESCSABA - HUNGARY


KINTEK
Toolholding Solutions
Toolholding Solutions

KINTEK®

INSPECTION GAUGES

ELEMENTI DI CONTROLLO

www.kintek.it

INSPECTION GAUGES

ELEMENTI DI CONTROLLO

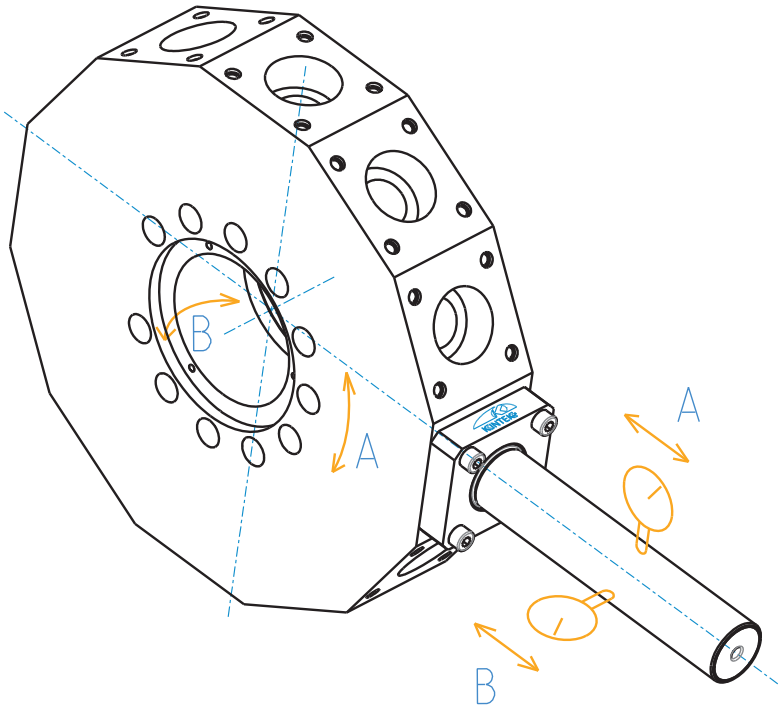
MESSTECHNIK

ELEMENTOS DE CONTROL

EQUIPEMENTS DE CONTRÔLE

ПРИБОРЫ КОНТРОЛЯ

检控元件



- Control pin for CNC lathes turret with test certificate included.
- Radial runout/ attachment precision, contact face and control cylinder within 0,003 µ.
- Application: after having set it up in any turret station like a normal tool holder, you can check its orthogonality by moving the dial indicator along the X axis of the machine.

- Barra di controllo per disco portautensili per torni CNC con certificato di controllo allegato.
- Eccentricità / Precisione per attacco, facciata di contatto e cilindro di controllo entro 0,003 µ.
- Sistema d'impiego: dopo averla montata come un normale portautensile in una stazione a scelta, si può controllare l'ortogonalità della stessa facendo scorrere un indicatore millesimale lungo l'asse X della macchina.

- Prüfdorne für CNC-Drehmaschinenrevolver inklusiv des Messprotokolls.
- Exzentrizität / Aufnahmepräzision, Kontaktfläche und Kontrollzylinder innerhalb 0,003 µ.
- Anwendung: nachdem Sie die Prüfdorne in eine beliebige Revolverstation wie ein normaler Werkzeughalter eingespannt haben, können Sie deren Rechtwinkligkeit prüfen, indem Sie die Messuhr entlang der X-Achse der Maschine bewegen.

- Barra de control para torreta de tornos CNC con certificado de calidad adjunto.
- Concentricidad / Precisión de sujeción, superficie de contacto y el cilindro de control dentro de 0,003 µ.
- Aplicación: tras haberla montada en cualquier estación como un portaherramientas normal, se puede verificar la perpendicularidad de la misma, deslizando el indicador de medida a lo largo del eje ''X'' de la máquina.

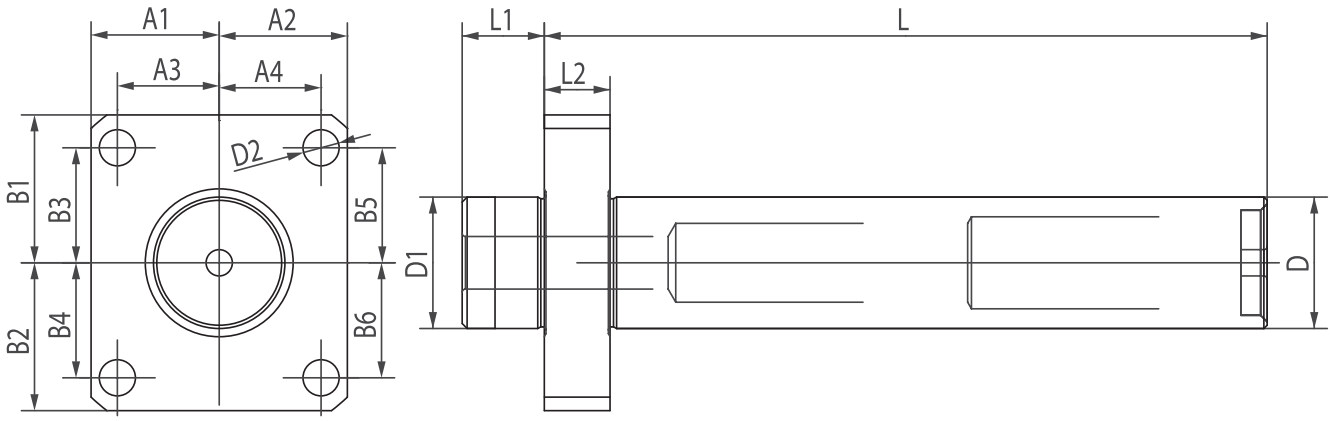
- Barre de contrôle pour tour revolver CNC avec certificat de contrôle inclus.
- Excentricité / Précision de l'attachement, surface de contact et cylindre de contrôle dans 0,003 µ.
- Emploi: après l'avoir montée dans n'importe quelle station comme un porte-outil normal, vous pouvez vérifier son orthogonalité en déplaçant l'indicateur de mesure sur l'axe X de la machine.

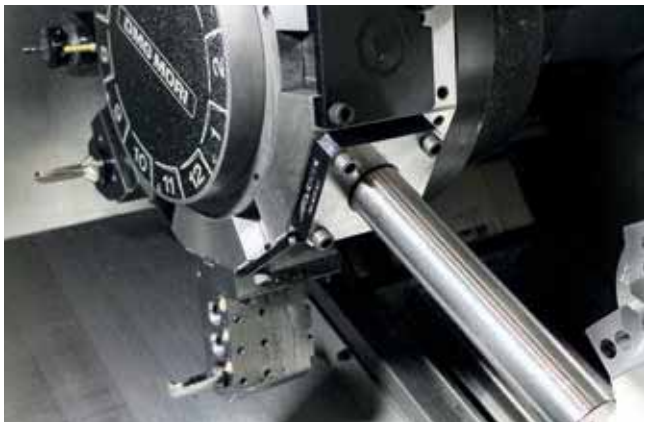
- Контрольная оправка для токарных станков CNC с сертификатом соответствия
- Точность биения, контактная поверхность и контрольный цилиндр в пределах 0,003 µ
- Инструкция к применению: после закрепления на станке, контролировать ортогональность цилиндра, двигая индикатор вдоль оси X.

- 用于数控机床刀具转盘上的检控销,配备检测报告
- 接口,接触面和检测的圆柱面的偏心率/精度小于0,003 µ
- 使用方法:如同常用刀具那样安装在需要检测的刀位上后,即可通过机轴上滑动千分指标检测其正交性

CONTROL PINS

PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTRÔLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒





DMG MORI CTX310ECO-BMT / NZ1500 / NZ2000 — BMT40

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00193	40	220	40	11	25	20	39	39	31	31	45	45	35	35	35	35

DMG MORI NLX1500-NLX2000 / NLX2500-NLX3000 NL2000 (S)MC-2500 (S)MC / NL3000MC (12 STATIONS) — BMT60

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00194	50	300	60	13	30	25	54	54	42	42	59	59	47	47	47	47

OKUMA LB2000 EX (M, MY) / LB2500 EX (M) LB3000 EX (M, MY) / LB3000 EX (MW, MYW) — BMT60

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00195	50	300	60	13	30	25	47,5	47,5	36,5	36,5	50	50	26	39	39	26

OKUMA LB4000 EX (M, MY) — BMT60

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00196	50	300	60	13	30	25	50	50	39	39	55	55	40	40	40	40

CONTROL PINS
PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTRÔLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

DOOSAN (BMT45) LYNX 220LM

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00197	40	220	45	9	25	20	37,5	37,5	29	29	40	40	29	29	29	29

DOOSAN (BMT55) PUMA230-240M/MS-280LM-1500-2000-2500M/MS/S/SY 2100 SERIE-TT1500-TT1800MS/SY / TL2000-2500LM-MX1600/2100TS / LYNX 300M

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00198	40	220	55	11	30	20	42,5	42,5	32	32	50	50	32	32	32	32

DOOSAN (BMT65) PUMA300M/MS-V400M-TT2000SY-TT2500SY TT2500MS-2600/3100 SERIE / MX2000ST-MX2500T/ST/LST-VT450/TM INVERTURN 3000M

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00199	50	300	65	13	30	25	47,5	47,5	36,5	36,5	55	55	35	35	35	35

DOOSAN (BMT75) PUMA400-480M/LM/XLM-VT 750M/TM

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00200	50	300	75	13	30	25	56	56	45	45	57,5	57,5	45	45	45	45

MAZAK QTS200M

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00201	40	225	68	9	25	25	42	42	34	34	55	75	45	65	45	65

MAZAK QTS300M

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00202	50	325	80	11	27	25	50	50	36	36	74,5	100	60	85	60	85

BIGLIA B301/445/470/501(Y-S)/510/545/550/565/650/658 1200/446/465/745/765-B750/1250 16 ST BV210/315

CODE N.	D	L	D1	D2	L1	L2	A1	A2	A3	A4	B1	B2	B3	B4	B5	B6
137-00209	40	220	55	11	30	20	42	42	31,5	31,5	45	45	32,5	32,5	32,5	32,5

SUPPLIED IN ALUMINUM SUITCASE AND WITH TEST CERTIFICATE.

FORNITE IN VALIGETTA IN ALLUMINIO E CON CERTIFICATO DI COLLAUDO.

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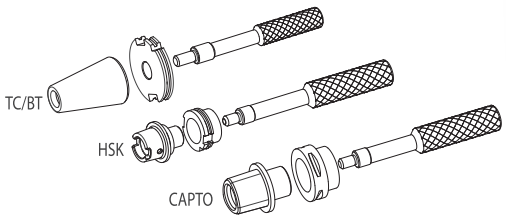
ПОСТАВЛЯЮТСЯ В АЛЮМИНИЕВОМ ЯЩИКЕ С СЕРТИФИКАТОМ СООТВЕТСТВИЯ.

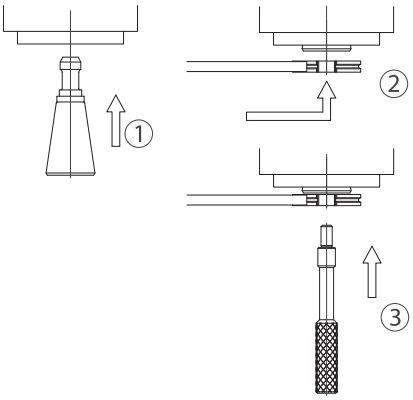
提供铝盒包装和检验报告

POSITIONING CONTROL OF THE TOOL CHANGER ARM

POSITIONSPRÜFUNG DES WERKZEUGWECHSLERS
CONTROL DE POSICION DEL BRAZO PARA EL CAMBIO DE HERRAMIENTAS
ПРИБОР ДЛЯ КОНТРОЛЯ ПОЗИЦИОНИРОВАНИЯ ЗАХВАТЧИКА ДЛЯ СМЕНЫ ИНСТРУМЕНТА
CONTROLLO POSIZIONE BRACETTO CAMBIO UTENSILE
CONTROLE DU POSITIONNEMENT DU BRAS CHANGEUR D'OUTIL
刀具更换臂的定位装置

CODE	CONE
KIT.PRUEFD-BT30	BT30
KIT.PRUEFD-TC40	TC40
KIT.PRUEFD-TC50	TC50
KIT.PRUEFD-BT40	BT40
KIT.PRUEFD-BT50	BT50
KIT.PRUEFD-H50A	HSK50A
KIT.PRUEFD-H63A	HSK63A
KIT.PRUEFD-H100A	HSK100A
KIT.PRUEFD-C6	C63





1 Après le montage de la tirette, insérez manuellement le cône dans le mandrin de la machine.

2 Montez la bride dans le bras changeur d'outil et rapprochez de la machine.

3 Après le positionnement, essayez d'insérer la barre de contrôle à double diamètre entre les deux pièces. Ajustez le bras en conséquence jusqu'à ce que vous obtenez la coaxialité parfaite quand la barre entre sans interférences dans les trous de la bride et du cône.

1 After assembling the usual pull stud,insert the cone into the spindle manually.

2 Set up the flange into the tool changer arm and go closer to the spindle.

3 After positioning, try to insert the double-diameter control pin between the two pieces. Adjust the arm accordingly until you get the perfect coaxiality so that the control bar enters the flange and the cone holes with no interferences.

1 给接头装上拉钉后，手动将接头插入设备的轴上

2 将法兰装到刀具更换臂上并靠近机器设备的轴

3 对好位置后，设法将双径控制销插入法兰和接头中。
相应调整更换臂的位置至更换臂没有间隙地插入法兰孔和接头直至得到完美的精度

1 Inserire manualmente il cono nel mandrino della macchina, dopo aver montato il codolo normalmente usato.

2 Montare la flangia nel bracetto cambia utensile ed avvicinarsi al naso macchina.

3 Una volta in posizione provare ad inserire la spina di controllo a doppio diametro tra i 2 pezzi. Regolare di consequenza il braccetto cambia utensile fino a raggiungere la perfetta coassilitá quando la spina entra senza interferenze nei fori della flangia e del cono.

1 Nach der Montage der üblichen Anzugsbolzen spannen Sie die Aufnahme manuell in die Spindel.

2 Spannen Sie den Flansch in den Werkzeugwechsler Arm und gehen Sie näher an der Spindel.

3 Nach der Positionierung versuchen Sie, die Doppel-Durchmesser-Prüfdorne zwischen den beiden Stücken einzusetzen. Stellen Sie den Arm entsprechend ein, bis Sie die perfekte Rundlaufgenauigkeit bekommen, wenn die Dorne in die Bohrungen des Flansches und der Aufnahme ohne Übermaß hineingeht.

1 Tras haber montado el tirante, insertar manualmente el cono en el cabezal de la máquina.

2 Montar la brida en el brazo para el cambio de herramientas y acercarse al mandril.

3 Una vez colocado, insertar la barra de control de doble diámetro entre las 2 piezas. Ajustar en consecuencia el brazo, para el cambio de herramientas, hasta alcanzar la perfecta concentricidad cuando la barra entre sin interferencias en los agujeros de la brida y del cono.

1 После установки штревеля, вставить вручную конус в шпиндель

2 Установить фланец в устройство для автоматической смены инструмента

3 После установки, вставить двухдиаметровый штифт управления между двумя частями.
Отрегулировать устройство для автоматической смены инструмента до идеальной соосности.

KIT-CONTROL PIN + POSITIONING CONTROL OF THE TOOL CHANGER ARM

KIT-PRÜFDORNE + POSITIONSPRÜFUNG DES WERKZEUGWECHSLERS
SET-BARRA DE CONTROL + CONTROL DE POSICION DEL BRAZO PARA EL CAMBIO DE HERRAMIENTA
НАБОР- КОНТРОЛЬНЫЙ ЦИЛИНДР + ЗАХВАТ ДЛЯ ИНСТРУМЕНТАЛЬНОГО МАГАЗИНА
KIT-BARRA DI CONTROLLO + ATTREZZO DI CONTROLLO POSIZIONE BRACCETTO CAMBIO UTENSILE
KIT-BARRE DE CONTRÔLE + CONTROLE DU POSITIONNEMENT DU BRAS CHANGEUR D'OUTIL
测试棒和刀具更换臂定位装置的套装

CODE N.	CONO	BARRA
KIT-BT30-CP-PR	BT30	TC30/BT30H200D30BC
KIT-TC40-CP-PR	TC40	TC40H300D40BC
KIT-BT40-CP-PR	BT40	BT40H300D40BC
KIT-HSK63-CP-PR	HSK63	HSK63AH346D40BC
KIT-C63-CP-PR	C63	C63H346D40BC

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提供铝盒包装和检验报告

CONTROL PINS

CONE'S TOLERANCE

According to the class AT3.

PIN'S TOLERANCE

DIAMETER	RUNOUT ACCURACY	CILINDRICITY
+/-0.05	0.005	0.003

TECHNICAL FEATURES

CONSTRUCTIVE FEATURES

- Manufactured with casehardening Steel
- Casehardened with depth 0,6 - 0,8 mm
- Hardened - Tempered - Black oxided
- Hardness HRC 58+-2, Strength 800-100 N/mm2
- External grinding finish
- Tested 100% with certified measuring instruments

BARRE DI CONTROLLO

TOLLERANZA DEL CONO

Prodotti in classe AT3.

TOLLERANZE DELLA BARRA

DIAMETRO	COASSIALITÀ	CILINDRICITÀ
+/-0.05	0.005	0.003

DATI TECNICI

DATI COSTRUTTIVI

- Costruite in acciaio da cementazione certificato e legato
- Cementate con profondità 0,6 - 0,8 mm
- Temprate-rinvenute-brunite
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Finitura di rettifica esterna
- Collaudate 100% con strumenti di misura certificati

PRÜFDORNE

KEGELSCHAFTTOLERANZEN

In Klasse AT3 angefertigt

PRÜFDORNTOLERANZEN

DURCHMESSER	RUNDLAUFGENAUIGKEIT	ZYLINDRIZITÄT
+/-0.05	0.005	0.003

TECHNISHE DATEN

KONSTRUKTIONSDATEN

- aus Einsatzstahl zertifiziert und legiert angefertigt
- in der Einsatztiefe von 0,6-0,8 mm
- Gehärtet, angelassen, brüniert
- Härte HRC58 +-2, Festigkeit 800-1000 N/ mm2
- Außgeschlieffen
- 100% durch zertifizierte Meßinstrumente geprüft

BARRAS DE CONTROL

CARACTERISTICAS TECNICAS

TOLERANCIA DEL CONO

PRODUCIDOS EN CLASE AT3

TOLERANCIAS DE LA BARRA

DIAMETRO	CONCENTRICIDAD	CILINDRICIDAD
+/-0.05	0.005	0.003

CARACTERISTICAS DE CONSTRUCCION

- Fabricado con acero de cementación
- Capa de cementado con 0,6 – 0,8 mm
- Endurecido – Templado – Pavonado
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Acabado exterior rectificado
- Testado 100% y con certificado de calidad

BARRES DE CONTROLE

DONNEES TECHNIQUES

TOLERANCE DU CONE

FABRIQUEES EN CLASSE AT3

TOLERANCE DE LA BARRE

DIAMÈTRE	COAXIALITÉ	CYLINDRICITÉ
+/-0.05	0.005	0.003

ELEMENTS DE CÔNSTRUCTION

- Produites en acier cémenté certifié et allié au Ni.Cr.Mo.
- Cementeés avec profondeur 0,6 - 0,8 mm
- Trempées - Revenues - Brunies
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Finition de rectification extérieure
- Contrôlées à 100% avec des instruments de mesure certifiés

КОНТРОЛЬНЫЕ ОПРАВКИ

ТЕХНИЧЕСКОЕ ОПИСАНИЕ

ТОЧНОСТЬ КОНУСА

СООТВЕТСТВУЕТ КЛАССУ AT3.

ТОЧНОСТЬ ЦИЛИНДРА

DIAMETER	RUNOUT ACCURACY	CILINDRICITY
+/-0.05	0.005	0.003

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ

- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,6 - 0,8 мм
- Оправки подвергнуты закалке и отпуску. Защитно-декоративное покрытие черного цвета.
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Шлифованная внешняя поверхность
- Каждая оправка испытана на сертифицированном оборудовании

测试棒

技术特点

锥体的误差

符合 AT3 级别。

插销的误差

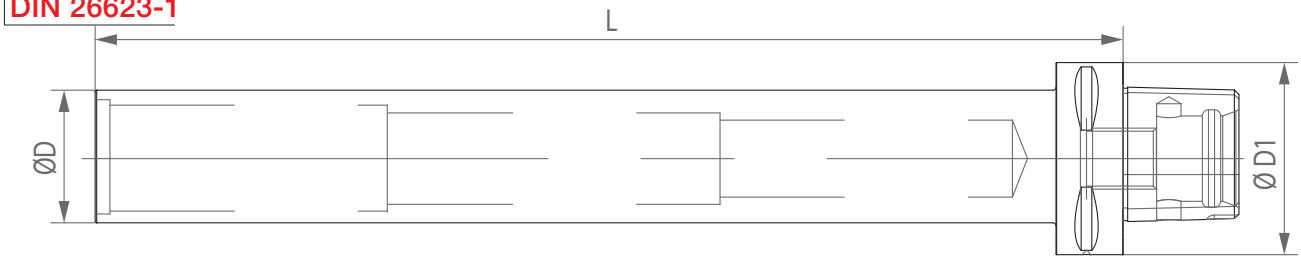
DIAMETER	RUNOUT ACCURACY	CILINDRICITY
+/-0.05	0.005	0.003

结构特点

- 用表面硬化钢材制造。
- 硬化深度达 0,6 - 0,8 毫米。
- 经过硬化及回火处理。黑色氧化。
- 硬度达 HRC 58+-2 强度达 800-1000 N / 平方毫米。
- 外部表面打磨处理。
- 100% 使用经过认证的测量仪器检测。

CONTROL PINS
PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTROLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

DIN 26623-1



CODE N.	ATTACCO SHANK	D1	D	L
C40H300D35BC	C40	40	35	300
C50H300D40BC	C50	50	40	300
C63H160D35BC	C63	63	35	160
C63H180D40BC	C63	63	40	180
C63H346D40BC	C63	63	40	346
C80H346D40BC	C80	80	40	346

SUPPLIED IN ALUMINUM SUITCASE AND WITH TEST CERTIFICATE.
FORNITE IN VALIGETTA IN ALLUMINIO E CON CERTIFICATO DI COLLAUDO.
IM ALUMINIUMKOFFER UND MIT MESSPROTOKOLL GELIEFERT.
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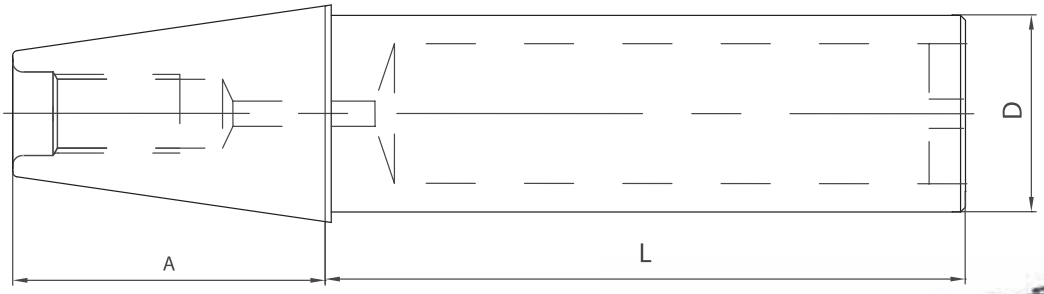
提供铝盒包装和检验报告

04

KINTEK

CONTROL PINS
PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTROLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

DIN 69871 A - DIN 2080 - MAS 403BT



CODE N.	DESCRIPTION	ISO	D	L	A
217-71506	TC30/BT30H200D30BC	30	30	200	48,4
217-71507	BT40H300D40BC	40	40	300	65,4
217-71201	TC40H300D40BC	40	40	300	68,4
217-71202	TC50/BT50H350D50BC	50	50	350	101,75

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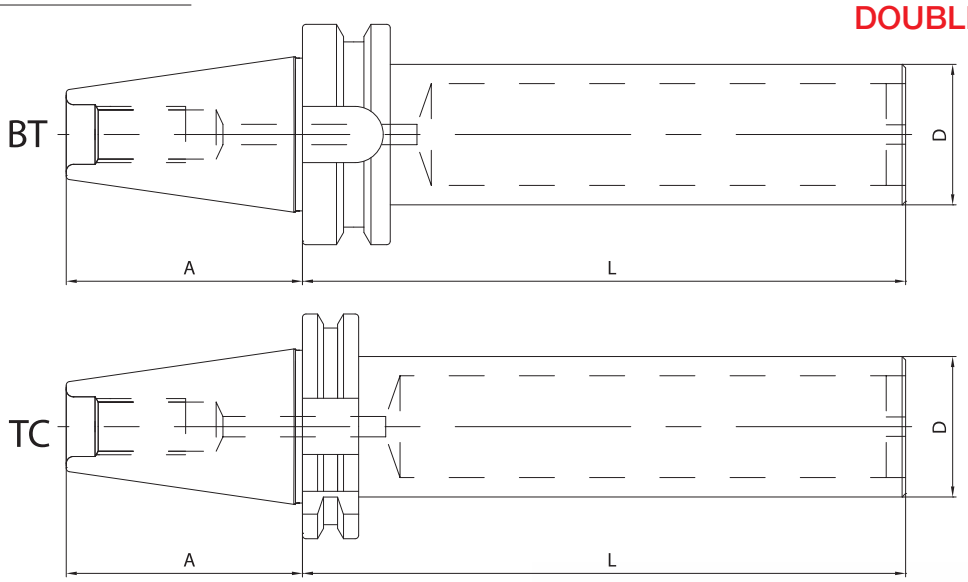
CONTROL PINS
PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTROLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

DIN 69871 A - MAS 403BT

DOUBLE CONTACT



CODE N.	DESCRIPTION	ISO	D	L	A
217-77204	BT40H300D40BCDK	40	40	300	66,4
217-77205	BT50H350D50BCDK	50	50	350	103,3
217-77101	TC40H300D40BCDK	40	40	300	69,4
217-77102	TC50H350D50BCDK	50	50	350	103,25

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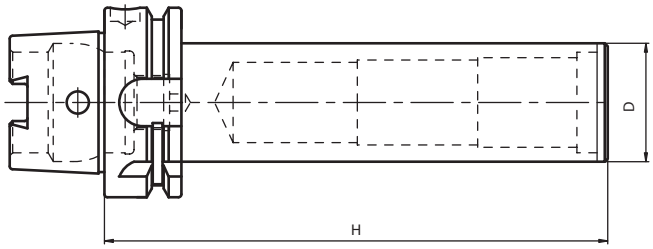
CONTROL PINS
PRÜFDORNE BARRE DI CONTROLLO
BARRAS DE CONTROL BARRES DE CONTROLE
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ 测试棒

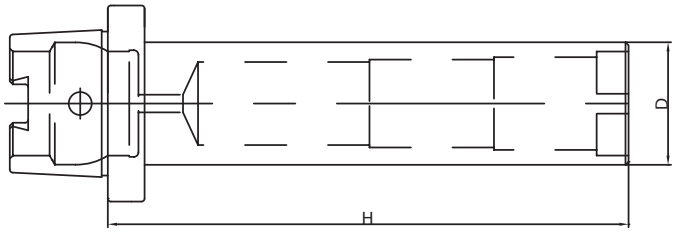
DIN 69893 A

HSK	CODE N.	DESCRIPTION	D	H
32	217-71720	HSK32AH176D25BC	25	176
40	217-71721	HSK40AH180D25BC	25	180
40	217-71702	HSK40AH300D32BC	32	300
50	217-71722	HSK50AH236D32BC	32	236
50	217-71703	HSK50AH300D40BC	40	300
63	217-71735	HSK63H180D40BC	40	180
63	217-71724	HSK63AH346D40BC	40	346
63	217-71704	HSK63AH380D40BC	40	380
100	217-71736	HSK100H180D40BC	40	180
100	217-71705	HSK100AH350D40BC	40	350
125	217-71729	HSK125AH350D50BC	50	350



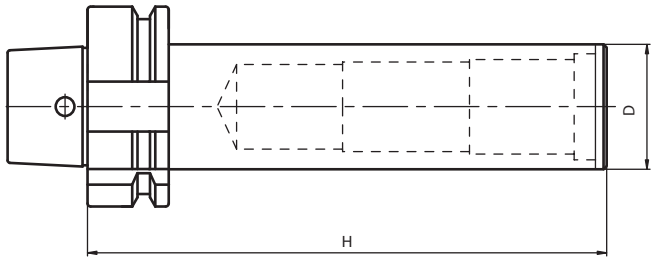
DIN 69893 C

HSK	CODE N.	DESCRIPTION	D	H
40	217-71909	HSK40CH125D25BC	25	125
50	217-71910	HSK50CH125D32BC	32	125
63	217-71911	HSK63CH160D40BC	40	160
100	217-71913	HSK100CH160D40BC	40	160



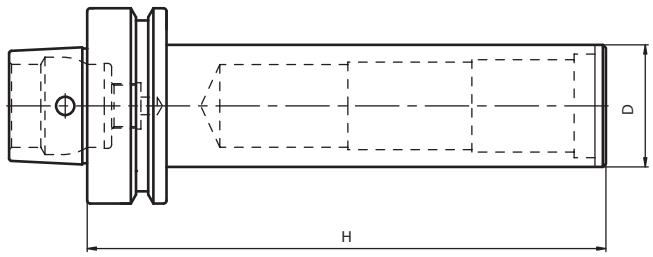
DIN 69893 B+D

HSK	CODE N.	DESCRIPTION	D	H
63	217-71803	HSK63BH380D40BC	40	380



DIN 69893 F

HSK	CODE N.	DESCRIPTION	D	H
63	217-77402	HSK63FH380D40BC	40	380



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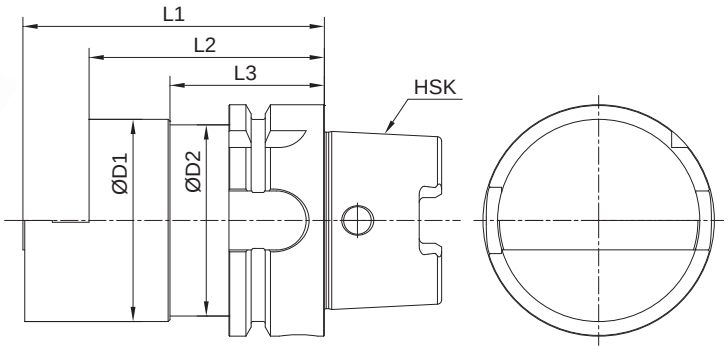
SETTING GAUGE FOR SPINDLE ORIENTATION AND AXIS B ALLIGNMENT

PRÜFDORN FUR SPINDELORIENTIERUNG UND AXIS B AUSRICHTUNG
BARRA DE CONTROL PARA LA ORIENTACION DEL MANDRIL Y PARA LA ALINEACION DEL EJE B
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ
BARRA DI CONTROLLO ROTAZIONE MANDRINO E ALLINEAMENTO ASSE B
BARRE DE CONTROLE POUR L'ORIENTATION DE LA BROCHE ET L'ALIGNEMENT DE L'AXE B
测试棒

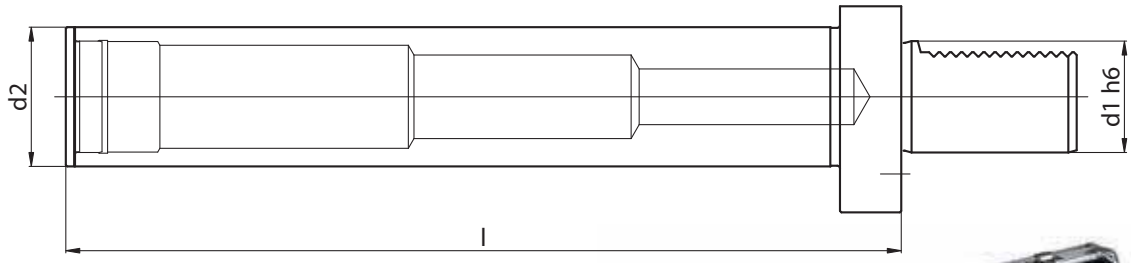


CODE N.	HSK	L1	D1	L2	L3	D2
149-00016	HSK 63T	82	55	64	42	52
149-00023	HSK 100T	102	95	84	45	84

CONTROL PINS

PRÜFDORNE
BARRAS DE CONTROL
КОНТРОЛЬНЫЕ ЦИЛИНДРЫ
BARRE DI CONTROLLO
BARRES DE CONTROLE
测试棒

DIN 69880



CODE N.	DESCRIPTION	d1	d2	l
118-52002	VDI 20 D30 L220	20	30	220
118-53002	VDI 30 D40 L230	30	40	230
118-54003	VDI 40 D50 L300	40	50	300
118-55002	VDI 50 D50 L300	50	50	300
118-56002	VDI 60 D60 L300	60	60	300

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KINTEK®

HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

MANDRINI IDRAULICI PER UTENSILI ATTACCO CILINDRICO

www.kintek.it

HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

MANDRINI IDRAULICI PER UTENSILI ATTACCO CILINDRICO

HYDRO-DEHNSPANNFUTTER FÜR WERKZEUGE MIT ZYLINDERSCHAFT

CONOS HIDRAULICOS PARA HERRAMIENTAS DE MANGO CILINDRICO

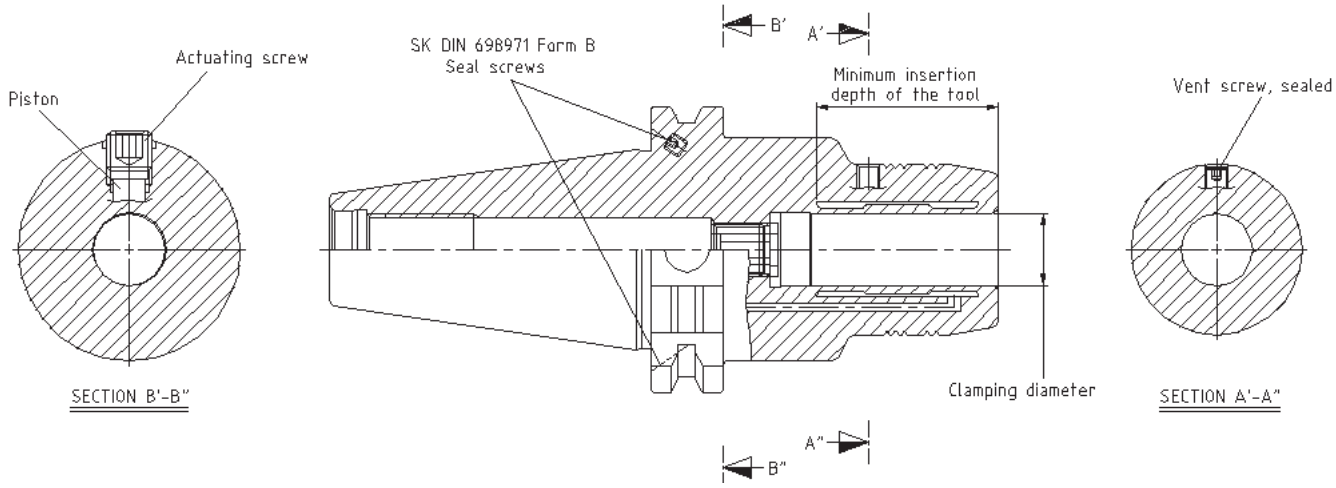
MANDRINS HYDRO-EXPANSIBLES POUR OUTILS A QUEUE CYLINDRIQUE

ГИДРАВЛИЧЕСКИЕ ПАТРОНЫ ДЛЯ ИНСТРУМЕНТА С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ

适用圆柱刀柄的液压膨胀夹头

OPERATING MANUAL FOR HIDRAULIC EXPANSION CHUCKS

MANUALE OPERATIVO PER L'UTILIZZO DEI MANDRINI IDRAULICI
MANUAL DE INSTRUCCIONES PARA EL USO DE LOS CONOS HIDRAULICOS
ИНСТРУКЦИЯ ПО ПРИМЕНЕНИЮ ГИДРАВЛИЧЕСКИХ ПАТРОНОВ



- Please follow our operating instruction carefully to save time and avoid problems:
  Raccomandiamo di seguire le nostre istruzioni operative per risparmiare tempo ed evitare problemi:
  Пожалуйста, следуйте нашим инструкциям, чтобы избежать проблем и потери времени:
  Recomendamos seguir nuestras instrucciones de uso para ahorrar tiempo y evitar problemas:
  Chart of technical data
  Tabella delle informazioni tecniche
  Tabla de datos técnicos:
  Таблица с техническими характеристиками:

CHUCK DIAMETER (HC)	SHAFT CLAMPING	DEPENDING ON THE MOUNTING SHANK (max RPM)	MINIMUM CLAMPING LENGHT (mm)	OPERATING TEMPERATURE	MAX COOLANT PRESSURE (bar)	MOMENT (Nm) 3
HC6	6 hb	40.000	27	20-50	80	8 Nm
HC8	8 hb	40.000	27	20-50	80	15 Nm
HC10	10 hb	40.000	32	20-50	80	30 Nm
HC12	12 hb	40.000	37	20-50	80	45 Nm
HC14	14 hb	40.000	37	20-50	80	75 Nm
HC16	16 hb	40.000	42	20-50	80	120 Nm
HC18	18 hb	40.000	42	20-50	80	170 Nm
HC20	20 hb	40.000	42	20-50	80	230 Nm
HC25	25 hb	25.000	48	20-50	80	300 Nm
HC32	32 hb	25.000	55	20-50	80	400 Nm

- Insert tools with totally cylindrical shank only and with tolerance h6
- Do not directly insert Weldon or Whistle-Notch attachments but only with reduction sleeve
- Never clamp the hydraulic chuck loosely without inserting the tool first
- During the clamping phase, screw the clamping screw until the end stop
- If the chuck is subject to long periods of use, open and clamp again the mounted tool before reusing it

- Inserire solo utensili con gambo totalmente cilindrico ed in tolleranza h6
- Non inserire direttamente attacchi Weldon o Whistle-Notch ma solo con bussola di riduzione
- Non chiudere mai il mandrino idraulico a vuoto senza inserire prima l'utensile
- In fase di chiusura mandare la vite di chiusura fino in battuta
- Se il mandrino è soggetto a lunghi periodo di utilizzo, prima di riutilizzarlo aprire e richiudere l'utensile montato

- Introducir solo herramientas con mango cilíndrico y tolerancia h6
- No introducir directamente las herramientas con mango Weldon o Whistle-Notch, utilizar casquillo reductor
- No accionar nunca el hidráulico sin meter la herramienta primero.
- Durante la fase de sujeción, apretar el tornillo de apriete hasta el tope
- Si el porta hidráulico ha estado con la herramienta apretado durante mucho tiempo, abrir y cerrar de nuevo para una correcta reutilización.

- Werkzeuge nur mit vollständig zylindrischem Schaft und mit Toleranz h6 einsetzen
- Keine Weldon- oder Whistle-Notch-Aufnahme direkt einsetzen, sondern nur mit einer Reduzierhülse
- Das Hydrospannfutter niemals locker klemmen, ohne vorher das Werkzeug einzusetzen
- Die Klemmschraube während der Spannphase bis zum Anschlag aufschrauben
- Wenn das Spannfutter für eine lange Zeit verwendet wird, das montierte Werkzeug aus- und wieder einspannen, bevor es wiederverwendet wird

- Insérer uniquement des outils avec une queue totalement cylindrique et avec tolérance h6
- Ne pas insérer directement les attachements Weldon ou Whistle-Notch mais uniquement avec une douille de réduction
- Ne jamais serrer le mandrin hydraulique à vide sans insérer l'outil au préalable
- Pendant la phase de serrage, visser la vis de serrage jusqu'à la butée
- Si le mandrin est sujet à de longues périodes d'utilisation, ouvrez et serrez à nouveau l'outil monté avant de le réutiliser

- Вставляются только инструменты с цилиндрическим хвостовиком и точностью h6
- Хвостовики weldon и whistle-notch вставляются только при помощи вспомогательных муфт
- Не закрывать гидравлическии патроны без вставки инструмента
- При закритии вкручивать винт до конца хода
- Если оправка подлежит длинным периодам использования, перед новым использованием необходимо заменить инструмент

- 仅限插入圆柱柄和公差h6的刀具
- 放入变径套之后才能插入侧固或者凹槽型附件
- 未插入刀具之前千万不要拧液压刀柄
- 在夹持过程中，拧夹紧螺丝到拧不动为止
- 刀柄在长时间使用过程中，每次使用前请先取出刀具，然后再插入刀柄重新拧紧。

HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

HYDRO-DEHNSPANNFUTTER FÜR WERKZEUGE MIT ZYLINDERSCHAFT
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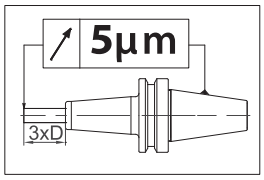
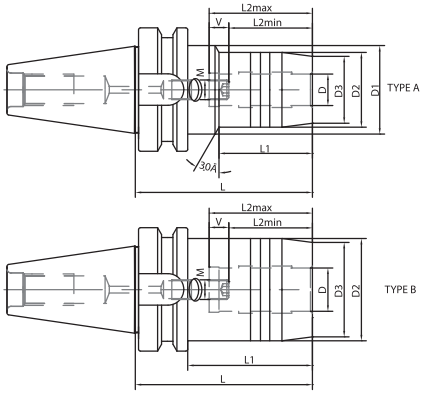
适用圆柱刀柄的液压膨胀夹头

MAS 403/BT AD





	CODE N.	DESCRIPTION	ISO	D	D1	D2	D3	L	L1	L2 min	L2 max	V	M	TYPE	G2,5 25000
BT 30	252-11467	BT30-HC3-70	30	3	45	24	21	70	30	-	24	-	-	A	•
	252-11468	BT30-HC4-70	30	4	45	25	22	70	30	-	28	-	-	A	•
	252-11470	BT30-HC6-70	30	6	45	28	25	70	28	27,5	37,5	10	M5x0,8	A	•
	252-11471	BT30-HC8-70	30	8	45	30	27	70	28	27,5	37,5	10	M6x1	A	•
	252-11472	BT30-HC10-75	30	10	45	32	29	75	38	32,5	42,5	10	M6x1	A	•
	252-11473	BT30-HC12-75	30	12	45	34	31	75	36	37,5	47,5	10	M6x1	A	•
	252-11474	BT30-HC14-85	30	14	45	36	33	85	44	37,5	47,5	10	M6x1	A	•
	252-11419	BT30-HC16-90	30	16	45	38	35	90	48	42,5	52,5	10	M8x1	A	•
	252-11420	BT30-HC18-90	30	18	45	41	38	90	48	42,5	52,5	10	M8x1	A	•
	*252-11442	BT30-G20CS-85	30	20	-	44	40	85	63	42,5	52,5	10	M8x1	B	•
	252-11421	BT30-HC20-90	30	20	-	43	40	90	68	42,5	52,5	10	M8x1	B	•
BT 40	252-11422	BT40-HC6-90	40	6	50	28	25	90	44	27,5	37,5	10	M5x0,8	A	•
	252-11423	BT40-HC8-90	40	8	50	30	27	90	39	27,5	37,5	10	M6x1	A	•
	252-11424	BT40-HC10-90	40	10	50	32	29	90	44	32,5	42,5	10	M6x1	A	•
	252-11425	BT40-HC12-90	40	12	50	34	31	90	44	37,5	47,5	10	M6x1	A	•
	252-11426	BT40-HC14-90	40	14	50	36	33	90	44	37,5	47,5	10	M6x1	A	•
	252-11427	BT40-HC16-90	40	16	50	38	35	90	48	42,5	52,5	10	M8x1	A	•
	252-11428	BT40-HC18-90	40	18	50	41	38	90	48	42,5	52,5	10	M8x1	A	•
	*252-11443	BT40-G20CS-72,5	40	20	-	49,5	40	72,5	45,5	42,5	52,5	10	M8x1	B	•
	252-11429	BT40-HC20-90	40	20	50	43	40	90	48	42,5	52,5	10	M8x1	A	•
	252-11482	BT40-HC20-140	40	20	50	43	40	140	48	42,5	52,5	10	M8x1	A	•
	252-11483	BT40-HC25-100	40	25	-	57	53	100	73	51	61	10	M16x1	B	•
	252-11485	BT40-HC32-105	40	32	-	63	58	105	-	55	65	10	M16x1	B	•

	CODE N.	DESCRIPTION	ISO	D	D1	D2	D3	L	L1	L2 min	L2 max	V	M	TYPE	G2,5 25000
	252-11433	BT50-HC8-90	50	8	50	30	27	90	32	27,5	37,5	10	M6x1	A	•
	252-11434	BT50-HC10-90	50	10	50	32	29	90	32	32,5	42,5	10	M6x1	A	•
	252-11435	BT50-HC12-90	50	12	50	34	31	90	32	37,5	47,5	10	M6x1	A	•
	252-11436	BT50-HC14-90	50	14	50	36	33	90	32	37,5	47,5	10	M6x1	A	•
	252-11437	BT50-HC16-90	50	16	50	38	35	90	32	42,5	52,5	10	M8x1	A	•
	252-11438	BT50-HC18-90	50	18	50	41	38	90	32	42,5	52,5	10	M8x1	A	•
	* 252-11439	BT50-HC20-90	50	20	50	43	40	90	32	42,5	52,5	10	M8x1	A	•
	252-11494	BT50-HC20-140	50	20	50	43	40	140	48	42,5	52,5	10	M8x1	A	•
	252-11495	BT50-HC25-105	50	25	-	57	53	105	86	51	61	10	M16x1	A	•
	252-11496	BT50-HC25-150	50	25	-	57	53	150	112	51	61	10	M16x1	B	•
	252-11444	BT50-G32CS-90	50	32	-	72	60	90	52	55	65	10	M16x1	B	•
	252-11497	BT50-HC32-115	50	32	-	63	58	115	77	55	65	10	M16x1	B	•

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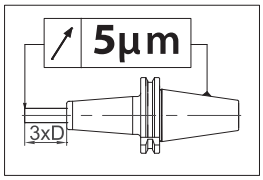
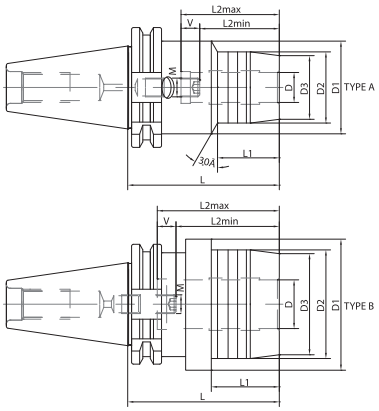
HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

HYDRO-DEHNSPANNFUTTER FÜR WERKZEUGE MIT ZYLINDERSCHAFT
CONOS HIDRAULICOS PARA HERRAMIENTAS CON MANGO CILINDRICO
ГИДРАВЛИЧЕСКИЕ ПАТРОНЫ ДЛЯ ИНСТРУМЕНТА С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ
MANDRINI IDRAULICI PER UTENSILI ATTACCO CILINDRICO
MANDRINS HYDRO-EXPANSIBLES POUR OUTILS A QUEUE CYLINDRIQUE
适用圆柱刀柄的液压膨胀夹头

DIN69871 AD





	CODE N.	DESCRIPTION	ISO	D	D1	D2	D3	L	L1	L2 min	L2 max	V	M	TYPE	G2,5 25000
SK 40	252-11305	TC40-HC6-80,5	40	6	50	28	25	80,5	44	27,5	37,5	10	M5x0,8	A	●
	252-11307	TC40-HC8-80,5	40	8	50	30	27	80,5	44	27,5	37,5	10	M6x1	A	●
	252-11308	TC40-HC8-110	40	8	50	30	27	110	44	27,5	37,5	10	M6x1	A	●
	252-11309	TC40-HC10-80,5	40	10	50	32	29	80,5	44	32,5	42,5	10	M6x1	A	●
	252-11310	TC40-HC10-110	40	10	50	32	29	110	44	32,5	42,5	10	M6x1	A	●
	252-11311	TC40-HC12-80,5	40	12	50	34	31	80,5	44	37,5	47,5	10	M6x1	A	●
	252-11312	TC40-HC12-110	40	12	50	34	31	110	44	37,5	47,5	10	M6x1	A	●
	252-11327	TC40-HC14-80,5	40	14	50	36	33	80,5	44	37,5	47,5	10	M6x1	A	●
	252-11313	TC40-HC16-80,5	40	16	50	38	35	80,5	48	42,5	52,5	10	M8x1	A	●
	252-11314	TC40-HC16-110	40	16	50	38	35	110	48	42,5	52,5	10	M8x1	A	●
	252-11328	TC40-HC18-80,5	40	18	50	41	38	80,5	30	42,5	52,5	10	M8x1	A	●
	*252-11325	TC40-G20CS-64,5	40	20	-	49,5	40	64,5	45,5	42,5	52,5	10	M8x1	A	●
	252-11315	TC40-HC20-80,5	40	20	50	43	40	80,5	48	42,5	52,5	10	M8x1	A	●
	252-11316	TC40-HC20-110	40	20	50	43	40	110	48	42,5	52,5	10	M8x1	A	●
	252-11317	TC40-HC25-80,5	40	25	66	57	53	80,5	26	51	61	10	M16x1	B	●
	252-11318	TC40-HC32-80,5	40	32	80	63	60	80,5	26	55	65	10	M16x1	B	●

	CODE N.	DESCRIPTION	ISO	D	D1	D2	D3	L	L1	L2 min	L2 max	V	M	TYPE	G2,5 25000
SK 50	252-11348	TC50-HC6-90	50	6	50	28	25	90	44	27,5	37,5	10	M5x0,8	A	●
	252-11350	TC50-HC8-90	50	8	50	30	27	90	44	27,5	37,5	10	M6x1	A	●
	252-11352	TC50-HC10-90	50	10	50	32	29	90	44	32,5	42,5	10	M6x1	A	●
	252-11354	TC50-HC12-90	50	12	50	34	31	90	44	37,5	47,5	10	M6x1	A	●
	252-11356	TC50-HC14-90	50	14	50	36	33	90	47	37,5	47,5	10	M6x1	A	●
	252-11358	TC50-HC16-90	50	16	50	38	35	90	48	42,5	52,5	10	M8x1	A	●
	252-11360	TC50-HC18-90	50	18	50	41	38	90	48	42,5	52,5	10	M8x1	A	●
	252-11362	TC50-HC20-90	50	20	50	43	40	90	48	42,5	52,5	10	M8x1	A	●
	252-11363	TC50-HC20-140	50	20	50	43	40	140	48	42,5	52,5	10	M8x1	A	●
	252-11364	TC50-HC25-105	50	25	-	57	53	105	86	51	61	10	M16x1	B	●
	*252-11326	TC50-G32CS-81	50	32	-	72	60	81	62	55	65	10	M16x1	B	●
	252-11366	TC50-HC32-115	50	32	-	63	58	115	96	55	65	10	M16x1	B	●
	252-11367	TC50-HC32-140	50	32	-	63	58	140	121	55	65	10	M16x1	B	●

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HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

HYDRO-DEHNSPANNFUTTER FÜR WERKZEUGE MIT ZYLINDERSCHAFT
MANDRINI IDRAULICI PER UTENSILI ATTACCO CILINDRICO
CONOS HIDRAULICOS PARA HERRAMIENTAS CON MANGO CILINDRICO
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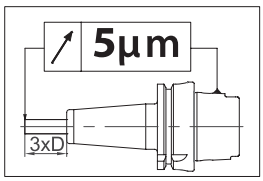
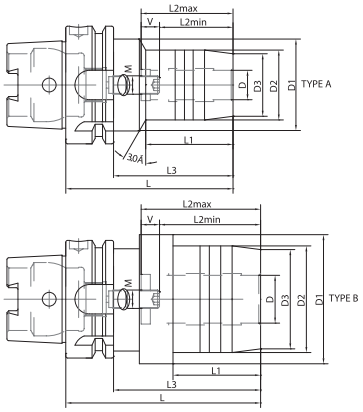
ГИДРАВЛИЧЕСКИЕ ПАТРОНЫ ДЛЯ ИНСТРУМЕНТА С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ
适用圆柱刀柄的液压膨胀夹头

DIN69893 A





	CODE N.	DESCRIPTION	HSK	D	D1	D2	D3	L	L1	L3	L2 min	L2 max	V	M	TYPE	G2,5 25000
HSK 50	252-11759	HSK50A-HC6-70	50	6	40	28	25	70	28	44	27,5	37,5	10	M5x0,8	A	•
	252-11760	HSK50A-HC8-70	50	8	40	30	27	70	28	44	27,5	37,5	10	M6x1	A	•
	252-11761	HSK50A-HC10-80	50	10	40	32	29	80	34	54	32,5	42,5	10	M6x1	A	•
	252-11762	HSK50A-HC12-85	50	12	40	34	31	85	44	59	37,5	47,5	10	M6x1	A	•
	252-11764	HSK50A-HC16-90	50	16	60	38	35	90	30	64	42,5	52,5	10	M6x1	B	•
	252-11765	HSK50A-HC18-90	50	18	-	41	38	90	-	64	42,5	52,5	10	M6x1	A	•
	252-11766	HSK50A-HC20-90	50	20	-	42	40	90	-	64	42,5	52,5	10	M6x1	A	•
HSK 63	252-11737	HSK63A-HC6-70	63	6	50	28	25	70	24	44	27,5	37,5	10	M5x0,8	A	•
	252-11738	HSK63A-HC8-70	63	8	50	30	27	70	24	44	27,5	37,5	10	M6x1	A	•
	252-11739	HSK63A-HC10-80	63	10	50	32	29	80	35	54	32,5	42,5	10	M6x1	A	•
	252-11740	HSK63A-HC12-85	63	12	50	34	31	85	40	59	37,5	47,5	10	M6x1	A	•
	252-11741	HSK63A-HC14-85	63	14	50	36	33	85	40	59	37,5	47,5	10	M6x1	A	•
	252-11742	HSK63A-HC16-90	63	16	50	38	35	90	46	64	42,5	52,5	10	M8x1	A	•
	*252-11744	HSK63A-HC20-90	63	20	50	43	40	90	48	64	42,5	52,5	10	M8x1	A	•
	252-21718	HSK63A-HC20-150	63	20	50	43	40	150	108	124	42,5	52,5	10	M8x1	-	•
	252-21719	HSK63A-HC20-200	63	20	50	43	40	200	108	174	42,5	52,5	10	M8x1	-	•
	252-11745	HSK63A-HC25-120	63	25	63	57	53	120	59	94	51	61	10	M16x1	B	•
	252-11746	HSK63A-HC32-125	63	32	75	63	58	125	63	99	55	65	10	M16x1	B	•
HSK 100	252-11767	HSK100A-HC6-75	100	6	54	28	25	75	26	46	27,5	37,5	10	M5x0,8	A	•
	252-11768	HSK100A-HC8-75	100	8	54	30	27	75	26	46	27,5	37,5	10	M6x1	A	•
	252-11769	HSK100A-HC10-90	100	10	50	32	29	90	42	61	32,5	42,5	10	M6x1	A	•
	252-11770	HSK100A-HC12-95	100	12	50	34	31	95	47	66	37,5	47,5	10	M6x1	A	•
	252-11771	HSK100A-HC14-95	100	14	50	36	33	95	47	66	37,5	47,5	10	M6x1	A	•
	252-11772	HSK100A-HC16-100	100	16	50	38	35	100	53	71	42,5	52,5	10	M8x1	A	•
	252-11774	HSK100A-HC20-105	100	20	50	43	40	105	59	76	42,5	52,5	10	M8x1	A	•
	252-11775	HSK100A-HC25-110	100	25	63	57	53	110	62	81	51	61	10	M8x1	A	•
	252-11776	HSK100A-HC32-110	100	32	75	63	58	110	62	81	55	65	10	M8x1	A	•

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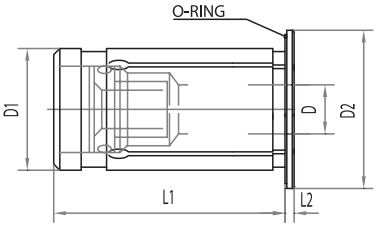
WATERTIGHT COLLETS

SPANNZANGEN ABGEDICHTET PINZE A TENUTA STAGNA
PINZAS ESTANCAS PINCES ETANCHES
ЦАНГИ ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 水密性 夹头

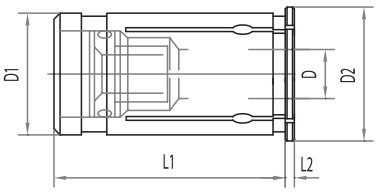


TYPE	D1	D2	L1	L2	D nole size
OGX12D...	12	21	45	2	3;4;5;6;8;
OGX20D...	20	29	50.5	2	3;4;5;6;8;10;12;16
OGX32D...	32	39	60.5	3	6;8;10;12;16;20;25

OGX TYPE IS 100% COOLANT WATERPROOF OVER TO 80 BAR.
PLEASE INSERT THE REDUCTION SLEEVE INTO THE CHUCK AFTER INSERT A CUTTING TOOL INTO THE REDUCTION SLEEVE.

COLLETS FOR HYDRAULIC CHUCKS

ABGEDICHTETE SPANNZANGEN FÜR HYDRODEHNSPANNFUTTER PINZE PER MANDRINI IDRAULICI
PINZAS PARA CONOS HIDRAULICOS PINCES POUR MANDRINS HYDRAULIQUES
ЦАНГИ ДЛЯ ГИДРАВЛИЧЕСКИХ ПАТРОНОВ 液压卡盘夹头



TYPE	D1	D2	L1	L2	D nole size
GX12D...	12	16	44,5	2	3;4;5;6;8;
GX20D...	20	24	50.5	2	3;4;5;6;8;10;12;14;16
GX32D...	32	36	60.5	3	6;8;10;12;14;16;18;20;25

HYDRAULIC KIT

HYDRO-DEHNSPANNFUTTERSATZ KIT IDRAULICO
SET HIDRAULICO JEUX HYDRAULIQUE
НАБОРЫ ГИДРОПЛАСТОВЫХ ПАТРОНОВ С ЦАНГАМИ 液压组套

Kit Box: 1 hydraulic chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino “idraulico” + 1 serie pinze + 1 chiave
Ausstattungskasten: 1 Hydro-Dehnspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Contenido del set: 1 Cono hidraulico + 1 Juego de pinzas + 1 Llave
Boîte d’équipement: 1 mandrin hydraulique + 1 jeux de pince + 1 clé
Набор: 1 гидропластовый патрон + 1 ключ + 1 набор втулок
组套箱**:** 1个液压夹头 +1 个夹头组套 +1 个扳手

	CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
ISO 40	KIT BT30 G20	N°1 BT30 H85 G20-WO + n°5 pinze GX20: Ø6,8,10,12,16
	KIT BT40 G20	N°1 BT40 H72,5 G20-WO + n°5 pinze GX20: Ø6,8,10,12,16
	KIT BT40 G32	N°1 BT40 H105 G32-WO + n°7 pinze GX32: Ø10,12,14,16,18,20,25
	KIT TC40 G20	N°1 TC40 H64,5 G20-WO + n°5 pinze GX20: Ø6,8,10,12,16
	KIT TC40 G32	N°1 TC40 H80,5 G32-WO + n°7 pinze GX32: Ø10,12,14,16,18,20,25
ISO 50	KIT BT50 G20	N°1 BT50 H90 G20-WO + n°5 pinze GX20: Ø6,8,10,12,16
	KIT BT50 G32	N°1 BT50 H90 G32-WO + n°7 pinze GX32: Ø10,12,14,16,18,20,25
	KIT TC50 G20	N°1 TC50 H90 G20-WO + n°5 pinze GX20: Ø6,8,10,12,16
	KIT TC50 G32	N°1 TC50 H81 G32-WO + n°7 pinze GX32: Ø10,12,14,16,18,20,25
	KIT HSK63A G20	N°1 HSK63A H90 G20 + n°5 pinze GX20: Ø6,8,10,12,16
	KIT HSK63A G32	N°1 HSK63A H125 G32 + n°7 pinze GX32: Ø10,12,14,16,18,20,25
	KIT HSK100 G20	N°1 HSK100 H105 G20 + n°5 pinze GX20: Ø6,8,10,12,16
	KIT HSK100 G32	N°1 HSK100 H110 G32 + n°7 pinze GX32: Ø10,12,14,16,18,20,25

HYDRO POWER LINE

A new technology in the hydraulic chucking for high precision and excellent surfaces !

Thanks to a modern mixture of conventional steel body and sintered-processed material, we introduce you to the new **HYDRO POWER LINE** of chucks.

Main advantages:
- Thermal performances till 120 ° C and the clamping force increases under the influence of temperature.
- Suitable solution for Drilling, Reaming and also Milling!
- Ideal for machining in contour-critical areas, slim 3° version as for shrink
- High torque transmission
- Long tool life and easy tool change
- Exceptional radial runout <3µ
- No investment for additional equipment , no risk of burning for operator or damaging the holder because of wring cooling.

Eine neue Technologie von hydraulischen Spannfuttern für hohe Präzision und hervorragende Oberflächen

Dank einer modernen Mischung vom konventionellen Stahl-Grundkörper und gesintertes Material, präsentieren wir die neue **HYDRO POWER LINE** Futter.

Einige Plus:
- Thermische Stabilität bis 120° , die Vorspannkraft steigt unter Einfluss der Temperatur.
- Richtige Lösung zum Bohren, Reiben und auch Fräsen!
- Ideal für die Bearbeitung in konturkritischen Bereichen, Slim 3° Ausführung wie bei Schrumpffutter
- Hohe Vorspannkraft
- Längere Standzeiten, einfacherer und schnellerer Werkzeugwechsel
- Außergewöhnlicher Rundlauf <3µ
- Keine Investition für zusätzliche Ausrüstung, kein Verbrennungsrisiko für den Bediener und keine Beschädigung des Futters wegen falscher Kühlung

Новая технология гидравлических патронов: высокая точность и отличная поверхность!

Новая технология гидравлических патронов: высокая точность и отличная поверхность! Благодаря современной обработки стандартного стального корпуса и материала для спекания, мы представляем Вам новый вариант патронов **HYDRO POWER LINE**.

Основные преимущества:
- Температурные характеристики до 120 ° C и зажимное усилие увеличивается под воздействием температуры.
- Отлично подходит для сверления, развертывания и фрезерования!
- Идеально подходит для обработки в критических областях, тонкая версия 3 °как у термозажимных патронов
- Передача с высоким крутящим моментом
- Длительный срок службы и замены инструмента
- Радиальное биение <3µ
- Отсутствие риска ожога для оператора и повреждения держателя из-за охлаждения при отжиме.

Una nueva tecnología de conos hidráulicos para una alta precisión y mecanizado excelentes!

Gracias a la moderna combinación entre el cuerpo de acero y el proceso de sinterizado, os presentemos nuestra nueva línea de portas **HYDRO POWER LINE.**

Principales ventajas:
- Estabilidad térmica hasta los 120° C. La fuerza de apriete incrementa bajo la influencia de la temperatura.
- Solución adecuada para taladrar, escariar y también fresar!
- Ideal para mecanizado en áreas de contornos críticos, versión 3° Slim como para los térmicos.
- Elevada fuerza de apriete
- Vida de la herramienta más larga y cambio herramienta más rápido y sencillo
- Extraordinaria concentricidad <3µ
- No requiere de inversión adicional, sin riesgo de quemaduras para el operador y de daños del cono debido a un enfriamiento incorrecto

Una nuova tecnologia di mandrini idraulici per un'elevata precisione e lavorazioni eccellenti

Grazie alla moderna unione tra base mandrino in acciaio e parte in materiale sinterizzato, vi presentiamo la nostra nuova linea di mandrini **HYDRO POWER LINE**

Alcuni dei vantaggi:
- Stabilità termica fino a 120° C. La forza di serraggio aumenta sotto l'influenza della temperatura.
- Giusta soluzione per forare, alesare e anche per fresare!
- Ideale per lavorazioni in aree dai contorni critici, Versione 3° Slim come nel calettamento
- Elevata forza di serraggio
- Vita dell'utensile più lunga e cambio utensile più veloce e semplice
- Eccezionale runout <3µ
- Nessun investimento per attrezzature aggiuntive, nessun rischio di bruciatura per l'operatore e di danneggiamento mandrino a causa di una raffreddamento errato.

Une nouvelle technologie de mandrins hydro-expansibles pour une haute précision et pour un usinage excellent!

Grâce au moderne mélange entre la base en acier du mandrin et la partie en matériel fritté, nous vous présentons la nouvelle **LIGNE HYDRO POWER** de mandrins.

Principaux avantages:
- Stabilité thermique jusqu'à 120 ° C. La force de serrage augmente sous l'influence de la température.
- Solution appropriée pour le perçage, l'alésage et le fraisage!
- Idéal pour l'usinage dans les zones aux contours critiques, version 3 ° Slim comme pour le frettage
- Haute force de serrage
- Vie de l'outil plus longue et changement d'outil plus simple et plus rapide
- Concentricité exceptionnelle <3 µ
- Aucun investissement pour équipement supplémentaire, aucun risque de brûlure pour l'opérateur et aucun endommagement du mandrin à cause d'un refroidissement incorrect.

高精度和杰出触面的液压刀柄新技术！

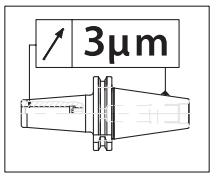
得益于特殊内部钢体构造和经过特殊烧结加工的材料的完美结合，
我们推出新的强力液压刀柄

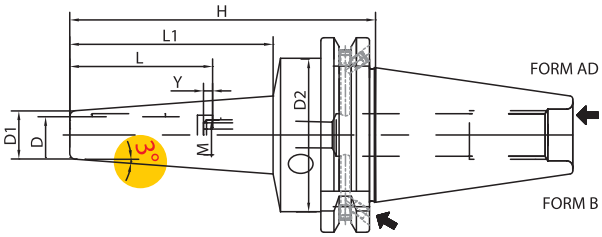
主要优势:
- 高至120° C的完美热表现，夹持力在温度影响下增强
- 适合钻，铰，铣加工!
- 尤其适合表面条件严峻的区域，在适合3° 热缩刀柄加工的场所亦能胜任!
- 超高力矩传输
- 超长使用期限和超简装配工序
- 杰出的径向精度 <3µ
- 无需投资额外设备，无烫伤风险及因不当冷却导致的刀柄损坏风险.

HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

HYDRO-DEHNSPANNFUTTER FÜR WERKZEUGE MIT ZYLINDERSCHAFT
CONOS HIDRAULICOS PARA HERRAMIENTAS CON MANGO CILINDRICO
ГИДРАВЛИЧЕСКИЕ ПАТРОНЫ ДЛЯ ИНСТРУМЕНТА С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ
MANDRINI IDRAULICI PER UTENSILI ATTACCO CILINDRICO
MANDRINS HYDRO-EXPANSIBLES POUR OUTILS A QUEUE CYLINDRIQUE
适用圆柱刀柄的液压膨胀夹头

DIN69871

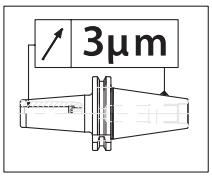


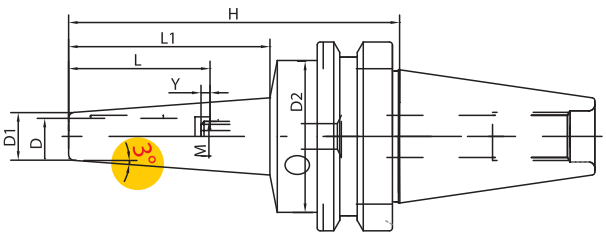


3° PROGRAMME HYDRO SLIM LINE

CODE N.	DESCRIPTION	D	H	L	Ymax	D1	D2	L1	M	SW	G2,5 25000
252-11368	TC40H120D03-HPL	3	120	28	16	9	49,5	80	M2,5	1,3	•
252-11369	TC40H120D04-HPL	4	120	28	12	10	49,5	80	M2,5	1,3	•
252-11370	TC40H120D05-HPL	5	120	28	8	11	49,5	80	M2,5	1,3	•
252-11371	TC40H120D06-HPL	6	120	37	10	12	49,5	80	M5	2,5	•
252-11379	TC40H160D06-HPL	6	160	37	10	16	49,5	119	M5	2,5	•
252-11380	TC40H200D06-HPL	6	200	37	10	16	49,5	161	M5	2,5	•
252-11372	TC40H120D08-HPL	8	120	37	10	14	49,5	80	M6	3	•
252-11381	TC40H160D08-HPL	8	160	37	10	18	49,5	120	M6	3	•
252-11373	TC40H120D10-HPL	10	120	41	10	16	49,5	81	M8x1	3	•
252-11383	TC40H160D10-HPL	10	160	41	10	20	49,5	121	M8x1	3	•
252-11374	TC40H120D12-HPL	12	120	46	10	18	49,5	82	M10x1	5	•
252-11385	TC40H160D12-HPL	12	160	46	10	22	49,5	122	M10x1	5	•
252-11376	TC40H120D16-HPL	16	120	49	10	24	49,5	79	M12x1	5	•
252-11378	TC40H120D20-HPL	20	120	51	10	28	49,5	80	M16x1	5	•

MAS BT





3° PROGRAMME HYDRO SLIM LINE

CODE N.	DESCRIPTION	D	H	L	Ymax	D1	D2	L1	M	SW	G2,5 25000
252-21401	BT40H120D03-HPL	3	120	28	16	9	49,5	72	M2,5	1,3	•
252-21402	BT40H120D04-HPL	4	120	28	12	10	49,5	72	M2,5	1,3	•
252-21404	BT40H120D06-HPL	6	120	37	10	12	49,5	72	M5	2,5	•
252-21412	BT40H160D06-HPL	6	160	37	10	16	49,5	111	M5	2,5	•
252-21405	BT40H120D08-HPL	8	120	37	10	14	49,5	72	M6	3	•
252-21414	BT40H160D08-HPL	8	160	37	10	18	49,5	112	M6	3	•
252-21406	BT40H120D10-HPL	10	120	41	10	16	49,5	73	M8x1	3	•
252-21416	BT40H160D10-HPL	10	160	41	10	20	49,5	113	M8x1	3	•
252-21407	BT40H120D12-HPL	12	120	46	10	18	49,5	74	M10x1	5	•
252-21418	BT40H160D12-HPL	12	160	46	10	22	49,5	114	M10x1	5	•
252-21409	BT40H120D16-HPL	16	120	49	10	24	49,5	71	M12x1	5	•
252-21411	BT40H120D20-HPL	20	120	51	10	28	49,5	72	M16x1	5	•

HYDRO-EXPANSION CHUCKS FOR TOOLS WITH CYLINDRICAL SHANK

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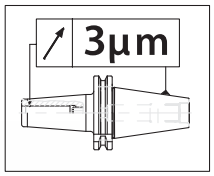
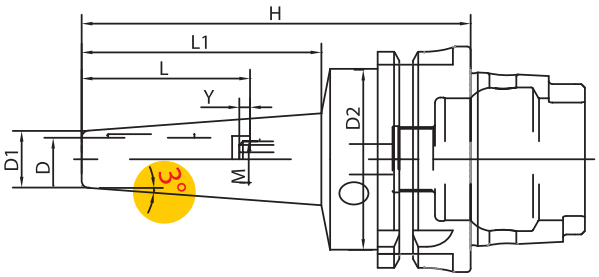
MANDRINS HYDRO-EXPANSIBLES POUR OUTILS A QUEUE CYLINDRIQUE
适用圆柱刀柄的液压膨胀夹头

DIN 69893A





3° PROGRAMME HYDRO SLIM LINE

CODE N.	DESCRIPTION	D	H	L	Ymax	D1	D2	L1	M	SW	G2,5 25000
252-21720	HSK63AH120D03-HPL	3	120	28	16	9	50	73	M2,5	1,3	●
252-21721	HSK63AH120D04-HPL	4	120	28	12	10	50	73	M2,5	1,3	●
252-21723	HSK63AH120D06-HPL	6	120	37	10	12	50	73	M5	2,5	●
252-21738	HSK63AH160D06-HPL	6	160	37	10	16	50	111	M5	2,5	●
252-21724	HSK63AH120D08-HPL	8	120	37	10	14	50	74	M6	3	●
252-21754	HSK63AH160D08-HPL	8	160	37	10	18	50	111	M6	3	●
252-21756	HSK63AH120D09-HPL	9	120	37	10	15	50	74	M6	3	●
252-21725	HSK63AH120D10-HPL	10	120	41	10	16	50	74	M8x1	3	●
252-21757	HSK63AH160D10-HPL	10	160	41	10	20	50	113	M8x1	3	●
252-21726	HSK63AH120D12-HPL	12	120	46	10	18	50	75	M10x1	5	●
252-21760	HSK63AH160D12-HPL	12	160	46	10	22	50	113	M10x1	5	●
252-21727	HSK63AH120D14-HPL	14	120	46	10	22	50	71	M10x1	5	●
252-21728	HSK63AH120D16-HPL	16	120	49	10	24	50	72	M12x1	5	●
252-21729	HSK63AH120D18-HPL	18	120	49	10	26	50	72	M12x1	5	●
252-21730	HSK63AH120D20-HPL	20	120	51	10	28	50	72	M16x1	5	●

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MODULAR SYSTEM VAR TYPE
SISTEMA MODULARE TIPO VAR

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MODULAR SYSTEM VAR TYPE

SISTEMA MODULARE TIPO VAR

MODULAR SYSTEM TYP VAR

SISTEMA MODULAR TÍPO VAR

SYSTÈME MODULAIRE TYPE VAR

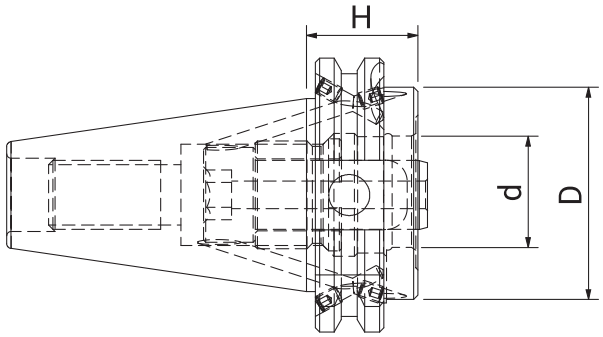
МОДУЛЬНАЯ СИСТЕМА ТИПА VAR

模块系统VAR型

MODULAR GROUNDHOLDERS

MODULAR GRUNDHALTER ATTACCHI BASE MODULARI
ADAPTADORES BÁSICOS MODUALRES ATTACHEMENTS BASE MODULAIRE
МОДУЛЬНЫЕ БАЗОВЫЕ ДЕРЖАТЕЛИ 模块转接柄

DIN 69871 AD

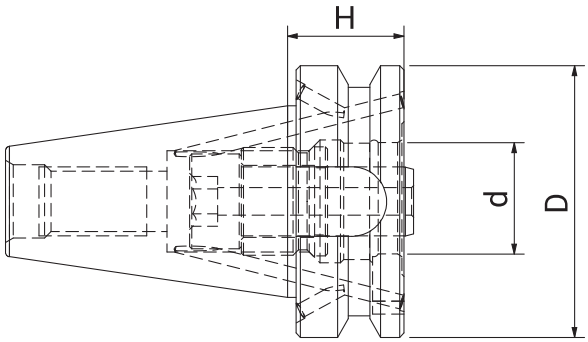


CODE N.	DESCRIPTION	ISO	H	D	d
280-11301	TC40H27VAR50	40	27	50	27
280-11302	TC40H27VAR63	40	27	63	32
280-11303	TC40H50VAR50	40	50	50	27
280-11304	TC40H50VAR63	40	50	63	32
280-11305	TC50H27VAR50	50	27	50	27
280-11306	TC50H27VAR63	50	27	63	32
280-11307	TC50H27VAR80	50	27	80	32
280-11308	TC50H50VAR50	50	50	50	27
280-11309	TC50H50VAR63	50	50	63	32
280-11310	TC50H50VAR80	50	50	80	32

MODULAR GROUNDHOLDERS

MODULAR GRUNDHALTER ATTACCHI BASE MODULARI
ADAPTADORES BÁSICOS MODUALRES ATTACHEMENTS BASE MODULAIRE
МОДУЛЬНЫЕ БАЗОВЫЕ ДЕРЖАТЕЛИ 模块转接柄

MAS 403/0BT AD

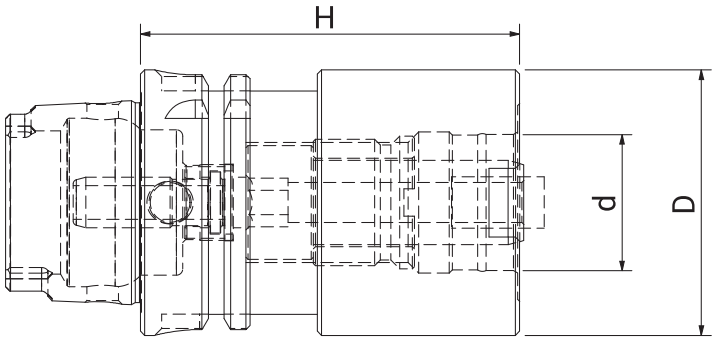


CODE N.	DESCRIPTION	ISO	H	D	d
280-11401	BT40H27VAR50	40	27	50	27
280-11402	BT40H35VAR63	40	35	63	32
280-11403	BT40H50VAR50	40	50	50	27
280-11404	BT40H50VAR63	40	50	63	32
280-11405	BT50H40VAR50	50	40	50	27
280-11406	BT50H50VAR50	50	50	50	27
280-11407	BT50H50VAR63	50	50	63	32
280-11408	BT50H50VAR80	50	50	80	32

MODULAR GROUNDHOLDERS

MODULAR GRUNDHALTER ATTACCHI BASE MODULARI
ADAPTADORES BÁSICOS MODUALRES ATTACHEMENTS BASE MODULAIRE
МОДУЛЬНЫЕ БАЗОВЫЕ ДЕРЖАТЕЛИ 模块转接柄

DIN 69893 HSK A

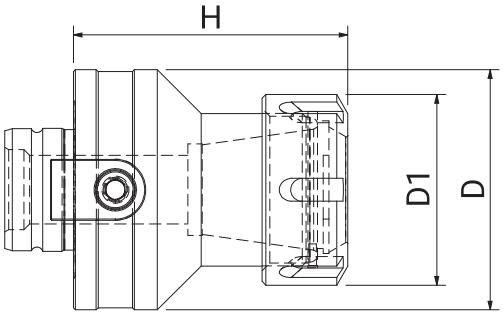


CODE N.	DESCRIPTION	H	D	d
280-11801	HSK63AH75VAR50	75	50	27
280-11802	HSK63AH85VAR63	85	63	32
280-11803	HSK100H80VAR50	80	50	27
280-11804	HSK100H90VAR63	90	63	32
280-11805	HSK100H90VAR80	90	80	32

ER COLLET CHUCK ADAPTERS

ER SPANNZANGENFUTTER ADAPTER ADATTATORI PORTAPINZE TIPO ER
ADAPTADORES PORTAPINZAS TÍPO ER ADAPTATEURS PORTE-PINCE ER
ЦАНГОВЫЕ АДАПТОРЫ 弹簧夹头刀柄转换器

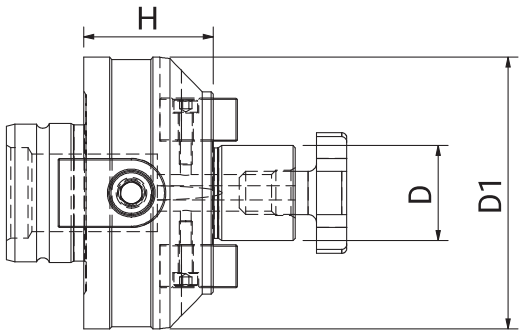
DIN 6469



CODE N.	DESCRIPTION	D	H	D1
284-36331	VAR50H63ER20	50	63	35
284-36332	VAR50H63ER25	50	63	42
284-36333	VAR50H65ER32	50	65	50
284-36334	VAR63H77ER32	63	77	50
284-36335	VAR63H86ER40	63	86	63
284-36336	VAR80H90ER40	80	90	62

FACE MILL ADAPTERS

FRÄSDORN ADAPTER ADATTATORI PORTAFRESE
ADAPTADORES PORTAFRESAS ADAPTATEURS PORTE-FRAISE
АДАПТОРЫ ДЛЯ НАСАДНЫХ ФРЕЗ 面铣刀柄转换器



CODE N.	DESCRIPTION	D1	H	D
217-90601	VAR50H30D16	50	30	16
217-90602	VAR50H20D22	50	20	22
217-90603	VAR50H20D27	50	20	27
217-90604	VAR50H25D32	50	25	32
217-90605	VAR63H30D22	63	30	22
217-90606	VAR63H30D27	63	30	27
217-90607	VAR63H30D32	63	30	32
217-90608	VAR63H30D40	63	30	40
217-90609	VAR80H30D27	80	30	27
217-90610	VAR80H30D32	80	30	32
217-90612	VAR80H30D40	80	30	40

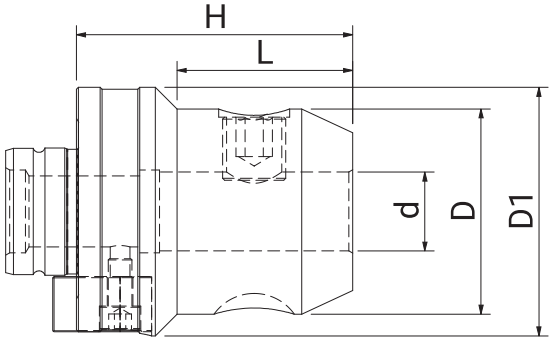
06

KINTEK

WELDON ADAPTERS

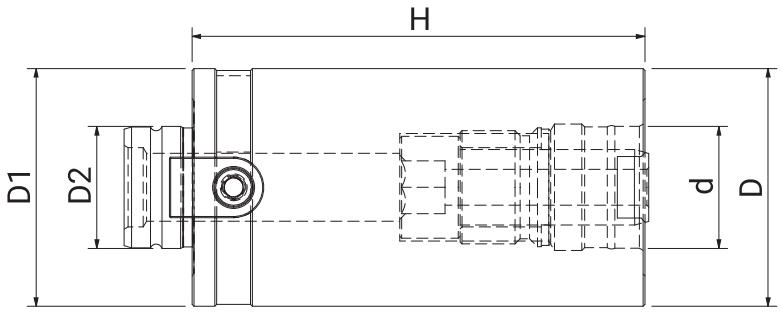
WELDON ADAPTER ADATTATORI PER FRESE TIPO WELDON
ADAPTADORES WELDON ADAPTATEURS WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON 威尔登式端铣夹具

DIN 1835 B



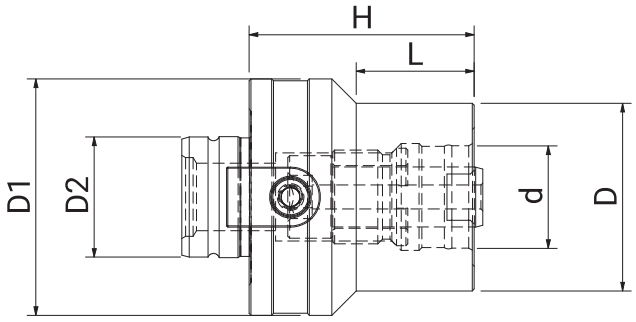
CODE N.	DESCRIPTION	d	H	D	D1	L
217-90321	VAR50H50WE06	6	50	25	50	25
217-90322	VAR50H50WE08	8	50	28	50	25
217-90323	VAR50H50WE10	10	50	38	50	28
217-90324	VAR50H60WE12	12	60	42	50	36
217-90325	VAR50H60WE14	14	60	44	50	37
217-90326	VAR50H60WE16	16	60	48	50	39
217-90327	VAR50H60WE18	18	60	50	50	45
217-90328	VAR50H60WE20	20	60	52	50	47
217-90329	VAR50H80WE25	25	80	65	50	66
217-90330	VAR63H70WE10	10	70	35	63	36
217-90331	VAR63H70WE12	12	70	42	63	39,5
217-90332	VAR63H70WE14	14	70	44	63	40,5
217-90333	VAR63H70WE16	16	70	48	63	42,5
217-90334	VAR63H70WE18	18	70	50	63	43,5
217-90335	VAR63H70WE20	20	70	52	63	44,5
217-90336	VAR63H80WE25	25	80	62	63	59,5
217-90337	VAR63H80WE32	32	80	63	63	64,5
217-90338	VAR63H90WE40	40	90	80	63	70
217-90339	VAR80H70WE16	16	70	48	80	32
217-90340	VAR80H70WE20	20	70	52	80	34
217-90341	VAR80H80WE25	25	80	65	80	50,5
217-90342	VAR80H80WE32	32	80	72	80	54
217-90343	VAR80H90WE40	40	90	79	80	67,5

EXTENTIONS
VERLÄNGERUNGEN PROLUNGHE
EXTENSIONES RALLONGES
УДЛИНИТЕЛИ 延长杆



CODE N.	DESCRIPTION	D	H	d	D1	D2
281-26401	VAR50H60VAR50	50	60	27	50	27
281-26402	VAR50H80VAR50	50	80	27	50	27
281-26403	VAR50H100VAR50	50	100	27	50	27
281-26404	VAR63H80VAR63	63	80	32	63	32
281-26405	VAR63H120VAR63	63	120	32	63	32
281-26406	VAR80H80VAR80	80	80	32	80	32
281-26407	VAR80H100VAR80	80	100	32	80	32
281-26408	VAR80H120VAR80	80	120	32	80	32
281-26409	VAR80H140VAR80	80	140	32	80	32
281-26410	VAR80H160VAR80	80	160	32	80	32

REDUCTIONS
REDUZIERUNGEN RIDUZIONI
REDUCCIONES RÉDUCTIONS
ПЕРЕХОДНИКИ 缩径杆



CODE N.	DESCRIPTION	D1	H	L	D	D2	d
217-90214	VAR63H60VAR50	63	60	31,5	50	32	27
217-90215	VAR80H80VAR63	80	80	49,5	63	32	32

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STANDARD TOOLHOLDERS AND ACCESSORIES

MANDRINI STANDARD E ACCESSORI

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STANDARD TOOLHOLDERS AND ACCESSORIES

MANDRINI STANDARD E ACCESSORI

STANDARD STEILKEGELAUFNAHMEN UND ZUBEHÖR

CONOS ESTANDAR Y ACCESORIOS

MANDRINS STANDARD ET ACCESSOIRES

ОПРАВКИ SK (7:24) И ЗАПАСНЫЕ ЧАСТИ

和元件安装

- **DIN 69871** A-AD/B-AD pagg. **088-117**
- **JIS B 6339** **MAS 403/BT** A-AD/B-AD pagg. **118-149**
- **DIN 2080** pagg. **150-163**
- **ACCESSORIES** pagg. **164-204**
- **KIT** pagg. **206-207**

KINTEK®

COMPONENTI INNOVATIVI TECNOMECCANICI

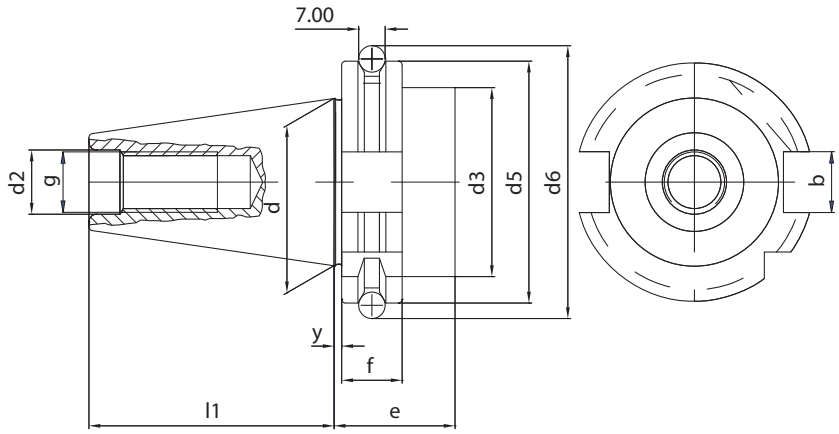
DIN 69871

A-AD/B-AD

TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
CARACTERISTICAS TECNICAS DE LOS CONOS DONNEES TECHNIQUES QUEUE D'OUTILS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ 锥柄数据表

DIN 69871 A DIN 69871 AD/B - DIN 69871/A



ISO	d	l1	d2	g	y	d5	f	d3	d6	e	b
30	31,75	47,8	13	M12	3,2	50	15,9	45	59,3	35	16,1
40	44,45	68,4	17	M16	3,2	63,55	15,9	50	72,3	35	16,1
50	69,85	101,75	25	M24	3,2	97,5	15,9	80	107,25	35	25,7

TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
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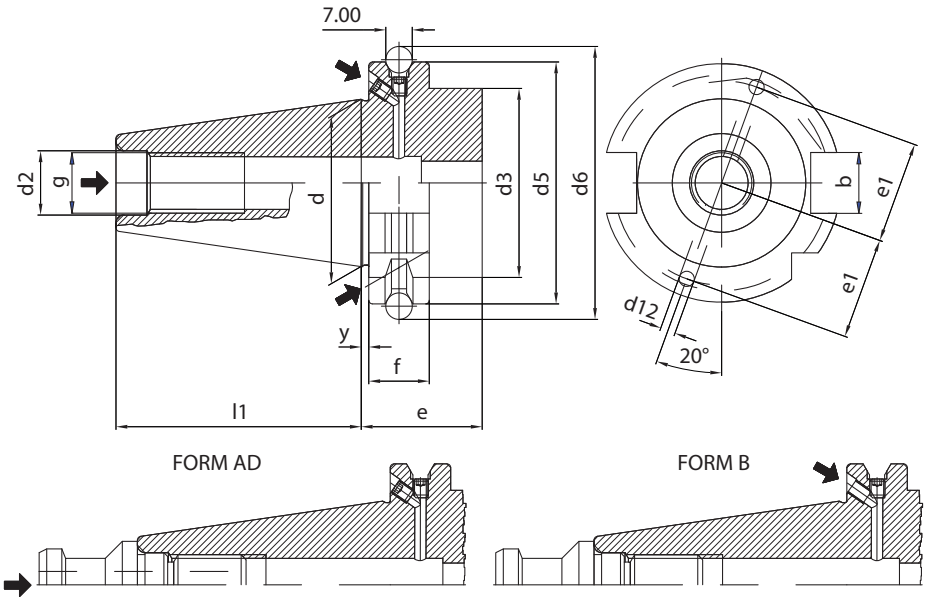
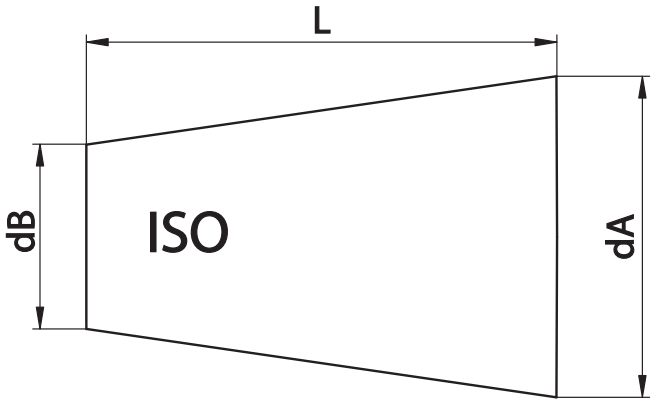
DIN 69871 A DIN 69871 AD/B - DIN 69871 AD/B



ISO	d	l1	d2	g	y	d5	f	d3	d6	e	b	d12	e
40	44,45	68,4	17	M16	3,2	63,55	15,9	50	72,3	35	16,1	4	27
50	69,85	101,75	26	M24	3,2	97,5	15,9	80	107,25	35	25,7	5	42

For coolant through V-flange bores (B) or center of toolholders (AD). For central coolant, the V-flange channels are closed by socket screws.
Il lubrificante passa dai fori sulla flangia (B) oppure, chiudendo i fori con le apposite viti, dal centro del mandrino (AD).
El refrigerante pasa por los agujeros de la valona (B) o, cerrando los agujeros con los correctos tornillos, por el centro del cono (AD).
Das Kühlmittel geht durch die Löcher am Bund (B) oder, wenn die Löcher mit den Schrauben geschlossen werden, zentral durch Aufnahme (AD).
Le lubrifiant passe par les trous de la bride (B) ou, si on ferme les trous avec des vis, par le centre du mandrin (AD).
Для подачи СОЖ через отверствия во фланце (форма B) или через центральное отверстие (форма AD). Для подачи СОЖ через центральное отверстие боковые должны быть закрыты винтами.
冷却剂需通过V型法兰孔（B）或刀柄（AD）。对于中央冷却剂，V型法兰通道是由凹头螺丝拧紧的。



CONE'S TOLERANCE
ACCORDING TO THE CLASS AT3.

TOLLERANZA DEL CONO
PRODOTTI IN CLASSE AT3.

KEGELSCHAFTTOLERANZ
IN KLASSE AT3 ANGEFERTIGT.

TOLERANCIA DEL CONO
PRODUCIDOS EN CLASE AT3

TOLERANCE DU CONE
EN CLASSE AT3.

ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

KINTEK DIN TOOLHOLDERS

TECHNICAL FEATURES

DIN 69871 A DIN 69871 AD/B

ALL KINTEK TOOLHOLDERS ARE MANUFACTURED ACCORDING TO DIN NORM.

COLLET CHUCK'S RUNOUT ACCURACY
The norm DIN6391 permits a runout error between external cone and internal cone / collet seat of 0.016. Our production has a runout accuracy which is guaranteed to be within 0,003 / 0,010 m at the tool seat.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY
Our shell end mill adaptors meet the requirements of the norm DIN6358, which prescribes for diameters 16-22-27-32-40 a runout accuracy of:
0, 01 for SK 30/40 0,015 for SK 50.

WELDON END MILL HOLDER'S RUNOUT ACCURACY
According to the norm DIN6359-1 Weldon end mill holders have to meet the following requirements:
Bore: H5 tolerance
Runout accuracy: < 0.01 (for SK 40)
Our end mill adaptors ensure the prescribed holes' tolerance and have a runout accuracy which is normally 0.005

BALANCING
The major part of toolholders of this category can run up to 8000 rpm grade G 6,3 or 12000 rpm. Besides the descriptive and dimensional table of products, you can find the addictive balancing grade.

CONSTRUCTIVE FEATURES
- Manufactured with Casehardening Steel.
- Casehardened with depth 0,6 - 0,8 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Internal and external grinding finished.

NEW HIGH-SPEED BALANCING TOOLHOLDERS
The new high-speed toolholders are balanced in the Grade G 2,5 at 25000 rpm.

CONSTRUCTIVE FEATURES FOR HIGH-SPEED TOOLHOLDERS
- Manufactured with casehardening Steel.
- Casehardened with depth 0,6 - 0,8 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Internal and external grinding finish of the cone
- Grinding finish on the front side and on the thread of collet nuts.
- Tested 100% with certified measuring instruments and supplied with balancing certificate

MANDRINI KINTEK CON ATTACCO ISO

DATI TECNICI

DIN 69871 A DIN 69871 AD/B

TUTTI I MANDRINI PORTAUTENSILI KINTEK VENGONO PRODOTTI SECONDO LE NORMATIVE DIN

COASSIALITÀ PORTAPINZE
La norma DIN6391 ammette un errore massimo di 0.016 sia per i portapinze DIN6499/ISO15488 che per DIN6388.
La nostra produzione normalmente presenta uno scostamento massimo di eccentricità tra cono ISO e sede pinza compreso tra i 0,003 e 0,010 mm.

COASSIALITÀ PORTAFRESE FISSI E COMBINATI
I portafrese fissi e combinati di nostra produzione rispondono ai criteri prescritti dalla norma DIN6358, la quale prevede un errore massimo di coassialità tra cono ISO 30 e ISO 40 ed i diametri 16-22-27-32-40, di 0,01.
Mentre per ISO 50 è ammesso un errore massimo di 0,015 mm.

COASSIALITÀ PORTAFRESE WELDON WHISTLE NOTCH
Rispettando la normativa DIN 6359-1 i portafrese WELDON deveno rispondere ai seguenti requisiti:
foro: tolleranza H5
coassialitá: scostamento massimo consentito tra cono e sede Weldon <0.01 (per ISO 40)
Garantiamo la tolleranza prescritta sul foro e un valore di coassialitá mediamente di 0.005.

EQUILIBRATURA
La maggior parte dei portautensili presenti in questa categoria sono prebilanciati in classe G 6,3 8000 rpm min -1. o bilanciati a 12000 giri rpm min-1.
A fianco della tabella descrittiva e dimensionale dei prodotti viene elencato il grado di equilibratura aggiuntiva.

DATI COSTRUTTIVI
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza

EQUILIBRATURA MANDRINI PER ALTE VELOCITÀ
I mandrini presenti nella linea nuova ad alta velocità vengono bilanciati in classe G 2,5 a 25000 rpm min - 1.

DATI COSTRUTTIVI MANDRINI PER ALTE VELOCITÀ
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna del cono
- Rettifica parte anteriore e nelle filettature delle ghiere chiudipinza
- Collaudati 100% con strumenti di misura certificati e forniti con certificato di bilanciatura.

KINTEK - STEILKEGELAUFNAHMEN

TECHNISCHE DATEN

DIN 69871 A DIN 69871 AD/B

ALLE KINTEK-STEILKEGELAUFNAHMEN WERDEN NACH DEN DIN-NORMEN ANGEFERTIGT.

SPANNZANGENAUFNAHME RUNDLAUFGENAUIGKEIT
Die DIN 6391- Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel / Spannzangensitz vom 0,016 vor. Unsere Spannzangenfutter weisen einen Rundlauffehler zwischen ISO-Kegelaufnahme und Spannzangensitz, der zwischen 0,003 und 0,010 mm liegt.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Kintek- Aufsteckfräsdorne entsprechen der DIN 6358- Norm, die einen höchsten Rundlauffehler zwischen ISO 30- und ISO40- Kegel und den Durchmessern 16-22-27-32-40 vom 0,01 vorsieht. Der mögliche höchste Rundlauffehler für ISO 50 ist 0,015 mm.

WELDON AUFSTECKFRÄSDORNE RUNDLAUFGENAUIGKEIT
Nach der DIN 6359-1-Norm müssen die Weldon-Aufsteckfräsdorne die folgenden Forderungen aufweisen:
Bohrung: Toleranz H5
Rundlaufgenauigkeit: höchster möglicher Rundlauffehler zwischen Kegel und Weldonsitz < 0,01 (für ISO 40) Die vorgeschriebene Toleranz der Bohrung und eine durchschnittliche Rundlaufgenauigkeit von 0,005 sind erreicht.

WUCHTUNG
Die meisten Werkzeughalter dieser Gruppe sind in Klasse G6,3 auf 8.000 U/Min -1 vorgewuchtet oder auf 12.000 U/Min -1 gewuchtet.
Neben der Übersichtstabelle der Produkte wird die Wuchtgüte angegeben.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,6-0,8 mm
- gehärtet, angelassen
- Härte HRC58 +-2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen und am Gewinde der Spannzangenmutter

WUCHTUNG FÜR HÖHERE DREHZAHLEN
Die Hochgeschwindigkeit- Steilkegelaufnahmen der neuen Linie werden in Klasse G2,5 auf 25.000 U/Min -1 gewuchtet.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,6-0,8 mm
- gehärtet, angelassen
- Härte HRC 58 +- 2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen des Kegels
- Schleifen der Vorderseite und am Gewinde der Spannzangenmutter
- 100% durch zertifizierte Meßinstrumente geprüft und mit Wuchtungsprotokoll geliefert

CONOS KINTEK CON ACOPLAMIENTO ISO

CARACTERISTICAS TECNICAS

DIN 69871 A DIN 69871 AD/B

TODOS LOS CONOS PORTAHERRAMIENTAS DE KINTEK SON FABRICADOS DE ACUERDO CON LAS NORMATIVAS DIN

CONCENTRICIDAD DE LOS PORTAPINZAS
La normativa DIN6391 permite un error máximo de 0.016 tanto para los portapinzas DIN6499/ISO15488 como para los DIN6388. Nuestra producción suele presentar una desviación máxima de concentricidad entre el cono ISO y la base de la pinza comprendido entre 0,003 y 0,010 mm.

CONCENTRICIDAD DE LOS PORTAFRESAS
Los portafresas de nuestra producción cumplen los criterios establecidos desde la normativa DIN6358, que prevé un error máximo de concentricidad entre los conos ISO 30 y ISO 40 y los diámetros 16-22-27-32-40 de 0,01, mientras que para los conos ISO 50 de 0,015 mm.

CONCENTRICIDAD DE LOS PORTAFRESAS WELDON
Respetando la normativa DIN6359-1 los porta fresas Weldon tienen que cumplir los siguientes requisitos:
Agujero: tolerancia H5
Concentricidad: desviación máxima entre cono y base Weldon <0.01 (para ISO40)
Garantizamos la tolerancia establecida sobre el agujero y un valor de concentricidad normalmente de 0.005

EQUILIBRADO
La mayoría de los porta herramientas presentes en esa categoría son pre-equilibrados en clase G 6,3 a 8000 rpm min -1 o equilibrados a 12000 rpm min-1.
Al lado de la tabla descriptiva y dimensional de los productos va mencionado el grado de equilibrado adicional.

CARACTERISTICAS DE CONSTRUCCION
- Fabricados con acero de cementación
- Capa de cementado con 0,6 – 0,8 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior, exterior y en el roscado de la tuerca de cierre rectificados

EQUILIBRADO PARA CONOS DE ALTA VELOCIDAD
Los conos que están presentes en la nueva línea de alta velocidad son equilibrados en clase G 2,5 a 25000 rpm min -1.

CARACTERISTICAS DE CONSTRUCCION PARA CONOS DE ALTA VELOCIDAD
- Fabricados con acero de cementación
- Capa de cementado con 0,6 – 0,8 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior y exterior rectificados
- Rectificados en la parte anterior y en el roscado de la tuerca de cierre
- Testado 100% y con certificado de calidad

MANDRINS KINTEK AVEC ATTACHEMENT ISO

DONNEES TECHNIQUES

DIN 69871 A DIN 69871 AD/B

TOUS LES MANDRINS PORTE-OUTILS KINTEK SONT PRODUITS SUIVANT LES SPÉCIFICATIONS DIN

COAXIALITE' PORTE-PINCE
La norme DIN6391 admet une erreur maximum du 0.016 soit pour les porte-pinces DIN6499/ISO15488 soit pour DIN6388.
Dans notre production l'écart d'excentricité maximum entre cône ISO et logement de la pince est compris entre: 0,003 et 0,0010 mm.

COAXIALITE' PORTE-FRAISES FIXES ET COMBINES
Les porte-fraises fixes et combinés de notre production suivent la spécification de la norme DIN6358, qui prévoit pour les diamètres 16-22-27-32-40 une concentricité de 0,01 pour ISO 30 et ISO 40 0,015 pour ISO 50

COAXIALITE' PORTE-FRAISES WELDON
Suivant les spécifications DIN 6359-1 les porte-fraises WELDON doivent suivre les conditions suivantes:
Trou : tolérance H5
Coaxialité: écart maximum toléré entre cône et logement du Weldon <0.01 (pour ISO 40).
Nous assurons la tolérance prévue sur le trou et une coaxialité en moyenne de 0.005.

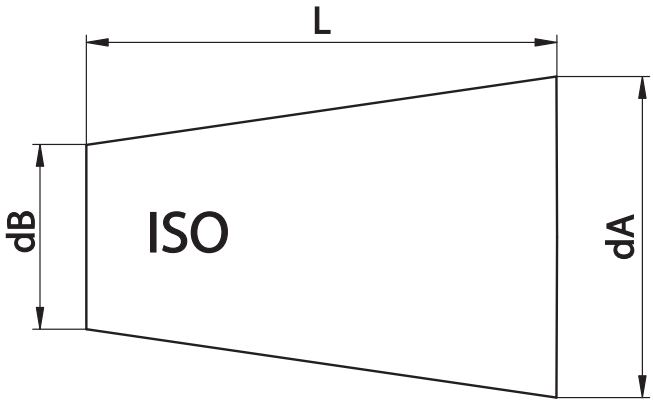
EQUILIBRAGE
La plupart des porte-outils sont pré-équilibrés en classe G 6,3 8000 Tr/Min -1. ou équilibrés à 12000 Tr/Min-1.

A côté du tableau de description et dimensions des produits il y a l'indication de la valeur d'équilibrage additionnel.

ELEMENTS DE CONSTRUCTION
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,6 - 0,8 mm
- Trempés - Revenus
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Rectification du cône intérieur, extérieur et dans le filetage des écrous qui serrent la pince.

EQUILIBRAGE MANDRINS POUR HAUTE VITESSE
Les mandrins de la nouvelle ligne à haute vitesse sont équilibrés en classe G 2,5 à 25000 Tr/mn-1.

ELEMENTS DE CONSTRUCTION POUR MANDRINS HAUTE VITESSE
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,6 - 0,8 mm
- Trempé - Revenu
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Finition de rectification intérieure, extérieure et du cône
- Rectification du cône intérieur et dans le filetage des écrous qui serrent la pince.
- Contrôlés à 100 % avec des instruments de mesure certifiés et livrés avec un certificat d'équilibrage.



ТОЧНОСТЬ КОНУСА
СООТВЕТСТВУЕТ КЛАССУ AT3.

锥体的误差
根据 AT3 级别

ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

ОПРАВКИ KINTEK ПО DIN — ТЕХНИЧЕСКОЕ ОПИСАНИЕ

DIN 69871 A DIN 69871 AD/B

ВСЕ ОПРАВКИ KINTEK ПРОИЗВЕДЕНЫ СОГЛАСНО СТАНДАРТУ DIN.

БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
В соответствие с нормами DIN6391, допустимое биение конуса оправки относительно конического отверстия под цангу составляет 0,016 мм. Гарантированная точность биения отверстия под инструмент - 0,003 мм/0,010 м.

БИЕНИЕ ОПРАВОК ДЛЯ НАСАДНЫХ ФРЕЗ
Патроны изготовлены в соответствие с требованиями DIN 6358, согласно которым биение для диаметров 16-22-27-32-40 составляет 0,01 мм для SK 30/40 и 0,015 мм для SK 50.

БИЕНИЕ ПАТРОНОВ С КРЕПЛЕНИЕМ WELDON
Оправки соответствуют следующим требованиям DIN 6359-1:
Точность отверстия: H5
Биение: < 0,01 (для SK 40)
Оправки Kintek изготовлены с гарантированной точностью отверстий и биением 0,005 мм.

БАЛАНСИРОВКА
Оправки данной категории предварительно сбалансированы по классу G6,3 при 8000 об/мин или 12000 об/мин.

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,6 - 0,8 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внутренняя и внешняя поверхности

НОВЫЕ ВЫСОКОСКОРОСТНЫЕ СБАЛАНСИРОВАННЫЕ ОПРАВКИ
Новые высокоскоростные оправки сбалансированы до класса G 2,5 при 25000 об/мин.

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ ВЫСОКОСКОРОСТНЫХ ОПРАВОК
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,6 - 0,8 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внутренняя и внешняя поверхности
- Шлифованный торец и резьба под гайку в цанговых патронах
- Каждая оправка испытана и поставляется с сертификатом о балансировке

KINTEK 符合 DIN 标的刀柄 — 技术特点

DIN 69871 A DIN 69871 AD/B

所有 KINTEK 刀柄均根据 DIN 标准来制造。

弹簧夹头的径向跳动精度
DIN6391 标准允许在外部锥体与内部锥体/夹头座之间的径向跳动误差为0.016。
我公司的生产保证在工具底座处径向跳动精度为 0,003 / 0,010 米之间。

平面铣接头的径向跳动精度
我公司的平面铣接头满足 DIN6358 标准要求，该标准规定了直径为 16-22-27-32-40 的径向跳动精度，
对于SK 30/40 为0, 01，对于SK 50为0,015。

威尔登式端铣夹具的径向跳动精度
根据 DIN6359-1 标准规定，威尔登式端铣夹具必须要达到下列要求：
孔：H5 误差
径向跳动精度：< 0.01 (对于 SK 40)
我公司的平面铣接头确保可达到规定的孔的误差，通常的径向跳动精度为 0.005。

平衡
这种类型的刀柄的主要部分最高转速可达到 G 6,3 级的 8000 转/分钟或 12000 转/分钟。

结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,6 - 0,8 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- 黑色氧化。
- 内部及外部表面打磨处理。

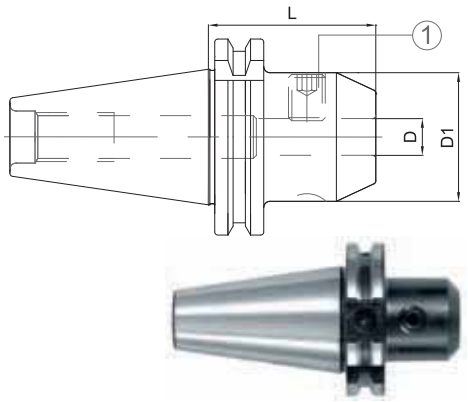
新型高速平衡刀柄
新型高速平衡刀柄在 G 2,5 级，25000 转/分钟达到平衡。

高速刀柄的结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,6 - 0,8 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N/ 平方毫米。
- 黑色氧化。
- 锥体内部及外部表面打磨处理。
- 夹头螺母螺纹正面和上面进行打磨处理。
- 使用经过认证的测量仪器检测，供货时提供平衡检测证书。

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON
MANDRINI PORTAFRESE TIPO WELDON
MANDRINS POUR OUTILS TYPE WELDON
威尔登式端铣夹具

DIN 69871 AD - DIN 1835 B



CODE N.	DESCRIPTION	ISO	D	L	D1	G2,5 25000 RPM
213-91301	TC40H50WE06	40	6	50	25	•
213-91302	TC40H50WE08	40	8	50	28	•
213-91303	TC40H50WE10	40	10	50	35	•
213-91304	TC40H50WE12	40	12	50	42	•
213-91306	TC40H63WE16	40	16	63	48	•
213-91308	TC40H63WE20	40	20	63	52	•
213-91309	TC40H100WE25	40	25	100	65	•
213-91310	TC40H100WE32	40	32	100	72	•
213-91319	TC50H63WE20	50	20	63	52	•
213-91320	TC50H80WE25	50	25	80	65	•
213-91321	TC50H100WE32	50	32	100	72	•

Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

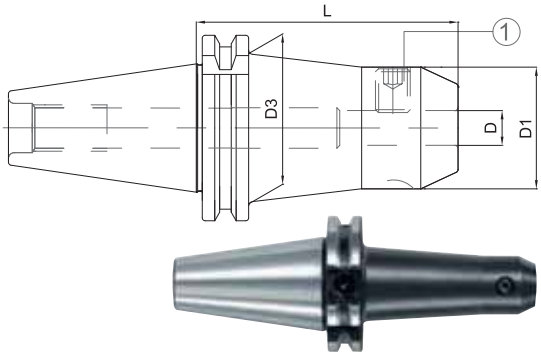
D	LOCKING SCREW	QUANTITY
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

HIGH BALANCED

END MILL HOLDERS WELDON-LONG PROJECTION TYPE

ZYLINDERSCHAFTAUFNAHME WELDON-LANG
CONOS PORTAHERRAMIENTAS WELDON - SERIE LARGA
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. УДЛИНЕННОЕ ИСПОЛНЕНИЕ
MANDRINI PORTAFRESE TIPO WELDON-SERIE LUNGA
MANDRINS POUR OUTILS TYPE WELDON-SERIE LONGUE
威尔登式端铣夹具-长形凸点式

DIN 69871 AD - DIN 1835 B



	CODE N.	DESCRIPTION	ISO	D	L	D1	D3	G2,5 25000 RPM
H100	213-91324	TC40H100WE06	40	6	100	25	35	•
	213-91325	TC40H100WE08	40	8	100	28	38	•
	213-91326	TC40H100WE10	40	10	100	35	40	•
	213-91327	TC40H100WE12	40	12	100	42	-	•
	213-91329	TC40H100WE16	40	16	100	48	-	•
	213-91331	TC40H100WE20	40	20	100	50	-	•

Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

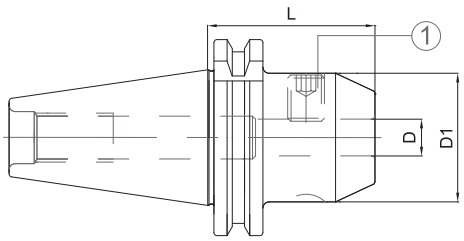
D	LOCKING SCREW	QUANTITY
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

HIGH BALANCED

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON
MANDRINI PORTAFRESE TIPO WELDON
MANDRINS POUR OUTILS TYPE WELDON
威尔登式端铣夹具

DIN 69871 AD - DIN 1835 B



CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 12000 RPM
263-11201	TC30H45WE06	30	6	45	25	•
263-11202	TC30H45WE08	30	8	45	28	•
263-11203	TC30H50WE10	30	10	50	35	•
263-11204	TC30H50WE12	30	12	50	42	•
263-11205	TC30H70WE16	30	16	70	48	•
263-11206	TC30H70WE20	30	20	70	52	•
213-11326	TC40H50WE06	40	6	50	25	•
213-11327	TC40H50WE08	40	8	50	28	•
213-11328	TC40H50WE10	40	10	50	35	•
213-11329	TC40H50WE12	40	12	50	42	•
213-11330	TC40H50WE14	40	14	50	44	•
213-11324	TC40H63WE16	40	16	63	48	•
213-11331	TC40H63WE18	40	18	63	50	•
213-11325	TC40H63WE20	40	20	63	52	•
213-11323	TC40H100WE25	40	25	100	65	•
213-11332	TC40H100WE32	40	32	100	72	•
213-11393	TC40H115WE40	40	40	115	80	•
213-11333	TC50H63WE06	50	6	63	25	•
213-11334	TC50H63WE08	50	8	63	28	•
213-11335	TC50H63WE10	50	10	63	35	•
213-11336	TC50H63WE12	50	12	63	42	•
213-11337	TC50H63WE14	50	14	63	44	•
213-11338	TC50H63WE16	50	16	63	48	•
213-11339	TC50H63WE18	50	18	63	50	•
213-11340	TC50H63WE20	50	20	63	52	•
213-11341	TC50H80WE25	50	25	80	65	•
213-11342	TC50H100WE32	50	32	100	72	•
213-11343	TC50H120WE40	50	40	120	80	•
263-11343	TC50H120WE50	50	50	120	100	•

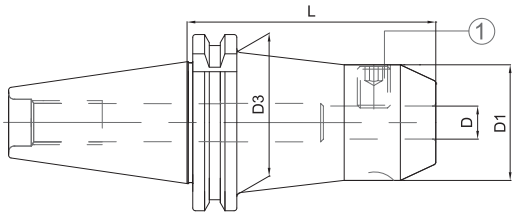
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

D	LOCKING SCREW	QUANT.
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2
40	811-106009	2
50	811-106011	2

END MILL HOLDERS WELODN – LONG PROJECTION TYPE

ZYLINDERSCHAFTAUFNAHME WELDON-LANG | MANDRINI PORTAFRESE TIPO WELDON-SERIE LUNGA
CONOS PORTAHERRAMIENTAS WELDON - SERIE LARGA | MANDRINS POUR OUTILS TYPE WELDON-SERIE LONGUE
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. УДЛИНЕННОЕ ИСПОЛНЕНИЕ | 威尔登式端铣夹具-长形凸点式

DIN 69871 AD - DIN 1835 B



	CODE N.	DESCRIPTION	ISO	D	L	D1	D3	G6,3 12000 RPM	G6,3 8000 RPM
H 100	213-11344	TC40H100WE06	40	6	100	25	35	•	
	213-11345	TC40H100WE08	40	8	100	28	38	•	
	213-11346	TC40H100WE10	40	10	100	35	40	•	
	213-11347	TC40H100WE12	40	12	100	42	-	•	
	213-11348	TC40H100WE14	40	14	100	44	-	•	
	213-11349	TC40H100WE16	40	16	100	48	-	•	
	213-11370	TC40H100WE18	40	18	100	50	-	•	
	213-11350	TC40H100WE20	40	20	100	50	-	•	
	213-11323	TC40H100WE25	40	25	100	65	-	•	
	213-11332	TC40H100WE32	40	32	100	72	-	•	
	213-11351	TC50H100WE06	50	6	100	25	35		•
	213-11352	TC50H100WE08	50	8	100	28	38		•
	213-11353	TC50H100WE10	50	10	100	35	42		•
	213-11354	TC50H100WE12	50	12	100	42	48		•
	213-11355	TC50H100WE14	50	14	100	44	50		•
	213-11356	TC50H100WE16	50	16	100	48	54		•
	213-11357	TC50H100WE18	50	18	100	50	56		•
	213-11358	TC50H100WE20	50	20	100	52	59		•
	213-11359	TC50H100WE25	50	25	100	65	-		•
H 160	213-11362	TC40H160WE06	40	6	160	25	35	•	
	213-11363	TC40H160WE08	40	8	160	28	38	•	
	213-11371	TC40H160WE10	40	10	160	35	40	•	
	213-11372	TC40H160WE12	40	12	160	42	-	•	
	213-11360	TC40H160WE16	40	16	160	48	-	•	
	213-11361	TC40H160WE20	40	20	160	50	-	•	
	213-11396	TC40H160WE25	40	25	160	65	-	•	
	213-11397	TC40H160WE32	40	32	160	72	-	•	
	213-11364	TC50H160WE06	50	6	160	25	35		•
	213-11365	TC50H160WE08	50	8	160	28	38		•
	213-11366	TC50H160WE10	50	10	160	35	42		•
	213-11367	TC50H160WE12	50	12	160	42	48		•
	213-11368	TC50H160WE16	50	16	160	48	54		•
	213-11369	TC50H160WE20	50	20	160	52	59		•
	263-11301	TC50H160WE25	50	25	160	65	70		•
	263-11302	TC50H160WE32	50	32	160	72	-		•
H 200	263-11303	TC40H200WE06	40	6	200	25	38		•
	263-11304	TC40H200WE08	40	8	200	28	41		•
	263-11305	TC40H200WE10	40	10	200	35	43		•
	263-11306	TC40H200WE12	40	12	200	42	48		•
	263-11308	TC40H200WE16	40	16	200	48	-		•
	263-11310	TC40H200WE20	40	20	200	50	-		•
	263-11311	TC40H200WE25	40	25	200	65	-		•
	263-11312	TC40H200WE32	40	32	200	72	-		•
	263-11313	TC50H200WE06	50	6	200	25	38		•
	263-11314	TC50H200WE08	50	8	200	28	41		•
	263-11315	TC50H200WE10	50	10	200	35	45		•
	263-11316	TC50H200WE12	50	12	200	42	51		•
	263-11318	TC50H200WE16	50	16	200	48	57		•
	263-11320	TC50H200WE20	50	20	200	52	61		•
	263-11321	TC50H200WE25	50	25	200	65	72		•
	263-11381	TC50H200WE32	50	32	200	72	-		•

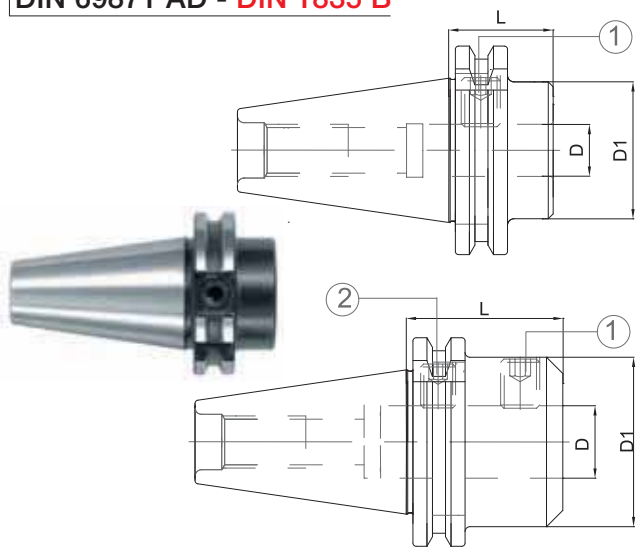
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

D	LOCKING SCREW	QUANTITY
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

SHORT END MILL WELDON HOLDERS

KURZE ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON CORTOS
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. КОРОТКОЕ ИСПОЛНЕНИЕ
MANDRINI CORTI PORTAFRESE TIPO WELDON
MANDRINS COURTS PORTE-FRAISE TYPE WELDON
威尔登式短端铣刀夹具

DIN 69871 AD - DIN 1835 B



Extra short and Rigid Version
Extra corti e versione rigida
Extra cortos y versión rígida
Extrakurze und feste Ausführung

Extra courts et version rigide
Экстракороткое и жесткое исполнение
超短及坚固型

CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 12000 RPM
263-11322	TC40H35WE16	40	16	35	44	•
263-11323	TC40H35WE20	40	20	35	44	•
263-11324	TC40H35WE25	40	25	35	44	•
263-11325	TC40H60WE25	40	25	60	49	•
263-11326	TC40H70WE32	40	32	70	72	•
263-11327	TC50H35WE16	50	16	35	70	•
263-11328	TC50H35WE20	50	20	35	70	•
263-11329	TC50H35WE25	50	25	35	70	•
263-11330	TC50H35WE32	50	32	35	80	•

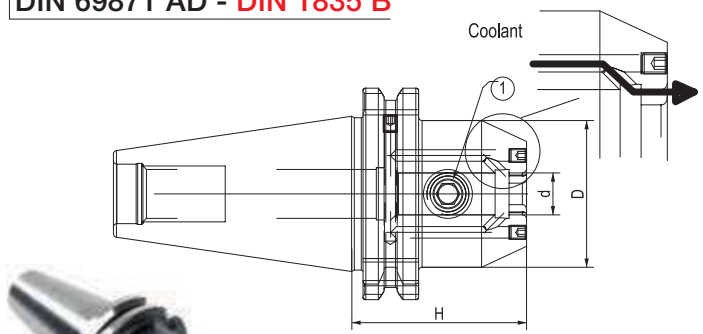
Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

CODE N.	LOCKING SCREW ❶	QUANT.	LOCKING SCREW ❷	QUANT.
263-11322	811-106006	1	-	-
263-11323	811-106007	1	-	-
263-11324	811-106014	1	-	-
263-11325	811-106014	2	-	-
263-11326	811-106009	1	811-106026	1
263-11327	811-106006	1	-	-
263-11328	811-106007	1	-	-
263-11329	811-106008	1	-	-
263-11330	811-106009	1	-	-

END MILL HOLDERS WELDON WITH COOLANT CHANNELS

STEILKEGELAUFNAHMEN WELDON MIT KÜHLKANÄLE
CONOS PORTAHERRAMIENTAS WELDON CON REFRIGERACION
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ
PORTAFRESE TIPO WELDON CON LUBRIFICAZIONE
PORTE-FRAISES TYPE WELDON AVEC CANAL D'ARROSAGE
威尔登式端铣夹具，配备出水结构

DIN 69871 AD - DIN 1835 B



Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

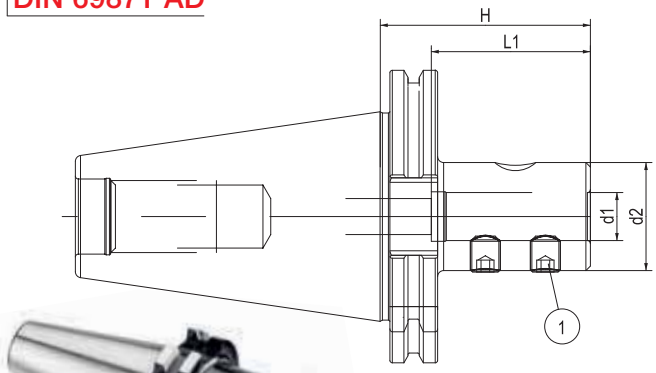
D	LOCKING SCREW	QUANT.
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2
40	811-106009	2

CODE N.	DESCRIPTION	ISO	d	H	D	G6,3 12000
213-61325	TC40H50WE06-IK	40	6	50	25	•
213-61326	TC40H50WE08-IK	40	8	50	28	•
213-61327	TC40H50WE10-IK	40	10	50	35	•
213-61328	TC40H50WE12-IK	40	12	50	42	•
213-61329	TC40H50WE14-IK	40	14	50	44	•
213-61330	TC40H63WE16-IK	40	16	63	48	•
213-61331	TC40H63WE18-IK	40	18	63	50	•
213-61332	TC40H63WE20-IK	40	20	63	52	•
213-61333	TC40H100WE25-IK	40	25	100	63	•
213-61334	TC40H100WE32-IK	40	32	100	72	•
213-61345	TC40H115WE40-IK	40	40	115	72	•
213-61335	TC50H63WE06-IK	50	6	63	25	•
213-61336	TC50H63WE08-IK	50	8	63	28	•
213-61337	TC50H63WE10-IK	50	10	63	35	•
213-61338	TC50H63WE12-IK	50	12	63	42	•
213-61339	TC50H63WE14-IK	50	14	63	44	•
213-61340	TC50H63WE16-IK	50	16	63	48	•
213-61341	TC50H63WE18-IK	50	18	63	50	•
213-61342	TC50H63WE20-IK	50	20	63	52	•
213-61343	TC50H80WE25-IK	50	25	80	65	•
213-61344	TC50H100WE32-IK	50	32	100	72	•
263-61345	TC50H120WE40-IK	50	40	120	80	•

INDEXABLE DRILL HOLDERS

VOLLBOHRERHALTER PORTAPUNTE
PORTABROCAS PORTE-OUTIL POUR BARRES DE PERCAGE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ 钻刀柄

DIN 69871 AD



CODE N.	DESCRIPTION	ISO	d1	d2	H	L1	G6,3 12000 RPM
217-90980	TC40H65D16-E1	40	16	36	65	53	•
217-90981	TC40H65D20-E1	40	20	40	65	53	•
217-90982	TC40H70D25-E1	40	25	45	70	60	•
217-90983	TC40H70D32-E1	40	32	52	70	64	•
217-90950	TC50H70D16-E1	50	16	36	70	53	•
217-90984	TC50H70D20-E1	50	20	40	70	53	•
217-90985	TC50H70D25-E1	50	25	45	70	60	•
217-90986	TC50H70D32-E1	50	32	52	70	64	•
217-90987	TC50H80D40-E1	50	40	60	80	74	•

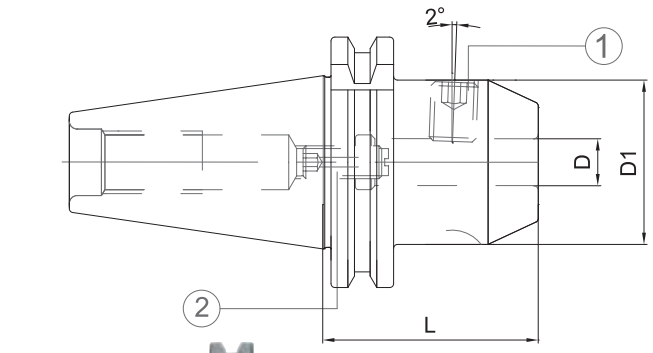
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

D1	LOCKING SCREW	QUANT.
16, 20	811-402003	2
25, 32	811-402005	2
40	811-402007	2

END MILL HOLDERS WHISTLE NOTCH

ZYLINDERSCHAFTAUFNAHME WHISTLE NOTCH MANDRINI PORTAFRESE TIPO WHISTLE NOTCH
CONOS PORTAHERRAMIENTAS TIPO WHISTLE NOTCH MANDRINS POUR OUTILS TYPE WHISTLE NOTCH
ОПРАВКИ С КРЕПЛЕНИЕМ WHISTLE NOTCH 侧固式铣刀柄

DIN 69871 AD - DIN 1835 E



CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 12000 RPM
213-31322	TC40H63WN16	40	16	63	48	•
213-31324	TC40H63WN20	40	20	63	52	•
213-31325	TC40H100WN25	40	25	100	65	•
213-31326	TC40H100WN32	40	32	100	72	•
213-31327	TC40H115WN40	40	40	115	80	•
213-31335	TC50H63WN20	50	20	63	52	•
213-31336	TC50H80WN25	50	25	80	65	•
213-31337	TC50H100WN32	50	32	100	72	•
213-31338	TC50H120WN40	50	40	120	80	•

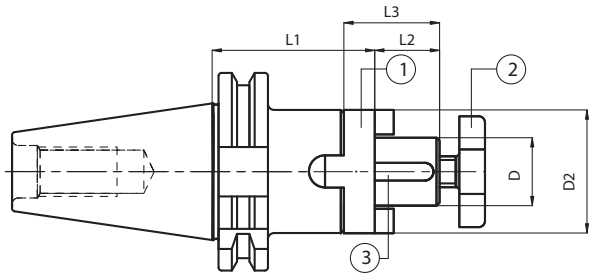
D	LOCKING SCREW ❶	QUANT.	STOP SCREW ❷	M
6	811-106001	1	811-303043	1
8	811-106002	1	811-303081	1
10	811-106004	1	811-303082	1
12,14	811-106005	1	811-303083	1
16,18	811-106006	1	811-303084	1
20	811-106007	1	811-303084	1
ISO 40/25	811-106008	2	811-303098	1
ISO 50/25	811-106008	2	811-303085	1
ISO 40/32	811-106009	2	811-303098	1
ISO 50/32	811-106009	2	811-303085	1
ISO 40/40	811-106009	2	811-303098	1
ISO 50/40	811-106009	2	811-303085	1

Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

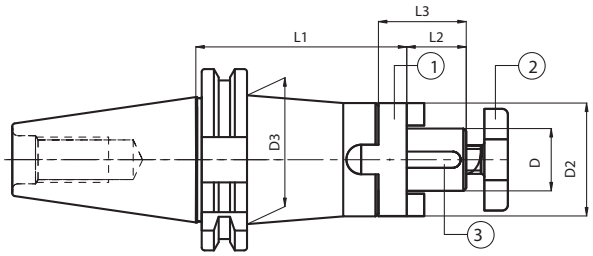
COMBI-SHELL MILL ADAPTORS

KOMBI - AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI
CONOS PORTAFRESAS COMBINADOS MANDRINS PORTE- FRAISES A DOUBLE USAGE
КОМБИНИРОВАННЫЕ ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ 复合式平面铣刀接头

DIN 69871 A - DIN 6358



	CODE N.	DESCRIPTION	ISO	D	L1	L2	L3	D2	G6,3 8000 RPM
STANDARD	216-11201	TC40H55D16C	40	16	55	17	27	32	●
	216-11202	TC40H55D22C	40	22	55	19	31	40	●
	216-11203	TC40H55D27C	40	27	55	21	33	48	●
	216-11204	TC40H60D32C	40	32	60	24	38	58	●
	216-11205	TC40H60D40C	40	40	60	27	41	70	●
	216-11206	TC50H55D16C	50	16	55	17	27	32	●
	216-11207	TC50H55D22C	50	22	55	19	31	40	●
	216-11208	TC50H55D27C	50	27	55	21	33	48	●
	216-11209	TC50H55D32C	50	32	55	24	38	58	●
	216-11210	TC50H55D40C	50	40	55	27	41	70	●



	CODE N.	DESCRIPTION	ISO	D	L1	L2	L3	D2	D3	G6,3 8000 RPM
H100	216-11213	TC40H100D16C	40	16	100	17	27	32	44	●
	216-11214	TC40H100D22C	40	22	100	19	31	40	-	●
	216-11215	TC40H100D27C	40	27	100	21	33	48	-	●
	216-11216	TC40H100D32C	40	32	100	24	38	58	-	●
	216-11217	TC40H100D40C	40	40	100	27	41	70	-	●
	216-11218	TC50H100D16C	50	16	100	17	27	32	50	●
	216-11219	TC50H100D22C	50	22	100	19	31	40	60	●
	216-11220	TC50H100D27C	50	27	100	21	33	48	60	●
	216-11221	TC50H100D32C	50	32	100	24	38	58	-	●
	216-11222	TC50H100D40C	50	40	100	27	41	70	-	●

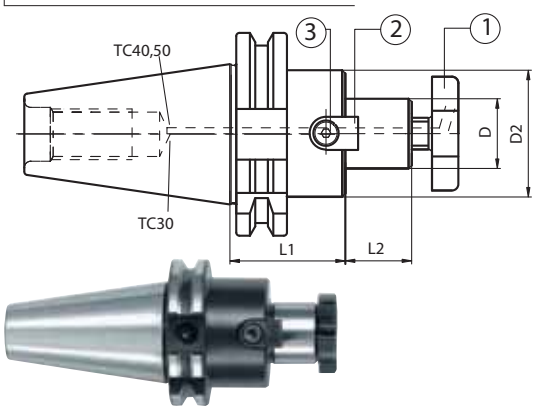
Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

D	RING	CROSS SCREW	KEY	WRENCH
	❶	❷	❸	
16	814-30001	811-107003	814-201010	816-130002
22	814-30002	811-107004	814-201020	816-130003
27	814-30003	811-107005	814-201030	816-130004
32	814-30004	811-107006	814-201040	816-130005
40	814-30005	811-107007	814-201050	816-130006
50	814-30006	811-107009	814-201060	816-130007

FACE MILL HOLDERS-TENONS DRIVE WITH BIGGER FLANGE DIAMETER

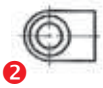
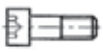
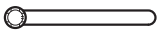
AUFSTECKFRÄSDORNE FUR FRÄSER MIT QUERNUT MIT GRÖBEREM BUND
CONOS PORTAFRESAS CON LA VALONA INCREMENTADA
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА
MANDRINI PORTAFRESE A TRASCINAMENTO FISSO CON FLANGIA MAGGIORATA
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS BRIDE AJOUTEE
平面铣刀柄 – 凸榫驱动带有更大的法兰直径

DIN 69871 AD - ISO 3937

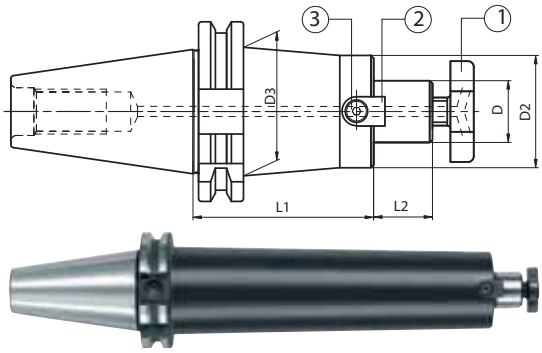


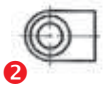
	CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G6,3 8000 RPM
STANDARD	216-71204	TC40H45D16F	40	16	45	17	38	●
	216-71205	TC40H45D22F	40	22	45	19	48	●
	216-71206	TC40H50D27F	40	27	50	21	58	●
	216-71207	TC40H55D32F	40	32	55	24	78	●
	* 216-71208	TC40H55D40F	40	40	55	27	88	●
	216-71214	TC50H45D16F	50	16	45	17	38	●
	216-71215	TC50H45D22F	50	22	45	19	48	●
	216-71216	TC50H45D27F	50	27	45	21	58	●
	216-71217	TC50H50D32F	50	32	50	24	78	●
	* 216-71218	TC50H55D40F	50	40	55	27	88	●

* For drilled version, please see on page 93
* Per versione forata vedi pag 93
* Para la versión perforada mire pág. 93
* Zur gebohrten Ausführung, siehen Sie bitte Seite 93
* Pour le modèle percé voir à la page 93
* Оправки для фланцевого крепления фрез на стр. 93

D	CROSS SCREW	CROSS SCREW ON ENQUIRY	TENON	SCREW	WRENCH
	❶	❶	 ❷	 ❸	
16	811-107003	811-107013	814-202280	811-101004	816-130002
22	811-107004	811-107014	814-202250	811-101011	816-130003
27	811-107005	811-107015	814-202270	811-101018	816-130004
32	811-107006	811-107016	814-202630	811-101029	816-130005
40	811-107007	811-107017	814-202710	811-101029	816-130006

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件



D	TENON
	 ❷
16	814-202280
22	814-202250
22/50	814-202260
27	814-202270
32	814-202290
40	814-202180

	CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	D3		G6,3 8000 RPM
H 100	216-71255	TC40H100D16F	40	16	100	17	39	-	-	●
	216-71259	TC40H100D22F	40	22	100	19	46	48	A	●
	266-71273	TC40H100D27F	40	27	100	21	55	-	C	●
	266-71274	TC40H100D32F	40	32	100	24	66	-	-	●
	266-71275	TC40H100D40F	40	40	100	27	70	-	-	●
	266-71233	TC50H100D16F	50	16	100	17	38	-	-	●
	216-71267	TC50H100D22F	50	22	100	19	46	48	A	●
	216-71272	TC50H100D22F	50	22	100	19	50	60	B	●
	216-71277	TC50H100D27F	50	27	100	21	55	78	C	●
	266-71256	TC50H100D32F	50	32	100	24	66	78	-	●
	266-71276	TC50H100D40F	50	40	100	27	70	78	-	●
H 160	216-71256	TC40H160D16F	40	16	160	17	39	-	-	●
	216-71260	TC40H160D22F	40	22	160	19	46	48	A	●
	266-71234	TC50H160D16F	50	16	160	17	38	-	-	●
	216-71268	TC50H160D22F	50	22	160	19	46	48	A	●
	216-71273	TC50H160D22F	50	22	160	19	50	60	B	●
	216-71278	TC50H160D27F	50	27	160	21	55	78	C	●
	266-71257	TC50H160D32F	50	32	160	24	66	78	-	●
	266-71287	TC50H160D40F	50	40	160	27	70	78	-	●
H 200	216-71257	TC40H200D16F	40	16	200	17	39	-	-	●
	216-71261	TC40H200D22F	40	22	200	19	46	48	A	●
	266-71250	TC50H200D16F	50	16	200	17	39	-	-	●
	216-71269	TC50H200D22F	50	22	200	19	46	48	A	●
	216-71274	TC50H200D22F	50	22	200	19	50	60	B	●
	216-71279	TC50H200D27F	50	27	200	21	55	78	C	●
	266-71258	TC50H200D32F	50	32	200	24	66	78	-	●
	266-71288	TC50H200D40F	50	40	200	27	70	78	-	●

Accessories
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Zubehör
Accesorios
Accessoires
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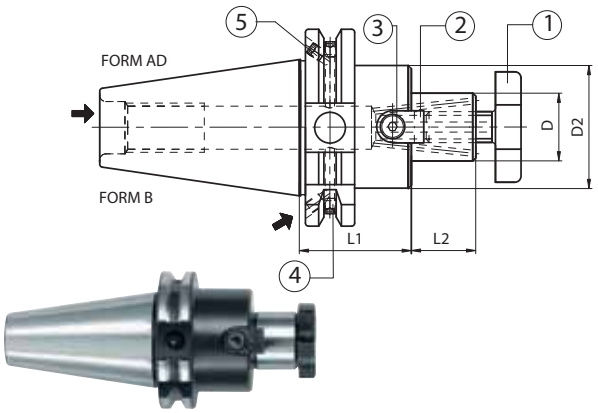
A/Suitable for milling cutters D50 - B/Suitable for milling cutters D63 - C/Suitable for milling cutters D80
A/Adatti per frese D50 - B/Adatti per frese D63 - C/Adatti per frese D80
A/Aptos para fresas D50 – B/Aptos para fresas D63 – C/Aptos para fresas D80
A/Für Fräser D50 - B/Für Fräser D63 - C/Für Fräser D80
A/Adaptes pour fraises D50 - B/Adaptes pour fraises D63 - C/Adaptes pour fraises D80
A/подходит для фрез D50 - B/подходит для фрез D63 - C/подходит для фрез D80
A/适用于 D50 铣刀 - B/适用于 D63 铣刀 - C/适用于 D80 铣刀

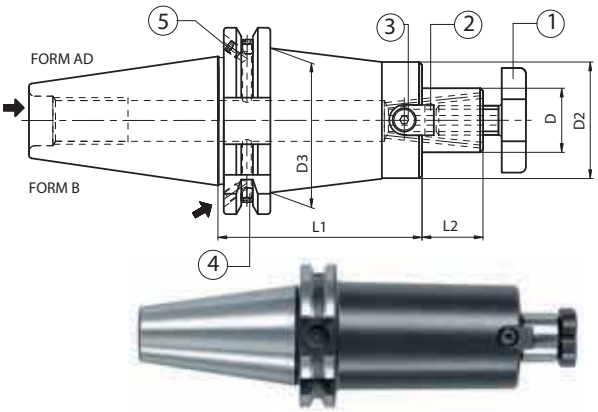
FACE MILL HOLDERS-TENONS DRIVE WITH INTERNAL COOLANT SUPPLY WITH BIGGER FLANGE DIAMETER

AUFSTECKFRÄSDORNE FUR FRÄSER MIT QUERNUT UND KÜHLMITTELZUFUHR MIT GRÖBEREM BUND
CONOS PORTAFRESAS CON REFRIGERACION INTERNA CON LA VALONA INCREMENTADA
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ И УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА
MANDRINI PORTAFRESE A TRASCINAMENTO FISSO CON PASSAGGIO REFRIGERANTE CON FLANGIA MAGGIORATA
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS AVEC ARROSAGE INTERNE BRIDE AJOUTEE
平面铣刀柄 – 凸榫驱动配备内部冷却剂供应带更大法兰直径

DIN 69871 AD/B - ISO 3937

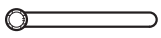


CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G6,3 8000 RPM
216-71301	TC40H45D16F AD+B	40	16	45	17	38	•
216-71302	TC40H45D22F AD+B	40	22	45	19	48	•
216-71303	TC40H50D27F AD+B	40	27	50	21	58	•
216-71304	TC40H55D32F AD+B	40	32	55	24	78	•
216-71305	TC40H55D40F AD+B	40	40	55	27	88	•
216-71306	TC50H45D16F AD+B	50	16	45	17	38	•
216-71307	TC50H45D22F AD+B	50	22	45	19	48	•
216-71308	TC50H45D27F AD+B	50	27	45	21	58	•
216-71309	TC50H55D32F AD+B	50	32	55	24	78	•
216-71310	TC50H55D40F AD+B	50	40	55	27	88	•



CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	D3	G6,3 8000 RPM
216-71321	TC40H100D16F AD+B	40	16	100	17	32	42	•
216-71322	TC40H100D22F AD+B	40	22	100	19	40	49	•
216-71323	TC40H100D27F AD+B	40	27	100	21	48	-	•
216-71324	TC40H100D32F AD+B	40	32	100	24	58	-	•
216-71326	TC40H100D40F AD+B	40	40	100	27	70	-	•
216-71372	TC40H130D16F AD+B	40	16	130	17	38	-	•
216-71373	TC40H130D22F AD+B	40	22	130	19	46	48	•
216-71374	TC40H130D27F AD+B	40	27	130	21	58	50	•
216-71375	TC40H130D32F AD+B	40	32	130	24	78	50	•
216-71395	TC40H130D40F AD+B	40	40	130	27	88	50	•
216-71381	TC40H160D16F AD+B	40	16	160	17	39	-	•
216-71382	TC40H160D22F AD+B	40	22	160	19	46	48	•
216-71396	TC40H160D27F AD+B	40	27	160	21	58	50	•
216-71397	TC40H160D32F AD+B	40	32	160	24	78	50	•
216-71398	TC40H160D40F AD+B	40	40	160	27	80	50	•
216-71388	TC40H200D16F AD+B	40	16	200	17	39	-	•
216-71389	TC40H200D22F AD+B	40	22	200	19	46	48	•
216-71399	TC40H200D27F AD+B	40	27	200	21	58	50	•
266-71301	TC40H200D32F AD+B	40	32	200	24	78	50	•
266-71302	TC40H200D40F AD+B	40	40	200	27	88	50	•
216-71312	TC50H100D16F AD+B	50	16	100	17	32	42	•
216-71313	TC50H100D22F AD+B	50	22	100	19	40	55	•
216-71314	TC50H100D27F AD+B	50	27	100	21	48	60	•
216-71315	TC50H100D32F AD+B	50	32	100	24	58	68	•
216-71316	TC50H100D40F AD+B	50	40	100	27	70	-	•
216-71376	TC50H130D16F AD+B	50	16	130	17	32	42	•
216-71377	TC50H130D22F AD+B	50	22	130	19	46	60	•
216-71378	TC50H130D27F AD+B	50	27	130	21	55	78	•
216-71379	TC50H130D32F AD+B	50	32	130	24	65	78	•
216-71380	TC50H130D40F AD+B	50	40	130	27	78	-	•
216-71383	TC50H160D16F AD+B	50	16	160	17	38	-	•
216-71384	TC50H160D22F AD+B	50	22	160	19	46	48	•
216-71385	TC50H160D27F AD+B	50	27	160	21	55	78	•
216-71386	TC50H160D32F AD+B	50	32	160	24	66	78	•
216-71387	TC50H160D40F AD+B	50	40	160	27	70	78	•
216-71390	TC50H200D16F AD+B	50	16	200	17	39	-	•
216-71391	TC50H200D22F AD+B	50	22	200	19	46	48	•
216-71392	TC50H200D27F AD+B	50	27	200	21	55	78	•
216-71393	TC50H200D32F AD+B	50	32	200	24	66	78	•
216-71394	TC50H200D40F AD+B	50	40	200	27	70	78	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	CROSS SCREW	WRENCH
		
	1	
16	811-107003	816-130002
22	811-107004	816-130003
27	811-107005	816-130004
32	811-107006	816-130005
40	811-107007	816-130006

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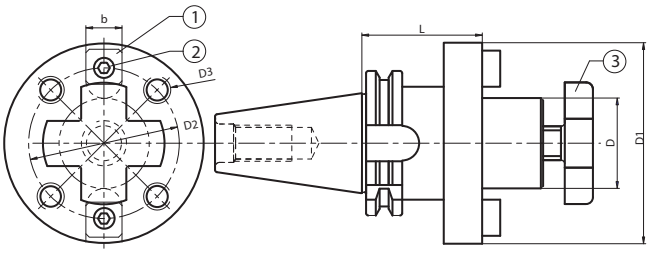
FACE MILL HOLDER FOR FACE MILLING CUTTERS

AUFSTECKFRÄSERDORNE FÜR MESSERKÖPFE
CONOS PORTAFRESAS SIN MANGO
ОПРАВКИ ДЛЯ ФЛАНЦЕВОГО КРЕПЛЕНИЯ ФРЕЗ
MANDRINI PORTAFRESE PER FRESE A SPIANARE
MANDRINS PORTE-FRAISE POUR FRAISES A SURFACER
平面铣刀柄-夹持端铣刀

DIN 69871 A - DIN 6357



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	TENON	SCREW	SCREW	WRENCH
	❶	❷	❸	
40	814-202080	811-101028	811-107007	816-130006
60	814-202120	811-101063	-	-

CODE N.	DESCRIPTION	ISO	D	L	D1	D2	D3	b	G6,3 8000 RPM
*216-21201	TC40H60D40	40	40	60	89	66.7	M12	15.9	●
*216-21202	TC50H70D40	50	40	70	89	66.7	M12	15.9	●
216-21203	TC50H70D60	50	60	70	129	101.6	M16	25.4	●

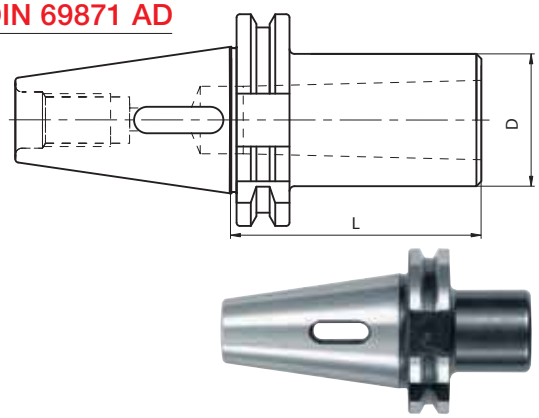
* SUPPLIED WITH INTERNAL SCREW
FORNITO CON VITE CENTRALE INCLUSA
SE SUMINISTRA CON EL TORNILLO CENTRAL INCLUIDO

* INKLUSIVE INNENSCHARUBE
VIS INTERNE INCLUSE
ПОСТАВЛЯЕТСЯ С ВНУТРЕННИМ ВИНТОМ
供货时提供内部螺丝

MORSE TAPER ADAPTORS FOR DRILLS

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN
ADAPTADOR A CONO MORSE CON ARRASTRE
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С ЛАПКОЙ
MANDRINI PORTAPUNTE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE A TENON
莫氏锥度钻接头

DIN 69871 AD



CODE N.	DESCRIPTION	ISO	MORSE	D	L	G6,3 8000 RPM
212-41201	TC40H50CM1P	40	1	25	50	●
212-41202	TC40H60CM2P	40	2	32	60	●
212-41203	TC40H70CM3P	40	3	40	70	●
212-41204	TC40H95CM4P	40	4	48	95	●
212-41205	TC50H50CM1P	50	1	25	50	●
212-41206	TC50H60CM2P	50	2	32	60	●
212-41207	TC50H65CM3P	50	3	40	65	●
212-41208	TC50H95CM4P	50	4	48	95	●
212-41209	TC50H120CM5P	50	5	63	120	●

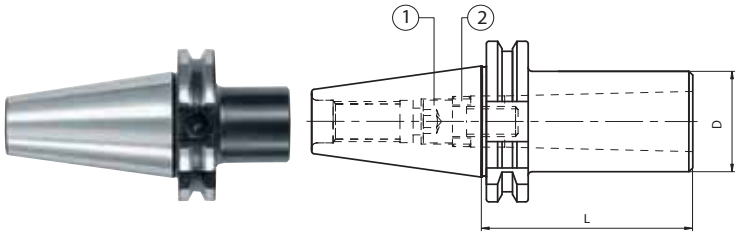
MORSE TAPER ADAPTER WITH THREAD

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT ANZUGSGEWINDE
ADAPTADOR A CONO MORSE CON ROSCA
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С РЕЗЬБОЙ
MANDRINI PORTAFRESE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE AVEC TARAUDAGE
螺纹莫氏锥度接头

DIN 69871 AD - DIN 228-2 FORM C

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

TC MORSE	SCREW (TCA)	ON ENQUIRY	RING
	❶	❶	❷
40/1	811-101029	-	811-302030
40/2	811-111007	811-111038	811-302031
40/3	811-111008	811-401098	811-302032
40/4	811-111005	811-401083	811-302036
50/1	811-101029	-	811-302030
50/2	811-101054	811-401084	811-302032
50/3	811-101065	811-401085	811-302032
50/4	811-401037	811-401086	811-302036
50/5	811-101092	811-401087	811-302034

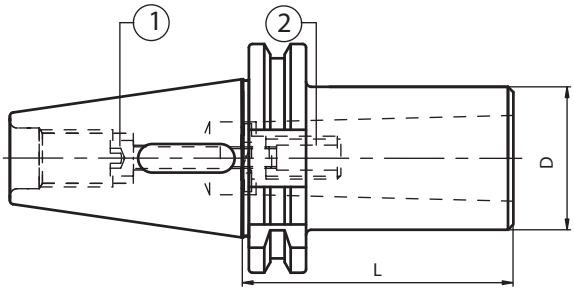


CODE N.	DESCRIPTION	ISO	MORSE	D	L	G6,3 8000 RPM
212-21201	TC40H50CM1F	40	1	25	50	●
212-21202	TC40H50CM2F	40	2	32	50	●
212-21203	TC40H70CM3F	40	3	40	70	●
212-21204	TC40H95CM4F	40	4	48	95	●
212-21205	TC50H45CM1F	50	1	25	45	●
212-21206	TC50H60CM2F	50	2	32	60	●
212-21207	TC50H65CM3F	50	3	40	65	●
212-21208	TC50H95CM4F	50	4	48	95	●
212-21209	TC50H120CM5F	50	5	63	120	●

MORSE TAPER ADAPTORS FOR DRILLS AND MILLS

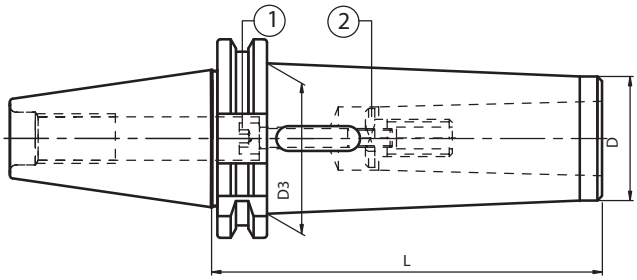
ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN ODER ANZUGSGEWINDE
ADAPTADOR A CONO MORSE VERSION COMBINADA
ОПРАВКИ ДЛЯ КОНУСОВ МОРЗЕ С ЛАПКОЙ И С РЕЗЬБОЙ
MANDRINI PORTAPUNTE-PORTAFRESE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE A TENON ET AVEC TARAUDAGE
莫氏锥度钻铣接头

DIN 69871 AD - DIN 228-2 FORM C/D



KOMBI VERSION

	CODE N.	DESCRIPTION	ISO	MORSE	D	L	G6,3 8000 RPM
STANDARD	212-61201	TC40H50CM1P/F	40	1	25	50	•
	212-61202	TC40H60CM2P/F	40	2	32	60	•
	212-61203	TC40H75CM3P/F	40	3	40	75	•
	212-61205	TC50H45CM1P/F	50	1	25	45	•
	212-61206	TC50H60CM2P/F	50	2	32	60	•
	212-61207	TC50H65CM3P/F	50	3	40	65	•
	212-61208	TC50H95CM4P/F	50	4	48	95	•
	212-61209	TC50H120CM5P/F	50	5	63	120	•



KOMBI VERSION

	CODE N.	DESCRIPTION	ISO	MORSE	D	D3	L	G6,3 8000 RPM
EXTENDED	212-61210	TC40H115CM1P/F	40	1	18	25	115	•
	212-61211	TC40H125CM2P/F	40	2	25	32	125	•
	212-61212	TC40H140CM3P/F	40	3	33	40	140	•
	212-61214	TC50H120CM1P/F	50	1	18	25	120	•
	212-61215	TC50H140CM2P/F	50	2	25	32	140	•
	212-61216	TC50H150CM3P/F	50	3	33	40	150	•
	212-61217	TC50H180CM4P/F	50	4	40	48	180	•
	212-61218	TC50H220CM5P/F	50	5	55	63	220	•

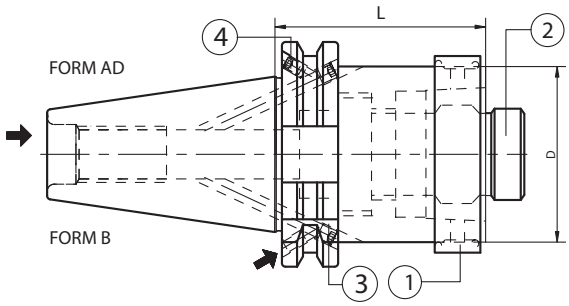
Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

CODE N.	SCREW ❶	RING ❷	CODE N.	SCREW ❶	RING ❷
212-61201	811-101033	-	212-61210	811-101037	-
212-61202	811-401018	-	212-61211	811-401015	-
212-61203	811-101034	811-302006	212-61212	811-101081	811-302006
212-61205	811-101033	-	212-61214	811-101077	-
212-61206	811-101057	-	212-61215	811-101078	-
212-61207	811-101070	-	212-61216	811-101079	-
212-61208	811-401016	-	212-61217	811-401030	-
212-61209	811-101071	811-302008	212-61218	811-101080	811-302008

TAPER ADAPTER SA X HSK A+C - MANUAL CLAMPING

ZWISCHENHÜLSEN SK X HSK A+C - MANUELLES SPANNSYSTEM
CONOS ADAPTADORES DE SK A HSK A+C – CIERRE MANUAL
ПЕРЕХОДНЫЕ ОПРАВКИ SK - HSK A+C - РУЧНАЯ УСТАНОВКА
MANDRINI RIDUZIONE DA TC A HSK A+C - CHIUSURA MANUALE
DOUILLES INTERMEDIAIRES SA X HSK A+C - SERRAGE MANUEL
SA X HSK A+C 锥度接头 - 手动夹紧

DIN 69871 AD/B



CODE N.	DESCRIPTION	ISO	HSK	D	L	RING ❶ (complete)	LOCKING UNIT ❷ (complete)
212-91301	TC40H60HSK50	40	50	50	60	H50A-AN	H50A-UBL
212-91302	TC40H80HSK63	40	63	63	80	H63A-AN	H63A-UBL
212-91304	TC50H60HSK63	50	63	63	60	H63A-AN	H63A-UBL

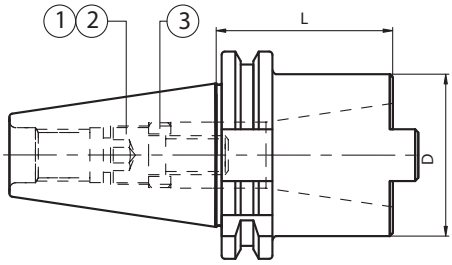
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

TAPE	SCREW ❸	QUANTITY	SCREW ❹	QUANTITY
ISO 40	811-102002 M4X5	2	811-102002 M4X5	2
ISO 50	811-102001 M4X4	2	811-102010 M5X6	2

ISO TAPER ADAPTORS

ZWISCHENHÜLSEN SK X SK
CONOS ADAPTADORES DE DIN69871
EN DIN2080/DIN69871/MAS403BT
ПЕРЕХОДНЫЕ ОПРАВКИ SK –SK
MANDRINI RIDUZIONE E PROLUNGHE
DA DIN69871 A DIN2080/DIN69871/MAS403BT
DOUILLES INTERMEDIAIRES TC X SA
ISO 锥度接头

DIN 69871 AD



CODE N.	DESCRIPTION	ISO	ISO	D	L	G6,3 8000 RPM
212-11213	TC40H100ISO40/TC40	40	40	68	100	•
212-11201	TC50H70ISO40/TC40	50	40	68	70	•
212-11214	TC50H120ISO50/TC50	50	50	100	120	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

OUTSIDE	INSIDE	SCREW (ISO) ❶	SCREW (TC) ❷	RING ❸	WRENCH
40	30	811-401085	811-401146	811-302032	816-20206002
40	40	811-401147	811-401150	811-302036	816-20207002
50	40	811-401147	811-401150	811-302036	816-20207002
50	50	811-401151	811-401152	811-302047	816-20209002

Supplied with a bored screw DIN69871/MAS BT/DIN2080

In dotazione vite per chiusura DIN69871/MAS BT/DIN2080 forata

Se suministra con el tornillo de apriete DIN69871/MAS-BT/DIN2080

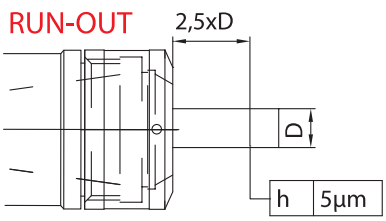
Verschlußschraube für DIN69871/MAS BT/DIN2080 wird mitgeliefert und ist durchbohrt

Livré avec une vis de serrage DIN69871/MAS BT/DIN2080 percée

Поставляется с винтом с отверстием для DIN69871/MAS BT/DIN2080

提供 DIN69871/MAS BT/DIN2080 无铆螺钉一个

GREAT ACCURACY - HIGH PRECISION LINE



- **RUN OUT 5 MICRON at 2,5 times the diameter achieved only by using HP ER collets.**
  The High level of accuracy is achieved either on the NOMINAL DIAMETER or by clamping the tool whose diameter is maximum 0,5 mm smaller than the nominal diameter.
- 20% higher clamping force (compared to standard ER collet chuck system).

- **RUN OUT 5 MICRON a 2,5 il diametro garantito esclusivamente tramite pinze ER PRECISE.**
  L'elevata precisione si ottiene o sul DIAMETRO NOMINALE o chiudendo l'utensile con diametro al massimo di 0,5mm inferiore al diametro nominale.
- Forza di serraggio maggiore del 20% (rispetto a portapinza ER standard).

- **5 MICRON RUNDLAUFGENAUIGKEIT bei 2,5 Mal des Durchmessers nur durch Verwendung von HP-ER Spannzangen erreicht.**
  Das Erreichen der hohen Genauigkeit erfolgt entweder am NENNDURCHMESSER oder durch das Spannen des Werkzeuges, wessen Durchmesser maximal 0,5 mm kleiner als der Nenndurchmesser ist.
- 20% höhere Spannkraft (im Vergleich zum Standard ER Spannzagenfuttersystem)

- **CONCENTRICIDAD DE 5 MICRAS en una longitud de voladizo de la herramienta de hasta 2,5 veces el diámetro de la misma.**
  La alta precisión se obtiene tanto en el DIAMETRO NOMINAL como en la sujeción de la herramienta. Máximo rango de apriete 0.5mm por debajo del diámetro nominal.
- 20% mayor fuerza de apriete en comparación con un portapinzas ER estándar.

- **COAXIALITE 5 MICRON à 2,5 fois le diamètre obtenu uniquement en utilisant des pinces ER PRECISE.**
  Le haut niveau de précision est obtenu soit sur le NOMINAL DIAMETER soit en serrant l'outil dont le diamètre est au maximum 0,5 mm inférieur au diamètre nominal.
- Force de serrage 20% supérieur si comparée au system de porte-pince standard

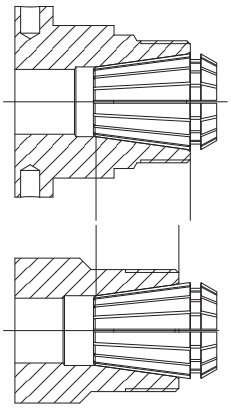
- **RUN OUT с 5 до 2,5 MICRON достигается только при использовании цанг PRECISION ER .**
  Высокий уровень точности достигается либо при зажиме НОМИНАЛЬНОГО ДИАМЕТРА, либо путем зажима инструмата, диаметр которого не должен превышать 0,5мм номинального диаметра.
- Сила зажима на 20% выше по сравнению со стандартнымы цанговымы патронами

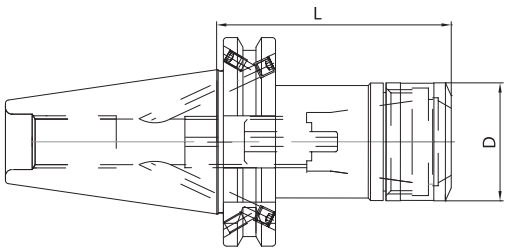
- 使用HP的弹簧筒夹，在2.5倍径的地方刀柄跳⌧达到5u。
  所夹持的刀具需满足标称直径或比标称直径小0.5mm以内才能达到这个精度。

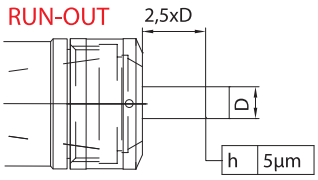
ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

DIN69871 AD+B - DIN 6499







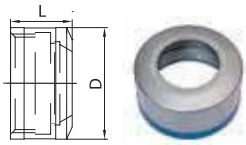
	CODE N.	DESCRIPTION	ISO	L	D	ER	G2,5 30000
ISO 40	214-91355	TC40H70ER16-HP	40	70	30	16	•
	214-91356	TC40H70ER25-HP	40	70	40	25	•
	214-91357	TC40H70ER32-HP	40	70	50	32	•
ISO 50	214-91358	TC50H70ER16-HP	50	70	30	16	•
	214-91366	TC50H70ER25-HP	50	70	40	25	•
	214-91359	TC50H70ER32-HP	50	70	50	32	•
ISO 40	214-91360	TC40H100ER16-HP	40	100	30	16	•
	214-91362	TC40H100ER25-HP	40	100	40	25	•
	214-91363	TC40H100ER32-HP	40	100	50	32	•
ISO 50	214-91364	TC50H100ER16-HP	50	100	30	16	•
	214-91367	TC50H100ER25-HP	50	100	40	25	•
	214-91365	TC50H100ER32-HP	50	100	50	32	•

* Predisposti per pinze **ER/ERHP/ERC**

* Suitable for **ER/ERHP/ERC** collets

CODE N.	D	D1	ER
816-203069	30	3	16
816-203070	40	4	25
816-203071	50	4	32

CODE N.	D	L	ER
812-203085	30	19,5	16
812-203086	40	22	25
812-203087	50	25	32



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COLLET CHUCK KITS

SPANNFUTTERSATZ | KIT PORTAPINZE
SET PORTAPINZAS | JEUX PORTE-PINCES
НАБОРЫ ОПРАВОК С ЦАНГАМИ | 夹头变径套组套

Kit Box: 1 Collet chuck + 10 Collets
Cassetta Corredo: 1 Portapinze + 10 pinze
Ausstattungskasten: 1 Spannzangenfutter + 10 Spannzangen
Contenido del set: 1 Cono portapinzas + 10 pinzas

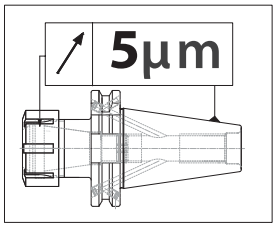
Boite d'équipement: 1 Porte-pince + 10 pinces
Набор: из цангового патрона и цанг
套装: 1个弹簧夹头刀柄+10个夹头

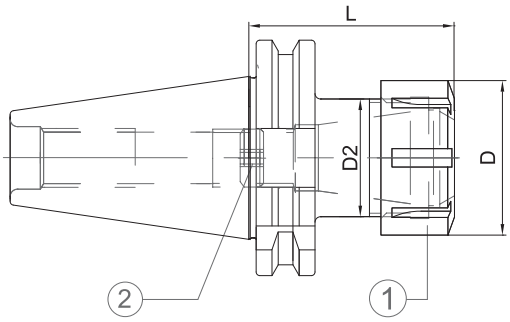
CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
KIT TC40 ER16 HP	N°1 TC40 H70 ER16 HP + N°10 COLLETS ER16 HP
KIT TC40 ER25 HP	N°1 TC40 H70 ER25 HP + N°10 COLLETS ER25 HP
KIT TC40 ER32 HP	N°1 TC40 H70 ER32 HP + N°10 COLLETS ER32 HP
KIT BT40 ER16 HP	N°1 BT40 H70 ER16 HP + N°10 COLLETS ER16 HP
KIT BT40 ER25 HP	N°1 BT40 H70 ER25 HP + N°10 COLLETS ER25 HP
KIT BT40 ER32 HP	N°1 BT40 H70 ER32 HP + N°10 COLLETS ER32 HP
KIT HSK63 ER16 HP	N°1 HSK63 AH75 ER16 HP + N°10 COLLETS ER16 HP
KIT HSK63 ER25 HP	N°1 HSK63 AH75 ER25 HP + N°10 COLLETS ER25 HP
KIT HSK63 ER32 HP	N°1 HSK63 AH75 ER32 HP + N°10 COLLETS ER32 HP

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

DIN 69871 AD - DIN6499/ISO15488





	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G2,5 30000 RPM
STANDARD	214-91301	TC40H70ER16	40	16	32	22	70	•
	214-91324	TC40H70ER20	40	20	35	25	70	•
	214-91302	TC40H70ER25	40	25	42	32	70	•
	214-91303	TC40H70ER32	40	32	50	40	70	•
	214-91304	TC40H70ER40	40	40	63	50	70	•
	214-91306	TC50H70ER32	50	32	50	40	70	•

	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G2,5 30000 RPM
H 100	214-91308	TC40H100ER16	40	16	32	31.5	100	•
	214-91325	TC40H100ER20	40	20	35	34.5	100	•
	214-91309	TC40H100ER25	40	25	42	41.5	100	•
	214-91310	TC40H100ER32	40	32	50	49.5	100	•
	214-91312	TC50H100ER16	50	16	32	31.5	100	•
	214-91313	TC50H100ER25	50	25	42	41.5	100	•
	214-91314	TC50H100ER32	50	32	50	49.5	100	•
H 160	214-91316	TC40H160ER16	40	16	32	31.5	160	•
	214-91317	TC40H160ER25	40	25	42	41.5	160	•
	214-91318	TC40H160ER32	40	32	50	49.5	160	•

HIGH BALANCED

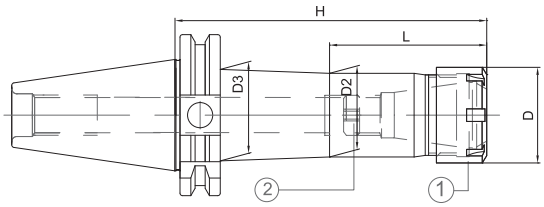
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
16	812-203080	811-303119
20	812-203081	811-303120
25	812-203082	811-303121
32	812-203083	811-303118
40	812-203084	811-303122

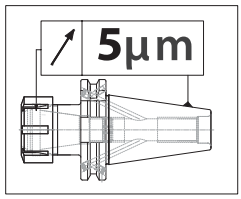
ER MINI COLLET CHUCK

SPANNZANGENFUTTER ER MINI | MANDRINI PORTAPINZA TIPO ER MINI EXTRA SOTTILI
CONOS PORTAPINZAS TIPO ER MINI | MANDRINS A PINCES TYPE ER MINI
ЦАНГОВЫЕ МИНИ-ПАТРОНЫ ER | ER 迷你弹簧夹头

DIN 69871 AD - DIN6499/ISO15488



SLIM LINE



CODE N.	DESCRIPTION	ISO	ER	D	H	L	D2	D3	G6,3 15000 RPM
214-91333	TC40H70ER11M	40	11M	16	70	22	14	20	•
214-91334	TC40H100ER11M	40	11M	16	100	40	14	20	•
214-91335	TC40H160ER11M	40	11M	16	160	50	14	27	•
214-91336	TC40H70ER16M	40	16M	22	70	27	20	25	•
214-91337	TC40H100ER16M	40	16M	22	100	47	20	26	•
214-91338	TC40H160ER16M	40	16M	22	160	97	20	26	•
214-91348	TC40H70ER20M	40	20M	28	70	-	26	-	•
214-91349	TC40H100ER20M	40	20M	28	100	48	26	30	•
214-91350	TC40H160ER20M	40	20M	28	160	98	26	31	•
214-91339	TC40H70ER25M	40	25M	35	70	-	33	-	•
214-91340	TC40H100ER25M	40	25M	35	100	-	33	-	•
214-91341	TC40H160ER25M	40	25M	35	160	103	33	33	•
214-91343	TC50H100ER16M	50	16M	22	100	47	22	26	•
214-91344	TC50H160ER16M	50	16M	22	160	97	22	28	•
214-91352	TC50H100ER20M	50	20M	28	100	48	28	32	•
214-91353	TC50H160ER20M	50	20M	28	160	98	28	32	•
214-91346	TC50H100ER25M	50	25M	35	100	-	35	-	•
214-91347	TC50H160ER25M	50	25M	35	160	103	35	40	•

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
11M	812-203012	811-303081
16M	812-203013	811-303119
20M	812-203014	811-303120
25M	812-203015	811-303121

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COLLET CHUCK KITS

SPANNFUTTERSATZ | KIT PORTAPINZE
SET PORTAPINZAS | JEUX PORTE-PINCES
НАБОРЫ ОПРАВОК С ЦАНГАМИ | 夹头变径套组套

DIN6499/ISO15488

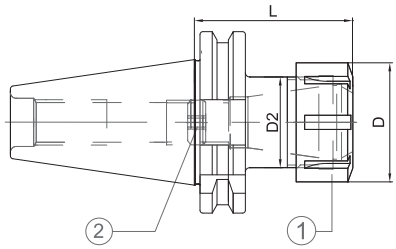
Kit Box: 1 Collet chuck + 10 Collets + Wrench
Cassetta Corredo: 1 Portapinze + 10 pinze + chiave
Contenido del set: 1 Cono portapinzas + 10 pinzas + Llave
Ausstattungskasten: 1 Spannzangenfutter + 10 Spannzangen + Spannschlüssel
Boite d'équipement: 1 Porte-pince + 10 pinces + Clé de serrage
Набор: из цангового патрона и цанг
套装: 1个弹簧夹刀柄 +10个夹头+扳手

	CODE DIN 69871	CODE MAS 403 BT	DESCRIZIONE - DESCRIPTION
ISO 30	KIT TC30ER25	KIT BT30ER25	N°1 portapinze + 10 pinze ER25 + chiave N°1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
	KIT TC30ER32	KIT BT30ER32	N°1 portapinze + 10 pinze ER32 + chiave N°1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
ISO 40	KIT TC40ER25	KIT BT40ER25	N°1 portapinze + 10 pinze ER25 + chiave N°1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
	KIT TC40ER32	KIT BT40ER32	N°1 portapinze + 10 pinze ER32 + chiave N°1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
	KIT TC40ER40	KIT BT40ER40	N°1 portapinze + 10 pinze ER40 + chiave N°1 collet chuck + 10 collets ER40 + wrench (ER40 Ø 5-6-8-10-12-16-20-22-24-26)
ISO 50	KIT TC50ER25	KIT BT50ER25	N°1 portapinze + 10 pinze ER25 + chiave N°1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
	KIT TC50ER32	KIT BT50ER32	N°1 portapinze + 10 pinze ER32 + chiave N°1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
	KIT TC50ER40	KIT BT50ER40	N°1 portapinze + 10 pinze ER40 + chiave N°1 collet chuck + 10 collets ER40 + wrench (ER40 Ø 5-6-8-10-12-16-20-22-24-26)

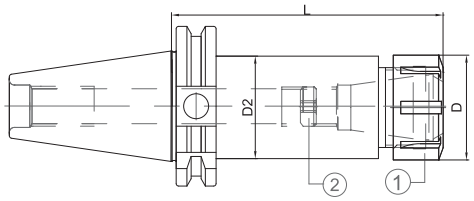
ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP · MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER · MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER · ER 弹簧夹头

DIN 69871 AD - DIN6499/ISO15488



	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM
STANDARD	214-31211	TC30H55ER16	30	16	32	22	55	•
	264-31236	TC30H55ER20	30	20	35	25	55	•
	214-31212	TC30H55ER25	30	25	42	32	55	•
	214-31228	TC30H60ER32	30	32	50	40	60	•
	214-31241	TC40H70ER16	40	16	32	22	70	•
	214-31238	TC40H70ER20	40	20	35	25	70	•
	214-31201	TC40H70ER25	40	25	42	32	70	•
	214-31202	TC40H70ER32	40	32	50	40	70	•
	214-31215	TC40H70ER40	40	40	63	50	70	•
	264-31233	TC50H70ER16	50	16	32	22	70	•
	264-31234	TC50H70ER20	50	20	35	25	70	•
	214-31250	TC50H70ER25	50	25	42	32	70	•
	214-31203	TC50H70ER32	50	32	50	40	70	•
	214-31204	TC50H80ER40	50	40	63	50	80	•



	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM	G6,3 8000 RPM
H 100	214-31242	TC40H100ER16	40	16	32	31.5	100	•	
	214-31257	TC40H100ER20	40	20	35	34.5	100	•	
	214-31232	TC40H100ER25	40	25	42	41.5	100	•	
	214-31230	TC40H100ER32	40	32	50	49.5	100	•	
	214-31286	TC40H100ER40	40	40	63	50	100	•	
	214-31365	TC50H100ER16	50	16	32	31.5	100	•	
	214-31380	TC50H100ER20	50	20	35	34.5	100	•	
	214-31342	TC50H100ER25	50	25	42	41.5	100	•	
	214-31336	TC50H100ER32	50	32	50	49.5	100	•	
	214-31339	TC50H100ER40	50	40	63	62.5	100	•	
H 130	214-31385	TC40H130ER16	40	16	32	31.5	130	•	
	214-31386	TC40H130ER20	40	20	35	34.5	130	•	
	214-31387	TC40H130ER25	40	25	42	41.5	130	•	
	214-31389	TC40H130ER32	40	32	50	49.5	130	•	
	214-31390	TC40H130ER40	40	40	63	50	130	•	
H 160	214-31359	TC40H160ER16	40	16	32	31.5	160		•
	214-31345	TC40H160ER25	40	25	42	41.5	160		•
	214-31346	TC40H160ER32	40	32	50	49.5	160		•
	214-31366	TC40H160ER40	40	40	63	50	160		•
	214-31367	TC50H160ER16	50	16	32	31.5	160		•
	214-31368	TC50H160ER25	50	25	42	41.5	160		•
	214-31337	TC50H160ER32	50	32	50	49.5	160		•
	214-31340	TC50H160ER40	50	40	63	62.5	160		•
H 200	214-31369	TC40H200ER16	40	16	32	31.5	200		•
	214-31370	TC40H200ER25	40	25	42	41.5	200		•
	214-31371	TC40H200ER32	40	32	50	49.5	200		•
	214-31372	TC40H200ER40	40	40	63	50	200		•
	214-31373	TC50H200ER16	50	16	32	31.5	200		•
	214-31374	TC50H200ER25	50	25	42	41.5	200		•
	214-31375	TC50H200ER32	50	32	50	49.5	200		•
	214-31376	TC50H200ER40	50	40	63	62.5	200		•

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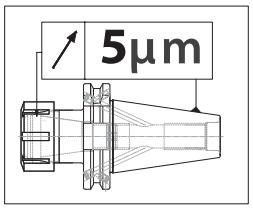

ER	NUT ❶	STOP SCREW ❷
16	812-203005	811-303119
20	812-203006	811-303120
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122

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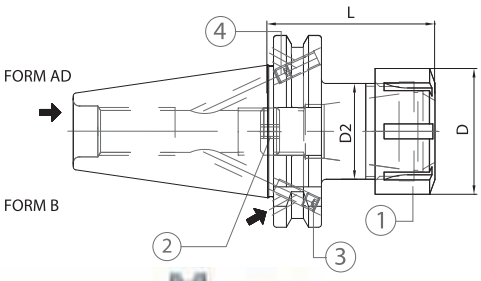
Pièces détachées
Запасные части • 零件

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

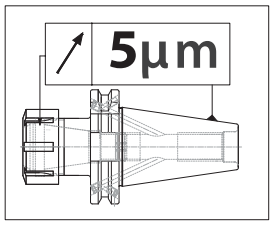
DIN 69871 AD/B - DIN6499/ISO15488



	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM
STANDARD	214-31362	TC40H70ER16 AD+B	40	16	32	22	70	•
	214-31383	TC40H70ER20 AD+B	40	20	35	25	70	•
	214-31329	TC40H70ER25 AD+B	40	25	42	32	70	•
	214-31331	TC40H70ER32 AD+B	40	32	50	40	70	•
	214-31333	TC40H70ER40 AD+B	40	40	63	50	70	•
	214-31381	TC50H70ER16 AD+B	50	16	32	22	70	•
	214-31382	TC50H70ER20 AD+B	50	20	35	25	70	•
	214-31341	TC50H70ER25 AD+B	50	25	42	32	70	•
	214-31335	TC50H70ER32 AD+B	50	32	50	40	70	•
	214-31338	TC50H80ER40 AD+B	50	40	63	50	80	•

VERSION ON ENQUIRY
VERSIONE A RICHIESTA

	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM
H 100	214-31363	TC40H100ER16 AD+B	40	16	32	31.5	100	•
	214-31384	TC40H100ER20 AD+B	40	20	35	34.5	100	•
	214-31347	TC40H100ER25 AD+B	40	25	42	41.5	100	•
	214-31348	TC40H100ER32 AD+B	40	32	50	49.5	100	•
	214-31364	TC40H100ER40 AD+B	40	40	63	50	100	•



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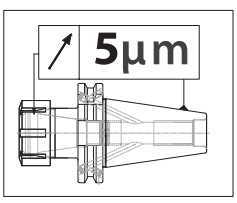
TAPE	SCREW	QUANT.	SCREW	QUANT.
	❸		❹	
ISO 40	811-102002 M4X5	2	811-102002 M4X5	2
ISO 50	811-102001 M4X4	2	811-102010 M5X6	2

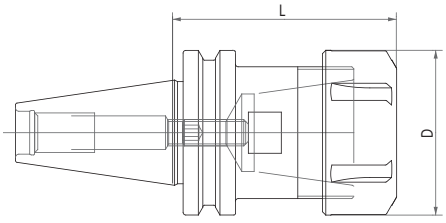
ER	NUT	STOP SCREW
	❶	❷
16	812-203005	811-303119
20	812-203006	811-303120
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЙ ПАТРОН ДЛЯ ЦАНГ ER | ER筒夹头

DIN 69871 AD - DIN6499/ISO15488





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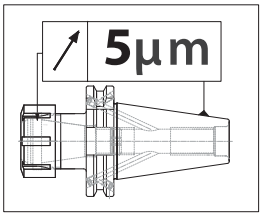
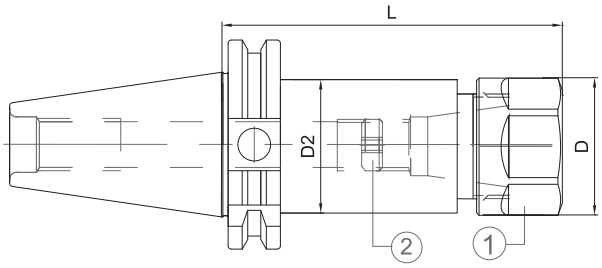
CODE N.	DESCRIPTION	TEK	ER	D	L	G2,5 30000
264-31237	TEK30H59ER16M	30	16M	22	59	•
264-31240	TEK30H65ER25	30	25	42	65	•
264-31238	TEK30H50ER32	30	32	50	50	•
264-31239	TEK30H68ER32	30	32	50	68	•

COLLET CHUCKS WITH ER NUT HEXAGONAL TYPE

SPANNZANGENFUTTER MIT ER SECHSKANTMUTTER TYP
CONOS PORTAPINZAS CON TUERCA ER DE TIPO HEXAGONAL
ЦАНГОВЫЕ ПАТРОНЫ ER С ШЕСТИГРАННОЙ ГАЙКОЙ
MANDRINI PORTAPINZA CON GHIERA ER TIPO ESAGONALE
MANDRINS A PINCES AVEC ÉCROU ER TYPE HEXAGONAL
带多边形压帽的ER弹簧夹头

DIN 69871 AD - DIN6499/ISO15488





Spare parts • Componenti
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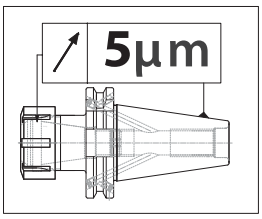
ER	NUT	STOP SCREW
	❶	❷
16	812-203009	811-303119

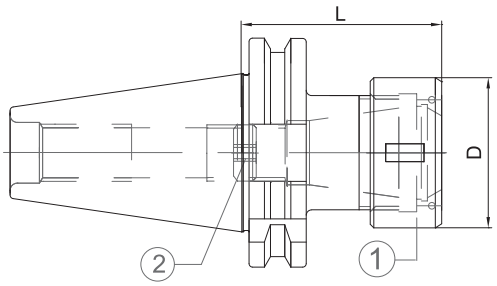
CODE N.	DESCRIPTION	ISO	ER	D	L	D2	G6,3 15000 RPM
214-31241EXA	TC40H70EXA16 AD	40	16	28	70	22	•
214-31242EXA	TC40H100EXA16 AD	40	16	28	100	31.5	•
214-31359EXA	TC40H160EXA16 AD	40	16	28	160	31.5	•

ER COLLET CHUCK

SPANNZANGENFUTTER EOC TYP
CONOS PORTAPINZAS TIPO OZ
ЦАНГОВЫЕ ПАТРОНЫ EOC
MANDRINI PORTAPINZA TIPO EOC
MANDRINS A PINCES TYPE EOC
ER 弹簧夹头

DIN 69871 AD - DIN 6388





CODE N.	DESCRIPTION	ISO	EOC	D	L	G6,3 12000 RPM
214-11321	TC40H70EOC25	40	25	60	70	•
214-11228	TC40H80EOC32	40	32	60	70	•
214-11323	TC50H80EOC32	50	32	72	80	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
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EOC	NUT	STOP SCREW	WRENCH
	❶	❷	
16	GOC16	811-303121	816-203033
25	GOC25	811-303123	816-203034
32	GOC32	811-303123	816-203036

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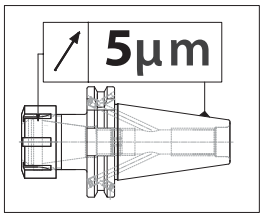
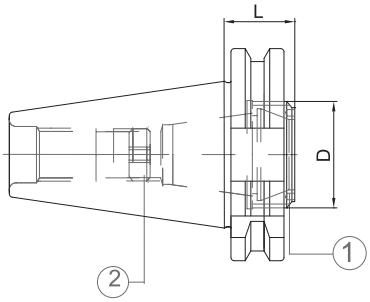
ER COLLET CHUCK WITH INSIDE NUT

SPANNZANGENFUTTER ER TYP-LÄNGE EXTRAKURZ
CONOS PORTAPINZAS TIPO ER EXTRA-CORTOS
ЦАНГОВЫЕ ПАТРОНЫ ER С ВНУТРЕННЕЙ ГАЙКОЙ
MANDRINI PORTAPINZA TIPO ER EXTRACORTI
MANDRINS COURTS A PINCES TYPE ER
ER 弹簧夹头带内部螺母

DIN 69871 AD - DIN 69871 A





CODE N.	DESCRIPTION	ISO	ER	D	L	G6,3 15000 RPM
214-31377	TC40H21ER25A	40	25	32	21	•
264-31215	TC40H21ER32A	40	32	40	21	•
214-31378	TC50H21ER32A	50	32	40	21	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
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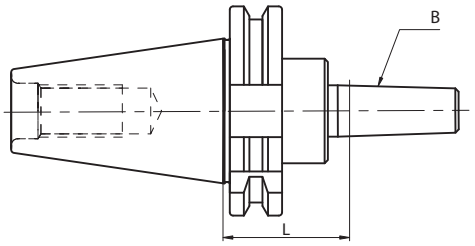
ER	NUT	STOP SCREW	WRENCH
	❶	❷	
25A	812-203057	811-303121	CHER25EX
32A	812-203032	811-303118	CHER32EX

ARBORS FOR DRILL CHUCKS

BOHRFUTTERAUFNAHMEN
CONOS PARA PORTABROCAS CON ESPIGA
ОПРАВКИ ДЛЯ СВЕРЛИЛЬНЫХ ПАТРОНОВ
ATTACCO PER MANDRINI PORTAPUNTE
ARBRES POUR MANDRINS DE PERCAGE
钻夹头刀杆

DIN 69871 AD - DIN 238

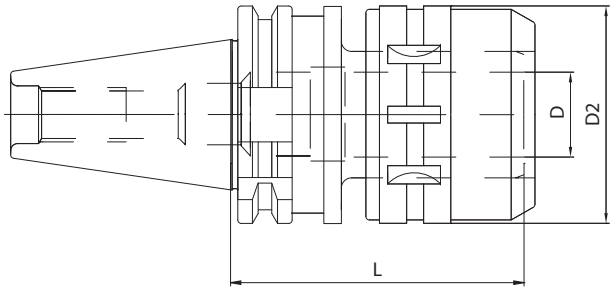


CODE N.	DESCRIPTION	ISO	B	L	G6,3 8000 RPM
216-31201	TC40H40B16	40	16	40	•
216-31202	TC40H40B18	40	18	40	•
216-31203	TC50H40B16	50	16	40	•
216-31204	TC50H40B18	50	18	40	•

MILLING CHUCK

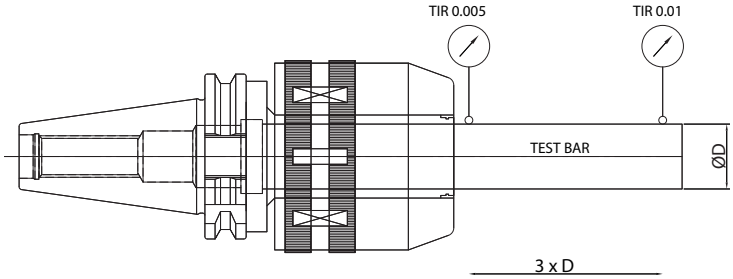
KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

DIN 69871 AD



SUPPLIED WITH WRENCH • FORNITI CON CHIAVE INCLUSA
SE SUMINISTRA CON LLAVE • INKLUSIVE SPANNSCHLÜSSEL
CLÉ INCLUSE • ПОСТАВЛЯЕТСЯ С КЛЮЧОМ
供货时提供扳手

CODE N.	DESCRIPTION	ISO	D	D2	L	G6,3 12000 RPM
214-01308	TC40H90C20	40	20	54	90	-
214-01301	TC40H105C20	40	20	54	105	-
214-01302	TC40H105C32	40	32	72	105	-
214-01304	TC50H105C20	50	20	54	105	-
214-01305	TC50H105C32	50	32	72	105	-
214-01306	TC50H135C32	50	32	72	135	-



MILLING CHUCK (diameter)	SPECIFICATION (DIN)	TOLERANCE (Taper shank)	RUN-OUT (3xD)	CLAMPING TORQUE
C20	AT3	TC40 (0~+0,003)	0~0,01	980M.m (100 Kgf.m)
C32		TC50 (0~+0,004)		3430M.m (350 Kgf.m)

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MILLING CHUCK KITS

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 铣夹头组套

Kit Box: 1 milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino forte serraggio + 1 serie pinze + 1 chiave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Contenido del set: 1 cono de gran apriete + 1 juego de pinzas + 1 llave
Boîte d'équipement: 1 mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 патрон + 1 набор цанг + 1 ключ
组件盒**:** 1 个铣夹头 + 1 个夹头套装 + 1 个扳手

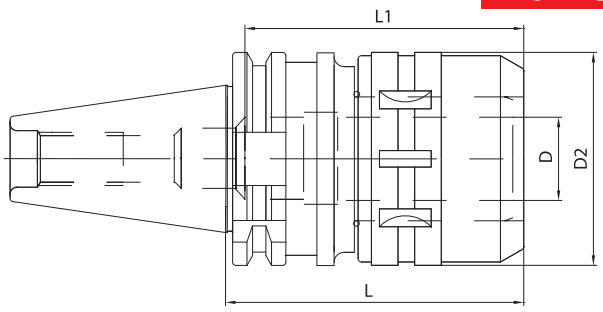
	CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
ISO 40	KIT BT40 C20	N°1 BT40 L80 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT40 C32	N°1 BT40 L80 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC40 C20	N°1 TC 40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC40 C32	N°1 TC 40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT ISO40 C32	N°1 ISO 40 L83 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
ISO 50	KIT BT50 C20	N°1 BT 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT50 C32	N°1 BT 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC50 C20	N°1 TC 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC50 C32	N°1 TC 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT ISO50 C32	N°1 ISO 50 L85 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25

MILLING CHUCK

KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

DIN 69871A

HIGH-SPEED LINE



CODE N.	DESCRIPTION	ISO	D	D2	L	L1	G6,3 20000 RPM
214-01202	TC40H105C20HS	40	20	54	105	70	•
214-01203	TC40H105C32HS	40	32	74	105	100	•
214-01204	TC50H105C20HS	50	20	54	105	70	•
214-01205	TC50H105C32HS	50	32	74	105	100	•

MILLING CHUCK (I.D)	STANDARD	TOLERANCE (Taper shank)	RUN-OUT	CLAMPING TORQUE
C20	AT3	ISO40 (0~ +0,003)	0,01mm at 3D	980 Nm
C32		ISO50 (0~+0,004)		3430 Nm

06

KINTEK

MILLING CHUCK

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 铣夹头组套

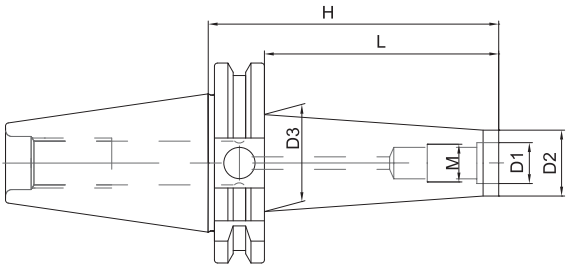
Kit Box: 1 milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino forte serraggio + 1 serie pinze + 1 chiave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Contenido del set: 1 cono de gran apriete + 1 juego de pinzas + 1 llave
Boîte d'équipement: 1 mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 патрон + 1 набор цанг + 1 ключ
组件盒: 1 个铣夹头 + 1 个夹头套装 + 1 个扳手

CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
KIT BT40 C20HS	N°1 BT40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT BT40 C32HS	N°1 BT40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
KIT TC40 C20HS	N°1 TC 40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT TC40 C32HS	N°1 TC 40 L100 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
KIT HSK63A C20HS	N°1 BT 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT HSK63A C32HS	N°1 BT 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25

MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTERS

SPANFUTTER FÜR EINSCHRAUBFRÄSER
CONOS PORTAFRESAS CON EXTREMO ROSCADO
ОПРАВКИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК
MANDRINI PER FRESE CON ATTACCO FILETTATO
MANDRINS POUR FRAISER A VISSER
螺纹连接型铣刀的铣刀杆

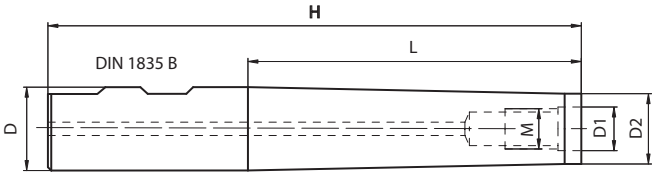
DIN 69871 AD



CODE N.	DESCRIPTION	ISO	M	D	D2	D3	H	L	G6,3 12000 RPM
217-81320	TC40H55M8	40	M8	8,5	13	15	55	36	•
217-81301	TC40H69M8	40	M8	8.5	13	23	69	50	•
217-81302	TC40H94M8	40	M8	8.5	13	23	94	75	•
217-81321	TC40H55M10	40	M10	10,5	18	20	55	36	•
217-81304	TC40H69M10	40	M10	10.5	18	23	69	50	•
217-81305	TC40H94M10	40	M10	10.5	18	28	94	75	•
217-81323	TC40H55M12	40	M12	12,5	21	24	55	36	•
217-81307	TC40H69M12	40	M12	125	21	24	69	50	•
217-81308	TC40H94M12	40	M12	12.5	21	31	94	75	•
217-81309	TC40H119M12	40	M12	12.5	21	31	119	100	•
217-81326	TC40H55M16	40	M16	17	29	32	55	36	•
217-81310	TC40H69M16	40	M16	17	29	34	69	50	•
217-81311	TC40H94M16	40	M16	17	29	34	94	75	•
217-81312	TC40H119M16	40	M16	17	29	36	119	100	•
217-81313	TC40H145M16	40	M16	17	29	39	145	126	•
217-81327	TC40H175M16	40	M16	17	29	39	175	156	•
217-81314	TC50H69M12	50	M12	12.5	21	24	69	50	•
217-81315	TC50H119M12	50	M12	12.5	21	32	119	100	•
217-81317	TC50H69M16	50	M16	17	29	34	69	50	•
217-81318	TC50H119M16	50	M16	17	29	36	119	100	•
217-81319	TC50H169M16	50	M16	17	29	42	169	150	•

EXTENSION FOR SCREW IN TYPE MILLS

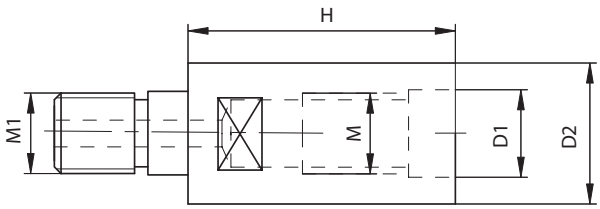
VERLÄNGERUNG FÜR EINSCHRAUBFRÄSER
EXTENSIONES PARA FRESAS CON EXTREMO ROSCADO
КОРПУСА ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК
PROLUNGHE PER FRESE CON ATTACCO FILETTATO
RALLONGES POUR FRAISES à VISSER
铣刀内部螺丝加长



CODE N.	DESCRIPTION	D	M	D1	D2	H	L
217-85201	D16H115M8	16	M8	8.5	12.8	115	60
217-85202	D16H160M8	16	M8	8.5	12.8	160	100
217-85203	D20H120M10	20	M10	10.5	17.8	120	60
217-85204	D20H160M10	20	M10	10.5	17.8	160	100
217-85205	D25H160M12	25	M12	12.5	20.8	160	100
217-85206	D32H160M16	32	M16	17	28.8	160	100

EXTENSION FOR SCREW IN END MILLS

VERLÄNGERUNG FÜR EINSCHRAUBFRÄSER
EXTENSIONES PARA FRESAS ROSCADAS
УДЛИНИТЕЛИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК
PROLUNGHE PER FRESE FILETTATE
RALLONGES POUR FRAISES FILETEE
铣刀内部螺丝加长



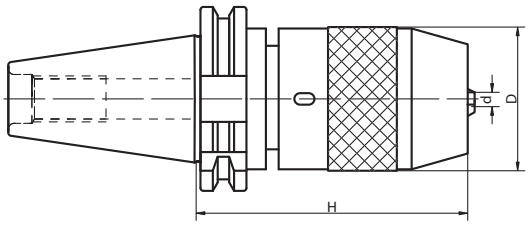
CODE N.	DESCRIPTION	M	M1	D1	D2	H
217-85709	M8H30M8	M8	M8	8.5	12.8	30
217-85710	M10H35M10	M10	M10	10.5	17.8	35
217-85711	M12H40M12	M12	M12	12.5	20.8	40
217-85712	M16H40M16	M16	M16	17	28.8	40

TOOLING by KINTEK®
COMPONENTI INNOVATIVI TECNOMECCANICI
KINTEK s.r.l.
Via Goretta 88/G - 10079 MAPPANO - (TO) - ITALY
Tel. +39 011 99 68 065 - Fax +39 011 99 65 662
e-mail: info@kintek.it
http://www.kintek.it

UNIVERSAL DRILL CHUCKS

NC-BOHRFUTTER MANDRINI PORTAPUNTE INTEGRALI
CONOS PORTABROCAS UNIVERSALES MANDRINS UNIVERSELS DE PERCAGE
УНИВЕРСАЛЬНЫЕ СВЕРЛИЛЬНЫЕ ПАТРОНЫ 万能钻夹头

DIN 69871 A



CODE N.	DESCRIPTION	ISO	H	D	CLAMPING CAPACITY	WRENCH
252-11211	TC40H100R1-13	40	100	50	1-13	816-111024
252-11212	TC40H115R3-16	40	115	57	3-16	816-111025
252-11213	TC50H100R1-13	50	100	50	1-13	816-111024
252-11214	TC50H105R3-16	50	105	57	3-16	816-111025

RUNOUT ACCURACY 0.05 MM T.I.R.
Supplied with spanner wrench to allow the application of supplementary gripping torque.
DO NOT USE IN REVOLUTION IN COUNTER-CLOCKWISE DIRECTION.

PRECISIONE DI ROTAZIONE 0.05 MM
Per incrementare la forza di serraggio i mandrini sono forniti con chiave di bloccaggio.
NON DEVONO ESSERE USATI PER LAVORAZIONI CON ROTAZIONE A SINISTRA.

RUNDLAUFGENAUIGKEIT 0.05 MM
Zur Erhöhung der Spannkraft werden diese Futter mit Spannschlüssel geliefert.
BEI LINKS LAUFENDEN BEARBEITUNGEN SIND DIESE FUTTER NICHT ZU BENUTZEN.

PRECISION DE ROTACION 0.05 MM
Se suministran con la llave de sujeción para incrementar la fuerza de apriete.
NO UTILIZAR PARA OPERACIONES CON ROTACION A IZQUIERDAS

PRECISION DE ROTATION 0.05 MM
Les mandrins sont fournis avec clé de blocage pour augmenter la force de serrage.
NE PAS UTILISER DANS USINAGE AVEC ROTATION A' GAUCHE.

БИЕНИЕ 0,05 ММ
Поставляется с ключом для более сильного зажима.
НЕ ВРАЩАТЬ ПРОТИВ ЧАСОВОЙ СТРЕЛКИ!

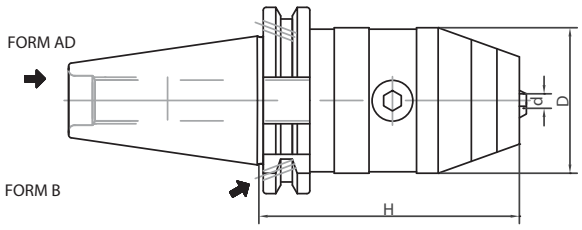
径向跳动精度 **0.05 MM T.I.R.**
提供活动扳手，以便施加补充夹紧力。
不得用于逆时针方向旋转。

06

UNIVERSAL DRILL CHUCKS

NC-BOHRFUTTER FÜR RECHTS-UND LINKSLAUF MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE
CONOS PORTABROCAS UNIVERSALES PARA ROTACION DESTRA E SINISTRA
A IZQUIERDAS Y A DERECHAS MADRIN DE PERCAGE CNC POUR ROTATION GAUCHE-DROITE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ВРАЩЕНИЕМ ПО- И ПРОТИВ ЧАСОВОЙ СТРЕЛКИ ДЛЯ СТАНКОВ С ЧПУ 左右旋转 NC 钻夹头

DIN 69871 ADB



CODE N.	DESCRIPTION	ISO	H	D	CLAMPING CAPACITY	WRENCH
252-11301	TC40H90R1-13X	40	90	50	1-13	816-152001
252-11302	TC40H95R3-16X	40	95	57	3-16	816-152001
252-11303	TC50H90R1-13X	50	90	50	1-13	816-152001
252-11304	TC50H95R3-16X	50	95	57	3-16	816-152001

RUNOUT ACCURACY 0.05 MM T.I.R.
Suitable for right and left rotation up to 7000 rpm.

PRECISIONE DI ROTAZIONE 0.05 MM.
Adatti per rotazione sia destra che sinistra, con velocitá max di 7000 g/min.

RUNDLAUFGENAUIGKEIT 0.05 MM
Sowohl für rechts- als auch links laufende Bearbeitungen geeignet, mit Höchstgeschwindigkeit von 7000 u/min.

PRECISION DE ROTACION 0.05 MM
Aptos tanto para rotación a izquierdas como para derechas, con velocidad máxima de 7000 rpm.

PRECISION DE ROTATION 0.05 MM
Utilisables pour rotation droite et gauche, avec maximale vélocité 7000 rpm.

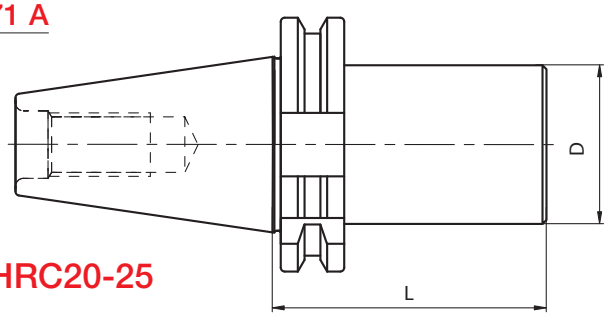
БИЕНИЕ 0,05 ММ
Можно вращать по- и против часовой стрелки со скоростью до 7000 об/мин.

径向跳动精度 **0.05 MM T.I.R.**
适用于最高转速达 7000 转/分钟的左右旋转

BLANK TOOLHOLDER WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT
CONOS SEMIACABADOS
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ
MANDRINI SEMILAVORATI A STELO TENERO
BARRES D'ALESAGE SEMI-FINIES
带软柄的切断刀柄

DIN 69871 A



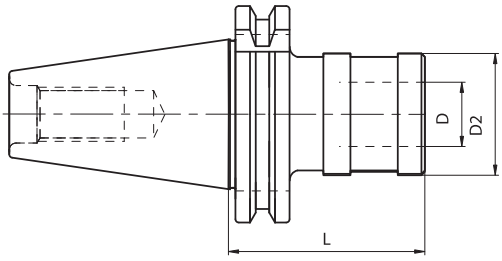
HRC20-25

CODE N.	DESCRIPTION	ISO	D	L
217-41204	TC40H160D40.5SM	40	40.5	160
217-41205	TC40H160D63.5SM	40	63.5	160
217-41206	TC40H250D63.5SM	40	63.5	250
217-41207	TC50H160D80SM	50	80	160
217-41208	TC50H200D80SM	50	80	200
217-41209	TC50H300D80SM	50	80	300

TENSION AND COMPRESSION TAPPING HEAD

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LÄNGENAUSGLEICH
ROSCADORES DE DOBLE COMPENSACION
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОМПЕНСАЦИЕЙ
MASCHIATORI A DOPPIA COMPENSAZIONE
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE A DOUBLE USAGE
张力和压缩丝攻头

DIN 69871 A

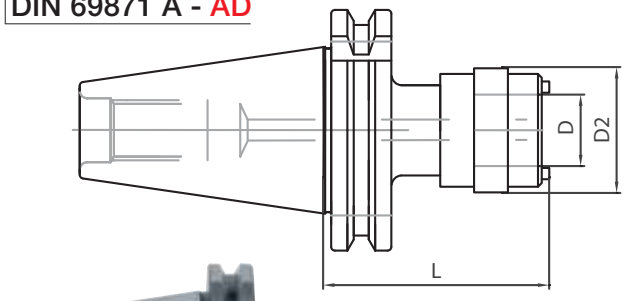


CODE N.	DESCRIPTION	ISO	SIZE	TOP RANGE	PRESS.	EXT.	D	D2	L
M3008	TC30H60GR1.DC	30	1	M3-M12	9	9	19	38	60
M3010	TC40H60GR1.DC	40	1	M3-M12	9	9	19	38	60
M3110	TC40H92GR2.DC	40	2	M6-M20	15	15	31	53	92
M3210	TC40H138GR3.DC	40	3	M14-M33	24	24	48	78	138
M3030	TC50H62GR1.DC	50	1	M3-M12	9	9	19	38	62
M3130	TC50H83GR2.DC	50	2	M6-M20	15	15	31	53	83
M3230	TC50H133GR3.DC	50	3	M14-M33	24	24	48	78	133

SOLID TAPPING HEAD

GEWINDESCHNEID-SCHNELLWECHSELFUTTER OHNE LÄNGENAUSGLEICH
ROSCADORES RIGIDOS SIN COMPENSACION
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ БЕЗ КОМПЕНСАЦИИ
MASCHIATORI RIGIDI SENZA COMPENSAZIONE
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE SANS COMPENSATION
固定攻丝头

DIN 69871 A - AD



CODE N.	DESCRIPTION	ISO	SIZE	TOP RANGE	D	D2	L
M5020	TC40H59GR1.SC	40	1	M3-M12	19	33	59
M5040	TC40H82GR2.SC	40	2	M6-M20	31	50	82

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

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KINTEK®

COMPONENTI INNOVATIVI TECNOMECCANICI

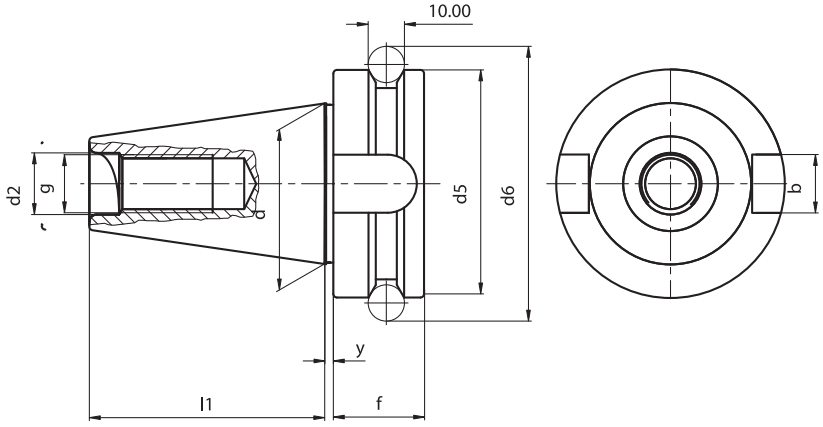
JIS B 6339

(MAS 403/BT A-AD/B-AD)

TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
CARACTERISTICAS TECNICAS DE LOS CONOS DONNEES TECHNIQUES QUEUE D'OUTILS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ 锥柄数据表

JIS-B 6339 MAS 403/BT A-AD/B - MAS 403/BT A

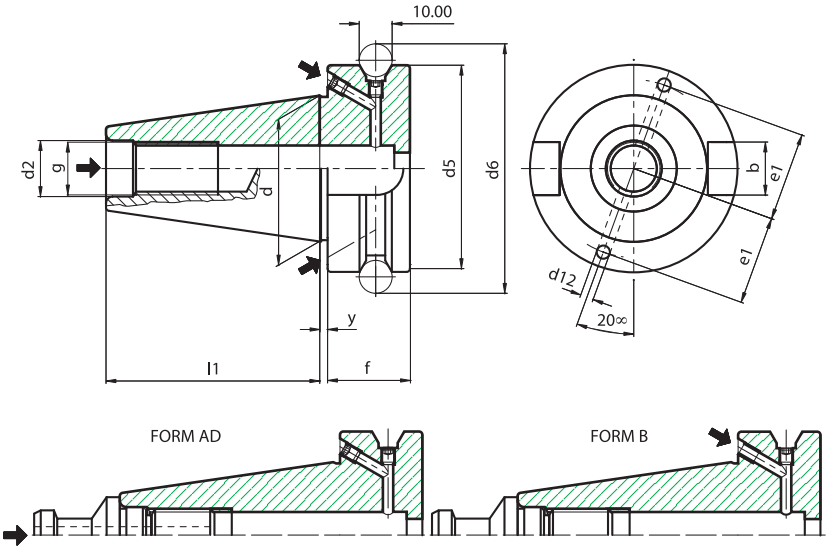


BT	d	l1	d2	g	y	d5	f	d6	b
30	31,75	48,4	12,5	M12	2	46	20	56,144	16,1
40	44,45	65,4	17	M16	2	63	25	75,68	16,1
50	69,85	101,8	25	M24	3	100	35	110,02	25,7

TAPER SHANKS DATA SHEET

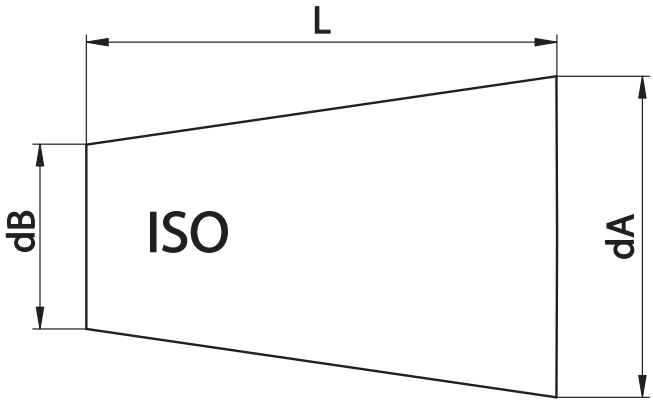
TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
CARACTERISTICAS TECNICAS DE LOS CONOS DONNEES TECHNIQUES QUEUE D'OUTILS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ 锥柄数据表

JIS-B 6339 MAS 403/BT A-AD/B - MAS 403/BT AD/B



BT	d	l1	d2	g	y	d5	f	d6	d12	el	b
40	44,45	65,4	17	M16	2	63	25	75,68	4	27	16,1
50	69,85	101,8	25	M24	3	100	35	110,02	5	42	25,7

For coolant through V-flange bores (B) or center of toolholders (AD). For central coolant, the V-flange channels are closed by socket screws.
Il lubrificante passa dai fori sulla flangia (B) oppure, chiudendo i fori con le apposite viti, dal centro del mandrino (AD).
El refrigerante pasa por los agujeros de la valona (B) o, cerrando los agujeros con los correctos tornillos, por el centro del cono (AD).
Das Kühlmittel geht durch die Löcher am Bund (B) oder, wenn die Löcher mit den Schrauben geschlossen werden, zentral durch Aufnahme (AD).
Le lubrifiant passe par les trous de la bride (B) ou, si on ferme les trous avec des vis, par le centre du mandrin (AD).
Для подачи СОЖ через отверстия во фланце (форма B) или через центральное отверстие (форма AD). Для подачи СОЖ через центральное отверстие боковые должны быть закрыты винтами.
冷却剂需通过V型法兰孔（B）或刀柄（AD）。对于中央冷却剂，V型法兰通道是由凹头螺丝拧紧的。



CONE'S TOLERANCE
ACCORDING TO THE CLASS AT3.

TOLLERANZA DEL CONO
PRODOTTI IN CLASSE AT3.

KEGELSCHAFTTOLERANZ
IN KLASSE AT3 ANGEFERTIGT.

TOLERANCE DU CONE
EN CLASSE AT3.

ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

KINTEK DIN TOOLHOLDERS

TECHNICAL FEATURES

JIS-B 6339 MAS 403/BT A-AD/B

ALL KINTEK TOOLHOLDERS ARE MANUFACTURED ACCORDING TO DIN NORM.

COLLET CHUCK'S RUNOUT ACCURACY
The norm DIN6391 permits a runout error between external cone and internal cone / collet seat of 0.016. Our production has a runout accuracy which is guaranteed to be within 0,003 / 0,010 m at the tool seat.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY
Our shell end mill adaptors meet the requirements of the norm DIN6358, which prescribes for diameters 16-22-27-32-40 a runout accuracy of: 0, 01 for SK 30/40 0,015 for SK 50.

WELDON END MILL HOLDER'S RUNOUT ACCURACY
According to the norm DIN6359-1 Weldon end mill holders have to meet the following requirements:
Bore: H5 tolerance
Runout accuracy: < 0.01 (for SK 40)

Our end mill adaptors ensure the prescribed holes' tolerance and have a runout accuracy which is normally 0.005

BALANCING
The major part of toolholders of this category can run up to 8000 rpm grade G 6,3 or 12000 rpm. Besides the descriptive and dimensional table of products, you can find the addictive balancing grade.

CONSTRUCTIVE FEATURES
- Manufactured with Casehardening Steel.
- Casehardened with depth 0,6 - 0,8 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Internal and external grinding finished.

NEW HIGH-SPEED BALANCING TOOLHOLDERS
The new high-speed toolholders are balanced in the Grade G 2,5 at 25000 rpm.

CONSTRUCTIVE FEATURES FOR HIGH-SPEED TOOLHOLDERS
- Manufactured with casehardening Steel.
- Casehardened with depth 0,6 - 0,8 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Internal and external grinding finish of the cone
- Grinding finish on the front side and on the thread of collet nuts.
- Tested 100% with certified measuring instruments and supplied with balancing certificate

MANDRINI KINTEK CON ATTACCO ISO

DATI TECNICI

JIS-B 6339 MAS 403/BT A-AD/B

TUTTI I MANDRINI PORTAUTENSILI KINTEK VENGONO PRODOTTI SECONDO LE NORMATIVE DIN

COASSIALITÀ PORTAPINZE
La norma DIN6391 ammette un errore massimo di 0.016 sia per i portapinze DIN6499/ISO15488 che per DIN6388.
La nostra produzione normalmente presenta uno scostamento massimo di eccentricità tra cono ISO e sede pinza compreso tra i 0,003 e 0,010 mm.

COASSIALITÀ PORTAFRESE FISSI E COMBINATI
I portafrese fissi e combinati di nostra produzione rispondono ai criteri prescritti dalla norma DIN6358, la quale prevede un errore massimo di coassialità tra cono ISO 30 e ISO 40 ed i diametri 16-22-27-32-40, di 0,01.
Mentre per ISO 50 è ammesso un errore massimo di 0,015 mm.

COASSIALITÀ PORTAFRESE WELDON WHISTLE NOTCH
Rispettando la normativa DIN 6359-1 i portafrese WELDON deveno rispondere ai seguenti requisiti:
foro: tolleranza H5
coassialitá: scostamento massimo consentito tra cono e sede Weldon <0.01 (per ISO 40)
Garantiamo la tolleranza prescritta sul foro e un valore di coassialitá mediamente di 0.005.

EQUILIBRATURA
La maggior parte dei portautensili presenti in questa categoria sono prebilanciati in classe G 6,3 8000 rpm min -1. o bilanciati a 12000 giri rpm min-1.
A fianco della tabella descrittiva e dimensionale dei prodotti viene elencato il grado di equilibratura aggiuntiva.

DATI COSTRUTTIVI
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza

EQUILIBRATURA MANDRINI PER ALTE VELOCITÀ
I mandrini presenti nella linea nuova ad alta velocità vengono bilanciati in classe G 2,5 a 25000 rpm min - 1.

DATI COSTRUTTIVI MANDRINI PER ALTE VELOCITÀ
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna del cono
- Rettifica parte anteriore e nelle filettature delle ghiere chiudipinza
- Collaudati 100% con strumenti di misura certificati e forniti con certificato di bilanciatura.

KINTEK - STEILKEGELAUFNAHMEN — TECHNISCHE DATEN

JIS-B 6339 MAS 403/BT A-AD/B

ALLE KINTEK-STEILKEGELAUFNAHMEN WERDEN NACH DEN DIN-NORMEN ANGEFERTIGT.

SPANNZANGENAUFNAHME RUNDLAUFGENAUIGKEIT
Die DIN 6391- Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel / Spannzangensitz vom 0,016 vor. Unsere Spannzangenfutter weisen einen Rundlauffehler zwischen ISO-Kegelaufnahme und Spannzangensitz, der zwischen 0,003 und 0,010 mm liegt.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Kintek- Aufsteckfräsdorne entsprechen der DIN 6358- Norm, die einen höchsten Rundlauffehler zwischen ISO 30- und ISO40- Kegel und den Durchmessern 16-22-27-32-40 vom 0,01 vorsieht. Der mögliche höchste Rundlauffehler für ISO 50 ist 0,015 mm.

WELDON AUFSTECKFRÄSDORNE RUNDLAUFGENAUIGKEIT
Nach der DIN 6359-1-Norm müssen die Weldon-Aufsteckfräsdorne die folgenden Forderungen aufweisen:
Bohrung: Toleranz H5
Rundlaufgenauigkeit: höchster möglicher Rundlauffehler zwischen Kegel und Weldonsitz < 0,01 (für ISO 40) Die vorgeschriebene Toleranz der Bohrung und eine durchschnittliche Rundlaufgenauigkeit von 0,005 sind erreicht.

WUCHTUNG
Die meisten Werkzeughalter dieser Gruppe sind in Klasse G6,3 auf 8.000 U/Min -1 vorgewuchtet oder auf 12.000 U/Min -1 gewuchtet.
Neben der Übersichtstabelle der Produkte wird die Wuchtgüte angegeben.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,6-0,8 mm
- gehärtet, angelassen
- Härte HRC58 +-2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen und am Gewinde der Spannzangenmutter

WUCHTUNG FÜR HÖHERE DREHZAHLEN
Die Hochgeschwindigkeit- Steilkegelaufnahmen der neuen Linie werden in Klasse G2,5 auf 25.000 U/Min -1 gewuchtet.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,6-0,8 mm
- gehärtet, angelassen
- Härte HRC 58 +- 2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen des Kegels
- Schleifen der Vorderseite und am Gewinde der Spannzangenmutter
- 100% durch zertifizierte Meßinstrumente geprüft und mit Wuchtungsprotokoll geliefert

CONOS KINTEK CON ACOPLAMIENTO ISO — CARACTERISTICAS TECNICAS

JIS-B 6339 MAS 403/BT A-AD/B

TODOS LOS CONOS PORTAHERRAMIENTAS DE KINTEK SON FABRICADOS DE ACUERDO CON LAS NORMATIVAS DIN

CONCENTRICIDAD DE LOS PORTAPINZAS
La normativa DIN6391 permite un error máximo de 0.016 tanto para los portapinzas DIN6499/ISO15488 como para los DIN6388. Nuestra producción suele presentar una desviación máxima de concentricidad entre el cono ISO y la base de la pinza comprendido entre 0,003 y 0,010 mm.

CONCENTRICIDAD DE LOS PORTAFRESAS
Los portafresas de nuestra producción cumplen los criterios establecidos desde la normativa DIN6358, que prevé un error máximo de concentricidad entre los conos ISO 30 y ISO 40 y los diámetros 16-22-27-32-40 de 0,01, mientras que para los conos ISO 50 de 0,015 mm.

CONCENTRICIDAD DE LOS PORTAFRESAS WELDON
Respetando la normativa DIN6359-1 los porta fresas Weldon tienen que cumplir los siguientes requisitos:
Agujero: tolerancia H5
Concentricidad: desviación máxima entre cono y base Weldon <0.01 (para ISO40)
Garantizamos la tolerancia establecida sobre el agujero y un valor de concentricidad normalmente de 0.005

EQUILIBRADO
La mayoría de los porta herramientas presentes en esa categoría son pre-equilibrados en clase G 6,3 a 8000 rpm min -1 o equilibrados a 12000 rpm min-1.
Al lado de la tabla descriptiva y dimensional de los productos va mencionado el grado de equilibrado adicional.

CARACTERISTICAS DE CONSTRUCCION
- Fabricados con acero de cementación
- Capa de cementado con 0,6 – 0,8 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior, exterior y en el roscado de la tuerca de cierre rectificados

EQUILIBRADO PARA CONOS DE ALTA VELOCIDAD
Los conos que están presentes en la nueva línea de alta velocidad son equilibrados en clase G 2,5 a 25000 rpm min -1.

CARACTERISTICAS DE CONSTRUCCION PARA CONOS DE ALTA VELOCIDAD
- Fabricados con acero de cementación
- Capa de cementado con 0,6 – 0,8 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior y exterior rectificados
- Rectificados en la parte anterior y en el roscado de la tuerca de cierre
- Testado 100% y con certificado de calidad

MANDRINS KINTEK AVEC ATTACHEMENT ISO — DONNEES TECHNIQUES

JIS-B 6339 MAS 403/BT A-AD/B

TOUS LES MANDRINS PORTE-OUTILS KINTEK SONT PRODUITS SUIVANT LES SPÈCIFICATIONS DIN

COAXIALITE' PORTE-PINCE
La norme DIN6391 admet une erreur maximum du 0.016 soit pour les porte-pinces DIN6499/ISO15488 soit pour DIN6388.
Dans notre production l'écart d'excentricité maximum entre cône ISO et logement de la pince est compris entre: 0,003 et 0,0010 mm.

COAXIALITE' PORTE-FRAISES FIXES ET COMBINES
Les porte-fraises fixes et combinés de notre production suivent la spécification de la norme DIN6358, qui prévoit pour les diamètres 16-22-27-32-40 une concentricité de 0,01 pour ISO 30 et ISO 40 0,015 pour ISO 50

COAXIALITE' PORTE-FRAISES WELDON
Suivant les spécifications DIN 6359-1 les porte-fraises WELDON doivent suivre les conditions suivantes:
Trou : tolérance H5
Coaxialité: écart maximum toléré entre cône et logement du Weldon <0.01 (pour ISO 40).
Nous assurons la tolérance prévue sur le trou et une coaxialité en moyenne de 0.005.

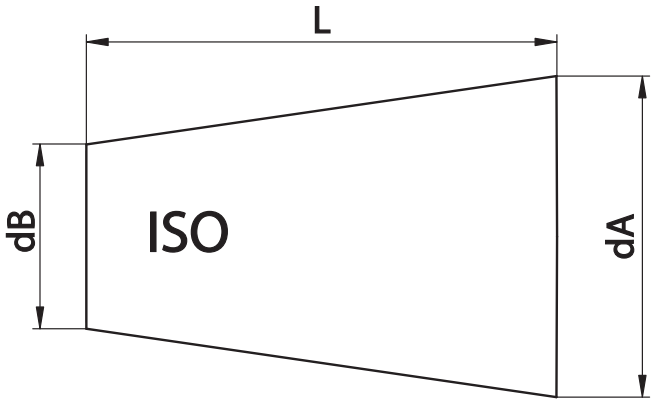
EQUILIBRAGE
La plupart des porte-outils sont pré-équilibrés en classe G 6,3 8000 Tr/Min -1. ou équilibrés à 12000 Tr/Min-1.

A côté du tableau de description et dimensions des produits il y a l'indication de la valeur d'équilibrage additionnel.

ELEMENTS DE CONSTRUCTION
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,6 - 0,8 mm
- Trempés - Revenus
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Rectification du cône intérieur, extérieur et dans le filetage des écrous qui serrent la pince.

EQUILIBRAGE MANDRINS POUR HAUTE VITESSE
Les mandrins de la nouvelle ligne à haute vitesse sont équilibrés en classe G 2,5 à 25000 Tr/mn-1.

ELEMENTS DE CONSTRUCTION POUR MANDRINS HAUTE VITESSE
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,6 - 0,8 mm
- Trempé - Revenu
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Finition de rectification intérieure, extérieure et du cône
- Rectification du cône intérieur et dans le filetage des écrous qui serrent la pince.
- Contrôlés à 100 % avec des instruments de mesure certifiés et livrés avec un certificat d'équilibrage.



ТОЧНОСТЬ КОНУСА
СООТВЕТСТВУЕТ КЛАССУ AT3.

锥体的误差
根据 AT3 级别

ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

ОПРАВКИ KINTEK ПО DIN — ТЕХНИЧЕСКОЕ ОПИСАНИЕ

JIS-B 6339 MAS 403/BT A-AD/B

ВСЕ ОПРАВКИ KINTEK ПРОИЗВЕДЕНЫ СОГЛАСНО СТАНДАРТУ DIN.

БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
В соответствие с нормами DIN6391, допустимое биение конуса оправки относительно конического отверстия под цангу составляет 0,016 мм. Гарантированная точность биения отверстия под инструмент - 0,003 мм/0,010 м.

БИЕНИЕ ОПРАВОК ДЛЯ НАСАДНЫХ ФРЕЗ
Патроны изготовлены в соответствие с требованиями DIN 6358, согласно которым биение для диаметров 16-22-27-32-40 составляет 0,01 мм для SK 30/40 и 0,015 мм для SK 50.

БИЕНИЕ ПАТРОНОВ С КРЕПЛЕНИЕМ WELDON
Оправки соответствуют следующим требованиям DIN 6359-1:
Точность отверстия: H5
Биение: < 0,01 (для SK 40)
Оправки Kintek изготовлены с гарантированной точностью отверстий и биением 0,005 мм.

БАЛАНСИРОВКА
Оправки данной категории предварительно сбалансированы по классу G6,3 при 8000 об/мин или 12000 об/мин.

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,6 - 0,8 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 H/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внутренняя и внешняя поверхности

НОВЫЕ ВЫСОКОСКОРОСТНЫЕ СБАЛАНСИРОВАННЫЕ ОПРАВКИ
Новые высокоскоростные оправки сбалансированы до класса G 2,5 при 25000 об/мин.

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ ВЫСОКОСКОРОСТНЫХ ОПРАВОК
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,6 - 0,8 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 H/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внутренняя и внешняя поверхности
- Шлифованный торец и резьба под гайку в цанговых патронах
- Каждая оправка испытана и поставляется с сертификатом о балансировке

KINTEK 符合 DIN 标的刀柄 — 技术特点

JIS-B 6339 MAS 403/BT A-AD/B

所有 KINTEK 刀柄均根据 DIN 标准来制造。

弹簧夹头的径向跳动精度
DIN6391 标准允许在外部锥体与内部锥体/夹头座之间的径向跳动误差为0.016。
我公司的生产保证在工具底座处径向跳动精度为 0,003 / 0,010 米之间。

平面铣接头的径向跳动精度
我公司的平面铣接头满足 DIN6358 标准要求，该标准规定了直径为 16-22-27-32-40 的径向跳动精度，对于SK 30/40 为0, 01，对于SK 50为0,015。

威尔登式端铣夹具的径向跳动精度
根据 DIN6359-1 标准规定，威尔登式端铣夹具必须要达到下列要求：
孔：H5 误差
径向跳动精度：< 0.01 (对于 SK 40)
我公司的平面铣接头确保可达到规定的孔的误差，通常的径向跳动精度为 0.005。

平衡
这种类型的刀柄的主要部分最高转速可达到 G 6,3 级的 8000 转/分钟或 12000 转/分钟。

结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,6 - 0,8 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- 黑色氧化。
- 内部及外部表面打磨处理。

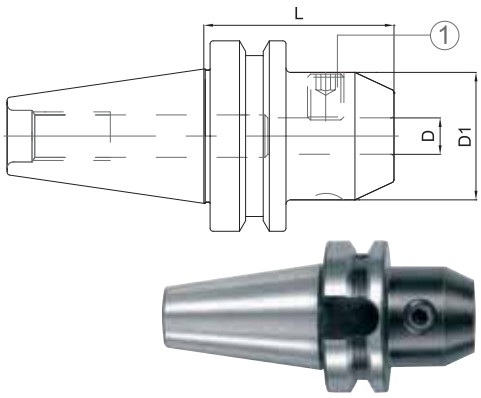
新型高速平衡刀柄
新型高速平衡刀柄在 G 2,5 级，25000 转/分钟达到平衡。

高速刀柄的结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,6 - 0,8 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N/ 平方毫米。
- 黑色氧化。
- 锥体内部及外部表面打磨处理。
- 夹头螺母螺纹正面和上面进行打磨处理。
- 使用经过认证的测量仪器检测，供货时提供平衡检测证书。

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON | MANDRINI PORTAFRESE TIPO WELDON
CONOS PORTAHERRAMIENTAS WELDON | MANDRINS POUR OUTILS TYPE WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON | 威尔登式端铣夹具

JIS-B 6339 MAS 403/BT AD - DIN 1835 B



CODE N.	DESCRIPTION	ISO	D	L	D1	G2,5 25000 RPM
213-91401	BT40H50WE06	40	6	50	25	•
213-91402	BT40H50WE08	40	8	50	28	•
213-91403	BT40H63WE10	40	10	63	35	•
213-91404	BT40H63WE12	40	12	63	42	•
213-91406	BT40H63WE16	40	16	63	48	•
213-91408	BT40H63WE20	40	20	63	52	•
213-91409	BT40H90WE25	40	25	90	65	•
213-91410	BT40H100WE32	40	32	100	72	•

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

D	LOCKING SCREW	QUANTITY
	1	
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

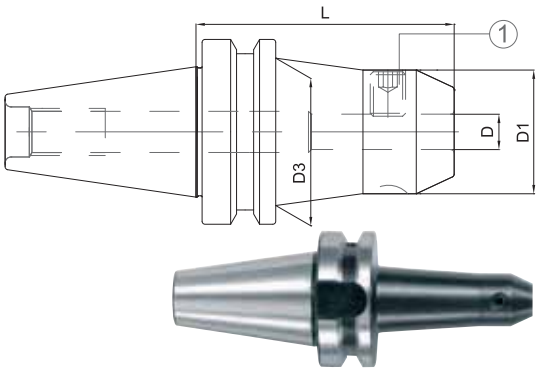
HIGH BALANCED

06

END MILL HOLDERS WELDON-LONG PROJECTION TYPE

ZYLINDERSCHAFTAUFNAHME WELDON-LANG | MANDRINI PORTAFRESE TIPO WELDON-SERIE LUNGA
CONOS PORTAHERRAMIENTAS WELDON - SERIE LARGA | MANDRINS POUR OUTILS TYPE WELDON-SERIE LONGUE
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. УДЛИНЕННОЕ ИСПОЛНЕНИЕ | 威尔登式端铣夹具-长形凸点式

JIS-B 6339 MAS 403/BT AD - DIN 1835 B



	CODE N.	DESCRIPTION	ISO	D	L	D1	D3	G2,5 25000 RPM
H100	213-91424	BT40H100WE06	40	6	100	25	35	•
	213-91425	BT40H100WE08	40	8	100	28	38	•
	213-91426	BT40H100WE10	40	10	100	35	40	•
	213-91427	BT40H100WE12	40	12	100	42	-	•
	213-91429	BT40H100WE16	40	16	100	48	-	•
	213-91431	BT40H100WE20	40	20	100	52	-	•

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

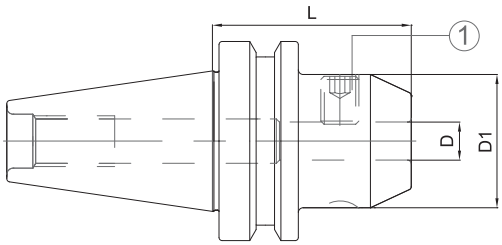
D	LOCKING SCREW	QUANTITY
	1	
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

HIGH BALANCED

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON
MANDRINI PORTAFRESE TIPO WELDON
MANDRINS POUR OUTILS TYPE WELDON
威尔登式端铣夹具

JIS-B 6339 MAS 403/BT AD - DIN 1835 B



CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 12000 RPM
263-11501	BT30H50WE06	30	6	50	25	•
263-11502	BT30H50WE08	30	8	50	28	•
263-11503	BT30H50WE10	30	10	50	35	•
263-11504	BT30H55WE12	30	12	55	42	•
263-11505	BT30H63WE16	30	16	63	48	•
263-11506	BT30H70WE20	30	20	70	52	•
213-11413	BT40H50WE06	40	6	50	25	•
213-11414	BT40H50WE08	40	8	50	28	•
213-11415	BT40H63WE10	40	10	63	35	•
213-11416	BT40H63WE12	40	12	63	42	•
213-11417	BT40H63WE14	40	14	63	44	•
213-11418	BT40H63WE16	40	16	63	48	•
213-11419	BT40H63WE18	40	18	63	50	•
213-11420	BT40H63WE20	40	20	63	52	•
213-11421	BT40H90WE25	40	25	90	65	•
213-11422	BT40H100WE32	40	32	100	72	•
213-11465	BT40H105WE40	40	40	105	80	•
213-11423	BT50H63WE06	50	6	63	25	•
213-11424	BT50H63WE08	50	8	63	28	•
213-11425	BT50H70WE10	50	10	70	35	•
213-11426	BT50H80WE12	50	12	80	42	•
213-11427	BT50H80WE14	50	14	80	44	•
213-11428	BT50H80WE16	50	16	80	48	•
213-11429	BT50H80WE18	50	18	80	50	•
213-11430	BT50H80WE20	50	20	80	52	•
213-11431	BT50H100WE25	50	25	100	65	•
213-11432	BT50H105WE32	50	32	105	72	•
213-11433	BT50H120WE40	50	40	120	80	•
263-11425	BT50H125WE50	50	50	125	100	•

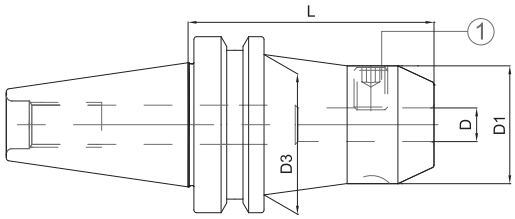
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

D	LOCKING SCREW ❶	QUANT.
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2
40	811-106009	2
50	811-106011	2

END MILL HOLDERS WELDON-LONG PROJECTION TYPE

ZYLINDERSCHAFTAUFNAHME WELDON-LANG | MANDRINI PORTAFRESE TIPO WELDON-SERIE LUNGA
CONOS PORTAHERRAMIENTAS WELDON - SERIE LARGA | MANDRINS POUR OUTILS TYPE WELDON-SERIE LONGUE
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. УДЛИНЕННОЕ ИСПОЛНЕНИЕ | 威尔登式端铣夹具-长形凸点式

JIS-B 6339 MAS 403/BT AD - DIN 1835 B



	CODE N.	DESCRIPTION	ISO	D	L	D1	D3	G6,3 12000 RPM	G6,3 8000 RPM
H 100	213-11434	BT40H100WE06	40	6	100	25	35	•	
	213-11435	BT40H100WE08	40	8	100	28	38	•	
	213-11436	BT40H100WE10	40	10	100	35	40	•	
	213-11437	BT40H100WE12	40	12	100	42	-	•	
	213-11438	BT40H100WE14	40	14	100	44	-	•	
	213-11439	BT40H100WE16	40	16	100	48	-	•	
	213-11440	BT40H100WE18	40	18	100	50	-	•	
	213-11441	BT40H100WE20	40	20	100	52	-	•	
	213-11421	BT40H90WE25	40	25	90	65	-	•	
	213-11422	BT40H100WE32	40	32	100	72	-	•	
	213-11448	BT50H100WE06	50	6	100	25	35		•
	213-11449	BT50H100WE08	50	8	100	28	38		•
	213-11450	BT50H100WE10	50	10	100	35	42		•
	213-11451	BT50H100WE12	50	12	100	42	48		•
	213-11453	BT50H100WE16	50	16	100	48	54		•
	213-11455	BT50H100WE20	50	20	100	52	66		•
H 160	213-11442	BT40H160WE06	40	6	160	25	35	•	
	213-11443	BT40H160WE08	40	8	160	28	38	•	
	213-11444	BT40H160WE10	40	10	160	35	40	•	
	213-11445	BT40H160WE12	40	12	160	42	-	•	
	213-11446	BT40H160WE16	40	16	160	48	-	•	
	213-11447	BT40H160WE20	40	20	160	52	-	•	
	213-11468	BT40H160WE25	40	25	160	65	-	•	
	213-11469	BT40H160WE32	40	32	160	72	-	•	
	213-11458	BT50H160WE08	50	8	160	28	45		•
	213-11459	BT50H160WE10	50	10	160	35	49		•
	213-11460	BT50H160WE12	50	12	160	42	55		•
	213-11461	BT50H160WE16	50	16	160	48	60		•
	213-11462	BT50H160WE20	50	20	160	52	69		•
	213-11472	BT50H160WE25	50	25	160	65	72		•
	213-11473	BT50H160WE32	50	32	160	72	-		•
H 200	213-11484	BT50H200WE06	50	6	200	25	42		•
	213-11485	BT50H200WE08	50	8	200	28	45		•
	213-11486	BT50H200WE10	50	10	200	35	49		•
	213-11487	BT50H200WE12	50	12	200	42	55		•
	213-11489	BT50H200WE16	50	16	200	48	60		•
	213-11491	BT50H200WE20	50	20	200	52	63		•
	213-11492	BT50H200WE25	50	25	200	65	72		•
	213-11463	BT50H200WE32	50	32	200	72	-		•

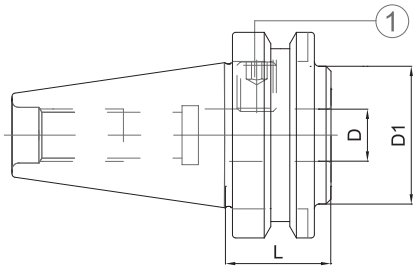
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

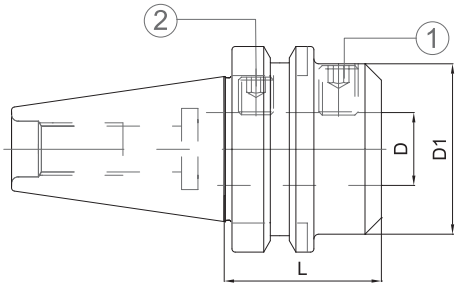
D	LOCKING SCREW	QUANTITY
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

SHORT END MILL WELDON HOLDERS

KURZE ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON CORTOS
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. КОРОТКОЕ ИСПОЛНЕНИЕ
MANDRINI CORTI PORTAFRESE TIPO WELDON
MANDRINS COURTS PORTE-FRAISE TYPE WELDON
威尔登式短端铣刀夹具

JIS-B 6339 MAS 403/BT AD - DIN 1835 B





Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

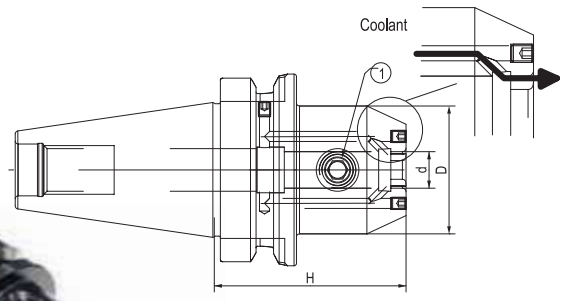
CODE N.	LOCKING SCREW ❶	QUANT.	LOCKING SCREW ❷	QUANT.
263-115620	811-106004	1		
263-115630	811-106013	1		
263-115640	811-106026	1		
263-115650	811-106024	1		
263-115660	811-106026	1		
213-11493	811-106006	1		
213-11494	811-106027	1		
213-11495	811-106027	1		
213-11496	811-106014	1	811-106027	1
213-11497	811-106009	1	811-106046	1
213-11498	811-106006	1	-	
213-11499	811-106007	1	-	
263-11401	811-106008	1	-	
263-11402	811-106009	1	-	

CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 12000 RPM
263-115620	BT30H35WE10	30	10	35	35	-
263-115630	BT30H35WE12	30	12	35	42	-
263-115640	BT30H35WE16	30	16	35	42	-
263-115650	BT30H35WE20	30	20	35	43	-
263-115660	BT30H35WE25	30	25	35	45,5	-
213-11493	BT40H35WE16	40	16	35	44	•
213-11494	BT40H35WE20	40	20	35	44	•
213-11495	BT40H35WE25	40	25	35	44	•
213-11496	BT40H60WE25	40	25	60	49	•
213-11497	BT40H70WE32	40	32	70	72	•
213-11498	BT50H44WE16	50	16	44	70	•
213-11499	BT50H44WE20	50	20	44	70	•
263-11401	BT50H44WE25	50	25	44	70	•
263-11402	BT50H44WE32	50	32	44	80	•

END MILL HOLDERS WELDON WITH COOLANT CHANNELS

STEILKEGELAUFNAHMEN WELDON MIT KÜHLKANÄLE
CONOS PORTAHERRAMIENTAS WELDON CON REFRIGERACION
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ
PORTAFRESE TIPO WELDON CON LUBRIFICAZIONE
PORTE-FRAISES TYPE WELDON AVEC CANAL D'ARROSAGE
威尔登式端铣夹具，配备出水结构

JIS-B 6339 MAS-403/BT AD - DIN 1835 B



Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

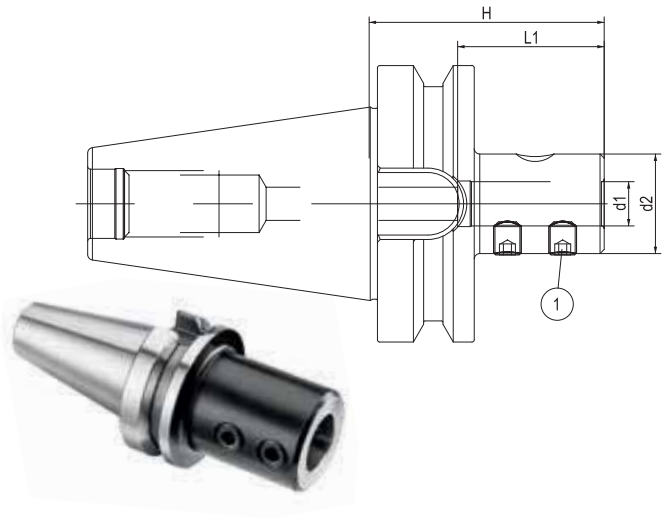
D	LOCKING SCREW	QUANT.
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2
40	811-106009	2

CODE N.	DESCRIPTION	ISO	d	H	D	G6,3 12000
213-61423	BT40H50WE06-IK	40	6	50	25	•
213-61424	BT40H50WE08-IK	40	8	50	28	•
213-61425	BT40H63WE10-IK	40	10	63	35	•
213-61426	BT40H63WE12-IK	40	12	63	42	•
213-61427	BT40H63WE14-IK	40	14	63	44	•
213-61428	BT40H63WE16-IK	40	16	63	48	•
213-61429	BT40H63WE18-IK	40	18	63	50	•
213-61430	BT40H63WE20-IK	40	20	63	52	•
213-61431	BT40H90WE25-IK	40	25	90	63	•
213-61432	BT40H100WE32-IK	40	32	100	72	•
213-61433	BT40H105WE40-IK	50	40	105	80	•
213-61434	BT50H63WE06-IK	50	6	63	25	•
213-61435	BT50H63WE08 -IK	50	8	63	28	•
213-61436	BT50H70WE10-IK	50	10	70	35	•
213-61437	BT50H80WE12-IK	50	12	80	42	•
213-61438	BT50H80WE14-IK	50	14	80	44	•
213-61439	BT50H80WE16-IK	50	16	80	48	•
213-61440	BT50H80WE18-IK	50	18	80	50	•
213-61441	BT50H80WE20-IK	50	20	80	52	•
213-61442	BT50H100WE25-IK	50	25	100	63	•
213-61443	BT50H105WE32-IK	50	32	105	72	•
213-61444	BT50H120WE40-IK	50	40	120	80	•

INDEXABLE DRILL HOLDERS

VOLLBOHRERHALTER PORTAPUNTE
PORTABROCAS PORTE-OUTIL POUR BARRES DE PERCAGE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ 钻刀柄

JIS-B 6339 MAS-403/BT AD



CODE N.	DESCRIPTION	ISO	d1	d2	H	L1	G6,3 12000 RPM
217-90988	BT40H75D16-E1	40	16	36	75	53	•
217-90989	BT40H75D20-E1	40	20	40	75	53	•
217-90990	BT40H80D25-E1	40	25	45	80	60	•
217-90991	BT40H85D32-E1	40	32	52	85	64	•
217-90992	BT50H80D16-E1	50	16	36	80	53	•
217-90993	BT50H80D20-E1	50	20	40	80	53	•
217-90994	BT50H90D25-E1	50	25	45	90	60	•
217-90995	BT50H90D32-E1	50	32	52	90	64	•
217-90996	BT50H100D40-E1	50	40	60	100	74	•

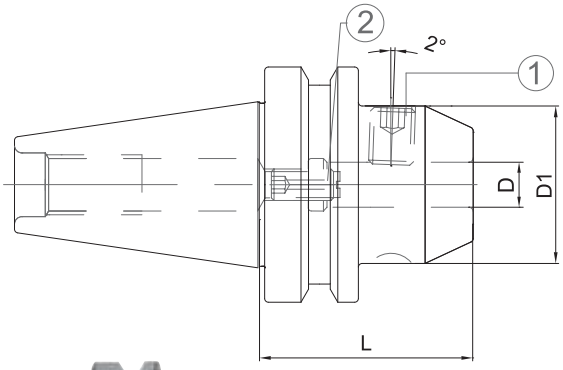
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

D1	LOCKING SCREW	QUANT.
16, 20	811-402003	2
25, 32	811-402005	2
40	811-402007	2

END MILL HOLDERS WHISTLE NOTCH

ZYLINDERSCHAFTAUFNAHME WHISTLE NOTCH MANDRINI PORTAFRESE TIPO WHISTLE NOTCH
CONOS PORTAHERRAMIENTAS TIPO WHISTLE NOTCH MANDRINS POUR OUTILS TYPE WHISTLE NOTCH
ОПРАВКИ С КРЕПЛЕНИЕМ WHISTLE NOTCH 侧固式铣刀柄

JIS-B 6339 MAS 403/BT AD - DIN 1835 E



CODE N.	DESCRIPTION	ISO	D	L	D1	G6,3 12000 RPM
213-31417	BT40H63WN16	40	16	63	48	•
213-31419	BT40H63WN20	40	20	63	52	•
213-31420	BT40H90WN25	40	25	90	65	•
213-31421	BT40H100WN32	40	32	100	72	•
213-31422	BT40H105WN40	40	40	105	80	•

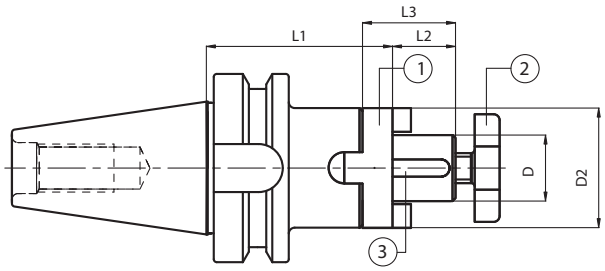
Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

D	LOCKING SCREW ❶	QUANT.	STOP SCREW ❷	M
6	811-106001	1	811-303043	1
8	811-106002	1	811-303081	1
10	811-106004	1	811-303082	1
12,14	811-106005	1	811-303083	1
16,18	811-106006	1	811-303084	1
20	811-106007	1	811-303084	1
25	811-106008	2	811-303085	1
32	811-106009	2	811-303085	1
40	811-106009	2	811-303085	1

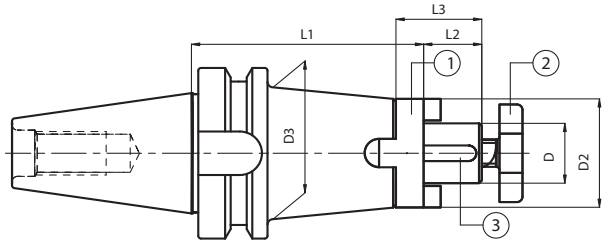
COMBI-SHELL MILL ADAPTORS

KOMBI - AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI
CONOS PORTAFRESAS COMBINADOS MANDRINS PORTE- FRAISES A DOUBLE USAGE
КОМБИНИРОВАННЫЕ ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ 复合式平面铣刀接头

JIS-B 6339 MAS 403/BT A - DIN 6358



	CODE N.	DESCRIPTION	ISO	D	L1	L2	L3	D2	G6,3 8000 RPM
STANDARD	216-11527	BT30H50D16C	30	16	50	17	27	32	•
	216-11528	BT30H50D22C	30	22	50	19	31	40	•
	216-11529	BT30H55D27C	30	27	55	21	33	48	•
	216-11501	BT40H55D16C	40	16	55	17	27	32	•
	216-11502	BT40H55D22C	40	22	55	19	31	40	•
	216-11503	BT40H55D27C	40	27	55	21	33	48	•
	216-11504	BT40H60D32C	40	32	60	24	38	58	•
	216-11505	BT40H60D40C	40	40	60	27	41	70	•
	216-11507	BT50H70D16C	50	16	70	17	27	32	•
	216-11508	BT50H70D22C	50	22	70	19	31	40	•
	216-11509	BT50H70D27C	50	27	70	21	33	48	•
	216-11510	BT50H70D32C	50	32	70	24	38	58	•



	CODE N.	DESCRIPTION	ISO	D	L1	L2	L3	D2	D3	G6,3 8000 RPM
H100	216-11536	BT30H100D16C	30	16	100	17	27	32	-	•
	216-11537	BT30H100D22C	30	22	100	19	31	40	-	•
	216-11517	BT40H100D16C	40	16	100	17	27	32	44	•
	216-11518	BT40H100D22C	40	22	100	19	31	40	-	•
	216-11519	BT40H100D27C	40	27	100	21	33	48	-	•
	216-11520	BT40H100D32C	40	32	100	24	38	58	-	•
	216-11523	BT50H100D22C	50	22	100	19	31	40	50	•
	216-11524	BT50H100D27C	50	27	100	21	33	48	60	•
	216-11525	BT50H100D32C	50	32	100	24	38	58	-	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto Pièces détachées • Запасные части • 零件

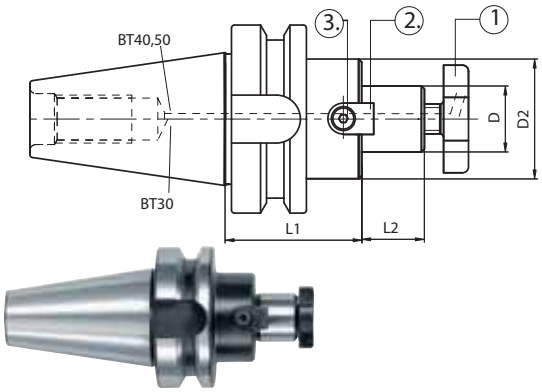
D	RING	CROSS SCREW	KEY	WRENCH
	❶	❷	❸	
16	814-30001	811-107003	814-201010	816-130002
22	814-30002	811-107004	814-201020	816-130003
27	814-30003	811-107005	814-201030	816-130004
32	814-30004	811-107006	814-201040	816-130005
40	814-30005	811-107007	814-201050	816-130006

FACE MILL HOLDERS-TENONS DRIVE WITH BIGGER FLANGE DIAMETER

AUFSTECKFRÄSDORNE FUR FRÄSER MIT QUERNUT MIT GRÖBEREM BUND
CONOS PORTAFRESAS CON LA VALONA INCREMENTADA
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА

MANDRINI PORTAFRESE A TRASCINAMENTO FISSO CON FLANGIA MAGGIORATA
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS BRIDE AJOUTEE
平面铣刀柄 – 凸榫驱动带有更大的法兰直径

JIS-B 6339 MAS 403/BT AD - ISO 3937

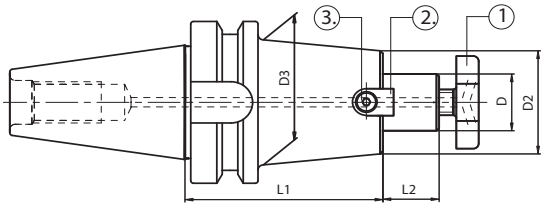


	CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G6,3 8000 RPM
STANDARD	216-71501	BT30H35D16F	30	16	35	17	38	•
	216-71502	BT30H40D22F	30	22	40	19	48	•
	216-71503	BT30H40D27F	30	27	40	21	58	•
	216-71507	BT40H45D16F	40	16	45	17	38	•
	216-71508	BT40H45D22F	40	22	45	19	48	•
	216-71509	BT40H45D27F	40	27	45	21	58	•
	216-71510	BT40H50D32F	40	32	50	24	78	•
	* 216-71511	BT40H55D40F	40	40	55	27	88	•
	216-71517	BT50H60D16F	50	16	60	17	38	•
	216-71518	BT50H60D22F	50	22	60	19	48	•
	216-71519	BT50H60D27F	50	27	60	21	58	•
	216-71520	BT50H60D32F	50	32	60	24	78	•
	* 216-71521	BT50H60D40F	50	40	60	27	88	•

* For drilled version, please see on page 123
* Per versione forata vedi pag 123
* Para la versión perforada mire pág. 123
* Zur gebohrten Ausführung, siehen Sie bitte Seite 123
* Pour le modèle percé voir à la page 123
* Оправки для фланцевого крепления фрез на стр. 123

Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

D	CROSS SCREW ❶	CROSS SCREW ON ENQUIRY ❶	TENON ❷	SCREW ❸	WRENCH
16	811-107003	811-107013	814-202280	811-101004	816-130002
22	811-107004	811-107014	814-202250	811-101011	816-130003
27	811-107005	811-107015	814-202270	811-101018	816-130004
32	811-107006	811-107016	814-202630	811-101029	816-130005
40	811-107007	811-107017	814-202710	811-101029	816-130006



	CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	D3		G6,3 8000 RPM
H 100	216-71522	BT40H100D16F	40	16	100	17	39	-	-	•
	216-71526	BT40H100D22F	40	22	100	19	46	48	A	•
	216-71530	BT40H100D22F	40	22	100	19	50	59	B	•
	216-71599	BT40H100D27F	40	27	100	21	55	-	C	•
	266-71501	BT40H100D32F	40	32	100	24	66	-	-	•
	266-71502	BT40H100D40F	40	40	100	27	70	-	-	•
	216-71589	BT50H100D16F	50	16	100	17	39	-	-	•
	216-71534	BT50H100D22F	50	22	100	19	46	49	A	•
	216-71539	BT50H100D22F	50	22	100	19	50	60	B	•
	216-71544	BT50H100D27F	50	27	100	21	55	78	C	•
	216-71590	BT50H100D32F	50	32	100	24	66	78	-	•
	266-71503	BT50H100D40F	50	40	100	27	70	78	-	•
H 160	216-71523	BT40H160D16F	40	16	160	17	39	-	-	•
	216-71527	BT40H160D22F	40	22	160	19	46	48	A	•
	216-71531	BT40H160D22F	40	22	160	19	50	59	B	•
	216-71591	BT50H160D16F	50	16	160	17	39	-	-	•
	216-71535	BT50H160D22F	50	22	160	19	46	49	A	•
	216-71540	BT50H160D22F	50	22	160	19	50	60	B	•
	216-71545	BT50H160D27F	50	27	160	21	55	78	C	•
	216-71592	BT50H160D32F	50	32	160	24	66	78	-	•
H 200	216-71524	BT40H200D16F	40	16	200	17	39	-	-	•
	216-71528	BT40H200D22F	40	22	200	19	46	48	A	•
	216-71593	BT50H200D16F	50	16	200	17	39	-	-	•
	216-71536	BT50H200D22F	50	22	200	19	46	49	A	•
	216-71541	BT50H200D22F	50	22	200	19	50	60	B	•
	216-71546	BT50H200D27F	50	27	200	21	55	78	C	•
	216-71594	BT50H200D32F	50	32	200	24	66	78	-	•

D	TENON ❷
16	814-202280
22/46	814-202250
22/50	814-202260
27	814-202270
32	814-202290
40	814-202180

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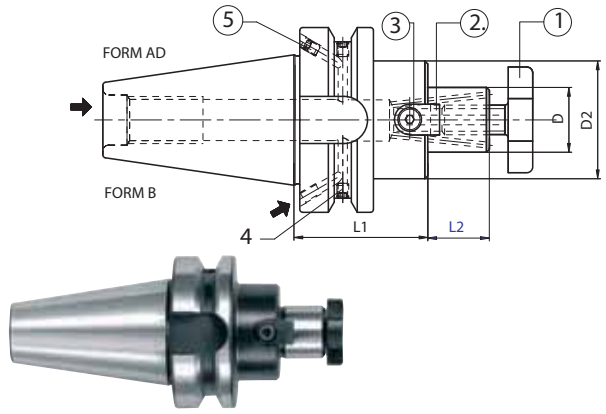
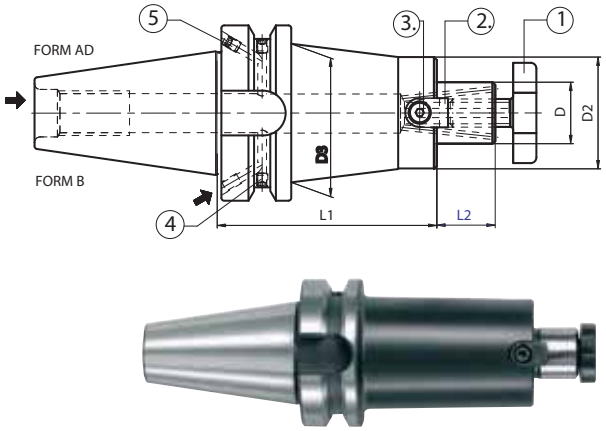
A/Suitable for milling cutters D50 - B/Suitable for milling cutters D63 - C/Suitable for milling cutters D80
A/Adatti per frese D50 - B/Adatti per frese D63 - C/Adatti per frese D80
A/Aptos para fresas D50 – B/Aptos para fresas D63 – C/Aptos para fresas D80
A/Für Fräser D50 - B/Für Fräser D63 - C/Für Fräser D80
A/Adaptes pour fraises D50 - B/Adaptes pour fraises D63 - C/Adaptes pour fraises D80
A/подходит для фрез D50 - B/подходит для фрез D63 - C/подходит для фрез D80
A/适用于 D50 铣刀 - B/适用于 D63 铣刀 - C/适用于 D80 铣刀

FACE MILL HOLDERS-TENONS DRIVE WITH INTERNAL COOLANT SUPPLY WITH BIGGER FLANGE DIAMETER

AUFSTECKFRÄSDORNE FUR FRÄSER MIT QUERNUT UND KÜHLMITTELZUFUHR MIT GRÖBEREM BUND
CONOS PORTAFRESAS CON REFRIGERACION INTERNA
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ И УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА
MANDRINI PORTAFRESE A TRASCINAMENTO FISSO CON PASSAGGIO REFRIGERANTE CON FLANGIA MAGGIORATA
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS AVEC ARROSAGE INTERNE BRIDE AJOUTEE
平面铣刀柄－凸榫驱动配备内部冷却剂供应带更大法兰直径

JIS-B 6339 MAS 403/BT AD/B - ISO 3937





CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	G6,3 8000 RPM
216-71401	BT40H45D16F AD+B	40	16	45	17	38	●
216-71402	BT40H45D22F AD+B	40	22	45	19	48	●
216-71403	BT40H45D27F AD+B	40	27	45	21	58	●
216-71404	BT40H50D32F AD+B	40	32	50	24	78	●
216-71405	BT40H55D40F AD+B	40	40	55	27	88	●
216-71406	BT50H60D16F AD+B	50	16	60	17	38	●
216-71407	BT50H60D22F AD+B	50	22	60	19	48	●
216-71408	BT50H60D27F AD+B	50	27	60	21	58	●
216-71409	BT50H60D32F AD+B	50	32	60	24	78	●
216-71410	BT50H60D40F AD+B	50	40	60	27	88	●

CODE N.	DESCRIPTION	ISO	D	L1	L2	D2	D3	G6,3 8000 RPM
216-71411	BT40H100D16F AD+B	40	16	100	17	32	40	●
216-71412	BT40H100D22F AD+B	40	22	100	19	40	48	●
216-71413	BT40H100D27F AD+B	40	27	100	21	48	-	●
216-71414	BT40H100D32F AD+B	40	32	100	24	58	-	●
216-71425	BT40H100D40F AD+B	40	40	100	27	70	-	●
216-71428	BT40H130D16F AD+B	40	16	130	17	39	-	●
216-71429	BT40H130D22F AD+B	40	22	130	19	46	48	●
216-71430	BT40H130D27F AD+B	40	27	130	21	55	-	●
216-71431	BT40H130D32F AD+B	40	32	130	24	66	60	●
216-71451	BT40H130D40F AD+B	40	40	130	27	88	60	●
216-71437	BT40H160D16F AD+B	40	16	160	17	31	-	●
216-71438	BT40H160D22F AD+B	40	22	160	19	46	48	●
216-71452	BT40H160D27F AD+B	40	27	160	21	55	-	●
216-71453	BT40H160D32F AD+B	40	32	160	24	66	55	●
216-71454	BT40H160D40F AD+B	40	40	160	27	88	60	●
216-71444	BT40H200D16F AD+B	40	16	200	17	39	-	●
216-71445	BT40H200D22F AD+B	40	22	200	19	46	68	●
216-71455	BT40H200D27F AD+B	40	27	200	21	55	-	●
216-71456	BT40H200D32F AD+B	40	32	200	24	66	60	●
216-71457	BT40H200D40F AD+B	40	40	200	27	88	60	●
216-71415	BT50H100D16F AD+B	50	16	100	17	32	40	●
216-71416	BT50H100D22F AD+B	50	22	100	19	40	52	●
216-71417	BT50H100D27F AD+B	50	27	100	21	48	55	●
216-71418	BT50H100D32F AD+B	50	32	100	24	58	65	●
216-71419	BT50H100D40F AD+B	50	40	100	27	70	-	●
216-71432	BT50H130D16F AD+B	50	16	130	17	39	-	●
216-71433	BT50H130D22F AD+B	50	22	130	19	46	56	●
216-71434	BT50H130D27F AD+B	50	27	130	21	55	78	●
216-71435	BT50H130D32F AD+B	50	32	130	24	66	78	●
216-71436	BT50H130D40F AD+B	50	40	130	27	70	-	●
216-71439	BT50H160D16F AD+B	50	16	160	17	39	-	●
216-71440	BT50H160D22F AD+B	50	22	160	19	46	49	●
216-71441	BT50H160D27F AD+B	50	27	160	21	55	78	●
216-71442	BT50H160D32F AD+B	50	32	160	24	66	78	●
216-71443	BT50H160D40F AD+B	50	40	160	27	70	78	●
216-71446	BT50H200D16F AD+B	50	16	200	17	39	-	●
216-71447	BT50H200D22F AD+B	50	22	200	19	46	49	●
216-71448	BT50H200D27F AD+B	50	27	200	21	55	78	●
216-71449	BT50H200D32F AD+B	50	32	200	24	66	78	●
216-71450	BT50H200D40F AD+B	50	40	200	27	70	78	●

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	CROSS SCREW	WRENCH
	❶	
16	811-107003	816-130002
22	811-107004	816-130003
27	811-107005	816-130004
32	811-107006	816-130005
40	811-107007	816-130006

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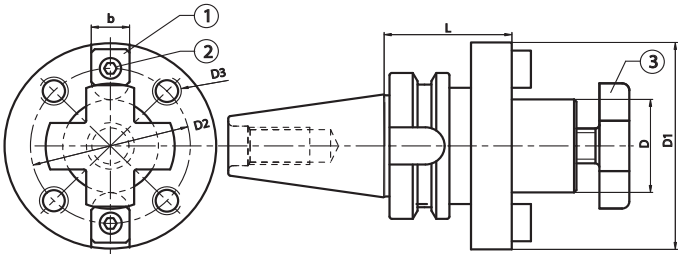
FACE MILL HOLDER FOR FACE MILLING CUTTERS

AUFSTECKFRÄSERDORNE FÜR MESSERKÖPFE
CONOS PORTAFRESAS SIN MANGO
ОПРАВКИ ДЛЯ ФЛАНЦЕВОГО КРЕПЛЕНИЯ ФРЕЗ
MANDRINI PORTAFRESE PER FRESE A SPIANARE
MANDRINS PORTE-FRAISE POUR FRAISES A SURFACER
平面铣刀柄-夹持端铣刀

JIS-B 6339 MAS 403/BT A - DIN 6357



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	TENON	SCREW	CROSS SCR.	WRENCH
	❶	❷	❸	
40	814-202080	811-101028	811-107007	816-130006
60	814-202120	811-101063	-	-

CODE N.	DESCRIPTION	ISO	D	L	D1	D2	D3	b	G6,3 8000 RPM
*216-21502	BT50H70D40	50	40	70	89	66.7	M12	15.9	●
216-21503	BT50H80D60	50	60	80	129	101.6	M16	25.4	●

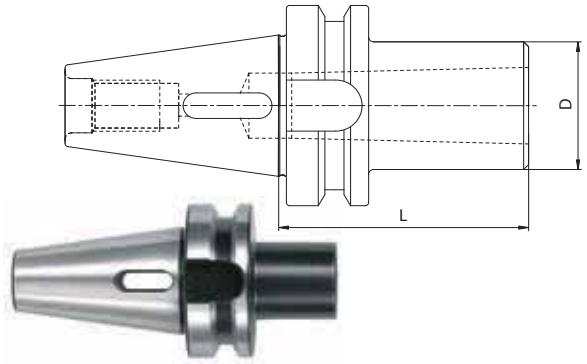
* SUPPLIED WITH INTERNAL SCREW
FORNITO CON VITE CENTRALE INCLUSA
INKLUSIVE INNENSCHARUBE
A DX – SE SUMINISTRA CON EL TORNILLO CENTRAL INCLUIDO

* VIS INTERNE INCLUSE
ПОСТАВЛЯЕТСЯ С ВНУТРЕННИМ ВИНТОМ
供货时提供内部螺丝

MORSE TAPER ADAPTORS FOR DRILLS

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN
ADAPTADOR A CONO MORSE CON ARRASTRE
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С ЛАПКОЙ
MANDRINI PORTAPUNTE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE A TENON
莫氏锥度钻接头

JIS-B 6339 MAS 403/BT A - DIN 228-2 FORM D



CODE N.	DESCRIPTION	ISO	MORSE	D	L	G6,3 8000 RPM
212-41513	BT30H60CM2P	30	2	32	60	●
212-41518	BT30H79CM3P	30	3	40	79	●
212-41501	BT40H50CM1P	40	1	25	50	●
212-41502	BT40H50CM2P	40	2	32	50	●
212-41503	BT40H70CM3P	40	3	40	70	●
212-41504	BT40H95CM4P	40	4	48	95	●
212-41519	BT50H45CM1P	50	1	25	45	●
212-41505	BT50H60CM2P	50	2	32	60	●
212-41506	BT50H65CM3P	50	3	40	65	●
212-41507	BT50H70CM4P	50	4	48	70	●
212-41508	BT50H105CM5P	50	5	63	105	●

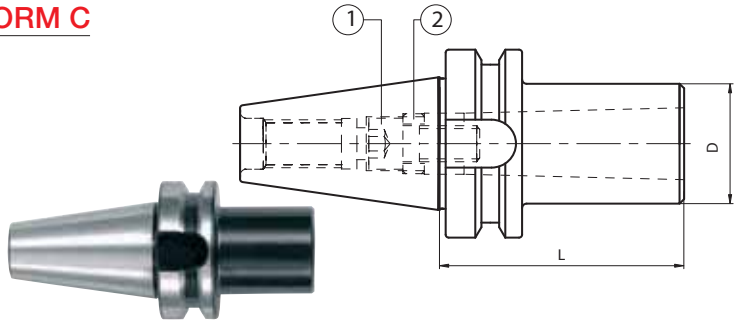
MORSE TAPER ADAPTER WITH THREAD

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT ANZUGSGEWINDE
ADAPTADOR A CONO MORSE CON ROSCA
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С РЕЗЬБОЙ
MANDRINI PORTAFRESE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE AVEC TARAUDAGE
螺纹莫氏锥度接头

JIS-B 6339 MAS 403/BT AD - DIN 228-2 FORM C

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

BT MORSE	SCREW (BTA)	ON ENQUIRY	RING
	❶	❶	❷
40/1	811-101029	-	811-302030
40/2	811-111007	811-111038	811-302031
40/3	811-111008	811-401098	811-302032
40/4	811-111005	811-401083	811-302036
50/1	811-101031	-	811-302030
50/2	811-101054	811-401084	811-302032
50/3	811-101065	811-401085	811-302032
50/4	811-401037	811-401086	811-302036
50/5	811-101092	811-401087	811-302034

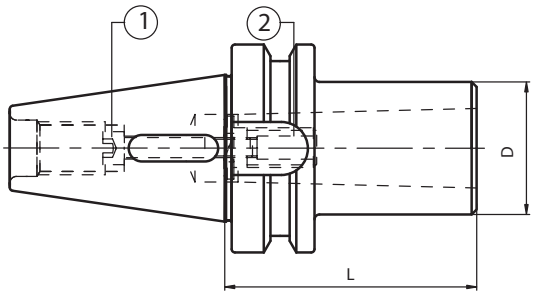


CODE N.	DESCRIPTION	ISO	MORSE	D	L	G6,3 8000 RPM
212-21502	BT40H50CM2F	40	2	32	50	●
212-21503	BT40H70CM3F	40	3	40	70	●
212-21504	BT40H95CM4F	40	4	48	95	●
212-21506	BT50H65CM3F	50	3	40	65	●
212-21507	BT50H90CM4F	50	4	48	90	●

MORSE TAPER ADAPTORS FOR DRILLS AND MILLS

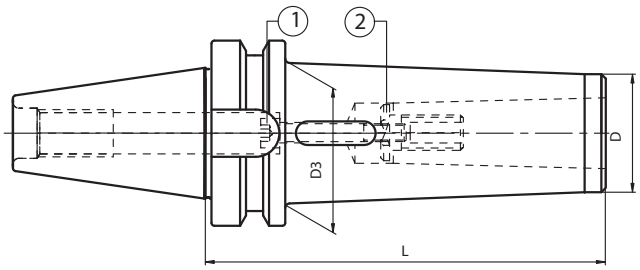
ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN ODER ANZUGSGEWINDE
ADAPTADOR A CONO MORSE VERSION COMBINADA
ОПРАВКИ ДЛЯ КОНУСОВ МОРЗЕ С ЛАПКОЙ И С РЕЗЬБОЙ
MANDRINI PORTAPUNTE-PORTAFRESE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE A TENON ET AVEC TARAUDAGE
莫氏锥度钻铣接头

JIS-B 6339 MAS 403/BT AD - DIN 228-2 FORM C/D



KOMBI VERSION

	CODE N.	DESCRIPTION	ISO	MORSE	D	L	G6,3 8000 RPM
STANDARD	212-61518	BT40H50CM1P/F	40	1	25	50	•
	212-61519	BT40H60CM2P/F	40	2	32	60	•
	212-61520	BT40H76CM3P/F	40	3	40	76	•
	212-61522	BT50H45CM1P/F	50	1	25	45	•
	212-61523	BT50H60CM2P/F	50	2	32	60	•
	212-61524	BT50H65CM3P/F	50	3	40	65	•
	212-61525	BT50H95CM4P/F	50	4	48	95	•
	212-61526	BT50H120CM5P/F	50	5	63	120	•



KOMBI VERSION

	CODE N.	DESCRIPTION	ISO	MORSE	D	D3	L	G6,3 8000 RPM
EXTENDED	212-61502	BT40H125CM2P/F	40	2	25	32	125	•
	212-61503	BT40H140CM3P/F	40	3	33	40	140	•
	212-61505	BT50H120CM1P/F	50	1	18	25	120	•
	212-61506	BT50H140CM2P/F	50	2	25	32	140	•
	212-61507	BT50H150CM3P/F	50	3	33	40	150	•
	212-61508	BT50H180CM4P/F	50	4	40	48	180	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

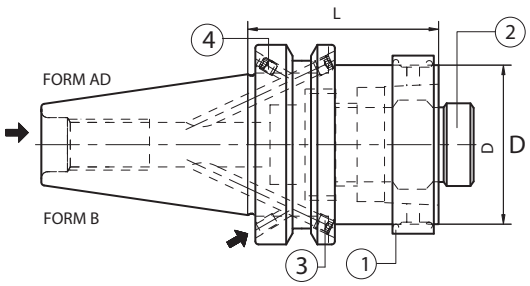
	CODE N.	SCREW ❶	SCREW ❷	RING
STANDARD	212-61518	811-101033		-
	212-61519	811-401018		-
	212-61520	811-101034		811-302006
	212-61523	811-101057		-
	212-61524	811-101071		-
	212-61525	811-401016		-
	212-61526	811-101071		811-302008

	CODE N.	SCREW ❶	SCREW ❷	RING
EXTENDED	212-61502	811-401015		-
	212-61503	811-101081		811-302006
	212-61505	811-101077		-
	212-61506	811-101078		-
	212-61507	811-101079		-
	212-61508	811-401030		-

TAPER ADAPTER SA X HSK A+C - MANUAL CLAMPING

ZWISCHENHÜLSEN SK X HSK A+C - MANUELLES SPANNSYSTEM
CONOS ADAPTADORES DE SK A HSK A+C – CIERRE MANUAL
ПЕРЕХОДНЫЕ ОПРАВКИ SK - HSK A+C - РУЧНАЯ УСТАНОВКА
MANDRINI RIDUZIONE DA TC A HSK A+C - CHIUSURA MANUALE
DOUILLES INTERMEDIAIRES SA X HSK A+C - SERRAGE MANUEL
SA X HSK A+C 锥度接头 - 手动夹紧

JIS-B 6339 MAS 403/BT AD/B



CODE N.	DESCRIPTION	ISO	HSK	D	L	RING ❶ (complete)	LOCKING UNIT ❷ (complete)
212-91402	BT40H80HSK63	40	63	63	80	H63A-AN	H63A-UBL
212-91404	BT50H70HSK63	50	63	63	70	H63A-AN	H63A-UBL

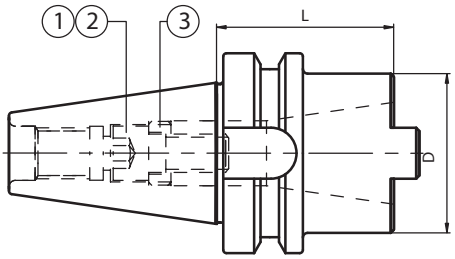
Spare parts • Componenti • Ersatzteile • Piezas de repuesto Pièces détachées • Запасные части • 零件

TAPE	SCREW ❸	QUANTITY	SCREW ❹	QUANTITY
ISO 40	811-102002 M4X5	2	811-102002 M4X5	2
ISO 50	811-102010 M5X6	2	811-102010 M5X6	2

ISO TAPER ADAPTORS

ZWISCHENHÜLSEN SK X SK
CONOS ADAPTADORES
DE DIN69871 EN DIN2080/DIN69871/MAS403BT
ПЕРЕХОДНЫЕ ОПРАВКИ SK –SK
MANDRINI RIDUZIONE E PROLUNGHE
DA DIN69871 A DIN2080/DIN69871/MAS403BT
DOUILLES INTERMEDIAIRES TC X SA
ISO 锥度接头

JIS-B 6339 MAS 403/BT AD/B - MAS403BT-AD



CODE N.	DESCRIPTION	ISO	ISO	D	L	G6,3 8000 RPM
212-11508	BT40H100ISO40/TC40	40	40	68	100	•
212-11507	BT50H70ISO40/TC40	50	40	78	70	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

OUTSIDE	INSIDE	SCREW (ISO) ❶	SCREW (TC) ❷	RING ❸	WRENCH
40	30	811-401098	811-401145	811-302032	816-20206002
40	40	811-401147	811-401150	811-302036	816-20207002
50	40	811-401147	811-401150	811-302036	816-20207002
50	50	811-401151	811-401152	811-302047	816-202090

Supplied with a bored screw
DIN69871/MAS BT/DIN2080

In dotazione vite per chiusura
DIN69871/MAS BT/DIN2080 forata

Se suministra con el tornillo de apriete
DIN69871/MAS-BT/DIN2080

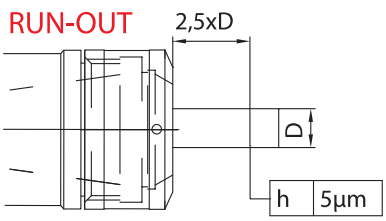
Verschlußschraube für
DIN69871/MAS BT/DIN2080
wird mitgeliefert und ist durchbohrt

Livré avec une vis de serrage
DIN69871/MAS BT/DIN2080 percée

Поставляется с винтом с отверстием для
DIN69871/MAS BT/DIN2080

提供 DIN69871/MAS BT/DIN2080
无铆螺钉一个

GREAT ACCURACY - HIGH PRECISION LINE



- **RUN OUT 5 MICRON at 2,5 times the diameter achieved only by using HP ER collets.**
  The High level of accuracy is achieved either on the NOMINAL DIAMETER or by clamping the tool whose diameter is maximum 0,5 mm smaller than the nominal diameter.
- 20% higher clamping force (compared to standard ER collet chuck system).

- **RUN OUT 5 MICRON a 2,5 il diametro garantito esclusivamente tramite pinze ER PRECISE.**
  L'elevata precisione si ottiene o sul DIAMETRO NOMINALE o chiudendo l'utensile con diametro al massimo di 0,5mm inferiore al diametro nominale.
- Forza di serraggio maggiore del 20% (rispetto a portapinza ER standard).

- **5 MICRON RUNDLAUFGENAUIGKEIT bei 2,5 Mal des Durchmessers nur durch Verwendung von HP-ER Spannzangen erreicht.**
  Das Erreichen der hohen Genauigkeit erfolgt entweder am NENNDURCHMESSER oder durch das Spannen des Werkzeuges, wessen Durchmesser maximal 0,5 mm kleiner als der Nenndurchmesser ist.
- 20% höhere Spannkraft (im Vergleich zum Standard ER Spannzagenfuttersystem)

- **CONCENTRICIDAD DE 5 MICRAS en una longitud de voladizo de la herramienta de hasta 2,5 veces el diámetro de la misma.**
  La alta precisión se obtiene tanto en el DIAMETRO NOMINAL como en la sujeción de la herramienta. Máximo rango de apriete 0.5mm por debajo del diámetro nominal.
- 20% mayor fuerza de apriete en comparación con un portapinzas ER estándar.

- **COAXIALITE 5 MICRON à 2,5 fois le diamètre obtenu uniquement en utilisant des pinces ER PRECISE.**
  Le haut niveau de précision est obtenu soit sur le NOMINAL DIAMETER soit en serrant l'outil dont le diamètre est au maximum 0,5 mm inférieur au diamètre nominal.
- Force de serrage 20% supérieur si comparée au system de porte-pince standard

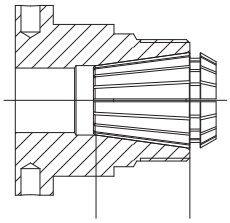
- **RUN OUT с 5 до 2,5 MICRON достигается только при использовании цанг PRECISION ER .**
  Высокий уровень точности достигается либо при зажиме НОМИНАЛЬНОГО ДИАМЕТРА, либо путем зажима инструмата, диаметр которого не должен превышать 0,5мм номинального диаметра.
- Сила зажима на 20% выше по сравнению со стандартнымы цанговымы патронами

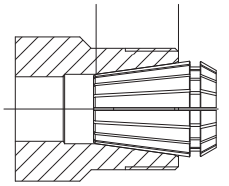
- 使用HP的弹簧筒夹，在2.5倍径的地方刀柄跳⌧达到5u。
  所夹持的刀具需满足标称直径或比标称直径小0.5mm以内才能达到这个精度。

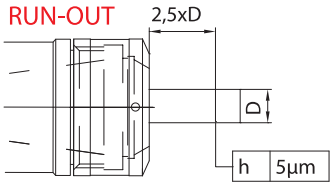
ER COLLET CHUCK

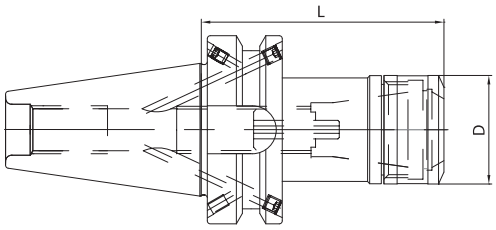
SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

MAS BT AD+B - DIN 6499









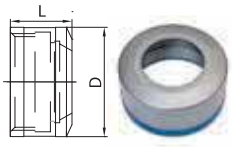
	CODE N.	DESCRIPTION	ISO	L	D	ER	G2,5 30000
ISO 30	214-91473	BT30H70ER16-HP*	30	70	30	16	•
	214-91474	BT30H70ER25-HP*	30	70	40	25	•
	214-91475	BT30H70ER32-HP*	30	70	50	32	•
ISO 40	214-91462	BT40H70ER16-HP	40	70	30	16	•
	214-91463	BT40H70ER25-HP	40	70	40	25	•
	214-91464	BT40H70ER32-HP	40	70	50	32	•
ISO 50	214-91465	BT50H80ER16-HP	50	80	30	16	•
	214-91476	BT50H80ER25-HP	50	80	40	25	•
	214-91466	BT50H80ER32-HP	50	80	50	32	•
ISO 40	214-91467	BT40H100ER16-HP	40	100	30	16	•
	214-91469	BT40H100ER25-HP	40	100	40	25	•
	214-91470	BT40H100ER32-HP	40	100	50	32	•
ISO 50	214-91471	BT50H100ER16-HP	50	100	30	16	•
	214-91477	BT50H100ER25-HP	50	100	40	25	•
	214-91472	BT50H100ER32-HP	50	100	50	32	•

* Predisposti per pinze **ER/ERHP/ERC**

* Suitable for **ER/ERHP/ERC** collets

* BT30 only AD version
* BT30 solo versione AD
* BT30 solo versión AD
* BT30 nur AD Ausführung
* BT30 seulement Version AD
* BT30 только с AD исполнением
* BT30 只在 AD 版本下

CODE N.	D	L	ER
812-203085	30	19,5	16
812-203086	40	22	25
812-203087	50	25	32



CODE N.	D	D1	ER
816-203069	30	3	16
816-203070	40	4	25
816-203071	50	4	32

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COLLET CHUCK KITS

SPANNFUTTERSATZ | KIT PORTAPINZE
SET PORTAPINZAS | JEUX PORTE-PINCES
НАБОРЫ ОПРАВОК С ЦАНГАМИ | 夹头变径套组套

Kit Box: 1 Collet chuck + 10 Collets
Cassetta Corredo: 1 Portapinze + 10 pinze
Contenido del set: 1 Cono portapinzas + 10 pinzas
Ausstattungskasten: 1 Spannzangenfutter + 10 Spannzangen

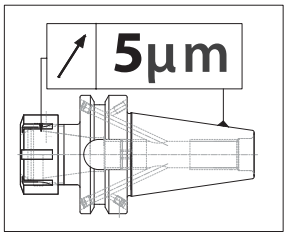
Boite d'équipement: 1 Porte-pince + 10 pinces
Набор: из цангового патрона и цанг
套装: 1个弹簧夹头刀柄+ 10个夹头

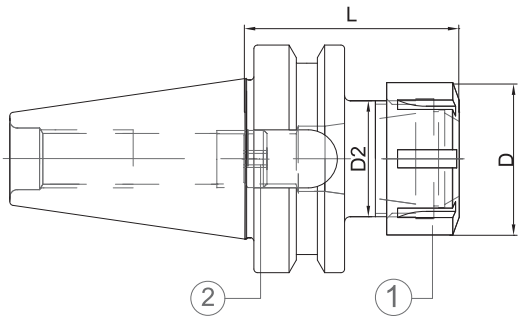
CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
KIT TC40 ER16 HP	N°1 TC40 H70 ER16 HP + N°10 COLLETS ER16 HP
KIT TC40 ER25 HP	N°1 TC40 H70 ER25 HP + N°10 COLLETS ER25 HP
KIT TC40 ER32 HP	N°1 TC40 H70 ER32 HP + N°10 COLLETS ER32 HP
KIT BT40 ER16 HP	N°1 BT40 H70 ER16 HP + N°10 COLLETS ER16 HP
KIT BT40 ER25 HP	N°1 BT40 H70 ER25 HP + N°10 COLLETS ER25 HP
KIT BT40 ER32 HP	N°1 BT40 H70 ER32 HP + N°10 COLLETS ER32 HP
KIT HSK63 ER16 HP	N°1 HSK63 AH75 ER16 HP + N°10 COLLETS ER16 HP
KIT HSK63 ER25 HP	N°1 HSK63 AH75 ER25 HP + N°10 COLLETS ER25 HP
KIT HSK63 ER32 HP	N°1 HSK63 AH75 ER32 HP + N°10 COLLETS ER32 HP

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER ER 弹簧夹头

JIS-B 6339 MAS 403/BT AD - DIN6499/ISO15488





	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G2,5 30000 RPM
STANDARD	214-91458	BT30H60ER16	30	16	32	22	60	•
	214-91459	BT30H60ER20	30	20	35	25	60	•
	214-91460	BT30H60ER25	30	25	42	32	60	•
	214-91461	BT30H60ER32	30	32	50	40	60	•
	214-91401	BT40H70ER16	40	16	32	22	70	•
	214-91402	BT40H70ER25	40	25	42	32	70	•
	214-91403	BT40H70ER32	40	32	50	40	70	•
	214-91406	BT50H80ER32	50	32	50	40	80	•

HIGH BALANCED

	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G2,5 30000 RPM
H 100	214-91408	BT40H100ER16	40	16	32	31.5	100	•
	214-91409	BT40H100ER25	40	25	42	41.5	100	•
	214-91410	BT40H100ER32	40	32	50	49.5	100	•

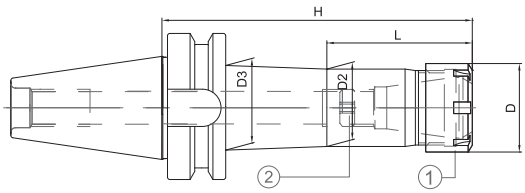
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
16	812-203080	811-303119
20	812-203081	811-303120
25	812-203082	811-303121
32	812-203083	811-303118
40	812-203084	811-303122

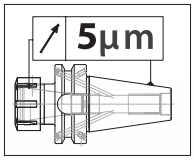
ER MINI COLLET CHUCK

SPANNZANGENFUTTER ER MINI
CONOS PORTAPINZAS TIPO ER MINI
ЦАНГОВЫЕ МИНИ-ПАТРОНЫ ER
MANDRINI PORTAPINZA TIPO ER MINI EXTRA SOTTILI
MANDRINS A PINCES TYPE ER MINI
ER 迷你弹簧夹头

JIS-B 6339 MAS 403/BT AD - DIN6499/ISO15488



SLIM LINE



CODE N.	DESCRIPTION	ISO	ER	D	H	L	D2	D3	G6,3 15000 RPM
214-91448	BT30H70ER11M	30	11M	16	70	20	14	19	•
214-91449	BT30H100ER11M	30	11M	16	100	20	14	20	•
214-91433	BT40H70ER11M	40	11M	16	70	20	14	20	•
214-91434	BT40H100ER11M	40	11M	16	100	40	14	20	•
214-91435	BT40H160ER11M	40	11M	16	160	50	14	27	•
214-91436	BT40H70ER16M	40	16M	22	70	27	20	25	•
214-91437	BT40H100ER16M	40	16M	22	100	47	20	26	•
214-91438	BT40H160ER16M	40	16M	22	160	97	20	26	•
214-91450	BT40H70ER20M	40	20M	28	70	-	26	-	•
214-91451	BT40H100ER20M	40	20M	28	100	48	26	30	•
214-91452	BT40H160ER20M	40	20M	28	160	98	26	31	•
214-91439	BT40H70ER25M	40	25M	35	70	-	33	-	•
214-91440	BT40H100ER25M	40	25M	35	100	-	33	-	•
214-91441	BT40H160ER25M	40	25M	35	160	103	33	33	•
214-91442	BT50H70ER16M	50	16M	22	70	-	22	-	•
214-91443	BT50H100ER16M	50	16M	22	100	47	22	26	•
214-91444	BT50H160ER16M	50	16M	22	160	97	22	28	•
214-91447	BT50H160ER25M	50	25M	35	160	103	35	40	•

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
11M	812-203012	811-303081
16M	812-203013	811-303119
20M	812-203014	811-303120
25M	812-203015	811-303121

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COLLET CHUCK KITS

SPANNFUTTERSATZ
SET PORTAPINZAS
НАБОРЫ ОПРАВОК С ЦАНГАМИ
KIT PORTAPINZE
JEUX PORTE-PINCES
夹头变径套组套

DIN6499/ISO15488

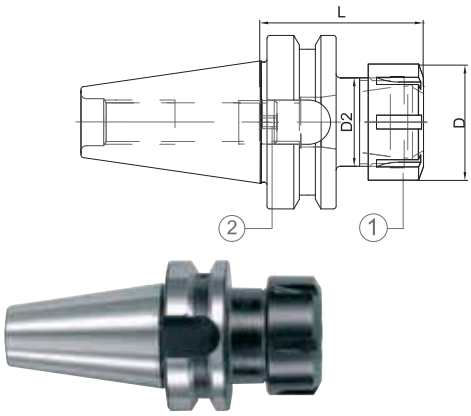
Kit Box: 1 Collet chuck + 10 Collets + Wrench
Cassetta Corredo: 1 Portapinze + 10 pinze + chiave
Contenido del set: 1 Cono portapinzas + 10 pinzas + Llave
Ausstattungskasten: 1 Spannzangenfutter + 10 Spannzangen + Spannschlüssel
Boite d'équipement: 1 Porte-pince + 10 pinces + Clé de serrage
Набор: из цангового патрона и цанг
套装: 1个弹簧夹刀柄 +10个夹头+扳手

	CODE DIN 69871	CODE MAS 403 BT	DESCRIZIONE - DESCRIPTION
ISO 30	KIT TC30ER25	KIT BT30ER25	N°1 portapinze + 10 pinze ER25 + chiave N°1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
	KIT TC30ER32	KIT BT30ER32	N°1 portapinze + 10 pinze ER32 + chiave N°1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
ISO 40	KIT TC40ER25	KIT BT40ER25	N°1 portapinze + 10 pinze ER25 + chiave N°1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
	KIT TC40ER32	KIT BT40ER32	N°1 portapinze + 10 pinze ER32 + chiave N°1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
	KIT TC40ER40	KIT BT40ER40	N°1 portapinze + 10 pinze ER40 + chiave N°1 collet chuck + 10 collets ER40 + wrench (ER40 Ø 5-6-8-10-12-16-20-22-24-26)
ISO 50	KIT TC50ER25	KIT BT50ER25	N°1 portapinze + 10 pinze ER25 + chiave N°1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
	KIT TC50ER32	KIT BT50ER32	N°1 portapinze + 10 pinze ER32 + chiave N°1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
	KIT TC50ER40	KIT BT50ER40	N°1 portapinze + 10 pinze ER40 + chiave N°1 collet chuck + 10 collets ER40 + wrench (ER40 Ø 5-6-8-10-12-16-20-22-24-26)

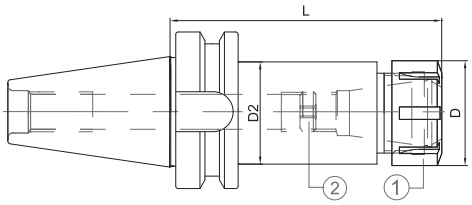
ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP · MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER · MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER · ER 弹簧夹头

JIS-B 6339 MAS 403/BT AD - DIN6499/ISO15488



	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM
STANDARD	214-31511	BT30H60ER16	30	16	32	22	60	•
	214-31585	BT30H60ER20	30	20	35	25	60	•
	214-31512	BT30H60ER25	30	25	42	32	60	•
	214-31525	BT30H60ER32	30	32	50	40	60	•
	214-31539	BT40H70ER16	40	16	32	22	70	•
	214-31555	BT40H70ER20	40	20	35	25	70	•
	214-31501	BT40H70ER25	40	25	42	32	70	•
	214-31502	BT40H70ER32	40	32	50	40	70	•
	214-31515	BT40H70ER40	40	40	63	50	70	•
	214-31584	BT50H70ER16	50	16	32	22	70	•
	214-31586	BT50H80ER20	50	20	35	25	80	•
	214-31549	BT50H80ER25	50	25	42	32	80	•
	214-31503	BT50H80ER32	50	32	50	40	80	•
	214-31504	BT50H80ER40	50	40	63	50	80	•



	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM	G6,3 8000 RPM
H 100	214-31520	BT30H100ER16	30	16	32	31.5	100	•	
	214-31573	BT30H100ER20	30	20	35	34.5	100	•	
	214-31538	BT30H100ER25	30	25	42	40	100	•	
	214-31527	BT40H100ER16	40	16	32	31.5	100	•	
	214-31556	BT40H100ER20	40	20	35	34.5	100	•	
	214-31542	BT40H100ER25	40	25	42	41.5	100	•	
	214-31545	BT40H100ER32	40	32	50	49.5	100	•	
	214-31583	BT40H100ER40	40	40	63	50	100	•	
	214-31450	BT50H100ER16	50	16	32	31.5	100	•	
	214-31476	BT50H100ER20	50	20	35	34.5	100	•	
	214-31438	BT50H100ER25	50	25	42	41.5	100	•	
	214-31434	BT50H100ER32	50	32	50	49.5	100	•	
	214-31436	BT50H100ER40	50	40	63	62.5	100	•	
H 130	214-31477	BT40H130ER16	40	16	32	31.5	130	•	
	214-31478	BT40H130ER20	40	20	35	34.5	130	•	
	214-31479	BT40H130ER25	40	25	42	41.5	130	•	
	214-31480	BT40H130ER32	40	32	50	49.5	130	•	
	214-31481	BT40H130ER40	40	40	63	50	130	•	
H 160	214-31442	BT40H160ER16	40	16	32	31.5	160		•
	214-31432	BT40H160ER25	40	25	42	41.5	160		•
	214-31433	BT40H160ER32	40	32	50	49.5	160		•
	214-31451	BT40H160ER40	40	40	63	50	160		•
	214-31452	BT50H160ER16	50	16	32	31.5	160		•
	214-31453	BT50H160ER25	50	25	42	41.5	160		•
	214-31435	BT50H160ER32	50	32	50	49.5	160		•
	214-31437	BT50H160ER40	50	40	63	62.5	160		•
H 200	214-31454	BT40H200ER16	40	16	32	31.5	200		•
	214-31455	BT40H200ER25	40	25	42	41.5	200		•
	214-31456	BT40H200ER32	40	32	50	49.5	200		•
	214-31457	BT40H200ER40	40	40	63	50	200		•
	214-31458	BT50H200ER16	50	16	32	31.5	200		•
	214-31459	BT50H200ER25	50	25	42	41.5	200		•
	214-31460	BT50H200ER32	50	32	50	49.5	200		•
	214-31461	BT50H200ER40	50	40	63	62.5	200		•

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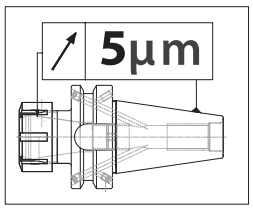


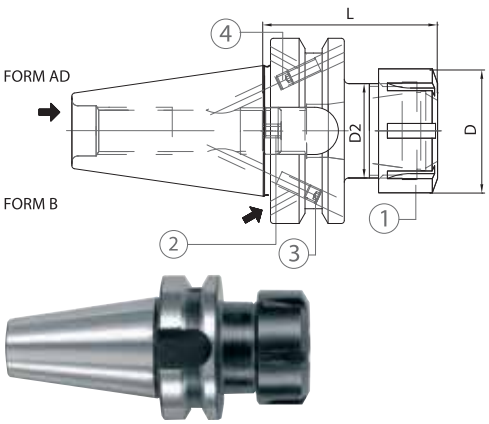
ER	NUT ❶	STOP SCREW ❷
16	812-203005	811-303119
20	812-203006	811-303120
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122

Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP · MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER · MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER · ER 弹簧夹头

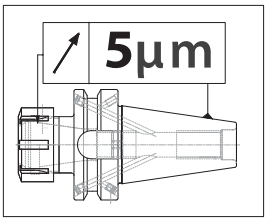
JIS-B 6339 MAS 403/BT AD/B DIN6499/ISO15488



	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM
STANDARD	214-31447	BT40H70ER16 AD+B	40	16	32	22	70	•
	214-31474	BT40H70ER20 AD+B	40	20	35	25	70	•
	214-31422	BT40H70ER25 AD+B	40	25	42	32	70	•
	214-31423	BT40H70ER32 AD+B	40	32	50	40	70	•
	214-31424	BT40H70ER40 AD+B	40	40	63	50	70	•
	214-31469	BT50H80ER16 AD+B	50	16	32	22	80	•
	214-31470	BT50H80ER20 AD+B	50	20	35	25	80	•
	214-31429	BT50H80ER25 AD+B	50	25	42	32	80	•
	214-31430	BT50H80ER32 AD+B	50	32	50	40	80	•
	214-31431	BT50H80ER40 AD+B	50	40	63	50	80	•

	CODE N.	DESCRIPTION	ISO	ER	D	D2	L	G6,3 15000 RPM
H 100	214-31448	BT40H100ER16 AD+B	40	16	32	31.5	100	•
	214-31475	BT40H100ER20 AD+B	40	20	35	34.5	100	•
	214-31439	BT40H100ER25 AD+B	40	25	42	41.5	100	•
	214-31440	BT40H100ER32 AD+B	40	32	50	49.5	100	•
	214-31449	BT40H100ER40 AD+B	40	40	63	50	100	•

VERSION ON ENQUIRY
VERSIONE A RICHIESTA



Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

TAPE	SCREW ❸	QUANT.	SCREW ❹	QUANT.
ISO 40	811-102002 M4X5	2	811-102002 M4X5	2
ISO 50	811-102002 M4X5	2	811-102010 M5X6	2

ER	NUT ❶	STOP SCREW ❷
16	812-203005	811-303119
20	812-203006	811-303120
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122

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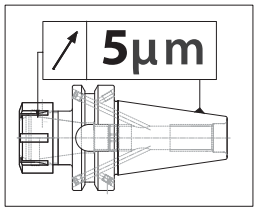
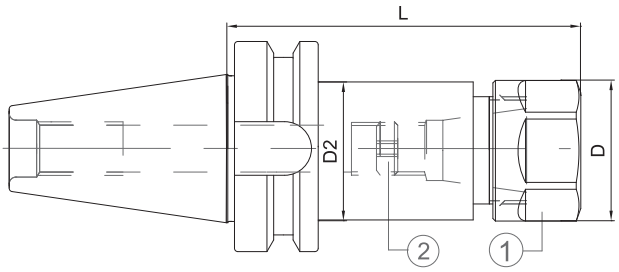
COLLET CHUCKS WITH ER NUT HEXAGONAL TYPE

SPANNZANGENFUTTER MIT ER SECHSKANTMUTTER TYP
CONOS PORTAPINZAS CON TUERCA ER DE TIPO HEXAGONAL
ЦАНГОВЫЕ ПАТРОНЫ ER С ШЕСТИГРАННОЙ ГАЙКОЙ
MANDRINI PORTAPINZA CON GHIERA ER TIPO ESAGONALE
MANDRINS A PINCES AVEC ÉCROU ER TYPE HEXAGONAL
带多边形压帽的ER弹簧夹头

JIS-B 6339 MAS403/BT AD - DIN6499/ISO15488





Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

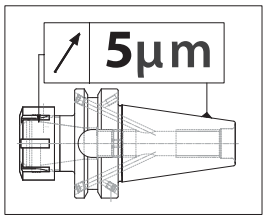
ER	NUT	STOP SCREW
	❶	❷
16	812-203009	811-303119

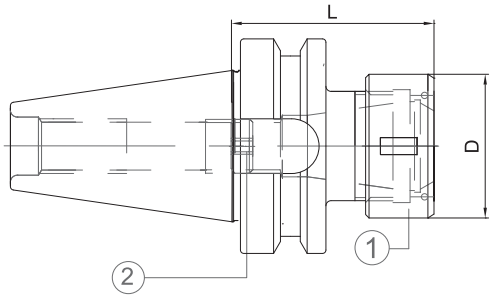
CODE N.	DESCRIPTION	ISO	ER	D	L	D2	G6,3 15000 RPM
214-31511EXA	BT30H60EXA16 AD	30	16	28	60	22	•
214-31520EXA	BT30H100EXA16 AD	30	16	28	100	27.5	•
214-31539EXA	BT40H70EXA16 AD	40	16	28	70	22	•
214-31527EXA	BT40H100EXA16 AD	40	16	28	100	27.5	•
214-31442EXA	BT40H160EXA16 AD	40	16	28	160	27.5	•

ER COLLET CHUCK

SPANNZANGENFUTTER EOC TYP
CONOS PORTAPINZAS TIPO OZ
ЦАНГОВЫЕ ПАТРОНЫ EOC
MANDRINI PORTAPINZA TIPO EOC
MANDRINS A PINCES TYPE EOC
ER 弹簧夹头

JIS-B 6339 MAS 403/BT AD - DIN 6388





CODE N.	DESCRIPTION	ISO	EOC	D	L	G6,3 12000 RPM
214-11402	BT40H70EOC25	40	25	60	70	•
214-11524	BT40H80EOC32	40	32	72	80	•
214-11404	BT50H90EOC32	50	32	72	90	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

EOC	NUT	STOP SCREW	WRENCH
	❶	❷	
16	GOC16	811-303121	816-203033
25	GOC25	811-303123	816-203034
32	GOC32	811-303123	816-203036

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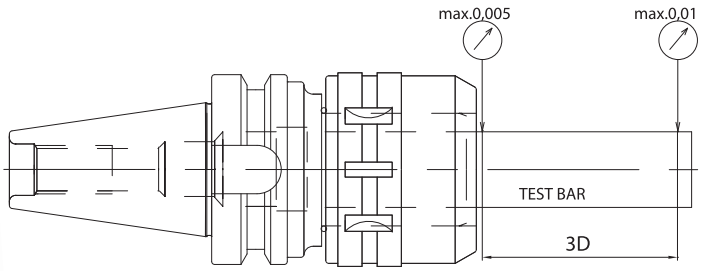
MILLING CHUCK

KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

JIS-B 6339 MAS 403/BT

HIGH-SPEED LINE



CODE N.	DESCRIPTION	ISO	D	D2	L	L1	G6,3 20000 RPM
214-01510	BT40H80C20HS	40	20	54	80	70	•
214-01511	BT40H105C20HS	40	20	54	105	70	•
214-01512	BT40H90C32HS	40	32	74	90	100	•
214-01513	BT50H105C20HS	50	20	54	105	70	•
214-01514	BT50H105C32HS	50	32	74	105	100	•

MILLING CHUCK (I.D)	STANDARD	TOLERANCE (Taper shank)	RUN-OUT	CLAMPING TORQUE
C20	AT3	ISO40 (0~ +0,003)	0,01mm at 3D	980 Nm
C32		ISO50 (0~+0,004)		3430 Nm

MILLING CHUCK KITS

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 铣夹头组套

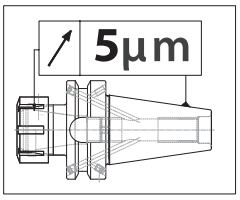
Kit Box: 1 Milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 Mandrino forte serraggio + 1 serie pinze + 1 chiave
Contenido del set: 1 Cono de gran apriete + 1 juego de pinzas + 1 llave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Boîte d'équipement: 1 Mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 Патрон + 1 набор цанг + 1 ключ
组件盒: 1 个铣夹头 + 1 个夹头套装 + 1 个扳手

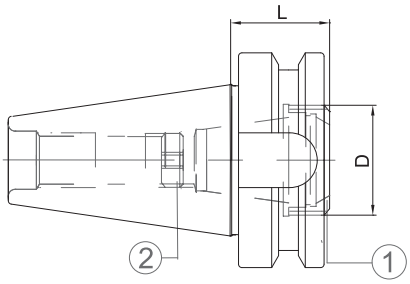
CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
KIT BT40 C20HS	N°1 BT40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT BT40 C32HS	N°1 BT40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
KIT TC40 C20HS	N°1 TC 40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT TC40 C32HS	N°1 TC 40 L100 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
KIT HSK63A C20HS	N°1 BT 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT HSK63A C32HS	N°1 BT 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25

ER COLLET CHUCK WITH INSIDE NUT

SPANNZANGENFUTTER ER TYP-LÄNGE EXTRAKURZ | MANDRINI PORTAPINZA TIPO ER EXTRACORTI
CONOS PORTAPINZAS TIPO ER EXTRA-CORTOS | MANDRINS COURTS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER С ВНУТРЕННЕЙ ГАЙКОЙ | ER 弹簧夹头带内部螺母

JIS-B 6339 MAS 403/BT AD - MAS 403/BT A





CODE N.	DESCRIPTION	ISO	ER	D	L	G6,3 15000 RPM
214-31462	BT40H29ER25A	40	25	32	29	•
214-31571	BT40H29ER32A	40	32	40	29	•
214-31463	BT50H40ER32A	50	32	40	40	•

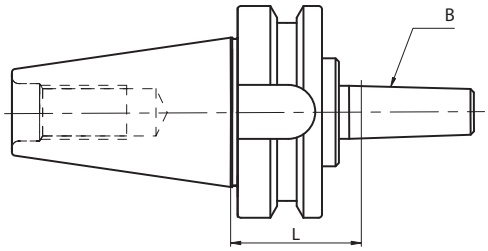
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT	STOP SCREW	WRENCH
	❶	❷	
25A	812-203057	811-303121	CHER25EX
32A	812-203032	811-303118	CHER32EX

ARBORS FOR DRILL CHUCKS

BOHRFUTTERAUFNAHMEN | ATTACCO PER MANDRINI PORTAPUNTE
CONOS PARA PORTABROCAS CON ESPIGA | ARBRES POUR MANDRINS DE PERCAGE
ОПРАВКИ ДЛЯ СВЕРЛИЛЬНЫХ ПАТРОНОВ | 钻夹头刀杆

JIS-B 6339 MAS 403/BT AD - DIN 238

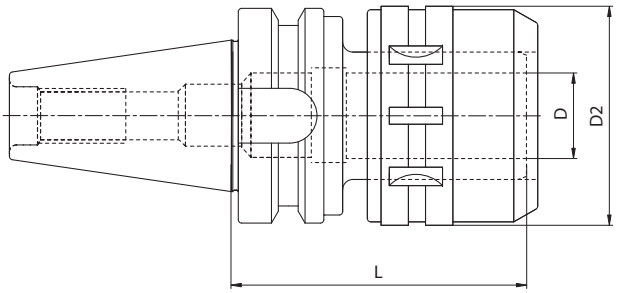


CODE N.	DESCRIPTION	ISO	B	L	G6,3 8000 RPM
216-31502	BT40H40B16	40	16	40	•

MILLING CHUCK

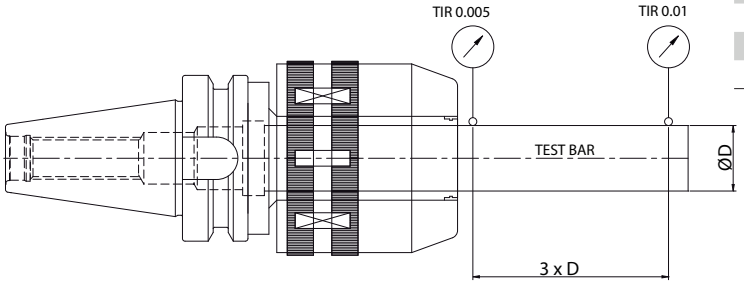
KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

JIS-B 6339 MAS 403/BT AD



SUPPLIED WITH WRENCH • FORNITI CON CHIAVE INCLUSA
SE SUMINISTRA CON LLAVE • INKLUSIVE SPANNSCHLÜSSEL
CLÉ INCLUSE • ПОСТАВЛЯЕТСЯ С КЛЮЧОМ
供货时提供扳手

CODE N.	DESCRIPTION	ISO	D	D2	L	G6,3 12000 RPM
214-01508	BT40H80C20	40	20	54	80	•
214-01501	BT40H105C20	40	20	54	105	•
214-01502	BT40H105C32	40	32	72	105	•
214-01504	BT50H105C20	50	20	54	105	•
214-01505	BT50H105C32	50	32	72	105	•
214-01506	BT50H135C32	50	32	72	135	•



MILLING CHUCK (diameter)	SPECIFICATION (DIN)	TOLERANCE (Taper shank)	RUN-OUT (3xD)	CLAMPING TORQUE
C20	AT3	BT40 (0~+0,003)	0~0,01	980M.m (100 Kgf.m)
C32		BT50 (0~+0,004)		3430M.m (350 Kgf.m)

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MILLING CHUCK KITS

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 铣夹头组套

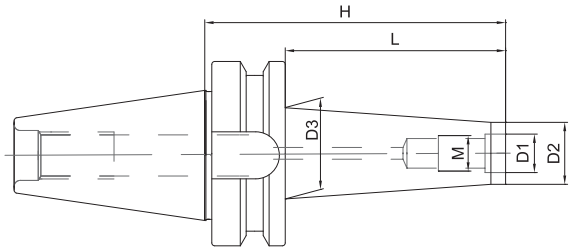
Kit Box: 1 milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino forte serraggio + 1 serie pinze + 1 chiave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Contenido del set: 1 cono de gran apriete + 1 juego de pinzas + 1 llave
Boîte d'équipement: 1 mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 патрон + 1 набор цанг + 1 ключ
组件盒: 1 个铣夹头 + 1 个夹头套装 + 1 个扳手

	CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
ISO 40	KIT BT40 C20	N°1 BT40 L80 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT40 C32	N°1 BT40 L80 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC40 C20	N°1 TC 40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC40 C32	N°1 TC 40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT ISO40 C32	N°1 ISO 40 L83 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
ISO 50	KIT BT50 C20	N°1 BT 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT50 C32	N°1 BT 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC50 C20	N°1 TC 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC50 C32	N°1 TC 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT ISO50 C32	N°1 ISO 50 L85 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25

MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTERS

SPANFUTTER FÜR EINSCHRAUBFRÄSER | MANDRINI PER FRESE CON ATTACCO FILETTATO
CONOS PORTAFRESAS CON EXTREMO ROSCADO | MANDRINS POUR FRAISER A VISSER
ОПРАВКИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК | 螺纹连接型铣刀的铣刀杆

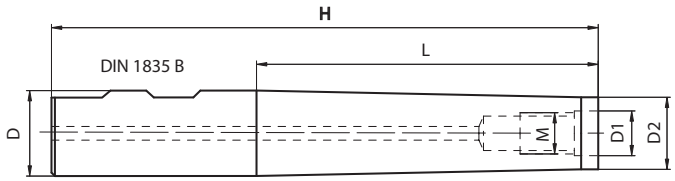
JIS-B 6339 MAS 403/BT AD



CODE N.	DESCRIPTION	ISO	M	D1	D2	D3	H	L	G6,3 12000 RPM
217-81420	BT40H55M8	40	M8	8,5	13	15	55	28	•
217-81402	BT40H102M8	40	M8	8.5	13	23	102	75	•
217-81421	BT40H55M10	40	M10	10,5	18	20	55	28	•
217-81404	BT40H77M10	40	M10	10.5	18	23	77	50	•
217-81406	BT40H127M10	40	M10	10.5	18	30	127	100	•
217-81422	BT40H55M12	40	M12	12,5	21	24	55	28	•
217-81407	BT40H77M12	40	M12	12.5	21	24	77	50	•
217-81408	BT40H102M12	40	M12	12.5	21	31	102	75	•
217-81409	BT40H127M12	40	M12	12.5	21	31	127	100	•
217-81423	BT40H55M16	40	M16	17	29	32	55	28	•
217-81410	BT40H77M16	40	M16	17	29	34	77	50	•
217-81411	BT40H102M16	40	M16	17	29	34	102	75	•
217-81412	BT40H127M16	40	M16	17	29	36	127	100	•
217-81413	BT40H152M16	40	M16	17	29	39	152	125	•
217-81414	BT50H88M12	50	M12	12.5	21	24	88	50	•
217-81417	BT50H88M16	50	M16	17	29	34	88	50	•
217-81418	BT50H138M16	50	M16	17	29	36	138	100	•
217-81419	BT50H188M16	50	M16	17	29	36	188	150	•

EXTENSION FOR SCREW IN TYPE MILLS

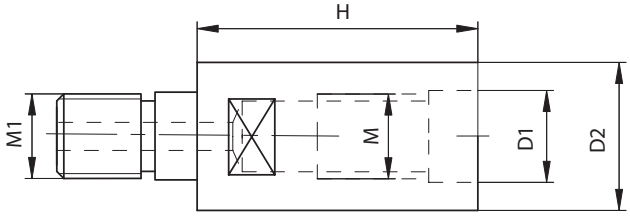
VERLÄNGERUNG FÜR EINSCHRAUBFRÄSER | PROLUNGHE PER FRESE CON ATTACCO FILETTATO
EXTENSIONES PARA FRESAS CON EXTREMO ROSCADO | RALLONGES POUR FRAISES à VISSER
КОРПУСА ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК | 铣刀内部螺丝加长



CODE N.	DESCRIPTION	D	M	D1	D2	H	L
217-85201	D16H115M8	16	M8	8.5	12.8	115	60
217-85202	D16H160M8	16	M8	8.5	12.8	160	100
217-85203	D20H120M10	20	M10	10.5	17.8	120	60
217-85204	D20H160M10	20	M10	10.5	17.8	160	100
217-85205	D25H160M12	25	M12	12.5	20.8	160	100
217-85206	D32H160M16	32	M16	17	28.8	160	100

EXTENSION FOR SCREW IN END MILLS

VERLÄNGERUNG FÜR EINSCHRAUBFRÄSER | PROLUNGHE PER FRESE FILETTATE
EXTENSIONES PARA FRESAS ROSCADAS | RALLONGES POUR FRAISES FILETEE
УДЛИНИТЕЛИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК | 铣刀内部螺丝加长



CODE N.	DESCRIPTION	M	M1	D1	D2	H
217-85709	M8H30M8	M8	M8	8.5	12.8	30
217-85710	M10H35M10	M10	M10	10.5	17.8	35
217-85711	M12H40M12	M12	M12	12.5	20.8	40
217-85712	M16H40M16	M16	M16	17	28.8	40

KINTEK®

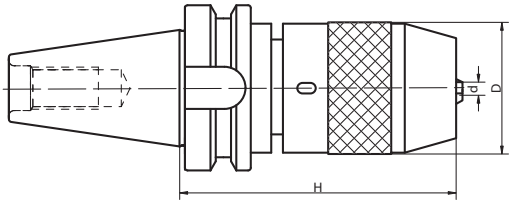
INNOVATIVE TECHNOMECHANICAL COMPONENTS

KINTEK s.r.l.
Via Goretta 88/G - 10079 MAPPANO - (TO) - ITALY
Tel. +39 011 99 68 065 - Fax +39 011 99 65 662
e-mail: info@kintek.it
http://www.kintek.it

UNIVERSAL DRILL CHUCKS

NC-BOHRFUTTER MANDRINI PORTAPUNTE INTEGRALI
CONOS PORTABROCAS UNIVERSALES MANDRINS UNIVERSELS DE PERCAGE
УНИВЕРСАЛЬНЫЕ СВЕРЛИЛЬНЫЕ ПАТРОНЫ 万能钻夹头

JIS-B 6339 MAS 403/BT A



CODE N.	DESCRIPTION	ISO	H	D	CLAMPING CAPACITY	WRENCH
252-11501	BT40H95R1-13	40	95	50	1-13	816-111024
252-11502	BT40H116R3-16	40	116	57	3-16	816-111025
252-11503	BT50H110R1-13	50	110	50	1-13	816-111024
252-11504	BT50H110R3-16	50	110	57	3-16	816-111025

RUNOUT ACCURACY 0.05 MM T.I.R.
Supplied with spanner wrench to allow the application of supplementary gripping torque.
DO NOT USE IN REVOLUTION IN COUNTER-CLOCKWISE DIRECTION.

PRECISIONE DI ROTAZIONE 0.05 MM
Per incrementare la forza di serraggio i mandrini sono forniti con chiave di bloccaggio.
NON DEVONO ESSERE USATI PER LAVORAZIONI CON ROTAZIONE A SINISTRA.

PRECISION DE ROTACION 0.05 MM
Se suministran con la llave de sujeción para incrementar la fuerza de apriete.
NO UTILIZAR PARA OPERACIONES CON ROTACION A IZQUIERDAS

RUNDLAUFGENAUIGKEIT 0.05 MM
Zur Erhöhung der Spannkraft werden diese Futter mit Spannschlüssel geliefert.BEI LINKS LAUFENDEN BEARBEITUNGEN SIND DIESE FUTTER NICHT ZU BENUTZEN.

PRECISION DE ROTATION 0.05 MM
Les mandrins sont fournis avec clé de blocage pour augmenter la force de serrage.
NE PAS UTILISER DANS USINAGE AVEC ROTATION A' GAUCHE.

БИЕНИЕ 0,05 ММ
Поставляется с ключом для более сильного зажима.
НЕ ВРАЩАТЬ ПРОТИВ ЧАСОВОЙ СТРЕЛКИ!

径向跳动精度 **0.05 MM T.I.R.**
提供活动扳手，以便施加补充夹紧力。
不得用于逆时针方向旋转。

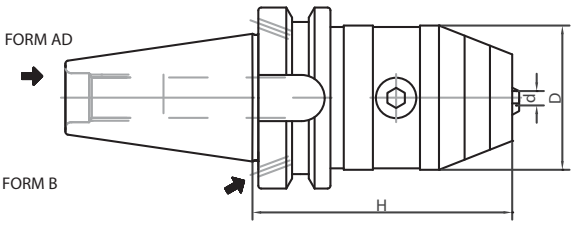
06

KINTEK

NC DRILL CHUCKS FOR LEFT AND RIGHT ROTATION

NC-BOHRFUTTER FÜR RECHTS-UND LINKSLAUF MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE
CONOS PORTABROCAS UNIVERSALES DESTRA E SINISTRA
PARA ROTACION A IZQUIERDAS Y A DERECHAS MADRIN DE PERCAGE CNC POUR ROTATION GAUCHE-DROITE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ВРАЩЕНИЕМ ПО- И ПРОТИВ ЧАСОВОЙ СТРЕЛКИ ДЛЯ СТАНКОВ С ЧПУ 左右旋转 NC 钻夹头

JIS-B 6339 MAS 403/BT A - MAS 403BT/ADB



CODE N.	DESCRIPTION	ISO	H	D	CLAMPING CAPACITY	WRENCH
252-11400	BT30H110R1-13X	30	110	50	1-13	816-152001
252-11410	BT40H98R1-13X	40	98	50	1-13	816-152001
252-11411	BT40H103R3-16X	40	103	50	3-16	816-152002
252-11412	BT50H109R1-13X	50	109	50	1-13	816-152001
252-11413	BT50H114R3-16X	50	114	50	3-16	816-152002

RUNOUT ACCURACY 0.05 MM T.I.R.
Suitable for right and left rotation up to 7000 rpm.

PRECISIONE DI ROTAZIONE 0.05 MM.
Adatti per rotazione sia destra che sinistra, con velocitá max di 7000 g/min.

PRECISION DE ROTACION 0.05 MM
Aptos tanto para rotación a izquierdas como para derechas, con velocidad máxima de 7000 rpm.

RUNDLAUFGENAUIGKEIT 0.05 MM
Sowohl für rechts- als auch links laufende Bearbeitungen geeignet, mit Höchstgeschwindigkeit von 7000 u/min.

PRECISION DE ROTATION 0.05 MM
Utilisables pour rotation droite et gauche, avec maximale vélocité 7000 rpm.

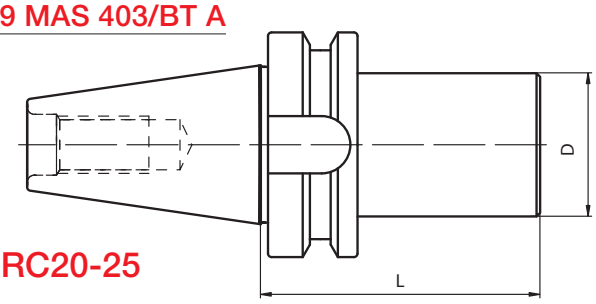
БИЕНИЕ 0,05 ММ
Можно вращать по- и против часовой стрелки со скоростью до 7000 об/мин.

径向跳动精度 **0.05 MM T.I.R.**
适用于最高转速达 7000 转/分钟的左右旋转

BLANK TOOLHOLDER WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT
CONOS SEMIACABADOS
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ
MANDRINI SEMILAVORATI A STELO TENERO
BARRES D'ALESAGE SEMI-FINIES
带软柄的切断刀柄

JIS-B 6339 MAS 403/BT A



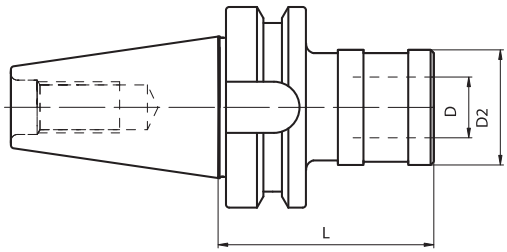
HRC20-25

CODE N.	DESCRIPTION	ISO	D	L
217-41503	BT40H160D63.5SM	40	63.5	160
217-41504	BT40H250D63.5SM	40	63.5	250
217-41507	BT50H300D80SM	50	80	300

TENSION AND COMPRESSION TAPPING HEAD

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LÄNGENAUSGLEICH
ROSCADORES DE DOBLE COMPENSACION
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОМПЕНСАЦИЕЙ
MASCHIATORI A DOPPIA COMPENSAZIONE
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE A DOUBLE USAGE
张力和压缩丝攻头

JIS-B 6339 MAS 403/BT A

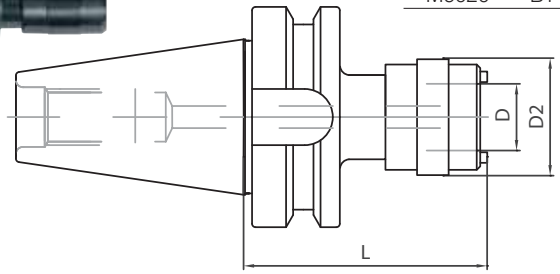


CODE N.	DESCRIPTION	ISO	SIZE	TOP RANGE	PRESS.	EXT.	D	D2	L
M-3310	BT40H67GR1.DC	40	1	M3-M12	9	9	19	38	67
M-3410	BT40H98GR2.DC	40	2	M6-M20	15	15	31	53	98
M-3510	BT40H138GR3.DC	40	3	M14-M33	24	24	48	78	138
M-3320	BT50H81GR1.DC	50	1	M3-M12	9	9	19	38	80
M-3430	BT50H102GR2.DC	50	2	M6-M20	15	15	31	53	102
M-3530	BT50H135GR3.DC	50	3	M14-M33	24	24	48	78	135

SOLID TAPPING HEAD

GEWINDESCHNEID-SCHNELLWECHSELFUTTER OHNE LÄNGENAUSGLEICH
ROSCADORES RIGIDOS SIN COMPENSACION
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ БЕЗ КОМПЕНСАЦИИ
MASCHIATORI RIGIDI SENZA COMPENSAZIONE
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE SANS COMPENSATION
固定攻丝头

JIS-B 6339 MAS 403/BT A - AD



CODE N.	DESCRIPTION	ISO	SIZE	TOP RANGE	D	D2	L
M6010	BT40H67GR1.SC	40	1	M3-M12	19	33	67
M6020	BT40H90GR2.SC	40	2	M6-M20	31	50	90

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

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CLAMPING FINGERS

GREIFER FÜR WERKZEUGMAGAZIN
PINZE PER MAGAZZINI UTENSILI
PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS
PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS
ЗАХВАТЫ
夹具

CLAMPING FINGERS FOR TOOL MAGAZINES

Thanks to our constant and exhaustive co-operation with the most famous machine tool makers we developed a very good experience into the manufacturing of high precision clamping fingers for tool magazines. Our range includes clampers for the most popular attachements: ISO CONES, HSK, but of course we are open to any new version, according to the customer's drawing.

PINZE ALLOGGIAMENTO PORTAUTENSILI PER MAGAZZINI MACCHINE UTENSILI

Grazie alla nostra costante ed intensa collaborazione con i più famosi costruttori di macchine utensili, abbiamo sviluppato una buona esperienza nella produzione di Pinze ad alta precisione per l'alloggiamento nei magazzini di macchine utensili. Nella nostra gamma sono presenti attacchi: ISO, HSK ed altri, e naturalmente siamo aperti ad altre versioni secondo disegno del cliente.

PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS

Gracias a nuestra constante e intensa colaboración con los más conocidos fabricantes de máquinas herramientas, hemos adquirido una gran experiencia en la producción de pinzas de alta precisión para los almacenes portaherramientas. En nuestra gama están incluidos las conexiones: ISO, HSK, BT, etc... Por supuesto estamos abiertos a fabricar otras versiones, de acuerdo con el plano del cliente.

GREIFER FUR WERKZEUGMAGAZIN

Dank unseren intensiven und engen Zusammenarbeit mit den berühmtesten Maschinenherstellern Europas haben wir eine sehr gute Erfahrung auch in dem Bereich Magazinkassetten entwickelt. Gerne bieten wir Ihnen folgende Ausführungen: für ISO, HSK, und alle andere, nach Ihrem Wunsch.

PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS

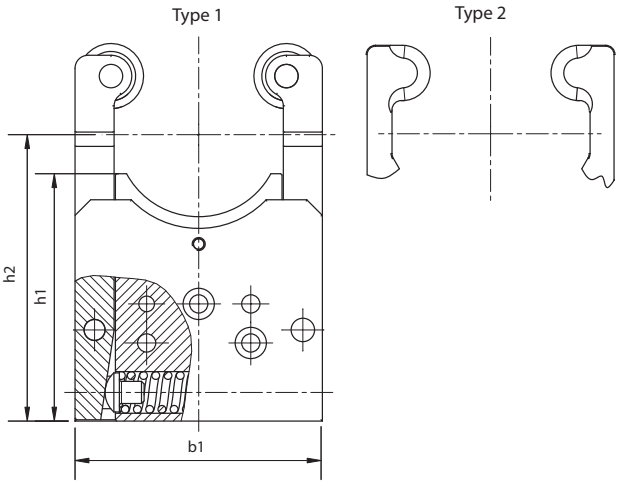
Gràce a notre constante et intensive collaboration avec les plus célèbres constructeurs des machine outils, nous avons développé une bonne expérience pour la production de pinces de logement pour le magasin des machine outils. Dans notre gamme il y a attachements: ISO, HSK et autres. Naturellement nous sommes ouverts à construir autres types de pinces suite aux differents plans du client.

ЗАХВАТЫ ДЛЯ ИНСТРУМЕНТАЛЬНОГО МАГАЗИНА

Благодаря постоянному и тесному сотрудничеству с самыми известными производителями инструмента мы получили большой опыт в изготовлении высокоточных захватов для инструментальных магазинов. Линейка захватов включает в себя самые часто используемые модели: для конусов ISO и HSK. Разумеется, мы готовы изготовить специальный захват по чертежам заказчика.

刀具库使用的夹具

由于我公司长期与最为著名的机器工具制造商进行全面的合作，我公司已经积累了制造工具库使用的高精度夹具的丰富经验。我们的经营范围包括最为受欢迎的附件夹具：ISO 锥体、HSK，当然，我公司也欢迎由客户提供的图纸的任何新版本。



CODE N.	TOOL	b1	h1	h2	TYPE	TYPE SPRING
832-018030	HSK 63A	95	95	110	1	A
832-018470	HSK 63A	95	95	110	1	B
832-018020	HSK 100A	135	118	139	2	A
832-018480	HSK 100A	135	118	139	2	B
832-007940	C63	95	91	110	1	A
832-018490	C63	95	91	110	1	B
832-018050	C80	105	85	110	1	A
832-018500	C80	105	85	110	1	B
832-007980	KM 63	95	100	110	2	A
832-018510	KM 63	95	100	110	2	B
832-018520	TC 40	95	95	110	1	A
832-018530	TC 40	95	95	110	1	B
832-018360	TC 50	135	118	139	2	C
832-018210	TC 50	135	118	139	2	A
832-018540	BT 40	95	95	110	1	A
832-018550	BT 40	95	95	110	1	B
832-018370	BT 50	135	118	139	2	C
832-018200	BT 50	135	118	139	2	A

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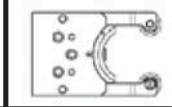
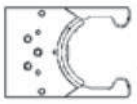
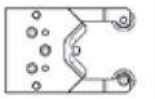
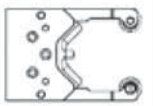
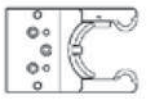
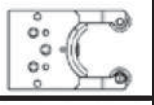
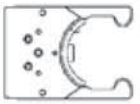
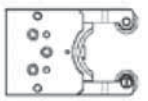
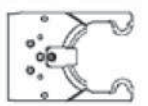
B Stiffened Spring • Molla Rinforzata • Muelle reforzado • Verstärkte Feder • Ressort renforcé • Пружина повышенной жесткости • 强化弹簧
C Normal Spring • Molla Normale • Muelle Normal • Normale Feder • Ressort normal • Пружина нормальной жесткости • 正常弹簧

CLAMPING FINGERS

GREIFER FÜR WERKZEUGMAGAZIN PINZE PER MAGAZZINI UTENSILI
PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS
ЗАХВАТЫ 夹具

CLAMPING FINGERS • PINZE • PINZAS • GREIFER PINCES • ЗАХВАТЫ • 夹具

		Codice/Code	Peso del mandrino / Toolholder 's weight: Max. Load in vertical Pos .(kg)	Max. Load in upper Pos .(kg)	Max. Load in lower Pos .(kg)	Lunghezza del mandrino (mm) Tool's length (mm)	Molla/Spring	
CAS-HSK63A		832-018030	14,6	7,8	4,1	250	SN 2540-16-76	A
		832-018470	21	11,2	5,9	250	SN 2560-16-76	B
CAS-HSK100A		832-018020	40	20,5	11	400	SDF600-20x102	A
		832-018480	80	50	27	400	SDF700-20x102	B
CAS-C6		832-007940	15,6	8,3	4,4	250	SN 2540-16-76	A
		832-018490	22,3	11,9	6,3	250	SN 2560-16-76	B
CAS-C8		832-018050	18,2	10,5	5,1	250	SDF600-16x89	A
		832-018500	29	16,7	8,2	250	SDF700-16x89	B
CAS-KM 63-2		832-007980	14,4	7,7	4	250	SN 2540-16-76	A
		832-018510	20,5	10,9	5,8	250	SN 2560-16-76	B
CAS-TC 40		832-018520	14,6	7,8	4,1	250	SN 2540-16-76	A
		832-018530	21	11,2	5,9	250	SN 2560-16-76	B
CAS-TC50		832-018360	25	13	7	400	SDF500-20x102	C
		832-018210	40	27	15	400	SDF600-20x102	A
CAS-BT 40		832-018540	14,6	7,8	4,1	250	SN 2540-16-76	A
		832-018550	21	11,2	5,9	250	SN 2560-16-76	B
CAS-BT 50		832-018370	25	13	7	400	SDF500-20x102	C
		832-018200	61	31	17	400	SDF600-20x102	A

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C Normal Spring • Molla Normale • Muelle Normal • Normale Feder • Ressort normal • Пружина нормальной жесткости • 正常弹簧

KINTEK®

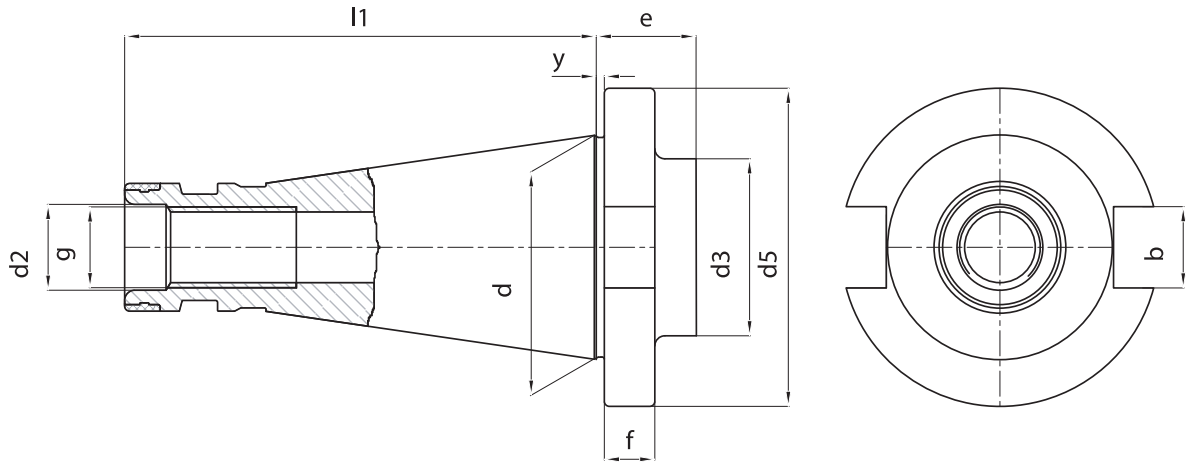
COMPONENTI INNOVATIVI TECNOMECCANICI

DIN 2080

TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
CARACTERISTICAS TECNICAS DE LOS CONOS DONNEES TECHNIQUES QUEUE D'OUTILS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ 锥柄数据表

DIN 2080



ISO	d	l1	d2	g	y	d5	f	d3	e	b
30	31,75	68,4	13	M12	1,6	50	8	36	18,6	16,1
40	44,45	93,4	17	M16	1,6	63	10	50	22,6	16,1
50	69,85	126,8	26	M24	3,2	97,5	12	78	31,2	25,7

KINTEK DIN TOOLHOLDERS

TECHNICAL FEATURES

DIN 2080

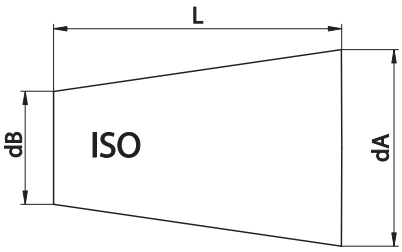
ALL KINTEK TOOLHOLDERS ARE MANUFACTURED ACCORDING TO DIN NORM.

COLLET CHUCK'S RUNOUT ACCURACY
The norm DIN6391 permits a runout error between external cone and internal cone / collet seat of 0.016. Our production has a runout accuracy which is guaranteed to be within 0,003 / 0,010 m at the tool seat.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY
Our shell end mill adaptors meet the requirements of the norm DIN6358, which prescribes for diameters 16-22-27-32-40 a runout accuracy of: 0, 01 for SK 30/40 0,015 for SK 50.

WELDON END MILL HOLDER'S RUNOUT ACCURACY
According to the norm DIN6359-1 Weldon end mill holders have to meet the following requirements:
Bore: H5 tolerance
Runout accuracy: < 0.01 (for SK 40)
Our end mill adaptors ensure the prescribed holes' tolerance and have a runout accuracy which is normally 0.005

CONSTRUCTIVE FEATURES
- Manufactured with Casehardening Steel.
- Casehardened with depth 0,6 - 0,8 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Internal and external grinding finished.



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

CONE'S TOLERANCE
ACCORDING TO THE CLASS AT3.

MANDRINI KINTEK CON ATTACCO ISO

DATI TECNICI

DIN 2080

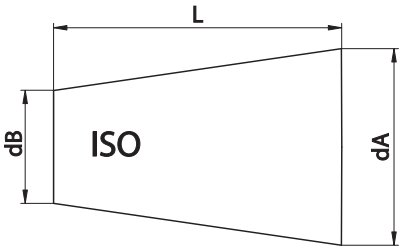
TUTTI I MANDRINI PORTAUTENSILI KINTEK VENGONO PRODOTTI SECONDO LE NORMATIVE DIN

COASSIALITÀ PORTAPINZE
La norma DIN6391 ammette un'errore massimo di 0.016 sia per i portapinze DIN6499/ISO15488 che per DIN6388.
La nostra produzione normalmente presenta uno scostamento massimo di eccentricità tra cono ISO e sede pinza compreso tra i 0,003 e 0,010 mm.

COASSIALITÀ PORTAFRESE FISSI E COMBINATI
I portafrese fissi e combinati di nostra produzione rispondono ai criteri prescritti dalla norma DIN6358, la quale prevede un errore massimo di coassialità tra cono ISO 30 e ISO 40 ed i diametri 16-22-27-32-40, di 0,01.
Mentre per ISO 50 è ammesso un errore massimo di 0,015 mm.

COASSIALITÀ PORTAFRESE WELDON-WHISTLE NOTCH
Rispettando la normativa DIN 6359-1 i portafrese WELDON deveno rispondere ai seguenti requisiti:
foro: tolleranza H5
coassialitá: scostamento massimo consentito tra cono e sede Weldon <0.01 (per ISO 40)
Garantiamo la tolleranza prescritta sul foro e un valore di coassialitá mediamente di 0.005.

DATI COSTRUTTIVI
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

TOLLERANZA DEL CONO
PRODOTTI IN CLASSE AT3.

KINTEK STEILKEGELAUFNAHMEN

TECHNISCHE DATEN

DIN 2080

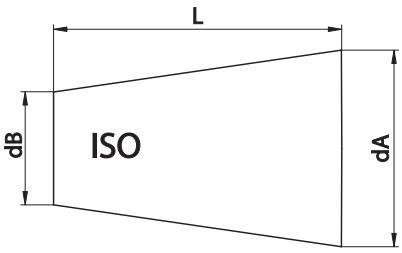
ALLE KINTEK-STEILKEGELAUFNAHMEN WERDEN NACH DEN DIN-NORMEN ANGEFERTIGT.

RUNDLAUFGENAUIGKEIT DER SPANNZANGENAUFNAHME
Die DIN 6391- Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel / Spannzangensitz vom 0,016 vor. Unsere Spannzangenfutter weisen einen Rundlauffehler zwischen ISO-Kegelaufnahme und Spannzangensitz, der zwischen 0,003 und 0,010 mm liegt.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Kintek- Aufsteckfräsdorne entsprechen der DIN 6358- Norm, die einen höchsten Rundlauffehler zwischen ISO 30- und ISO40-Kegel und den Durchmessern 16-22-27-32-40 vom 0,01 vorsieht. Der mögliche höchste Rundlauffehler für ISO 50 ist 0,015 mm.

WELDON AUFSTECKFRÄSDORNE RUNDLAUFGENAUIGKEIT
Nach der DIN 6359-1-Norm müssen die Weldon- Aufsteckfräsdorne die folgenden Forderungen aufweisen:
Bohrung: Toleranz H5
Rundlaufgenauigkeit: höchster möglicher Rundlauffehler zwischen Kegel und Weldonsitz < 0,01 (für ISO 40) Die vorgeschriebene Toleranz der Bohrung und eine durchschnittliche Rundlaufgenauigkeit von 0,005 sind verischert.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,6-0,8 mm
- gehärtet, angelassen
- Härte HRC58 +-2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen und am Gewinde der Spannzangenmutter



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

KEGELSCHAFTTOLERANZ
IN KLASSE AT3 ANGEFERTIGT.

CONOS KINTEK CON ACOPLAMIENTO ISO — CARACTERISTICAS TECNICAS

DIN 2080

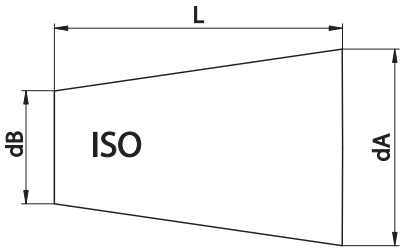
TODOS LOS CONOS PORTAHERRAMIENTAS DE KINTEK SON FABRICADOS DE ACUERDO CON LAS NORMATIVAS DIN

CONCENTRICIDAD DE LOS PORTAPINZAS
La normativa DIN6391 permite un error máximo de 0.016 tanto para los portapinzas DIN6499/ISO15488 como para los DIN6388. Nuestra producción suele presentar una desviación máxima de concentricidad entre el cono ISO y la base de la pinza comprendido entre 0,003 y 0,010 mm.

CONCENTRICIDAD DE LOS PORTAFRESAS
Los portafresas de nuestra producción cumplen los criterios establecidos desde la normativa DIN6358, que prevé un error máximo de concentricidad entre los conos ISO 30 y ISO 40 y los diámetros 16-22-27-32-40 de 0,01, mientras que para los conos ISO 50 de 0,015 mm.

CONCENTRICIDAD DE LOS PORTAFRESAS WELDON
Respetando la normativa DIN6359-1 los porta fresas Weldon tienen que cumplir los siguientes requisitos:
Agujero: tolerancia H5
Concentricidad: desviación máxima entre cono y base Weldon <0.01 (para ISO40)
Garantizamos la tolerancia establecida sobre el agujero y un valor de concentricidad normalmente de 0.005

CARACTERISTICAS DE CONSTRUCCION
- Fabricados con acero de cementación
- Capa de cementado con 0,6 – 0,8 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior, exterior y en el roscado de la tuerca de cierre rectificados



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

TOLERANCIA DEL CONO
EN CLASSE AT3.

MANDRINS KINTEK AVEC ATTACHEMENT ISO — DONNEES TECHNIQUES

DIN 2080

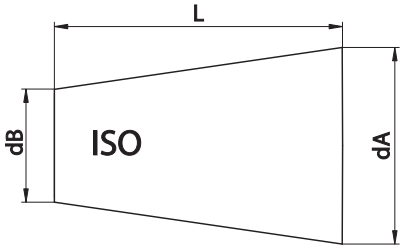
TOUS LES MANDRINS PORTE-OUTILS KINTEK SONT PRODUITS SUIVANT LES SPÉCIFICATIONS DIN

COAXIALITE' PORTE-PINCE
La norme DIN6391 admet une erreur maximum du 0.016 soit pour les porte-pinces DIN6499/ISO15488 soit pour DIN6388.
Dans notre production l'écart d'excentricité maximum entre cône ISO et logement de la pince est compris entre: 0,003 et 0,0010 mm.

COAXIALITE' PORTE-FRAISES FIXES ET COMBINES
Les porte-fraises fixes et combinés de notre production suivent la spécification de la norme DIN6358, qui prévoit pour les diamètres 16-22-27-32-40 une concentricité de 0,01 pour ISO 30 et ISO 40 0,015 pour ISO 50

COAXIALITE' PORTE-FRAISES WELDON
Suivant les spécifications DIN 6359-1 les porte-fraises WELDON doivent suivre les conditions suivantes:
Trou: tolérance H5
Coaxialité: écart maximum toléré entre cône et logement du Weldon <0.01 (pour ISO 40).
Nous assurons la tolérance prévue sur le trou et une coaxialité en moyenne de 0.005.

ELEMENTS DE CONSTRUCTION
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,6 - 0,8 mm
- Trempés - Revenus
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Rectification du cône intérieur, extérieur et dans le filetage des écrous qui serrent la pince.



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

TOLERANCE DU CONE
EN CLASSE AT3.

ОПРАВКИ KINTEK ПО DIN — ТЕХНИЧЕСКОЕ ОПИСАНИЕ

DIN 2080

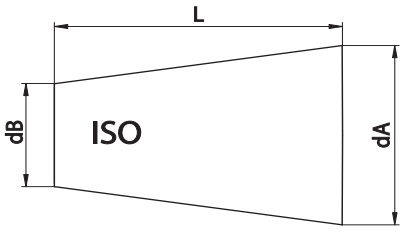
ВСЕ ОПРАВКИ KINTEK ПРОИЗВЕДЕНЫ СОГЛАСНО СТАНДАРТУ DIN.

БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
В соответствие с нормами DIN 6391, допустимое биение конуса оправки относительно конического отверстия под цангу составляет 0,016 мм. Гарантированная точность биения отверстия под инструмент - 0,003 мм/0,010 м.

БИЕНИЕ ОПРАВОК ДЛЯ НАСАДНЫХ ФРЕЗ
Патроны изготовлены в соответствие с требованиями DIN 6358, согласно которым биение для диаметров 16-22-27-32-40 составляет 0,01 мм для SK 30/40 и 0,015 мм для SK 50.

БИЕНИЕ ПАТРОНОВ С КРЕПЛЕНИЕМ WELDON
Оправки соответствуют следующим требованиям DIN 6359-1:
Точность отверстия: H5
Биение: < 0,01 (для SK 40)
Оправки Kintek изготовлены с гарантированной точностью отверстий и биением 0,005 мм.

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,6 - 0,8 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внутренняя и внешняя поверхности



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

ТОЧНОСТЬ КОНУСА
СООТВЕТСТВУЕТ КЛАССУ AT3.

KINTEK 符合 DIN 标的刀柄 — 技术特点

DIN 2080

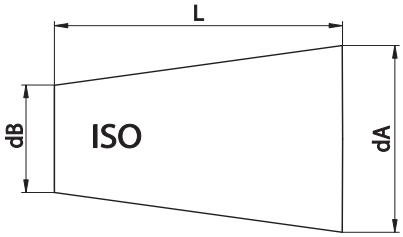
所有 KINTEK 刀柄均根据 DIN 标准来制造。

弹簧夹头的径向跳动精度
DIN6391 标准允许在外部锥体与内部锥体/夹头座之间的径向跳动误差为0.016。
我公司的生产保证在工具底座处径向跳动精度为 0,003 / 0,010 米之间。

平面铣接头的径向跳动精度
我公司的平面铣接头满足 DIN6358 标准要求，该标准规定了直径为 16-22-27-32-40 的径向跳动精度，对于SK 30/40 为0, 01，对于SK 50为0,015。

威尔登式端铣夹具的径向跳动精度
根据 DIN6359-1 标准规定，威尔登式端铣夹具必须要达到下列要求：
孔：H5 误差
径向跳动精度：< 0.01 (对于 SK 40)
我公司的平面铣接头确保可达到规定的孔的误差，通常的径向跳动精度为 0.005。

结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,6 - 0,8 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- 黑色氧化。
- 内部及外部表面打磨处理。



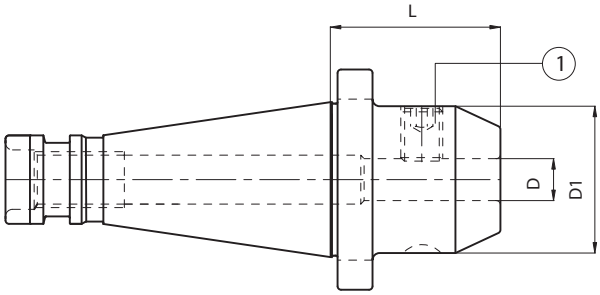
ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

锥体的误差 根据 AT3 级别

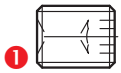
END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON
MANDRINI PORTAFRESE TIPO WELDON
MANDRINS POUR OUTILS TYPE WELDON
威尔登式端铣夹具

DIN 2080 - DIN 1835 B



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

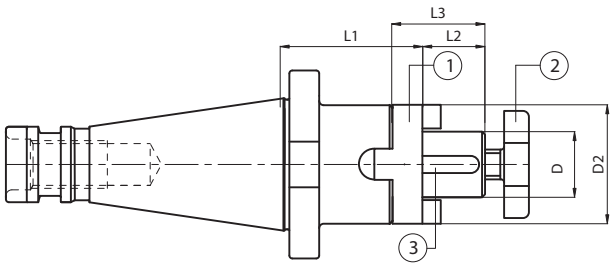
D	LOCKING SCREW	QUANTITY
		
6	811-106001	1
8	811-106002	1
10	811-106004	1
12	811-106005	1
14	811-106005	1
16	811-106006	1
18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2
40	811-106009	2

CODE N.	DESCRIPTION	ISO	D	L	D1
213-11102	ISO40H50WE06	40	6	50	25
213-11103	ISO40H50WE08	40	8	50	28
213-11104	ISO40H50WE10	40	10	50	35
213-11105	ISO40H50WE12	40	12	50	42
213-11107	ISO40H63WE16	40	16	63	48
213-11109	ISO40H63WE20	40	20	63	52
213-11110	ISO40H90WE25	40	25	90	65
213-11111	ISO40H90WE32	40	32	90	72
213-11115	ISO50H63WE12	50	12	63	42
213-11117	ISO50H63WE16	50	16	63	48
213-11119	ISO50H63WE20	50	20	63	52
213-11120	ISO50H80WE25	50	25	80	65
213-11121	ISO50H85WE32	50	32	85	72
213-11122	ISO50H95WE40	50	40	95	78

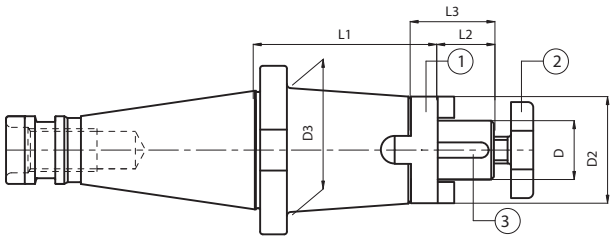
COMBI-SHELL MILL ADAPTORS

KOMBI - AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI
CONOS PORTAFRESAS COMBINADOS MANDRINS PORTE- FRAISES A DOUBLE USAGE
КОМБИНИРОВАННЫЕ ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ 复合式平面铣刀接头

DIN 2080 - DIN 6358



	CODE N.	DESCRIPTION	ISO	D	L1	L2	L3	D2
STANDARD	216-11101	ISO40H52D16C	40	16	52	17	27	32
	216-11102	ISO40H52D22C	40	22	52	19	31	40
	216-11103	ISO40H52D27C	40	27	52	21	33	48
	216-11104	ISO40H52D32C	40	32	52	24	38	58
	216-11105	ISO40H52D40C	40	40	52	27	41	70
	216-11106	ISO50H55D16C	50	16	55	17	27	32
	216-11107	ISO50H55D22C	50	22	55	19	31	40
	216-11108	ISO50H55D27C	50	27	55	21	33	48
	216-11109	ISO50H55D32C	50	32	55	24	38	58
	216-11110	ISO50H55D40C	50	40	55	27	41	70



	CODE N.	DESCRIPTION	ISO	D	L1	L2	L3	D2	D3
EXTENDED	216-11120	ISO40H100D16C	40	16	100	17	27	32	40
	216-11121	ISO40H100D22C	40	22	100	19	31	40	44
	216-11122	ISO40H100D27C	40	27	100	21	33	48	-
	216-11123	ISO40H100D32C	40	32	100	24	38	58	-
	216-11125	ISO50H100D16C	50	16	100	17	27	32	50
	216-11126	ISO50H100D22C	50	22	100	19	31	40	60
	216-11127	ISO50H100D27C	50	27	100	21	33	48	60
	216-11128	ISO50H100D32C	50	32	100	24	38	58	-
	216-11129	ISO50H100D40C	50	40	100	27	41	70	-

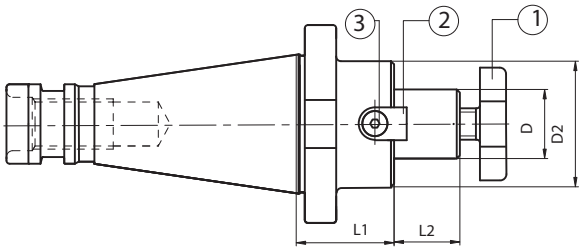
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	RING	CROSS SCREW	KEY	WRENCH
	❶	❷	❸	
16	814-30001	811-107003	814-201010	816-130002
22	814-30002	811-107004	814-201020	816-130003
27	814-30003	811-107005	814-201030	816-130004
32	814-30004	811-107006	814-201040	816-130005
40	814-30005	811-107007	814-201050	816-130006

FACE MILL HOLDERS-TENONS DRIVE

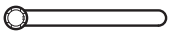
AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT
CONOS PORTAFRESAS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА
MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS
平面铣刀柄 – 凸榫驱动带有更大的法兰直径

DIN 2080 - ISO 3937



	CODE N.	DESCRIPTION	ISO	D	L1	L2	D2
STANDARD	216-71105	ISO40H45D16F	40	16	45	17	38
	216-71106	ISO40H45D22F	40	22	45	19	48
	216-71107	ISO40H45D27F	40	27	45	21	58
	216-71108	ISO40H50D32F	40	32	50	24	78
	216-71109	ISO40H55D40F	40	40	55	27	88
	216-71115	ISO50H45D16F	50	16	45	17	38
	216-71116	ISO50H45D22F	50	22	45	19	48
	216-71117	ISO50H45D27F	50	27	45	21	58
	216-71118	ISO50H50D32F	50	32	50	24	78
	216-71119	ISO50H50D40F	50	40	50	27	88

Spare parts • Componenti • Ersatzteile • Piezas de repuesto Pièces détachées • Запасные части • 零件

D/D2	CROSS SCREW	TENON	SCREW	WRENCH
	❶	❷	❸	
16/32	811-107003	814-20214	811-101003	816-130002
16/38	811-107003	814-202280	811-101004	816-130002
22/40	811-107004	814-202150	811-101010	816-130003
22/48	811-107004	814-202250	811-101011	816-130003
27/48	811-107005	814-202160	811-101017	816-130004
27/58	811-107005	814-202270	811-101018	816-130004
32/58	811-107006	814-202170	811-101027	816-130005
32/78	811-107006	814-202630	811-101029	816-130005
40/70	811-107007	814-202180	811-101028	816-130006
40/88	811-107007	814-202710	811-101029	816-130006

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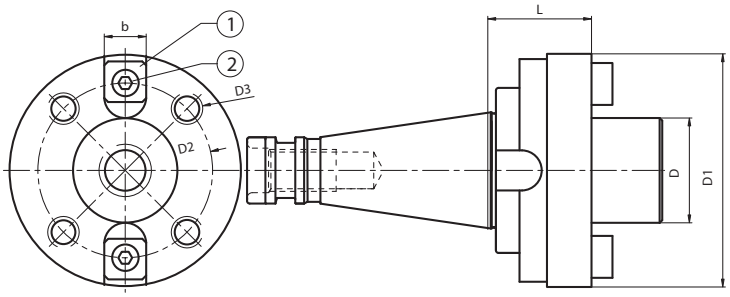
FACE MILL HOLDER FOR FACE MILLING CUTTERS

AUFSTECKFRÄSDORNE FÜR MESSERKÖPFE MIT GRÖSSEREM BUNDDURCHMESSER
CONOS PORTAFRESAS SIN MANGO CON VALONA INCREMENTADA
ОПРАВКИ ДЛЯ ФЛАНЦЕВОГО КРЕПЛЕНИЯ ФРЕЗ
MANDRINI PORTAFRESE A SPIANARE CON FLANGIA MAGGIORATA
MANDRINS PORTE-FRAISE POUR FRAISES A SURFACER
平面铣刀柄-夹持端铣刀

DIN 2080 - DIN 6357



CODE N.	DESCRIPTION	ISO	D	L	D1	D2	D3	b
* 216-21102	ISO50H53.2D40	50	40	53.2	89	66.7	M12	15.9
216-21104	ISO50H70.2D60	50	60	70.2	129	101.6	M16	25.4

* SUPPLIED WITH INTERNAL SCREW • FORNITO CON VITE CENTRALE INCLUSA
SE SUMINISTRA CON EL TORNILLO CENTRAL INCLUIDO • INKLUSIVE INNENSCHARUBE VIS INTERNE INCLUSE
ПОСТАВЛЯЕТСЯ С ВНУТРЕННИМ ВИНТОМ • 供货时提供内部螺丝

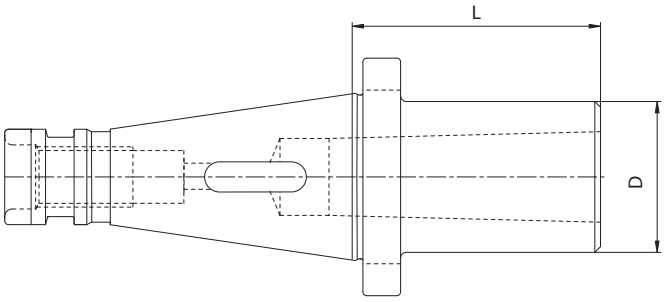
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

D	TENON	SCREW	CROSS SCREW	WRENCH
	❶	❷	❸	
40	814-202080	811-101028	811-107007	816-130006
60	814-202120	811-101063	-	-

MORSE TAPER ADAPTORS FOR DRILLS

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN
ADAPTADOR A CONO MORSE CON ARRASTRE
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С ЛАПКОЙ
MANDRINI PORTAPUNTE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE A TENON
莫氏锥度钻接头

DIN 2080 - DIN 228-2 FORM D

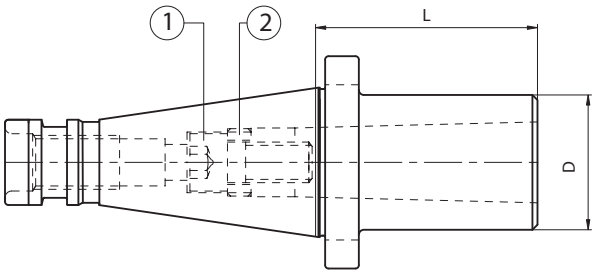


CODE N.	DESCRIPTION	ISO	MORSE	D	L
212-41102	ISO40H50CM2P	40	2	32	50
212-41103	ISO40H65CM3P	40	3	40	65
212-41104	ISO40H95CM4P	40	4	48	95
212-41105	ISO50H60CM2P	50	2	32	60
212-41106	ISO50H65CM3P	50	3	40	65
212-41107	ISO50H70CM4P	50	4	48	70
212-41108	ISO50H105CM5P	50	5	63	120

MORSE TAPER ADAPTER WITH THREAD

ZWISCHENHÜLSEN FÜR MORESEKEGEL MIT ANZUGSGEWINDE
ADAPTADOR A CONO MORSE CON ROSCA
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С РЕЗЬБОЙ
MANDRINI PORTAFRESE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE AVEC TARAUDAGE
螺纹莫氏锥度接头

DIN 2080 - DIN 228-2 FORM C



ISO MORSE	SCREW ❶	RING ❷
40/2	811-111007	811-302031
40/3	811-101065	811-302032
40/4	811-111005	811-302036
50/2	811-101054	811-302032
50/3	811-101065	811-302032
50/4	811-401037	811-302036
50/5	811-101092	811-302034

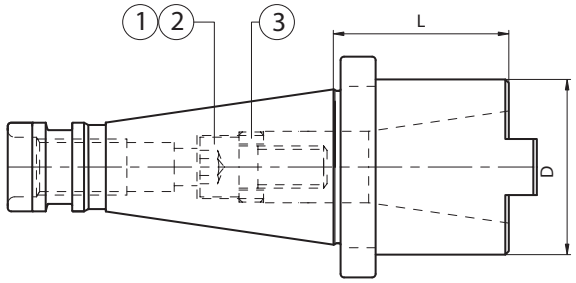
CODE N.	DESCRIPTION	ISO	MORSE	D	L
212-21102	ISO40H50CM2F	40	2	32	50
212-21103	ISO40H65CM3F	40	3	40	65
212-21104	ISO40H95CM4F	40	4	48	95
212-21105	ISO50H60CM2F	50	2	32	60
212-21106	ISO50H65CM3F	50	3	40	65
212-21107	ISO50H65CM4F	50	4	48	65
212-21108	ISO50H120CM5F	50	5	63	120

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ISO TAPER ADAPTORS

ZWISCHENHÜLSEN SK X SK
CONOS ADAPTADORES
DE DIN2080 EN DIN2080/DIN69871/MAS403BT
ПЕРЕХОДНЫЕ ОПРАВКИ SK - SK
MANDRINI RIDUZIONE
DA DIN2080 A DIN/2080/DIN69871/MAS 403BT
DOUILLES INTERMEDIAIRES SA X SA
ISO 锥度接头

DIN 2080



CODE N.	DESCRIPTION	ISO	ISO	D	L
212-11102	ISO40H50ISO30/TC30	40	30	50	50
212-11101	ISO50H63ISO40/TC40	50	40	78	63

Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

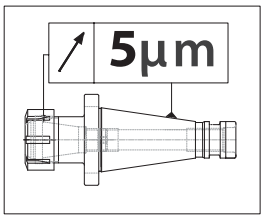
OUTSIDE	INSIDE	SCREW (ISO) ❶	SCREW (TC) ❷	RING ❸	WRENCH
40	30	811-101065	811-101069	811-302032	816-20206002
50	40	811-401037	811-401055	811-302036	816-20207002
50	50	811-401052	811-401135	811-302047	816-202090

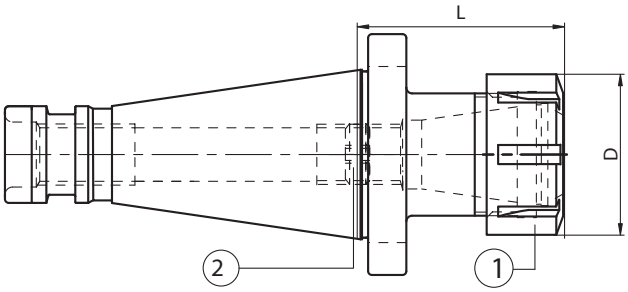
Supplied with a screw DIN69871/MAS BT/DIN2080
In dotazione vite per chiusura DIN69871/MAS BT/DIN2080
Se suministra con el tornillo de apriete DIN69871/MAS-BT/DIN2080
Verschlußschraube für DIN69871/MAS BT/DIN2080 werden mitgeliefert
Livré avec une vis de serrage DIN69871/MAS BT/DIN2080
Поставляется с винтом для DIN69871/MAS BT/DIN2080
供货时提供符合DIN69871/MAS BIT/DIN2080螺丝

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

DIN 2080 - DIN6499/ISO15488





CODE N.	DESCRIPTION	ISO	ER	D	L
214-31105	ISO30H42ER16	30	16	32	42
214-31106	ISO30H42ER25	30	25	42	42
214-31107	ISO30H50ER32	30	32	50	50
214-31152	ISO40H55ER16	40	16	32	55
214-31101	ISO40H53ER25	40	25	42	53
214-31108	ISO40H110ER25	40	25	42	110
214-31102	ISO40H70ER32	40	32	50	70
214-31109	ISO40H110ER32	40	32	50	110
214-31110	ISO50H140ER32	50	32	50	140
214-31114	ISO40H80ER40	40	40	63	80
214-31137	ISO50H65ER25	50	25	42	65
214-31103	ISO50H68ER32	50	32	50	68
214-31104	ISO50H76ER40	50	40	63	76
214-31111	ISO50H140ER40	50	40	63	140

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	Nut ❶	STOP SCREW ❷	STOP SCREW ❷
16	812-203005	811-303119	-
25	812-203001	811-303121	-
ISO30/25	812-203001	-	811-303001
32	812-203002	811-303118	-
ISO30/32	812-203002	-	811-303001
40	812-203003	811-303122	-

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New Production Plant
Kintek S.R.L.
Mappano - Torino
Italy

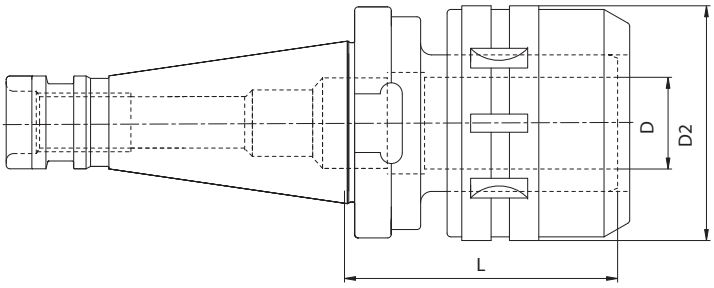
Head Office
Kintek S.R.L.
Mappano - Torino
Italy

Main Production Plant
Kintek Tooling KFT
Bekescsaba
Hungary

MILLING CHUCK

KRAFTSPANNFUTTER MANDRINI A FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

DIN 2080



CODE N.	DESCRIPTION	ISO	D	D2	L	G6,3 12000 RPM
214-01101	ISO40H83C32	40	32	71	83	•
214-01102	ISO50H85C32	50	32	71	85	•

SUPPLIED WITH WRENCH • INKLUSIVE SPANNSCHLÜSSEL • FORNITI CON CHIAVE INCLUSA
SE SUMINISTRA CON LLAVE • CLÉ INCLUSE • ПОСТАВЛЯЕТСЯ С КЛЮЧОМ • 供货时提供扳手

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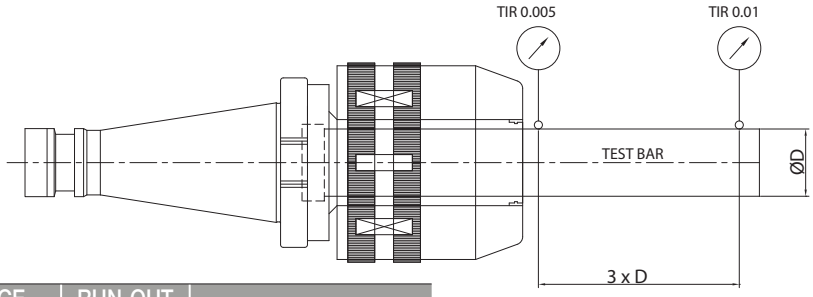


MILLING CHUCK (diameter)	SPECIFICATION (DIN)	TOLERANCE (Taper shank)	RUN-OUT (3xD)	CLAMPING TORQUE
C32	AT3	ISO40 (0~+0,003) ISO50 (0~+0,004)	0~0,01	3430M.m (350 Kgf.m)

MILLING CHUCK KITS

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 铣夹头组套

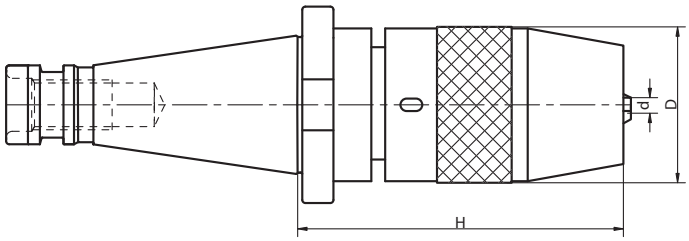
Kit Box: 1 milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino forte serraggio + 1 serie pinze + 1 chiave
Contenido del set: 1 cono de gran apriete + 1 juego de pinzas + 1 llave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Boîte d'équipement: 1 mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 патрон + 1 набор цанг + 1 ключ
组件盒: 1 个铣夹头 + 1 个夹头套装 + 1 个扳手

	CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
ISO 40	KIT BT40 C20	N°1 BT40 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT40 C32	N°1 BT40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC40 C20	N°1 TC 40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC40 C32	N°1 TC 40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT ISO40 C32	N°1 ISO 40 L83 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
ISO 50	KIT BT50 C20	N°1 BT 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT BT50 C32	N°1 BT 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT TC50 C20	N°1 TC 50 L105 C20 + n°5 pinze K20: Ø6,8,10,12,16
	KIT TC50 C32	N°1 TC 50 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25
	KIT ISO50 C32	N°1 ISO 50 L85 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25

UNIVERSAL DRILL CHUCKS

KURZBOHRFUTTER MANDRINI PORTAPUNTE INTEGRALI
CONOS PORTABROCAS UNIVERSALES MANDRINS UNIVERSELS DE PERCAGE
УНИВЕРСАЛЬНЫЕ СВЕРЛИЛЬНЫЕ ПАТРОНЫ 万能钻夹头

DIN 2080



CODE N.	DESCRIPTION	ISO	H	D	CLAMPING CAPACITY	WRENCH
252-11101	ISO40H95R1-13	40	95	50	1-13	816-111024
252-11102	ISO40H105R3-16	40	105	57	3-16	816-111025
252-11103	ISO50H80R1-13	50	80	50	1-13	816-111024
252-11104	ISO50H100R3-16	50	100	57	3-16	816-111025

RUNOUT ACCURACY 0.05 MM T.I.R.
Supplied with spanner wrench to allow the application of supplementary gripping torque.
DO NOT USE IN REVOLUTION IN COUNTER-CLOCKWISE DIRECTION.

PRECISIONE DI ROTAZIONE 0.05 MM
Per incrementare la forza di serraggio i mandrini sono forniti con chiave di bloccaggio.
NON DEVONO ESSERE USATI PER LAVORAZIONI CON ROTAZIONE A SINISTRA.

RUNDLAUFGENAUIGKEIT 0.05 MM
Zur Erhöhung der Spannkraft werden diese Futter mit Spannschlüssel geliefert.
BEI LINKS LAUFENDEN BEARBEITUNGEN SIND DIESE FUTTER NICHT ZU BENUTZEN.

PRECISION DE ROTACION 0.05 MM
Se suministran con la llave de sujeción para incrementar la fuerza de apriete.
NO UTILIZAR PARA OPERACIONES CON ROTACION A IZQUIERDAS

PRECISION DE ROTATION 0.05 MM
Les mandrins sont fournis avec clé de blocage pour augmenter la force de serrage.
NE PAS UTILISER DANS USINAGE AVEC ROTATION A' GAUCHE.

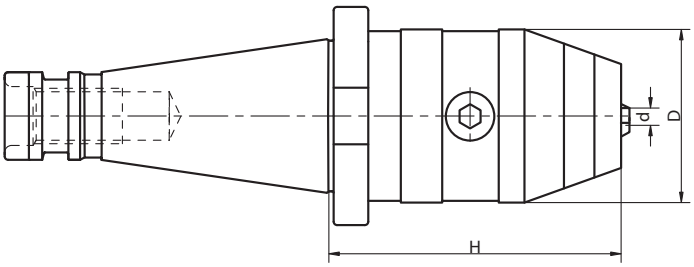
БИЕНИЕ 0,05 ММ
Поставляется с ключом для более сильного зажима.
НЕ ВРАЩАТЬ ПРОТИВ ЧАСОВОЙ СТРЕЛКИ!

径向跳动精度 **0.05 MM T.I.R.**
提供活动扳手，以便施加补充夹紧力。
不得用于逆时针方向旋转。

UNIVERSAL DRILL CHUCKS FOR LEFT AND RIGHT ROTATION

KURZBOHRFUTTER FÜR RECHTS-UND LINKSLAUF MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE DESTRA E SINISTRA
CONOS PORTABROCAS UNIVERSALES PARA ROTACION A IZQUIERDAS Y A DERECHAS MANDRINS DE PERCAGE POUR ROTATION GAUCHE-DROITE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ВРАЩЕНИЕМ ПО- И ПРОТИВ ЧАСОВОЙ СТРЕЛКИ ДЛЯ СТАНКОВ С ЧПУ 左右旋转 NC 钻夹头

DIN 2080



CODE N.	DESCRIPTION	ISO	H	D	CLAMPING CAPACITY	WRENCH
252-11105	ISO40H90R1-13X	40	90	50	1-13	816-152001
252-11106	ISO40H100R3-16X	40	100	50	3-16	816-152001

RUNOUT ACCURACY 0.05 MM T.I.R.
Suitable for right and left rotation up to 7000 rpm.

PRECISIONE DI ROTAZIONE 0.05 MM.
Adatti per rotazione sia destra che sinistra, con velocitá max di 7000 g/min.

RUNDLAUFGENAUIGKEIT 0.05 MM
Sowohl für rechts- als auch links laufende Bearbeitungen geeignet, mit Höchstgeschwindigkeit von 7000 u/min.

PRECISION DE ROTACION 0.05 MM
Aptos tanto para rotación a izquierdas como para derechas, con velocidad máxima de 7000 rpm.

PRECISION DE ROTATION 0.05 MM
Utilisables pour rotation droite et gauche, avec maximale vélocité 7000 rpm.

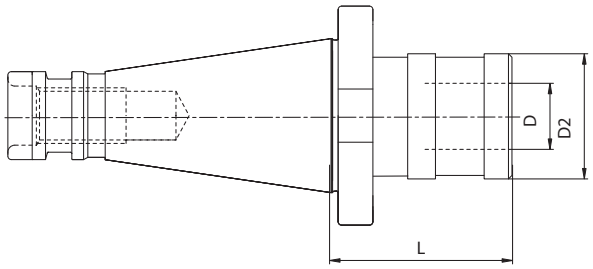
БИЕНИЕ 0,05 ММ
Можно вращать по- и против часовой стрелки со скоростью до 7000 об/мин.

径向跳动精度 **0.05 MM T.I.R.**
适用于最高转速达 7000 转/分钟的左右旋转

TENSION AND COMPRESSION TAPPING HEAD

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LÄNGENAUSGLEICH
ROSCADORES DE DOBLE COMPENSACION
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОМПЕНСАЦИЕЙ
MASCHIATORI A DOPPIA COMPENSAZIONE
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE A DOUBLE USAGE
张力和压缩丝攻头

DIN 2080



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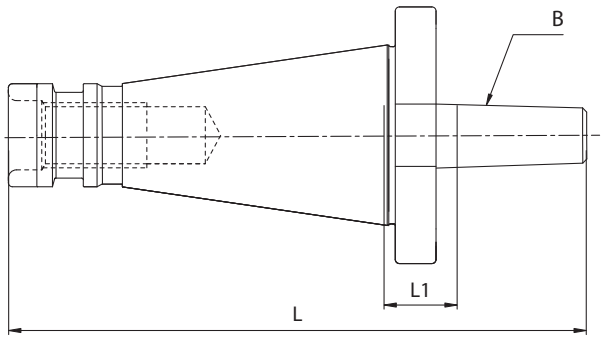
CODE N.	DESCRIPTION	ISO	SIZE	TOP RANGE	PRESS.	EXT.	D	D2	L
M-1020	ISO40H52GR1DC	40	1	M3-M12	9	9	19	36	52
M-1120	ISO40H77GR2DC	40	2	M6-M20	15	15	31	53	77
M-1130	ISO50H79GR2DC	50	2	M6-M20	15	15	31	53	79

ARBORS FOR DRILL CHUCKS

BOHRFUTTERAUFNAHMEN
CONOS PARA PORTABROCAS CON ESPIGA
ОПРАВКИ ДЛЯ СВЕРЛИЛЬНЫХ ПАТРОНОВ
ATTACCO PER MANDRINI PORTAPUNTE
ARBRES POUR MANDRINS DE PERCAGE
钻夹头刀杆

DIN 2080 - DIN 238

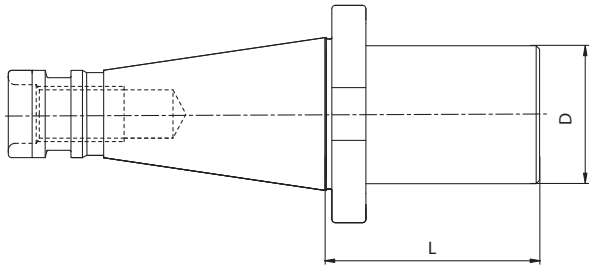


CODE N.	DESCRIPTION	ISO	B	L	L1
216-31102	ISO40H17B16	40	16	134.4	17
216-31103	ISO40H17B18	40	18	142.4	17
216-31104	ISO50H20B16	50	16	170.8	20
216-31105	ISO50H20B18	50	18	178.8	20

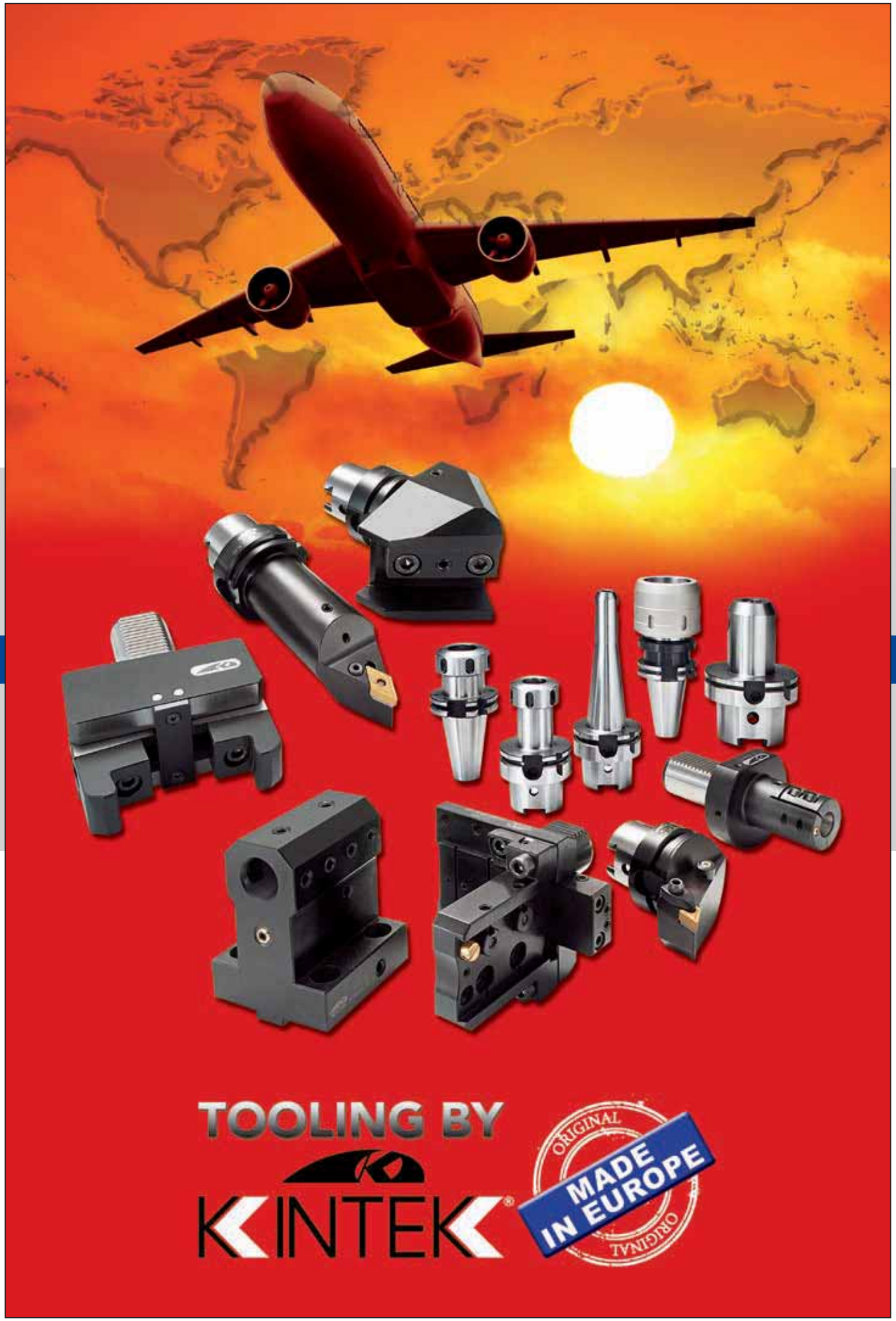
BLANK TOOLHOLDER WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT
CONOS SEMIACABADOS
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ
MANDRINI SEMILAVORATI A STELO TENERO
BARRES D'ALESAGE SEMI-FINIES
带软柄的切断刀柄

DIN 2080



CODE N.	DESCRIPTION	ISO	D	L
217-41101	ISO40H160D40.5SM	40	40.5	160
217-41102	ISO40H160D63.5SM	40	63.5	160
217-41103	ISO40H250D63.5SM	40	63.5	250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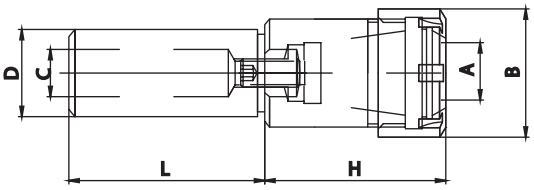
ACCESSORIES AND KIT

CYLINDRICAL COLLET CHUCKS WITH MINI NUT

SPANNFUTTER MIT ZYLINDERSCHAFT MIT MINI SPANNMUTTER
PORTAPINZAS CILINDRICO CON TUERCA MINI
ЦАНГОВЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ С МИНИ-ГАЙКОЙ
PORTAPINZA GAMBO CILINDRICO CON GHIERA MINI
PORTE PINCES QUEUE CYLINDRIQUE AVEC ECROU MINI
带微型螺母的圆柱式弹簧夹头

DIN6499/ISO15488



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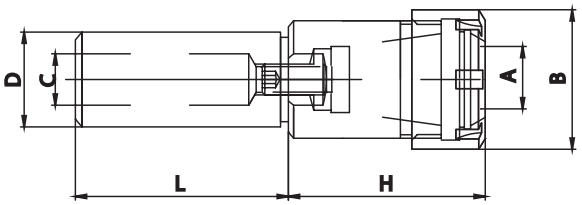
214-35139	D6L45ER11M	6	45	25	16	-	1÷7	812-203012	ER11M
214-35102	D8L55ER8M	8	55	24	12	-	1÷5	812-203011	ER8M
214-35108	D8L80ER8M	8	80	24	12	-	1÷5	812-203011	ER8M
214-35714	D8L100ER8M	8	100	24	12	-	1÷5	812-203011	ER8M
214-35715	D8L130ER8M	8	130	24	12	-	1÷5	812-203011	ER8M
214-35109	D8L55ER11M	8	55	25	16	-	1÷7	812-203012	ER11M
264-35116	D8L100ER11M	8	100	25	16	-	1÷7	812-203012	ER11M
214-35716	D8L55ER16M	8	55	37	22	-	1÷10	812-203013	ER16M
264-35117	D10L55ER8M	10	55	24	12	5	1÷5	812-203011	ER8M
214-35718	D10L80ER8M	10	80	24	12	5	1÷5	812-203011	ER8M
264-35118	D10L100ER8M	10	100	18	12	5	1÷5	812-203011	ER8M
214-35719	D10L130ER8M	10	130	24	12	5	1÷5	812-203011	ER8M
214-35110	D10L55ER11M	10	55	25	16	5	1÷7	812-203012	ER11M
214-35720	D10L80ER11M	10	80	25	16	5	1÷7	812-203012	ER11M
264-35119	D10L100ER11M	10	100	27	16	5	1÷7	812-203012	ER11M
214-35721	D10L130ER11M	10	130	25	16	5	1÷7	812-203012	ER11M
214-35113	D10L60ER16M	10	60	39	22	5	1÷10	812-203013	ER16M
264-35120	D10L100ER16M	10	100	37	22	5	1÷10	812-203013	ER16M
214-35723	D12L55ER8M	12	55	15	12	5	1÷5	812-203011	ER8M
214-35724	D12L70ER8M	12	70	15	12	5	1÷5	812-203011	ER8M
214-35140	D12L100ER8M	12	100	18	12	5	1÷5	812-203011	ER8M
264-35121	D12L140ER8M	12	140	18	12	5	1÷5	812-203011	ER8M
264-35122	D12L55ER11M	12	55	25	16	7	1÷7	812-203012	ER11M
214-35141	D12L70ER11M	12	70	27	16	7	1÷7	812-203012	ER11M
214-35142	D12L100ER11M	12	100	27	16	7	1÷7	812-203012	ER11M
214-35143	D12L140ER11M	12	140	27	16	7	1÷7	812-203012	ER11M
264-35123	D12L55ER16M	12	55	37	22	7	1÷10	812-203013	ER16M
214-35114	D12L80ER16M	12	80	39	22	7	1÷10	812-203013	ER16M
264-35124	D12L120ER16M	12	120	37	22	7	1÷10	812-203013	ER16M
264-35126	D16L40ER11M	16	40	22	16	7	1÷7	812-203012	ER11M
214-35725	D16L60ER11M	16	60	22	16	7	1÷7	812-203012	ER11M
264-35127	D16L80ER11M	16	80	24	16	7	1÷7	812-203012	ER11M
264-35128	D16L100ER11M	16	100	24	16	7	1÷7	812-203012	ER11M
264-35129	D16L130ER11M	16	130	24	16	7	1÷7	812-203012	ER11M
264-35130	D16L160ER11M	16	160	24	16	7	1÷7	812-203012	ER11M
214-35726	D16L200ER11M	16	200	24	16	7	1÷7	812-203012	ER11M
264-35131	D16L35ER16M	16	35	39	22	7	1÷10	812-203013	ER16M
264-35132	D16L60ER16M	16	60	39	22	7	1÷10	812-203013	ER16M
214-35115	D16L80ER16M	16	80	39	22	7	1÷10	812-203013	ER16M
214-35145	D16L100ER16M	16	100	39	22	7	1÷10	812-203013	ER16M
214-35146	D16L130ER16M	16	130	39	22	7	1÷10	812-203013	ER16M
214-35147	D16L160ER16M	16	160	39	22	7	1÷10	812-203013	ER16M
214-35727	D16L200ER16M	16	200	39	22	7	1÷10	812-203013	ER16M
264-35133	D16L55ER20M	16	55	48	28	9	1÷13	812-203014	ER20M
214-35148	D16L100ER20M	16	100	40	28	9	1÷13	812-203014	ER20M
264-35135	D16L160ER20M	16	160	40	28	9	1÷13	812-203014	ER20M

D5÷D16 Shank without flat • Stelo senza piano • Mango sin plano • Zylinderschaft • Queue cylindrique • Хвостовик без лыски • 柄不带平面

CYLINDRICAL COLLET CHUCKS WITH MINI NUT

SPANNFUTTER MIT ZYLINDERSCHAFT MIT MINI SPANNMUTTER
PORTAPINZAS CILINDRICO CON TUERCA MINI
ЦАНГОВЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ С МИНИ-ГАЙКОЙ
PORTAPINZA GAMBO CILINDRICO CON GHIERA MINI
PORTE PINCES QUEUE CYLINDRIQUE AVEC ECROU MINI
带微型螺母的圆柱式弹簧夹头

DIN6499/ISO15488



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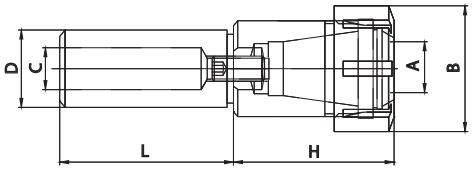
264-35137	D20L100ER11M	20	100	24	16	7	1÷7	812-203012	ER11M
214-35736	D20L130ER11M	20	130	22	16	7	1÷7	812-203012	ER11M
214-35737	D20L160ER11M	20	160	22	16	7	1÷7	812-203012	ER11M
214-35738	D20L200ER11M	20	200	22	16	7	1÷7	812-203012	ER11M
214-35149	D20L60ER16M	20	60	32	22	11	1÷10	812-203013	ER16M
214-35150	D20L100ER16M	20	100	32	22	11	1÷10	812-203013	ER16M
264-35138	D20L130ER16M	20	130	32	22	11	1÷10	812-203013	ER16M
214-35151	D20L160ER16M	20	160	32	22	11	1÷10	812-203013	ER16M
264-35139	D20L200ER16M	20	200	32	22	11	1÷10	812-203013	ER16M
214-35739	D20L250ER16M	20	250	30	22	11	1÷10	812-203013	ER16M
264-35140	D20L46ER20M	20	46	37	28	11	1÷13	812-203014	ER20M
214-35152	D20L60ER20M	20	60	39	28	11	1÷13	812-203014	ER20M
214-35111	D20L100ER20M	20	100	39	28	11	1÷13	812-203014	ER20M
214-35153	D20L130ER20M	20	130	39	28	11	1÷13	812-203014	ER20M
214-35154	D20L160ER20M	20	160	37	28	11	1÷13	812-203014	ER20M
264-35141	D20L200ER20M	20	200	39	28	11	1÷13	812-203014	ER20M
214-35740	D20L250ER20M	20	250	37	28	11	1÷13	812-203014	ER20M
214-35155	D20L60ER25M	20	60	46	35	11	1÷16	812-203015	ER25M
214-35116	D20L100ER25M	20	100	44	35	11	1÷16	812-203015	ER25M
214-35741	D20L160ER25M	20	160	46	35	11	1÷16	812-203015	ER25M
214-35742	D22L80ER16M	22	80	27	22	11	1÷10	812-203013	ER16M
264-35144	D25L60ER16M	25	60	29	22	11	1÷10	812-203013	ER16M
214-35157	D25L100ER16M	25	100	27	22	11	1÷10	812-203013	ER16M
264-35146	D25L160ER16M	25	160	27	22	11	1÷10	812-203013	ER16M
214-35746	D25L200ER16M	25	200	27	22	11	1÷10	812-203013	ER16M
214-35158	D25L60ER20M	25	60	29	28	13	1÷13	812-203014	ER20M
214-35159	D25L100ER20M	25	100	28	28	13	1÷13	812-203014	ER20M
264-35147	D25L130ER20M	25	130	28	28	13	1÷13	812-203014	ER20M
214-35160	D25L160ER20M	25	160	29	28	13	1÷13	812-203014	ER20M
214-35747	D25L200ER20M	25	200	28	28	13	1÷13	812-203014	ER20M
264-35148	D25L50ER25M	25	50	32	35	13	1÷16	812-203015	ER25M
214-35161	D25L70ER25M	25	70	32	35	13	1÷16	812-203015	ER25M
264-35149	D25L100ER25M	25	100	32	35	13	1÷16	812-203015	ER25M
214-35162	D25L130ER25M	25	130	32	35	13	1÷16	812-203015	ER25M
264-35150	D25L160ER25M	25	160	32	35	13	1÷16	812-203015	ER25M
214-35748	D25L200ER25M	25	200	32	35	13	1÷16	812-203015	ER25M
264-35151	D32L90ER16M	32	90	30	22	11	1÷10	812-203013	ER16M
214-35163	D32L90ER20M	32	90	29	28	13	1÷13	812-203014	ER20M

D19,05÷D32 Shank with flat • Stelo con piano • Mango con plano • Zylinderschaft mit Fläche • Queue cylindrique avec plat • Хвостовик с лыской • 柄带平面

CYLINDRICAL COLLET CHUCKS WITH STANDARD NUT

SPANNFUTTER MIT ZYLINDERSCHAFT MIT STANDARD SPANNMUTTER
PORTAPINZAS CILINDRICO CON TUERCA ESTANDAR
ЦАНГОВЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ СО СТАНДАРТНОЙ ГАЙКОЙ
PORTAPINZA GAMBO CILINDRICO CON GHIERA STANDARD
PORTE PINCES QUEUE CYLINDRIQUE AVEC ECROU STANDARD
带标准螺母的圆柱式弹簧夹头

DIN6499/ISO15488



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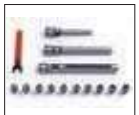
214-35759	D16L130ER16	16	130	36	32	7	1÷10	812-203005	ER16
264-35155	D16L70ER25	16	70	46	42	9	1÷16	812-203001	ER25
264-35156	D20L50ER16	20	50	31	32	11	1÷10	812-203005	ER16
214-35127	D20L100ER16	20	100	31	32	11	1÷10	812-203005	ER16
214-35770	D20L130ER16	20	130	31	32	11	1÷10	812-203005	ER16
264-35158	D20L46ER20	20	46	36	35	11	1÷13	812-203006	ER20
264-35159	D20L60ER20	20	60	36	35	11	1÷13	812-203006	ER20
264-35160	D20L100ER20	20	100	36	35	11	1÷13	812-203006	ER20
214-35119	D20L50ER25	20	50	46	42	11	1÷16	812-203001	ER25
214-35128	D20L100ER25	20	100	44	42	11	1÷16	812-203001	ER25
264-35162	D20L160ER25	20	160	46	42	11	1÷16	812-203001	ER25
264-35163	D20L50ER32	20	50	54	50	13	2÷20	812-203002	ER32
214-35129	D20L100ER32	20	100	54	50	13	2÷20	812-203002	ER32
214-35775	D25L60ER16	25	60	27	32	11	1÷10	812-203005	ER16
264-35171	D25L60ER20	25	60	28	35	13	1÷13	812-203006	ER20
214-35120	D25L50ER25	25	50	44	42	13	1÷16	812-203001	ER25
214-35782	D25L70ER25	25	70	32	42	13	1÷16	812-203001	ER25
214-35130	D25L100ER25	25	100	44	42	13	1÷16	812-203001	ER25
264-35174	D25L160ER25	25	160	32	42	13	1÷16	812-203001	ER25



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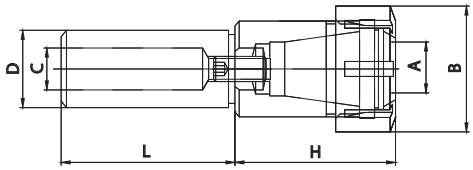
Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

D14÷D16 Shank without flat • Stelo senza piano • Mango sin plano • Zylinderschaft • Queue cylindrique • Хвостовик без лыски • 柄不带平面
D19,05÷D25 Shank with flat • Stelo con piano • Mango con plano • Zylinderschaft mit Fläche • Queue cylindrique avec plat • Хвостовик с лыской • 柄带平面

CYLINDRICAL COLLET CHUCKS WITH STANDARD NUT

SPANNFUTTER MIT ZYLINDERSCHAFT UND STANDARD SPANNMUTTER
PORTAPINZAS CILINDRICO CON TUERCA ESTANDAR
ЦАНГОВЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ СО СТАНДАРТНОЙ ГАЙКОЙ
PORTAPINZA GAMBO CILINDRICO CON GHIERA STANDARD
PORTE PINCES QUEUE CYLINDRIQUE AVEC ECROU STANDARD
带标准螺母的圆柱式弹簧夹头

DIN6499/ISO15488



CODE N.	DESCRIPTION	Dh6	L	H	B	C	CLAMPLING CAPACITY	NUT	DESCRIPTION
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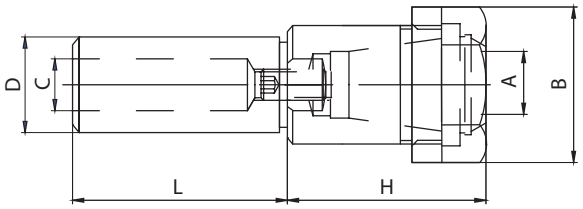
264-35176	D25L70ER32	25	70	53	50	13	2÷20	812-203002	ER32
214-35131	D25L100ER32	25	100	54	50	13	2÷20	812-203002	ER32
264-35177	D25L130ER32	25	130	54	50	13	2÷20	812-203002	ER32
214-35132	D32L70ER25	32	70	30	42	19	1÷16	812-203001	ER25
264-35743	D32L100ER25	32	100	28	42	19	1÷16	812-203001	ER25
264-35185	D32L50ER32	32	50	53	50	23	2÷20	812-203002	ER32
214-35117	D32L70ER32	32	70	53	50	23	2÷20	812-203002	ER32
264-35186	D32L100ER32	32	100	53	50	23	2÷20	812-203002	ER32
214-35133	D32L120ER32	32	120	38	50	23	2÷20	812-203002	ER32
214-35134	D32L150ER32	32	150	38	50	23	2÷20	812-203002	ER32
264-35188	D32L70ER40	32	70	60	63	23	3÷30	812-203003	ER40
264-35189	D40L70ER25	40	70	44	42	19	1÷16	812-203001	ER25
214-35136	D40L70ER32	40	70	34	50	23	2÷20	812-203002	ER32
264-35748	D40L100ER32	40	100	30	50	23	2÷20	812-203002	ER32
214-35137	D40L130ER32	40	130	34	50	23	2÷20	812-203002	ER32
214-35138	D40L80ER40	40	80	68	63	28	3÷30	812-203003	ER40
264-35191	D40L130ER40	40	130	60	63	28	3÷30	812-203003	ER40
264-35192	D50L125ER32	50	125	43	50	23	2÷20	812-203002	ER32
264-35193	D50L160ER32	50	160	32	50	23	2÷20	812-203002	ER32
264-35752	D50L125ER40	50	125	37	63	28	3÷30	812-203003	ER40

D25÷D60 Shank with flat • Stelo con piano • Mango con plano • Zylinderschaft mit Fläche • Queue cylindrique avec plat • Хвостовик с лыской • 柄不带平面

CYLINDRICAL COLLET CHUCKS WITH HEXAGONAL NUT

SPANNFUTTER MIT ZYLINDERSCHAFT MIT SECHSKANT MUTTER
PORTAPINZAS CILINDRICO CON TUERCA HEXAGONAL
ЦАНГОВЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ С ШЕСТИГРАННОЙ ГАЙКОЙ
PORTAPINZA GAMBO CILINDRICO CON GHIERA ESAGONALE
PORTE PINCES QUEUE CYLINDRIQUE AVEC ECROU EXAGONAL
带六角螺母的圆柱式弹簧夹头

DIN6499/ISO15488



CODE N.	DESCRIPTION	Dh6	L	H	B	C	CLAMPLING CAPACITY	NUT	DESCRIPTION
214-35784	D16L60ER16E	16	60	36	28	7	1÷10	812-203009	ER16
214-35795	D20L50ER16E	20	50	31	28	11	1÷10	812-203009	ER16
214-35796	D20L100ER16E	20	100	31	28	11	1÷10	812-203009	ER16
264-35714	D25L60ER20E	25	60	28	34	13	1÷13	812-203010	ER20

D14÷D16 Shank without flat • Stelo senza piano • Mango sin plano • Zylinderschaft • Queue cylindrique • Хвостовик без лыски • 柄不带平面
D19,05÷D32 Shank with flat • Stelo con piano • Mango con plano • Zylinderschaft mit Fläche • Queue cylindrique avec plat • Хвостовик с лыской • 柄带平面

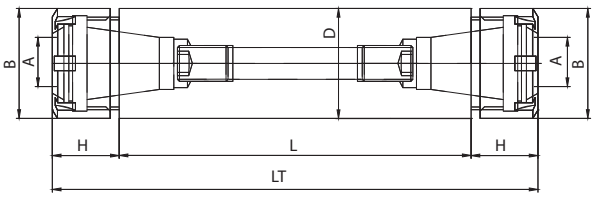
06

KINTEK

CYLINDRICAL DOUBLE COLLET CHUCKS WITH MINI NUT

SPANNFUTTER MIT ZYLINDERSCHAFT MIT MINI SPANNMUTTER
PORTAPINZAS CILINDRICO DOBLE CON TUERCA MINI
ДВУСТОРОННИЕ ЦАНГОВЫЕ ПАТРОНЫ С МИНИ-ГАЙКОЙ
PORTAPINZA DOPPI GAMBO CILINDRICO CON GHIERA MINI
PORTE PINCES QUEUE CYLINDRIQUE AVEC ECROU MINI
带微型螺母的圆柱式双弹簧夹头

DIN6499/ISO15488



CODE N.	DESCRIPTION	Dh6	L	H	LT	B	CLAMPLING CAPACITY	NUT	DESCRIPTION
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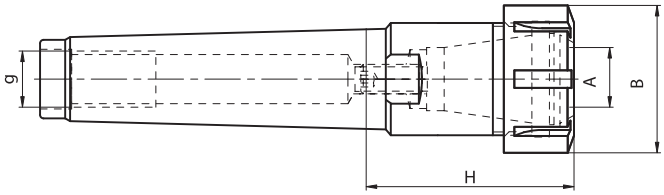
214-35705	D20L67ER16MD	20	67	21,5	110	22	1÷10	812-203013	ER16M
214-35711	D25L47ER16MD	25	47	21,5	90	22	1÷10	812-203013	ER16M
214-35713	D25L82ER20MD	25	82	24	130	28	1÷13	812-203014	ER20M
264-35758	D32L82ER20MD	32	82	24	130	28	1÷13	812-203014	ER20M

COLLET CHUCKS WITH MORSE TAPER

SPANNZANGENAUFNAHME MIT MORSEKEGEL UND ANZUGSGEWINDE
PORTAPINZAS CONO MORSE
ЦАНГОВЫЕ ПАТРОНЫ С КОНУСОМ МОРЗЕ
PORTAPINZA CON ATTACCO CONO MORSE
PORTE-OUTIL POUR SERRAGE PAR PINCE MK
莫氏锥度弹簧夹头

DIN 228-A - DIN6499/ISO15488

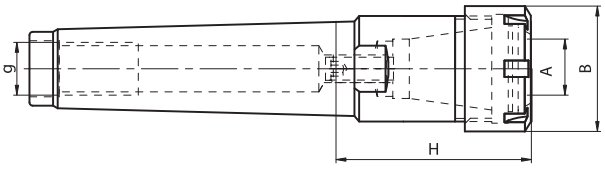


CODE N.	DESCRIPTION	MK MORSE	H	g	B	CLAMPLING CAPACITY	NUT	DESCRIPTION
214-33103	CM2H42ER16	2	42	M10	32	0,5÷10	812-203005	ER16
214-33104	CM2H50ER20	2	50	M10	35	0,5÷13	812-203006	ER20
214-33106	CM3H53ER25	3	53	M12	42	0,5÷16	812-203001	ER25
214-33107	CM3H70ER32	3	70	M12	50	2÷20	812-203002	ER32
214-33109	CM4H60ER32	4	60	M16	50	2÷20	812-203002	ER32
214-33110	CM4H81ER40	4	81	M16	63	3÷30	812-203003	ER40

COLLET CHUCKS WITH MORSE TAPER, WITH MINI NUT

SPANNZANGENAUFNAHME MIT MORSEKEGEL, ANZUGSGEWINDE UND MINI MUTTER
PORTAPINZAS CONO MORSE, CON TUERCA MINI
ЦАНГОВЫЕ ПАТРОНЫ С КОНУСОМ МОРЗЕ С МИНИ-ГАЙКОЙ
PORTAPINZA CON ATTACCO CONO MORSE, CON GHIERA MINI
PORTE-OUTIL POUR SERRAGE PAR PINCE MK, AVEC ECROU MINI
带微型螺母的莫氏锥度弹簧夹头

DIN 228-A - DIN6499/ISO15488



CODE N.	DESCRIPTION	MK MORSE	H	g	B	CLAMPLING CAPACITY	NUT	DESCRIPTION
214-33119	CM1H25ER11M	1	25	M6	16	0,5÷7	812-203012	ER11M
214-33120	CM1H40ER16M	1	40	M6	22	0,5÷10	812-203013	ER16M
214-33121	CM2H42ER16M	2	42	M10	22	0,5÷10	812-203013	ER16M
214-33122	CM2H50ER20M	2	50	M10	28	0,5÷13	812-203014	ER20M
214-33123	CM2H54ER25M	2	54	M10	35	0,5÷16	812-203015	ER25M
214-33124	CM3H43ER16M	3	43	M12	22	0.5÷10	812-203013	ER16M
214-33125	CM3H47ER20M	3	47	M12	28	0.5÷13	812-203014	ER20M
214-33126	CM3H58ER25M	3	58	M12	35	0.5÷16	812-203015	ER25M

COLLET CHUCK DIN 6327

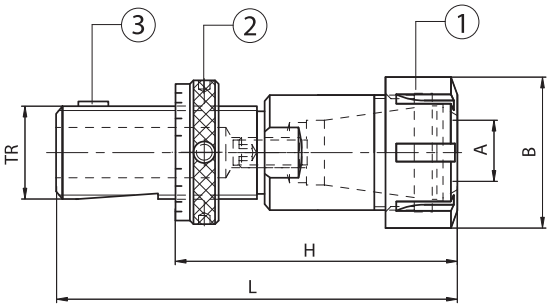
SPANNZANGENFUTTER DIN 6327 PORTAPINZE ATTACCO DIN 6327
PORTAPINZAS DIN 6327 MANDRIN A PINCES DIN 6327
ЦАНГОВЫЕ ПАТРОНЫ ПО DIN 6327 DIN 6327 弹簧夹头

DIN 6327 - DIN6499/ISO15488

CODE N.	DESCRIPTION	TR	H min.	L	B	CLAMPLING CAPACITY	TYPE
214-34307	TR28X2L140ER25	28x2	61	140	42	0,5÷16	ER25
214-34308	TR28X2L147ER32	28x2	68	147	50	2÷20	ER32
214-34310	TR36X2L165ER32	36x2	65	165	50	2÷20	ER32

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

CODE N.	NUT ❶	NUT ❷	TENON ❸
214-34302	812-203005	812-204030	814-20279
214-34303	812-203005	812-204040	814-20279
214-34306	812-203006	812-204010	814-20281
214-34307	812-203001	812-204010	814-20281
214-34308	812-203002	812-204010	814-20282
214-34310	812-203002	812-204020	814-20283
214-34311	812-203003	812-204020	814-20283



06

COMBI-SHELL MILL ADAPTORS WITH MORSE TAPER

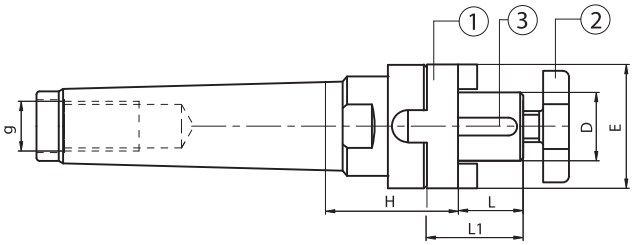
KOMBI-AUFSTECKFRÄSDORNE MIT MORSEKEGEL PORTAFRESE COMBINATI CON ATTACCO CONO MORSE
PORTAFRESAS COMBINADOS CONO MORSE MANDRINS PORTE-FRAISES A DOUBLE USAGE MK
КОМБИНИРОВАННЫЕ ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С КОНУСОМ МОРЗЕ 复合式平面铣刀弹簧夹头

DIN 228-A - DIN 6358

CODE N.	DESCRIPTION	MK MORSE	D	H	L1	L	E	g
216-13118	CM2H37D16C	2	16	37	27	17	32	M10
216-13119	CM2H42D22C	2	22	42	31	19	40	M10
216-13120	CM3H37D16C	3	16	37	27	17	32	M12
216-13121	CM3H42D22C	3	22	42	31	19	40	M12
216-13124	CM4H55D16C	4	16	55	27	17	32	M16
216-13125	CM4H55D22C	4	22	55	31	19	40	M16
216-13126	CM4H55D27C	4	27	55	33	21	48	M16

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

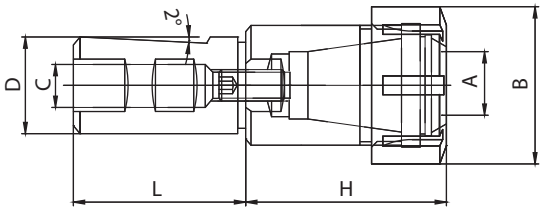
D	RING ❶	SCREW ❷	KEY ❸	WRENCH
16	814-30001	811-107003	814-201010	816-130002
22	814-30002	811-107004	814-201020	816-130003
27	814-30003	811-107005	814-201030	816-130004
32	814-30004	811-107006	814-201040	816-130005
40	814-30005	811-107007	814-201050	816-130006



WELDON COLLET CHUCKS WITH STANDARD NUT

SPANNFUTTER MIT ZYLINDERSCHAFT MIT STANDARD SPANNMUTTER PORTAPINZA GAMBO WELDON CON GHIERA STANDARD
PORTAPINZAS WELDON CON TUERCA ESTANDAR PORTE PINCES QUEUE WELDON AVEC ECROU STANDARD
ЦАНГОВЫЕ ПАТРОНЫ С ХВОСТОВИКОМ WELDON СО СТАНДАРТНОЙ ГАЙКОЙ 带标准螺母的威尔登式弹簧夹头

DIN6499/ISO15488

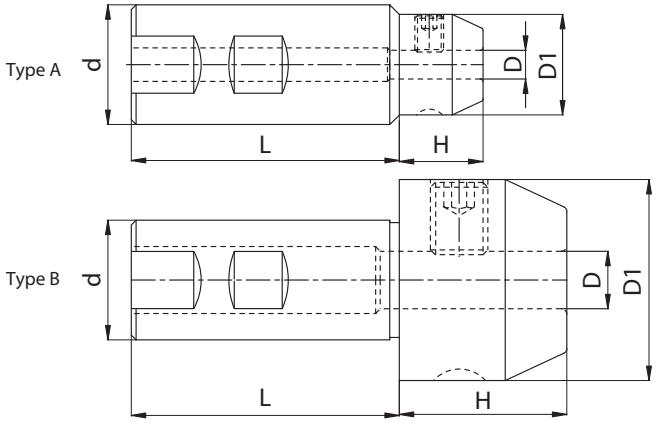


CODE N.	DESCRIPTION	Dh6	L	H	B	C	CLAMPLING CAPACITY	NUT	DESCRIPTION
214-35216	WE25H55ER32	25	56	55	50	13	2÷20	812-203002	ER32
214-35217	WE25H100ER32	25	56	100	50	13	2÷20	812-203002	ER32
214-35218	WE32H55ER32	32	60	55	50	23	2÷20	812-203002	ER32

WELDON REDUCTION SLEEVES

WELDON REDUZIERHÜLSEN BUSSOLE DI RIDUZIONE WELDON
CASQUILLOS DE REDUCCION WELDON DOUILLES DE REDUCTION WELDON
ПЕРЕХОДНИКИ WELDON НА УМЕНЬШЕНИЕ 威尔登式铣刀套

DIN 1835 B

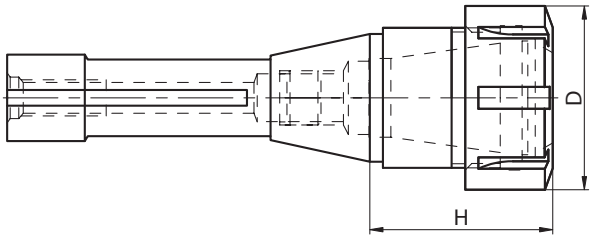


CODE N.	DESCRIPTION	d	D	H	L	DI	TYPE
213-15203	WE20H30WE06	20	6	30	50	25	B
213-15204	WE20H30WE08	20	8	30	50	28	B
213-15205	WE20H30WE10	20	10	30	50	35	B
213-15206	WE20H35WE12	20	12	35	50	42	B
213-15208	WE20H60WE16	20	16	60	50	48	B
213-15209	WE25H25WE06	25	6	25	56	25	A
213-15210	WE25H30WE08	25	8	30	56	28	B
213-15211	WE25H30WE10	25	10	30	56	35	B
213-15212	WE25H35WE12	25	12	35	56	42	B
213-15214	WE25H40WE16	25	16	40	56	48	B
213-15216	WE32H30WE08	32	8	30	60	28	A
213-15217	WE32H30WE10	32	10	30	60	35	B
213-15218	WE32H35WE12	32	12	35	60	42	B
213-15220	WE32H40WE16	32	16	40	60	48	B
213-15222	WE32H40WE20	32	20	40	60	52	B
213-15223	WE32H65WE25	32	25	65	60	65	B

COLLET CHUCK BRIDGEPORT R8

SPANNZANGENFUTTER BRIDGEPORT R8 PORTAPINZE ATTACCO BRIDGEPORT R8
PORTAPINZAS BRIDGEPORT R8 MANDRINS A PINCES BRIDGEPORT R8
ЦАНГОВЫЕ ПАТРОНЫ БРИДЖПОРТ R8 R8 弹簧夹头桥路端口

DIN 1835 B - DIN6499/ISO15488

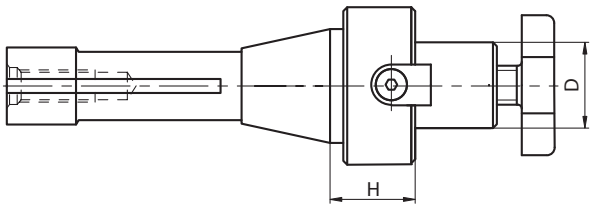


CODE N.	DESCRIPTION	H	D	CLAMPLING CAPACITY	TYPE	NUT
214-36401	R8H40ER32	40	50	2÷20	ER32	812-203002
214-36402	R8H73ER40	73	63	3÷30	ER40	812-203003

MILL HOLDERS-TENONS DRIVE BRIDGEPORT R8

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT BRIDGEPORT R8 PORTAFRESE A TRASCINAMENTO FISSO BRIDGEPORT R8
PORTAFRESAS BRIDGEPORT R8 PORTE-FRAISE-ENTRAINEMENT PAR TENONS BRIDGEPORT R8
ОПРАВКИ БРИДЖПОРТ R8 ДЛЯ НАСАДНЫХ ФРЕЗ R8 铣刀夹具 – 凸榫驱动桥路端口

DIN 1835 B - ISO 3937



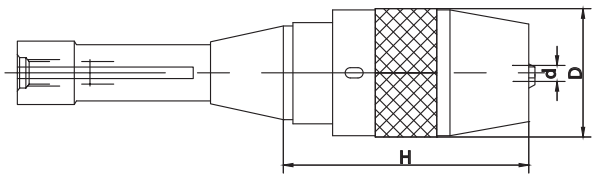
CODE N.	DESCRIPTION	D	H
216-76401	R8H19D16F	16	19
216-76402	R8H23D22F	22	23
216-76403	R8H23D27F	27	23
216-76404	R8H24D32F	32	24

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

MONOLITHIC DRILL CHUCKS - RIGHT SPIN

PRÄZISIONSBOHRFUTTER - RECHTSLAUF MANDRINI AUTOSERRANTI INTEGRALI – ROTAZIONE DESTRA
CONOS PORTABROCAS UNIVERSALES MANDRINS DE PERCAGE - ROTATION DROITE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ. ВРАЩЕНИЕ ПО ЧАСОВОЙ СТРЕЛКЕ. 合成钻夹头-右旋转

BRIDGEPORT R8



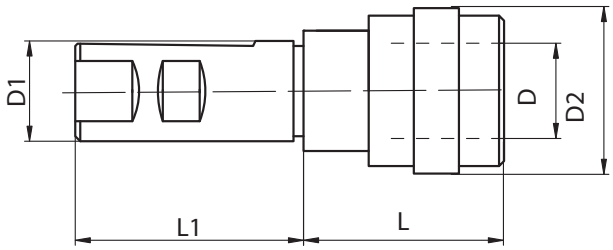
RUNOUT ACCURACY 0.05 MM
PRECISIONE DI ROTAZIONE 0.05 MM
PRECISION DE ROTACION 0.05 MM
PRECISION DE ROTATION 0.05 MM
RUNDLAUFGENAUIGKEIT 0.05 MM
БИЕНИЕ 0.05 MM
跳动精度0.05MM

CODE N.	DESCRIPTION	H	D	CLAMPLING CAPACITY	TYPE
252-16401	R8H81R1-13	81	50	1-13	816-111024

CYLINDRICAL TAP CHUCKS

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LANGENAUSGLEICH MIT ZYLINDERSCHAFT
MASCHIATORE A DOPPIA COMPENSAZIONE CON CODOLO CILINDRICO
ROSCADOR CON DOBLE COMPENSACION CON TIRANTE CILINDRICO
MANDRIN DE TARAUDAGE AVEC QUEUE CYLINDRIQUE
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ
筒式丝锥夹头

DIN 1835 B+E

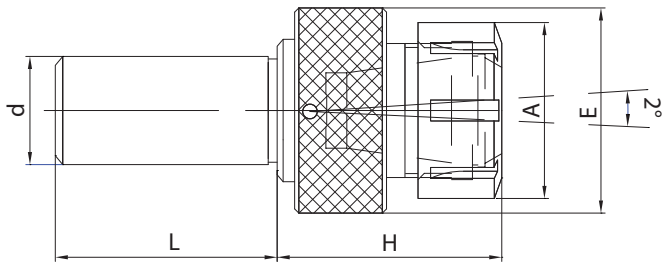


CODE N.	DESCRIPTION	D1	SIZE	TOP RANGE	D	D2	L	L1	COMP	EXT
M401020	M3-M12CIL.D20GR1	20	1	M3÷M12	19	38	41	50	9	9
M401025	M3-M12CIL.D25GR1	25	1	M3÷M12	19	38	41	56	9	9
M401032	M3-M12CIL.D32GR1	32	1	M3÷M12	19	38	41	61	9	9
M401040	M3-M12CIL.D40GR1	40	1	M3÷M12	19	38	41	72	9	9
* M402020	M6-M20CIL.D20GR2	20	2	M6÷M20	31	55	63	75	15	15
M402025	M6-M20CIL.D25GR2	25	2	M6÷M20	31	55	63	56	15	15
M402032	M6-M20CIL.D32GR2	32	2	M6÷M20	31	55	63	61	15	15
M402040	M6-M20CIL.D40GR2	40	2	M6÷M20	31	55	63	72	15	15
M403032	M14-M33CIL.D32GR3	32	3	M14÷M33	48	79	109	61	24	24
M403040	M14-M33CIL.D40GR3	40	3	M14÷M33	48	79	98	72	24	24

* NOT AS STANDAR DIN 1835 B+E - NON A NORMA DIN 1835 B+E

FLOATING TOOLHOLDERS FOR RD/ER COLLETS

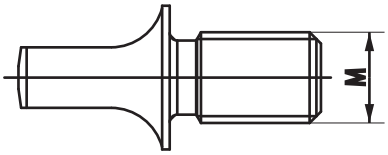
PENDELHALTER PORTA ALESATORI OSCILLANTE
PORTAPINZAS FLOTANTES CON PINZAS ER PORTE-OUTILS FLOTTANTS A PINCES RD/ER
ПЛАВАЮЩИЕ ПАТРОНЫ ДЛЯ RD/ER ЦАНГ RD/ER 弹簧夹头筒夹浮动刀柄



CODE N.	D	L	H	D1	ER	E
832-021184	16	46	40	2-7	ER11	40
832-021185	25	46	48	2-13	ER20	40
832-021186	25	46	50	2-16	ER25	61
832-021187	25	50	58	3-20	ER32	61

TENONS

MK AUFNAHMESCHAFT TENONI
ESPIGAS TONQUES
ШПИЛЬКИ 凸榫

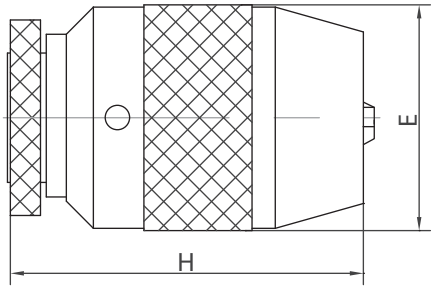


TYPE	M
TENONE CM1	M6
TENONE CM2	M10
TENONE CM3	M12
TENONE CM4	M16
TENONE CM5	M20

KEYLESS DRILL CHUCKS

SCHNELLSPANNBOHRFUTTER MANDRINI AUTOSERRANTI
CONOS PORTABROCAS MANDRINS PORTE-FORET A SERRAGE RAPIDE
САМОЗАЖИМНЫЕ СВЕРЛИЛЬНЫЕ ПАТРОНЫ 自紧式钻夹头

BRIDGEPORT R8



CODE N.	TYPE	CLAMPING CAPACITY	H	E	WRENCH	JAWS
252-16608	B16-DC13	0 – 13	90	51	816-111024	832-012017
252-16609	B16-DC16	3 – 16	94	57	816-111025	832-012019
252-16610	B18-DC16	3 – 16	94	57	816-111025	832-012019

RUNOUT ACCURACY 0.07 MM
PRECISIONE DI ROTAZIONE 0.07 MM
PRECISION DE ROTACION 0.07 MM
RUNDLAUFGENAUIGKEIT 0.07 MM
PRECISION DE ROTATION 0.07 MM
БИЕНИЕ 0.07 MM
跳动精度0.07MM

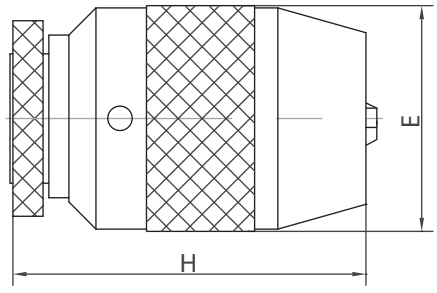
06

KINTEK

KEYLESS PRECISION DRILL CHUCKS

PRAZISIONS SCHNELLSPANNBOHRFUTTER MANDRINI AUTOSERRANTI DI ALTA PRECISIONE
CONOS PORTABROCAS DE ALTA PRECISION MANDRINS PORTE-FORET A SERRAGE RAPIDE
САМОЗАЖИМНЫЕ ПРЕЦИЗИОННЫЕ СВЕРЛИЛЬНЫЕ ПАТРОНЫ 自紧式精密钻夹头

BRIDGEPORT R8



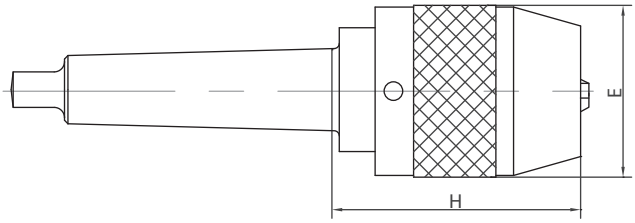
CODE N.	TYPE	CLAMPING CAPACITY	H	E	WRENCH	JAWS
252-16617	B16-DC13 Precision	0 – 13	90	51	816-111024	832-012020
252-16618	B16-DC16 Precision	3 – 16	95	57	816-111025	832-012021
252-16619	B18-DC16 Precision	3 – 16	95	57	816-111025	832-012021

RUNOUT ACCURACY ≤0.05 MM
PRECISIONE DI ROTAZIONE ≤0.05 MM
PRECISION DE ROTACION ≤ 0.05 MM
RUNDLAUFGENAUIGKEIT ≤0.05 MM
PRECISION DE ROTATION ≤0.05 MM
БИЕНИЕ ≤0.05 MM
跳动精度不大于0.05MM

MONOLITHIC DRILL CHUCKS - RIGHT SPIN

PRÄZISIONSBOHRFUTTER - RECHTSLAUF
CONOS PORTABROCAS UNIVERSALES – ROTACION A DERECHA
ПРЕЦИЗИОННЫЕ СВЕРЛИЛЬНЫЕ ПАТРОНЫ - ВРАЩЕНИЕ ВПРАВО
MANDRINI AUTOSERRANTI INTEGRALI - ROTAZIONE DESTRA
MANDRINS DE PERCAGE - ROTATION DROITE
整体式钻夹头-右旋

DIN 228-B

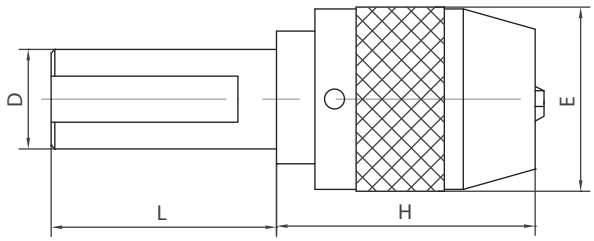


CODE N.	TYPE	CLAMPING CAPACITY	H	E	WRENCH
252-13301	CM2-DC13	1 – 13	86	50	816-111024
252-13302	CM3-DC13	1 – 13	86	50	816-111024
252-13303	CM3-DC16	3 – 16	90	57	816-111025
252-13304	CM4-DC13	1 – 13	87	50	816-111024
252-13305	CM4-DC16	3 – 16	91	57	816-111025

RUNOUT ACCURACY 0.05 MM
PRECISIONE DI ROTAZIONE 0.05 MM
PRECISION DE ROTACION 0.05 MM
RUNDLAUFGENAUIGKEIT 0.05 MM
PRECISION DE ROTATION 0.05 MM
БИЕНИЕ 0.05 MM
跳动精度不大于0.05MM

STRAIGHT SHANK MONOLITHIC DRILL CHUCKS - RIGHT SPIN

SCHNELLSPANNBOHRFUTTER MIT ZYLINDERSCHAFT - RECHTSLAUF
CONOS PORTABROCAS UNIVERSALES CON MANGO CILINDRICO – ROTACION A DERECHA
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ ВРАЩЕНИЕ ВПРАВО
MANDRINI AUTOSERRANTI INTEGRALI CON ATTACCO CILINDRICO - ROTAZIONE DESTRA
MANDRINS DE PERCAGE AVEC QUEUE CYLINRIQUE - ROTATION DROITE
整体式钻夹头-右旋

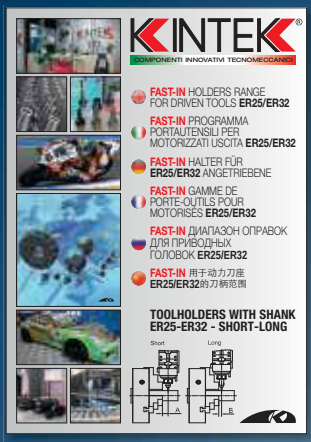


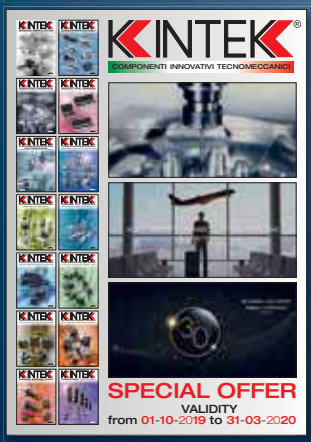
CODE N.	TYPE	CLAMPING CAPACITY	H	E	L	WRENCH
252-15701	D20-DC13	1 – 13	81	50	60	816-152001
252-15702	D25-DC13	1 – 13	81	50	80	816-152001
252-15703	D32-DC13	1 – 13	81	50	60	816-152001
252-15705	D40-DC13	1 – 13	81	50	70	816-152001
252-15706	D40-DC16	3 – 16	85	57	70	816-152001

RUNOUT ACCURACY 0.05 MM
PRECISIONE DI ROTAZIONE 0.05 MM
PRECISION DE ROTACION 0.05 MM
RUNDLAUFGENAUIGKEIT 0.05 MM
PRECISION DE ROTATION 0.05 MM
БИЕНИЕ 0.05 MM
跳动精度不大于0.05MM

KINTEK®

INNOVATIVE TECHNOMECHANICAL COMPONENTS





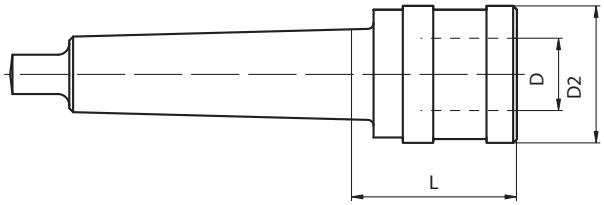
KINTEK s.r.l.
Via Goretta 88/G - 10079 MAPPANO - (TO) - ITALY
Tel. +39 011 99 68 065 - Fax +39 011 99 65 662
e-mail: info@kintek.it
http://www.kintek.it

QUICK CHANGE TAP HOLDER WITH MORSE TAPER SHANK

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LÄNGENAUSGLEICH UND MORSEKEGELSCHAFT
ROSCADOR DE DOBLE COMPENSACION CONO MORSE
БЫСТРОСМЕННЫЕ РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОНУСОМ МОРЗЕ С ЛАПКОЙ

MASCHIATORE A DOPPIA COMPENSAZIONE ATTACCO CONO MORSE
MANDRIN DE TARAUDAGE CONE MORSE A CHANGEMENT RAPIDE
快换丝锥夹头带莫氏锥柄

DIN 228-B



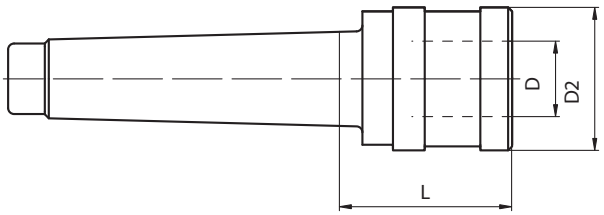
CODE N.	DESCRIPTION	SIZE	TOP RANGE	PRESS	EXT	Mk MORSE	D	D2	L
M-1810	M3-M12CM2BGR1	1	M3÷M12	9	9	2	19	38	46
M-1820	M3-M12CM3BGR1	1	M3÷M12	9	9	3	19	38	46
M-1920	M6-M20CM3BGR2	2	M6÷M20	15	15	3	31	55	69
M-1930	M6-M20CM4BGR2	2	M6÷M20	15	15	4	31	55	70
M-2030	M14-M33CM4BGR3	3	M14÷M33	24	24	4	48	79	108
M-2040	M14-M33CM5BGR3	3	M14÷M33	24	24	5	48	79	103

QUICK CHANGE TAP HOLDER WITH MT SHANK

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LÄNGENAUSGLEICH UND MORSEKEGELSCHAFT
ROSCADOR DE DOBLE COMPENSACION CONO MORSE
БЫСТРОСМЕННЫЕ РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОНУСОМ МОРЗЕ С РЕЗЬБОЙ

MASCHIATORE A DOPPIA COMPENSAZIONE ATTACCO CONO MORSE
MANDRIN DE TARAUDAGE CONE MORSE A CHANGEMENT RAPIDE
快换丝锥夹头带MT柄

DIN 228-A

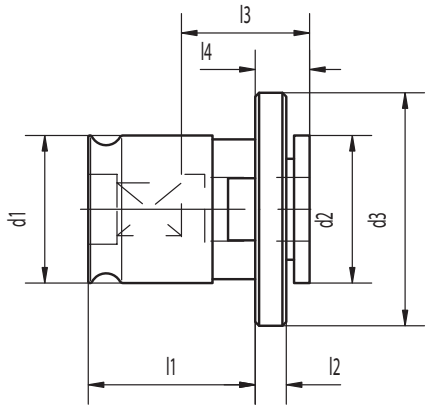


CODE N.	DESCRIPTION	SIZE	TOP RANGE	PRESS	EXT	Mk MORSE	D	D2	L
M-2210	M3-M12CM2AGR1	1	M3÷M12	9	9	2	19	36	46
M-2220	M3-M12CM3AGR1	1	M3÷M12	9	9	3	19	36	46
M-2320	M6-M20CM3AGR2	2	M6÷M20	15	15	3	31	53	68
M-2330	M6-M20CM4AGR2	2	M6÷M20	15	15	4	31	53	70

QUICK CHANGE TAPPING ADAPTERS WITHOUT SAFETY COUPLING

SCHNELLWECHSELEINSÄTZE OHNE SICHERHEITSKUPPLUNG
PINZA DE CAMBIO RAPIDO SIN EMBRAGUE
БЫСТРОСМЕННЫЕ РЕЗЬБОНАРЕЗНЫЕ АДАПТЕРЫ БЕЗ ПРЕДОХРАНЯЮЩЕЙ МУФТЫ
BUSSOLA PER MASCHIARE SENZA FRIZIONE
ADAPTEURS A CHANGEMENT RAPIDE SANS COUPLAGE DE SECURITE
快换丝锥接头不带安全连接器

IBC

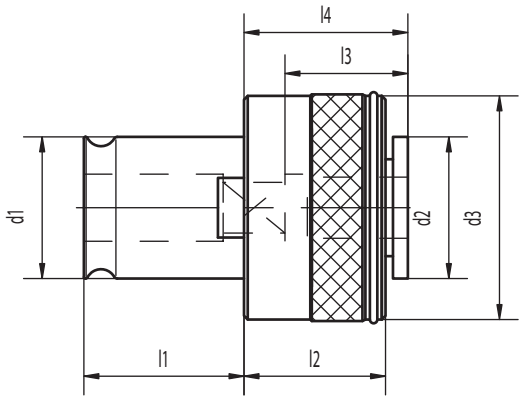


	CODE N.	TOP SHANK	⊠	SIZE	l1	l2	l3	l4	d1	d2	d3
IBC 1	IBC1-2,80	2,8	2,1	1	21,5	4	17	7	19	19	30
	IBC1-3,15	3,15	2,5	1	21,5	4	17	7	19	19	30
	IBC1-3,50	3,5	2,7	1	21,5	4	17	7	19	19	30
	IBC1-4,0	4	3	1	21,5	4	17	7	19	19	30
	IBC1-4,0	4	3,15	1	21,5	4	17	7	19	19	30
	IBC1-4,5	4,5	3,4	1	21,5	4	17	7	19	19	30
	IBC1-5,0	5	4	1	21,5	4	17	7	19	19	30
	IBC1-5,5	5,5	4,3	1	21,5	4	17	7	19	19	30
	IBC1-6,0	6	4,9	1	21,5	4	17	7	19	19	30
	IBC1-6,3	6,3	5	1	21,5	4	17	7	19	19	30
	IBC1-7,0	7	5,5	1	21,5	4	17	7	19	19	30
	IBC1-8,0	8	6,2	1	21,5	4	17	7	19	19	30
	IBC1-8,0	8	6,3	1	21,5	4	17	7	19	19	30
	IBC1-9,0	9	7	1	21,5	4	17	7	19	19	30
	IBC1-10	10	8	1	21,5	4	17	7	19	19	30
	IBC1-11	11	9	1	21,5	4	17	7	19	19	30
	IBC1-12	12	9	1	21,5	4	17	7	19	19	30
IBC 2	IBC2-6,0	6	4,9	2	35	5	30	11	31	30	48
	IBC2-6,5	6,3	5	2	35	5	30	11	31	30	48
	IBC2-7,0	7	5,5	2	35	5	30	11	31	30	48
	IBC2-8,0	8	6,2	2	35	5	30	11	31	30	48
	IBC2-9,0	9	7	2	35	5	30	11	31	30	48
	IBC2-10	10	8	2	35	5	30	11	31	30	48
	IBC2-11	11	9	2	35	5	30	11	31	30	48
	IBC2-12	12	9	2	35	5	30	11	31	30	48
	IBC2-12,5	12,5	10	2	35	5	30	11	31	30	48
	IBC2-14	14	11	2	35	5	30	11	31	30	48
	IBC2-16	16	12	2	35	5	30	11	31	30	48
	IBC2-16	16	12,5	2	35	5	30	11	31	30	48
	IBC2-18	18	14,5	2	35	5	30	11	31	30	48
	IBC2-20	20	16	2	35	5	30	11	31	30	48
IBC 3	IBC3-11	11	9	3	55,5	6	44	14	48	48	70
	IBC3-12	12	9	3	55,5	6	44	14	48	48	70
	IBC3-14	14	11	3	55,5	6	44	14	48	48	70
	IBC3-16	16	12	3	55,5	6	44	14	48	48	70
	IBC3-18	18	14,5	3	55,5	6	44	14	31	30	70
	IBC3-20	20	16	3	55,5	6	44	14	48	48	70
	IBC3-22	22	18	3	55,5	6	44	14	48	48	70
	IBC3-25	25	20	3	55,5	6	44	14	48	48	70
	IBC3-28	28	22	3	55,5	6	44	14	48	48	70
	IBC3-32	32	24	3	55,5	6	44	14	48	48	70
	IBC3-36	36	29	3	5,55	6	44	14	48	48	70

QUICK CHANGE TAPPING ADAPTERS WITH SAFETY COUPLING

SCHNELLWECHSELEINSÄTZE MIT SICHERHEITSKUPPLUNG
PINZA DE CAMBIO RAPIDO CON EMBRAGUE
БЫСТРОСМЕННЫЕ РЕЗЬБОНАРЕЗНЫЕ АДАПТЕРЫ С ПРЕДОХРАНЯЮЩЕЙ МУФТОЙ
BUSSOLA PER MASCHIARE CON FRIZIONE
ADAPTEURS A CHANGEMENT RAPIDE AVEC COUPLAGE DE SECURITE
快换丝锥接头带安全连接器

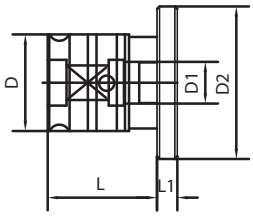
IBS



	CODE N.	TOP SHANK	⊠	SIZE	l1	l2	l3	l4	d1	d2	d3
IBS 1	IBS1-3,5	3,5	2,7	1	21,5	25	17	25	19	19	32
	IBS1-4,5	4,5	3,4	1	21,5	25	17	25	19	19	32
	IBS1-5,5	5,5	4,3	1	21,5	25	17	25	19	19	32
	IBS1-6	6	4,9	1	21,5	25	17	25	19	19	32
	IBS1-7	7	5,5	1	21,5	25	17	25	19	19	32
	IBS1-8	8	6,2	1	21,5	25	17	25	19	19	32
	IBS1-9	9	7	1	21,5	25	17	25	19	19	32
	IBS1-10	10	8	1	21,5	25	17	25	19	19	32
	IBS1-11	11	9	1	21,5	25	17	25	19	19	32
IBS 2	IBS2-6	6	4,9	2	35	31	30	34	31	30	50
	IBS2-7	7	5,5	2	35	31	30	34	31	30	50
	IBS2-8	8	6,2	2	35	31	30	34	31	30	50
	IBS2-9	9	7	2	35	31	30	34	31	30	50
	IBS2-10	10	8	2	35	31	30	34	31	30	50
	IBS2-11	11	9	2	35	31	30	34	31	30	50
	IBS2-12	12	9	2	35	31	30	34	31	30	50
	IBS2-14	14	11	2	35	31	30	34	31	30	50
	IBS2-16	16	12	2	35	31	30	34	31	30	50
	IBS2-18	18	14,5	2	35	31	30	34	31	30	50
IBS 3	IBS3-11	11	9	3	55,5	41	44	45	48	48	72
	IBS3-12	12	9	3	55,5	41	44	45	48	48	72
	IBS3-14	14	11	3	55,5	41	44	45	48	48	72
	IBS3-16	16	12	3	55,5	41	44	45	48	48	72
	IBS3-18	18	14,5	3	55,5	41	44	45	48	48	72
	IBS3-20	20	16	3	55,5	41	44	45	48	48	72
	IBS3-22	22	18	3	55,5	41	44	45	48	48	72
	IBS3-25	25	20	3	55,5	41	44	45	48	48	72
	IBS3-28	28	22	3	55,5	41	44	45	48	48	72

REDUCTIONS FROM ADAPTER TO ADAPTER

REDUZIERUNGEN FÜR EINSÄTZE
REDUCCIONES PARA PINZAS
ПЕРЕХОДНИКИ К АДАПТЕРАМ
RIDUZIONI DA BUSSOLA A BUSSOLA
REDUCTIONS POUR ADAPTEURS
接头与接头之间的缩小

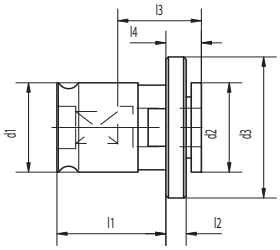


CODE N.	D	D1	D2	L	L1
IBC1/0	19	13	30	21,5	4
IBC2/1	31	19	48	35	5
IBC3/2	48	31	70	55,5	6

QUICK CHANGE TAPPING ADAPTERS WITHOUT SAFETY COUPLING

SCHNELLWECHSELEINSÄTZE OHNE SICHERHEITSKUPPLUNG
PINZA DE CAMBIO RAPIDO SIN EMBRAGUE
БЫСТРОСМЕННЫЕ РЕЗЬБОНАРЕЗНЫЕ АДАПТЕРЫ БЕЗ ПРЕДОХРАНЯЮЩЕЙ МУФТЫ
BUSSOLA PER MASCHIARE SENZA FRIZIONE
ADAPTEURS A CHANGEMENT RAPIDE SANS COUPLAGE DE SECURITE
快换丝锥接头不带安全连接器

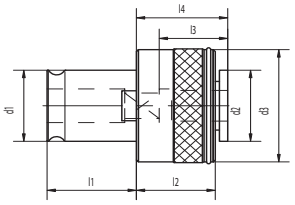
JIS Normative



	CODE N.	TOP SHANK	⊠	SIZE	l1	l2	l3	l4	d1	d2	d3
IBC 1	IBC1-4X3.2	4	3,2	1	21,5	4	17	7	19	19	30
	IBC1-5.5X4.5	5,5	4,5	1	21,5	4	17	7	19	19	30
	IBC1-5X4	5	4	1	21,5	4	17	7	19	19	30
	IBC1-6X4.5	6	4,5	1	21,5	4	17	7	19	19	30
	IBC1-6.2X5	6,2	5	1	21,5	4	17	7	19	19	30
	IBC1-8.5X6.5	8,5	6,5	1	21,5	4	17	7	19	19	30
	IBC1-10.5X8	10,5	8	1	21,5	4	17	7	19	19	30

QUICK CHANGE TAPPING ADAPTERS WITH SAFETY COUPLING

SCHNELLWECHSELEINSÄTZE MIT SICHERHEITSKUPPLUNG
PINZA DE CAMBIO RAPIDO CON EMBRAGUE
БЫСТРОСМЕННЫЕ РЕЗЬБОНАРЕЗНЫЕ АДАПТЕРЫ С ПРЕДОХРАНЯЮЩЕЙ МУФТОЙ
BUSSOLA PER MASCHIARE CON FRIZIONE
ADAPTEURS A CHANGEMENT RAPIDE AVEC COUPLAGE DE SECURITE
快换丝锥接头带安全连接器



JIS Normative

	CODE N.	TOP SHANK	⊠	SIZE	l1	l2	l3	l4	d1	d2	d3
IBS 1	IBS1-4X3.2	4	3,2	1	21,5	25	17	25	19	19	32
	IBS1-5.5X4.5	5,5	4,5	1	21,5	25	17	25	19	19	32
	IBS1-6X4.5	6	4,5	1	21,5	25	17	25	19	19	32
	IBS1-6.2X5	6,2	5	1	21,5	25	17	25	19	19	32
	IBS1-8.5X6.5	8,5	6,5	1	21,5	25	17	25	19	19	32
IBS 2	IBS2-6X4.5	6	4,5	2	35	31	30	34	31	30	50
	IBS2-6.2X5	6,2	5	2	35	31	30	34	31	30	50
	IBS2-8.5X6.5	8,5	6,5	2	35	31	30	34	31	30	50
	IBS2-10.5X8	10,5	8	2	35	31	30	34	31	30	50
	IBS2-12.5X10	12,5	10	2	35	31	30	34	31	30	50
	IBS2-15X12	15	12	2	35	31	30	34	31	30	50
	IBS2-17X13	17	13	2	35	31	30	34	31	30	50
	IBS2-19X15	19	15	2	35	31	30	34	31	30	50

TECHNICAL INFORMATIONS

TECHNISCHE DATEN
INFORMACION TECNICA
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ
INFORMAZIONI TECNICHE
DONNÉES TECHNIQUES
技术信息

- The calibration values shown in the table are the average values produced during testing. Alternative calibration values should be requested when placing the order.
- I valori in tabella sono quelli realizzati in fase di montaggio. Per tarature diverse siete pregati di farne richiesta al momento dell'ordine.
- Mit den hier aufgeführten Werten sind alle unsere SWE's voreigestellt. Sollten Sie einmal eine andere Einstellung wünschen, so wollen Sie dies bitte bei Bestellung aufgeben.
- Los valores de la tabla son los valores realizados en fase de montaje. Para calibraciones diferentes tienen que especificarlo en fase de pedido.
- Les valeurs de tarage indiqués sur le tableau sont les valeurs réalises pendant le montage. Pour tarages differents est necessaire l'indiquer sur la commande.
- Значения по калибровке, указанные в таблице, являются усредненными, полученными во время тестирования. Если нужны другие значения, указывайте при заказе.
- 表格中显示的校对数值是测量中产生的平均值。如需其他校对值可在下单时提出要求。

TAP MASCHIO	TORQUE - MOMENTO TORCENTE Nm				
	IBS 0	IBS 1	IBS 2	IBS 3	IBS 4
M2	0,6	0,6	-	-	-
M3	1	1	-	-	-
M3,5	1,5-2	1,5-2	-	-	-
M4	1,8-3	1,8-3	-	-	-
M5	3,5-5,5	3,5-5,5	-	-	-
M6-M7	5,5-9	5,5-9	5,5-9	-	-
M8-M9	14-18	14-18	14-18	-	-
M10-M11	21-25	21-25	21-25	-	-
M12	21-25	33-39	33-39	33-39	-
M14	-	45-50	45-50	45-50	-
M16	-	45-50	50-57	45-50	-
M18	-	-	80-87	80-87	-
M20	-	-	90-100	90-100	90-100
M22	-	-	100-110	100-110	100-110
M24	-	-	100-110	140-150	140-150
M27	-	-	-	150-160	150-160
M30	-	-	-	240-250	240-250
M33	-	-	-	260-270	260-270
M36	-	-	-	260-270	350-400
M39	-	-	-	260-270	380-430
M42	-	-	-	-	500-550
M45	-	-	-	-	550-600
M48	-	-	-	-	630-680
M52	-	-	-	-	-

TECHNICAL INFORMATIONS

TECHNISCHE DATEN INFORMAZIONI TECNICHE
INFORMACION TECNICA DONNÉES TECHNIQUES
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ 技术信息

TAP SHANK DIMENSION ISO 529 - 1975

Dimension Dia. x Square	Metric		UNC		UNF		BSW		BSF		BA	
		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged		Shank dia. enlarged
3.15 x 2.5	M4	M3	-	No. 4-40	-	No. 4-48	-	-	-	-	-	No. 5
	-	-	No. 8-32	No. 5-40	No. 8-36	No. 5-44	-	-	-	-	No. 3	-
3.55 x 2.8	M 4.5	M 3.5	No. 10-24	No. 6-32	No. 10-32	No. 6-40	3/16"-24	-	3/16"-32	-	No. 2	No. 4
4 x 3.15	M 5	M 4	No. 12-24	-	No. 12-28	-	-	-	7/32"-28	-	No. 1	-
4.5 x 3.55	M 6	-	1/4"-20	No. 8-32	1/4"-28	No. 3-36	1/4"-20	-	1/4"-26	-	No. 0	No. 3
5 x 4	-	M 5	-	No. 10-24	-	No. 10-32	-	3/16"-24	-	3/16"-32	-	No. 2
5.6 x 4.5	-	-	-	No. 12-24	-	No. 12-28	-	-	9/32"-26	7/32"-28	-	No. 1
6.3 x 5	M 8	M 6	5/16"-18	1/4"-20	5/16"-24	1/4"-28	5/16"-18	1/4"-20	5/16"-22	1/4"-26	-	No. 0
7.1 x 5.6	-	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	9/32"-36	-	-
8 x 6.3	M 10	M 8	7/16"-14	5/16"-18	7/16"-20	-	7/16"-14	5/16"-18	7/16"-18	5/16"-22	-	-
9 x 7.1	M 12	-	1/2"-13	-	1/2"-20	-	1/2"-12	-	1/2"-12	-	-	-
10 x 8	-	M 10	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	-	-
11.2 x 9	M 14	-	9/16"-12	-	9/16"-18	-	9/16"-12	-	9/16"-16	-	-	-
12.5 x 10	M 16	-	5/8"-11	-	5/8"-18	-	5/8"-11	-	3/8"-14	-	-	-
14 x 11.2	M 18	-	3/4"-10	-	3/4"-16	-	11/16"-11	-	11/16"-14	-	-	-
	M 20	-	-	-	-	-	3/4"-10	-	3/4"-12	-	-	-
16 x 12.5	M 22	-	7/8"-9	-	7/8"-14	-	7/8"-9	-	7/8"-11	-	-	-
18 x 14	M 24	-	1"-8	-	1"-12	-	1"-8	-	1"-10	-	-	-
20 x 16	M 27	-	1 1/8"-7	-	1 1/8"-12	-	1 1/8"-7	-	1 1/8"-9	-	-	-
	M 30	-	-	-	-	-	-	-	-	-	-	-
22.4 x 18	M 33	-	1¼"-4	-	1¼"-12	-	1¼"-7	-	1¼"-9	-	-	-
25 X 20	M 36	-	1 3/8"-6	-	1 3/8"-12	-	-	-	1 3/8"-8	-	-	-
28 x 22.4	M 39	-	1½"-6	-	1½"-12	-	1½"-6	-	1½"-8	-	-	-
	M 42	-	-	-	-	-	-	-	1 5/8"-8	-	-	-
31.5 x 25	M 45	-	1 3/4"-5	-	-	-	1 3/4"-5	-	1 3/4"-7	-	-	-
	M 48	-	-	-	-	-	-	-	-	-	-	-

Tap Shank Dimension DIN

Dimension Dia. x Square	DIN 352	DIN 353	DIN 371	DIN 374	DIN 376	DIN 2182	DIN 2183
3.5 x 2.7	M 3	-	M 3	M 5	M 5	1/8"	-
4 x 3	M 4	-	M 3.5	-	-	-	-
4.5 x 3.4	M 4	-	M 4	M 6	M 6	5/32"	1/4"
6 x 4.9	M 5	-	M 5	-	-	7/32"	-
	M 6	-	M 6	-	-	-	-
	M 8	-	-	M 8	M 8	-	-
7 x 5.5	M 10	G 1/8"	-	M 10	M 10	1/4"	3/8"
8 x 6.2	-	-	M 8	-	-	5/16"	7/16"
9 x 7	M 12	-	-	M 12	M 12	3/8"	1/2"
10 x 8	-	-	M 10	-	-	-	-
11 x 9	M 14	G 1/4"	-	M14	M 14	-	9/16"
12 X 9	M 16	G 3/8"	-	M 16	M 16	-	5/8"
14 X 11	M 18	-	-	M 18	M 18	-	11/16"
16 X 12	M 20	G 1/2"	-	M 20	M 20	-	13/16"
18 x 14.5	M 22	G 5/8:	-	M 22	M 22	-	7/8"
	M 24	-	-	M 24	M 24	-	15/16"
20 x 16	M 27	G 3/4"	-	M 27	M 27	-	1"
22 x 18	M 30	G 7/8"	-	M 30	M 30	-	1 1/8"
25 x 20	M 33	G 1"	-	M 33	M 33	-	1¼"
28 x 22	M 36	G 1 1/8"	-	M 36	M 36	-	1 3/8"
32 x 24	M 39	G 1 1/8"	-	M 39	M 39	-	1½"
	M 42	-	-	M 42	M 42	-	1 5/8"
36 x 29	M 45	G 3/8"	-	M 45	M 45	-	1 3/4"
	M 48	G1½"	-	M 48	M 48	-	1 7/8"
	-	G1 3/4"	-	-	-	-	-
	-	G 2"	-	-	-	-	-

Tap Shank Dimensions ANSI (US Standards)

Dimension in Inch. Dia. x Square		Metric Conversions		Tap Size	Dimension in Inch. Dia. x Square		Metric Conversions		Tap Size
0.141	0.110	3.59	2.80	1/8" No.6	0.590	0.442	14.99	11.23	3/4"
0.168	0.131	4.27	3.33	5/32" No.8	0.652	0.489	16.57	12.43	M 20
0.194	0.152	4.93	3.87	3/16" No. 10	0.688	0.515	17.47	13.09	1/2" Ps
0.220	0.165	5.59	4.20	No. 12	0.697	0.523	17.71	13.29	7/8"
0.255	0.191	6.48	4.86	1/4" No. 14	0.700	0.531	17.78	13.49	3/8"Ps
0.312	0.234	7.94	5.95	1/16"Ps 1/8"Ps	0.760	0.570	19.31	14.48	M 24
0.318	0.238	8.08	6.05	5/16" 3/8"	0.800	0.600	20.32	15.24	1"
0.323	0.242	8.21	6.15	5/16" 7/16"	0.896	0.672	22.76	17.07	1 1/8"
0.367	0.275	9.33	6.99	1/2"	0.906	0.679	23.02	17.25	3/4"P
0.381	0.286	9.68	7.27	3/8"	1.021	0.766	25.94	19.46	1¼"
0.429	0.322	10.90	8.18	9/16"	1.108	0.833	28.15	21.11	1 3/8"
0.438	0.328	11.12	8.34	1/8"Ps	1.125	0.843	28.58	21.42	1"P
0.480	0.360	12.20	9.15	5/8"	1.233	0.925	31.32	23.50	1½"
0.542	0.406	13.77	10.31	11/16"	1.132	0.984	33.34	25.00	1¼"P
0.563	0.421	14.29	10.70	1/4"Ps	1.430	1.072	36.33	27.23	1 3/4"

Tap Shank Dimensions (JIS Standards)

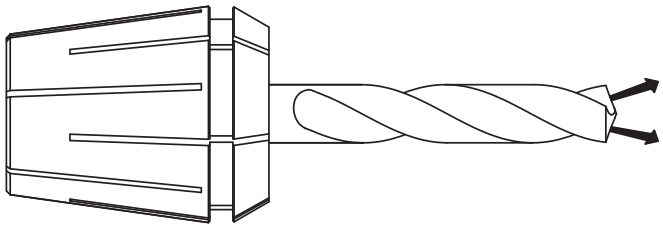
Dimension in mm. Dia. x Square		Tap Size
4.0	3.0	M 3 & M 3.5
5.0	4.0	M 4 & M 4.5
5.5	4.5	M 5
6.0	4.5	M 6
6.2	5.0	M 7 & M 8
7.0	5.5	M 9 & M 10
8.0	6.2	M 11
8.5	6.5	M 12
10.5	8.0	M 14
12.5	10.0	M 16
14.0	11.0	M 18
15.0	12.0	M 20
17.0	13.0	M 22
19.0	15.0	M 24
20.0	15.0	M 27
23.0	23.17	M 30

STEEL SEALED COLLETS FOR HIGH PRESSURE

ABGEDICHTETE SPANNZANGEN FÜR HOCHDRUCKKÜHLUNG | PINZE A TENUTA MECCANICA DEL REFRIGERANTE AD ALTA PRESSIONE
PINZAS ESTANCAS DE ALTA PRESION | PINCES ETANCHE POUR ARROSAGE DE HAUTE PRESSION
ЦАНГИ С ПОДВОДОМ ВЫСОКОГО ДАВЛЕНИЯ СОЖ | 抗高压水密夹头

DIN6499/ISO15488

RUNOUT≤ 0,01



TYPE	CLAMPLING CAPACITY D	PROGRESSIONE
ERC16D...	3÷10	1
ERC20D...	3÷13	1
ERC25D...	3÷16	1
ERC32D...	3÷20	1
ERC40D...	4÷26	1

MAX PRESSION
PRESSIONE MAX
130 BAR

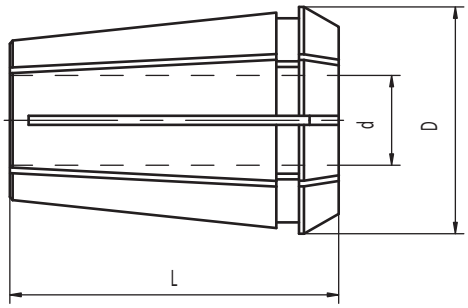
Short slots stop the coolant without plugs
La tenuta é garantita dai tagli corti
短切确保密闭性

06

COLLETS EOC TYPE

EOC TYP SPANNZANGEN | PINZE TIPO EOC
PINZAS TIPO OZ | PINCES TYPE EOC
ЦАНГИ EOC | EOC 夹头

DIN 6388



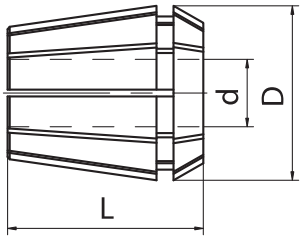
TYPE	D	L	CLAMPLING CAPACITY	DIN	PROGRESSIONE
EOC16D..	25.50	40	2÷16	415E	mm 0,5
EOC25D..	35,05	52	2÷25	462E	mm 0,5
EOC32D..	43,70	60	3÷32	467E	mm 0,5

COLLETS ER TYPE

ER TYP SPANNZANGEN PINZE TIPO ER
PINZAS TIPO ER PINCES TYPE ER
НАБОРЫ ЦАНГ ER ER 类型的夹头

DIN6499/ISO15488

RUNOUT≤ 0,010



	TYPE	D	L	CLAMPLING CAPACITY	CLAMPING RANGE	DIN
	ER8D..	8.5	13.5	1÷5	mm 0,5	4004E
	ER11D..	11.5	18	1÷7	mm 0,5	4008E
NEW	ER11 ERW	11.5	15	7,5 / 8	mm 0,5	**OVERSIZE**
	ER16D..	17	27.5	1÷3 4÷10	mm 0,5 mm 1,0	426E
NEW	ER16 ERW	17	26 21,7 20	10,5 11 / 11,5 12	mm 0,5	**OVERSIZE**
	ER20D..	21	31.5	1÷3 4÷13	mm 0,5 mm 1,0	428E
NEW	ER20 ERW	21	29 25,5	13,5 / 14 14,5 / 15	mm 0,5	**OVERSIZE**
	ER25D..	26	34.5	1÷3 4÷16	mm 0,5 mm 1,0	430E
NEW	ER25 ERW	26	34 33 31 28	16,5 / 17 / 17,5 18 18,5 / 19 19,5 / 20	mm 0,5	**OVERSIZE**
	ER32D..	33	40	2÷20	mm 1,0	470E
NEW	ER32 ERW	33	40 39 37,5 35,7 34	20,5 / 21 / 21,5 / 22 / 22,5 23 / 23,5 24 24,5 25	mm 0,5	**OVERSIZE**
	ER40D..	41	46	3÷30	mm 1,0	472E
NEW	ER40 ERW	41	43 39,5	31 32	mm 1	**OVERSIZE**
	ER50D..	52	60	6÷34	mm 2,0	477E

ER COLLET SETS

ER - SPANNZANGENSATZ SERIE PINZE TIPO ER
JUEGO DE PINZAS TIPO ER JEUX DE PINCES TYPE ER
НАБОРЫ ЦАНГ ER ER 夹头组套

RUNOUT≤ 0,010

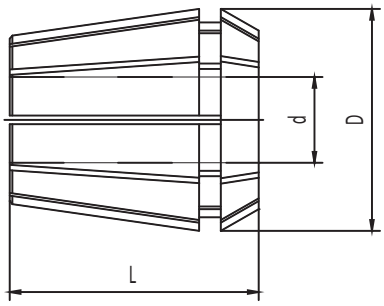
TYPE	NUMBER OF COLLETS	CLAMPING CAPACITY
SERIE-ER8	(1÷5) 9 collets	Ø 1-1,5-2-2,5-3-3,5-4-4,5-5
SERIE-ER11	(1÷7) 13 collets	Ø 1-1,5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7
SERIE-ER16	(1÷10) 10 collets	Ø 1-2-3-4-5-6-7-8-9-10
SERIE-ER20	(2÷13) 12 collets	Ø 2-3-4-5-6-7-8-9-10-11-12-13
SERIE-ER25	(2÷16) 15 collets	Ø 2-3-4-5-6-7-8-9-10-11-12-13-14-15-16
SERIE-ER32	(3÷20) 18 collets	Ø 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20
SERIE-ER40	(4÷26) 23 collets	Ø 4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20 21-22-23-24-25-26
SERIE-ER40C	(3÷30) 28 collets	Ø 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20 21-22-23-24-25-26-27-28-29-30

HIGH PRECISION ER COLLETS

HOCHPRÄZISIONS-ER SPANNZANGEN PINZE ER DI ALTA PRECISIONE
PINZAS TIPO ER DE ALTA PRECISION ER PINCE DE HAUTE PRECISION
ВЫСОКОТОЧНЫЕ ЦАНГИ ER 高精度 ER 夹头

DIN6499/ISO15488

RUNOUT≤ 0,005



TYPE	D	L	CLAMPLING CAPACITY
ER 8 HP	8.5	13,5	1÷5
ER11 HP	11,5	18	1÷7
ER16 HP	17	27,5	1÷10
ER20 HP	21	31.5	1÷13
ER25 HP	26	34	1÷16
ER32 HP	33	40	2÷20
ER40 HP	41	46	3÷30

REDUCED SETS OF COLLETS ER-HP TYPE

HOCHPRÄZISIONS-ER SPANNZANGENSÄTZE (Reduzierte Version) SERIE RIDOTTA DI PINZE ER-HP
JUEGO REDUCIDO DE PINZAS TIPO ER DE ALTA PRECISION JEUX REDUITS DE PINCES ER DE HAUTE PRECISION
СОКРАЩЕННЫЕ НАБОРЫ ВЫСОКОТОЧНЫХ ЦАНГ ER ER-HP 夹头简装版

RUNOUT≤ 0,005

TYPE	DIAMETERS	No. COLLETS
SERIE-ER 8 HP	1-2-3-4-5	5
SERIE-ER11 HP	1-2-3-4-5-6-7	7
SERIE-ER16 HP	2-4-6-8-10	5
SERIE-ER20 HP	2-4-6-8-10-12	6
SERIE-ER25 HP	4-6-8-10-12-16	6
SERIE-ER32 HP	4-6-8-10-12-16-20	7
SERIE-ER40 HP	4-6-8-10-12-16-20-25	8

COMPLETE SETS OF COLLETS ER-HP TYPE

HOCHPRÄZISIONS-ER SPANNZANGENSÄTZE (Komplette Version) SERIE COMPLETA DI PINZE ER-HP
JUEGO COMPLETO DE PINZAS TIPO ER DE ALTA PRECISION JEUX COMPLETS DE PINCES ER DE HAUTE PRECISION
ПОЛНЫЕ НАБОРЫ ВЫСОКОТОЧНЫХ ЦАНГ ER ER-HP 夹头的完整版

RUNOUT≤ 0,005

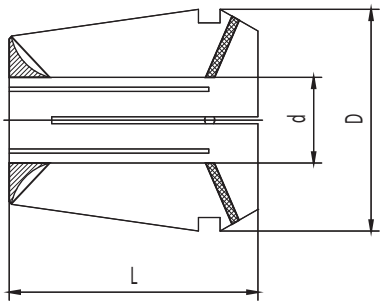
TYPE	DIAMETERS	No. COLLETS
SERIE-ER8HPC	1-1.5-2-2,5-3-3,5-4-4,5-5	9
SERIE-ER11HPC	1-1.5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7	13
SERIE-ER16HPC	1-2-3-4-5-6-7-8-9-10	10
SERIE-ER20HPC	2-3-4-5-6-7-8-9-10-11-12-13	12
SERIE-ER25HPC	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	15
SERIE-ER32HPC	3-4-5-6-7-8-9-10-11-12-13-14-15-16 17-18-19-20	18
SERIE-ER40HPC	4-5-6-7-8-9-10-11-12-13-14-15-16 17-18-19-20-21-22-23-24-25-26	23

WATERTIGHT ER COLLETS

ER-SPANNZANGEN ABGEDICHTET PINZE ER A TENUTA STAGNA
PINZAS ER ESTANCAS PINCES ER ETANCHES
ЦАНГИ ER ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 水密性 ER 夹头

DIN6499/ISO15488

RUNOUT≤ 0,010



TYPE	D	L	CLAMPLING CAPACITY	PROGRESSIONE
ER11VG	11,35	18	3÷7	0,5
ER16VG	16,75	27,5	3÷10	0,5
ER20VG	20,65	31.5	3÷13	0,5
ER25VG	25,60	34	3÷16	0,5
ER32VG	32,74	40	3÷20	0,5
ER40VG	40,60	46	4÷26	0,5

REDUCED SETS OF COLLETS VG TYPE

ER VG SPANNZANGENSÄTZE (Reduzierte Version) SERIE RIDOTTA DI PINZE VG
JUEGO REDUCIDO DE PINZAS ER ESTANCAS JEUX REDUITS DE PINCES ER VG
СОКРАЩЕННЫЕ НАБОРЫ ЦАНГ ER ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ VG 型夹头简装版

RUNOUT≤ 0,010

TYPE	DIAMETERS	No. COLLETS
SERIE-ER16VG	4-6-8-10	4
SERIE-ER20VG	4-6-8-10-12	5
SERIE-ER25VG	4-6-8-10-12-16	6
SERIE-ER32VG	4-6-8-10-12-16-20	7
SERIE-ER40VG	4-6-8-10-12-16-20-25	8

COMPLETE SETS OF COLLETS VG TYPE

ER VG SPANNZANGENSÄTZE (Komplette Version) SERIE COMPLETA DI PINZE VG
JUEGO COMPLETO DE PINZAS ER ESTANCAS JEUX COMPLETS DE PINCES ER VG
ПОЛНЫЕ НАБОРЫ ЦАНГ ER ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ VG 型夹头完整版

RUNOUT≤ 0,010

TYPE	DIAMETERS	No. COLLETS
SERIE-ER16VG-C	3-4-5-6-7-8-9-10	8
SERIE-ER20VG-C	3-4-5-6-7-8-9-10-11-12-13	11
SERIE-ER25VG-C	3-4-5-6-7-8-9-10-11-12-13-14-15-16	14
SERIE-ER32VG-C	3-4-5-6-7-8-9-10-11-12-13-14-15-16 17-18-19-20	18
SERIE-ER40VG-C	4-5-6-7-8-9-10-11-12-13-14-15-16 17-18-19-20-21-22-23-24-25-26	23

ULTRA PRECISION WATERTIGHT ER COLLETS

DICHTE ER-SPANNZANGE PINZE ER A TENUTA STAGNA DI ULTRA PRECISIONE
PINZAS ER ESTANCAS DE ALTA PRECISION PINCES ER ETANCHES
ВЫСОКОТОЧНЫЕ ЦАНГИ ER ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 超高精度水密性 ER 夹头

DIN6499/ISO15488

RUNOUT≤ 0,005

Collets with the same caracteristics od VG type buth with an ultra precision <0.005 runout accuracy. Working pressure: max 40Bar/600 PSI. Those collets clamp only nominal diameter.

Pinze con le medesime caratteristiche delle VG ma di altissima precisione concentricitá <0,005 mm. Pressione di esercizio: max 40 Bar/600 PSI. Bloccano solo il diametro nominale.

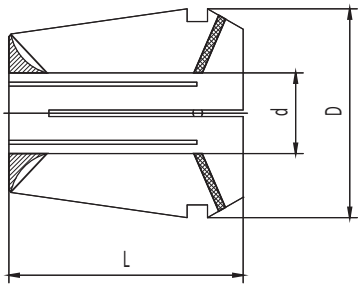
Pinzas con las mismas características de las estancas, pero de altísima precisión con concentricidad <0,005mm. Presión de trabajo: máx. 40 Bar/600 PSI. Esas pinzas solo cierran el diámetro nominal.

Spannzangen mit den gleichen Eigenschaften wie die abgedichteten aber mit Hochpräzision und Rundlauf < 0,0005. Arbeitsdruck: max. 40 Bar/600 PSI. Diese Spannzangen spannen nur den Nenndurchmesser.

Pinces avec les mêmes caractéristiques des pinces étanches mais ultra-précises avec concentricité < 0,005. Pression de service: max 40 Bar/600 PSI. Ces pinces bloquent seulement le diamètre nominal.

Цанги с такими же характеристиками, как у обычных цанг для внутреннего подвода СОЖ, но с меньшим биением <0,005. Рабочее давление: макс. 40 бар/600 фунт сил. Данные цанги существуют только номинального диаметра.

这些夹头与 VG 类型的夹头的特点相同，但精度超高，径向跳动精度 <0.005。工作压力：最高为 40Bar/600 PSI。这些夹头只能用于夹持常规直径。



TYPE	D	L	CLAMPLING CAPACITY	PROGRESSIONE
ER11VG-HP	11,35	18	3÷7	0,5
ER16VG-HP	16,75	27,5	3÷10	1
ER20VG-HP	20,65	31.5	3÷13	1
ER25VG-HP	25,60	34	3÷16	1
ER32VG-HP	32,74	40	3÷20	1
ER40VG-HP	40,60	46	4÷26	1

REDUCED SETS OF COLLETS VG-UP TYPE

ER VG UP SPANNZANGENSÄTZE (Reduzierte Version) SERIE RIDOTTA DI PINZE VG-UP
JUEGO REDUCIDO DE PINZAS ESTANCAS DE ALTA PRECISION JEUX REDUITS DE PINCES ER VG UP
СОКРАЩЕННЫЕ НАБОРЫ ВЫСОКОТОЧНЫХ ЦАНГ ER ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ VG - UP 型夹头简装版

RUNOUT≤ 0,005

TYPE	DIAMETERS	No. COLLETS
SERIE-ER16VG-HP	4-6-8-10	4
SERIE-ER20VG-HP	4-6-8-10-12	5
SERIE-ER25VG-HP	4-6-8-10-12-16	6
SERIE-ER32VG-HP	4-6-8-10-12-16-20	7
SERIE-ER40VG-HP	4-6-8-10-12-16-20-25	8

COMPLETE SETS OF COLLETS VG-UP TYPE

ER VG UP SPANNZANGENSÄTZE (Komplette Version) SERIE COMPLETA DI PINZE VG-UP
JUEGO COMPLETO DE PINZAS ESTANCAS DE ALTA PRECISION JEUX COMPLETS DE PINCES ER VG UP
ПОЛНЫЕ НАБОРЫ ВЫСОКОТОЧНЫХ ЦАНГ ER ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ VG - UP 型夹头完整版

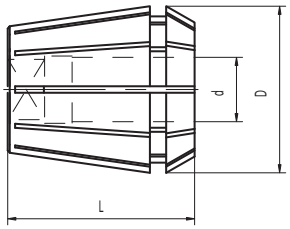
RUNOUT≤ 0,005

TYPE	DIAMETERS	No. COLLETS
SERIE-ER16VG-HPC	3-4-5-6-7-8-9-10	8
SERIE-ER20VG-HPC	3-4-5-6-7-8-9-10-11-12-13	11
SERIE-ER25VG-HPC	3-4-5-6-7-8-9-10-11-12-13-14-15-16	14
SERIE-ER32VG-HPC	3-4-5-6-7-8-9-10-11-12-13-14-15-16 17-18-19-20	18
SERIE-ER40VG-HPC	4-5-6-7-8-9-10-11-12-13-14-15-16 17-18-19-20-21-22-23-24-25-26	23

ER TAPPING COLLETS WITH SQUARE

ER TYP SPANNZANGEN MIT INNENVIERIANT | PINZE ER CON QUADRO PER MASCHIATURA
PINZAS ER PARA ROSCADO | PINCES DE TARAUDAGE
ЦАНГИ ER С КВАДРАТОМ | ER 粗丝锥夹头

DIN6499/ISO15488



TYPE	D	L	CLAMPLING CAPACITY
ER16MD..	17	27.5	3.5÷8
ER20MD..	21	31.5	3.5÷10
ER25MD..	26	34	3.5÷12
ER32MD..	33	40	3.5÷16
ER40MD..	41	46	4.5÷20

TYPE	D	L	CLAMPLING CAPACITY
*ER16VGMD	17	27.5	3.5÷8
*ER20VGMD	21	31.5	3.5÷10
*ER25VGMD	26	34	3.5÷12
*ER32VGMD	33	40	3.5÷16
*ER40VGMD	41	46	4.5÷20

*A TENUTA STAGNA / WATERTIGHT COLLETS

TECHNICAL INFORMATIONS

TECHNISCHE DATEN | INFORMAZIONI TECNICHE
INFORMACION TECNICA | DONNÉES TECHNIQUES
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ | 技术信息

TAPE MASCHIO M	SHANK - GAMBO	
	Ø D	SQ
M3	3,5	2,7
M3,5	4	3
M4	4,5	3,4
M4	5	4
M5	5,5	4,3
M5	6	4,9
M6	6	4,9
M6	6,3	5
M8	6	4,9
M8	6,3	5
M7	7	5,5
M10	7	5,5
M8	8	6,2
M9	9	7

TAPE MASCHIO M	SHANK - GAMBO	
	Ø D	SQ
M12	9	7
M10	10	8
M14	11	9
M14	11,2	9
M16	12	9
M16	12,5	10
M18	14	11
M20	16	12
M24	18	14,5
M27	20	16
M30	22	18
M33	25	20
M36	28	22
M39-42	32	24

REDUCED SETS OF COLLETS MD TYPE

ER MD SPANNZANGENSÄTZE (Reduzierte Version) | SERIE RIDOTTA DI PINZE MD
JUEGO REDUCIDO DE PINZAS PARA ROSCADO | JEUX REDUITS DE PINCES ER MD
СОКРАЩЕННЫЕ НАБОРЫ ЦАНГ MD ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ | MD 型夹头简装版

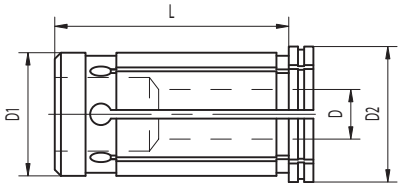
TYPE	DIAMETERS	No. COLLETS
SERIE-ER16MD	3,5-4,5-6-7	4
SERIE-ER20MD	3,5-4,5-6-7-8-9-10	7
SERIE-ER25MD	3,5-4,5-6-7-8-9-10-11-12	9
SERIE-ER32MD	4,5-6-7-8-9-10-11-12-14-16	10
SERIE-ER40MD	6-7-8-9-10-11-12-14-16-18-20	11

TYPE	DIAMETERS	No. COLLETS
*SERIE-ER16VGMD	3,5-4,5-6-7	4
*SERIE-ER20VGMD	3,5-4,5-6-7-8-9-10	7
*SERIE-ER25VGMD	3,5-4,5-6-7-8-9-10-11-12	9
*SERIE-ER32VGMD	4,5-6-7-8-9-10-11-12-14-16	10
*SERIE-ER40VGMD	6-7-8-9-10-11-12-14-16-18-20	11

*A TENUTA STAGNA / WATERTIGHT SERIES

COLLETS FOR MILLING CHUCK

SPANNZANGEN FÜR KRAFTSPANNFUTTER PINZE PER MANDRINI A FORTE SERRAGGIO
PINZAS PARA CONOS DE GRAN APRIETE PINCES POUR MANDRINS A FORT SERRAGE
ЦАНГИ ДЛЯ УСИЛЕННЫХ ПАТРОНОВ 铣夹头用夹头



TYPE	D1	D2	L	D NOLE SIZE
K20D..	20	25	50	3;4;5;6;8;10;12;14;16
K32D..	32	37	60	6;8;10;12;14;16;18;20;25

MANUFACTURING SPECIFICATIONS

- For tool shank tolerance h6
- Maximum form and dimensional precision
- Max concentricity error between D and D1: 0,005mm.

CARATTERISTICHE COSTRUTTIVE

- Per utensili con gambo in tolleranza h6
- Altissima precisione dimensionale e di forma
- Max errore di concentricità tra D e D1 - 0,005 mm.

KONSTRUKTIONSDATEN:

- für Werkzeuge mit Schaft Toleranz h6;
- sehr hohe Maß- und Formgenauigkeit;
- Max. Rundlauffehler zwischen D und D1 - 0,005 mm.

CARACTERISTICAS DE CONSTRUCCION:

- Para herramientas con mango con tolerancia h6
- Altísima precisión dimensional y de forma
- Max error de concentricidad entre D y D1 – 0,005 mm

CARACTÉRISTIQUES CONSTRUCTIVES:

- pour outils avec queue en tolérance h6;
- très haute précision dimensionnelle et de forme;
- erreur maximale de concentricité entre D et D1 - 0,005 mm.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

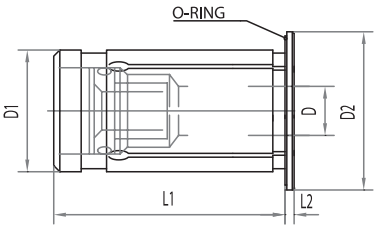
- Для инструментов с допуском h6 на хвостовике
- Максимальная точность обработки
- Максимальное биение диаметра D относительно D1: 0,005mm

技术参数

- 刀柄公差为H6
- 超大结构和尺寸精度
- D与D1之间最大的同心度误差 0.005mm

WATERTIGHT COLLETS

SPANNZANGEN ABGEDICHTET PINZE A TENUTA STAGNA
PINZAS ESTANCAS PINCES ETANCHES
ЦАНГИ ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 水密性 夹头



TYPE	D1	D2	L1	L2	D nole size
OGX12D...	12	21	45	2	3;4;5;6;8;
OGX20D...	20	29	50.5	2	3;4;5;6;8;10;12;16
OGX32D...	32	39	60.5	3	6;8;10;12;16;20;25

OGX TYPE IS 100% COOLANT WATERPROOF OVER TO 80 BAR.
PLEASE INSERT THE REDUCTION SLEEVE INTO THE CHUCK AFTER INSERT A CUTTING TOOL INTO THE REDUCTION SLEEVE.

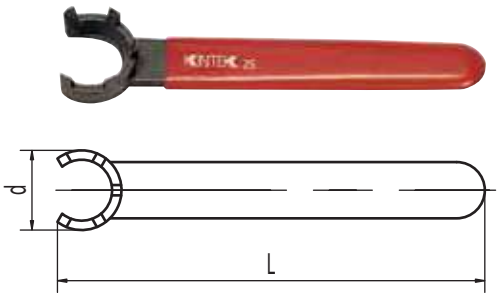
WRENCH

SPANNSCHLÜSSEL CHIAVE PER GHIERA ESAGONALE
LLAVE PARA TUERCA HEXAGONAL CLES DE SERRAGE
КЛЮЧ ДЛЯ ШЕСТИГРАННОЙ ГАЙКИ 多变形压帽扳手

CODE N.	EXA
816-203012	16

WRENCHES FOR MINI NUT

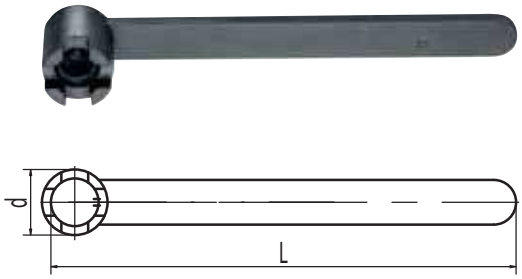
SPANNSCHLÜSSEL FÜR MINI SPANNMUTTER CHIAVI PER GHIERA MINI
LLAVE PARA TUERCA MINI CLES DE SERRAGE POUR ECROU MINI
КЛЮЧИ ДЛЯ МИНИ-ГАЕК 微型螺母用扳手



CODE N.	ER	d	L
816-203007	8M	12,4	70
816-203008	11M	16,8	90
816-203009	16M	22,5	110
816-203010	20M	29	120
816-203011	25M	36	130

WRENCHES FOR TOOLS RETEINING SCREW

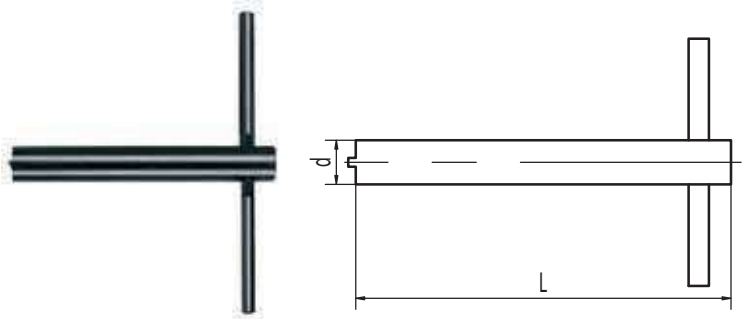
SPANNSCHLÜSSEL FÜR FRÄSERANZUGSSCHRAUBEN CHIAVE PER VITE TESTA A CROCE
LLAVE PARA TORNILLO DE ESTRELLA CLE A VIS A CROSSE
НАКИДНЫЕ КЛЮЧИ ДЛЯ КРЕСТООБРАЗНЫХ ВИНТОВ 使螺丝保持就位工具用扳手



CODE N.	SIZE	d	L
816-130002	16/M08	22	180
816-130003	22/M10	28	200
816-130004	27/M12	35	225
816-130005	32/M16	42	250
816-130006	40/M20	52	280
816-130007	50/M24	63	315

WRENCHES FOR LOCKNUT

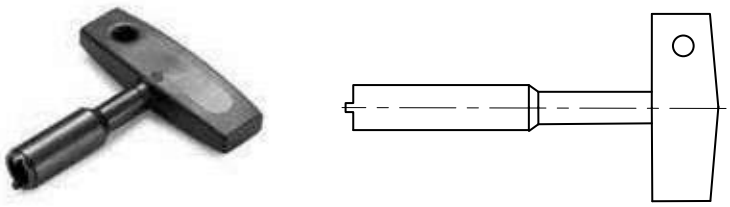
SPANNSCHLÜSSEL FÜR ÜBERWURFMUTTERN CHIAVI PER GHIERA DI TENUTA
LLAVE PARA TUERCA DE CIERRE CLES POUR COLLIERE D'ETANCHEITE
ПОВОРОТНЫЕ КЛЮЧИ 自锁螺母用扳手



CODE N.	SIZE	d	L
816-20204002	M10/MK1	9,9	85
816-20205002	M15/MK2	14,8	110
816-20206002	M20/MK3	19,2	115
816-20207002	M24/MK4	23	140
816-20208002	M36/MK5	37	172

KEY FOR COOLANT SUPPLY UNIT

SPANNSCHLÜSSEL FÜR KÜHLMITTELÜBERGABESATZ CHIAVE PER ADDUTTORE REFRIGERANTE
LLAVE PARA TUBOS DE REFRIGERACION CLES POUR LE DISPOSITIF DE TRANSFERT DE LIQUIDE DE LUBRIFICATION
КЛЮЧИ ДЛЯ ВИНТОВ, НАПРАВЛЯЮЩИХ СОЖ 冷却剂供应装置键

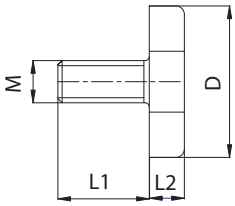


HSK	CODE N.
40	816-204022
63	816-204024
100	816-204025

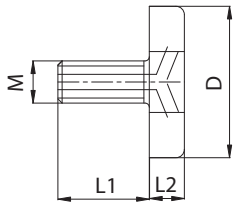
CROSS HEAD SCREW FOR FACE MILL HOLDERS AND COMBI-SHELL MILL ADAPTORS

KREUZKOPFSCHRAUBEN FUR AUFSTECKFRASDORNE UND KOMBI-AUFSTECKFRASDORNE
TORNILLO DE ESTRELLA PARA PORTAFRESAS FIJOS Y COMBINADOS
КРЕСТООБРАЗНЫЕ ВИНТЫ К ОПРАВКАМ ДЛЯ НАСАДНЫХ ФРЕЗ
VITI TESTA CROCE PER PORTAFRESE FISSI E COMBINATI
VIS CRUCIFORMES POUR PORTE-FRAISES FIXES ET COMBINES
平面铣夹具和复合式平面铣接头十字头螺丝

Type A



Type B

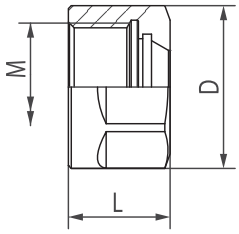


CODE N.	M	D	L1	L2	TYPE
811-107003	M8	20	16	6	A
811-107004	M10	28	18	7	A
811-107005	M12	35	22	8	A
811-107006	M16	42	26	9	A
811-107007	M20	52	30	10	A
811-107009	M24	63	36	12	A
811-107013	M8	20	16	6	B
811-107014	M10	28	18	7	B
811-107015	M12	35	22	8	B
811-107016	M16	42	26	9	B
811-107017	M20	52	30	10	B

HEXAGONAL NUT

SECHSKANTMUTTER
TUERCA HEXAGONAL
ШЕСТИГРАННАЯ ГАЙКА
GHIERA ESAGONALE
ÉCROU HEXAGONAL
多边形压帽

DIN6499/ISO15488



CODE N.	EXA	D	L	M
812-203009	16	28	17,5	M22X1,5

BALANCED NUT

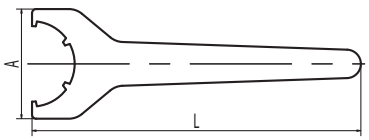
GEWUCHTETE SPANNMUTTER
TUERCA EQUILIBRADA ESTANDAR
СБАЛАНСИРОВАННЫЕ ГАЙКИ
GHIERA BILANCIATA STANDARD
ECROU EQUILIBRE
平衡螺母

DIN6499/ISO15488

CODE N.	ER	D	L	M
812-203005	16	32	18	M22X1,5
812-203006	20	35	19	M25X1,5
812-203001	25	42	20	M32X1,5
812-203002	32	50	22.5	M40X1,5
812-203003	40	63	25.5	M50X1,5

WRENCHES FOR STANDARD NUT

SPANNSCHLÜSSEL FÜR STANDARD SPANNMUTTER
LLAVE PARA TUERCA ESTANDAR
КЛЮЧИ ДЛЯ СТАНДАРТНЫХ ГАЕК
CHIAVI PER GHIERA STANDARD
CLES DE SERRAGE POUR ECROU STANDARD
标准螺母用扳手



CODE N.	ER	A	L
816-203000	16	54	165
816-203005	20	60	180
816-203001	25	70	200
816-203002	32	80	250
816-203003	40	95	280

MINI NUT

MINI SPANNMUTTER GHIERA MINI
TUERCA MINI ECROU MINI
МИНИ-ГАЙКИ 微型螺母

DIN6499/ISO15488

CODE N.	ER	D	L	M
812-203011	8M	12	11	M10X0,75
812-203012	11M	16	12	M13X0,75
812-203013	16M	22	18	M19X1
812-203014	20M	28	19	M24X1
812-203015	25M	35	20	M30X1

EOC NUT

EOC SPANNMUTTER GHIERA EOC
TUERCA OZ ECROU EOC
ГАЙКИ EOC EOC 螺母

DIN 6388

CODE N.	EOC	D	L	M
GOC16	16	43	24	M33X1,5
GOC20	20	50	28	M42X2
GOC25	25	60	30	M48X2
GOC32	32	72	34	M60X2,5

BALANCED NUT

GEWUCHTETE SPANNMUTTER GHIERA BILANCIATA
TUERCA EQUILIBRADA ECROU EQUILIBRÉ
СБАЛАНСИРОВАННЫЕ ГАЙКИ 平衡螺母

DIN6499/ISO15488

CODE N.	ER	D	L	M
812-203069	16	32	18	M22x1,5
812-203070	25	42	20	M32x1,5
812-203071	32	50	22,5	M40x1,5
812-203072	40	63	25,5	M50x1,5

* For balanced toolholders, G2,5 25000 RPM
* Per mandrini bilanciati in classe G2,5 25000 RPM
* Para conos equilibrados en clase G2,5 25000 RPM
* Für Aufnahmen mit 25.000 U/m G2,5 Wuchtung
* Pour mandrins équilibrés a 25.000 tours G2,5
* Для сбалансированных оправок с классом G2,5 при 25000 об/мин
* 用于平衡刀柄 G2.5 25000 RPM

WRENCHES FOR BALANCED NUTS

SPANNSCHLÜSSEL CHIAVI PER GHIERE BILANCIATE
LLAVE PARA TUERCAS EQUILIBRADAS CLES DE SERRAGE
КЛЮЧИ ДЛЯ СБАЛАНСИРОВАННЫХ ГАЕК 平衡螺母扳手

CODE N.	TYPE	ER	DIMENSION
816-203031	-	16	30/32
816-203032	-	25	40/42
816-203033	GOC 16/20	32	45/50
816-203034	GOC 25	40	58/62
816-203036	GOC 32	-	68/75

TAPER WIPERS

KEGELWISCHER PULITORI PER CONI
LIMPIADOR PARA CONOS CONES DE NETTOYAGE
ПРОТИРОЧНЫЕ КОНУСЫ 锥形刷

CODE N.	
832-021100	HSK40
832-021101	HSK50
832-021102	HSK63
832-021099	HSK100

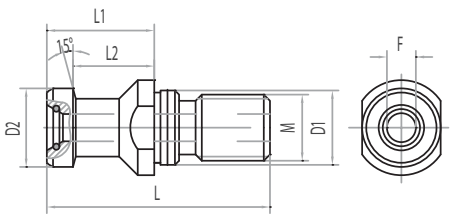
CODE N.	
832-021103	MK1
832-021104	MK2
832-021105	MK3
832-021106	MK4
832-021107	MK5

CODE N.	
832-021108	SK30
832-021109	SK40
832-021110	SK50

SEALED PULL STUDS WITH DOUBLE O-RING FOR HIGH PRESSURE COOLANT

ABGEDICHTETE ANZUGSBOLZEN MIT DOPPELTEM O-RING FÜR HOCHKÜHLMITTELDRUCK
TIRANTES CON DOBLE O-RING PARA REFRIGERACION DE ALTA PRESION
ШТРЕВЕЛЯ С ДВОЙНЫМ УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ДЛЯ РАБОТЫ ПОД БОЛЬШИМ ДАВЛЕНИЕМ СОЖ
CODOLI CON DOPPIO O-RING PER REFRIGERANTE AD ALTA PRESSIONE
TIRETTES ETANCHES AVEC DOUBLE O-RING POUR ARROSAGE A' HAUTE PRESSION
用于高压冷却剂带双O环的密封拉钉

DIN 69872



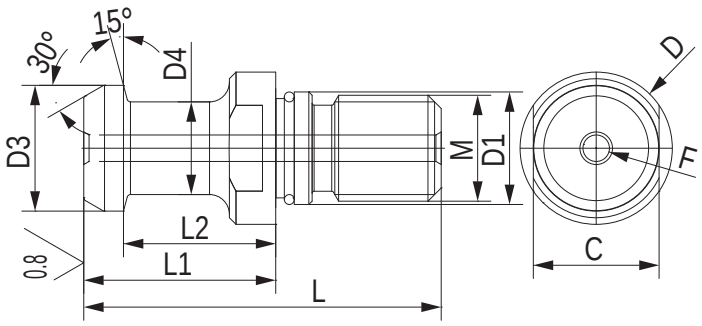
CODE N.	ISO	M	D1	D2	L	L1	L2	F
217-21307	40	M16	17	19	54	26	20	7
217-21308	40	M16	17	19	54	29	23	7
217-21309	50	M24	25	28	74	34	25	11,5

OKUMA PULL STUDS

SPANNBOLZEN OKUMA CODOLI DI AGGANCIO OKUMA
TIRANTES OKUMA TIRETTES OKUMA
ТЯНУЩИЕ ШТАНГИ OKUMA OKUMA 拉动式双头螺柱

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

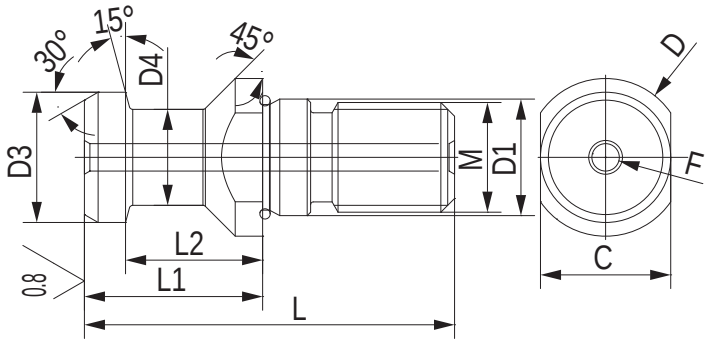
OKUMA



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
611-2031-01	40	M16	23	17	19	14	54	29	23	19	4

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

OKUMA



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
611-2033-02	40	M16	23	17	19	14	54	26	20	19	4

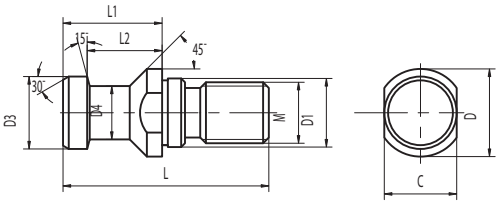
DIN 69872 PULL STUDS

SPANNBOLZEN DIN 69872 CODOLI DI AGGANCIO DIN 69872
TIRANTES DIN 69872 TIRETTES DIN 69872
ТЯНУЩИЕ ШТАНГИ DIN 69872 DIN 69872 拉动式双头螺柱

DIN 69872

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的

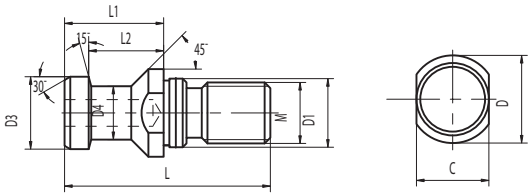
DIN 69872 B



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C
217-21206	30	M12	17	13	13	9	44	24	19	14
217-21207	40	M16	23	17	19	14	54	26	20	19
217-21208	50	M24	36	25	28	21	74	34	25	30

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

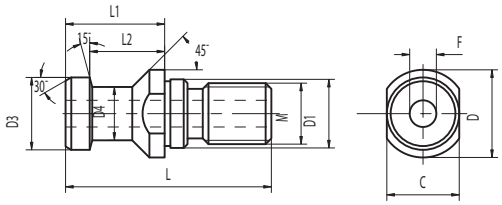
DIN 69872 B



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C
217-21301	40	M16	23	17	19	14	54	26	20	19
217-21302	50	M24	36	25	28	21	74	34	25	30

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的

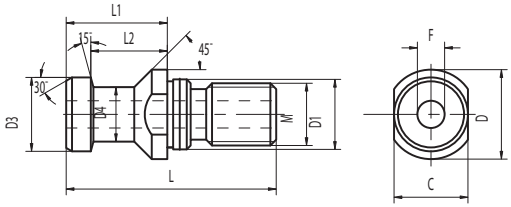
DIN 69872 A



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
217-21201	40	M16	23	17	19	14	54	26	20	19	7
217-21202	50	M24	36	25	28	21	74	34	25	30	11,5

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

DIN 69872 A



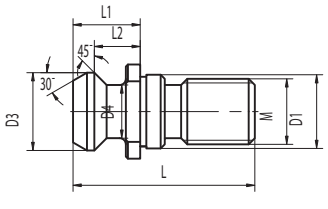
CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
217-21305	40	M16	23	17	19	14	54	26	20	19	7
217-21306	50	M24	36	25	28	21	74	34	25	30	11,5

ISO 7388/2-B PULL STUDS

SPANNBOLZEN ISO 7388/2-B CODOLI DI AGGANCIO ISO 7388/2-B
TIRANTES ISO 7388/2-B TIRETTES ISO 7388/2-B
ТЯНУЩИЕ ШТАНГИ ISO 7388/2-B ISO 7388/2-B 拉动式双头螺柱

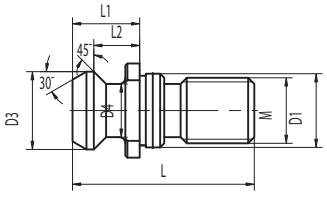
ISO 7388/2-B

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的



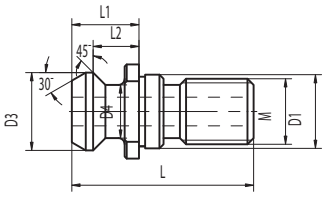
CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C
217-21608	40	M16	22,5	17	18,9	12,9	44,5	16,4	11,2	18
217-21609	50	M24	37	25	29,1	19,6	65,5	25,5	17,9	30

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令



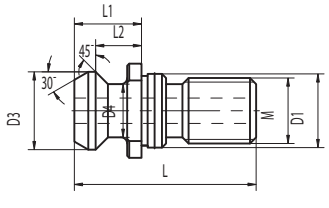
CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C
217-21611	40	M16	22,5	17	18,9	12,9	44,5	16,4	11,2	18
217-21612	50	M24	37	25	29,1	19,6	65,5	25,5	17,9	30

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
217-21601	40	M16	22,5	17	18,9	12,9	44,5	16,4	11,2	18	7,3
217-21602	50	M24	37	25	29,1	19,6	65,5	25,5	17,9	30	11,5

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令



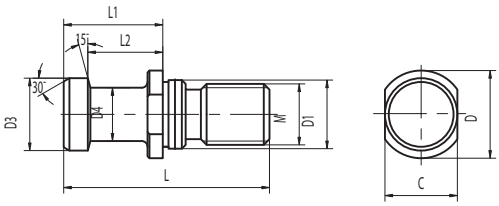
CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
217-21621	40	M16	22,5	17	18,9	12,9	44,5	16,4	11,2	18	7,3
217-21622	50	M24	37	25	29,1	19,6	65,5	25,5	17,9	30	11,5

ISO 7388/2-A PULL STUDS

SPANNBOLZEN ISO 7388/2-A CODOLI DI AGGANCIO ISO 7388/2-A
TIRANTES ISO 7388/2-A TIRETTES ISO 7388/2-A
ТЯНУЩИЕ ШТАНГИ ISO 7388/2-A ISO 7388/2-A 拉动式双头螺柱

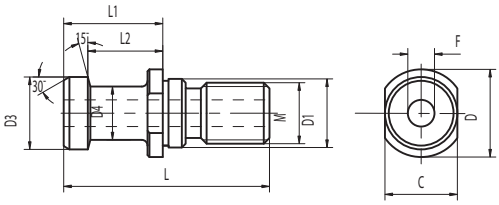
ISO 7388/2-A

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令



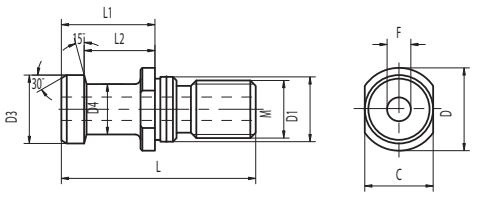
CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C
217-21619	40	M16	23	17	19	14	54	26	20	19
217-21620	50	M24	36	25	28	21	74	34	25	30

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
217-21614	40	M16	23	17	19	14	54	26	20	19	7
217-21615	50	M24	36	25	28	21	74	34	25	30	11,5

Gebohrt • Drilled • Percée • Forato • Perforado • С отверстием • 钻孔的
Mit O'Ring • With O'ring • Avec joint torique • Con O-Ring • Con OR di tenuta • С кольцом • 带O'令



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	f
217-21623	40	M16	23	17	19	14	54	26	20	19	7
217-21624	50	M24	36	25	28	21	74	34	25	30	11,5

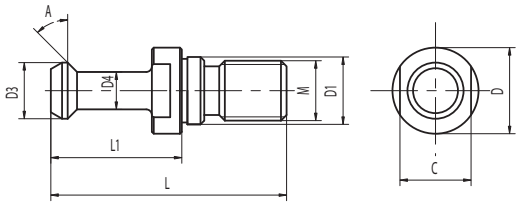
KINTEK®
COMPONENTI INNOVATIVI TECNOMECCANICI

MAS-BT PULL STUDS

SPANNBOLZEN ISO MAS-BT CODOLI DI AGGANCIO MAS-BT
TIRANTES MAS-BT TIRETTES MAS-BT
ТЯНУЩИЕ ШТАНГИ MAS-BT MAS-BT 拉动式双头螺柱

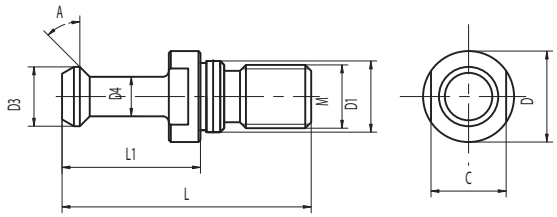
MAS-BT

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的



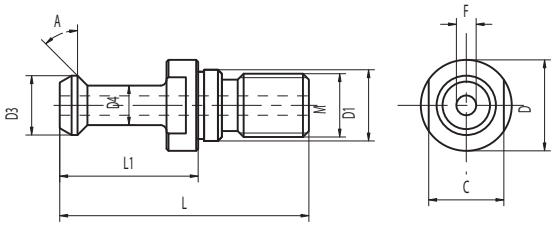
CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C
217-21508	30	30°	M12	23	43	16	12,5	11	7	13
217-21507	30	45°	M12	23	43	16	12,5	11	7	13
217-21502	40	30°	M16	35	60	23	17	15	10	19
217-21501	40	45°	M16	35	60	23	17	15	10	19
217-21503	40	90°	M16	35	60	23	17	15	10	19
217-21505	50	30°	M24	45	85	38	25	23	17	30
217-21504	50	45°	M24	45	85	38	25	23	17	30
217-21506	50	90°	M24	45	85	38	25	23	17	30

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令



CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C
217-21401	40	30°	M16	35	60	23	17	15	10	19
217-21402	40	45°	M16	35	60	23	17	15	10	19
217-21403	40	90°	M16	35	60	23	17	15	10	19
217-21404	50	30°	M24	45	85	38	25	23	17	30
217-21405	50	45°	M24	45	85	38	25	23	17	30
217-21406	50	90°	M24	45	85	38	25	23	17	30

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的



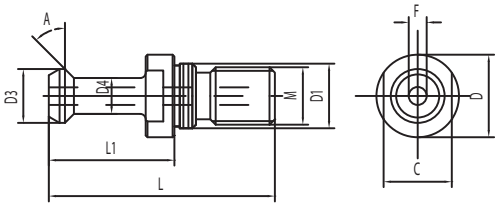
CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C	F
217-22206	40	30°	M16	35	60	23	17	15	10	19	4
217-22207	40	45°	M16	35	60	23	17	15	10	19	4
217-22208	40	90°	M16	35	60	23	17	15	10	19	4
217-22209	50	30°	M24	45	85	38	25	23	17	30	6
217-22210	50	45°	M24	45	85	38	25	23	17	30	6
217-22211	50	90°	M24	45	85	38	25	23	17	30	6

MAS-BT PULL STUDS

SPANNBOLZEN MAS-BT CODOLI DI AGGANCIO MAS-BT
TIRANTES MAS-BT TIRETTES MAS-BT
ТЯНУЩИЕ ШТАНГИ MAS-BT MAS-BT 拉动式双头螺柱

MAS-BT

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

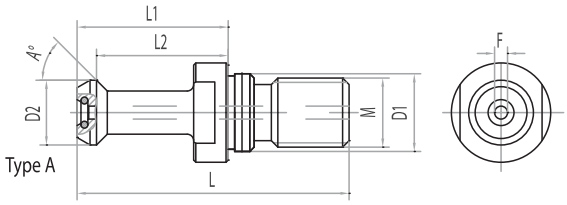


CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C	F
217-22316	40	30°	M16	35	60	23	17	15	10	19	4
217-22317	40	45°	M16	35	60	23	17	15	10	19	4
217-22318	40	90°	M16	35	60	23	17	15	10	19	4
217-22319	50	30°	M24	45	85	38	25	23	17	30	6
217-22320	50	45°	M24	45	85	38	25	23	17	30	6
217-22321	50	90°	M24	45	85	38	25	23	17	30	6

SEALED PULL STUDS WITH DOUBLE O-RING FOR HIGH PRESSURE COOLANT

ABGEDICHTETE ANZUGSBOLZEN MIT DOPPELTEM O-RING FÜR HOCHKÜHLMITTELDRUCK
TIRANTES CON DOBLE O-RING PARA REFRIGERACION DE ALTA PRESION
ШТРЕВЕЛЯ С ДВОЙНЫМ УПЛОТНИТЕЛЬНЫМ КОЛЬЦОМ ДЛЯ РАБОТЫ ПОД БОЛЬШИМ ДАВЛЕНИЕМ СОЖ
CODOLI CON DOPPIO O-RING PER REFRIGERANTE AD ALTA PRESSIONE
TIRETTES ETANCHES AVEC DOUBLE O-RING POUR ARROSAGE A' HAUTE PRESSION
用于高压冷却剂带双O环的密封拉钉

MAS-BT



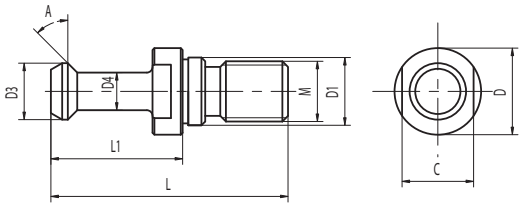
CODE N.	ISO	A	M	L1	L2	L	D1	D2	F	TYPE
217-21412	50	45°	M24	45	35	85	25	23	6	A
217-21413	50	60°	M24	45	35	85	25	23	6	A
217-21414	50	90°	M24	45	35	85	25	23	6	A

MAS-BT->DIN 69871 PULL STUDS

SPANNBOLZEN MAS-BT->DIN 69871 | CODOLI DI AGGANCIO MAS-BT->DIN 69871
TIRANTES MAS-BT > DIN 69871 | TIRETTES MAS-BT->DIN 69871
ТЯНУЩИЕ ШТАНГИ MAS-BT -> DIN 69871 | MAS-BT->DIN 69871 拉动式双头螺柱

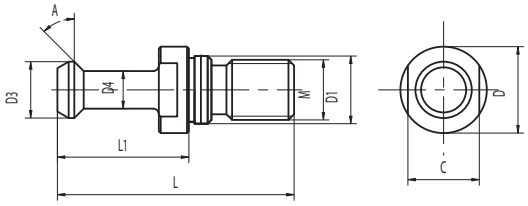
MAS-BT->DIN 69871

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的



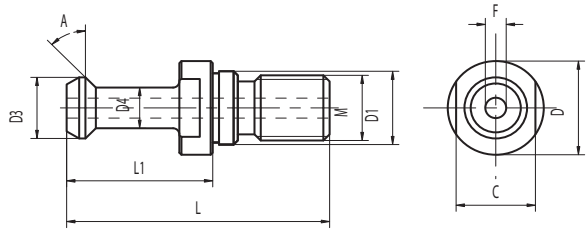
CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C
217-22090	40	45°	M16	32	57	23	17	15	10	19
217-22027	40	90°	M16	32	57	23	17	15	10	19

Not drilled • Non forato • No perforado • Ohne Bohrung • Non Percée • Без отверстия • 未钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令



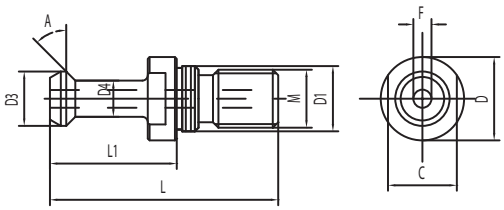
CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C
217-21408	40	45°	M16	32	57	23	17	15	10	19
217-21409	40	90°	M16	32	57	23	17	15	10	19

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的



CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C	F
217-22213	40	45°	M16	32	57	23	17	15	10	19	4

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ringw • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

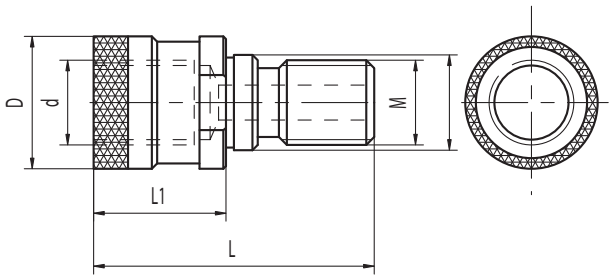


CODE N.	ISO	A	M	L1	L	D	D1	D3	D4	C	F
217-22322	40	30°	M16	32	57	23	17	15	10	19	4
217-22323	40	45°	M16	32	57	23	17	15	10	19	4

ADAPTOR PULL STUDS ACCORDING TO DIN 2080

SPANNBOLZEN MIT RINGNUT NACH DIN 2080 CODOLO ADATTATORE DIN 2080
TIRANTE ADAPTADOR DIN 2080 ADAPTATION SUIVANT DIN 2080
ПЕРЕХОДНИКИ К ТЯНУЩИМ ШТАНГАМ ПО DIN 2080 符合 DIN 2080 标准的拉动式双头螺柱接头

DIN 2080



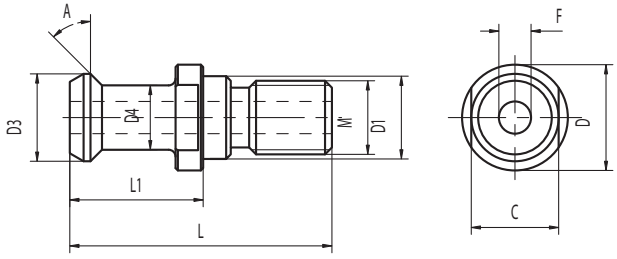
CODE N.	ISO	M	d	D	D1	L	L1
217-22025	TC40	M16	M16	25.3	17	53	25
217-22040	BT40	M16	M16	25.3	17	56	28
217-22024	50	M24	M24	39,6	25	65	25

JIS. B6339 PULL STUD

SPANNBOLZEN JIS. B6339 CODOLO DI AGGANCIO JIS. B6339
TIRANTE JIS. B6339 TIRETTE JIS. B6339
ТЯНУЩИЕ ШТАНГИ ПО JIS. B6339 JIS. B6339*双头螺柱

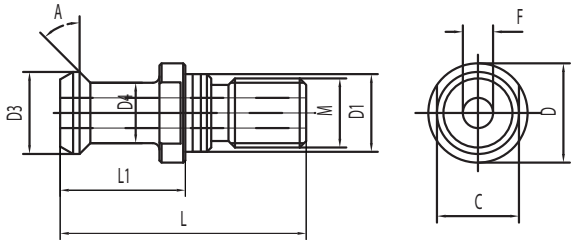
JIS. B6339

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的



CODE N.	ISO	A	M	D	D1	D3	D4	L	L1	C	F
217-22325	30	15°	M12	16,5	12,5	12	8	43	23,4	14	4
217-22134	40	15°	M16	23	17	19	14	54	29	19	7

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

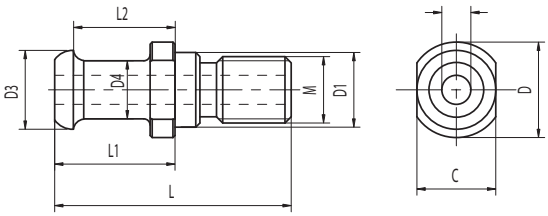


CODE N.	ISO	A	M	D	D1	D3	D4	L	L1	C	F
217-22326	40	15°	M16	23	17	19	14	54	29	19	4
217-22327	40	15°	M16	23	17	19	14	54	29	19	7
217-22328	50	15°	M24	38	25	28	21	74	34	30	10

CB FERRARI PULL STUD

SPANNBOLZEN CB FERRARI CODOLO DI AGGANCIO CB FERRARI
TIRANTE CB FERRARI TIRETTE CB FERRARI
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ CB FERRARI CB 法拉利拉动式双头螺柱

CB FERRARI

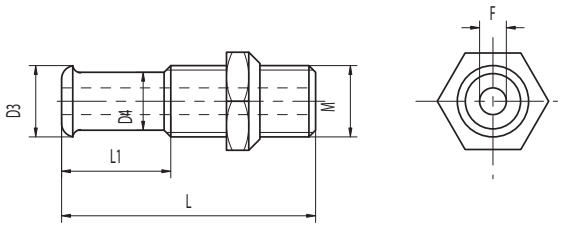


CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	F
217-22017	40	M16	23	17	19	15	54	26	20,31	19	5

JIS. B6339 PULL STUD

SPANNBOLZEN CB FERRARI WITH NUT PULL STUD CODOLO DI AGGANCIO CB FERRARI
TIRANTE CB FERRARI TIRETTE CB FERRARI AVEC ECROU
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ CB FERRARI JIS. B6339 拉动式双头螺柱

CB FERRARI

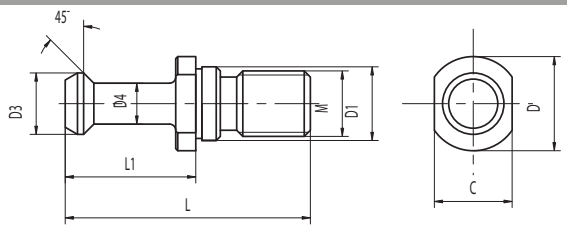


CODE N.	ISO	M	D3	D4	L	L1	F
217-22046	40	M16	16	12	57	23	5

CHIRON PULL STUD

SPANNBOLZEN CHIRON CODOLO DI AGGANCIO CHIRON
TIRANTE CHIRON TIRETTE CHIRON
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ CHIRON 凯龙拉动式双头螺柱

CHIRON

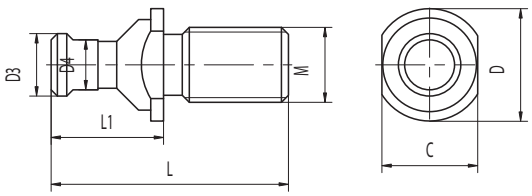


CODE N.	ISO	M	D	D1	D3	D4	L	L1	C
217-22048	30	M12	16	13	10	6	36	20	14

CORREA PULL STUD

SPANNBOLZEN CORREA CODOLO DI AGGANCIO CORREA
TIRANTE CORREA TIRETTE CORREA
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ CORREA 科里亚拉动式双头螺柱

CORREA

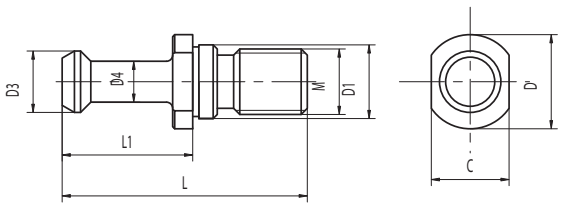


CODE N.	ISO	M	D	D3	D4	L	L1	C
217-22135	50	M24	36	20	16	76	36	30

FAMUP TYPE PULL STUDS

SPANNBOLZEN TYP FAMUP CODOLI DI AGGANCIO TIPO FAMUP
TIRANTE FAMUP TIRETTES TYPE FAMUP
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ FAMUP FAMUP 类型拉动式双头螺柱

FAMUP

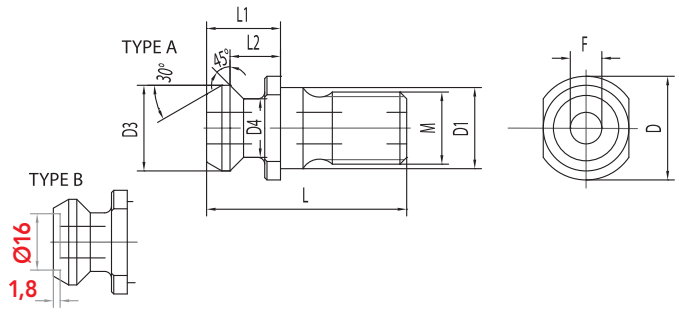


CODE N.	ISO	M	D	D1	D3	D4	L	L1	C
217-22137	30	M12	16	13	9,8	5,8	40	20	14
217-22051	40	M16	23	17	13,8	9,8	55	27	19

MAZAK TYPE PULL STUDS

SPANNBOLZEN TYP MAZAK CODOLI DI AGGANCIO TIPO MAZAK
TIRANTE DE TIPO MAZAK TIRETTES TYPE MAZAK
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ MAZAK MAZAK 型拉动式双头螺柱

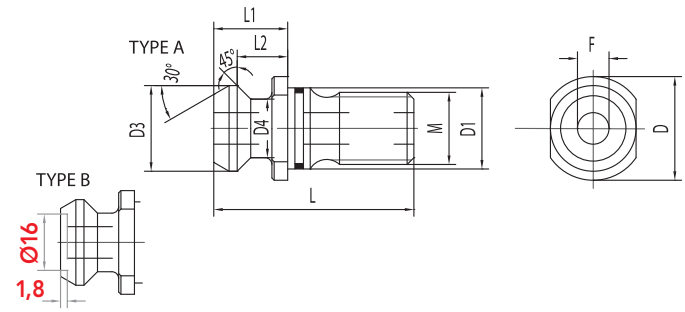
MAZAK



CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	F	TYPE	SUITABLE FOR
217-22003	40	M16	21,8	17	18,79	12,44	41,25	16,25	11,17	7	A	DIN69871/CAT40
217-22047	40	M16	22	17	18,79	12,44	44,1	19,1	14,02	7	A	MAS BT40
217-22187	50	M24	35,5	25	28,95	20.8	65.4	25.4	17.78	10	B	DIN69871/CAT50
217-22355	50	M24	37	25	28,95	20.8	65.2	25.2	17.58	10	B	MAS BT50
217-22356	50	M24	37	25	28,95	20.8	65.2	25.2	17.58	10	A	MAS BT50

Drilled • Forato • Perforado • Gebohrt • Percée • С отверстием • 钻孔的
With O'ring • Con OR di tenuta • Con O-Ring • Mit O'Ring • Avec joint torique • С кольцом • 带O'令

MAZAK

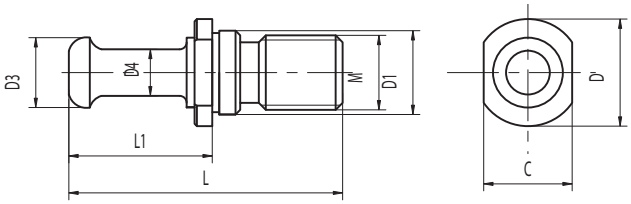


CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	F	TYPE	SUITABLE FOR
217-22313	40	M16	21,8	17	18,79	12,44	41,25	16,25	11,17	7	A	DIN69871/CAT40
217-22314	40	M16	22	17	18,79	12,44	44,1	19,1	14,02	7	A	MAS BT40
217-22315	50	M24	35,5	25	28,95	20.8	65.4	25.4	17.78	10	B	DIN69871/CAT50
217-22357	50	M24	37	25	28,95	20.8	65.2	25.2	17.58	10	B	MAS BT50
217-22358	50	M24	37	25	28,95	20.8	65.2	25.2	17.58	10	A	MAS BT50

RAMBAUDI TYPE PULL STUDS

SPANNBOLZEN TYP RAMBAUDI CODOLO DI AGGANCIO TIPO RAMBAUDI
TIRANTE RAMBAUDI TIRETTES TYPE RAMBAUDI
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ RAMBAUDI RAMBAUDI 型拉动式双头螺柱

RAMBAUDI

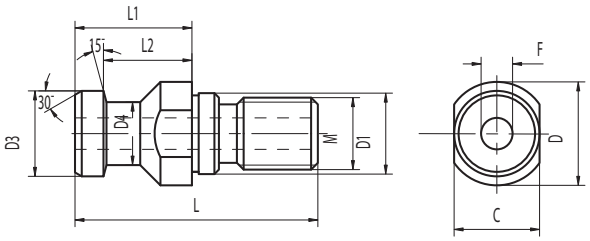


CODE N.	ISO	M	D	D1	D3	D4	L	L1	C
217-22049	40	M16	24	17	14,6	10	52	27	19
217-22050	50	M24	35,8	25	20	16	79,5	39,5	30

CB FERRARI PULL STUD

SPANNBOLZEN CB FERRARI CODOLO DI AGGANCIO CB FERRARI
TIRANTE CB FERRARI TIRETTE CB FERRARI
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ CB FERRARI CB 法拉利拉动式双头螺柱

TIRANTE CB FERRARI

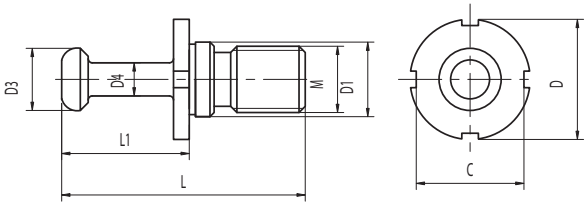


CODE N.	ISO	M	D	D1	D3	D4	L	L1	L2	C	F
217-22253	40	M16	23	17	19	14	54	29	23	19	7

SECMU PULL STUD

SPANNBOLZEN SECMU CODOLO DI AGGANCIO SECMU
TIRANTE SECMU TIRETTE SECMU
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ SECMU SECMU 拉动式双头螺柱

SECMU

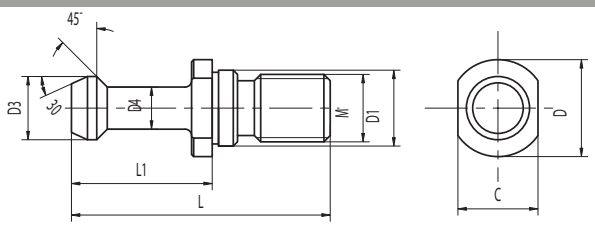


CODE N.	ISO	M	D	D1	D3	D4	L	L1	C
217-22138	50	M24	40	25	17,5	9,8	64	29	36

CINCINNATI PULL STUD

SPANNBOLZEN CINCINNATI CODOLO DI AGGANCIO CINCINNATI
TIRANTE CINCINNATI TIRETTE CINCINNATI
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ CINCINNATI 辛辛那提拉动式双头螺柱

CINCINNATI

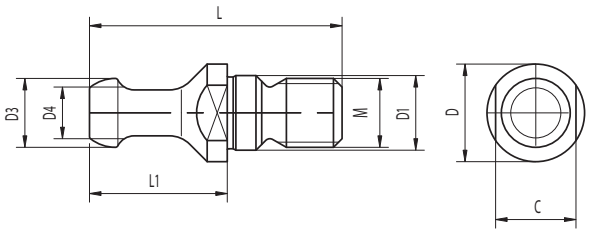


CODE N.	ISO	M	D	D1	D3	D4	L	L1	C	F
217-22010	40	M16	22,2	17	15	10,3	67,3	39,4	19	3,8
217-22030	40	M16	22,2	17	15	10,3	67,3	36,6	18	3,8

BIESSE PULL STUD

SPANNBOLZEN BIESSE CODOLO DI AGGANCIO BIESSE
TIRANTE BIESSE TIRETTE BIESSE
ТЯНУЩИЕ ШТАНГИ ДЛЯ СТАНКОВ BIESSE BIESSE 拉动式双头螺柱

BIESSE

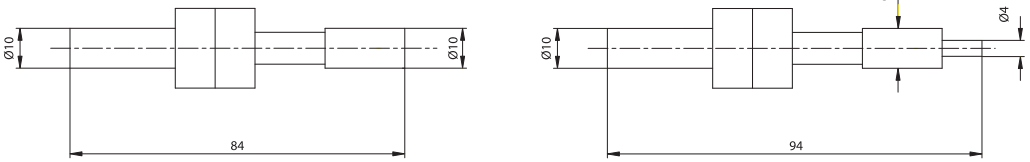


CODE N.	ISO	M	D	D1	D3	D4	L	L1	C
217-22158	30	M12	17	13	12	8	44	24	14

EDGE FINDER MECHANICAL

KANTENTASTER MECHANISCH TASTATORE MECCANICO
CENTRADOR MECANICO PINULE DE CENTRAGE MECANIQUE
ЦЕНТРОИСКАТЕЛИ 偏心式巡边器

CODE N.		L	D
832-021113	10 x 10	84	10
832-021114	10 x 4	94	4



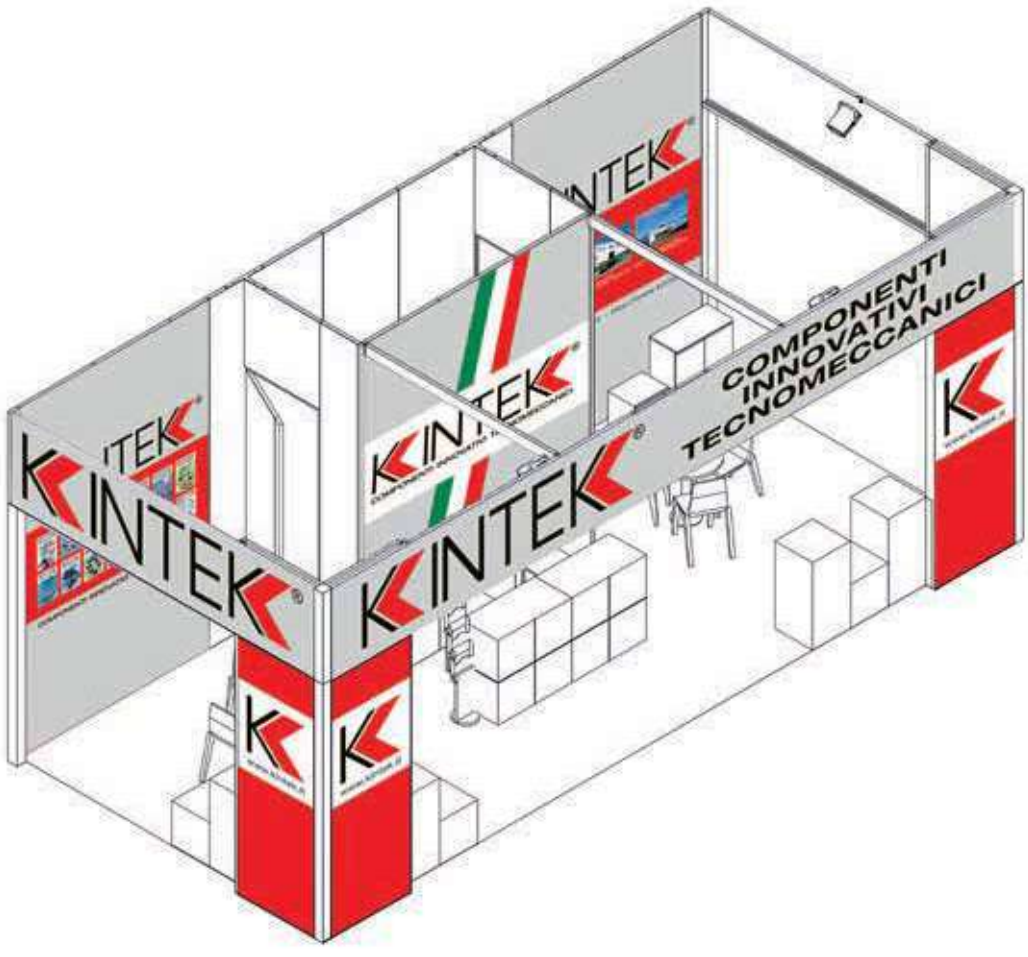
ASSEMBLY SUPPORT ECONOMIC VERSION

MONTAGEBLOCK SUPPORT D'ASSEMBLAGE
SOPORTE DE MONTAJE SUPPORTO DI MONTAGGIO VERSIONE ECONOMICA
УСТРОЙСТВО ДЛЯ СБОРКИ ИНСТРУМЕНТА. ЭКОНОМИЧНАЯ ВЕРСИЯ. 经济型支撑组件

CODE N.	ISO	ATTACK
268-30001	40	DIN 2080/DIN 69871 MAS 403BT / ANSI B5.50 CAT / HSK63A-C-D-E
268-30002	50	DIN 2080/DIN 69871 MAS 403BT / ANSI B5.50 CAT / HSK 100A-C-D-E

ECONOMIC VERSION

KINTEK
www.kintek.it
COMPONENTI
INNOVATIVI
TECNOMECCANICI


KINTEK
COMPONENTI
INNOVATIVI
TECNOMECCANICI

ASSEMBLY SUPPORTS

MONTAGEBLOCK SUPPORTO DI MONTAGGIO
SOPORTE DE MONTAJE SUPPORTS D'ASSEMBLAGE
СТОЙКА ДЛЯ СБОРКИ ИНСТРУМЕНТА 支撑组件

It is very useful for all assembly and disassembly operations of the tools on the toolholders, either in horizontal or in vertical position. This process is carried out without any risk to damage casually the tool or the toolholder. It is a very simple system suitable for monolithic toolholders.

Consente di effettuare tutte le operazioni di montaggio e smontaggio degli utensili sui mandrini, sia in orizzontale che in verticale. Questi procedimenti avvengono con razionalitá, sicurezza, rapiditá e senza alcun rischio di danneggiare il mandrino o l'utensile. È il sistema che offre la massima semplicitá d'uso per i mandrini monolitici.

Permite efectuar todas las operaciones de montaje y desmontaje de las herramientas sobre los conos, tanto en horizontal como en vertical. Esos procedimientos se realizan con racionalidad, seguridad, rapidez y sin algún riesgo de dañar el cono o la herramienta. Es un sistema que ofrece la máxima simplicidad de uso para los conos monolíticos.

Dieses unkompliziertes System erlaubt die schnelle und sichere Montage und Demontage von Steilkegelaufnahmen in horizontaler und vertikaler Lage. Das Risiko der Werkzeugbeschädigung ist ausgeschlossen. Dieses einfache und sichere System eignet sich für alle Steilkegelaufnahmen.

Il permets d'effectuer toutes les opérations de montage / assemblage / démontage des outils sur les mandrins. Ces proces se déroulent avec rationalité, sureté, vitesse et sans aucun risque d'endommagement accidentel du mandrin ou de l'outil. C'est un systéme qui offre la plus haute simplicité d'usage et il est bien indiqué pour les mandrin monolitiques.

Приспособление очень удобно для операций сборки и демонтажа инструмента, как в вертикальном, так и в горизонтальном положении. Оно позволяет избежать повреждения оправок или режущего инструмента. Это простое приспособление подходит для монолитных оправок.

它对于所有将工具以垂直或水平方向安装在刀柄上和从刀柄上拆除，均非常有用。这一过程的执行不会对工具或刀柄产生任何破坏的风险。这一非常简单的系统适用于整体式刀柄。

CODE N.	ISO	ATTACK
237-32110	30	DIN 2080
237-32310	40	DIN 2080
237-32510	50	DIN 2080
237-32120	30	DIN 69871
237-32320	40	DIN 69871
237-32520	50	DIN 69871
237-32130	30	MAS 403/BT
237-32330	40	MAS 403/BT
237-32530	50	MAS 403/BT
237-33320	40	DIN 69871-DOUBLE CONTACT
237-33520	50	DIN 69871-DOUBLE CONTACT
237-33120	30	MAS 403/BT-DOUBLE CONTACT
237-33330	40	MAS 403/BT-DOUBLE CONTACT
237-33530	50	MAS 403/BT-DOUBLE CONTACT

KINTEK®

EXTENSION COLLET CHUCKS KITS

ZYLINDRISCHE SPANNFUTTER-SATZ KIT PORTAPINZE CILINDRICI
SET DE PORTAPINZAS CILINDRICOS JEUX PORTE-PINCES À QUEUE CYLINDRIQUE
НАБОРЫ УДЛИНИТЕЛЕЙ С ЦАНГАМИ 加长夹头变径套组套

CODICE CODE	DESCRIZIONE DESCRIPTION
KIT PPC-ER16M	N°1 portapinze cilindrici Ø 12x80 ER16M N°1 portapinze cilindrici Ø 16x130 ER16M N°1 portapinze cilindrici Ø 20x160 ER16M N°10 pinze ER16 (Ø 1 2 3 4 5 6 7 8 9 10) N°1 chiave per ER16M N°1 extension collet chuck Ø 12x80 ER16M N°1 extension collet chuck Ø 16x125 ER16M N°1 extension collet chuck Ø 20x160 ER16M N°10 collets ER16 (Ø 1 2 3 4 5 6 7 8 9 10) N°1 wrench ER16M

TOOL HOLDERS KIT

SK-SPANNFUTTERSATZ KIT MANDRINI
SET DE PORTAHERRAMIENTAS JEUX PORTE-PINCES
НАБОРЫ ИНСТРУМЕНТАЛЬНЫХ ОПРАВОК 刀柄组套

ISO 40

CODE DIN 69871	CODE MAS 403/BT	DESCRIZIONE DESCRIPTION	
KIT MAN TC 40	KIT MAN BT 40	N°2 portapinze ER25	N°2 collet chucks ER25
		N°5 portapinze ER32	N°5 collet chucks ER32
		N°1 portafrese fisso D16	N°1 milling arbor D16
		N°1 portafrese fisso D22	N°1 milling arbor D22
		N°1 portafrese fisso D27	N°1 milling arbor D27
		N°1 portafrese weldon Ø16	N°1 side lock holder Ø16
		N°1 portafrese weldon Ø20	N°1 side lock holder Ø20
		N°1 portafrese weldon Ø25	N°1 side lock holder Ø25
		N°1 portapunte CM2	N°1 adaptor mills/drills MT2
		N°1 portapunte CM3	N°1 adaptor mills/drills MT3
		N°1 maschiatore M3-M12	N°1 tap holder M3-M12
		N°5 bussole portamaschi (Ø4.5-6-8-9-10)	N°5 tap adaptors (Ø4.5-6-8-9-10)
		N°10 pinze ER25 (Ø2 3 4 5 6 10 12 14 16)	N°10 collets ER25 (Ø2 3 4 5 6 10 12 14 16)
		N°10 pinze ER32 (Ø3 4 6 8 10 12 14 16 18 20)	N°10 collets ER32 (Ø3 4 6 8 10 12 14 16 18 20)
		N°1 chiave per ER25	N°1 wrench ER25
		N°1 chiave per ER32	N°1 wrench ER32

ISO 50

CODE DIN 69871	CODE MAS 403/BT	DESCRIZIONE DESCRIPTION	
KIT MAN TC 50	KIT MAN BT 50	N°1 portapinze ER25	N°1 collet chuck ER25
		N°1 portapinze ER25 prolungato	N°1 collet chuck ER25 extended
		N°3 portapinze ER32	N°3 collet chucks ER32
		N°1 portapinze ER32 prolungato	N°1 collet chuck ER32 extended
		N°1 portafrese fisso D22	N°1 milling arbor D22
		N°1 portafrese fisso D27	N°1 milling arbor D27
		N°1 portafrese fisso D32	N°1 milling arbor D32
		N°1 portafrese weldon Ø16	N°1 side lock holder Ø16
		N°1 portafrese weldon Ø20	N°1 side lock holder Ø20
		N°1 portafrese weldon Ø25	N°1 side lock holder Ø25
		N°1 portafrese weldon Ø32	N°1 side lock holder Ø32
		N°1 portapunte CM2	N°1 adaptor mills/drills MT2
		N°1 portapunte CM3	N°1 adaptor mills/drills MT3
		N°1 maschiatore M6-M20	N°1 tap holder M6-M20
		N°5 bussole portamaschi (Ø6 8 10 12 16)	N°5 tap adaptors (Ø6 8 10 12 16)
		N°10 pinze ER25 (Ø2 3 4 5 6 8 10 12 14 16)	N°10 collets ER25 (Ø2 3 4 5 6 8 10 12 14 16)
		N°10 pinze ER32 (Ø3 4 6 8 10 12 14 16 18 20)	N°10 collets ER32 (Ø3 4 6 8 10 12 14 16 18 20)
		N°1 chiave per ER25	N°1 wrench ER25
		N°1 chiave per ER32	N°1 wrench ER32

KINTEK®

HSK TOOLHOLDER AND ACCESSORIES

MANDRINI HSK E ACCESSORI

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HSK TOOLHOLDER AND ACCESSORIES

MANDRINI HSK E ACCESSORI

HSK STEILKEGELAUFNAHMEN UND ZUBEHÖR

CONOS HSK Y ACCESORIOS

MANDRINS HSK ET ACCESSOIRES

ОПРАВКИ HSK, ЗАПАСНЫЕ ЧАСТИ И ПРИНАДЛЕЖНОСТИ

HSK 刀柄及附件

- **DIN 69893 A+C** pagg. **210-234**
- **DIN 69893 E** pagg. **235-240**
- **DIN 69893 F** pagg. **241-249**
- **HSK ACCESSORIES** pagg. **250-251**

KINTEK®

COMPONENTI INNOVATIVI TECNOMECCANICI

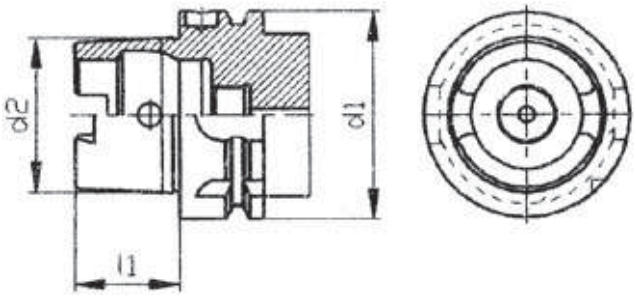
DIN 69893 A+C

TABLE OF DIMENSIONS ACCORDING TO DIN 69893 STANDARD

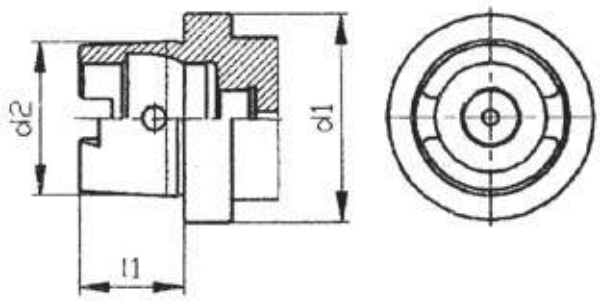
TABELLE DER ABMESSUNGEN UND DER FORMEN NACH DIN 69893
TABLA DE LOS TAMAÑOS DE ACUERDO CON DIN 69893
ТАБЛИЦА РАЗМЕРОВ ПО СТАНДАРТУ DIN
TAVOLA RIASSUNTIVA DELLE GRANDEZZE E DELLE FORME SECONDO DIN 69893
TABLE DE DIMENSIONS SUIVANT DIN 69893
根据 69893 标准的尺寸表

DIN 69893 A+C

HSK A



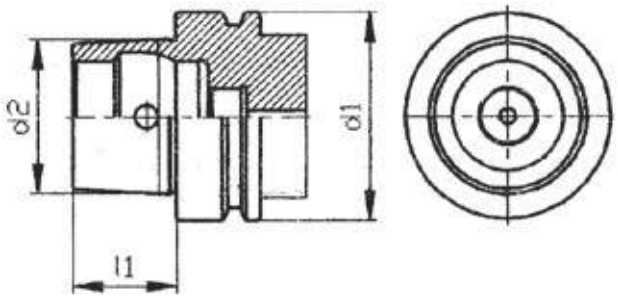
HSK C



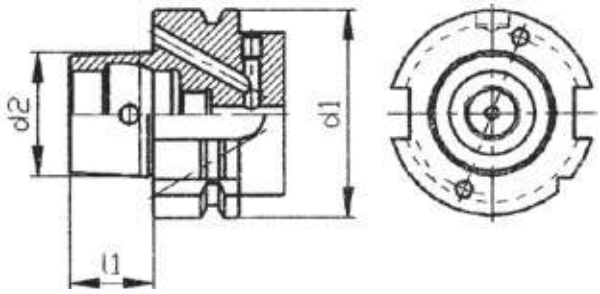
HSK A / C / E

d1 Nominal dia.	d2 Taper dia.	l1 Taper lenght
32	24	16
40	30	20
50	38	25
63	48	32
100	75	50
125	95	63

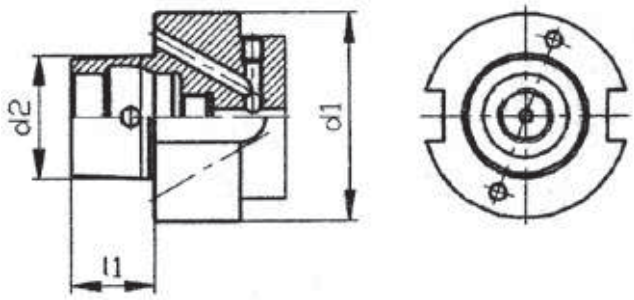
HSK E



HSK B



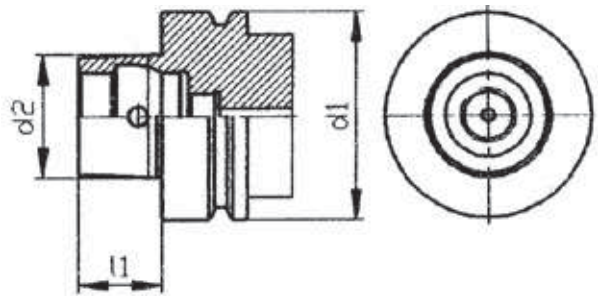
HSK D



HSK B / D / F

d1 Nominal dia.	d2 Taper dia.	l1 Taper lenght
40	24	16
50	30	20
63	38	25
100	60	40

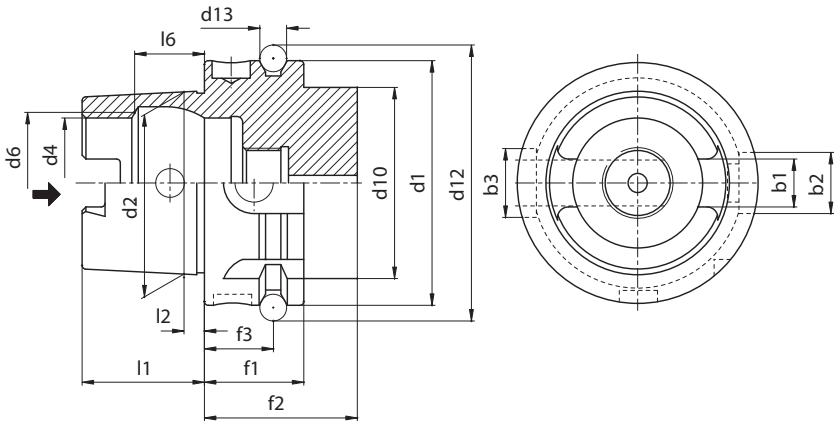
HSK F



TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
CARACTERISTICAS TECNICAS DE LOS CONOS DONNES TECHNIQUES QUEUE D'OUTILS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ 锥柄数据表

DIN 69893 A+C



	HSK 32	HSK 40	HSK 50	HSK 63	HSK 100	HSK 125
b1	7.05	8,05	10,54	12,54	20,02	25,02
b2	7	9	12	16	20	25
b3	9	11	14	18	22	28
d1	32	40	50	63	100	125
d2	24	30	38	48	75	95
d4	17	21	26	34	53	67
d6	19	23	29	37	58	73
d10	26	34	42	53	88	111
d12	37	45	59,3	72,3	109,75	134,75
d13	4	4	7	7	7	7
f1	20	20	26	26	29	29
f2	35	35	42	42	45	45
f3	16	16	18	18	20	20
l1	16	20	25	32	50	63
l2	3.2	4	5	6,3	10	12,5
l6	8.92	11,42	14,13	18,13	28,56	36,27

FORM A

- Used on machining centres, milling machines, turning machines, special machines with automatic tool change.
- Central, axial coolant supply through coolant tube.
- Torque transmission via two key slots at end of taper.
- Two slots on collar for tool magazine, location edge. Hole for data carrier DIN 69893 in collar.

FORMA A

- Usato su centri di lavoro, fresatrici e macchine speciali con cambio utensile automatico.
- Adduzione refrigerante centrale.
- Coppia trasmessa con due chiavette al fondo della sede conica.
- Tacche di riferimento sulla flangia per riferimento posizione tagliente. Foro di predisposizione al sistema di riconoscimento a norme DIN 69893 sull'esterno flangia.

FORM A

- Anwendung für Bearbeitungszentren, Fräsmaschinen, Drehmaschinen, Sondermaschinen mit automatischem Werkzeugwechsel.
- Zentrale, axiale Kühlmittelzufuhr über Kühlmittelrohr.
- Drehmomentübertragung über zwei Mitnehmernuten am Kegelende.
- Zwei Bundnuten für Werkzeugmagazin, Positionskerbe.
  Bohrung für Datenträger DIN 69893 im Bund.
- Balluffchip

FORMA A

- Utilizado en los centros de mecanizados, fresadoras y maquinas especiales con cambio herramientas automático
- Refrigeración por el centro
- Par transmitido con dos chavetas al fondo de la sede cónica
- Marcas de referencia sobre la valona para la referencia de la posición del filo. Agujero de predisposición al sistema de reconocimiento a las normativas DIN 69893 en el exterior de la valona

FORME A

- Utilisation sur les centres d'usinage, les fraiseuses, les machines spéciales à changement d'outils automatique.
- Alimentation centrale, axiale du liquide de lubrification par tube d'arrosage.
- Trasmission du couple par deux gorges d'entraînement à l'extrémité du cône.
- Deux gorges magasin à outils, entaille de positionnement, perçage pour support de données DIN 69893 dans l'épaulement.

ИСПОЛНЕНИЕ A

- Применяются в обрабатывающих центрах, фрезерных станках для тяжелой обработки, токарных станках.
- Усиленный фланец.
- Подача СОЖ либо боковая - через отверстия во фланце, либо центральная – через центральный канал оправки.
- Передача крутящего момента осуществляется через шпоночные пазы на конце конуса.
- На фланце находятся два паза для хранения оправки в инструментальном магазине, а также отверстие для датчика позиционирования.

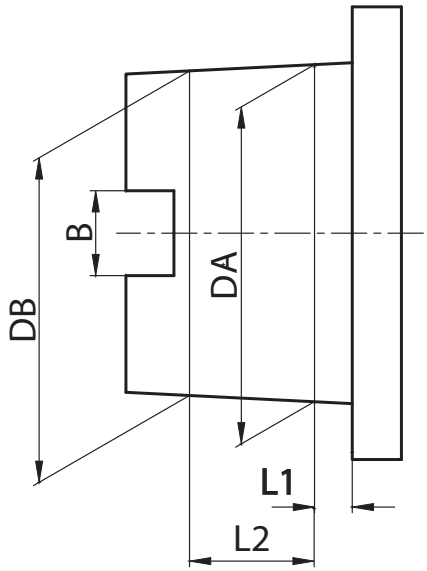
FORMA A

- 用于机械加工中心、铣床、车床及配备自动更换工具的专用机器。
- 通过冷却剂管道向中心或轴来供应冷却剂。
- 通过在锥体末端的两个键槽进行扭矩传输。
- 在工具库的位置边缘的颈圈上有两个槽，它们是数据传送孔。

CONE'S TOLERANCE

KEGELSCHAFTTOLERANZEN TOLLERANZA DEL CONO
TOLERANCIA DEL CONO TOLERANCE DU CONE
ТОЧНОСТЬ КОНУСА 锥体误差

DIN 69893 A+C



HSK	L1	L2	D.A.		D.B.		B (only type A+C)
32 A+C	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	-
50 A+C+E	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	-
63 A+C+E	6,3	14,7	48	+0.007 +0.011	46,53	+0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	-
100 A+C	10	24	75	+0.009 +0.015	72,6	+0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60	+0.008 +0.013	58,1	+0.003 +0.008	-
125 A+C	12,5	30,5	95	+0.008 +0.013	91,9	+0.003 +0.008	25,02 +/- 0,04

KINTEK TOOLHOLDERS

All KINTEK toolholders are manufactured according to DIN norms.
(these norms provide the same classes of tolerance for the attachment DIN69893 A+C, B+D, E, F)

COLLET CHUCK'S RUNOUT ACCURACY
The norm DIN 69882-6 permits a runout error of 0,005 mm. for DIN6499/ISO15488 collet chucks.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY
Our shell end mill adaptors meet the requirements of the norm DIN 69882-2, which prescribes for diameters Ø 16,22,27,32 a runout accuracy of 0,01

WELDON END MILL HOLDER'S RUNOUT ACCURACY
According to norm DIN 69882-4 Weldon end mill holders have to meet the following requirements: Bore: H5 / Runout accuracy: 0.005.

CONSTRUCTIVE FEATURES
- Manufactured with casehardening Steel.
- Casehardened with depth 0,4 - 0,5 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Internal and external grinding finish of the cone
- Grinding finish on the front side and on the thread of collet nuts.
- Tested 100% with certified measuring instruments and supplied with balancing certificate

STEILGEKELAUFNAHMEN HSK

Alle KINTEK - Steilgekelaufnahmen werden nach den DIN - Normen angefertigt.
(Diese Normen sehen die gleichen Toleranzklassen für die DIN 69893 A+C, B+D, E, F Aufnahmen vor)

SPANNZANGENAUFNAHME RUNDLAUFGENAUIGKEIT
Die DIN69882-6 Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel / Spannzangensitz für die DIN6499/ISO15488- Spannzangenaufnahmen von 0,005 vor.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Kintek-Aufsteckfräsdorne entsprechen der DIN 69882-2 Norm, die für die Ø 16,22,27,32 eine Rundlaufgenauigkeit von 0,01 vorsieht.

WELDON - AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Nach der DIN 69882-4 Norm muß der Weldon- Aufsteckfräsdorn die folgenden Forderungen aufweisen: Bohrung: H5 / Rundlaufgenauigkeit: 0.005.

KONSTRUKTIONSDATEN
- aus Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,4-0,5 mm
- gehärtet, angelassen
- Härte HRC 58 +- 2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen des Kegels
- Schleifen der Vorderseite und am Gewinde der Spannzangenmutter
- 100% durch zertifizierte Meßinstrumente geprüft und mit Wuchtungsprotokoll geliefert

MANDRINI KINTEK CON ATTACCO HSK

Tutti i mandrini portautensili KINTEK vengono prodotti secondo le normative DIN
(dette normative prevedono le stesse classi di tolleranza per gli attacchi DIN69893 A+C, B+D, E, F)

COASSIALITÀ PORTAPINZA
La normativa DIN 69882-6. ammette un'errore massimo di 0,005 mm. per i portapinze DIN6499/ISO15488

COASSIALITÀ PORTAFRESE FISSI E COMBINATI
I portafrese fissi e combinati rispondono ai criteri prescritti dalla norma DIN 69882-2 la quale prevede per i Ø 16,22,27,32 una coassialita' di 0,01

COASSIALITÀ PORTAFRESE WELDON
Secondo la normativa DIN 69882-4 il portafrese WELDON deve rispondere ai seguenti requisiti: Foro: H5 / Coassialitá: 0.005.

DATI COSTRUTTIVI
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,4 - 0,5 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna del cono
- Rettifica parte anteriore e nelle filettature delle ghiere chiudipinza
- Collaudati 100% con strumenti di misura certificati e forniti con certificato di bilanciatura.

CONOS KINTEK CON ACOPLAMIENTO HSK

Todos los conos portaherramientas KINTEK son fabricados de acuerdo con las normativas DIN (esas normativas prevén las mismas clases de tolerancia para los mangos DIN69893 A+C, B+D, E, F)

CONCENTRICIDAD DE LOS PORTAPINZAS
La normativa DIN69882-6 permite un error máximo de 0.005 MM para los portapinzas DIN6499/ISO15488

CONCENTRICIDAD DE LOS PORTAFRESAS
Los portafresas de nuestra producción cumplen los criterios establecidos desde la normativa DIN 69882-2, que prevé para los diámetros 16-22-27-32 una concentricidad de 0,01

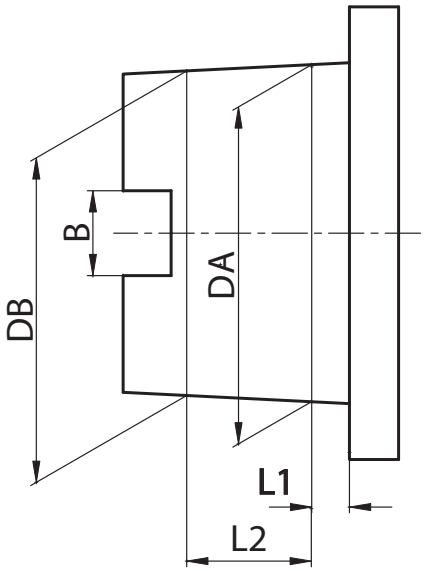
CONCENTRICIDAD DE LOS PORTAFRESAS WELDON
Respetando la normativa DIN69882-4 los porta fresas Weldon tienen que cumplir los siguientes requisitos: Agujero: H5 - Concentricidad: 0,005

CARACTERISTICAS DE CONSTRUCCION
- Fabricados con acero de cementación
- Capa de cementado con 0,4 – 0,5 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior y exterior rectificados
- Rectificados en la parte anterior y en el roscado de la tuerca de cierre
- Testado 100% y con certificado de calidad

CONE'S TOLERANCE

KEGELSCHAFTTOLERANZEN TOLLERANZA DEL CONO
TOLERANCIA DEL CONO TOLERANCE DU CONE
ТОЧНОСТЬ КОНУСА 锥体误差

DIN 69893 A+C



HSK	L1	L2	D.A.		D.B.		B (only type A+C)
32 A+C	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	-
50 A+C+E	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	-
63 A+C+E	6,3	14,7	48	+0.007 +0.011	46,53	+0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	-
100 A+C	10	24	75	+0.009 +0.015	72,6	+0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60	+0.008 +0.013	58,1	+0.003 +0.008	-
125 A+C	12,5	30,5	95	+0.008 +0.013	91,9	+0.003 +0.008	25,02 +/- 0,04

MANDRINS KINTEK HSK

Tous les mandrins porte-outils KINTEK sont fabriqués selon les les normes DIN (qui prévoient les mêmes classes de tolérance pour les attachement DIN69893 A+C, B+D, E, F)

COAXIALITE' PORTE-PINCE
La norme DIN 69882-6 permet une erreur de 0,005 mm. Maximum pour les porte pinces DIN6499/ISO15488

COAXIALITE' PORTE-FRAISES FIXES ET COMBINES
Les porte-fraises fixes et combinés suivent les spécifications de la norme DIN 69882-2 qui prévoit pour les diamètres Ø 16,22,27,32 une coaxialité de 0,01

COAXIALITE' PORTE-FRAISES WELDON
Suivant les spécifications DIN 69882-4 les porte-fraises WELDON doivent suivre les conditions suivantes: Trou: H5 / Coaxialité: 0.005.

ELEMENTS DE CONSTRUCTION
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,4 - 0,5 mm
- Trempés - Revenus
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Finition de rectification intérieure, extérieure et du cône
- Rectification du cône intérieur et dans le filetage des écrous qui serrent la pince.
- Contrôlés à 100 % avec des instruments de mesure certifiés et livrés avec un certificat d'équilibrage.

ОПРАВКИ KINTEK

Все оправки Kintek произведены согласно стандарту DIN.
(Эти нормы обеспечивают тот же класс точности как DIN 6983 A+C, B+D, E, F)

БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
В соответствие с нормами DIN 69882-6, допустимое биение составляет 0,005 мм для цанговых патронов по DIN6499/ISO15488.

БИЕНИЕ ОПРАВОК ДЛЯ НАСАДНЫХ ФРЕЗ
Патроны изготовлены в соответствие с требованиями DIN 69882-2, согласно которым биение для диаметров 16-22-27-32-40 составляет 0,01.

БИЕНИЕ ПАТРОНОВ С КРЕПЛЕНИЕМ WELDON
Оправки соответствуют следующим требованиям DIN 69882-4:
Точность отверстия: H5 / Биение: 0,005

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,4 - 0,5 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внутренняя и внешняя поверхности конуса
- Шлифованный торец и резьба под гайку в цанговых патронах
- Каждая оправка испытана и поставляется с сертификатом о балансировке

KINTEK 刀柄

所有 KINTEK 刀柄均是根据 DIN 标准制造的。
(这些标准规定了与附件 DIN69893 A+C, B+D, E, F 相同级别的误差)。

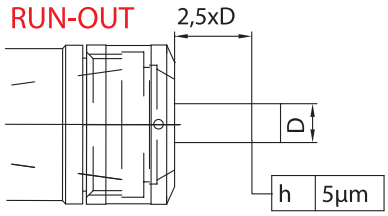
弹簧夹头的径向跳动精度
DIN69882-6 标准允许 DIN6499/ISO15488 弹簧夹头的径向跳动误差为 0,005 毫米。

平面铣接头的径向跳动精度
我公司的平面铣接头满足 DIN 69882-2 标准要求，该标准规定了直径为 16，22，27，32 的径向跳动精度为 0，01。

威尔登端铣刀夹具的径向跳动精度
根据 DIN 69882-4 标准规定，威尔登端铣夹具必须要达到下列要求：
孔：H5 / 径向跳动精度：0.005.

结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,4 - 0,5 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- 黑色氧化。
- 锥体内部及外部表面进行打磨处理。
- 夹头螺母的螺纹正面和上面经过打磨处理。
- 100% 使用经过认证的测量仪器检测，提供平衡证书。

GREAT ACCURACY - HIGH PRECISION LINE



- **RUN OUT 5 MICRON at 2,5 times the diameter achieved only by using HP ER collets.**
  The High level of accuracy is achieved either on the NOMINAL DIAMETER or by clamping the tool whose diameter is maximum 0,5 mm smaller than the nominal diameter.
- 20% higher clamping force (compared to standard ER collet chuck system).

- **RUN OUT 5 MICRON a 2,5 il diametro garantito esclusivamente tramite pinze ER PRECISE.**
  L'elevata precisione si ottiene o sul DIAMETRO NOMINALE o chiudendo l'utensile con diametro al massimo di 0,5mm inferiore al diametro nominale.
- Forza di serraggio maggiore del 20% (rispetto a portapinza ER standard).

- **5 MICRON RUNDLAUFGENAUIGKEIT bei 2,5 Mal des Durchmessers nur durch Verwendung von HP-ER Spannzangen erreicht.**
  Das Erreichen der hohen Genauigkeit erfolgt entweder am NENNDURCHMESSER oder durch das Spannen des Werkzeuges, wessen Durchmesser maximal 0,5 mm kleiner als der Nenndurchmesser ist.
- 20% höhere Spannkraft (im Vergleich zum Standard ER Spannzagenfuttersystem)

- **CONCENTRICIDAD DE 5 MICRAS en una longitud de voladizo de la herramienta de hasta 2,5 veces el diámetro de la misma.**
  La alta precisión se obtiene tanto en el DIAMETRO NOMINAL como en la sujeción de la herramienta. Máximo rango de apriete 0.5mm por debajo del diámetro nominal.
- 20% mayor fuerza de apriete en comparación con un portapinzas ER estándar.

- **COAXIALITE 5 MICRON à 2,5 fois le diamètre obtenu uniquement en utilisant des pinces ER PRECISE.**
  Le haut niveau de précision est obtenu soit sur le NOMINAL DIAMETER soit en serrant l'outil dont le diamètre est au maximum 0,5 mm inférieur au diamètre nominal.
- Force de serrage 20% supérieur si comparée au system de porte-pince standard

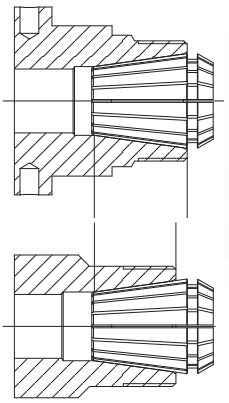
- **RUN OUT с 5 до 2,5 MICRON достигается только при использовании цанг PRECISION ER .**
  Высокий уровень точности достигается либо при зажиме НОМИНАЛЬНОГО ДИАМЕТРА, либо путем зажима инструмата, диаметр которого не должен превышать 0,5мм номинального диаметра.
- Сила зажима на 20% выше по сравнению со стандартнымы цанговымы патронами

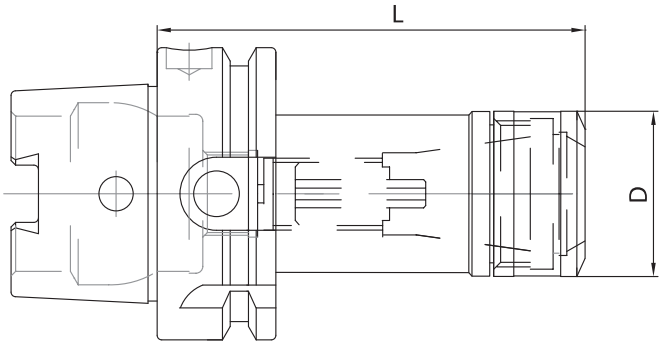
- 使用HP的弹簧筒夹，在2.5倍径的地方刀柄跳⊠达到5u。
  所夹持的刀具需满足标称直径或比标称直径小0.5mm以内才能达到这个精度。

ER COLLET CHUCK

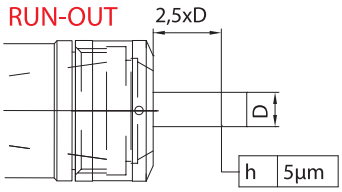
SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

DIN69893 HSKA - DIN 6499





CODE N.	DESCRIPTION	HSK	L	D	ER	G2,5 30000
214-91747	HSK63AH75ER16-HP	63	75	30	16	•
214-91748	HSK63AH75ER25-HP	63	75	40	25	•
214-91749	HSK63AH75ER32-HP	63	75	50	32	•
214-91738	HSK63AH100ER16-HP	63	100	30	16	•
214-91739	HSK63AH100ER25-HP	63	100	40	25	•
214-91740	HSK63AH100ER32-HP	63	100	50	32	•
214-91742	HSK63AH160ER16-HP	63	160	30	16	•
214-91743	HSK63AH160ER25-HP	63	160	40	25	•
214-91744	HSK63AH160ER32-HP	63	160	50	32	•



* Predisposti per pinze **ER/ERHP/ERC**
* Suitable for **ER/ERHP/ERC** collets

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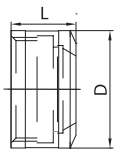
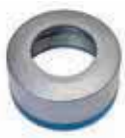
CODE N.	D	D1	ER
816-203069	30	3	16
816-203070	40	4	25
816-203071	50	4	32

CODE N.	D	L	ER
812-203085	30	19,5	16
812-203086	40	22	25
812-203087	50	25	32





COLLET CHUCK KITS

SPANNFUTTERSATZ | KIT PORTAPINZE
SET PORTAPINZAS | JEUX PORTE-PINCES
НАБОРЫ ОПРАВОК С ЦАНГАМИ | 夹头变径套组套

Kit Box: 1 Collet chuck + 10 Collets
Cassetta Corredo: 1 Portapinze + 10 pinze
Ausstattungskasten: 1 Spannzangenfutter + 10 Spannzangen
Contenido del set: 1 Cono portapinzas + 10 pinzas

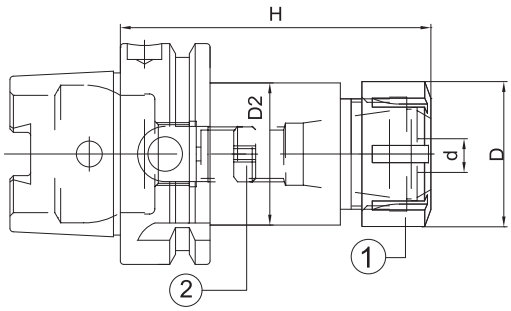
Boite d'équipement: 1 Porte-pince + 10 pinces
Набор: из цангового патрона и цанг
套装: 1个弹簧夹头刀柄+10个夹头

CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
KIT TC40 ER16 HP	N°1 TC40 H70 ER16 HP + N°10 COLLETS ER16 HP
KIT TC40 ER25 HP	N°1 TC40 H70 ER25 HP + N°10 COLLETS ER25 HP
KIT TC40 ER32 HP	N°1 TC40 H70 ER32 HP + N°10 COLLETS ER32 HP
KIT BT40 ER16 HP	N°1 BT40 H70 ER16 HP + N°10 COLLETS ER16 HP
KIT BT40 ER25 HP	N°1 BT40 H70 ER25 HP + N°10 COLLETS ER25 HP
KIT BT40 ER32 HP	N°1 BT40 H70 ER32 HP + N°10 COLLETS ER32 HP
KIT HSK63 ER16 HP	N°1 HSK63 AH75 ER16 HP + N°10 COLLETS ER16 HP
KIT HSK63 ER25 HP	N°1 HSK63 AH75 ER25 HP + N°10 COLLETS ER25 HP
KIT HSK63 ER32 HP	N°1 HSK63 AH75 ER32 HP + N°10 COLLETS ER32 HP

ER COLLET CHUCK

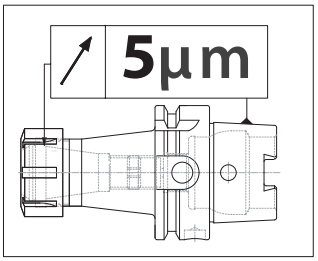
SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

DIN 69893 A+C - DIN6499/ISO15488



HSK	CODE N.	DESCRIPTION	H	d	D	ER	L	D2	D3	G2,5 30000
63	214-91731	HSK63AH75ER16	75	0,5÷10	32	16	-	22	-	●
63	214-91734	HSK63AH75ER25	75	1÷16	42	25	-	32	-	●
63	214-91737	HSK63AH75ER32	75	2÷20	50	32	-	40	-	●
63	214-91735	HSK63AH80ER40	80	3÷30	63	40	-	50	-	●
63	214-91732	HSK63AH100ER16	100	0,5÷10	32	16	-	31,5	-	●
63	214-91702	HSK63AH100ER25	100	1÷16	42	25	-	41,5	-	●
63	214-91703	HSK63AH100ER32	100	2÷20	50	32	-	49,5	-	●
63	214-91704	HSK63AH120ER40	120	3÷30	63	40	-	50	-	●
63	214-91710	HSK63AH160ER32	160	2÷20	50	32	-	49,5	-	●

HIGH BALANCED



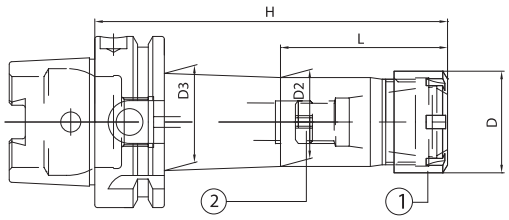
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
16	812-203080	811-303119
20	812-203081	811-303120
25	812-203082	811-303121
32	812-203083	811-303118
40	812-203084	811-303122

ER MINI COLLET CHUCK

SPANNZANGENFUTTER ER MINI TYP
CONOS PORTAPINZAS TIPO ER MINI
ЦАНГОВЫЕ МИНИ-ПАТРОНЫ ER
MANDRINI PORTAPINZA TIPO ER MINI EXTRA SOTTILI
MANDRINS A PINCES TYPE ER MINI
微型 ER 弹簧夹头

DIN 69893 A+C - DIN6499/ISO15488

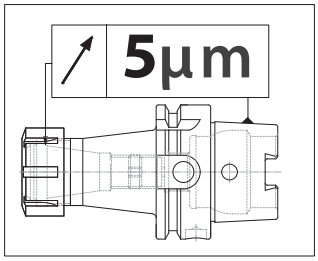


HSK	CODE N.	DESCRIPTION	ER	D	H	L	D2	D3	G2,5 30000 RPM
40	214-91723	HSK40AH70ER11M	11M	16	70	20	14	16	●
40	214-91724	HSK40AH100ER11M	11M	16	100	40	14	20	●
63	214-91715	HSK63AH100ER11M	11M	16	100	40	14	20	●
63	214-91720	HSK63AH100ER16M	16M	22	100	42	20	25	●
63	214-91726	HSK63AH100ER20M	20M	28	100	48	26	30	●
63	214-91717	HSK63AH100ER25M	25M	35	100	-	33	-	●
63	214-91716	HSK63AH160ER11M	11M	16	160	50	14	23	●
63	214-91727	HSK63AH160ER20M	20M	28	160	98	26	31	●
100	214-91718	HSK100AH100ER16M	16M	22	100	47	22	26	●

SLIM LINE
HIGH BALANCED

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
11M	812-203012	811-303081
16M	812-203013	811-303119
20M	812-203014	811-303120
25M	812-203015	811-303121



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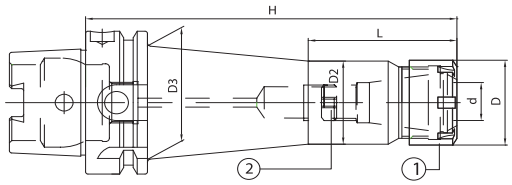
ER COLLET CHUCKS

SPANNZANGENFUTTER ER TYP
CONOS PORTAPINZAS TIPO ER
ЦАНГОВЫЕ ПАТРОНЫ ER
MANDRINI PORTAPINZA TIPO ER
MANDRINS A PINCES TYPE ER
ER 弹簧夹头

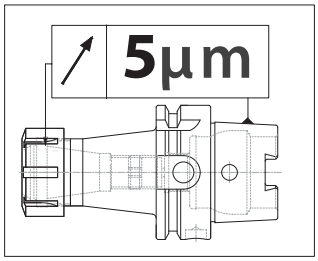
DIN 69893 A+C - DIN6499/ISO15488



	HSK	CODE N.	DESCRIPTION	H	d	D	ER	L	D2	D3	G2,5 30000 RPM
EXTENDED	50	214-31734	HSK50AH160ER16M	160	0,5÷10	22	16M	57	20	28	●
	63	214-31736	HSK63AH160ER16M	160	0,5÷10	22	16M	57	20	28	●
	63	214-31737	HSK63AH160ER25M	160	1÷16	35	25M	68	20	42	●
	63	264-31731	HSK63AH160ER16	160	0,5÷10	32	16	-	31,5	-	●
	63	264-31732	HSK63AH160ER20	160	1÷13	35	20	-	34,5	-	●
	63	264-31743	HSK63AH160ER25	160	1÷16	42	25	-	41,5	-	●
	63	214-31720	HSK63AH160ER32	160	2÷20	50	32	-	49,5	-	●
	63	214-31721	HSK63AH160ER40	160	3÷30	63	40	-	50	-	●
	100	214-31772	HSK100AH160ER16M	160	0,5÷10	22	16M	57	20	30	●
	100	214-31773	HSK100AH160ER25M	160	1÷16	35	25M	68	20	46	●
	100	214-31752	HSK100AH160ER25	160	1÷16	42	25	-	41,5	-	●
	100	214-31738	HSK100AH160ER32	160	2÷20	50	32	-	49,5	-	●
	100	214-31739	HSK100AH160ER40	160	3÷30	63	40	-	62,5	-	●
	125	264-31750	HSK125AH160ER25	160	1÷16	42	25	-	41,5	-	●
	125	264-31751	HSK125AH160ER32	160	2÷20	50	32	-	49,5	-	●
	125	264-31752	HSK125AH160ER40	160	3÷30	63	40	-	62,5	-	●

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
16M	812-203013	811-303119
16	812-203005	811-303119
20	812-203006	811-303120
25M	812-203015	811-303121
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122



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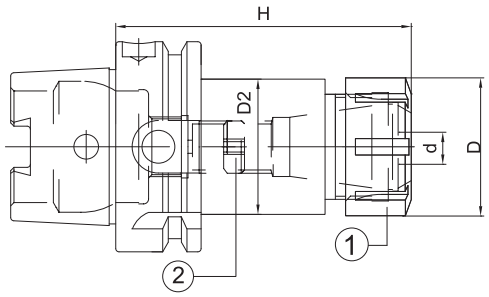
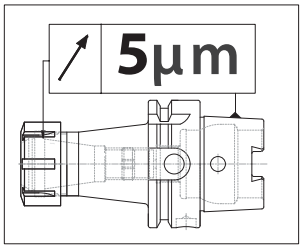
ER COLLET CHUCKS

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

DIN 69893 A+C - DIN6499/ISO15488





HSK	CODE N.	DESCRIPTION	H	d	D	ER	L	D2	D3	G6,3 20000 RPM
STANDARD 32	214-31740	HSK32AH65ER16M	65	0,5÷10	22	16M	-	20	-	●
32	214-31741	HSK32AH70ER25M	70	1÷16	35	25M	-	30	-	●
40	214-31745	HSK40AH60ER16M	60	0,5÷10	22	16M	-	20	-	●
40	214-31722	HSK40AH70ER16M	70	0,5÷10	22	16M	-	20	-	●
40	214-31732	HSK40AH120ER16M	120	0,5÷10	22	16M	47	20	29	●
40	214-31746	HSK40AH65ER25	65	1÷16	42	25	-	32	-	●
40	214-31702	HSK40AH80ER25	80	1÷16	42	25	-	32	-	●
40	214-31747	HSK40AH65ER32	65	2÷20	50	32	-	40	-	●
40	214-31703	HSK40AH100ER32	100	2÷20	50	32	-	40	-	●
50	214-31723	HSK50AH80ER16M	80	0,5÷10	22	16M	-	20	-	●
50	214-31705	HSK50AH95ER25	95	1÷16	42	25	-	32	-	●
50	214-31706	HSK50AH100ER32	100	2÷20	50	32	-	40	-	●
63	214-31724	HSK63AH90ER16M	90	0,5÷10	22	16M	-	20	-	●
63	264-31736	HSK63AH75ER16	75	0,5÷10	32	16	-	22	-	●
63	264-31741	HSK63AH100ER16	100	0,5÷10	32	16	-	31,5	-	●
63	264-31737	HSK63AH75ER20	75	1÷13	35	20	-	25	-	●
63	264-31742	HSK63AH100ER20	100	1÷13	35	20	-	34,5	-	●
63	264-31738	HSK63AH75ER25	75	1÷16	42	25	-	32	-	●
63	214-31707	HSK63AH100ER25	100	1÷16	42	25	-	41,5	-	●
63	264-31739	HSK63AH75ER32	75	2÷20	50	32	-	40	-	●
63	214-31708	HSK63AH100ER32	100	2÷20	50	32	-	49,5	-	●
63	264-31740	HSK63AH80ER40	80	3÷30	63	40	-	50	-	●
63	214-31709	HSK63AH120ER40	120	3÷30	63	40	-	50	-	●
100	214-31777	HSK100AH100ER25	100	1÷16	42	25	-	41,5	-	●
100	214-31725	HSK100AH100ER32	100	2÷20	50	32	-	49,5	-	●
100	214-31731	HSK100AH120ER40	120	3÷30	63	40	-	62,5	-	●
125	264-31747	HSK125AH100ER25	100	1÷16	42	25	-	41,5	-	●
125	264-31748	HSK125AH100ER32	100	2÷20	50	32	-	49,5	-	●
125	264-31749	HSK125AH120ER40	120	3÷30	63	40	-	62,5	-	●

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT ❶	STOP SCREW ❷
16M	812-203013	811-303119
16	812-203005	811-303119
20	812-203006	811-303120
25M	812-203015	811-303121
25	812-203001	811-303121
32	812-203002	811-303118
40	812-203003	811-303122

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COLLET CHUCK KITS

HSK-SPANNFUTTERSATZ | KIT PORTAPINZE HSK
SET PORTAPINZAS | JEUX PORTE-PINCES HSK
НАБОРЫ ЦАНГОВЫХ ПАТРОНОВ И ЦАНГ | 弹簧夹头组件

DIN 69893

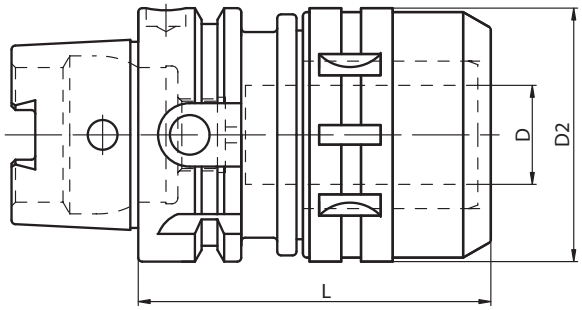
Kit Box: 1 Collet chuck + 10 er collets + 1 wrench
Cassetta Corredo: 1 Portapinze + 10 pinze + chiave
Contenido del set: 1 Portapinzas + 10 pinzas + 1 llave
Ausstattungskasten: 1 Spannfutter + 10 Spannzangen ER… + 1 Spannschlüssel
Boîte d'équipement: 1 porte-pince + 10 pinces ER… + 1 clé
Набор: 1 патрон + 10 цанг + 1 ключ
组件盒**:** 1个弹簧夹刀柄 +10个夹头+扳手

HSK63	DESCRIZIONE - DESCRIPTION
KITHSK63ER25	N° 1 portapinze + 10 pinze ER25 + chiave N° 1 collet chuck + 10 collets ER25 + wrench (ER25 Ø 2-3-4-5-6-8-10-12-14-16)
KITHSK63ER32	N° 1 portapinze + 10 pinze ER32 + chiave N° 1 collet chuck + 10 collets ER32 + wrench (ER32 Ø 3-4-6-8-10-12-14-16-18-20)
KITHSK63ER40	N° 1 portapinze + 10 pinze ER40 + chiave N° 1 collet chuck + 10 collets ER40 + wrench (ER40 Ø 5-6-8-10-12-16-20-22-24-26)

MILLING CHUCK

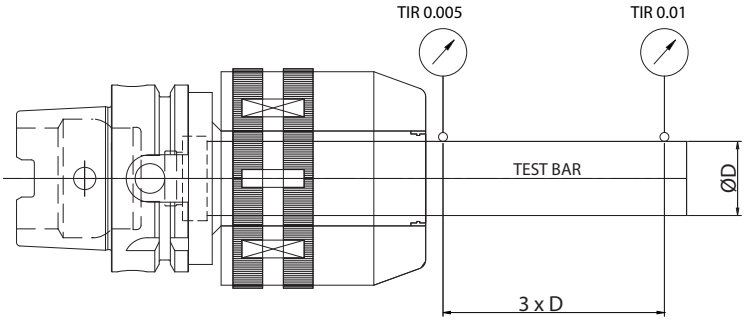
KRAFTSPANNFUTTER MANDRINI FORTE SERRAGGIO
CONOS PORTAHERRAMIENTAS DE GRAN APRIETE MANDRINS A FORT SERRAGE
УСИЛЕННЫЕ ОПРАВКИ 铣夹头

DIN 69893 A+C



HSK	CODE N.	DESCRIPTION	D	D2	L	G6,3 12000
63	214-01701	HSK63AH105C20	20	54	105	•
63	214-01702	HSK63AH130C32	32	72	130	•
100	214-01705	HSK100AH110C20	20	54	110	•
100	214-01706	HSK100AH123C32	32	72	123	•

• SUPPLIED WITH WRENCH • FORNITI CON CHIAVE INCLUSA
• INKLUSIVE SPANNSCHLÜSSEL • CLÉ INCLUSE
• ПОСТАВЛЯЕТСЯ С КЛЮЧОМ • 供货时提供扳手



MILLING CHUCK (diameter)	SPECIFICATION (DIN)	RUN-OUT (3xD)	CLAMPING TORQUE
C20	DIN 69893 A	0~0,01	980M.m (100 Kgf.m)
C32	HSK40A		3430M.m (350 Kgf.m)
	HSK50A		
	HSK63A		
	HSK100A		

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Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

MILLING CHUCK KITS

KRAFTSPANNFUTTERSATZ KIT FORTE SERRAGGIO
SET DE GRAN APRIETE JEUX À FORT SERRAGE
НАБОРЫ СИЛОВЫХ ПАТРОНОВ С ЦАНГАМИ К НИМ 钻夹头组件

DIN 69893

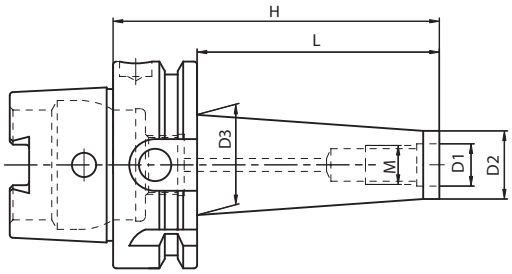
Kit Box: 1 milling chuck + 1 collets kit + 1 wrench
Cassetta Corredo: 1 mandrino forte serraggio + 1 serie pinze + 1 chiave
Ausstattungskasten: 1 Kraftspannfutter + 1 Spannzangensatz + 1 Spannschlüssel
Contenido del set: 1 Cono de gran apriete + 1 juego de pinzas + 1 llave
Boîte d'équipement: 1 mandrin à fort serrage + 1 jeux de pince + 1 clé
Набор: 1 патрон + 1 набор цанг + 1 ключ
组件盒: 1 个铣夹头 +1 个夹头套装 +1 个扳手

CODICE ORDINAZIONE ORDER CODE	COMPOSIZIONE COMPOSITION
KIT HSK63A C20	N° HSK63AH105C20 + n°5 pinze K20: Ø6,8,10,12,16 + chiave N° HSK63AH105C20 + 5 collets K20: Ø6,8,10,12,16 + wrench
KIT HSK63A C32	N° HSK63AH120C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25 + chiave N° HSK63AH130C32 + 7 collets K32: Ø6,8,10,12,16,20,25 + wrench

MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTERS

SPANFUTTER FÜR EINCHRAUBFRÄSER | MANDRINI PER FRESE CON ATTACCO FILETTATO
CONOS PORTAFRESAS CON EXTREMO ROSCADO | MANDRINS POUR FRAISES A VISSER
ОПРАВКИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК | 螺纹连接铣刀的铣刀杆

DIN 69893 A+C



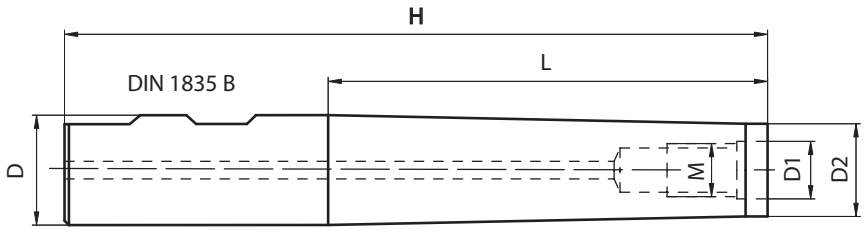
HSK	CODE N.	DESCRIPTION	M	D1	D2	D3	H	L	G2,5 25000
63	217-81779	HSK63AH76M8	M8	8.5	13	23	76	50	•
63	217-81790	HSK63AH76M10	M10	10.5	18	23	76	50	•
63	217-81782	HSK63AH101M10	M10	10.5	18	28	101	75	•
63	217-81783	HSK63AH126M10	M10	10.5	18	28	126	100	•
63	217-81784	HSK63AH76M12	M12	12.5	21	24	76	50	•
63	217-81785	HSK63AH101M12	M12	12.5	21	31	101	75	•
63	217-81786	HSK63AH126M12	M12	12.5	21	31	126	100	•
63	217-81787	HSK63AH76M16	M16	17	29	34	76	50	•
63	217-81788	HSK63AH101M16	M16	17	29	34	101	75	•
63	217-81789	HSK63AH126M16	M16	17	29	36	126	100	•

HIGH BALANCED

EXTENSION FOR SCREW IN TYPE MILLS

VERLÄNGERUNG FÜR EINSCHRAUBFRÄSER
EXTENSIONES PARA FRESAS CON EXTREMO ROSCADO
КОРПУСА ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК
PROLUNGHE PER FRESE CON ATTACCO FILETTATO
RALLONGES POUR FRAISES À VISSER
螺纹型铣刀加长杆

DIN 69893 A+C

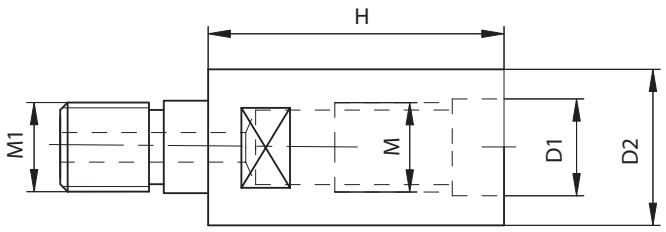


CODE N.	DESCRIPTION	D	M	D1	D2	H	L
217-85201	D16H115M8	16	M8	8.5	12.8	115	60
217-85202	D16H160M8	16	M8	8.5	12.8	160	100
217-85203	D20H120M10	20	M10	10.5	17.8	120	60
217-85204	D20H160M10	20	M10	10.5	17.8	160	100
217-85205	D25H160M12	25	M12	12.5	20.8	160	100
217-85206	D32H160M16	32	M16	17	28.8	160	100

EXTENSION FOR SCREW IN END MILLS

VERLÄNGERUNG FÜR EINSCHRAUBFRÄSER
EXTENSIONES PARA FRESAS ROSCADAS
УДЛИНИТЕЛИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК
PROLUNGHE PER FRESE FILETTATE
RALLONGES POUR FRAISES FILETEES
螺纹型端铣刀加长杆

DIN 69893 A+C

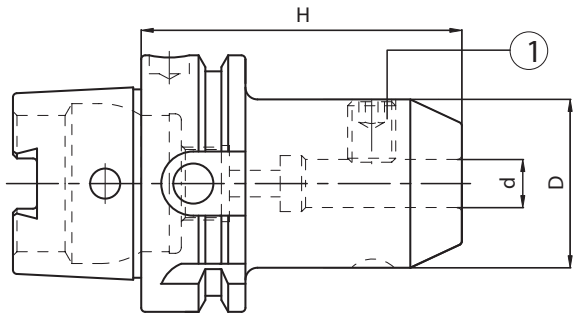


CODE N.	DESCRIPTION	M	M1	D1	D2	H
217-85709	M8H30M8	M8	M8	8.5	12.8	30
217-85710	M10H35M10	M10	M10	10.5	17.8	35
217-85711	M12H40M12	M12	M12	12.5	20.8	40
217-85712	M16H40M16	M16	M16	17	28.8	40

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON | MANDRINI PORTAFRESE TIPO WELDON
CONOS PORTAHERRAMIENTAS WELDON | MANDRINS POUR OUTILS TYPE WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON | 威尔登端铣夹具

DIN 69893 A+C - DIN 1835/B



CODE N.	DESCRIPTION	H	d	D	G2,5 25000 RPM
213-91701	HSK63AH65WE06	65	6	25	•
213-91702	HSK63AH65WE08	65	8	28	•
213-91703	HSK63AH65WE10	65	10	35	•
213-91704	HSK63AH80WE12	80	12	42	•
213-91705	HSK63AH80WE14	80	14	44	•
213-91706	HSK63AH80WE16	80	16	48	•
213-91707	HSK63AH80WE18	80	18	50	•
213-91708	HSK63AH80WE20	80	20	52	•
213-91709	HSK63AH110WE25	110	25	65	•
213-91710	HSK63AH110WE32	110	32	72	•

Spare parts • Componenti • Ersatzteile
Pièces détachées • Запасные части • 零件

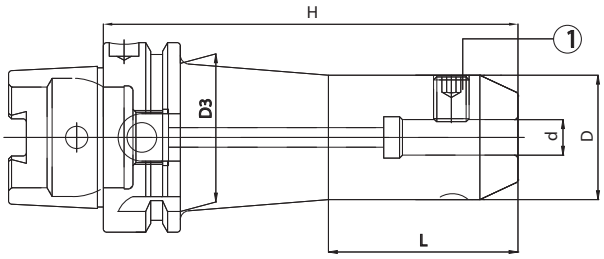
d	LOCKING SCREW	QUANTITY
	1	
6	811-106001	1
8	811-106002	1
10	811-106004	1
12;14	811-106005	1
16;18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2

HIGH BALANCED

END MILL HOLDERS WELDON LONG

ZYLINDERSCHAFTAUFNAHME WELDON LANG | MANDRINI PORTAFRESE TIPO WELDON, PROLUNGATI
CONOS PORTAHERRAMIENTAS WELDON - SERIE LARGA | MANDRINS POUR OUTILS TYPE WELDON, SERIE LONGUE
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. УДЛИНЕННОЕ ИСПОЛНЕНИЕ | 加长威尔登端铣夹具

DIN 69893 A+C



	CODE N.	DESCRIPTION	H	d	D	D3	L	G2,5 25000 RPM
H 100	213-91722	HSK63AH100WE06	100	6	18	26	50	•
	213-91723	HSK63AH100WE08	100	8	22	30	50	•
	213-91724	HSK63AH100WE10	100	10	30	-	-	•
	213-91725	HSK63AH100WE12	100	12	34	-	-	•
	213-91727	HSK63AH100WE16	100	16	42	-	-	•
	213-91729	HSK63AH100WE20	100	20	45	-	-	•

Spare parts • Componenti • Ersatzteile
Pièces détachées • Запасные части • 零件

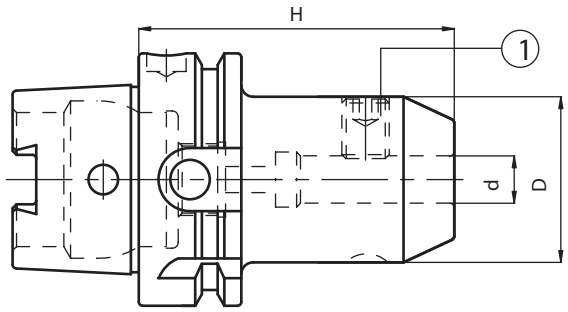
d	LOCKING SCREW	QUANTITY
	1	
6	811-106015	1
8	811-106036	1
10	811-106003	1
12;14	811-106013	1
16;18	811-106027	1
20	811-106032	1
25	811-106014	2

HIGH BALANCED

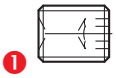
END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON
CONOS PORTAHERRAMIENTAS WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON
MANDRINI PORTAFRESE TIPO WELDON
MANDRINS POUR OUTILS TYPE WELDON
威尔登端铣夹具

DIN 69893 A+C - DIN 1835/B



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

d	LOCKING SCREW	QUANTITY
		
6	811-106001	1
8	811-106002	1
10	811-106004	1
12;14	811-106005	1
16;18	811-106006	1
20	811-106007	1
25	811-106008	2
32;40	811-106009	2
50	811-106011	2

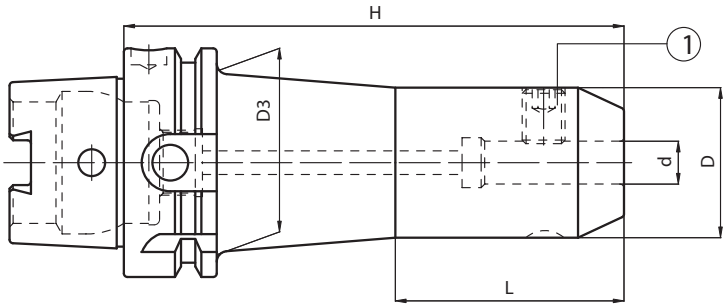
HSK	CODE N.	DESCRIPTION	H	d	D	G6,3 15000 RPM
40	213-11701	HSK40AH60WE06	60	6	25	•
40	213-11702	HSK40AH60WE08	60	8	28	•
40	213-11703	HSK40AH65WE10	65	10	35	•
40	213-11704	HSK40AH70WE12	70	12	42	•
40	213-11706	HSK40AH80WE16	80	16	48	•
40	213-11736	HSK40AH80WE20	80	20	52	•
50	213-11712	HSK50AH80WE16	80	16	48	•
50	213-11714	HSK50AH80WE20	80	20	52	•
50	213-11737	HSK50AH105WE25	105	25	65	•
63	213-11715	HSK63AH65WE06	65	6	25	•
63	213-11716	HSK63AH65WE08	65	8	28	•
63	213-11717	HSK63AH65WE10	65	10	35	•
63	213-11718	HSK63AH80WE12	80	12	42	•
63	213-11719	HSK63AH80WE14	80	14	44	•
63	213-11720	HSK63AH80WE16	80	16	48	•
63	213-11721	HSK63AH80WE18	80	18	50	•
63	213-11722	HSK63AH80WE20	80	20	52	•
63	213-11723	HSK63AH110WE25	110	25	65	•
63	213-11724	HSK63AH110WE32	110	32	72	•
63	263-11780	HSK63AH120WE40	120	40	80	•
100	213-11738	HSK100AH90WE06	90	6	25	•
100	213-11739	HSK100AH90WE08	90	8	28	•
100	213-11740	HSK100AH90WE10	90	10	35	•
100	213-11741	HSK100AH100WE12	100	12	42	•
100	213-11742	HSK100AH100WE14	100	14	44	•
100	213-11743	HSK100AH100WE16	100	16	48	•
100	213-11744	HSK100AH100WE18	100	18	50	•
100	213-11745	HSK100AH110WE20	110	20	52	•
100	213-11746	HSK100AH120WE25	120	25	65	•
100	213-11747	HSK100AH120WE32	120	32	72	•
100	213-11748	HSK100AH120WE40	120	40	80	•
100	263-11733	HSK100AH130WE50	130	50	100	•

HEAD OFFICE - KINTEK S.R.L. - MAPPANO - TORINO - ITALY

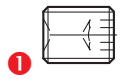
END MILL HOLDERS WELDON LONG

ZYLINDERSCHAFTAUFNAHME WELDON LANG | MANDRINI PORTAFRESE TIPO WELDON, PROLUNGATI
CONOS PORTAHERRAMIENTAS WELDON - SERIE LARGA | MANDRINS POUR OUTILS TYPE WELDON, SERIE LONGUE
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON. УДЛИНЕННОЕ ИСПОЛНЕНИЕ. | 加长威尔登端铣夹具

DIN 69893 A+C - DIN 6388



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

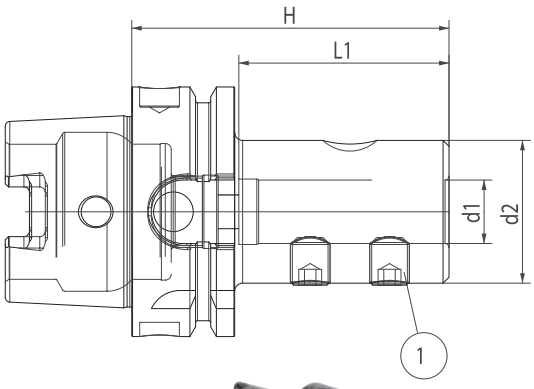
d	LOCKING SCREW	QUANTITY
		
6	811-106015	1
8	811-106036	1
10	811-106003	1
12;14	811-106013	1
16;18	811-106027	1
20	811-106032	1
HSK63/25	811-106014	2
HSK100/25	811-106042	2

HSK	CODE N.	DESCRIPTION	H	d	D	L	D3	G6,3 15000 RPM
63	263-11757	HSK63AH100WE06	100	6	18	50	26	•
63	263-11758	HSK63AH100WE08	100	8	22	50	30	•
63	263-11759	HSK63AH100WE10	100	10	30	-	-	•
63	263-11760	HSK63AH100WE12	100	12	34	-	-	•
63	263-11762	HSK63AH100WE16	100	16	42	-	-	•
63	263-11764	HSK63AH100WE20	100	20	45	-	-	•
63	263-11765	HSK63AH160WE06	160	6	18	50	34	•
63	263-11766	HSK63AH160WE08	160	8	22	50	38	•
63	263-11767	HSK63AH160WE10	160	10	30	65	46	•
63	263-11768	HSK63AH160WE12	160	12	34	70	50	•
63	263-11770	HSK63AH160WE16	160	16	42	70	50	•
63	263-11772	HSK63AH160WE20	160	20	45	70	53	•
100	213-11781	HSK100AH160WE06	160	6	18	50	46	•
100	213-11782	HSK100AH160WE08	160	8	22	50	50	•
100	213-11783	HSK100AH160WE10	160	10	30	65	48	•
100	213-11784	HSK100AH160WE12	160	12	34	70	51	•
100	263-11773	HSK100AH160WE14	160	14	36	70	50	•
100	213-11785	HSK100AH160WE16	160	16	42	70	59	•
100	263-11774	HSK100AH160WE18	160	18	44	70	58	•
100	213-11786	HSK100AH160WE20	160	20	45	70	55	•
100	263-11775	HSK100AH160WE25	160	25	55	80	66	•

INDEXABLE DRILL HOLDERS

VOLLBOHRERHALTER PORTAPUNTE
PORTABROCAS PORTE-OUTIL POUR BARRES DE PERCAGE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ 钻刀柄

DIN 69893 A+C



CODE N.	DESCRIPTION	HSK	d1	d2	H	L1
267-91772	HSK63AH80D16-E1	63	16	36	80	54
267-91773	HSK63AH80D20-E1	63	20	40	80	54
267-91774	HSK63AH90D25-E1	63	25	45	90	59
267-91775	HSK63AH90D32-E1	63	32	52	90	63

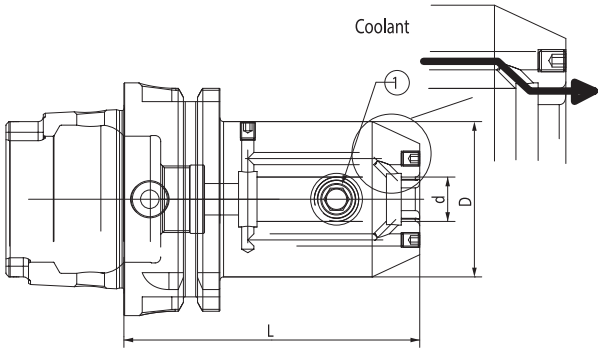
Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

d	LOCKING SCREW	QUANTITY
16, 20	811-402003	2
25, 32	811-402005	2

END MILL HOLDERS WELDON WITH COOLANT CHANNELS

STEILKEGELAUFNAHMEN WELDON MIT KÜHLKANÄLE PORTAFRESE TIPO WELDON CON LUBRIFICAZIONE
CONOS PORTAHERRAMIENTAS WELDON CON REFRIGERACION PORTE-FRAISES TYPE WELDON AVEC CANAL D'ARROSAGE
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ 威尔登式端铣夹具，配备出水结构

DIN 69893 A+C - DIN 1835 B



CODE N.	DESCRIPTION	HSK	d	H	D	G6,3 15000
213-61764	HSK63AH65WE06-IK	63	6	65	25	•
213-61765	HSK63AH65WE08-IK	63	8	65	28	•
213-61766	HSK63AH65WE10-IK	63	10	65	35	•
213-61767	HSK63AH80WE12-IK	63	12	80	42	•
213-61768	HSK63AH80WE14-IK	63	14	80	44	•
213-61769	HSK63AH80WE16-IK	63	16	80	48	•
213-61770	HSK63AH80WE18-IK	63	18	80	50	•
213-61771	HSK63AH80WE20-IK	63	20	80	52	•
213-61772	HSK63AH110WE25-IK	63	25	110	65	•
213-61773	HSK63AH110WE32-IK	63	32	110	72	•
213-61774	HSK63AH125WE40-IK	63	40	125	80	•

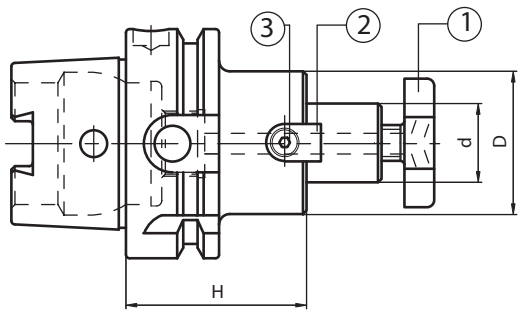
Spare parts • Componenti
Ersatzteile • Piezas de repuesto • Pièces détachées
Запасные части • 零件

d	LOCKING SCREW	QUANTITY
6	811-106001	1
8	811-106002	1
10	811-106004	1
12,14	811-106005	1
16,18	811-106006	1
20	811-106007	1
25	811-106008	2
32	811-106009	2
40	811-106009	2

FACE MILL HOLDERS-TENONS DRIVE

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT
CONOS PORTAFRESAS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ
MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS
平面铣刀柄 – 凸榫驱动

DIN 69893 A+C - ISO 3937



	HSK	CODE N.	DESCRIPTION	H	d	D	G6,3 15000 RPM
STANDARD	32	216-71748	HSK32AH45D16F	45	16	38	•
	32	216-71749	HSK32AH50D22F	50	22	48	•
	40	216-71701	HSK40AH45D16F	45	16	38	•
	40	216-71702	HSK40AH50D22F	50	22	48	•
	40	216-71703	HSK40AH55D27F	55	27	58	•
	50	216-71705	HSK50AH55D22F	55	22	48	•
	63	216-71708	HSK63AH45D16F	45	16	38	•
	63	216-71709	HSK63AH50D22F	50	22	48	•
	63	216-71710	HSK63AH55D27F	55	27	58	•
	63	216-71711	HSK63AH60D32F	60	32	78	•
	63	216-71750	HSK63AH65D40F	65	40	88	•
	100	216-71712	HSK100AH55D16F	55	16	38	•
	100	216-71713	HSK100AH55D22F	55	22	48	•
	100	216-71714	HSK100AH55D27F	55	27	58	•
	100	216-71715	HSK100AH60D32F	60	32	78	•
	100	216-71716	HSK100AH65D40F	65	40	88	•
	125	266-71789	HSK125AH50D22F	50	22	48	•
	125	266-71790	HSK125AH55D27F	55	27	58	•
	125	266-71791	HSK125AH60D32F	60	32	78	•
	125	266-71792	HSK125AH65D40F	65	40	88	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

d	CROSS SCREW	CROSS SCREW ON ENQUIRY	DOG	SCREW	WRENCH
	❶	❶	❷	❸	
16	811-107003	811-107013	814-202280	811-101004	816-13002
22	811-107004	811-107014	814-202250	811-101011	816-13003
27	811-107005	811-107015	814-202270	811-101018	816-13004
32	811-107006	811-107016	814-202630	811-101029	816-13005
40	811-107007	811-107017	814-202710	811-101029	816-13006

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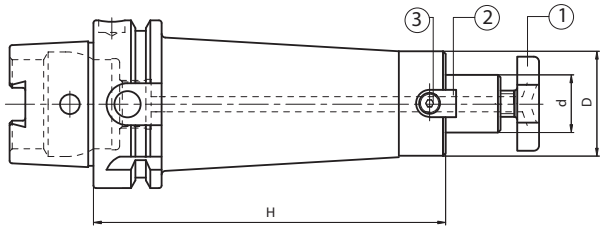
FACE MILL HOLDERS-TENONS DRIVE

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT | MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
CONOS PORTAFRESAS | MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ. УДЛИНЕННОЕ ИСПОЛНЕНИЕ | 平面铣刀柄 – 凸榫驱动

DIN 69893 A+C - ISO 3937



HSK	CODE N.	DESCRIPTION	H	d	D	D3	G6,3 15000
63	216-71791	HSK63AH100D16F	100	16	38	40	●
63	216-71792	HSK63AH100D22F	100	22	48	-	●
63	216-71793	HSK63AH100D27F	100	27	58	-	●
63	216-71794	HSK63AH100D32F	100	32	78	-	●
63	216-71717	HSK63AH160D16F	160	16	32	38	●
63	216-71718	HSK63AH160D22F	160	22	40	48	●
63	216-71719	HSK63AH160D27F	160	27	48	50	●
63	216-71720	HSK63AH160D32F	160	32	58	-	●
100	216-71797	HSK100AH100D22F	100	22	48	50	●
100	216-71798	HSK100AH100D27F	100	27	58	60	●
100	216-71799	HSK100AH100D32F	100	32	78	80	●
100	266-71701	HSK100AH100D40F	100	40	88	-	●
100	216-71722	HSK100AH160D16F	160	16	32	42	●
100	216-71723	HSK100AH160D22F	160	22	40	50	●
100	216-71724	HSK100AH160D27F	160	27	48	68	●
100	216-71725	HSK100AH160D32F	160	32	58	76	●
100	216-71726	HSK100AH160D40F	160	40	70	84	●
125	266-71793	HSK125AH100D22F	100	22	48	50	●
125	266-71794	HSK125AH100D27F	100	27	58	63	●
125	266-71795	HSK125AH100D32F	100	32	78	80	●
125	266-71796	HSK125AH100D40F	100	40	88	-	●
125	266-71797	HSK125AH160D22F	160	22	40	50	●
125	266-71798	HSK125AH160D27F	160	27	48	63	●
125	266-71799	HSK125AH160D32F	160	32	58	80	●
125	216-91701	HSK125AH160D40F	160	40	70	88	●

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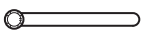
Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

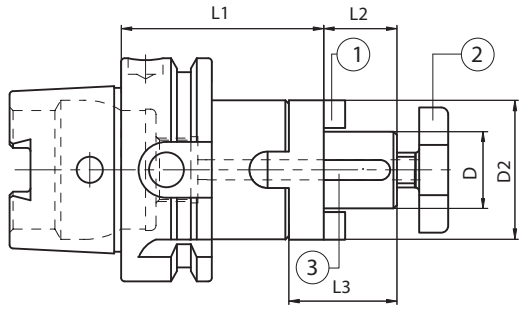
d	CROSS SCREW	CROSS SCREW ON ENQUIRY	DOG H100	SCREW H100	DOG H160	SCREW H160	WRENCH
	❶	❶	❷	❸			
16	811-107003	811-107013	814-202280	811-101004	814-202140	811-101003	816-13002
22	811-107004	811-107014	814-202250	811-101011	814-202150	811-101010	816-13003
27	811-107005	811-107015	814-202270	811-101018	814-202160	811-101017	816-13004
32	811-107006	811-107016	814-202630	811-101029	814-202170	811-101027	816-13005
40	811-107007	811-107017	814-202710	811-101029	814-202180	811-101028	816-13006

COMBI-SHELL MILL ADAPTORS

KOMBI - AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI
CONOS PORTAFRESAS COMBINADOS MANDRINS PORTE- FRAISES A DOUBLE USAGE
КОМБИНИРОВАННЫЕ ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ 复合式平面铣刀接头

DIN 69893 A+C - DIN 6538

HSK	CODE N.	DESCRIPTION	D	L1	L2	L3	D2	G6,3 8000 RPM
63	216-11708	HSK63AH60D16C	16	60	17	27	32	•
63	216-11709	HSK63AH60D22C	22	60	19	31	40	•
63	216-11710	HSK63AH60D27C	27	60	21	33	48	•
63	216-11711	HSK63AH65D32C	32	65	24	38	58	•
63	216-11712	HSK63AH70D40C	40	70	27	41	70	•



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

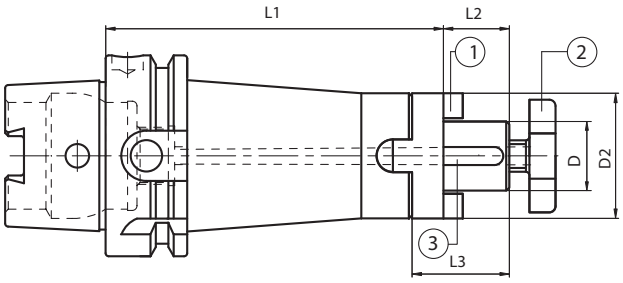
D	RING	CROSS SCREW	KEY	WRENCH
	❶	❷	❸	
16	814-30001	811-107003	814-201010	816-130002
22	814-30002	811-107004	814-201020	816-130003
27	814-30003	811-107005	814-201030	816-130004
32	814-30004	811-107006	814-201040	816-130005
40	814-30005	811-107007	814-201050	816-130006

COMBI-SHELL MILL ADAPTORS LONG

KOMBI - AUFSTECKFRÄSDORNE LANG MANDRINI PORTAFRESE COMBINATI, SERIE LUNGA
CONOS PORTAFRESAS COMBINADOS - SERIE LARGA MANDRINS PORTE- FRAISES A DOUBLE USAGE, SERIE LONGUE
КОМБИНИРОВАННЫЕ ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ 加长复合式平面铣接头

DIN 69893 A+C - DIN 6538

HSK	CODE N.	DESCRIPTION	D	L1	L2	L3	D2	D3	G6,3 8000 RPM
63	216-11777	HSK63AH100D16C	16	100	17	27	32	40	•
63	216-11728	HSK63AH100D22C	22	100	19	31	40	-	•
63	216-11736	HSK63AH100D27C	27	100	21	33	48	-	•
63	216-11778	HSK63AH100D32C	32	100	24	38	58	-	•
63	216-11779	HSK63AH100D40C	40	100	27	41	70	-	•
63	216-11770	HSK63AH160D22C	22	160	19	31	40	50	•



Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

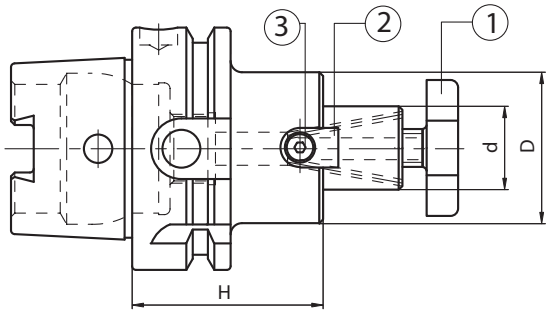
D	RING	CROSS SCREW	KEY	WRENCH
	❶	❷	❸	
16	814-30001	811-107003	814-201010	816-130002
22	814-30002	811-107004	814-201020	816-130003
27	814-30003	811-107005	814-201030	816-130004
32	814-30004	811-107006	814-201040	816-130005
40	814-30005	811-107007	814-201050	816-130006

FACE MILL HOLDERS-TENONS DRIVE-WITH INTERNAL COOLANT SUPPLY

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT UND KÜHLMITTELZUFUHR
CONOS PORTAFRESAS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ

MANDRINI PORTAFRESE A TRASCINAMENTO FISSO CON PASSAGGIO REFRIGERANTE
MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS AVEC ARROSSAGE INTERNE
平面铣刀柄 – 凸榫驱动带有更大的法兰直径

DIN 69893 A+C - ISO 3937



HSK	CODE N.	DESCRIPTION	H	d	D	G6,3 15000
63	216-71739	HSK63AH45D16F-L	45	16	38	•
63	216-71740	HSK63AH50D22F-L	50	22	48	•
63	216-71741	HSK63AH55D27F-L	55	27	58	•
63	216-71742	HSK63AH60D32F-L	60	32	78	•
63	216-91709	HSK63AH100D16F-L	100	16	38	•
63	216-91710	HSK63AH100D22F-L	100	22	48	•
63	216-91711	HSK63AH100D27F-L	100	27	58	•
63	216-91712	HSK63AH100D32F-L	100	32	78	•

Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

d	CROSS SCREW ❶	DOG ❷	SCREW ❸	WRENCH
16	811-107003	814-202280	811-101004	816-130002
22	811-107004	814-20225 0	811-101011	816-130003
27	811-107005	814-202270	811-101018	816-130004
32	811-107006	814-202630	811-101029	816-130005
40	811-107007	814-202710	811-101029	816-130006

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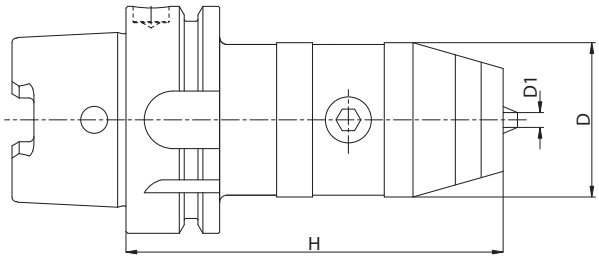
NC-DRILL CHUCKS FOR LEFT AND RIGHT ROTATION

NC-BOHRFUTTER FÜR RECHTS- UND LINKSLAUF
CONOS PORTABROCAS UNIVERSALES PARA ROTACION A IZQUIERDAS Y A DERECHAS
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ВРАЩЕНИЕМ ПО - И ПРОТИВ ЧАСОВОЙ СТРЕЛКИ ДЛЯ СТАНКОВ С ЧПУ

MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE DESTRA E SINISTRA
MANDRINS DE PERCAGE CNC POUR ROTATION GAUCHE-DROITE
左右旋转数控钻夹头

DIN 69893 A+C



HSK	CODE N.	DESCRIPTION	H	D	CLAMPING CAPACITY
63	252-11751	HSK63AH130R0,5-13X	130	50	0,5-13
63	252-11752	HSK63AH140R2,5-16X	140	57	2,5-16
100	252-11753	HSK100AH111R0,5-13X	111	50	0,5-13
100	252-11754	HSK100AH116R2,5-16X	116	57	2,5-16

RUNOUT ACCURACY 0.05 MM T.I.R.
Suitable for right and left rotation up to 35000 rpm.

PRECISIONE DI ROTAZIONE 0.05 MM.
Adatti per rotazione sia destra che sinistra, con velocitá max di 35000 g/min.

RUNDLAUFGENAUIGKEIT 0,05 MM.
Sowohl für Rechts- als auch für Linkslauf mit Höchstgeschwindigkeit 35000 U/min geeignet.

PRÉCISION DE ROTATION 0,05 MM.
Appropriés pour rotation à droite et à gauche avec vitesse max. de 35000 tour par minute.

БИЕНИЕ 0,05 ММ
Можно вращать по- и против часовой стрелки со скоростью до 35000 об/мин.

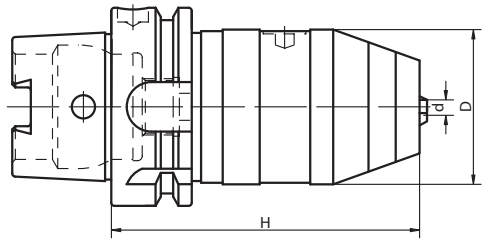
径向跳动精度 **0.05 MM T.I.R.**
适用于最高为 35000 转/分钟的左右旋转

NC-DRILL CHUCKS FOR LEFT AND RIGHT ROTATION

NC-BOHRFUTTER FÜR RECHTS- UND LINKSLAUF
CONOS PORTABROCAS UNIVERSALES PARA ROTACION A IZQUIERDAS Y A DERECHAS
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ВРАЩЕНИЕМ ПО - И ПРОТИВ ЧАСОВОЙ СТРЕЛКИ ДЛЯ СТАНКОВ С ЧПУ

MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE DESTRA E SINISTRA
MANDRINS DE PERCAGE CNC POUR ROTATION GAUCHE-DROITE
左右旋转数控钻夹头

DIN 69893 A+C



HSK	CODE N.	DESCRIPTION	H	D	CLAMPING CAPACITY	WRENCH
63 *	252-11733	HSK63AH105R1-13X	105	50	1-13	816-152001
63 *	252-11734	HSK63AH110R3-16X	110	57	3-16	816-152002

* WITH INTERNAL COOLANT • CON PASSAGGIO REFRIGERANTE INTERNO
MIT INNENKÜHLUNG • AVEC ARROSAGE INTERNE
С ВНУТРЕННЕЙ ПОДАЧЕЙ СОЖ • 配备内部冷却剂

RUNOUT ACCURACY 0.05 MM T.I.R.
Suitable for right and left rotation up to 8000 rpm.

PRECISIONE DI ROTAZIONE 0.05 MM.
Adatti per rotazione sia destra che sinistra, con velocitá max di 8000 g/min.

RUNDLAUFGENAUIGKEIT 0.05 MM
Sowohl für rechts - als auch links laufende Bearbeitungen geeignet, mit Höchstgeschwindigkeit von 8000 u/min.

PRÉCISION DE ROTATION 0,05 MM.
Appropriés pour rotation à droite et à gauche avec vitesse max. de 8000 tour par minute.

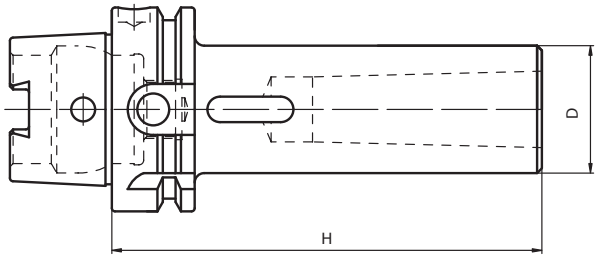
БИЕНИЕ 0,05 ММ
Можно вращать по- и против часовой стрелки со скоростью до 8000 об/мин.

径向跳动精度 **0.05 MM T.I.R.**
适用于最高为 8000 转/分钟的左右旋转

MORSE TAPER ADAPTORS FOR DRILLS

ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBLAPPEN
ADAPTADOR A CONO MORSE CON ARRASTRE
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С ЛАПКОЙ
MANDRINI PORTAPUNTE ATTACCO CONO MORSE
DOUILLES POUR CONE MORSE A TENON
莫氏锥度钻接头

DIN 69893 A+C - DIN 228-2 FORM D

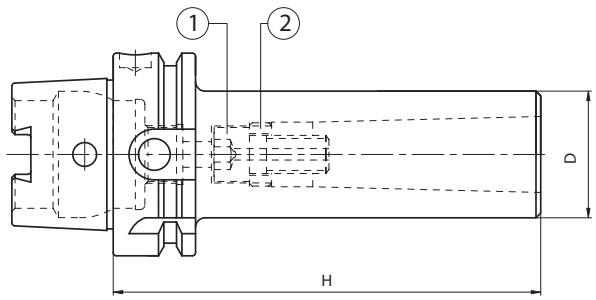


HSK	CODE N.	DESCRIPTION	MORSE	H	D	G6,3 8000 RPM
63	212-41706	HSK63AH100CM1P	1	100	25	•
63	212-41707	HSK63AH115CM2P	2	115	32	•
63	212-41708	HSK63AH135CM3P	3	135	40	•
63	212-41709	HSK63AH160CM4P	4	160	48	•
100	212-41716	HSK100AH120CM2P	2	120	32	•
100	212-41717	HSK100AH150CM3P	3	150	40	•
100	212-41718	HSK100AH170CM4P	4	170	48	•
100	212-41719	HSK100AH205CM5P	5	205	63	•

MORSE TAPER MILL ADAPTERS WITH INTERNAL COOLANT

ZWISCHENHÜLSEN FUR MORSEKEGEL MIT ZENTRALER KÜHLMITTELZUFUHR
ADAPTADOR A CONO MORSE CON ROSCA
ОПРАВКИ ДЛЯ КОНУСА МОРЗЕ С ВНУТРЕННИМ ПОДВОДОМ СОЖ
MANDRINI PORTAFRESE CON ATTACCO CONO MORSE CON REFRIGERAMENTO INTERNO
DOUILLES POUR CONE MORSE AVEC ABROSAGE
莫氏锥度铣刀接头配备内部冷却剂

DIN 69893 A+C - DIN 228-2 FORM C



HSK	CODE N.	DESCRIPTION	MORSE	H	D	G6,3 8000 RPM
63	212-21708	HSK63AH100CM1F	1	100	25	•
63	212-21709	HSK63AH115CM2F	2	115	32	•
63	212-21710	HSK63AH135CM3F	3	135	40	•
63	212-21711	HSK63AH160CM4F	4	160	48	•
100	212-21715	HSK100AH150CM3F	3	150	40	•
100	212-21716	HSK100AH170CM4F	4	170	48	•

Spare parts • Componenti • Ersatzteile
Piezas de repuesto • Pièces détachées
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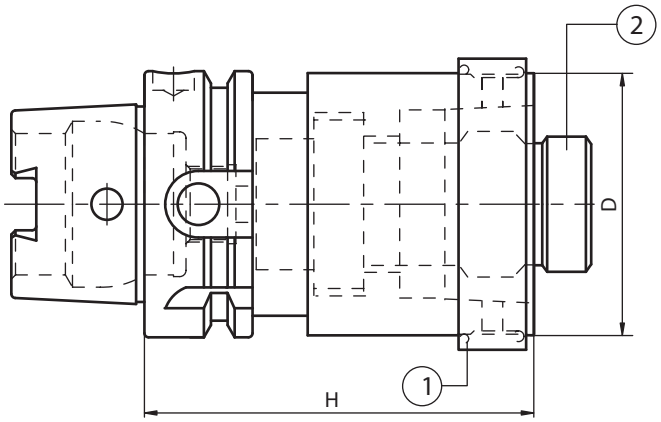
HSK MORSE	SCREW ❶	RING ❷
40/1	811-401100	811-302037
40/2	811-401079	811-302031
40/3	811-401089	811-302032
50/1	811-401100	811-302037
50/2	811-401066	811-302031
50/3	811-401067	811-302032
63/1	811-401100	811-302037
63/2	811-401099	811-302031
63/3	811-401078	811-302032
63/4	811-401091	811-302036
100/2	811-401099	811-302031
100/3	811-401098	811-302032
100/4	811-401092	811-302036
100/5	811-401136	811-302034

TOOL EXTENSIONS HSK A+C

VERLÄNGERUNGEN HSK A+C PROLUNGHE HSK A+C
CONOS ADAPTADORES DE SK A HSK A+C – CIERRE MANUAL RALLONGES D'OUTILS HSK A+C HSK
УДЛИНИТЕЛИ HSK A+C 加长 HSK A+C 刀具

DIN 69893 A+C

HSK	CODE N.	DESCRIPTION	D	H	① RING (complete)	② LOCKING UNIT (complete)
63	212-91703	HSK63AH100HSK63	63	100	H63A-AN	H63A-UBL
100	212-91705	HSK100AH140HSK100	100	140	H100A-AN	H100A-UBL

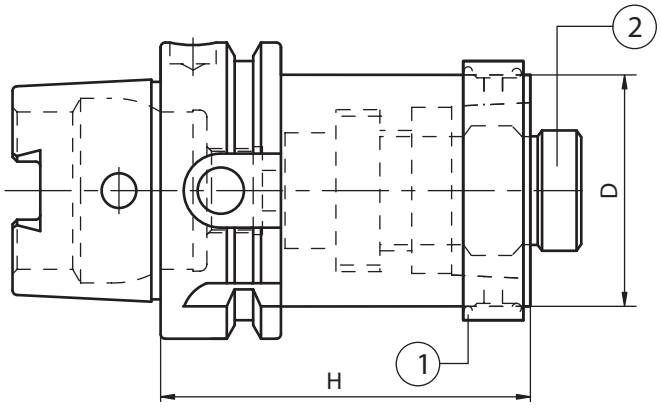


REDUCERS HSK A+C

REDUZIERUNGEN HSK A+C RIDUZIONI HSK A+C
ADAPTADORES HSK A+C PIECES DE REDUCTION HSK A+C
ПЕРЕХОДНИКИ HSK A+C 变径 HSK A+C

DIN 69893 A+C

HSK	CODE N.	DESCRIPTION	D	H	① RING (complete)	② LOCKING UNIT (complete)
63	212-91711	HSK63H80HSK50	50	80	HN50-AN	H50A-UBL
100	212-91713	HSK100AH100HSK63	63	100	H63A-AN	H63A-UBL
125	212-91719	HSK125AH145HSK100	100	145	H100A-AN	H100A-UBL

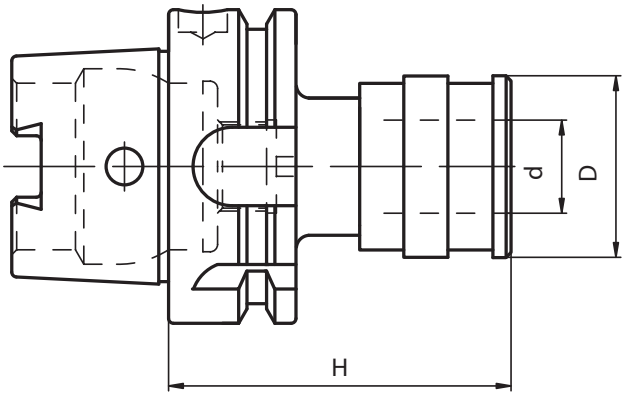


TENSION AND COMPRESSION TAPPING HEADS

GEWINDESCHNEID-SCHNELLWECHSELFUTTER MIT LÄNGENAUSGLEICH
ROSCADORES DE DOBLE COMPENSACION
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОМПЕНСАЦИЕЙ
MASCHIATORI A DOPPIA COMPENSAZIONE
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE A DOUBLE USAGE
张力和压缩丝攻头

DIN 69893 A+C

HSK	CODE N.	DESCRIPTION	SIZE	TOP RANGE	PRESS.	EXT.	d	D	H
63	M801063	HSK63AH72GR1	1	M3-M12	7.5	7.5	19	48	72
63	M802063	HSK63AH110GR2	2	M6-M20	10	10	31	60	110
100	M801100	HSK100AH80GR1	1	M3÷M12	7.5	7.5	19	48	80
100	M802100	HSK100AH100GR2	2	M6÷M20	10	10	31	60	100
100	M803100	HSK100AH144GR3	3	M14÷M33	17.5	17.5	48	79	144



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Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

07

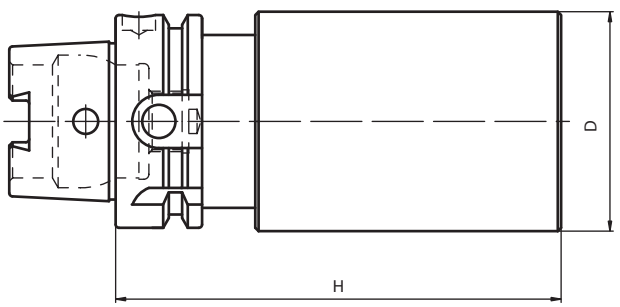
KINTEK

BLANK TOOLHOLDERS WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT
CONOS SEMIACABADOS
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ
MANDRINI SEMILAVORATI A STELO TENERO
BARRE D'ALESAGE SEMI-FINIES
带软柄的切断工具柄

DIN 69893 A+C

HSK	CODE N.	DESCRIPTION	H	D
32	217-11712	HSK32AH150D35SM	150	35
40	217-11701	HSK40AH150D40SM	150	40
40	217-11702	HSK40AH200D52SM	200	52
50	217-11703	HSK50AH200D52SM	200	52
50	217-11704	HSK50AH200D63SM	200	63
63	217-11783	HSK63AH160D63SM	160	63
63	217-11705	HSK63AH250D63SM	250	63
63	217-11784	HSK63AH160D80SM	160	80
63	217-11706	HSK63AH250D80SM	250	80
100	217-11709	HSK100AH200D63SM	200	63
100	217-11710	HSK100AH250D80SM	250	80
100	217-11711	HSK100AH300D90SM	300	90



HRC26-28

KINTEK®

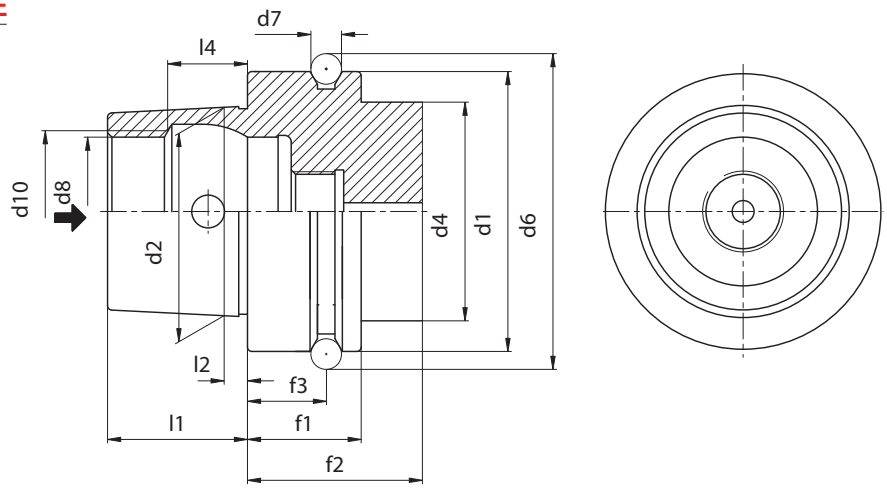
COMPONENTI INNOVATIVI TECNOMECCANICI

DIN 69893 E

TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE
CARACTERISTICAS TECNICAS DE LOS CONOS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ
DATI TECNICI CONI D'ATTACCO
DONNEES TECHNIQUES QUEUE D'OUTILS
锥柄数据表

DIN 69893 E



	HSK 25	HSK 32	HSK 40	HSK 50	HSK 63
d1	25	32	40	50	63
d2	19	24	30	38	48
d4	20	26	34	42	53
d6	28,5	37	45	59,3	72,3
d7	3	4	4	7	7
d8	14	17	21	26	34
d10	15	19	23	29	37
f1	10	20	20	26	26
f2	20	35	35	42	42
f3	4,5	16	16	18	18
l1	13	16	20	25	32
l2	2,5	3,2	4	5	6,3
l4	7,21	8,92	11,42	14,13	18,13

FORM E

- Used for high frequency spindles and wood machining.
- Rotationally symmetrical, without key slots.
- Torque transmission via friction resistance.
- Central coolant supply possible through coolant tube.

FORMA E

- Usato su elettromandrini e su macchine per il legno.
- Rotazione simmetrica senza chiavette di trascinamento.
- Coppia trasmessa solo per attrito tra le superfici.
- Adduzione refrigerante dal centro

FORM E

- Anwendung für Hochfrequenzspindeln, Holzbearbeitungmaschinen.
- Rotationssymmetrisch, ohne Mitnehmernuten.
- Drehmomentübertragung über Reibschluss.
- Zentrale Kühlmittelzufuhr über Kühlmittelrohr möglich.

FORME E

- Utilisation pour des broches à hautes fréquences, les machines à usiner le bois.
- Symétrie de rotation, sans gorges d'entraînement.
- Transmission du couple par friction.
- Possibilité d'alimentation centrale du liquide de lubrification par tube d'arrosage.

ИСПОЛНЕНИЕ E

- Применяются в высокоскоростных шпинделях и деревообрабатывающих станках.
- Конструкция без шпоночных пазов.
- Передача крутящего момента осуществляется посредством силы трения.
- Возможна подача СОЖ через центральный канал оправки.

FORMA E

- Utilizado en las máquinas de alta frecuencia y en las máquinas para la madera.
- Rotación simétrica sin las chavetas de arrastre.
- Par transmitido por fricción entre las superficies
- Refrigeración por el centro

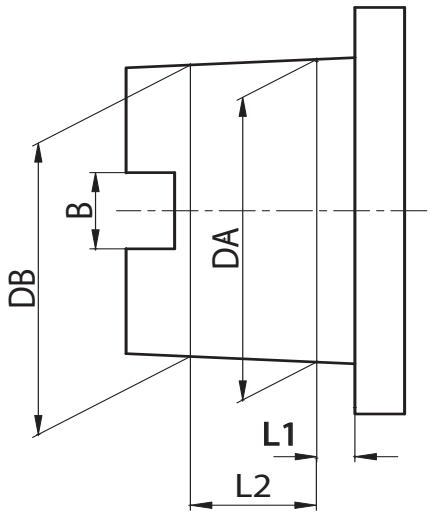
FORM E

- 用于高频率轴及木材加工。
- 对称旋转,没有键槽。
- 通过摩擦阻力传输扭矩。
- 通过冷却剂管道来进行中央冷却剂供应。

CONE'S TOLERANCE

KEGELSCHAFTTOLERANZEN TOLLERANZA DEL CONO
TOLERANCIA DEL CONO TOLERANCE DU CONE
ТОЧНОСТЬ КОНУСА 锥体误差

DIN 69893 E



HSK	L1	L2	D.A.		D.B.		B (only type A+C)
25 A+C+E	2,5	8,5	19	+0.005 +0.007	18,15	+0.003 +0.005	6.05 +/- 0.04
32 A+C	3,2	7.03	24	+0.005 +0.007	23,27	+0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9.05	30	+0.005 +0.007	29,05	+0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7.03	24	+0.005 +0.007	23,27	+0.003 +0.005	-
50 A+C+E	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9.05	30	+0.005 +0.007	29,05	+0.003 +0.005	-
63 A+C+E	6,3	14.07	48	+0.007 +0.011	46,53	+0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	-
100 A+C	10	24	75	+0.009 +0.015	72,6	+0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60	+0.008 +0.013	58,1	+0.003 +0.008	-

KINTEK TOOLHOLDERS

All KINTEK toolholders are manufactured according to DIN norms.
(these norms provide the same classes of tolerance for the attachment DIN69893 A+C, B+D, E, F)

COLLET CHUCK'S RUNOUT ACCURACY
The norm DIN 69882-6 permits a runout error of 0,005 mm. for DIN6499/ISO15488 collet chucks.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY
Our shell end mill adaptors meet the requirements of the norm DIN 69882-2, which prescribes for diameters Ø 16,22,27,32 a runout accuracy of 0,01

WELDON END MILL HOLDER'S RUNOUT ACCURACY
According to norm DIN 69882-4 Weldon end mill holders have to meet the following requirements: Bore: H5 / Runout accuracy: 0.005.

CONSTRUCTIVE FEATURES
- Manufactured with Casehardening Steel.
- Casehardened with depth 0,4 - 0,5 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Thread of collet nuts, internal and external diameters are completely grinding finished
- Tested 100% with certified measuring instruments.

MANDRINI KINTEK CON ATTACCO HSK

Tutti i mandrini portautensili KINTEK vengono prodotti secondo le normative DIN
(dette normative prevedono le stesse classi di tolleranza per gli attacchi DIN69893 A+C, B+D, E, F)

COASSIALITÀ PORTAPINZA
La normativa DIN 69882-6. ammette un'errore massimo di 0,005 mm. per i portapinze DIN6499/ISO15488

COASSIALITÀ PORTAFRESE FISSI E COMBINATI
I portafrese fissi e combinati rispondono ai criteri prescritti dalla norma DIN 69882-2 la quale prevede per i Ø 16,22,27,32 una coassialita' di 0,01

COASSIALITÀ PORTAFRESE WELDON
Secondo la normativa DIN 69882-4 il portafrese WELDON deve rispondere ai seguenti requisiti: Foro: H5 / Coassialitá: 0.005.

DATI COSTRUTTIVI
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,4 - 0,5 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza
- Collaudati 100% con strumenti di misura certificati.

STEILKEGELAUFNAHMEN KINTEK HSK

Alle KINTEK - Steilkegelaufnahmen werden nach den DIN - Normen angefertigt.
(Diese Normen sehen die gleichen Toleranzklassen für die DIN 69893 A+C, B+D, E, F Aufnahmen vor)

SPANNZANGENAUFNAHME RUNDLAUFGENAUIGKEIT
Die DIN69882-6 Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel / Spannzangensitz für die DIN6499/ISO15488- Spannzangenaufnahmen von 0,005 vor.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Kintek-Aufsteckfräsdorne entsprechen der DIN 69882-2 Norm, die für die Ø 16,22,27,32 eine Rundlaufgenauigkeit von 0,01 vorsieht.

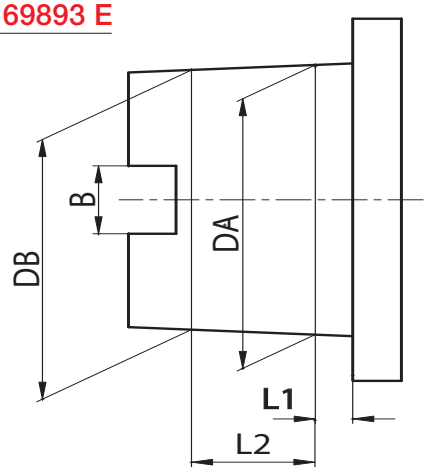
WELDON - AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Nach der DIN 69882-4 Norm muß der Weldon- Aufsteckfräsdorn die folgenden Forderungen aufweisen: Bohrung: H5 / Rundlaufgenauigkeit: 0.005.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,4 - 0,5 mm
- gehärtet, angelassen
- Härte HRC58 +-2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen und am Gewinde der Spannzangenmutter
- 100% durch zertifizierte Meßinstrumente geprüft.

CONE'S TOLERANCE

KEGELSCHAFTTOLERANZEN TOLLERANZA DEL CONO
TOLERANCIA DEL CONO TOLERANCE DU CONE
ТОЧНОСТЬ КОНУСА 锥体误差

DIN 69893 E



HSK	L1	L2	D.A.		D.B.		B (only type A+C)
25 A+C+E	2,5	8,5	19	+0.005 +0.007	18,15	+0.003 +0.005	6.05 +/- 0.04
32 A+C	3,2	7.03	24	+0.005 +0.007	23,27	+0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9.05	30	+0.005 +0.007	29,05	+0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7.03	24	+0.005 +0.007	23,27	+0.003 +0.005	-
50 A+C+E	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9.05	30	+0.005 +0.007	29,05	+0.003 +0.005	-
63 A+C+E	6,3	14.07	48	+0.007 +0.011	46,53	+0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	-
100 A+C	10	24	75	+0.009 +0.015	72,6	+0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60	+0.008 +0.013	58,1	+0.003 +0.008	-

CONOS KINTEK CON ACOPLAMIENTO HSK

Todos los conos portaherramientas KINTEK son fabricados de acuerdo con las normativas DIN (esas normativas prevén las mismas clases de tolerancia para los mangos DIN69893 A+C, B+D, E, F)

CONCENTRICIDAD DE LOS PORTAPINZAS
La normativa DIN69882-6 permite un error máximo de 0.005 MM para los portapinzas DIN6499/ISO15488

CONCENTRICIDAD DE LOS PORTAFRESAS
Los portafresas de nuestra producción cumplen los criterios establecidos desde la normativa DIN 69882-2, que prevé para los diámetros 16-22-27-32 una concentricidad de 0,01

CONCENTRICIDAD DE LOS PORTAFRESAS WELDON
Respetando la normativa DIN69882-4 los porta fresas Weldon tienen que cumplir los siguientes requisitos: Agujero: H5 - Concentricidad: 0,005

CARACTERISTICAS DE CONSTRUCCION
- Fabricados con acero de cementación
- Capa de cementado con 0,4 – 0,5 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior y exterior rectificados
- Rectificados en la parte anterior y en el roscado de la tuerca de cierre
- Testado 100% y con certificado de calidad

MANDRINS KINTEK HSK

Tous les mandrins porte-outils KINTEK sont fabriqués selon les les normes DIN (qui prévoient les mêmes classes de tolérance pour les attachement DIN69893 A+C, B+D, E, F)

COAXIALITE' PORTE-PINCE
La norme DIN 69882-6 permet une erreur de 0,005 mm. Maximum pour les porte-pinces DIN6499/ISO15488

COAXIALITE' PORTE-FRAISES FIXES ET COMBINES
Les porte-fraises fixes et combinés suivent les spécifications de la norme DIN 69882-2 qui prévoit pour les diamètres Ø 16,22,27,32 une coaxialité de 0,01

COAXIALITE' PORTE-FRAISES WELDON
Suivant les spécifications DIN 69882-4 les porte-fraises WELDON doivent suivre les conditions suivantes: Trou: H5 / Coaxialité: 0.005.

ELEMENTS DE CONSTRUCTION
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,4 - 0,5 mm
- Trempés - Revenus
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Rectification du cône intérieur, extérieur et dans le filetage des écrous qui serrent la pince.
- Contrôlés à 100 % avec des instruments de mesure certifiés.

ОПРАВКИ KINTEK

Все оправки Kintek произведены согласно стандарту DIN.
(Эти нормы обеспечивают тот же класс точности как DIN 6983 A+C, B+D, E, F)

БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
В соответствие с нормами DIN 69882-6, допустимое биение составляет 0,005 мм для цанговых патронов по DIN6499/ISO15488.

БИЕНИЕ ОПРАВОК ДЛЯ НАСАДНЫХ ФРЕЗ
Патроны изготовлены в соответствие с требованиями DIN 69882-2, согласно которым биение для диаметров 16-22-27-32-40 составляет 0,01.

БИЕНИЕ ПАТРОНОВ С КРЕПЛЕНИЕМ WELDON
Оправки соответствуют следующим требованиям DIN 69882-4:

Точность отверстия: H5 / Биение: 0,005

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,4 - 0,5 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внешние и внутренние диаметры, а также резьба гаек цанговых патронов.
- Каждая оправка испытана на сертифицированном оборудовании

KINTEK 刀柄

所有 KINTEK 刀柄均是根据 DIN 标准制造的。
(这些标准规定了与附件 DIN69893 A+C, B+D, E, F 相同级别的误差)。

弹簧夹头的径向跳动精度
DIN69882-6 标准允许 DIN6499/ISO15488 弹簧夹头的径向跳动误差为 0.005 毫米。

平面铣接头的径向跳动精度
我公司的平面铣接头满足 DIN 69882-2 标准要求，该标准规定了直径为 16，22，27，32 的径向跳动精度为 0. 01。

威尔登端铣夹具的径向跳动精度
根据 DIN 69882-4 标准规定，威尔登端铣夹具必须要达到下列要求：

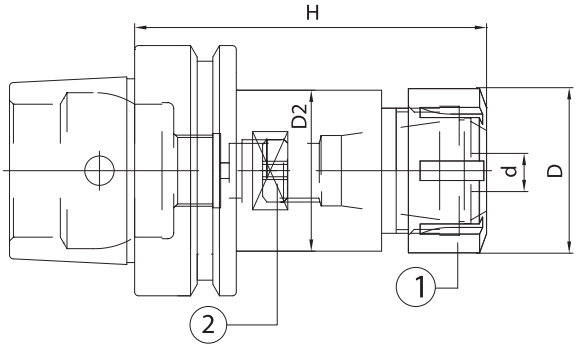
孔：H5 / 径向跳动精度：0.005.

结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0.4 - 0.5 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N / 平方毫米。
- 黑色氧化
- 夹头螺母螺纹，内径和外径均完成表面打磨处理。
- 100% 使用经过认证的测量仪器检测。

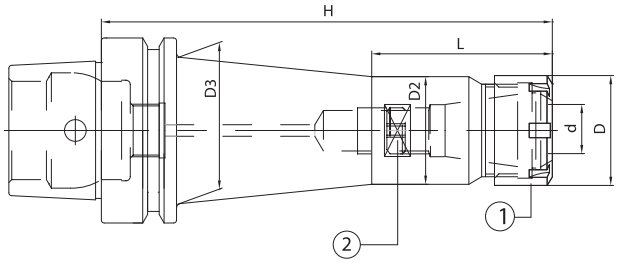
ER COLLET CHUCKS

SPANNZANGENFUTTER ER TYPE MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER ER 弹簧夹头

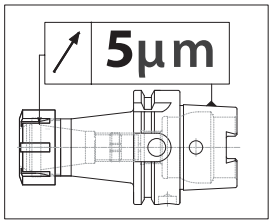
DIN 69893 E - DIN6499/ISO15488



	HSK	CODE N.	DESCRIPTION	H	d	D	ER	D2	G2,5 30000 RPM
STANDARD	25	214-37344	HSK25EH43ER16M	43	0,5÷10	22	16M	19	•
	32	214-37377	HSK32EH60ER16M	60	0,5÷10	22	16M	20	•
	32	214-37378	HSK32EH60ER25M	60	1÷16	35	25M	30	•
	40	214-37301	HSK40EH70ER16M	70	0,5÷10	22	16M	20	•
	40	214-37302	HSK40EH80ER25M	80	1÷16	35	25M	34	•
	50	214-37303	HSK50EH80ER16M	80	0,5÷10	22	16M	20	•
	50	214-37304	HSK50EH95ER25	95	1÷16	42	25	41,5	•
	50	214-37305	HSK50EH100ER32	100	2÷20	50	32	42	•
	63	214-37306	HSK63EH90ER16M	90	0,5÷10	22	16M	20	•
	63	214-37308	HSK63EH100ER32	100	2÷20	50	32	49,5	•
	63	214-37309	HSK63EH80ER40	80	3÷30	63	40	50	•



	HSK	CODE N.	DESCRIPTION	H	d	D	ER	L	D2	D3	G2,5 30000 RPM
EXT.	40	214-37311	HSK40EH120ER16M	120	0,5÷10	22	16M	47	20	29	•
	50	214-37313	HSK50EH150ER16M	150	0,5÷10	22	16M	47	20	40	•
	63	214-37316	HSK63EH160ER16M	160	0,5÷10	22	16M	47	20	39	•



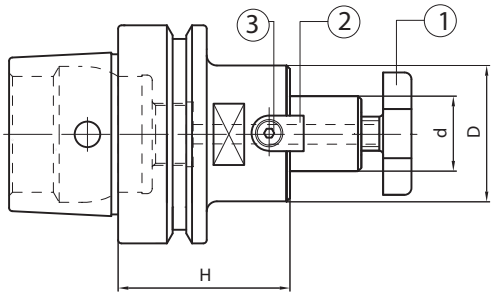
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT	STOP SCREW	WRENCH
	❶	❷	
16M	812-203013	811-303119	816-203009
25M	812-203015	811-303121	816-203011
25	812-203001	811-303121	816-203001
32	812-203002	811-303118	816-203002
40/H120	812-203003	811-303122	816-203003
40/H80	812-203003	-	816-203003

FACE MILL HOLDERS-TENONS DRIVE

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT | MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
CONOS PORTAFRESAS | MANDRINS PORTE-FRAISES-ENTRAINEMENT PAR TENONS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ | 平面铣刀柄 – 凸榫驱动

DIN 69893 E - ISO 3937



HSK	CODE N.	DESCRIPTION	H	d	D	G2,5 30000 RPM
40	216-77301	HSK40EH45D16F	45	16	38	•
40	216-77302	HSK40EH50D22F	50	22	48	•
63	216-77309	HSK63EH50D22F	50	22	48	•
63	216-77310	HSK63EH55D27F	55	27	58	•

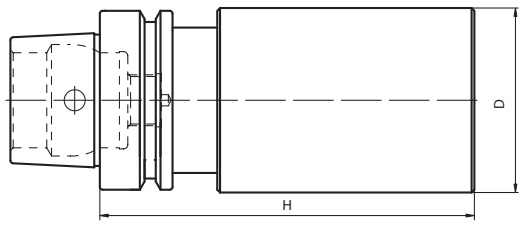
Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

d	CROSS SCREW ❶	CROSS SCREW ON ENQUIRY ❶	DOG ❷	SCREW ❸	WRENCH
16	811-107003	811-107013	814-202280	811-101004	816-130002
22	811-107004	811-107014	814-202250	811-101011	816-130003
27	811-107005	811-107015	814-202270	811-101018	816-130004
32	811-107006	811-107016	814-202630	811-101029	816-130005
40	811-107007	811-107017	814-202710	811-101029	816-130006

BLANK TOOLHOLDERS WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT | MANDRINI SEMILAVORATI A STELO TENERO
CONOS SEMIACABADOS | BARRES D'ALESAGE SEMI-FINIES
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ | 带软柄的切断刀柄

DIN 69893 E



HSK	CODE N.	DESCRIPTION	H	D
63	217-17303	HSK63EH200D63SM	200	63

HRC26-28

KINTEK®

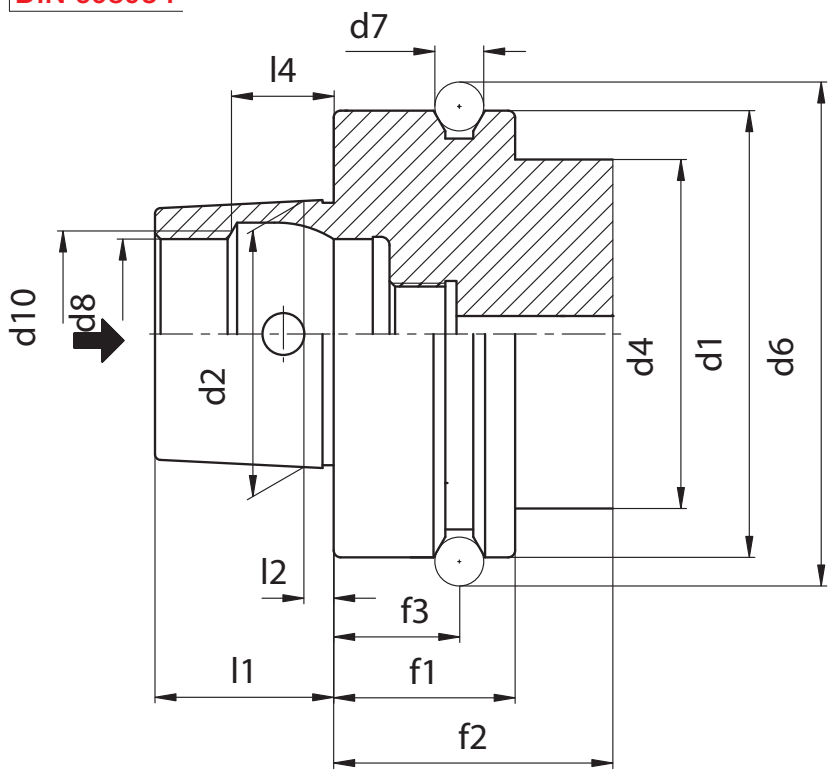
COMPONENTI INNOVATIVI TECNOMECCANICI

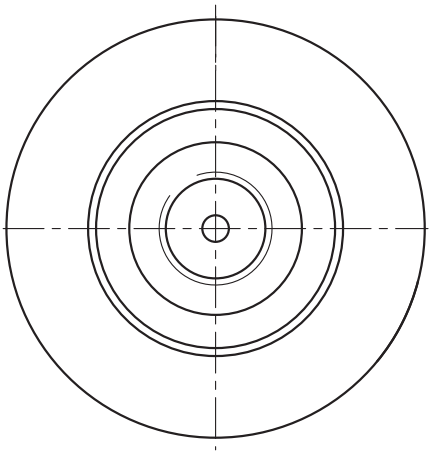
DIN 69893 F

TAPER SHANKS DATA SHEET

TECHNISCHE DATEN DER STEILKEGELWERKZEUGE DATI TECNICI CONI D'ATTACCO
CARACTERISTICAS TECNICAS DE LOS CONOS DONNEES TECHNIQUES QUEUE D'OUTILS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ 锥柄数据表

DIN 69893 F





	HSK 50	HSK 63
d1	50	63
d2	30	38
d4	42	53
d6	59,3	72,3
d7	7	7
d8	21	26
d10	23	29
f1	26	26
f2	42	42
f3	18	18
l1	20	25
l2	4	5
l4	11,42	14,13

FORM F

- Used for high frequency spindles and wood machining.
- With larger collar.
- Central coolant supply possible trough coolant hose.

FORMA F

- Usato su elettromandrini e su macchine per il legno.
- Con flangia maggiorata.
- Adduzione refrigerante al centro.

FORM F

- Anwendung für Hochfrequenzspindeln, Holzbearbeitungmaschinen.
- Mit vergrößertem Bund.
- Zentrale Kühlmittelzufuhr über Kühlmittelrohr möglich.

FORMA F

- Utilizado en las máquinas de alta frecuencia y en las máquinas para la madera.
- Valona incrementada
- Refrigeración por el centro

FORME F

- Utilisation pour des broches à hautes fréquences, les machines à usiner le bois.
- Avec èpaulement agrandi.
- Possibilité d'alimentation centrale du liquide de lubrification par tube d'arrosage.

ИСПОЛНЕНИЕ F

- Применяются в высокоскоростных шпинделях и деревообрабатывающих станках.
- Усиленный фланец.
- Возможна подача СОЖ через центральный канал оправки.

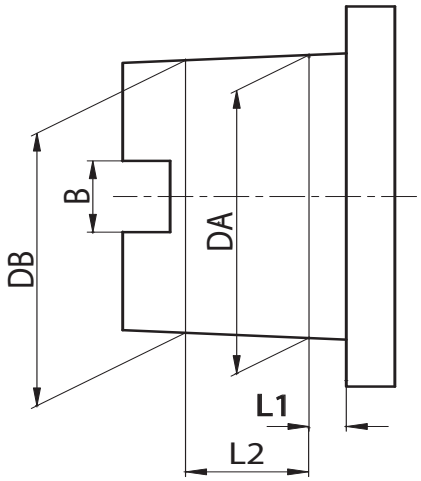
FORM F

- 用于高频率轴及木材加工。
- 具备大项圈。
- 可通过冷却剂管道进行中央冷却剂供 应。

CONE'S TOLERANCE

KEGELSCHAFTTOLERANZEN TOLLERANZA DEL CONO
TOLERANCIA DEL CONO TOLERANCE DU CONE
ТОЧНОСТЬ КОНУСА 锥体误差

DIN 69893 F



HSK	L1	L2	D.A.		D.B.		B (only type A+C)
32 A+C	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	-
50 A+C+E	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	-
63 A+C+E	6,3	14,7	48	+0.007 +0.011	46,53	+0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	-
100 A+C	10	24	75	+0.009 +0.015	72,6	+0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60	+0.008 +0.013	58,1	+0.003 +0.008	-

KINTEK TOOLHOLDERS

All KINTEK toolholders are manufactured according to DIN norms.
(these norms provide the same classes of tolerance for the attachment DIN69893 A+C, B+D, E, F)

COLLET CHUCK'S RUNOUT ACCURACY
The norm DIN 69882-6 permits a runout error of 0,005 mm. for DIN6499/ISO15488 collet chucks.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY
Our shell end mill adaptors meet the requirements of the norm DIN 69882-2, which prescribes for diameters Ø 16,22,27,32 a runout accuracy of 0,01

WELDON END MILL HOLDER'S RUNOUT ACCURACY
According to norm DIN 69882-4 Weldon end mill holders have to meet the following requirements: Bore: H5 / Runout accuracy: 0.005.

CONSTRUCTIVE FEATURES
- Manufactured with Casehardening Steel.
- Casehardened with depth 0,4 - 0,5 mm
- Hardened-Tempered
- Hardness HRC 58+-2, Strength 800-1000 N/mm2
- Black oxided
- Thread of collet nuts, internal and external diameters are completely grinding finished
- Tested 100% with certified measuring instruments.

MANDRINI KINTEK CON ATTACCO HSK

Tutti i mandrini portautensili KINTEK vengono prodotti secondo le normative DIN
(dette normative prevedono le stesse classi di tolleranza per gli attacchi DIN69893 A+C, B+D, E, F)

COASSIALITÀ PORTAPINZA
La normativa DIN 69882-6. ammette un'errore massimo di 0,005 mm. per i portapinze DIN6499/ISO15488

COASSIALITÀ PORTAFRESE FISSI E COMBINATI
I portafrese fissi e combinati rispondono ai criteri prescritti dalla norma DIN 69882-2 la quale prevede per i Ø 16,22,27,32 una coassialita' di 0,01

COASSIALITÀ PORTAFRESE WELDON
Secondo la normativa DIN 69882-4 il portafrese WELDON deve rispondere ai seguenti requisiti: Foro: H5 / Coassialitá: 0.005.

DATI COSTRUTTIVI
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,4 - 0,5 mm
- Temprati-rinvenuti
- Durezza HRC 58 +- 2 resistenza 800-1000 N/ mm2
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza
- Collaudati 100% con strumenti di misura certificati.

STEILGEKELAUFNAHMEN KINTEK HSK

Alle KINTEK - Steilgekelaufnahmen werden nach den DIN - Normen angefertigt.
(Diese Normen sehen die gleichen Toleranzklassen für die DIN 69893 A+C, B+D, E, F Aufnahmen vor)

SPANNZANGENAUFNAHME RUNDLAUFGENAUIGKEIT
Die DIN69882-6 Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel / Spannzangensitz für die DIN6499/ISO15488- Spannzangenaufnahmen von 0,005 vor.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Kintek-Aufsteckfräsdorne entsprechen der DIN 69882-2 Norm, die für die Ø 16,22,27,32 eine Rundlaufgenauigkeit von 0,01 vorsieht.

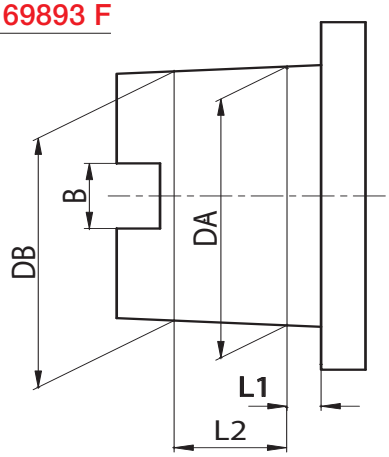
WELDON - AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT
Nach der DIN 69882-4 Norm muß der Weldon- Aufsteckfräsdorn die folgenden Forderungen aufweisen: Bohrung: H5 / Rundlaufgenauigkeit: 0.005.

KONSTRUKTIONSDATEN
- aus legiertem Einsatzstahl angefertigt
- in der Einsatzhärtetiefe von 0,4 - 0,5 mm zementiert
- gehärtet, angelassen
- Härte HRC58 +-2, Festigkeit 800-1000 N/mm2
- brüniert
- inneres, äußeres Schleifen und am Gewinde der Spannzangenmutter
- 100% durch zertifizierte Meßinstrumente geprüft.

CONE'S TOLERANCE

KEGELSCHAFTTOLERANZEN TOLLERANZA DEL CONO
TOLERANCIA DEL CONO TOLERANCE DU CONE
ТОЧНОСТЬ КОНУСА 锥体误差

DIN 69893 F



HSK	L1	L2	D.A.		D.B.		B (only type A+C)
32 A+C	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	7.05 +/- 0.04
40 A+C+E	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	8.05 +/- 0.04
40 B+D	3,2	7,3	24	+0.005 +0.007	23,27	+0.003 +0.005	-
50 A+C+E	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	10.54 +/- 0.04
50 B+D+F	4	9,5	30	+0.005 +0.007	29,05	+0.003 +0.005	-
63 A+C+E	6,3	14,7	48	+0.007 +0.011	46,53	+0.003 +0.007	12.54 +/- 0.04
63 B+D+F	5	11	38	+0.006 +0.009	36,9	+0.003 +0.006	-
100 A+C	10	24	75	+0.009 +0.015	72,6	+0.003 +0.009	20.02 +/- 0.04
100 B+D	8	19	60	+0.008 +0.013	58,1	+0.003 +0.008	-

MANDRINS KINTEK HSK

Tous les mandrins porte-outils KINTEK sont fabriqués selon les les normes DIN (qui prévoient les mêmes classes de tolérance pour les attachement DIN69893 A+C, B+D, E, F)

COAXIALITE' PORTE-PINCE
La norme DIN 69882-6 permet une erreur de 0,005 mm. Maximum pour les porte-pinces DIN6499/ISO15488

COAXIALITE' PORTE-FRAISES FIXES ET COMBINES
Les porte-fraises fixes et combinés suivent les spécifications de la norme DIN 69882-2 qui prévoit pour les diamètres Ø 16,22,27,32 une coaxialité de 0,01

COAXIALITE' PORTE-FRAISES WELDON
Suivant les spécifications DIN 69882-4 les porte-fraises WELDON doivent suivre les conditions suivantes: Trou: H5 / Coaxialité: 0.005.

ELEMENTS DE CONSTRUCTION
- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,4 - 0,5 mm
- Trempés - Revenus
- Dureté HRC 58 +- 2 résistance 800-1000 N/ mm2
- Brunis
- Rectification du cône intérieur, extérieur et dans le filetage des écrous qui serrent la pince.
- Contrôlés à 100 % avec des instruments de mesure certifiés.

CONOS KINTEK CON ACOPLAMIENTO HSK

Todos los conos portaherramientas KINTEK son fabricados de acuerdo con las normativas DIN (esas normativas prevén las mismas clases de tolerancia para los mangos DIN69893 A+C, B+D, E, F)

CONCENTRICIDAD DE LOS PORTAPINZAS
La normativa DIN69882-6 permite un error máximo de 0.005 MM para los portapinzas DIN6499/ISO15488

CONCENTRICIDAD DE LOS PORTAFRESAS
Los portafresas de nuestra producción cumplen los criterios establecidos desde la normativa DIN 69882-2, que prevé para los diámetros 16-22-27-32 una concentricidad de 0,01

CONCENTRICIDAD DE LOS PORTAFRESAS WELDON
Respetando la normativa DIN69882-4 los porta fresas Weldon tienen que cumplir los siguientes requisitos: Agujero: H5 - Concentricidad: 0,005

CARACTERISTICAS DE CONSTRUCCION
- Fabricados con acero de cementación
- Capa de cementado con 0,4 – 0,5 mm
- Endurecidos – Templados
- Dureza HRC 58 +- 2, resistencia a la tracción 800-1000N/mm2
- Pavonados
- Acabado interior y exterior rectificados
- Rectificados en la parte anterior y en el roscado de la tuerca de cierre
- Testado 100% y con certificado de calidad

ОПРАВКИ KINTEK

Все оправки Kintek произведены согласно стандарту DIN.
(Эти нормы обеспечивают тот же класс точности как DIN 6983 A+C, B+D, E, F)

БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
В соответствие с нормами DIN 69882-6, допустимое биение составляет 0,005 мм для цанговых патронов по DIN6499/ISO15488.

БИЕНИЕ ОПРАВОК ДЛЯ НАСАДНЫХ ФРЕЗ
Патроны изготовлены в соответствие с требованиями DIN 69882-2, согласно которым биение для диаметров 16-22-27-32-40 составляет 0,01.

БИЕНИЕ ПАТРОНОВ С КРЕПЛЕНИЕМ WELDON
Оправки соответствуют следующим требованиям DIN 69882-4:

Точность отверстия: H5 / Биение: 0,005

КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,4 - 0,5 мм
- Оправки подвергнуты закалке и отпуску
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Защитно-декоративное покрытие черного цвета
- Шлифованные внешние и внутренние диаметры, а также резьба гаек цанговых патронов.
- Каждая оправка испытана на сертифицированном оборудовании

KINTEK 刀柄

所有 KINTEK 刀柄均是根据 DIN 标准制造的。
(这些标准规定了与附件 DIN69893 A+C, B+D, E, F 相同级别的误差)。

弹簧夹头的径向跳动精度
DIN69882-6 标准允许 DIN6499/ISO15488 弹簧夹头的径向跳动误差为 0,005 毫米。

平面铣接头的径向跳动精度
我公司的平面铣接头满足 DIN 69882-2 标准要求，该标准规定了直径为 16，22，27，32 的径向跳动精度为 0，01。

威尔登端铣夹具的径向跳动精度
根据 DIN 69882-4 标准规定，威尔登端铣夹具必须要达到下列要求：

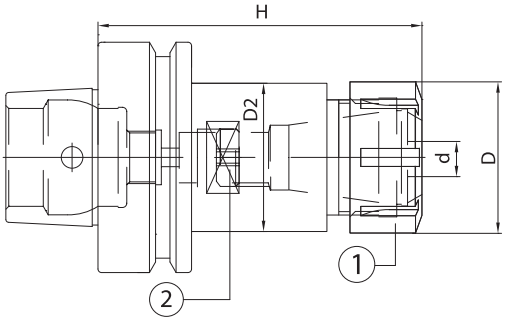
孔：H5
径向跳动精度：0.005.

结构特点
- 用表面硬化钢材制造。
- 硬化深度达 0,4 – 0,5 毫米。
- 经过硬化及回火处理。
- 硬度达 HRC 58+-2，强度达 800-1000 N / 平方毫米。
- 黑色氧化。
- 夹头螺母的螺纹，内径和外径均进行了表面打磨处理。
- 100% 使用经过认证的测量仪器检测。

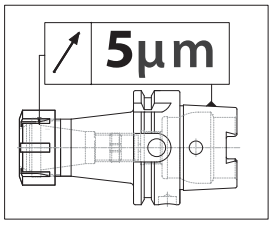
ER COLLET CHUCKS

SPANNZANGENFUTTER ER TYPE MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER ER 弹簧夹头

DIN 69893 F - DIN6499/ISO15488



HSK	CODE N.	DESCRIPTION	H	d	D	ER	L	D2	D3	G2,5 30000 RPM
50	214-37401	HSK50FH80ER16M	80	0,5÷10	22	16M	-	21,5	-	●
50	214-37402	HSK50FH80ER25	80	1÷16	42	25	-	32	-	●
63	214-37404	HSK63FH100ER16M	100	0,5÷10	22	16M	47	21,5	26	●
63	214-37405	HSK63FH100ER25	100	1÷16	42	25	-	41,5	-	●
63	214-37429	HSK63FH73ER32	73	2÷20	50	32	-	49,5	-	●
63	214-37406	HSK63FH100ER32	100	2÷20	50	32	-	49,5	-	●
63	214-37411	HSK63FH160ER16M	160	0,5÷10	22	16M	57	21,5	35	●
63	214-37413	HSK63FH160ER32	160	2÷20	50	32	-	49,5	-	●
63	214-37407	HSK63FH80ER40	80	3÷30	63	40	-	50	-	●



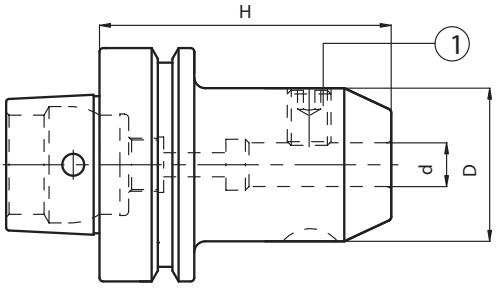
Spare parts • Componenti • Ersatzteile • Piezas de repuesto
Pièces détachées • Запасные части • 零件

ER	NUT	STOP SCREW	WRENCH
	❶	❷	
16M	812-203013	811-303119	816-203009
25	812-203001	811-303121	816-203001
32	812-203002	811-303118	816-203002
40	812-203003	-	816-203003

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON MANDRINI PORTAFRESE TIPO WELDON
CONOS PORTAHERRAMIENTAS WELDON MANDRINS POUR OUTILS TYPE WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON 威尔登式端铣夹具

DIN 69893 F - DIN 1835/B



HSK	CODE N.	DESCRIPTION	H	d	D	G2,5 20000 RPM
63	213-17410	HSK63FH80WE12	80	12	42	●
63	213-17411	HSK63FH80WE16	80	16	48	●
63	213-17412	HSK63FH85WE20	85	20	52	●
63	213-17413	HSK63FH110WE25	110	25	65	●

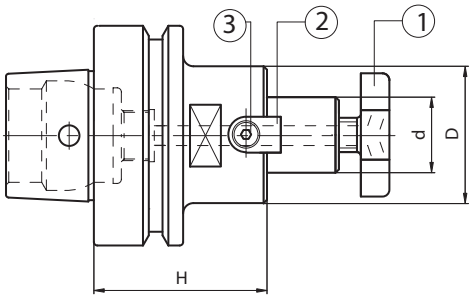
Spare parts • Componenti
Ersatzteile • Piezas de repuesto
Pièces détachées
Запасные части • 零件

d	LOCKING SCREW	QUANTITY
	❶	
6	811-106001	1
8	811-106002	1
10	811-106004	1
12	811-106005	1
16	811-106006	1
20	811-106007	1
25	811-106008	2

FACE MILL HOLDERS-TENONS DRIVE

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT
CONOS PORTAFRESAS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ
MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
MANDRINS PORTE-FRAISES-ENTRAINEMENT PAR TENONS
平面铣刀柄 – 凸榫驱动

DIN 69893 F - ISO 3937



HSK	CODE N.	DESCRIPTION	H	d	D	G2,5 20000 RPM
63	216-77404	HSK63FH45D16F	45	16	38	•
63	216-77405	HSK63FH50D22F	50	22	48	•
63	216-77406	HSK63FH55D27F	55	27	58	•
63	216-77407	HSK63FH60D32F	60	32	78	•

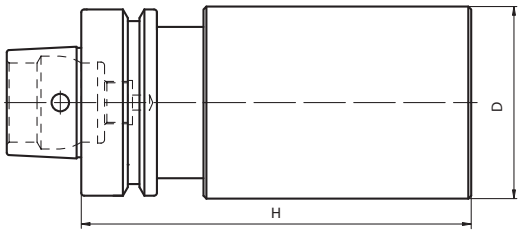
Spare parts • Componenti • Ersatzteile • Piezas de repuesto • Pièces détachées • Запасные части • 零件

d	CROSS SCREW ❶	CROSS SCREW ON ENQUIRY ❶	DOG ❷	SCREW ❸	WRENCH
16	811-107003	811-107013	814-202280	811-101004	816-130002
22	811-107004	811-107014	814-202250	811-101011	816-130003
27	811-107005	811-107015	814-202270	811-101018	816-130004
32	811-107006	811-107016	814-202630	811-101029	816-130005
40	811-107007	811-107017	814-202710	811-101029	816-130006

BLANCK TOOLHOLDERS WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT
CONOS SEMIACABADOS
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ
MANDRINI SEMILAVORATI A STELO TENERO
EBAUCHE
带软柄的切断刀柄

DIN 69893 F



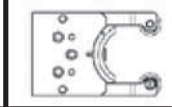
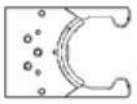
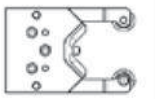
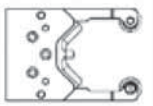
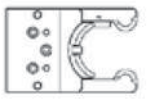
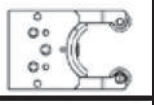
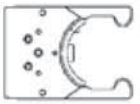
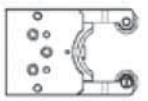
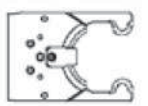
HSK	CODE N.	DESCRIPTION	H	D
63	217-17402	HSK63FH200D63SM	200	63

HRC26-28

CLAMPING FINGERS

GREIFER FÜR WERKZEUGMAGAZIN PINZE PER MAGAZZINI UTENSILI
PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS
ЗАХВАТЫ 夹具

CLAMPING FINGERS • PINZE • PINZAS • GREIFER PINCES • ЗАХВАТЫ • 夹具

		Codice/Code	Peso del mandrino / Toolholder 's weight: Max. Load in vertical Pos .(kg)	Max. Load in upper Pos .(kg)	Max. Load in lower Pos .(kg)	Lunghezza del mandrino (mm) Tool's length (mm)	Molla/Spring	
CAS-HSK63A		832-018030	14,6	7,8	4,1	250	SN 2540-16-76	A
		832-018470	21	11,2	5,9	250	SN 2560-16-76	B
CAS-HSK100A		832-018020	40	20,5	11	400	SDF600-20x102	A
		832-018480	80	50	27	400	SDF700-20x102	B
CAS-C6		832-007940	15,6	8,3	4,4	250	SN 2540-16-76	A
		832-018490	22,3	11,9	6,3	250	SN 2560-16-76	B
CAS-C8		832-018050	18,2	10,5	5,1	250	SDF600-16x89	A
		832-018500	29	16,7	8,2	250	SDF700-16x89	B
CAS-KM 63-2		832-007980	14,4	7,7	4	250	SN 2540-16-76	A
		832-018510	20,5	10,9	5,8	250	SN 2560-16-76	B
CAS-TC 40		832-018520	14,6	7,8	4,1	250	SN 2540-16-76	A
		832-018530	21	11,2	5,9	250	SN 2560-16-76	B
CAS-TC50		832-018360	25	13	7	400	SDF500-20x102	C
		832-018210	40	27	15	400	SDF600-20x102	A
CAS-BT 40		832-018540	14,6	7,8	4,1	250	SN 2540-16-76	A
		832-018550	21	11,2	5,9	250	SN 2560-16-76	B
CAS-BT 50		832-018370	25	13	7	400	SDF500-20x102	C
		832-018200	61	31	17	400	SDF600-20x102	A

A Middle Strength Spring • Molla Forza Media • Muelle fuerza media • Mittelkraft Feder • Ressort moyen force • Пружина средней жесткости • 中等强度的弹簧
B Stiffened Spring • Molla Rinforzata • Muelle reforzado • Verstärkte Feder • Ressort renforcé • Пружина повышенной жесткости • 强化弹簧
C Normal Spring • Molla Normale • Muelle Normal • Normale Feder • Ressort normal • Пружина нормальной жесткости • 正常弹簧

CLAMPING FINGERS FOR TOOL MAGAZINES

GREIFER FÜR WERKZEUGMAGAZIN
PINZE ALLOGGIAMENTO PORTAUTENSILI PER MAGAZZINI MACCHINE UTENSILI
PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS
PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS
ЗАХВАТЫ ДЛЯ ИНСТРУМЕНТАЛЬНОГО МАГАЗИНА
刀具库使用的夹具

DIN 69893 F

CLAMPING FINGERS FOR TOOL MAGAZINES

Thanks to our constant and exhaustive co-operation with the most famous machine tool makers we develop a very good experience into the manufacturing of high precision clamping fingers for toolmagazines. Our range includes clampers for the most popular attachements: ISO CONES, HSK Holders but of course we are open to any new version, according to the customer's drawing.

PINZE ALLOGGIAMENTO PORTAUTENSILI PER MAGAZZINI MACCHINE UTENSILI

Grazie alla nostra costante ed intensa collaborazione con i più famosi costruttori di macchine utensili, abbiamo sviluppato una buona esperienza nella produzione di Pinze ad alta precisione per l'alloggiamento nei magazzini di macchine utensili. Nella nostra gamma sono presenti attacchi: ISO, HSK ed altri, e naturalmente siamo aperti ad altre versioni secondo disegno del cliente.

GREIFER FÜR WERKZEUGMAGAZIN

Dank unserer intensiven und engen Zusammenarbeit mit den berühmtesten Maschinenherstellern Europas haben wir eine sehr gute Erfahrung auch in dem Bereich Magazinkassetten entwickelt. Gerne bieten wir Ihnen folgende Ausführungen: für ISO, HSK und alle andere, nach Ihrem Wunsch.

PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS

Gracias a nuestra constante e intensa colaboración con los más conocidos fabricantes de máquinas herramientas, hemos adquirido una gran experiencia en la producción de pinzas de alta precisión para los almacenes portaherramientas. En nuestra gama están incluidos las conexiones: ISO, HSK, BT, etc... Por supuesto estamos abiertos a fabricar otras versiones, de acuerdo con el plano del cliente.

PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS

Gràce a notre constante et intensive collaboration avec les plus célèbres constructeurs des machine outils, nous avons développé une bonne expérience pour la production de pinces des logement pour le magasin des machines outils. Dans notre gamme il y a attachements: ISO, HSK et autres. Naturellement nous sommes ouverts à construir autres tipes de pinces suite aux differents plans du client.

ЗАХВАТЫ ДЛЯ ИНСТРУМЕНТАЛЬНОГО МАГАЗИНА

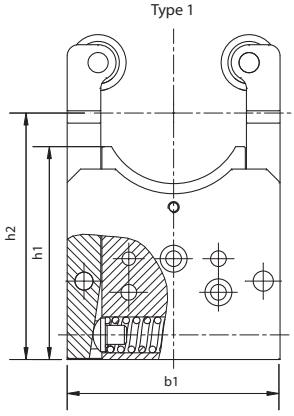
Благодаря постоянному и тесному сотрудничеству с самыми известными производителями инструмента мы получили большой опыт в изготовлении высокоточных захватов для инструментальных магазинов. Линейка захватов включает в себя самые часто используемые модели: для конусов ISO и HSK. Разумеется, мы готовы изготовить специальный захват по чертежам заказчика.

刀具库使用的夹具

由于我公司长期与著名的机器工具制造商进行全面的合作，我公司已经积累了制造工具库使用高精度夹具的丰富经验。我们的产品范围包括最受欢迎的附件夹具：ISO 锥体、HSK，当然，我公司也乐于制造根据客户提供的图纸确定的任何新版本的产品。

CLAMPING FINGERS

GREIFER FÜR WERKZEUGMAGAZIN
PINZAS PARA EL ALMACEN PORTAHERRAMIENTAS
ЗАХВАТЫ
PINZE PER MAGAZZINI UTENSILI
PINCES DE LOGEMENT POUR LE MAGASIN DES MACHINES OUTILS
夹具



CODE N.	TOOL	b1	h1	h2	TYPE	TYPE SPRING
832-018030	HSK 63A	95	95	110	1	A
832-018470	HSK 63A	95	95	110	1	B
832-018020	HSK 100A	135	118	139	2	A
832-018480	HSK 100A	135	118	139	2	B
832-007940	C63	95	91	110	1	A
832-018490	C63	95	91	110	1	B
832-018050	C80	105	85	110	1	A
832-018500	C80	105	85	110	1	B
832-007980	KM 63	95	100	110	2	A
832-018510	KM 63	95	100	110	2	B
832-018520	TC 40	95	95	110	1	A
832-018530	TC 40	95	95	110	1	B
832-018360	TC 50	135	118	139	2	C
832-018210	TC 50	135	118	139	2	A
832-018540	BT 40	95	95	110	1	A
832-018550	BT 40	95	95	110	1	B
832-018370	BT 50	135	118	139	2	C
832-018200	BT 50	135	118	139	2	A

A Middle Strength Spring
Molla Forza Media
Muelle fuerza media
Mittelkraft Feder
Ressort moyen force
Пружина средней жесткости
中等强度的弹簧

B Stiffened Spring
Molla Rinforzata
Muelle reforzado
Verstärkte Feder
Ressort renforcé
Пружина повышенной жесткости
强化弹簧

C Normal Spring
Molla Normale
Muelle Normal
Normale Feder
Ressort normal
Пружина нормальной жесткости
正常弹簧

KINTEK®

COMPONENTI INNOVATIVI TECNOMECCANICI

HSK ACCESSORIES

ASSEMBLY SUPPORTS

MONTAGEBLOCK SUPPORTO DI MONTAGGIO
SOPORTE DE MONTAJE SUPPORTS D'ASSEMBLAGE
СТОЙКА ДЛЯ СБОРКИ ИНСТРУМЕНТА 组件支架

It is very useful for all assembly and disassembly operations of the tools on the toolholders, either in horizontal or in vertical position. This process is carried out without any risk to damage casually the tool or the toolholder. It is a very simple system suitable for HSK toolholders.

Consente di effettuare tutte le operazioni di montaggio e smontaggio degli utensili sui mandrini, sia in orizzontale che in verticale. Questi procedimenti avvengono con razionalitá, sicurezza, rapiditá e senza alcun rischio di danneggiare il mandrino o l'utensile. È il sistema che offre la massima semplicitá d'uso per i mandrini HSK.

Permite efectuar todas las operaciones de montaje y desmontaje de las herramientas sobre los conos, tanto en horizontal como en vertical. Esos procedimientos se realizan con racionalidad, seguridad, rapidez y sin algún riesgo de dañar el cono o la herramienta. Es un sistema que ofrece la máxima simplicidad de uso para los conos monolíticos.

Dieses unkompliziertes System erlaubt die schnelle und sichere Montage und Demontage von Steilkegelaufnahmen in horizontaler und vertikaler Lage. Das Risiko der Werkzeugbeschädigung ist ausgeschlossen. Es eignet sich natürlich auch für modulare HSK-Aufnhmen.

HSK	CODE N
A+C 32	237-32150
A+C 40	237-32250
A+C 50	237-32350
A+C 63	237-32450
A+C 100	237-32650
B+D 40	237-32260
B+D 50	237-32360
B+D 63	237-32460
B+D 100	237-32660
E4,F40	237-32270
E50,F50	237-32370
E63,F63	237-32470

Il permets d'effectuer toutes les opérations de montage / assemblage / démontage des outils sur les mandrins. Ces proces se déroulent avec rationalité, sureté, vitesse et sans aucun risque d'endommagement accidentel du mandrin ou de l'outil. C'est un systéme qui offre la plus haute simplicité d'usage et il est bien indiqué pour les HSK mandrin.

Приспособление очень удобно для операций сборки и демонтажа инструмента, как в вертикальном, так и в горизонтальном положении. Оно позволяет избежать повреждения оправок или режущего инструмента. Это простое приспособление подходит для монолитных оправок.

它对于所有将工具以垂直或水平方向安装在刀柄上和从工具柄上拆除，均非常有用。这一过程的执行不会对工具或刀柄产生任何破坏的风险。这一非常简单的系统适用于HSK刀柄。

ASSEMBLY SUPPORTS ECONOMIC VERSION

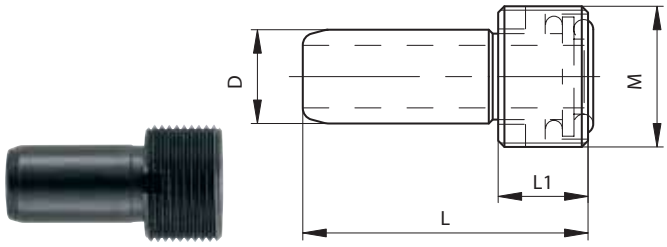
MONTAGEBLOCK SUPPORTO DI MONTAGGIO VERSIONE ECONOMICA
SOPORTE DE MONTAJE SUPPORTS D'ASSEMBLAGE
УСТРОЙСТВО ДЛЯ СБОРКИ ИНСТРУМЕНТА. ЭКОНОМИЧНАЯ ВЕРСИЯ. 经济型组件支架

ECONOMIC VERSION

CODE N.	ATTACK
268-30001	HSK 63A-C-D-E
268-30002	HSK 100A-C-D-E

COOLANT SUPPLY UNIT

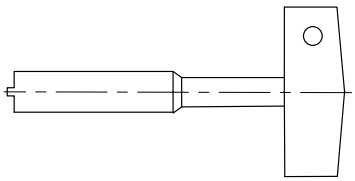
KÜHLMITTELÜBERGABEROHR SET ADDUZIONE REFRIGERANTE
TUBO DE REFRIGERANTE DISPOSITIF DE TRANSFERT DE LIQUIDE DE LUBRIFICATION
СОПЛА ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 冷却剂供应装置



HSK	CODE N.	M	D	L	L1
A+C32,B+D40	832-016010	M10x1	6	26	5.5
A+C40,B+D50,E40,F50	832-016020	M12x1	8	29.3	7.5
A+C50,B+D63,E50,F63	832-016030	M16x1	10	33	9.5
A+C63,E63	832-016040	M18x1	12	36.6	11.5
B+D100-80A	832-016050	M20x1.5	14	40	13.5
A+C100	832-016060	M24x1.5	16	44	15.5

KEY FOR COOLANT SUPPLY UNIT

SCHLÜSSEL FÜR KÜHLMITTELÜBERGABESATZ CHIAVE PER ADDUTTORE REFRIGERANTE
LLAVE PARA TUBO DE REFRIGERANTE CLE POUR LE DISPOSITIF DE TRANSFERT DE LIQUIDE DE LUBRIFICATION
КЛЮЧИ К СОПЛАМ ДЛЯ ВНУТРЕННЕЙ ПОДАЧИ СОЖ 冷却剂供应装置键



HSK	CODE N.
40	816-204022
50	816-204023
63	816-204024
100	816-204025

KINTEK®

SHRINK FIT CHUCKS

MANDRINI A CALETTAMENTO

www.kintek.it

SHRINK FIT CHUCKS

MANDRINI A CALETTAMENTO

SCHRUMPFFUTTER

CONOS TERMICOS

MANDRINS DE FRETTAGE

ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ

热缩刀柄

KINTEK®

COMPONENTI INNOVATIVI TECNOMECCANICI

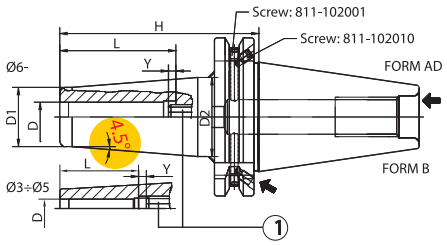
SHRINK FIT CHUCKS

DIN 69871
MAS 403/BT
DIN 69893

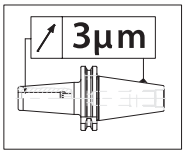
SHRINK FIT CHUCKS ISO 40 DIN 69871 AD/B

SCHRUMPFFUTTER ISO 40 DIN 69871 AD/B | MANDRINI A CALETTAMENTO ISO 40 DIN 69871 AD/B
CONOS TERMICOS ISO 40 DIN 69871 AD/B | MANDRINS DE FRETTAGE TYPE ISO 40 DIN 69871 AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ ISO 40 ПО DIN 69871 ТИП AD/B | 热缩刀柄 ISO 40 DIN 69871 AD/B

DIN 69871 AD/B



4.5° PROGRAMME

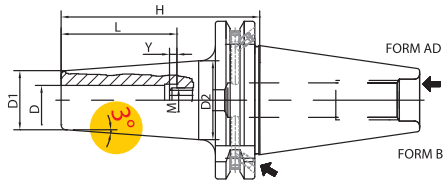


	CODE N.	DESCRIPTION	D	H	L	Ymax	D1	D2	G2,5 25000
STANDARD	251-11232	TC40H80K03-HTT	3	80	22	10	10	17	●
	251-11225	TC40H80K04-HTT	4	80	26	10	15	22	●
	251-11233	TC40H80K05-HTT	5	80	30	10	15	22	●
	251-11201	TC40H80K06-HTT	6	80	36	10	21	27	●
	251-11202	TC40H80K08-HTT	8	80	36	10	21	27	●
	251-11203	TC40H80K10-HTT	10	80	41	10	24	32	●
	251-11204	TC40H80K12-HTT	12	80	47	10	24	32	●
	251-11206	TC40H80K14-HTT	14	80	47	10	27	34	●
	251-11205	TC40H80K16-HTT	16	80	50	10	27	34	●
	251-11207	TC40H80K18-HTT	18	80	50	10	33	42	●
	251-11208	TC40H80K20-HTT	20	80	52	10	33	42	●
	251-11218	TC40H100K25-HTT	25	100	58	10	44	53	●
H 120	251-11295	TC40H120K03-HTT	3	120	22	10	10	20	●
	251-11296	TC40H120K04-HTT	4	120	26	10	15	22	●
	251-11297	TC40H120K05-HTT	5	120	30	10	15	22	●
	251-11209	TC40H120K06-HTT	6	120	36	10	21	27	●
	251-11210	TC40H120K08-HTT	8	120	36	10	21	27	●
	251-11211	TC40H120K10-HTT	10	120	41	10	24	32	●
	251-11212	TC40H120K12-HTT	12	120	47	10	24	32	●
	251-11298	TC40H120K16-HTT	16	120	50	10	27	34	●

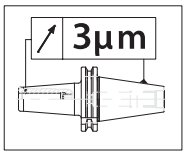
SHRINK FIT CHUCKS ISO 40 DIN 69871 AD/B

SCHRUMPFFUTTER ISO 40 DIN 69871 AD/B | MANDRINI A CALETTAMENTO ISO 40 DIN 69871 AD/B
CONOS TERMICOS ISO 40 DIN 69871 AD/B | MANDRINS DE FRETTAGE TYPE ISO 40 DIN 69871 AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ ISO 40 ПО DIN 69871 ТИП AD/B | 热缩刀柄 ISO 40 DIN 69871 AD/B

DIN69871



3° PROGRAMME

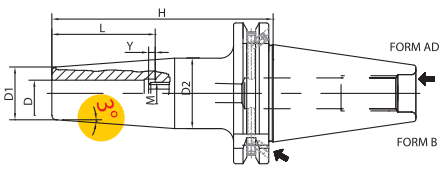


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
STANDARD	251-21284	TC40H80K03-HTT	3	80	28	16	9	14	M6	2	●
	251-21285	TC40H80K04-HTT	4	80	28	12	10	15	M6	2	●
	251-21287	TC40H80K06-HTT	6	80	36	10	12	17	M5	2,5	●
	251-21288	TC40H80K08-HTT	8	80	36	10	14	19	M6	3	●
	251-21289	TC40H80K10-HTT	10	80	41	10	16	21	M8x1	3	●
	251-21290	TC40H80K12-HTT	12	80	47	10	18	23	M10x1	5	●
	251-21292	TC40H80K16-HTT	16	80	50	10	22	28	M12x1	5	●

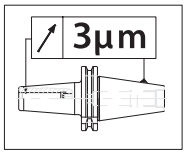
SHRINK FIT CHUCKS ISO 40 DIN 69871 AD/B

SCHRUMPFFUTTER ISO 40 DIN 69871 AD/B | MANDRINI A CALETTAMENTO ISO 40 DIN 69871 AD/B
CONOS TERMICOS ISO 40 DIN 69871 AD/B | MANDRINS DE FRETTAGE TYPE ISO 40 DIN 69871 AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ ISO 40 ПО DIN 69871 ТИП AD/B | 热缩刀柄 ISO 40 DIN 69871 AD/B

DIN69871



3° PROGRAMME



	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
H120	251-21295	TC40H120K03-HTT	3	120	12	-	9	16	-	-	●
	251-21296	TC40H120K04-HTT	4	120	16	-	10	17	-	-	●
	251-21298	TC40H120K06-HTT	6	120	36	10	12	22	M5	2,5	●
	251-21299	TC40H120K08-HTT	8	120	36	10	14	24	M6	3	●
	251-31201	TC40H120K10-HTT	10	120	41	10	16	26	M8x1	3	●
	251-31202	TC40H120K12-HTT	12	120	47	10	18	28	M10x1	5	●
	251-31204	TC40H120K16-HTT	16	120	50	10	22	32	M12x1	5	●
H160	251-31207	TC40H160K03-HTT	3	160	12	-	9	19	-	-	●
	251-31208	TC40H160K04-HTT	4	160	16	-	10	20	-	-	●
	251-31209	TC40H160K05-HTT	5	160	20	-	11	21	-	-	●
	251-31210	TC40H160K06-HTT	6	160	36	10	12	24	M5	2,5	●
	251-31211	TC40H160K08-HTT	8	160	36	10	14	26	M6	3	●
	251-31212	TC40H160K10-HTT	10	160	41	10	16	28	M8x1	3	●
	251-31213	TC40H160K12-HTT	12	160	47	10	18	30	M10x1	5	●
	251-31215	TC40H160K16-HTT	16	160	50	10	22	34	M12x1	5	●
	251-31217	TC40H160K20-HTT	20	160	52	10	26	38	M16x1	8	●

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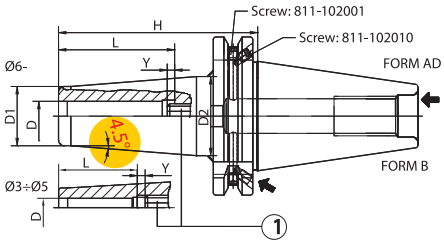
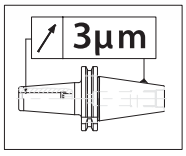
SHRINK FIT CHUCKS ISO 50 DIN 69871 AD/B

SCHRUMPFFUTTER ISO 50 DIN 69871 AD/B | MANDRINI A CALETTAMENTO ISO 50 DIN 69871 AD/B
CONOS TERMICOS ISO 50 DIN 69871 AD/B | MANDRINS DE FRETTAGE TYPE ISO 50 DIN 69871 AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ ISO 50 ПО DIN 69871 ТИП AD/B | 热缩刀柄 ISO 50 DIN 69871 AD/B

DIN 69871 AD/B



4.5° PROGRAMME

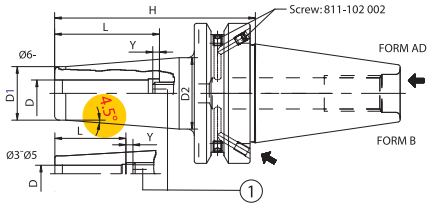


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	G2,5 25000
STANDARD	251-21252	TC50H80K04-HTT	4	80	-	-	15	25	●
	251-11234	TC50H80K06-HTT	6	80	36	10	21	27	●
	251-11235	TC50H80K08-HTT	8	80	36	10	21	27	●
	251-11236	TC50H80K10-HTT	10	80	41	10	24	32	●
	251-11237	TC50H80K12-HTT	12	80	47	10	24	32	●
	251-11224	TC50H80K16-HTT	16	80	50	10	27	34	●
H120	251-11242	TC50H120K06-HTT	6	120	36	10	21	27	●
	251-11243	TC50H120K08-HTT	8	120	36	10	21	27	●
	251-11244	TC50H120K10-HTT	10	120	41	10	24	32	●
	251-11245	TC50H120K12-HTT	12	120	47	10	24	32	●
	251-11247	TC50H120K16-HTT	16	120	50	10	27	34	●
	251-11249	TC50H120K20-HTT	20	120	52	10	33	42	●
H160	251-21263	TC50H160K06-HTT	6	160	36	10	21	27	●
	251-21264	TC50H160K08-HTT	8	160	36	10	21	27	●
	251-21265	TC50H160K10-HTT	10	160	41	10	24	32	●
	251-21266	TC50H160K12-HTT	12	160	47	10	24	32	●
	251-21267	TC50H160K14-HTT	14	160	47	10	27	34	●
	251-21268	TC50H160K16-HTT	16	160	50	10	27	34	●
	251-21270	TC50H160K20-HTT	20	160	52	10	33	42	●

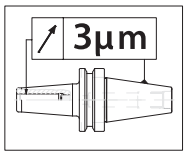
SHRINK FIT CHUCKS MAS BT40 AD/B

SCHRUMPFFUTTER MAS BT40 FORM AD/B | MANDRINI A CALETTAMENTO MAS BT40 TIPO AD/B
CONOS TERMICOS MAS BT40 FORMA AD/B | MANDRINS DE FRETTAGE MAS BT40 TYPE AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ MAS BT-40 ТИП AD/B | 热缩刀柄 MAS BT40 AD/B

JIS-B 6339 MAS 403 BT-AD/B - MAS BT AD/B



4.5° PROGRAMME

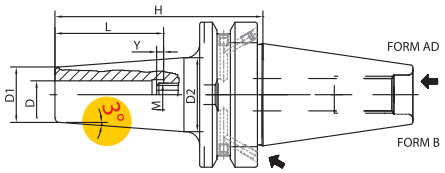


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	G2,5 25000
STANDARD	251-11580	BT40H90K03-HTT	3	90	22	10	10	17	●
	251-11581	BT40H90K04-HTT	4	90	26	10	15	22	●
	251-11501	BT40H90K06-HTT	6	90	36	10	21	27	●
	251-11502	BT40H90K08-HTT	8	90	36	10	21	27	●
	251-11503	BT40H90K10-HTT	10	90	41	10	24	32	●
	251-11504	BT40H90K12-HTT	12	90	47	10	24	32	●
	251-11506	BT40H90K16-HTT	16	90	50	10	27	34	●
	251-11508	BT40H90K20-HTT	20	90	52	10	33	42	●

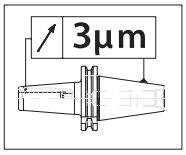
SHRINK FIT CHUCKS MAS BT40 AD/B

SCHRUMPFFUTTER MAS BT40 FORM AD/B | MANDRINI A CALETTAMENTO MAS BT40 TIPO AD/B
CONOS TERMICOS MAS BT40 FORMA AD/B | MANDRINS DE FRETTAGE MAS BT40 TYPE AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ MAS BT-40 ТИП AD/B | 热缩刀柄 MAS BT40 AD/B

JIS-B 6339 MAS 403 BT-AD/B - MAS BT



3° PROGRAMME

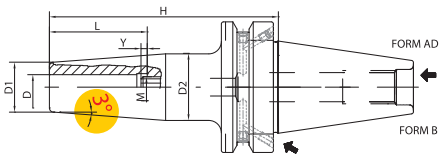


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
H90	251-21546	BT40H90K03-HTT	3	90	28	16	9	15	M6	2	●
	251-21547	BT40H90K04-HTT	4	90	28	12	10	16	M6	2	●
	251-21549	BT40H90K06-HTT	6	90	36	10	12	18	M5	2,5	●
	251-21550	BT40H90K08-HTT	8	90	36	10	14	20	M6	3	●
	251-21551	BT40H90K10-HTT	10	90	41	10	16	22	M8x1	3	●
	251-21552	BT40H90K12-HTT	12	90	47	10	18	24	M10x1	5	●
	251-21554	BT40H90K16-HTT	16	90	50	10	22	28	M12x1	5	●
	251-21556	BT40H90K20-HTT	20	90	52	10	26	32	M16x1	8	●

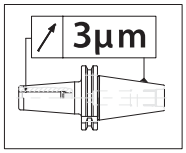
SHRINK FIT CHUCKS MAS BT40 AD/B

SCHRUMPFFUTTER MAS BT40 FORM AD/B | MANDRINI A CALETTAMENTO MAS BT40 TIPO AD/B
CONOS TERMICOS MAS BT40 FORMA AD/B | MANDRINS DE FRETTAGE MAS BT40 TYPE AD/B
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ MAS BT-40 ТИП AD/B | 热缩刀柄 MAS BT40 AD/B

JIS-B 6339 MAS 403 BT-AD/B - MAS BT



3° PROGRAMME



	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
H120	251-21557	BT40H120K03-HTT	3	120	12	-	9	16	-	-	●
	251-21558	BT40H120K04-HTT	4	120	16	-	10	17	-	-	●
	251-21560	BT40H120K06-HTT	6	120	36	10	12	21	M5	2,5	●
	251-21561	BT40H120K08-HTT	8	120	36	10	14	23	M6	3	●
	251-21562	BT40H120K10-HTT	10	120	41	10	16	25	M8x1	3	●
	251-21563	BT40H120K12-HTT	12	120	47	10	18	27	M10x1	5	●
	251-21565	BT40H120K16-HTT	16	120	50	10	22	31	M12x1	5	●
	251-21567	BT40H120K20-HTT	20	120	52	10	26	35	M16x1	8	●

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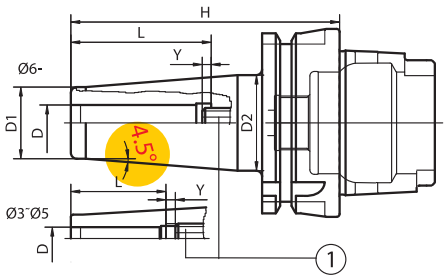
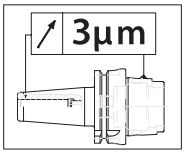
SHRINK FIT CHUCKS HSK 63 DIN69893 TYPE A

SCHRUMPFFUTTER HSK 63 DIN 69893 FORM A | MANDRINI A CALETTAMENTO HSK 63 DIN 69893 TIPO A
CONOS TERMICOS HSK63 DIN 69893 TIPO A | MANDRINS DE FRETTAGE TYPE HSK 63 DIN 69893 A
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 63 ПО DIN 69893 ТИП A | 热缩刀柄 HSK 63 DIN 69893 A 型

DIN 69893 - HSK 63A



4.5° PROGRAMME

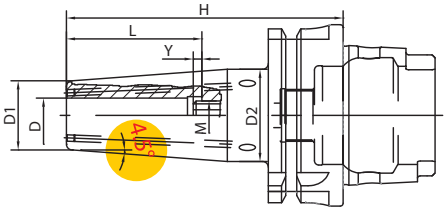


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	G2,5 25000
STANDARD	251-21725	HSK63AH80K03-HTT	3	80	14	10	10	15	●
	251-21726	HSK63AH80K04-HTT	4	80	18	10	15	22	●
	251-21727	HSK63AH80K05-HTT	5	80	22	10	15	22	●
	251-21728	HSK63AH80K06-HTT	6	80	36	10	21	27	●
	251-21729	HSK63AH80K08-HTT	8	80	36	10	21	27	●
	251-21730	HSK63AH85K10-HTT	10	85	42	10	24	32	●
	251-11710	HSK63AH90K12-HTT	12	90	47	10	24	32	●
	251-11712	HSK63AH95K16-HTT	16	95	50	10	27	34	●
	251-11714	HSK63AH100K20-HTT	20	100	52	10	33	42	●
	251-21731	HSK63AH115K25-HTT	25	115	58	10	44	53	●
	251-21782	HSK63AH120K32-HTT	32	120	62	10	44	53	●
H120	251-21732	HSK63AH120K03-HTT	3	120	22	10	10	20	●
	251-21733	HSK63AH120K04-HTT	4	120	26	10	15	22	●
	251-11725	HSK63AH120K06-HTT	6	120	36	10	21	27	●
	251-11726	HSK63AH120K08-HTT	8	120	36	10	21	27	●
	251-11727	HSK63AH120K10-HTT	10	120	41	10	24	32	●
	251-11728	HSK63AH120K12-HTT	12	120	47	10	24	32	●
	251-11730	HSK63AH120K16-HTT	16	120	50	10	27	34	●
	251-21783	HSK63AH120K18-HTT	18	120	50	10	33	42	●
	251-21784	HSK63AH120K20-HTT	20	120	52	10	33	42	●
H160	251-21786	HSK63AH160K03-HTT	3	160	22	10	10	20	●
	251-21787	HSK63AH160K04-HTT	4	160	26	10	15	22	●
	251-21788	HSK63AH160K05-HTT	5	160	30	10	15	22	●
	251-21789	HSK63AH160K06-HTT	6	160	36	10	21	27	●
	251-21790	HSK63AH160K08-HTT	8	160	36	10	21	27	●
	251-21791	HSK63AH160K10-HTT	10	160	41	10	24	32	●
	251-21792	HSK63AH160K12-HTT	12	160	47	10	24	32	●
	251-21794	HSK63AH160K16-HTT	16	160	50	10	27	34	●
	251-21796	HSK63AH160K20-HTT	20	160	52	10	33	42	●
	251-21797	HSK63AH160K25-HTT	25	160	62	10	44	53	●
	251-21798	HSK63AH160K32-HTT	32	160	62	10	44	53	●

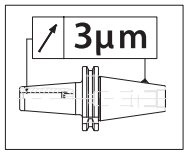
SHRINK FIT CHUCKS HSK 63 DIN69893 TYPE A

SCHRUMPFFUTTER HSK 63 DIN 69893 FORM A | MANDRINI A CALETTAMENTO HSK 63 DIN 69893 TIPO A
CONOS TERMICOS HSK63 DIN 69893 TIPO A | MANDRINS DE FRETTAGE TYPE HSK 63 DIN 69893 A
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 63 ПО DIN 69893 ТИП А | 热缩刀柄 HSK 63 DIN 69893 A 型

DIN 69893A



	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
STANDARD	251-31760	HSK63AH80K03-HTT-L	3	80	28	16	10	15	M6	2	•
	251-31761	HSK63AH80K04-HTT-L	4	80	28	12	15	22	M6	2	•
	251-31763	HSK63AH80K06-HTT-L	6	80	36	10	21	27	M5	2,5	•
	251-31764	HSK63AH80K08-HTT-L	8	80	36	10	21	27	M6	3	•
	251-31765	HSK63AH85K10-HTT-L	10	85	41	10	24	32	M8x1	3	•
	251-31766	HSK63AH90K12-HTT-L	12	90	47	10	24	32	M10x1	5	•
	251-31767	HSK63AH90K14-HTT-L	14	90	47	10	27	34	M10x1	5	•
	251-31768	HSK63AH95K16-HTT-L	16	95	50	10	27	34	M12x1_KKB	5	•
	251-31770	HSK63AH100K20-HTT-L	20	100	52	10	33	42	M16x1_KKB	5	•

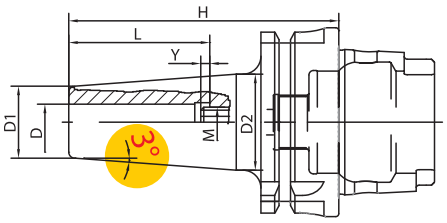


4,5° PROGRAMME WITH RESEALABLE COOLANT DUCT HOLES
4,5° CON PASSAGGIO REFRIGERANTE MEDIANTE CANALI ESTERNI RICHIUDIBILI

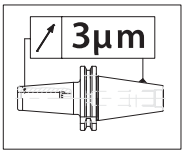
SHRINK FIT CHUCKS HSK 63 DIN69893 TYPE A

SCHRUMPFFUTTER HSK 63 DIN 69893 FORM A | MANDRINI A CALETTAMENTO HSK 63 DIN 69893 TIPO A
CONOS TERMICOS HSK63 DIN 69893 TIPO A | MANDRINS DE FRETTAGE TYPE HSK 63 DIN 69893 A
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 63 ПО DIN 69893 ТИП А | 热缩刀柄 HSK 63 DIN 69893 A 型

DIN 69893A - HSK63



3° PROGRAMME

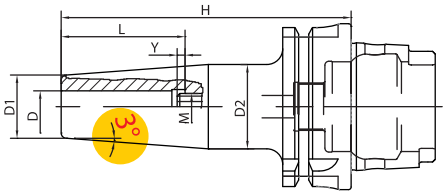


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
STANDARD	251-31711	HSK63AH80K03-HTT	3	80	28	16	9	14	M6	2	•
	251-31712	HSK63AH80K04-HTT	4	80	28	12	10	15	M6	2	•
	251-31714	HSK63AH80K06-HTT	6	80	36	10	12	17	M5	2,5	•
	251-31715	HSK63AH80K08-HTT	8	80	36	10	14	19	M6	3	•
	251-31716	HSK63AH85K10-HTT	10	85	41	10	16	21	M8x1	3	•
	251-31717	HSK63AH90K12-HTT	12	90	47	10	18	24	M10x1	5	•
	251-31719	HSK63AH95K16-HTT	16	95	50	10	22	28	M12x1	5	•
	251-31721	HSK63AH100K20-HTT	20	100	52	10	26	32	M16x1	8	•

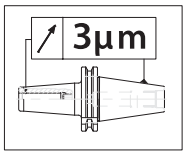
SHRINK FIT CHUCKS HSK 63 DIN69893 TYPE A

SCHRUMPFFUTTER HSK 63 DIN 69893 FORM A | MANDRINI A CALETTAMENTO HSK 63 DIN 69893 TIPO A
CONOS TERMICOS HSK63 DIN 69893 TIPO A | MANDRINS DE FRETTAGE TYPE HSK 63 DIN 69893 A
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 63 ПО DIN 69893 ТИП А | 热缩刀柄 HSK 63 DIN 69893 A 型

DIN 69893A - HSK63



3° PROGRAMME



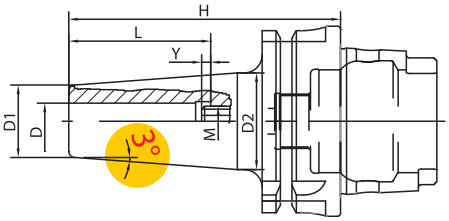
	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
H120	251-31722	HSK63AH120K03-HTT	3	120	12	-	9	16	-	-	●
	251-31723	HSK63AH120K04-HTT	4	120	16	-	10	17	-	-	●
	251-31725	HSK63AH120K06-HTT	6	120	36	10	12	21	M5	2,5	●
	251-31726	HSK63AH120K08-HTT	8	120	36	10	14	23	M6	3	●
	251-31727	HSK63AH120K10-HTT	10	120	41	10	16	25	M8x1	3	●
	251-31728	HSK63AH120K12-HTT	12	120	47	10	18	27	M10x1	5	●
	251-31730	HSK63AH120K16-HTT	16	120	50	10	22	31	M12x1	5	●
	251-31732	HSK63AH120K20-HTT	20	120	52	10	26	35	M16x1	8	●
H160	251-31733	HSK63AH160K03-HTT	3	160	12	-	9	19	-	-	●
	251-31734	HSK63AH160K04-HTT	4	160	16	-	10	20	-	-	●
	251-31736	HSK63AH160K06-HTT	6	160	36	10	12	24	M5	2,5	●
	251-31737	HSK63AH160K08-HTT	8	160	36	10	14	26	M6	3	●
	251-31738	HSK63AH160K10-HTT	10	160	41	10	16	28	M8x1	3	●
	251-31739	HSK63AH160K12-HTT	12	160	47	10	18	30	M10x1	5	●
	251-31740	HSK63AH160K14-HTT	14	160	47	10	20	32	M10x1	5	●
	251-31741	HSK63AH160K16-HTT	16	160	50	10	22	34	M12x1	5	●
	251-31742	HSK63AH160K18-HTT	18	160	50	10	24	36	M12x1	5	●
	251-31743	HSK63AH160K20-HTT	20	160	52	10	26	38	M16x1	8	●

08

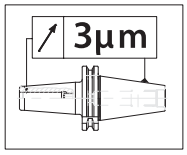
SHRINK FIT CHUCKS HSK 100 DIN69893 TYPE

SCHRUMPFFUTTER HSK 100 DIN 69893 FORM A | MANDRINI A CALETTAMENTO HSK 100 DIN 69893 TIPO A
CONOS TERMICOS HSK100 DIN 69893 TIPO A | MANDRINS DE FRETTAGE TYPE HSK 100 DIN 69893 A
АТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 100 ПО DIN 69893 ТИП А | 热缩刀柄 HSK 100 DIN 69893 A 型

DIN 69893 - HSK100



3° PROGRAMME

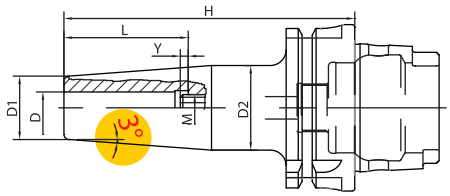


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
STANDARD	251-31744	HSK100AH85K06-HTT	6	85	36	10	12	17	M5	2,5	●
	251-31745	HSK100AH85K08-HTT	8	85	36	10	14	19	M6	3	●
	251-31746	HSK100AH90K10-HTT	10	90	41	10	16	21	M8x1	3	●
	251-31747	HSK100AH95K12-HTT	12	95	47	10	18	24	M10x1	5	●
	251-31748	HSK100AH95K14-HTT	14	95	47	10	20	26	M10x1	5	●
	251-31749	HSK100AH100K16-HTT	16	100	50	10	22	28	M12x1	5	●
	251-31750	HSK100AH100K18-HTT	18	100	50	10	24	30	M12x1	5	●
	251-31751	HSK100AH105K20-HTT	20	105	52	10	27	34	M16x1	8	●

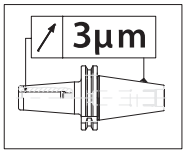
SHRINK FIT CHUCKS HSK 100 DIN69893 TYPE

SCHRUMPFFUTTER HSK 100 DIN 69893 FORM A | MANDRINI A CALETTAMENTO HSK 100 DIN 69893 TIPO A
CONOS TERMICOS HSK100 DIN 69893 TIPO A | MANDRINS DE FRETTAGE TYPE HSK 100 DIN 69893 A
АТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 100 ПО DIN 69893 ТИП A | 热缩刀柄 HSK 100 DIN 69893 A 型

DIN 69893 - HSK100



3° PROGRAMME

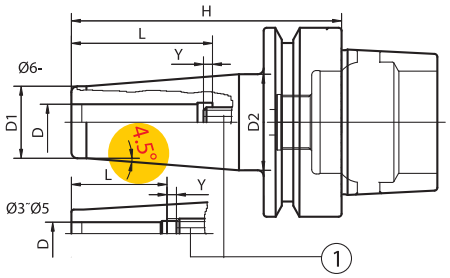


	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	M	SW	G2,5 25000
H120	251-31752	HSK100AH120K06-HTT	6	120	36	10	12	20	M5	2,5	●
	251-31753	HSK100AH120K08-HTT	8	120	36	10	14	22	M6	3	●
	251-31754	HSK100AH120K10-HTT	10	120	41	10	16	24	M8x1	3	●
	251-31755	HSK100AH120K12-HTT	12	120	47	10	18	26	M10x1	5	●
	251-31756	HSK100AH120K14-HTT	14	120	47	10	20	28	M10x1	5	●
	251-31757	HSK100AH120K16-HTT	16	120	50	10	22	30	M12x1	5	●
	251-31758	HSK100AH120K18-HTT	18	120	50	10	24	32	M12x1	5	●
	251-31759	HSK100AH120K20-HTT	20	120	52	10	27	35	M16x1	8	●

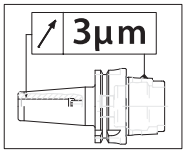
SHRINK FIT CHUCKS HSK 63 DIN69893 TYPE E

SCHRUMPFFUTTER HSK 63 DIN 69893 FORM E | MANDRINI A CALETTAMENTO HSK 63 DIN 69893 TIPO E
CONOS TERMICOS HSK63 DIN 69893 TIPO E | MANDRINS DE FRETTAGE TYPE HSK 63 DIN 69893 E
ТЕРМОЗАЖИМНЫЕ ПАТРОНЫ HSK 63 ПО DIN 69893 ТИП E | 热缩刀柄 HSK 63 DIN 69893 E 型

DIN 69893 - HSK 63E



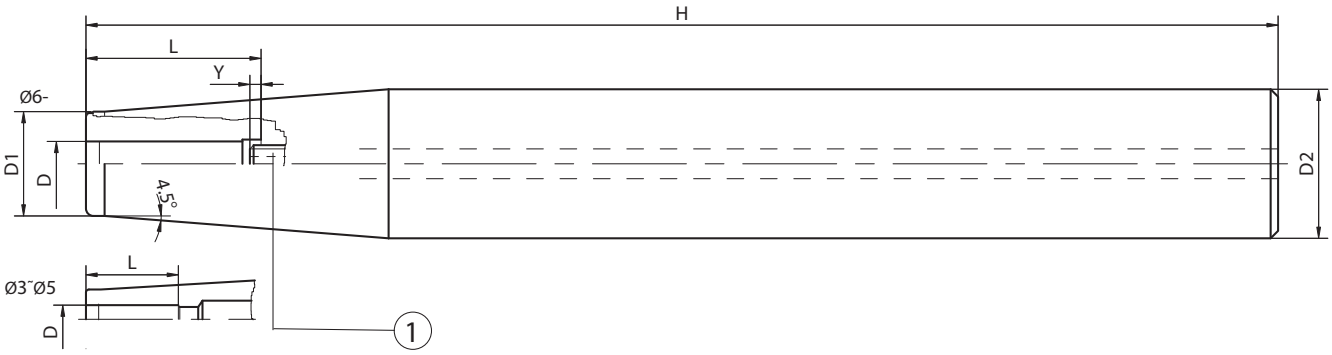
4.5° PROGRAMME



	CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2	G2,5 25000
STANDARD	251-27333	HSK63EH80K03-HTT	3	80	22	10	10	15	●
	251-27334	HSK63EH80K04-HTT	4	80	26	10	15	22	●
	251-27335	HSK63EH80K05-HTT	5	80	30	10	15	22	●
	251-27336	HSK63EH80K06-HTT	6	80	36	10	21	27	●
	251-27337	HSK63EH80K08-HTT	8	80	36	10	21	27	●
	251-27338	HSK63EH85K10-HTT	10	85	41	10	24	32	●
	251-17310	HSK63EH90K12-HTT	12	90	47	10	24	32	●
	251-17312	HSK63EH95K16-HTT	16	95	50	10	27	34	●
	251-17314	HSK63EH100K20-HTT	20	100	52	10	33	42	●

SHRINKING EXTENSIONS

SCHRUMPFVERLÄNGERUNGEN PROLUNGHE PER CALETTAMENTO
EXTENSIONES PARA CONOS TERMICOS RALLONGES DE FRETTAGE
ТЕРМОЗАЖИМНЫЕ УДЛИНИТЕЛИ 热缩延长杆



CODE N.	DESCRIPTION	D	H	L	Y max	D1	D2
251-15110	D12H150K03-HTT	3	150	-	-	8	12
251-15111	D12H150K04-HTT	4	150	-	-	8	12
251-15133	D12H150K05-HTT	5	150	-	-	10	12
251-15134	D12H150K06-HTT	6	150	36	10	10	12
251-15112	D16H150K03-HTT	3	150	-	-	10	16
251-15113	D16H150K04-HTT	4	150	-	-	10	16
251-15114	D16H150K05-HTT	5	150	-	-	10	16
251-15115	D16H150K06-HTT	6	150	36	10	10	16
251-15139	D16H150K08-HTT	8	150	36	10	12	16
251-15140	D20H150K03-HTT	3	150	-	-	10	20
251-15141	D20H150K04-HTT	4	150	-	-	10	20
251-15117	D20H150K06-HTT	6	150	36	10	10	20
251-15118	D20H150K08-HTT	8	150	36	10	12	20
251-15145	D20H150K10-HTT	10	150	42	10	14	20
251-15146	D20H150K12-HTT	12	150	47	10	16	20
251-15147	D25H150K03-HTT	3	150	-	-	10	25
251-15148	D25H150K04-HTT	4	150	-	-	10	25
251-15149	D25H150K05-HTT	5	150	-	-	15	25
251-15150	D25H150K06-HTT	6	150	36	10	20	25
251-15119	D25H150K08-HTT	8	150	36	10	20	25
251-15120	D25H150K10-HTT	10	150	42	10	20	25
251-15121	D25H150K12-HTT	12	150	47	10	20	25
251-15122	D25H150K14-HTT	14	150	47	10	20	25
251-15123	D25H150K16-HTT	16	150	50	10	22	25

KINTEK®
COMPONENTI INNOVATIVI TECNOMECCANICI

KINTEK®

KINTEK **MRS** **PRECISION VICES**

KINTEK **MRS** **MORSE DI PRECISIONE**

KINTEK **MRS** **PRÄZISIONSSCHRAUBSTÖCKE**

KINTEK **MRS** **MORDAZAS DE PRECISION**

KINTEK **MRS** **ETAUX DE PRECISION**

KINTEK **MRS** **ПРЕЦИЗИОННЫЕ ТИСКИ**

KINTEK **MRS** **精密虎钳**

- The main feature of **KINTEK MRS** Vice is modularity, due the high interchangeability of all components.
  This allows to obtain in a very short time a perfect positioning and alignment in case of using more than one vice on the same machine.
  The **MRS** vice is therefore versatile and suitable for an unlimited range of applications, thanks to the wide choice of spare parts and accessories (jaws and parallels).
  The precision of the **KINTEK MRS** vice is guaranteed by:
- **LONG-TERM USE**: built with long-lasting materials (special steel alloys, normalized, case-hardened and tempered), the MRS vice does not suffer wear over time and for this reason a 5 YEAR WARRANTY is guaranteed.
- **FAST CLAMPING**: by simply sliding the clamping till the workpiece, a rapid closure is obtained by acting on the clamping screw.
- **SOLIDITY AND RELIABILITY**: both jaws are built in a single body (monolithic) and carry out a pulldown traction. This implies a precise and safe clamping since a push is exerted on the piece by dragging towards the base of the vice itself.

- La morsa **KINTEK MRS** si contraddistingue per la sua modularità, grazie alla presenza di elementi componibili e interscambiabili, i quali consentono di ottenere in tempi brevissimi un posizionamento ed un allineamento perfetto in caso di utilizzo di più morse sulla stessa macchina.
  La morsa **MRS** è quindi versatile e adatta per una illimitata gamma di applicazioni, grazie alla vasta scelta di ricambi e accessori (ganasce e parallele).
  La precisione della morsa **KINTEK MRS** è garantita da alcune sue caratteristiche principali:
- **UTILIZZO A LUNGO TERMINE**: costruita con materiali a lunga resistenza (speciali leghe di acciaio normalizzato, cementato e temprato), la morsa MRS non subisce usura nel tempo e per questo viene assicurata una GARANZIA DI 5 ANNI.
- **CHIUSURA VELOCE**: con il semplice scorrimento del gruppo di serraggio fino alla nicchia più vicina al pezzo da lavorare, si ottiene una chiusura rapida agendo sulla vite di serraggio.
- **SOLIDITA' E AFFIDABILITÀ**: entrambe le ganasce sono costruite in un corpo unico (monolitico) ed effettuano una trazione verso il basso. Questo comporta un serraggio preciso e sicuro poiché viene esercitata sul pezzo una spinta per trascinamento verso la base della morsa stessa.

- Das Hauptmerkmal von dem **KINTEK MRS** Schraubstock die Modularität aufgrund der hohen Austauschbarkeit aller Komponenten.
  Das ermöglicht eine sehr perfekte Positionierung und Ausrichtung in kurzer Zeit, wenn mehr als ein Schraubstock an derselben Maschine verwendet wird.
  Der **MRS-SCHRAUBSTOCK** ist daher vielseitig und dank der großen Auswahl an Ersatzteilen und Zubehör (Backen und Parallelen) für ein unbegrenztes Anwendungsspektrum geeignet.
  Die Präzision des **KINTEK MRS-SCHRAUBSTOCKS** wird garantiert durch:
- **LANGZEITANWENDUNG**: Der MRS-Schraubstock besteht aus langlebigen Materialen (Spezialstahllegierungen, normalisiert, einsatzgehärtet und angelassen) und ist im Laufe der Zeit keinem Verschleiß ausgesetzt. Aus diesem Grund wird eine 5-JAHRES-GARANTIE garantiert.
- **SCHNELLE SPANNUNG**: Durch einfaches Schieben der Klemmung bis zum Werkstück wird durch Einwirken auf die Klemmschraube ein schneller Verschluss erzielt.
- **FESTIGKEIT UND ZUVERLÄSSIGKEIT**: Beide Backen sind in einem einzigen Körper (monolithisch) aufgebaut und führen eine Traktion nach unten durch. Dies impliziert eine präzise und sichere Klemmung, da ein Druck auf das Stück ausgeübt wird, indem es zur Basis des Schraubstocks selbst gezogen wird.

- La mordaza **KINTEK MRS** se caracteriza por su modularidad, debida a la intercambiabilidad de todos sus elementos.
  Esos permiten conseguir con rapidez un posicionamiento y una alienación perfectos en caso de uso de más mordazas sobre la misma máquina.
  Por lo tanto, la mordaza **MRS** es versátil y apta para una ilimitada gama de aplicaciones, gracias a la variedad de las piezas de repuesto y de los accesorios (bocas y paralelas).
  La precisión de la mordaza **KINTEK MRS** está garantizada por:
- **USO A LARGO PLAZO**: construida con materiales de gran resistencia (especiales aleaciones de acero normalizado, cementado y templado), la mordaza MRS no sufre de desgaste con el tiempo y por eso aseguramos una GARANTIA DE 5 AÑOS.
- **APRIETE RAPIDO**: con el solo desplazamiento del grupo de apriete hasta el nicho más cerca de la pieza de trabajo, se obtiene un apriete rápido actuando sobre el tornillo de apriete.
- **SOLIDEZ Y FIABILIDAD**: ambas las bocas están construidas en un solo cuerpo (monolítico) y realizan una tracción hacia abajo. Eso implica un apriete preciso y seguro, puesto que se ejerce sobre la pieza un impulso por arrastre hacia la base de la mordaza misma.

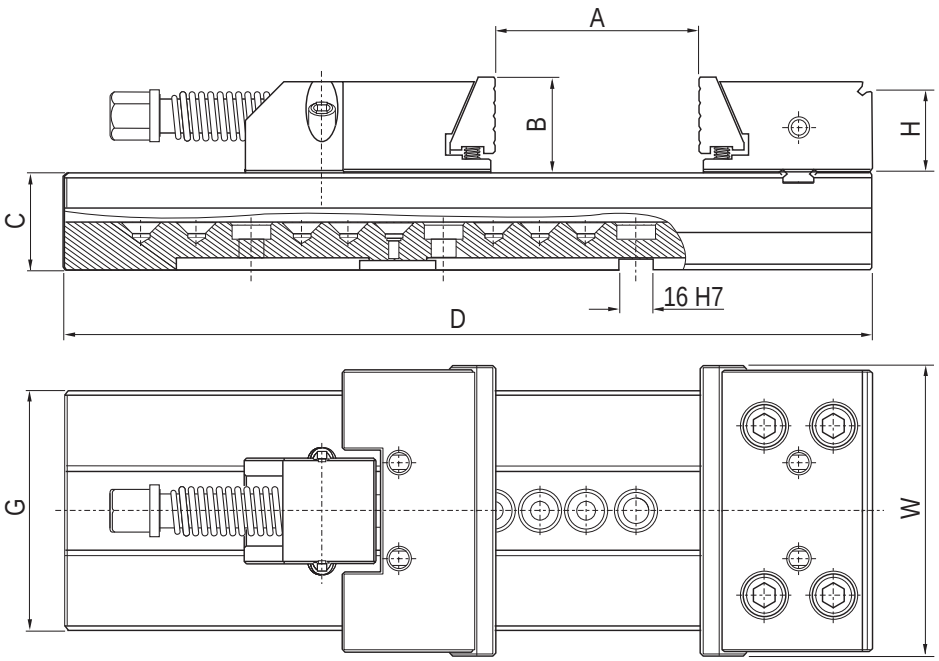
- La principale caractéristique de l'étau **KINTEK MRS** est la modularité, en raison de la grande interchangeabilité de tous les composants.
  Ceci permet d'obtenir rapidement un positionnement et un alignement parfaits en cas d'utilisation de plus d'un étau sur la même machine.
  L'étau **MRS** est donc polyvalent et adapté à une gamme illimitée d'applications, grâce au large choix de pièces de rechange et d'accessoires (mâchoires et parallèles).
  La précision de l'étau **KINTEK MRS** est garantie par:
- **UTILISATION À LONG TERME**: construit avec des matériaux durables (alliages d'acier spéciaux, normalisés, cémentés et revenus), l'étau MRS ne subit pas d'usure dans le temps et pour cette raison, une GARANTIE 5 ANS est garantie.
- **FIXATION RAPIDE**: en glissant simplement le serrage jusqu'à la pièce, une fermeture rapide est obtenue en agissant sur la vis de serrage.
- **SOLIDITÉ ET FIABILITÉ**: les deux mors sont construits dans un seul corps (monolithique) et effectuent une traction vers le bas. Ceci implique un serrage précis et sûr puisqu'une poussée est exercée sur la pièce en tirant vers la base de l'étau lui-même.

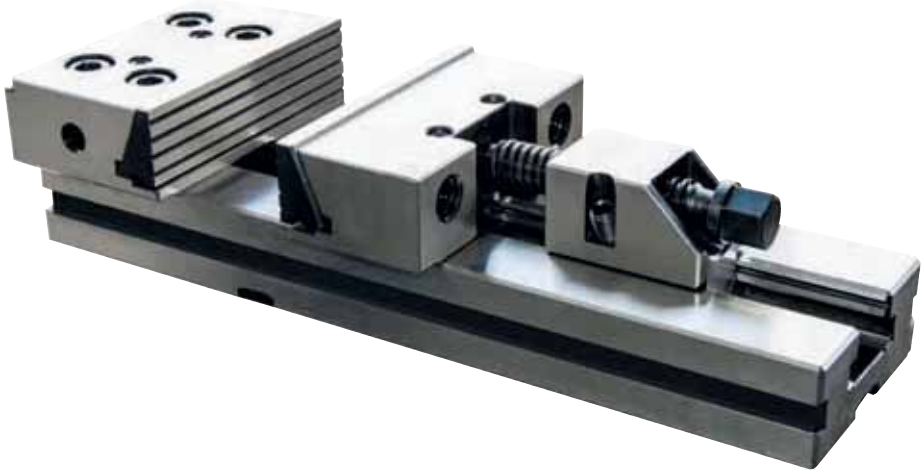
- Главные особенности тисков **KINTEK MRS** являются высочайшая точность, модульность и универсальная взаимозаменяемость всех компонентов. Это позволяет за кратчайшее время получить идеальное позиционирование и центровку в случае использования нескольких тисков на одном станке. Таким образом, тиски **MRS** универсальны и подходят для неограниченных применений благодаря широкому выбору запасных частей и аксессуаров (губки и параллельные пластинки).
  Точность тисков **KINTEK MRS** гарантируется:
- **ДОЛГОСРОЧНЫМ ИСПОЛЬЗОВАНИЕМ**: тиски MRS изготовлены из специальных материалов (закаленная нормализированная сталь и цементирование), гарантируют высокую прочность, твердость и отсутствие износа, по этой причине предоставляется 5-ЛЕТНЯЯ ГАРАНТИЯ.
- **БЫСТРОТОЙ ЗАЖИМА**: благодаря скольжению группы зажима до заготовки, можно быстро закрыть зажимным винтом.
- **ПРОЧНОСТЬЮ И НАДЕЖНОСТЬЮ**: обе губки произведены из цельного материала (монолитного) и осуществляют тягу вниз. Это гарантирует точный и безопасный зажим благодаря перемещению детали к основе самих тисков.

- 模块化是**KINTEK MRS** 虎钳的主要特征，所有元器件具有极高的可互换性。如果在同一台机床上使用不止一把虎钳，KINTEK虎钳保证能在短时间内获得完美的定位和对齐。由于备件和配件（卡爪和平行板）选择余地很大，所以**MRS**虎钳是万能的，应用范围极广。
  KINTEK MRS虎钳的精度由以下保障：
- 经久耐用：耐久性材料（特殊的钢合金，标注化，坚固的壳体和回火处理）构造，**MRS**虎钳经久耐用，提供5年的质保期。
- 快速夹紧：简单滑动钳位到工件上，操作夹紧螺丝便可快速闭合。
- 固体性和可靠性：一对卡爪内置于独立的本体中（成一个整体），进行下拉牵引。朝着虎钳基座用力拖拉，对工件施加了一个推力，确保夹持的精确和安全。

MODULAR PRECISION MRS VICE WITH SOLID GUIDED MOVABLE JAWS

MRS PRÄZISIONSMODULARSCHRAUBSTOCK MIT GEFÜHRTER EINTEILIGER BEWEGLICHER BACKE
MORDAZA MODULAR DE PRECISIÓN MRS CON BOCA MÓVIL MONOBLOQUE GUIADA
ПРЕЦИЗИОННЫЕ МОДУЛЬНЫЕ ТИСКИ MRS С ТВЕРДЫМИ ПОДВИЖНЫМИ ГУБКАМИ
MORSA MODULARE DI PRECISIONE MRS CON GANASCIA MOBILE MONOBLOCCO GUIDATA
ETAU MODULAIRE DE PRÉCISION MRS AVEC MORS MOBILE MONOBLOC GUIDÉ
带有固体导向可移动卡爪的模块化高精MRS虎钳

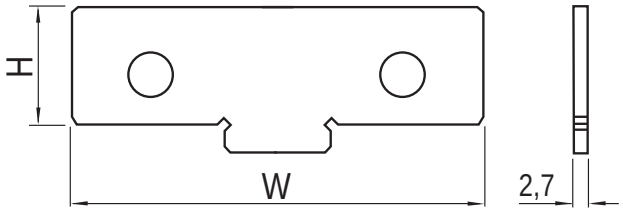




CODE N.	W	A	B	C	D	G	kN	kg
MRS2-125x150	125	150	40	40	345	95	25	13
MRS3-150x200	150	200	50	50	420	125	30	26
MRS3-150x300	150	300	50	50	520	125	30	30
MRS4-175x300	175	300	60	58	555	145	30	42
MRS4-175x400	175	400	60	58	655	145	30	47
MRS5-200x300	200	300	65	70	595	170	40	70
MRS5-200x400	200	400	65	70	695	170	40	75

PAIR OF FLAT MAGNETIC PARALLEL PLATES

PAAR FLACHE MAGNETISCHE PARALLELPLATTEN
PAR DE PLACAS PARALELAS MAGNÉTICAS LLANAS
ПАРАЛЛЕЛЬНЫЕ МАГНИТНЫЕ ПЛАСТИНЫ
COPPIA DI PIASTRE PARALLELE MAGNETICHE PIANE
PAIRE DE PLAQUES PARALLÈLES MAGNÉTIQUES PLATES
对扁平的磁性平行板



CODE N.	W	H
PRLL 125-15	125	15
PRLL 125-20	125	20
PRLL 125-25	125	25
PRLL 125-28	125	28
PRLL 125-30	125	30
PRLL 125-33	125	33
PRLL 125-35	125	35
PRLL 125-37	125	37

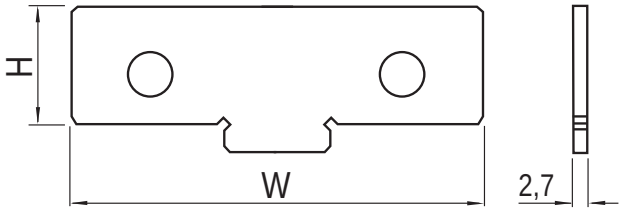
CODE N.	W	H
PRLL 150-15	150	15
PRLL 150-20	150	20
PRLL 150-25	150	25
PRLL 150-30	150	30
PRLL 150-35	150	35
PRLL 150-40	150	40
PRLL 150-43	150	43
PRLL 150-45	150	45
PRLL 150-47	150	47

CODE N.	W	H
PRLL 175-20	175	20
PRLL 175-25	175	25
PRLL 175-30	175	30
PRLL 175-35	175	35
PRLL 175-40	175	40
PRLL 175-45	175	45
PRLL 175-50	175	50
PRLL 175-53	175	53
PRLL 175-55	175	55
PRLL 175-57	175	57

CODE N.	W	H
PRLL 200-20	200	20
PRLL 200-25	200	25
PRLL 200-30	200	30
PRLL 200-35	200	35
PRLL 200-40	200	40
PRLL 200-45	200	45
PRLL 200-50	200	50
PRLL 200-53	200	53
PRLL 200-57	200	57
PRLL 200-60	200	60

PLATE SET (SIX PAIRS)

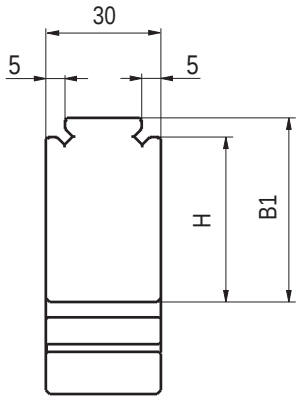
PARALLELPLATTENSET (SECHS PAARE) SET PARALLELE (SEI COPPIE)
SET PARALELAS (SEIS PAREJAS) SET DE PLAQUE PARALLÈLES (SIX PAIRES)
НАБОР ПАРАЛЛЕЛЕЙ (ШЕСТЬ ПАР) 平行板套装（六对）



CODE N.	H
SET PILL-125	15-20-25-30-35-37
SET PILL-150	25-30-35-40-45-47
SET PILL-175	35-40-45-50-55-57
SET PILL-200	35-40-45-50-57-60

MOVABLE INTERMEDIATE JAW WITH STEP

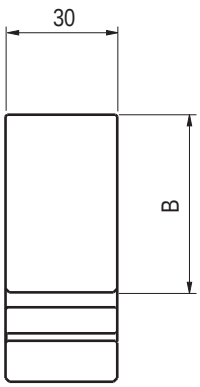
BEWEGLICHE ZWISCHENBACKE MIT STUFE GANASCIA MOBILE INTERMEDIA CON GRADINO
BOCA MÓVIL INTERMEDIA CON ESCALÓN MORS INTERMÉDIAIRE MOBILE AVEC ÉTAPE
СЕРЕДИННАЯ ПОДВИЖНАЯ ГУБКА СО СТУПЕНЬКОЙ 可移动的过渡卡爪



CODE N.	W	H	B
GMI 125-33G	121	33	38
GMI 150-43G	146	43	48
GMI 175-53G	171	53	58
GMI 200-53G	196	53	63

MOVABLE INTERMEDIATE JAW

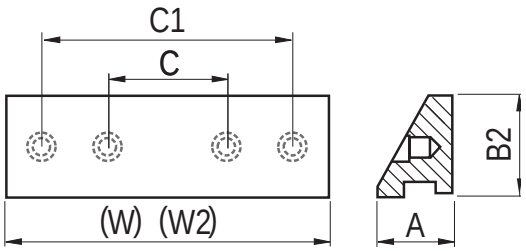
BEWEGLICHE ZWISCHENBACKE GANASCIA MOBILE INTERMEDIA
BOCA MÓVIL INTERMEDIA MORS INTERMÉDIAIRE MOBILE
СЕРЕДИННАЯ ПОДВИЖНАЯ ГУБКА 可移动中间卡爪

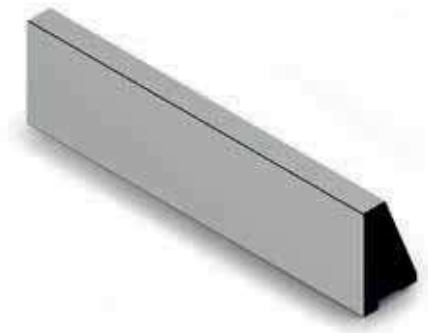


CODE N.	W	B
GMI 125-40	121	40
GMI 150-40	146	50
GMI 175-50	171	60
GMI 200-60	196	65

MACHINABLE STEEL PLATE (FOR FIXED AND MOVABLE JAW)

BEARBEITBARE STAHLPLATTE (FÜR FESTE UND BEWEGLICHE BACKE)
PLACA EN ACERO MECANIZABLE (PARA BOCA FIJA Y MÓVIL)
ПЛАСТИНА ИЗ МЯГКОЙ НЕЗАКАЛЕННОЙ СТАЛИ (ДЛЯ ФИКСИРОВАННОЙ И ПОДВИЖНОЙ ГУБКИ)
PIASTRA IN ACCIAIO LAVORABILE (PER GANASCIA FISSA E MOBILE)
PLAQUE D'ACIER USINABLE (POUR MORS MOBILE ET FIXE)
可加工钢板（适用于固定的和可移动的卡爪）

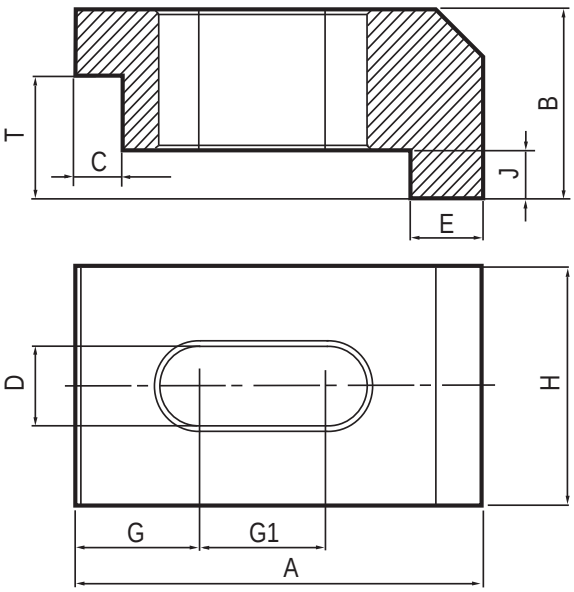




CODE N.	W	B2	A	C	C1
PAL 125-32	125	32	20	32	80
PAL 150-39	150	39	24	50	90
PAL 175-43	175	43	24	50	116
PAL 200-53	200	53	29	76	138

CLAMPING BRACKET FOR VICES

KLEMMELEMENTE FÜR SCHRAUBSTÖCKE
SOPORTE DE APRIETE PARA MORDAZAS
КРОНШТЕЙН ДЛЯ ТИСКОВ
STAFFA DI ANCORAGGIO PER MORSE
SUPPORT DE SERRAGE POUR ÉTAUX
虎钳的夹紧支架



CODE N.	TIPO MORSA	A	B	C	D	E	G-G1	H	J	T±0,1
STF2 M10	2	50	24	6	11	10	16-15	34	4	15
STF2 M12	2	50	24	6	13	10	17,5-13	34	4	15
STF2 M16	2	50	24	6	17	10	19-9	34	4	15
STF3/4 M12	3-4	76	30	6	13	13	17-22	42	10	20
STF3/4 M16	3-4	76	30	6	17	13	16-15	42	10	20
STF5 M12	5	86	40	10	13	15	26-27	50	10	26
STF5 M16	5	86	40	10	17	15	26-27	50	10	26

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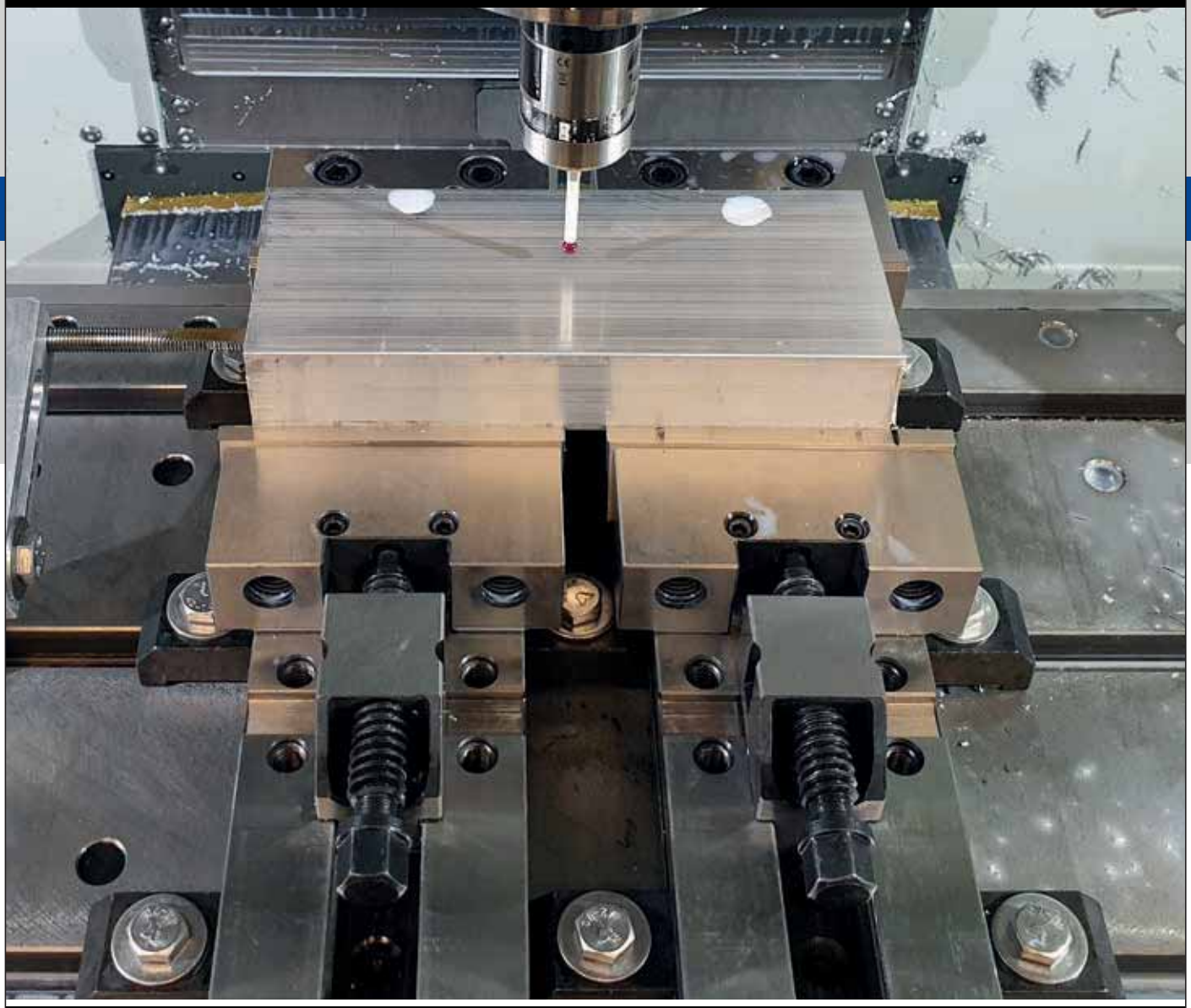
MORSA - VICE
MRS

Il Corretto utilizzo / The Proper use



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Corretto utilizzo della morsa MRS / MRS vice proper use

Verificare che i piani di appoggio della morsa non presentino trucioli di precedenti lavorazioni.
Verificare che il pezzo da serrare non abbia forme irregolari per evitare lo scivolamento laterale dello stesso in fase di lavorazione. Effettuare l'azzeramento della morsa, quindi procedere nelle lavorazioni richieste. Il serraggio di particolari oltre la linea di mezzeria della morsa MRS puo' ridurre la precisione della stessa.

Check that the surfaces for vices positioning are free of swarfs of previous machining. Check that the piece to be clamped is free of flashes and irregular shapes, in order to avoid any lateral slipping during the machining process. Proceed with the zero setting of the vice and then with the required machining. The clamping of parts beyond the central axis line of the vice can reduce its precision.

1

Assicurarsi che la morsa sia correttamente posizionata e ancorata alla tavola della macchina e che la ganascia fissa sia correttamente fissata

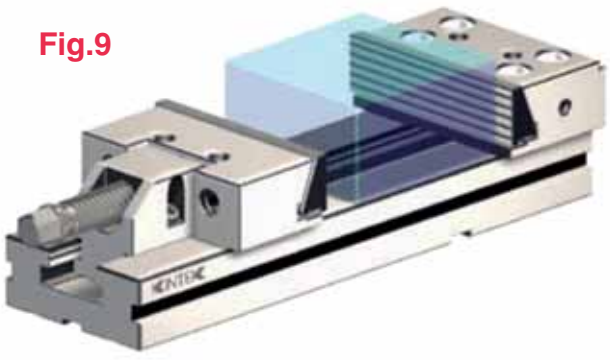
Make sure that the vice is correctly positioned and fixed to the machine table and that the fixed jaw is well fastened.

2

Posizionare la ganascia mobile allentando i due grani per consentire il sollevamento della sfera calibrata e quindi lo spostamento di tutto il gruppo di serraggio in una posizione piu' idonea sullo slittone di base,lasciando circa 5mm di aria rispetto al pezzo da serrare.

Position the movable jaw after loosening the two screws, to allow the calibrated ball lifting and the whole clamping device repositioning into a more suitable position on the base and leaving a 5mm air gap from the piece to be clamped.

Fig.9



3

Nello stringere i due grani mediante la chiave (agendo in senso orario) assicurarsi che la sfera di posizionamento, sia correttamente posizionata in una sede sferica. Fare attanzione che tale sfera non venga posizionata in una incassatura delle viti di ancoraggio.

While fastening the two screws with wrench, please make sure that the ballis correctly positioned into a spherical seat. Pay attention that the ball will not be placed into the hollow of a fastening screw.

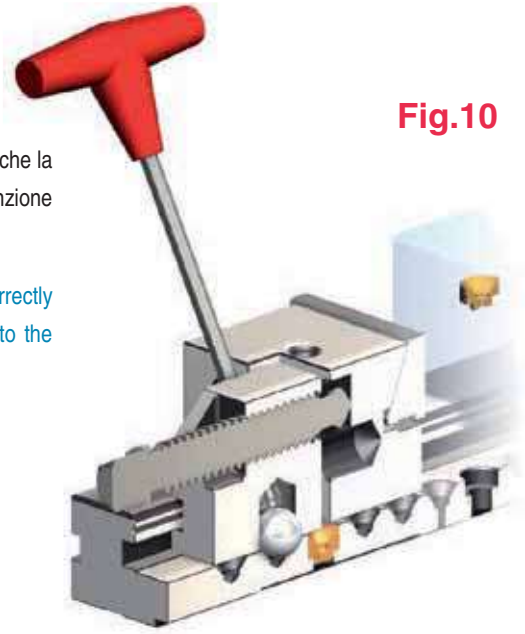


Fig.10

4

Posizionare il pezzo da serrare sullo slittone e tenerlo contro la ganascia fissa. Per un corretto posizionamento del pezzo ci si puo' avvalere dei riferimenti laterali.

Position the piece to be clamped pn the vice base and keep it against the fixed jaw. In order to obtain a correct positioning, you may use the designated side reference points.

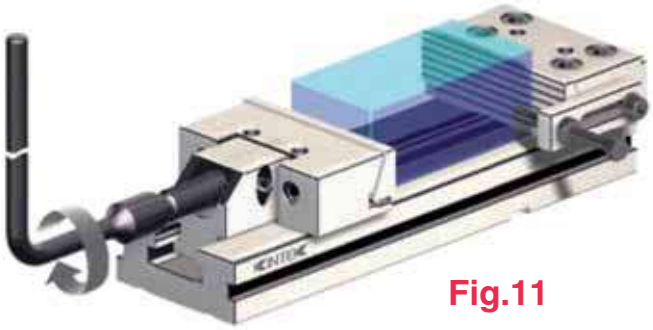


Fig.11

5

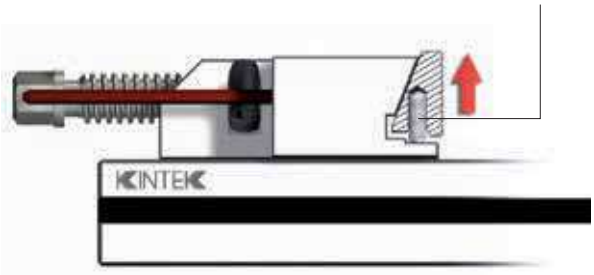
Serrare il pezzo agendo in senso orario sulla vite di spinta
mediante la chiave in dotazione o mediante chiave dinamometrica.
Clamp the piece by screwing clockwise the specific by means of the special torque wrench.

Utilizzo dell'opzione "effetto discendente" / "pull down" action option

2

Per le morse MRS , volendo avvalersi dell'opzione piastre ganasce discendenti, allentare di di giro le viti per permettere alle piastre ganasce discendenti di scorrere dall'alto verso il basso, ottenendo cosi' un serraggio del pezzo verso la base della morsa. Allentando le viti di di giro si ha un sollevamento della piastra della ganascia grazie alla spinta della molla.

For MRS vices , if option "pull down" jaw plates is required, loosen the screw on quarter turn to allow the "pull down" jaw plates to glide from top to the bottom, thus obtaining the fastening of the piece towards the vice base. By loosening the screws one quarter turn the jaw plate will lift up thanks to the push of the spring.



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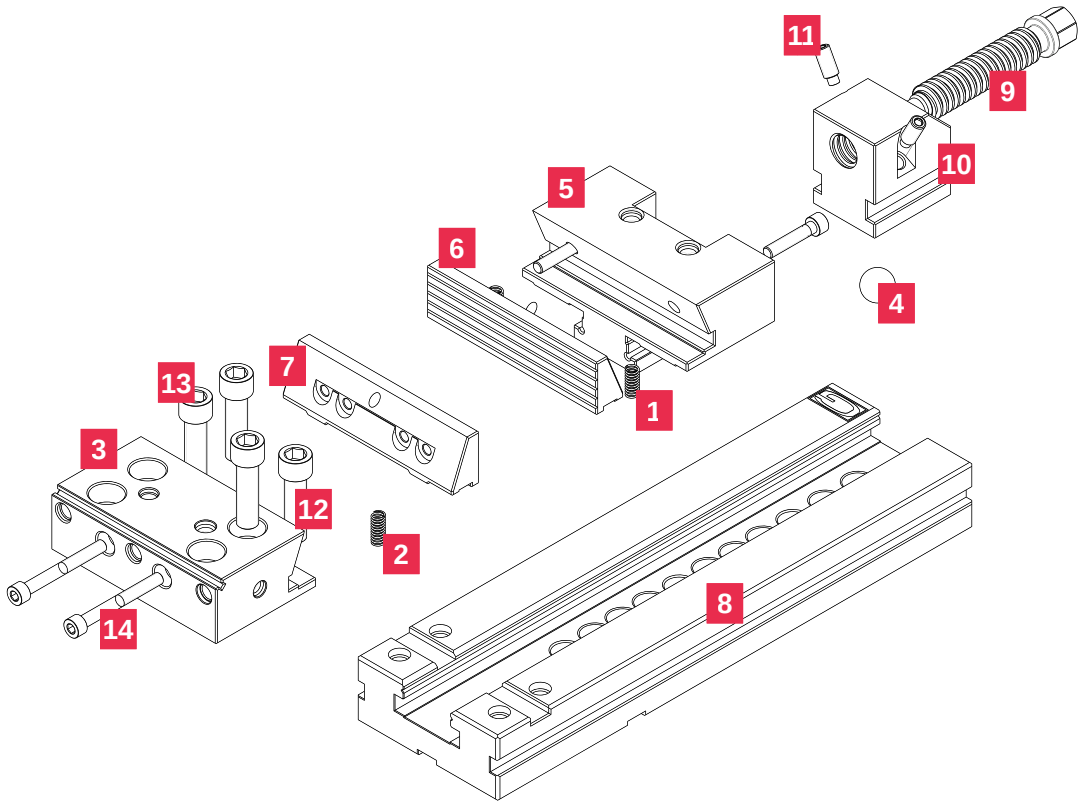
Parti di ricambio morsa MRS / MRS spare parts



1	MOLLA PER PIASTRA GANASCIA SPRING FOR JAW PLATES
2	MOLLA PER PIASTRA GANASCIA SPRING FOR JAW PLATES
3	CORPO GANASCIA FISSA BODY FIXED JAW
4	SFERA D7/8” SPHERE D7/8”
5	CORPO GANASCIA MOBILE GUIDATA BODY GUIDED MOVABLE JAW
6	PIASTRA GANASCIA FISSA E MOBILE FIXED AND MOVABLE JAW PLATE
7	PIASTRA GANASCIA FISSA E MOBILE FIXED AND MOVABLE JAW PLATE

8	SLITTONE BASE SERIE STD VISE BASE SERIE STD
9	VITE DI SPINTA CLAMPING BOLT
10	SUPPORTO DI SERRAGGIO MECCANICO MECHANICAL CLAMPING DEVICE SUPPORT
11	GRANO ESAGONO INCASSATO PUNTA CILINDRICA SOCKET SET SCREWS WITH CLINDRICAL HEAD
12	VITE TESTA CILINDRICA SOCKET HEAD CAP SCREW
13	VITE TESTA CILINDRICA SOCKET HEAD CAP SCREW
14	VITE TESTA CILINDRICA SOCKET HEAD CAP SCREW

KINTEK®

KINTEK **FAST-IN**

HOLDERS RANGE FOR DRIVEN TOOLS **ER25/ER32**

KINTEK **FAST-IN**

PROGRAMMA PORTAUTENSILI PER MOTORIZZATI USCITA **ER25/ER32**

KINTEK **FAST-IN**

HALTER FÜR **ER25/ER32** ANGETRIEBENE

KINTEK **FAST-IN**

GAMA DE PORTAHERRAMIENTAS **ER25/ER32** PARA MOTORIZADAS

KINTEK **FAST-IN**

GAMME DE PORTE-OUTILS POUR MOTORISÉS **ER25/ER32**

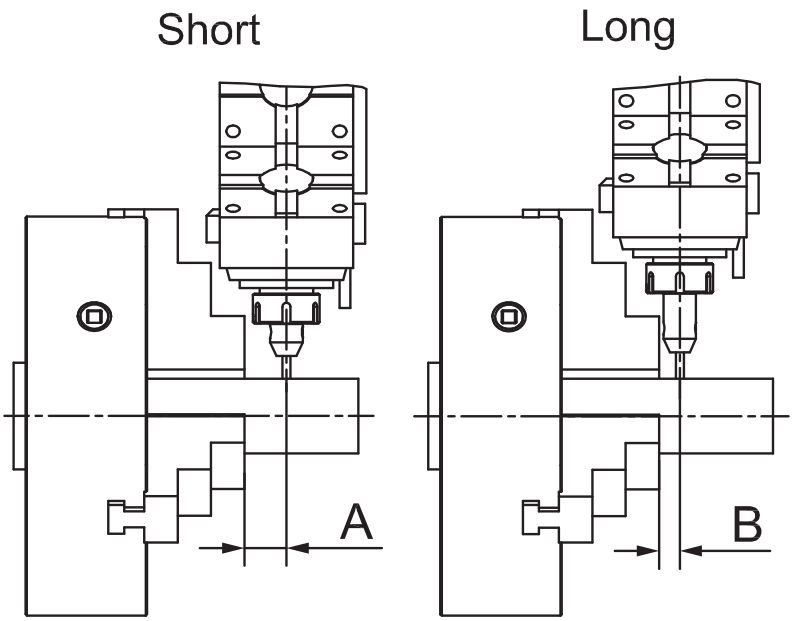
KINTEK **FAST-IN**

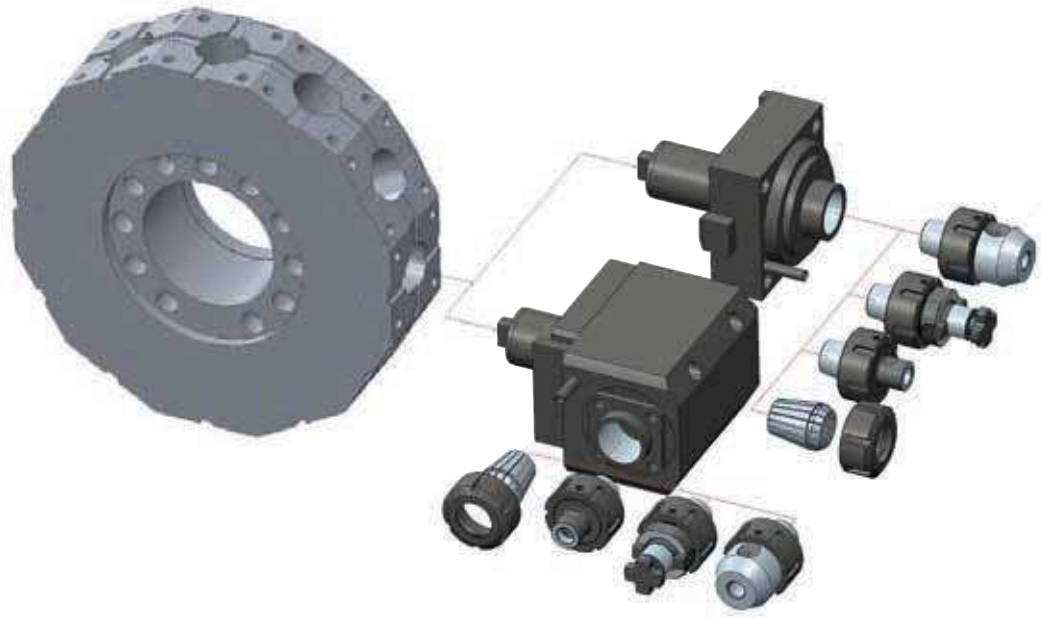
ДИАПАЗОН ОПРАВОК ДЛЯ ПРИВОДНЫХ ГОЛОВОК **ER25/ER32**

KINTEK **FAST-IN**

用于动力刀座**ER25/ER32**的刀柄范围

TOOLHOLDERS WITH SHANK ER25-ER32 - SHORT-LONG

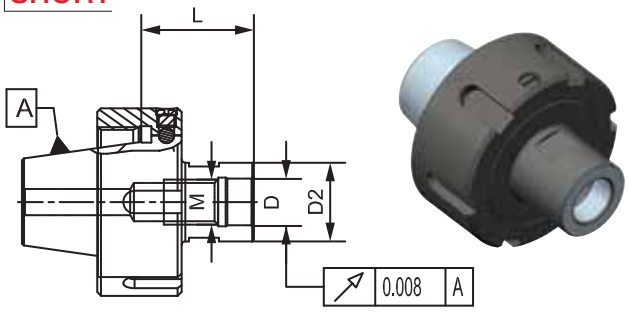




MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTERS

SPANFUTTER FÜR EINSCHRAUBFRÄSER | MANDRINI PER FRESE CON ATTACCO FILETTATO
CONOS PORTAFRESAS CON EXTREMO ROSCADO | MANDRINS POUR FRAISER A VISSER
ОПРАВКИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК | 螺纹连接型铣刀的铣刀杆

SHORT

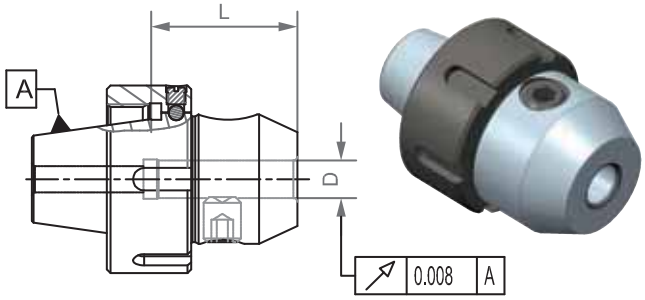


CODE N.	DESCRIPTION	M	D	D2	L
217-86705	ER25H35M08	M8	8,5	13	35
217-86706	ER25H35M10	M10	10,5	18	35
217-86707	ER25H30M12	M12	12,5	21	30
217-86708	ER25H25M16	M16	17	29	25
217-86701	ER32H35M08	M8	8,5	13	35
217-86702	ER32H35M10	M10	10,5	18	35
217-86703	ER32H30M12	M12	12,5	21	30
217-86704	ER32H25M16	M16	17	29	25

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON | MANDRINI PORTAFRESE TIPO WELDON
CONOS PORTAHERRAMIENTAS WELDON | MANDRINS POUR OUTILS TYPE WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON | 威尔登式端铣夹具

SHORT

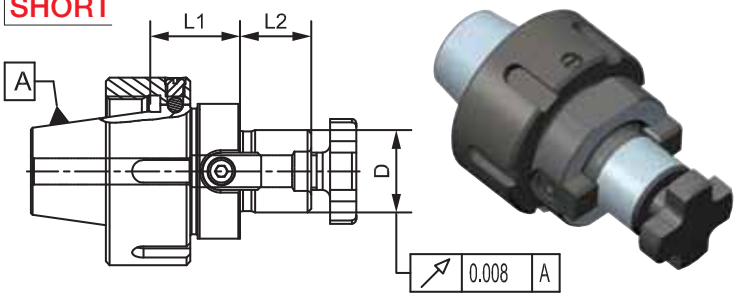


CODE N.	DESCRIPTION	D	L
213-16707	ER25H35WE06	6	35
213-16708	ER25H35WE08	8	35
213-16709	ER25H39WE10	10	39
213-16710	ER25H43WE12	12	43
213-16701	ER32H35WE06	6	35
213-16702	ER32H35WE08	8	35
213-16703	ER32H39WE10	10	39
213-16704	ER32H43WE12	12	43
213-16705	ER32H43WE14	14	43
213-16706	ER32H45WE16	16	45

FACE MILL HOLDERS-TENONS DRIVE

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT | MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
CONOS PORTAFRESAS CON REFRIGERACION INTERNA | MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА | 平面铣刀柄 – 凸榫驱动带有更大的法兰直径

SHORT

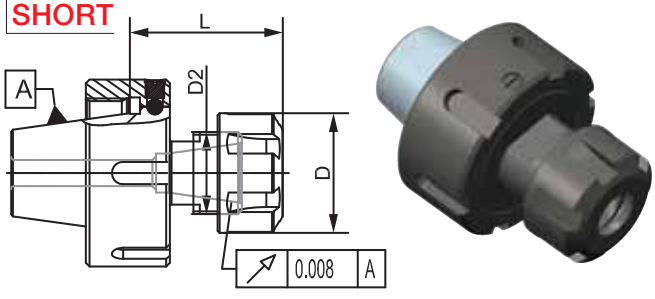


CODE N.	DESCRIPTION	D	L1	L2
216-76704	ER25H22D16	16	22	17
216-76705	ER25H24D22	22	24	19
216-76701	ER32H22D16	16	22	17
216-76702	ER32H24D22	22	24	19
216-76703	ER32H26D27	27	26	21

ER COLLET CHUCK

SPANNZANGENFUTTER ER TYP | MANDRINI PORTAPINZA TIPO ER
CONOS PORTAPINZAS TIPO ER | MANDRINS A PINCES TYPE ER
ЦАНГОВЫЕ ПАТРОНЫ ER | ER 弹簧夹头

SHORT

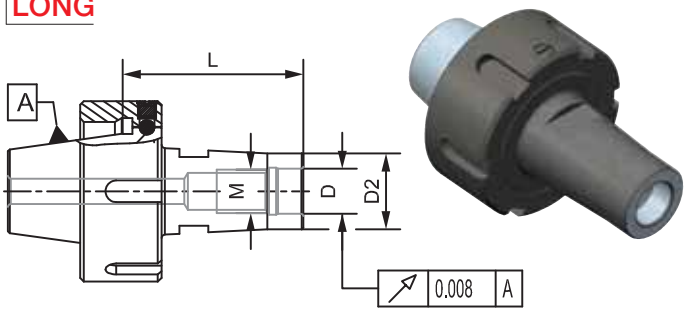


CODE N.	DESCRIPTION	ER	D	D2	L
214-36701	ER25H41ER16	16	32	22	41
214-36702	ER25H43ER20	20	35	25	43
214-36703	ER25H45ER25	25	42	32	45
214-36704	ER32H41ER16	16	32	22	41
214-36705	ER32H43ER20	20	35	25	43
214-36706	ER32H45ER25	25	42	32	45
214-36707	ER32H48ER32	32	50	40	48

MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTERS

SPANFUTTER FÜR EINSCHRAUBFRÄSER | MANDRINI PER FRESE CON ATTACCO FILETTATO
CONOS PORTAFRESAS CON EXTREMO ROSCADO | MANDRINS POUR FRAISER A VISSER
ОПРАВКИ ДЛЯ ФРЕЗЕРНЫХ ГОЛОВОК | 螺纹连接型铣刀的铣刀杆

LONG

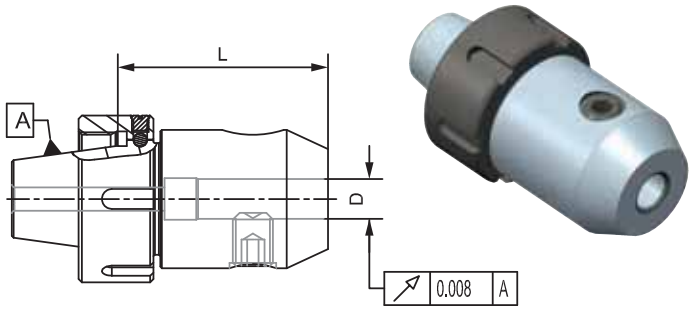


CODE N.	DESCRIPTION	M	D	D2	L
217-86709	ER25H55M08	M8	8,5	13	55
217-86710	ER25H55M10	M10	10,5	18	55
217-86711	ER25H50M12	M12	12,5	21	50
217-86712	ER25H45M16	M16	17	29	45
217-86713	ER32H55M08	M8	8,5	13	55
217-86714	ER32H55M10	M10	10,5	18	55
217-86715	ER32H50M12	M12	12,5	21	50
217-86716	ER32H45M16	M16	17	29	45

END MILL HOLDERS WELDON

ZYLINDERSCHAFTAUFNAHME WELDON | MANDRINI PORTAFRESE TIPO WELDON
CONOS PORTAHERRAMIENTAS WELDON | MANDRINS POUR OUTILS TYPE WELDON
ОПРАВКИ С КРЕПЛЕНИЕМ WELDON | 威尔登式端铣夹具

LONG

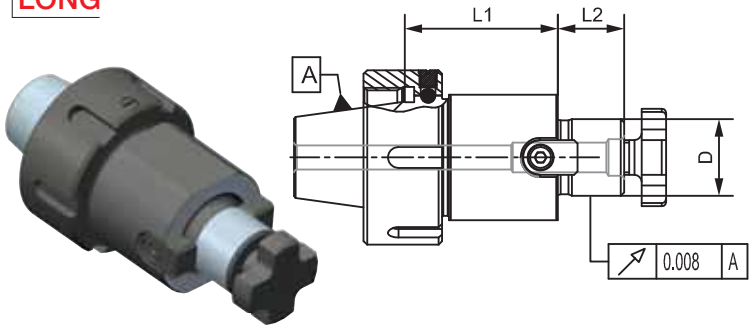


CODE N.	DESCRIPTION	D	L
213-16711	ER25H55WE06	6	55
213-16712	ER25H55WE08	8	55
213-16713	ER25H59WE10	10	59
213-16714	ER25H63WE12	12	63
213-16715	ER32H55WE06	6	55
213-16716	ER32H55WE08	8	55
213-16717	ER32H59WE10	10	59
213-16718	ER32H63WE12	12	63
213-16719	ER32H63WE14	14	63
213-16720	ER32H65WE16	16	65

FACE MILL HOLDERS-TENONS DRIVE

AUFSTECKFRÄSDORNE FÜR FRÄSER MIT QUERNUT | MANDRINI PORTAFRESE A TRASCINAMENTO FISSO
CONOS PORTAFRESAS CON REFRIGERACION INTERNA | MANDRINS PORTE-FRAISE-ENTRAINEMENT PAR TENONS
ОПРАВКИ ДЛЯ НАСАДНЫХ ФРЕЗ С УВЕЛИЧЕННЫМ ДИАМЕТРОМ КОРПУСА | 平面铣刀柄 – 凸榫驱动带有更大的法兰直径

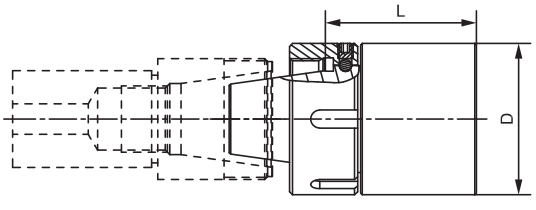
LONG



CODE N.	DESCRIPTION	D	L1	L2
216-76706	ER25H42D16	16	42	17
216-76707	ER25H44D22	22	44	19
216-76708	ER32H42D16	16	42	17
216-76709	ER32H44D22	22	44	19
216-76710	ER32H46D27	27	46	21

BLANK TOOLHOLDER WITH SOFT SHANK

ROHLINGE MIT WEICHEM SCHAFT | MANDRINI SEMILAVORATI A STELO TENERO
CONOS PORTAPINZAS TIPO ER | BARRES D'ALESAGE SEMI-FINIES
ЗАГОТОВКИ ДЛЯ ОПРАВОК НЕЗАКАЛЕННЫЕ | 带软柄的切断刀柄



CODE N.	DESCRIPTION	D	L
217-46701	ER25H70D40SML	40	70
217-46702	ER32H70D50SML	50	70

Required for machining: Cylindrical collet chuck.
For example: KINTEK 214-35132 & 214-35117

KINTEK®

DRIVEN TOOLS FOR CNC LATHES

PORTAUTENSILI ROTANTI VDI PER TORNI CNC

www.kintek.it

DRIVEN TOOLS FOR CNC LATHES

PORTAUTENSILI ROTANTI VDI PER TORNI CNC

ANGETRIEBENE WERKZEUGHALTER FÜR CNC-DREHMASCHINEN

PORTAHERRAMIENTAS ROTATIVAS VDI PARA TORNOS CNC

PORTE-OUTILS TOURNANTS VDI POUR TOURS CNC

ПРИВОДНЫЕ ТОКАРНЫЕ ГОЛОВКИ ПО ДЛЯ СТАНКОВ С ЧПУ

标准的 CNC 数控车床驱动工具

TECHNICAL FEATURES
DATI TECNICI Pag. 282-283

BIGLIA - BMT55 Pag. 284-285

DIN 5480 / SAUTER Pag. 286-287

DIN 5482 / SAUTER Pag. 288-289

DIN 1809 / DUPLOMATIC Pag. 290-291

TOEM BARUFFALDI Pag. 292-293

HAAS Pag. 294-295

OKUMA - BMT60 - VDI30/40/50 Pag. 296-300

MAZAK QTN 100/150 - VDI40 Pag. 301

MAZAK QTN 200/250 Pag. 302

MAZAK BMT68 Pag. 303-304

DMG MORI SEIKI / CMZ Pag. 305-306

DMG MORI SEIKI - BMT40 Pag. 307-308

MORI SEIKI SEIKI - BMT60 Pag. 309-311

NAKAMURA-TOME - BMT44 Pag. 312-313

NAKAMURA-TOME - BMT55 Pag. 314-315

NAKAMURA-TOME - BMT65 Pag. 316-317

DOOSAN - BMT45-BMT55-BMT65 Pag. 318-320

DOOSAN-BMT-ANG Pag. 321

DRIVEN TOOLHOLDERS

We would like to inform you that you can consult the availability of the driven toolholders for each type of machine tool directly from the website **WWW.KINTEK.IT**

PORTAUTENSILI MOTORIZZATI

Vi informiamo che potete consultare la disponibilità di portautensili motorizzati per ogni tipologia di macchina utensile direttamente dal sito **WWW.KINTEK.IT**

ANGETRIEBENE WERKZEUGE

Wir möchten informieren, sie können nach der verfügbarkeit der angetriebenen werkzeughalter für jede typologie von werkzeugmaschine direkt aus der webseite **WWW.KINTEK.IT** fragen.

PORTAHERRMIENTAS MOTORIZADAS

Les informamos que pueden consultar la disponibilidad de las portaherramientas motorizadas para cada tipo de máquina directamente en nuestro sitio web **WWW.KINTEK.IT**

PORTE-OUTIL TOURNANTS

Nous vous informons que vous pouvez rechercher la disponibilité des porte-outils tournants pour chaque typologie de machine-outil directement à la page **WWW.KINTEK.IT**

ПРИВОДНЫЕ ИНСТРУМЕНТЫ

Мы хотели бы Вас проинформировать, что Вы можете получить у нас консультацию по наличию и других приводных головок любого типа на нашем сайте **WWW.KINTEK.IT**

驱动刀柄

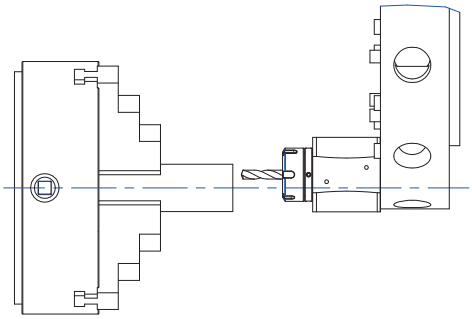
您可以通过访问网站**WWW.KINTEK.IT**了解每种机器所配驱动工具柄的全部产品，举例如下

TECHNICAL FEATURES - DATI TECNICI

Operations with VDI Disk-type turret

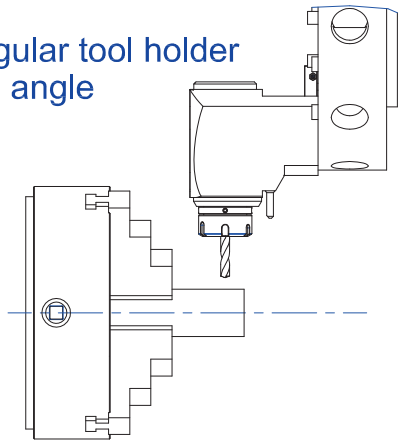
Axial operation

Straight tool holder

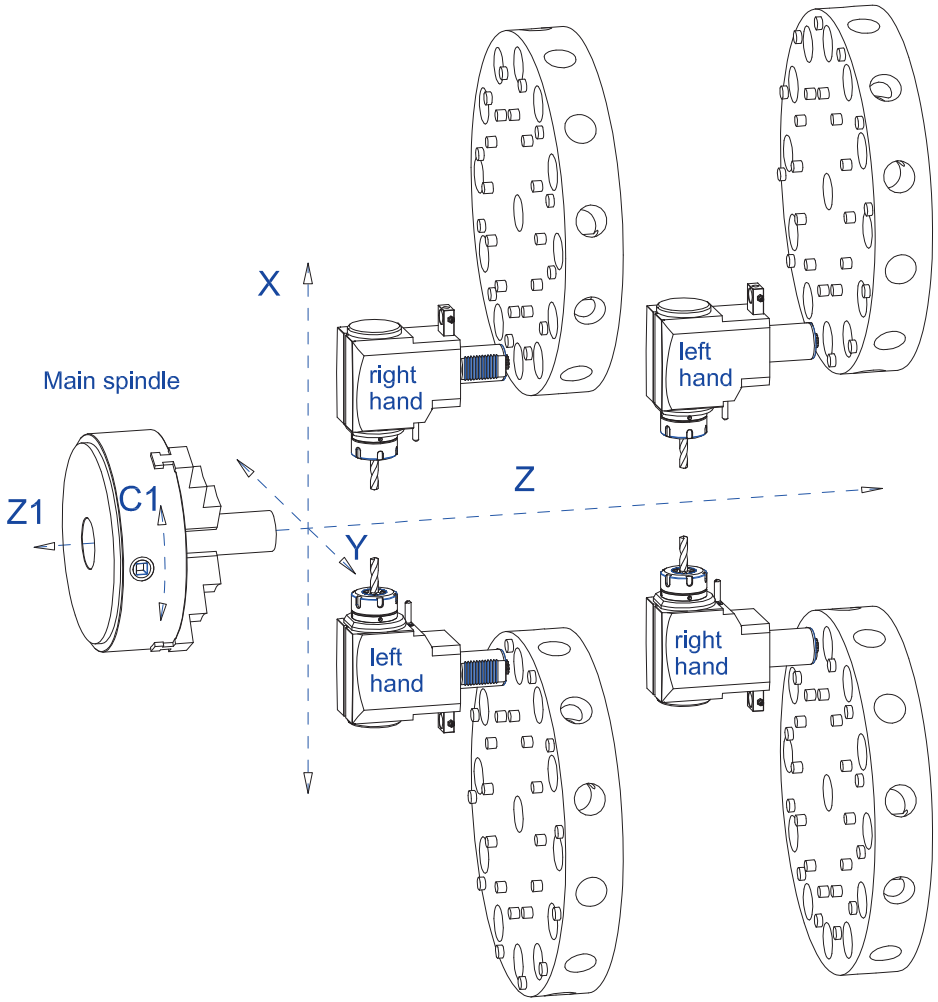


Radial operation

Angular tool holder
90° angle



Right and left hand versions on Disk-type turrets

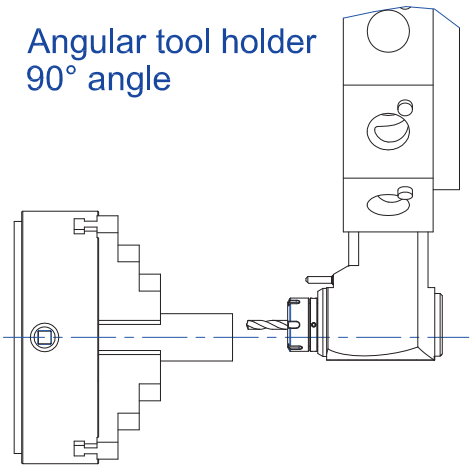


TECHNICAL FEATURES - DATI TECNICI

Operations with VDI Star-type turret

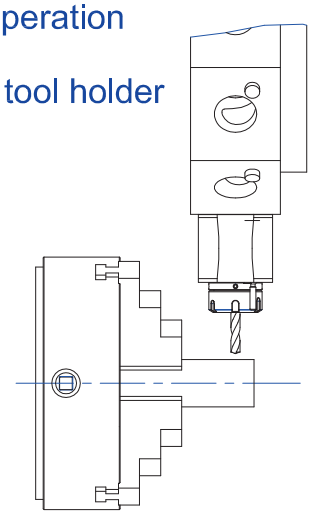
Axial operation

Angular tool holder
90° angle

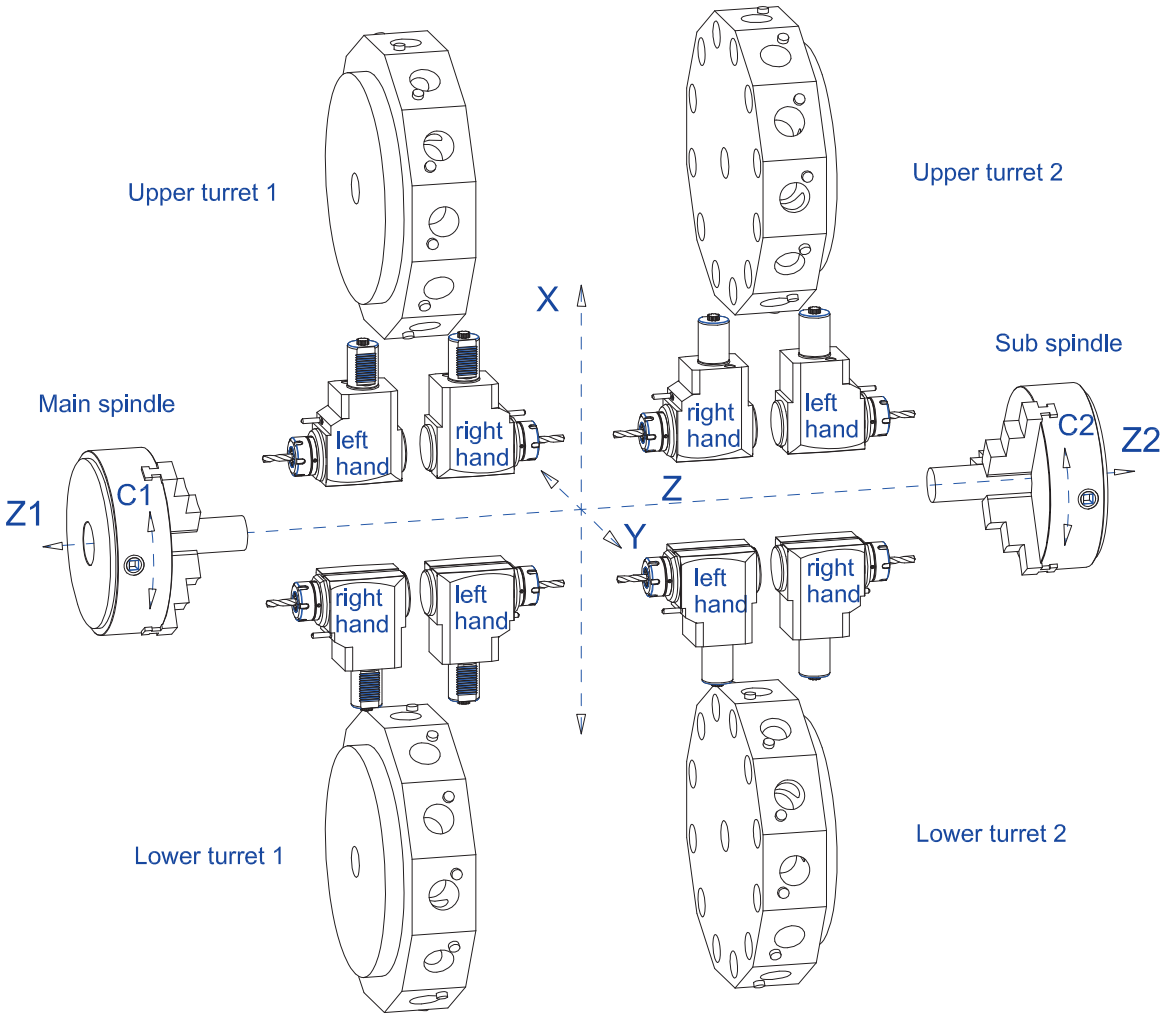


Radial operation

Straight tool holder



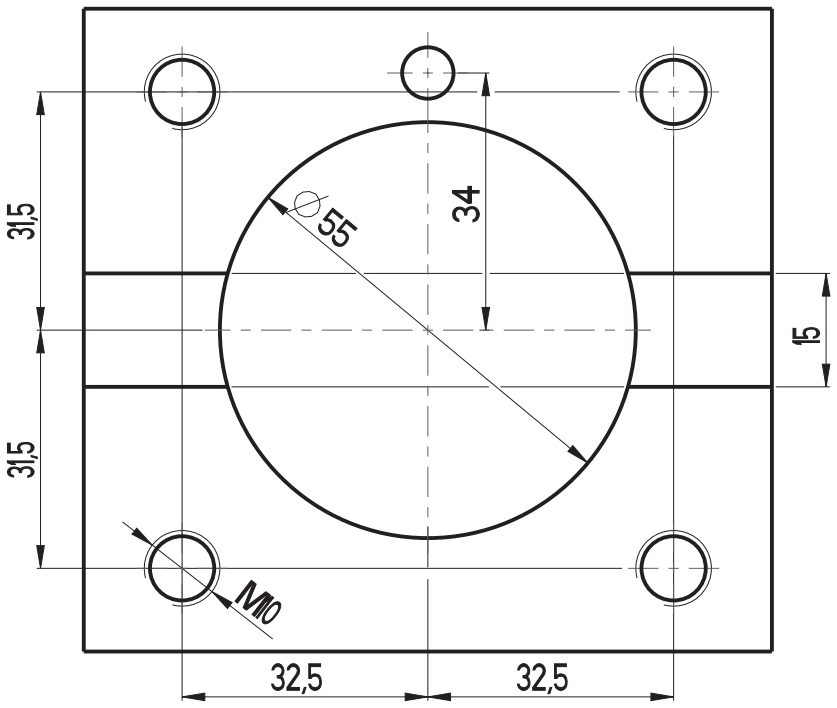
Right and left hand versions on Star-type turrets with main and sub spindle



BIGLIA

B301/445/470/501(Y-S)
510/545/550/565/650/658
1200/446/465/745
765-B750/1250 16 ST.

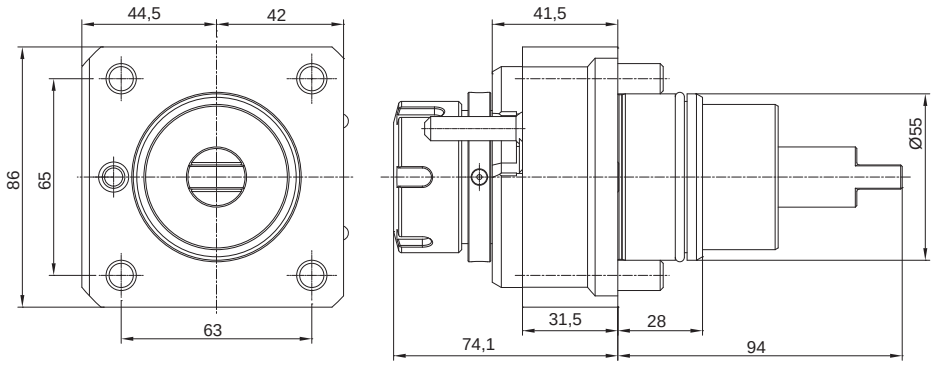
CONNECTION TURRET BIGLIA



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

BIGLIA

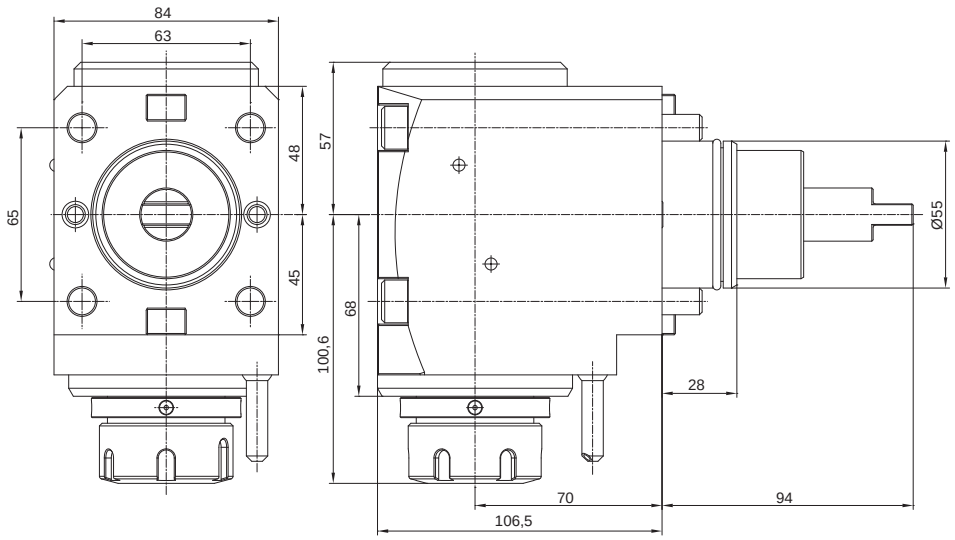


CODE N.	ER	MAX SPEED (Rpm)	I	Max. Torque (Nm)	INTERNAL COOLING	P Bar
124-05519	ER25	6000	1:1	50	no	-
124-05520	ER25	6000	1:1	50	yes	20
124-05521	ER32	6000	1:1	50	no	-
124-05522	ER32	6000	1:1	50	yes	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

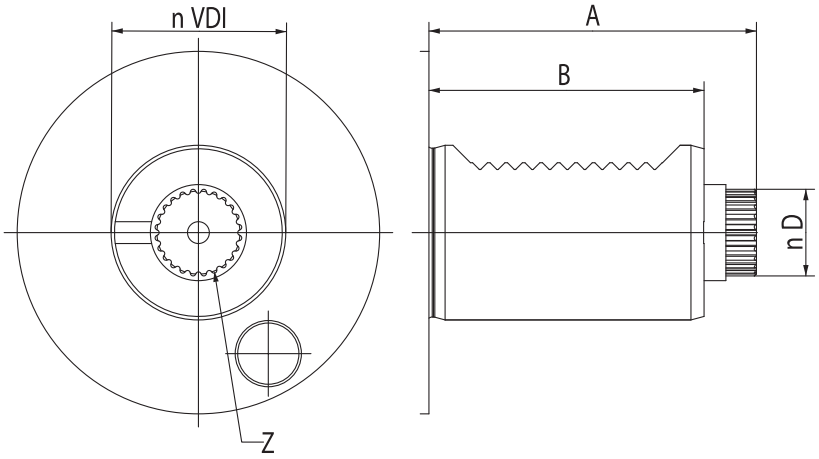
BIGLIA



CODE N.	ER	MAX SPEED (Rpm)	I	Max. Torque (Nm)	INTERNAL COOLING	P Bar
124-05527	ER25	6000	1:1	50	no	-
124-05528	ER25	6000	1:1	50	yes	20
124-05523	ER32	6000	1:1	50	no	-
124-05524	ER32	6000	1:1	50	yes	20
124-05525	ER32	6000	1:1	50	yes	80
124-05526	ER25	6000	1:1	50	yes	80

DIN 5480

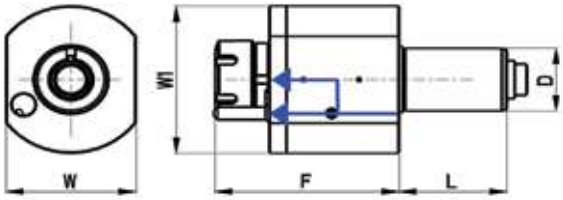
VDI	A	B	D	Z
30	67	55	15,8	18
40	75	63	19,8	24
50	93	78	23,8	18



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR-UND FRÄSKOPF
PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL
TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА
轴向钻铣头

DIN 5480 SAUTER

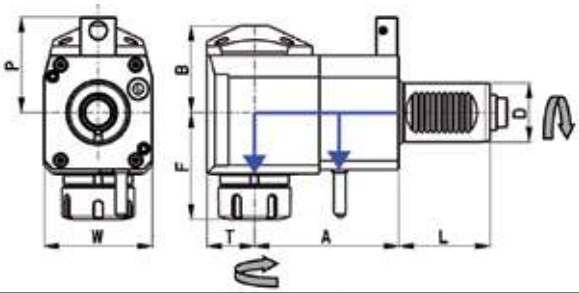


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	i	P BAR
116-43001	30	ER25	no	87	55	64	68	28	6000	1:1	-
116-43002	30	ER25	yes	87	55	64	68	28	6000	1:1	20
116-44001	40	ER25	no	105	63	80	86	50	6000	1:1	-
116-44002	40	ER25	yes	105	63	80	86	50	6000	1:1	20
116-44003	40	ER32	no	108	63	80	86	50	6000	1:1	-
116-44004	40	ER32	yes	108	63	80	86	50	6000	1:1	20
116-45040	50	ER32	no	114,1	78	88	88	80	6000	1:1	-
116-45041	50	ER32	yes	114,1	78	88	88	80	6000	1:1	20
116-45016	50	ER40	no	116,1	78	88	88	80	6000	1:1	-
116-45017	50	ER40	yes	116,1	78	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR-UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

DIN 5480 SAUTER



CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (rpm)	i	P BAR
116-43003	30	ER25	no	right	55	48	63	55	56	29	64	28	6000	1:1	-
116-43004	30	ER25	yes	right	55	51	63	55	56	29	64	28	6000	1:1	20
116-43005	30	ER25	no	right	85	48	63	55	56	29	64	28	6000	1:1	-
116-43006	30	ER25	yes	right	85	51	63	55	56	29	64	28	6000	1:1	20
116-46001	30	ER25	no	right	100	48	63	55	56	29	64	28	6000	1:1	-
116-46002	30	ER25	yes	right	100	51	63	55	56	29	64	28	6000	1:1	20
116-44005	40	ER25	no	right	80	59	70	63	65	36	75	50	6000	1:1	-
116-44006	40	ER25	yes	right	80	62	70	63	65	36	75	50	6000	1:1	20
116-44007	40	ER25	no	right	100	59	70	63	65	36	75	50	6000	1:1	-
116-44008	40	ER25	yes	right	100	62	70	63	65	36	75	50	6000	1:1	20
116-44009	40	ER32	no	right	80	59	74	63	65	36	75	50	6000	1:1	-
116-44010	40	ER32	yes	right	80	62	74	63	65	36	75	50	6000	1:1	20
116-44011	40	ER32	no	right	100	59	74	63	65	36	75	50	6000	1:1	-
116-44012	40	ER32	yes	right	100	62	74	63	65	36	75	50	6000	1:1	20
116-45052	50	ER32	no	right	110	64	117,1	78	73	42	88	80	6000	1:1	-
116-45053	50	ER32	no	left	110	64	117,1	78	73	42	88	80	6000	1:1	-
116-45054	50	ER32	yes	right	110	64	117,1	78	73	42	88	80	6000	1:1	20
116-45055	50	ER32	yes	left	110	64	117,1	78	73	42	88	80	6000	1:1	20
116-45028	50	ER40	no	right	110	64	119,1	78	73	42	88	80	6000	1:1	-
116-45029	50	ER40	no	left	110	64	119,1	78	73	42	88	80	6000	1:1	-
116-45030	50	ER40	yes	right	110	64	119,1	78	73	42	88	80	6000	1:1	20
116-45031	50	ER40	yes	left	110	64	119,1	78	73	42	88	80	6000	1:1	20

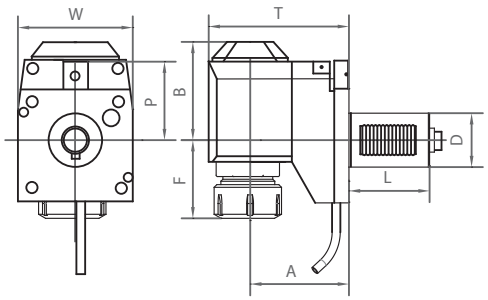
*Left version on enquiry *A richiesta la versione sinistra *Linksausführung auf Anfrage *Versione gauche sur demande *Левое исполнение по запросу *左边版本可查。

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR-UND FRÄSKOPF, ZURÜCKGESETZT PORTAUTENSILE MOTORIZZATO RADIALE ARRETRATO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL RETRACTABLE TÊTE DE PERÇAGE ET FRAISAGE RADIALE, ARRIÈRE
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА СО СМЕЩЕНИЕМ 径向钻铣头,偏移

DIN 5480

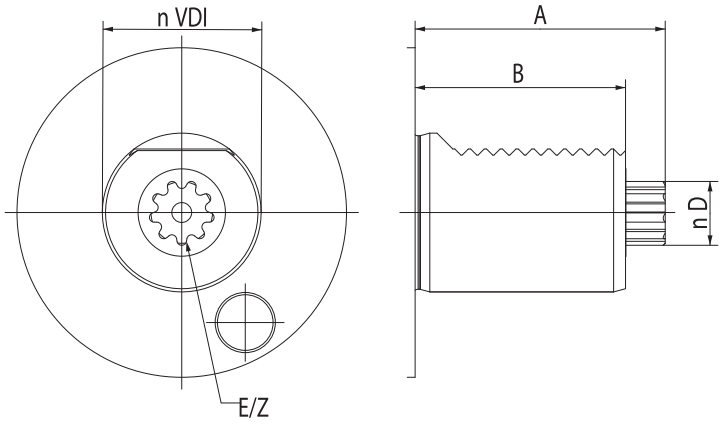


CODE N.	D	ER	COOLING	A	B	F	L	P	T	W	MAX TORQUE (Nm)	Nmax	i	P BAR
116-43008	30	ER25	EXT	75	71	40	55	56	104	64	28	6000	1:1	-
116-43009	30	ER25	EXT+INT	75	74	40	55	56	104	64	28	6000	1:1	20
116-44014	40	ER25	EXT	120	92	37	63	65	156	75	50	6000	1:1	-
116-44015	40	ER25	EXT+INT	120	95	37	63	65	156	75	50	6000	1:1	20
116-44016	40	ER32	EXT	120	92	41	63	65	156	75	50	6000	1:1	-
116-44017	40	ER32	EXT+INT	120	95	41	63	65	156	75	50	6000	1:1	20

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

DIN 5482

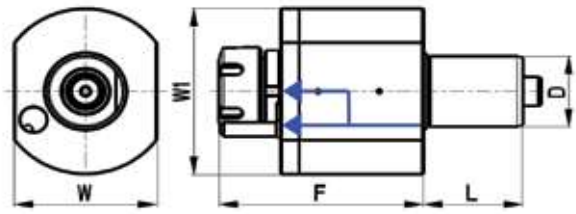
VDI	A	B	D	E	Z
30	55	45	14,5	B15X12	8
40	63	53	16,5	B17X14	9
50	93	78	19,5	B20X17	11



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

DIN 5482 SAUTER

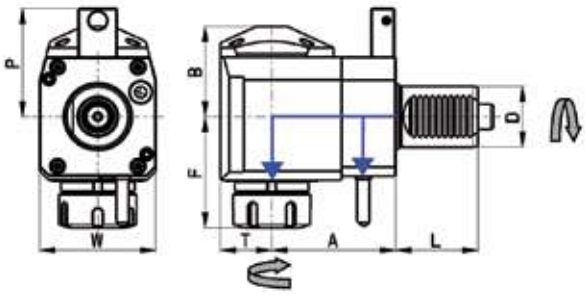


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	i	P BAR
116-43010	30	ER25	no	87	45	64	68	28	6000	1:1	-
116-43011	30	ER25	yes	87	45	64	68	28	6000	1:1	20
116-44018	40	ER25	no	105	53	80	86	50	6000	1:1	-
116-44019	40	ER25	yes	105	53	80	86	50	6000	1:1	20
116-44020	40	ER32	no	108	53	80	86	50	6000	1:1	-
116-44021	40	ER32	yes	108	53	80	86	50	6000	1:1	20
116-45036	50	ER32	no	114,1	71	88	88	80	6000	1:1	-
116-45037	50	ER32	yes	114,1	71	88	88	80	6000	1:1	20
116-45012	50	ER40	no	116,1	71	88	88	80	6000	1:1	-
116-45013	50	ER40	yes	116,1	71	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

DIN 5482 SAUTER



CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (rpm)	i	P BAR
116-43012	30	ER25	no	right	55	48	63	45	48	26	64	28	6000	1:1	-
116-43013	30	ER25	yes	right	55	51	63	45	48	26	64	28	6000	1:1	20
116-44022	40	ER25	no	right	80	59	70	53	71	33	75	50	6000	1:1	-
116-44023	40	ER25	yes	right	80	62	70	53	71	33	75	50	6000	1:1	20
116-44024	40	ER32	no	right	80	59	74	53	71	33	75	50	6000	1:1	-
116-44025	40	ER32	yes	right	80	62	74	53	71	33	75	50	6000	1:1	20
116-45044	50	ER32	no	right	110	64	117,1	71	83	42	88	80	6000	1:1	-
116-45045	50	ER32	no	left	110	64	117,1	71	83	42	88	80	6000	1:1	-
116-45046	50	ER32	yes	right	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45047	50	ER32	yes	left	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45020	50	ER40	no	right	110	64	119,1	71	83	42	88	80	6000	1:1	-
116-45021	50	ER40	no	left	110	64	119,1	71	83	42	88	80	6000	1:1	-
116-45022	50	ER40	yes	right	110	64	119,1	71	83	42	88	80	6000	1:1	20
116-45023	50	ER40	yes	left	110	64	119,1	71	83	42	88	80	6000	1:1	20

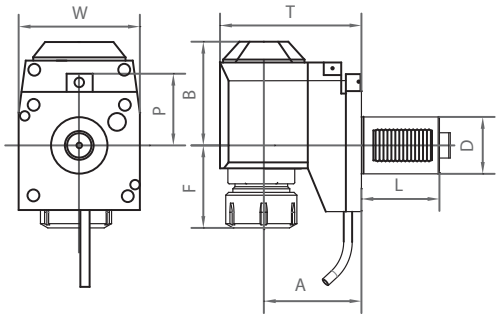
*Left version on enquiry *A richiesta la versione sinistra *Linksausführung auf Anfrage *Versione gauche sur demande *Левое исполнение по запросу *左边版本可查。

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF, ZURÜCKGESETZT PORTAUTENSILE MOTORIZZATO RADIALE ARRETRATO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL RETRACTABLE TÊTE DE PERÇAGE ET FRAISAGE RADIALE, ARRIÈRE
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА СО СМЕЩЕНИЕМ 径向钻铣头,偏移

DIN 5482

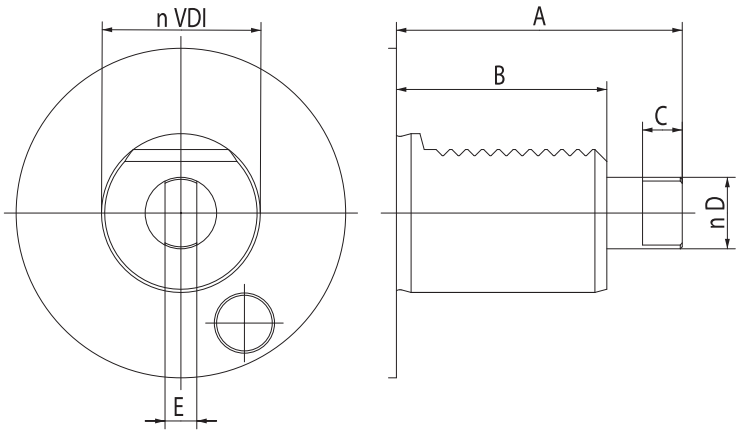


CODE N.	D	ER	INTERNAL COOLING	A	B	F	L	P	T	W	MAX TORQUE (Nm)	Nmax	i	P BAR
116-43015	30	ER25	no	75	71	40	45	48	104	64	28	6000	1:1	-
116-43016	30	ER25	yes	75	74	40	45	48	104	64	28	6000	1:1	20
116-46003	40	ER25	no	120	92	37	53	71	156	75	50	6000	1:1	-
116-46004	40	ER25	yes	120	95	37	53	71	156	75	50	6000	1:1	20
116-46005	40	ER32	no	120	92	41	53	71	156	75	50	6000	1:1	-
116-46006	40	ER32	yes	120	95	41	53	71	156	75	50	6000	1:1	20

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

DIN 1809

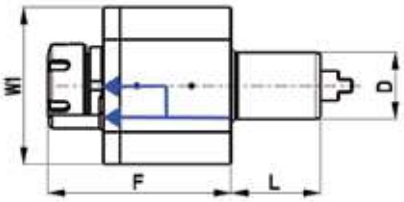
VDI	A	B	C	D	E
30	62	45	8	12	6
40	72	53	10	18	8
50	91	78	13	24	13



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF
PORTAHERRAMIENTAS MOTORIZADAS AXIAL
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА
PORTAUTENSILE MOTORIZZATO ASSIALE
TÊTE DE PERÇAGE ET FRAISAGE
轴向钻铣头

DIN1809 - DUPLOMATIC

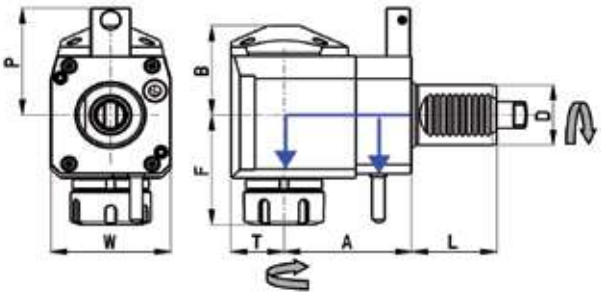


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	i	P BAR
116-43017	30	ER25	no	87	45	64	68	28	6000	1:1	-
116-43018	30	ER25	yes	87	45	64	68	28	6000	1:1	20
116-44026	40	ER25	no	105	53	80	86	50	6000	1:1	-
116-44027	40	ER25	yes	105	53	80	86	50	6000	1:1	20
116-44028	40	ER32	no	108	53	80	86	50	6000	1:1	-
116-44029	40	ER32	yes	108	53	80	86	50	6000	1:1	20
116-44030	40	ER32	no	95	53	80	86	50	6000	1:1	-
116-44031	40	ER32	yes	95	53	80	86	50	6000	1:1	20
116-45038	50	ER32	no	114,1	71	88	88	80	6000	1:1	-
116-45039	50	ER32	yes	114,1	71	88	88	80	6000	1:1	20
116-45014	50	ER40	no	116,1	71	88	88	80	6000	1:1	-
116-45015	50	ER40	yes	116,1	71	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

DIN1809 - DUPLOMATIC



CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (rpm)	i	P BAR
116-43019	30	ER25	no	right	55	48	63	45	48	29	64	28	6000	1:1	-
116-43020	30	ER25	yes	right	55	51	63	45	48	29	64	28	6000	1:1	20
116-44032	40	ER25	no	right	80	59	70	53	71	36	75	50	6000	1:1	-
116-44033	40	ER25	yes	right	80	62	70	53	71	36	75	50	6000	1:1	20
116-44034	40	ER32	no	right	80	59	74	53	71	36	75	50	6000	1:1	-
116-44035	40	ER32	yes	right	80	62	74	53	71	36	75	50	6000	1:1	20
116-44036	40	ER25	no	left	100	59	70	53	-	36	75	50	6000	1:1	-
116-44037	40	ER25	yes	left	100	62	70	53	-	36	75	50	6000	1:1	20
116-44038	40	ER32	no	left	100	59	74	53	-	36	75	50	6000	1:1	-
116-44039	40	ER32	yes	left	100	62	74	53	-	36	75	50	6000	1:1	20
116-45048	50	ER32	no	right	110	64	117,1	71	83	42	88	80	6000	1:1	-
116-45049	50	ER32	no	left	110	64	117,1	71	83	42	88	80	6000	1:1	-
116-45050	50	ER32	yes	right	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45051	50	ER32	yes	left	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45024	50	ER40	no	right	110	64	119,1	71	83	42	88	80	6000	1:1	-
116-45025	50	ER40	no	left	110	64	119,1	71	83	42	88	80	6000	1:1	-
116-45026	50	ER40	yes	right	110	64	119,1	71	83	42	88	80	6000	1:1	20
116-45027	50	ER40	yes	left	110	64	119,1	71	83	42	88	80	6000	1:1	20

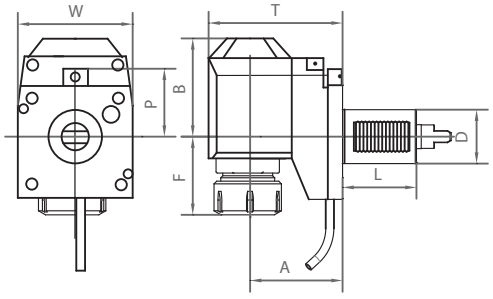
*Left version on enquiry *A richiesta la versione sinistra *Linksausführung auf Anfrage *Versione gauche sur demande *Левое исполнение по запросу *左边版本可查。

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF, ZURÜCKGESETZT PORTAUTENSILE MOTORIZZATO RADIALE ARRETRATO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL RETRACTABLE TÊTE DE PERÇAGE ET FRAISAGE RADIALE, ARRIÈRE
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА СО СМЕЩЕНИЕМ 径向钻铣头,偏移

DIN 1809

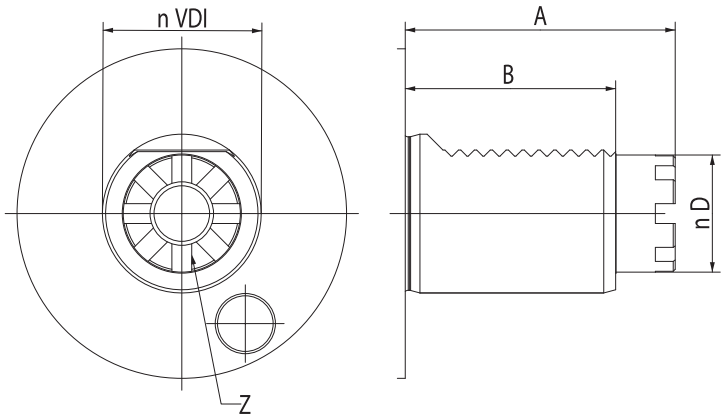


CODE N.	D	ER	INTERNAL COOLING	A	B	F	L	P	T	W	MAX TORQUE (Nm)	Nmax	i	P BAR
116-43022	30	ER25	no	75	71	40	45	48	104	64	28	6000	1:1	-
116-43023	30	ER25	yes	75	74	40	45	48	104	64	28	6000	1:1	20
116-46007	40	ER25	no	120	92	37	53	71	156	75	50	4000	1:1	-
116-46008	40	ER25	yes	120	95	37	53	71	156	75	50	4000	1:1	20
116-46009	40	ER32	no	120	92	41	53	71	156	75	50	4000	1:1	-
116-46010	40	ER32	yes	120	95	41	53	71	156	75	50	4000	1:1	20

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

TOEM BARUFFALDI

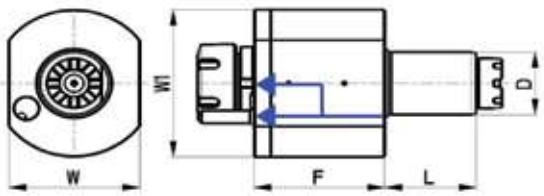
VDI	A	B	D	Z
30	59	45/53	24	6
40	68	53	32	8
50	84	70	40	8



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF
PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL
TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА
轴向钻铣头

TOEM BARUFFALDI

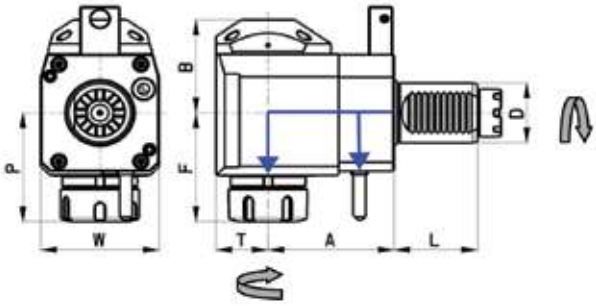


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	i	Z	P BAR
116-43024	30	ER25	no	87	45	64	68	28	6000	1:1	6	-
116-43025	30	ER25	yes	87	45	64	68	28	6000	1:1	6	20
116-44044	40	ER25	no	105	53	80	86	50	6000	1:1	8	-
116-44045	40	ER25	yes	105	53	80	86	50	6000	1:1	8	20
116-44046	40	ER32	no	108	53	80	86	50	6000	1:1	8	-
116-44047	40	ER32	yes	108	53	80	86	50	6000	1:1	8	20
116-45042	50	ER32	no	114,1	71	88	88	80	6000	1:1	-	
116-45043	50	ER32	yes	114,1	71	88	88	80	6000	1:1	20	
116-45018	50	ER40	no	116,1	71	88	88	80	6000	1:1	-	
116-45019	50	ER40	yes	116,1	71	88	88	80	6000	1:1	20	

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

TOEM BARUFFALDI



CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (rpm)	i	Z	P BAR
116-43026	30	ER25	no	right	55	48	63	45	48	29	64	28	6000	1:1	6	-
116-43027	30	ER25	yes	right	55	51	63	45	48	29	64	28	6000	1:1	6	20
116-44048	40	ER25	no	right	80	59	70	53	71	36	75	50	6000	1:1	8	-
116-44049	40	ER25	yes	right	80	62	70	53	71	36	75	50	6000	1:1	8	20
116-44050	40	ER32	no	right	80	59	74	53	71	36	75	50	6000	1:1	8	-
116-44051	40	ER32	yes	right	80	62	74	53	71	36	75	50	6000	1:1	8	20
116-45056	50	ER32	no	right	110	64	117,1	71	83	42	88	80	6000	1:1	-	
116-45057	50	ER32	no	left	110	64	117,1	71	83	42	88	80	6000	1:1	-	
116-45058	50	ER32	yes	right	110	64	117,1	71	83	42	88	80	6000	1:1	20	
116-45059	50	ER32	yes	left	110	64	117,1	71	83	42	88	80	6000	1:1	20	
116-45032	50	ER40	no	right	110	64	119,1	71	83	42	88	80	6000	1:1	-	
116-45033	50	ER40	no	left	110	64	119,1	71	83	42	88	80	6000	1:1	-	
116-45034	50	ER40	yes	right	110	64	119,1	71	83	42	88	80	6000	1:1	20	
116-45035	50	ER40	yes	left	110	64	119,1	71	83	42	88	80	6000	1:1	20	

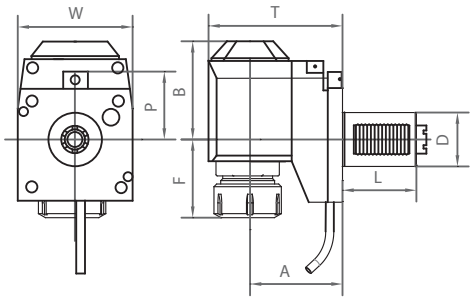
*Left version on enquiry *A richiesta la versione sinistra *Linksausführung auf Anfrage *Versione gauche sur demande *Левое исполнение по запросу *左边版本可查。

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF, ZURÜCKGESETZT PORTAUTENSILE MOTORIZZATO RADIALE ARRETRATO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL RETRACTABLE TÊTE DE PERÇAGE ET FRAISAGE RADIALE, ARRIÈRE
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА СО СМЕЩЕНИЕМ 径向钻铣头,偏移

TOEM BARUFFALDI

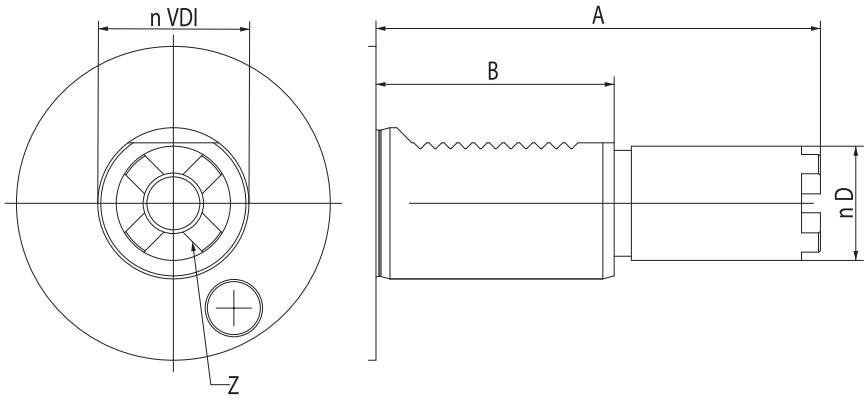


CODE N.	D	ER	INTERNAL COOLING	A	B	F	L	P	T	W	MAX TORQUE (Nm)	Nmax	i	Z	P BAR
116-43029	30	ER25	no	75	71	40	45	48	104	64	28	6000	1:1	6	-
116-43030	30	ER25	yes	75	74	40	45	48	104	64	28	6000	1:1	6	20
116-46011	40	ER25	no	120	92	37	53	71	156	75	50	6000	1:1	-	-
116-46012	40	ER25	yes	120	95	37	53	71	156	75	50	6000	1:1	-	20
116-46013	40	ER32	no	120	92	41	53	71	156	75	50	6000	1:1	-	-
116-46014	40	ER32	yes	120	95	41	53	71	156	75	50	6000	1:1	-	20

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

HAAS

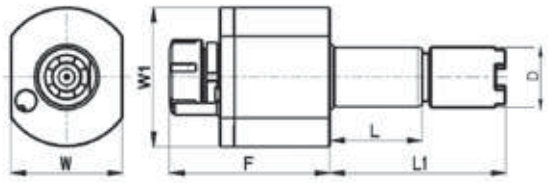
VDI	A	B	D	Z	TYPE
40	104.85	63	30,2	4	1
40	117,55	63	30,2	4	2
40	130,25	63	30,2	4	3



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF
PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL
TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА
轴向钻铣头

STEPPED - HAAS

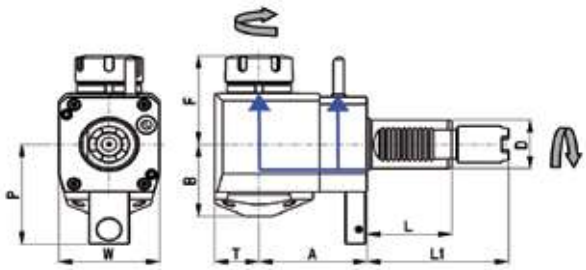


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	F	L	L1	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	i	P BAR
116-44056	40	ER25	no	105	63	104,85	80	86	50	6000	1:1	-
116-44057	40	ER25	yes	105	63	104,85	80	86	50	6000	1:1	20
116-44058	40	ER32	no	108	63	104,85	80	86	50	6000	1:1	-
116-44059	40	ER32	yes	108	63	104,85	80	86	50	6000	1:1	20
116-44060	40	ER25	no	105	63	117,55	80	86	50	6000	1:1	-
116-44061	40	ER25	yes	105	63	117,55	80	86	50	6000	1:1	20
116-44062	40	ER32	no	108	63	117,55	80	86	50	6000	1:1	-
116-44063	40	ER32	yes	108	63	117,55	80	86	50	6000	1:1	20
116-44064	40	ER25	no	105	63	130,25	80	86	50	6000	1:1	-
116-44065	40	ER25	yes	105	63	130,25	80	86	50	6000	1:1	20
116-44066	40	ER32	no	108	63	130,25	80	86	50	6000	1:1	-
116-44067	40	ER32	yes	108	63	130,25	80	86	50	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

STEPPED - HAAS



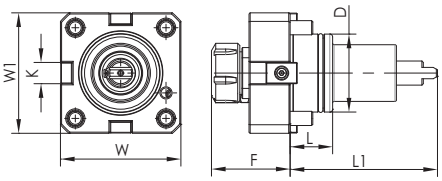
CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (rpm)	i
116-47001	40	ER25	no	left	69	59	70	63	104,85	82	36	75	60	6000	1:1
116-47002	40	ER25	yes	left	69	62	70	63	104,85	82	36	75	50	6000	1:1
116-47003	40	ER32	no	left	69	59	74	63	104,85	82	36	75	50	6000	1:1
116-47004	40	ER32	yes	left	69	62	74	63	104,85	82	36	75	50	6000	1:1
116-47005	40	ER25	no	left	69	59	70	63	117,55	82	36	75	50	6000	1:1
116-47006	40	ER25	yes	left	69	62	70	63	117,55	82	36	75	50	6000	1:1
116-47007	40	ER32	no	left	69	59	74	63	117,55	82	36	75	50	6000	1:1
116-47008	40	ER32	yes	left	69	62	74	63	117,55	82	36	75	50	6000	1:1
116-47009	40	ER32	no	left	69	59	70	63	130,25	82	36	75	50	6000	1:1
116-47010	40	ER25	yes	left	69	62	70	63	130,25	82	36	75	50	6000	1:1
116-47011	40	ER25	no	left	69	59	74	63	130,25	82	36	75	50	6000	1:1
116-47012	40	ER32	yes	left	69	62	74	63	130,25	82	36	75	50	6000	1:1
116-44068	40	ER25	no	left	80	59	70	63	104,85	82	36	75	50	6000	1:1
116-44069	40	ER25	yes	left	80	62	70	63	104,85	82	36	75	50	6000	1:1
116-44070	40	ER32	no	left	80	59	74	63	104,85	82	36	75	50	6000	1:1
116-44071	40	ER32	yes	left	80	62	74	63	104,85	82	36	75	50	6000	1:1
116-44072	40	ER25	no	left	80	59	70	63	117,55	82	36	75	50	6000	1:1
116-44073	40	ER25	yes	left	80	62	70	63	117,55	82	36	75	50	6000	1:1
116-44074	40	ER32	no	left	80	59	74	63	117,55	82	36	75	50	6000	1:1
116-44075	40	ER32	yes	left	80	62	74	63	117,55	82	36	75	50	6000	1:1
116-44076	40	ER25	no	left	80	59	70	63	130,25	82	36	75	50	6000	1:1
116-44077	40	ER25	yes	left	80	62	70	63	130,25	82	36	75	50	6000	1:1
116-44078	40	ER32	no	left	80	59	74	63	130,25	82	36	75	50	6000	1:1
116-44079	40	ER32	yes	left	80	62	74	63	130,25	82	36	75	50	6000	1:1

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

BMT65

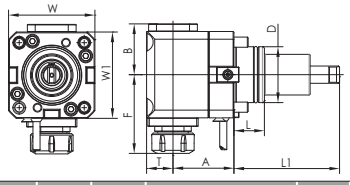


CODE N.	BMT	ER	D	F	K	L	L1	W	W1	MAX: SPEED (Rpm)	I	MAX: TORQUE Nm	INTERNAL COOLING
124-06501	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	no
124-06508	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	yes

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

BMT65

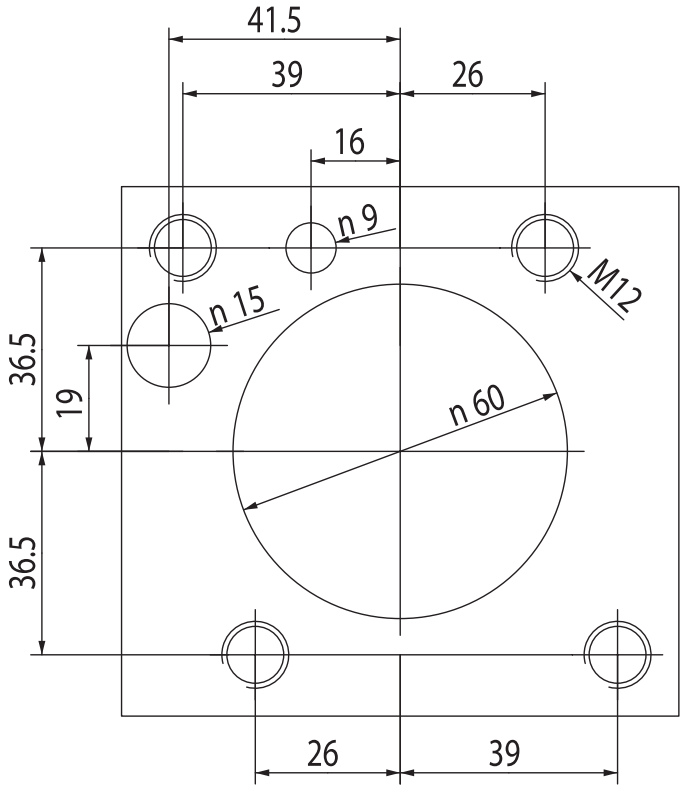


CODE N.	BMT	ER	D	A	B	F	L	L1	T	W	W1	MAX: SPEED (Rpm)	I	MAX: TORQUE Nm	INTERNAL COOLING	P BAR
124-06502	65	ER32	65	72	59	110	32	112	36	94	94	6000	1:1	40	no	-
124-06512	65	ER32	65	72	59	110	32	110	38	94	94	6000	1:1	40	yes	20

OKUMA - BMT60

LB2000 EX (M) - LB2500 EX (M)
LB3000 EX (M, MY) - LT2000 EX - LT3000 EX
LB3000 EX (MW, MYW)LU2000 EX - LU2500 EX
LU3000 EX (M, MW, MY)
GENOS L300 (MY, MW, MYW)

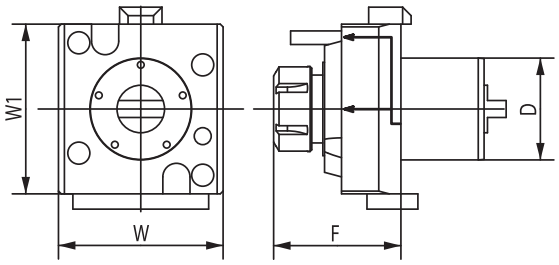
CONNECTION TURRET OKUMA BMT60



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 轴向钻铣头

OKUMA BMT60

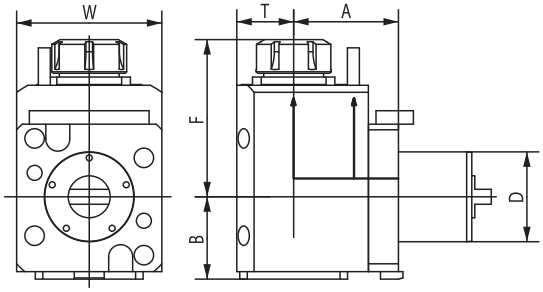


CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06005	60	ER32	no	87	97	100	70	6000	1:1	-
124-06006	60	ER32	yes	87	97	100	70	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

OKUMA BMT60

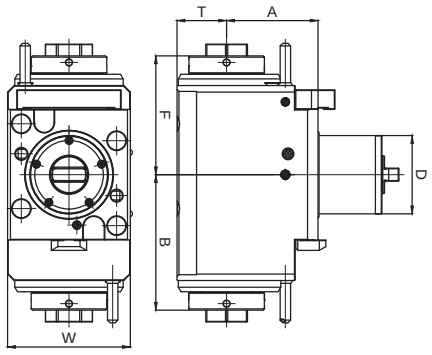


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06007	60	ER32	no	right/left	70	59	111	38	94	70	6000	1:1	-
124-06008	60	ER32	yes	right/left	70	59	111	38	94	70	6000	1:1	20
124-06013	60	ER32	yes	right/left	70	59	111	38	94	70	6000	1:1	80

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

DOUBLE OKUMA BMT60

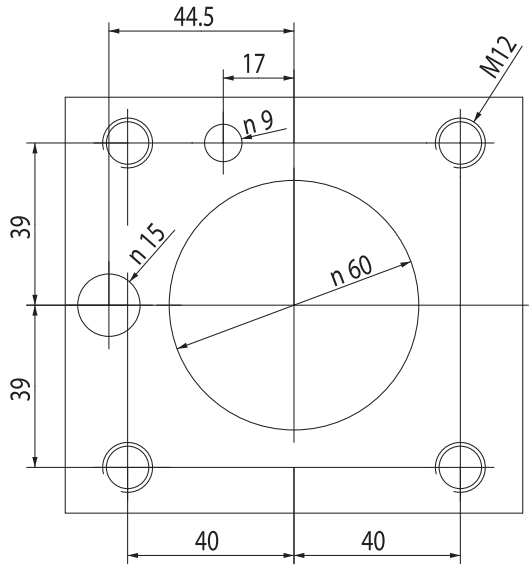


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06601	60	32	no	right/left	70	103.8	91	38	94	49	70	6000	1:1	-
124-06602	60	32	yes	right/left	70	103.8	91	38	94	49	70	6000	1:1	20

OKUMA - BMT60

LB4000 EX M

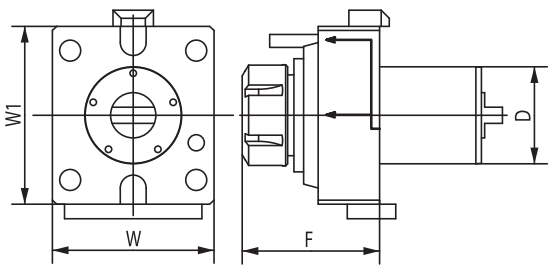
CONNECTION TURRET OKUMA BMT60



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF
PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL
TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА
轴向钻铣头

OKUMA BMT60

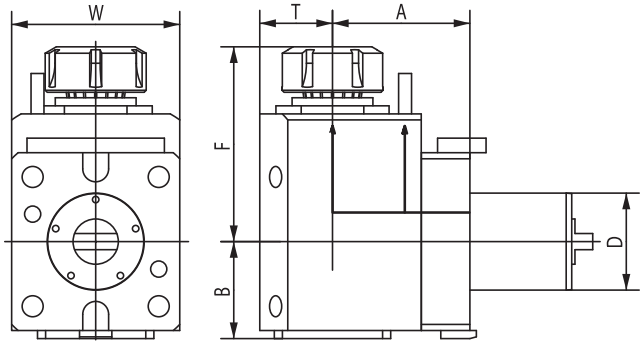


CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06009	60	ER40	no	82	100	110	80	6000	1:1	-
124-06010	60	ER40	yes	82	100	110	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

OKUMA BMT60

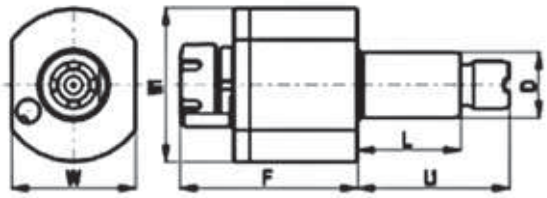


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06011	60	ER40	no	right/left	85	64	121	44	100	80	6000	1:1	-
124-06012	60	ER40	yes	right/left	85	64	121	44	100	80	6000	1:1	20
124-06014	60	ER40	yes	right/left	85	64	121	44	100	80	6000	1:1	80

AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

STEPPED - OKUMA

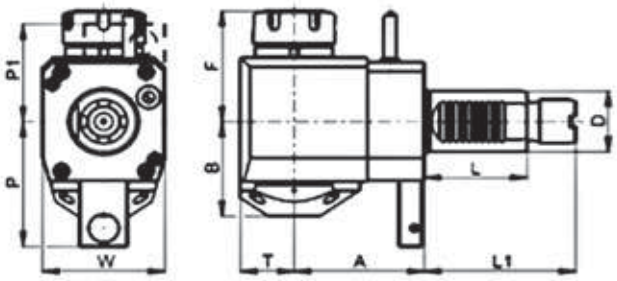


CODE N.	D	TOOLGRIP	INTERNAL COOLING	F	L	L1	W	W1	TORQUE Nm	SPEED rpm	RATIO	P BAR
116-43031	30	ER25	no	87	55	69	64	68	28	6000	1:1	-
116-43032	30	ER25	yes	87	55	69	64	68	28	6000	1:1	20
116-44098	40	ER25	no	105	63	93	80	86	50	6000	1:1	-
116-44099	40	ER25	yes	105	63	93	80	86	50	6000	1:1	20
116-54001	40	ER32	no	108	63	93	80	86	50	6000	1:1	-
116-54002	40	ER32	yes	108	63	93	80	86	50	6000	1:1	20
116-54003	40	ER25	no	105	63	101	80	86	50	6000	1:1	-
116-54004	40	ER25	yes	105	63	101	80	86	50	6000	1:1	20
116-54005	40	ER32	no	108	63	101	80	86	50	6000	1:1	-
116-54006	40	ER32	yes	108	63	101	80	86	50	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

STEPPED - OKUMA



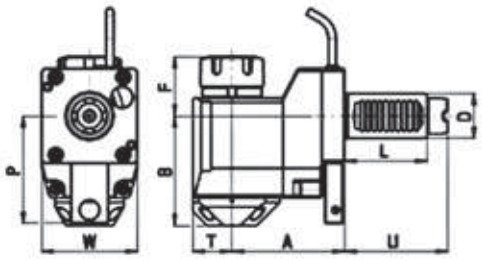
CODE N.	D	TOOLGRIP	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W
116-43033	30	ER25	no	right	85	48	63	55	69	-	29	64
116-43034	30	ER25	yes	right	85	51	63	55	69	-	29	64
116-43035	30	ER25	no	left	55	48	63	55	69	72	29	64
116-43036	30	ER25	yes	left	55	51	63	55	69	72	29	64
116-54007	40	ER25	no	left	80	59	70	63	93	82	36	75
116-54008	40	ER25	yes	left	80	62	70	63	93	82	36	75
116-54009	40	ER32	no	left	80	59	74	63	93	82	36	75
116-54010	40	ER32	yes	left	80	62	74	63	93	82	36	75
116-54011	40	ER25	no	left	80	59	70	63	101	82	36	75
116-54012	40	ER25	yes	left	80	62	70	63	101	82	36	75
116-54013	40	ER32	no	left	80	59	74	63	101	82	36	75
116-54014	40	ER32	yes	left	80	62	74	63	101	82	36	75
116-54015	40	ER25	no	right	80	59	70	63	93	-	36	75
116-54016	40	ER25	yes	right	80	62	70	63	93	-	36	75
116-54017	40	ER32	no	right	80	59	74	63	93	-	36	75
116-54018	40	ER32	yes	right	80	62	74	63	93	-	36	75

ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE ARRETRATO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

STEPPED - OKUMA



CODE N.	D	TOOLGRIP	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	TORQUE Nm	SPEED rpm		P BAR
116-43038	30	ER25	no	left	75	71	40	55	69	72	29	64	28	6000	1:1	-
116-43039	30	ER25	yes	left	75	74	40	55	69	72	29	64	28	6000	1:1	20
116-48001	40	ER25	no	left	120	92	37	63	93	82	36	75	50	6000	1:1	-
116-48002	40	ER25	yes	left	120	95	37	63	93	82	36	75	50	6000	1:1	20
116-48003	40	ER32	no	left	120	92	41	63	93	82	36	75	50	6000	1:1	-
116-48004	40	ER32	yes	left	120	95	41	63	93	82	36	75	50	6000	1:1	20
116-48005	40	ER25	no	left	120	92	37	63	101	82	36	75	50	6000	1:1	-
116-48006	40	ER25	yes	left	120	95	37	63	101	82	36	75	50	6000	1:1	20
116-48007	40	ER32	no	left	120	92	41	63	101	82	36	75	50	6000	1:1	-
116-48008	40	ER32	yes	left	120	95	41	63	101	82	36	75	50	6000	1:1	20

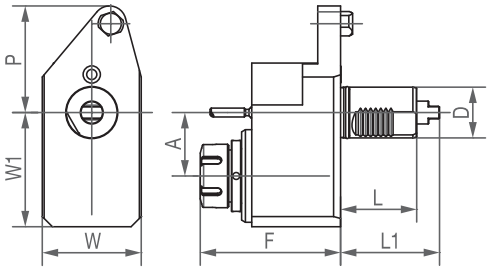
ON REQUES AVAILABLE INTERNAL COOLANT 80 BAR

MAZAK QTN 100/150

AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 轴向钻铣头

MAZAK

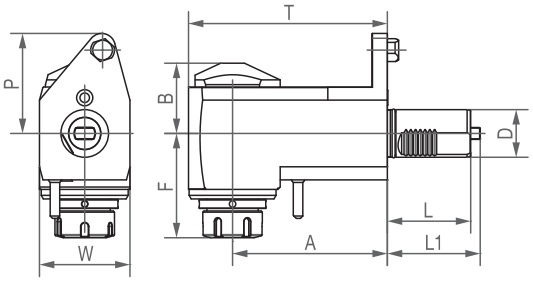


CODE N.	D	ER	INTERNAL COOLANT	F	A	L	L1	P	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	I	P bar
116-54053	40	ER32	no	110,6	50	60	61	84	78	90	50	6000	1:1	_
116-54054	40	ER32	no	110,6	50	60	61	84	78	90	14	12000	1:2	_
116-54055	40	ER32	no	110,6	50	60	61	84	78	90	40	3000	2:1	_
116-54056	40	ER32	yes	110,6	50	60	61	84	78	90	50	6000	1:1	20
116-54057	40	ER32	yes	110,6	50	60	61	84	78	90	14	12000	1:2	20
116-54058	40	ER32	yes	110,6	50	60	61	84	78	90	40	3000	2:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

MAZAK



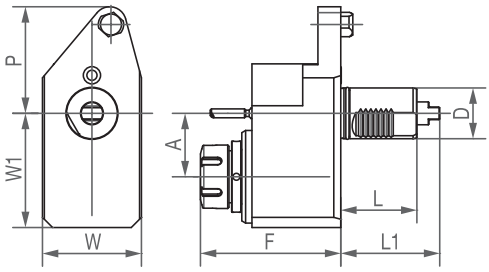
CODE N.	D	ER	INTERNAL COOLANT	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	I	P bar
116-54049	40	ER32	no	right	100	59	87,6	60	61	79	137	76	50	6000	1:1	_
116-54050	40	ER32	no	left	100	59	87,6	60	61	79	137	76	50	6000	1:1	_
116-54051	40	ER32	yes	right	100	62	87,6	60	61	79	137	76	50	6000	1:1	20
116-54052	40	ER32	yes	left	100	62	87,6	60	61	79	137	76	50	6000	1:1	20

MAZAK QTN 200/250

AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 轴向钻铣头

MAZAK

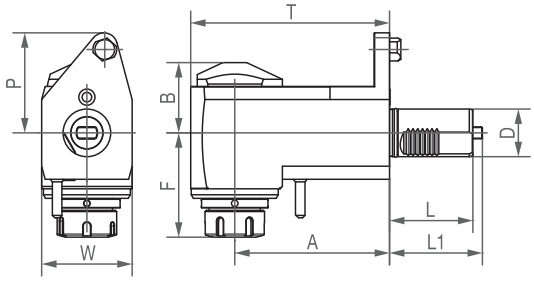


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	F	A	L	L1	P	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	I	P bar
116-54019	40	ER32	no	110,6	50	60	78	84	78	90	50	6000	1:1	-
116-54044	40	ER32	yes	110,6	50	60	78	84	78	90	50	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

MAZAK

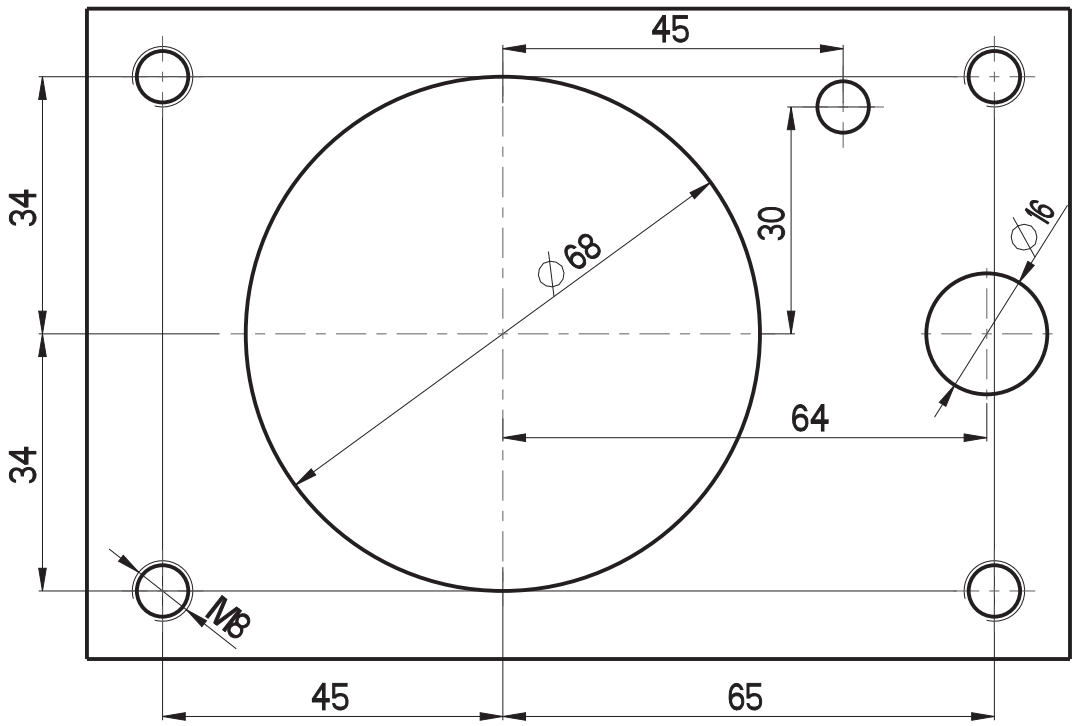


CODE N.	D	CLAMPING APPLICATION	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	I	P bar
116-54020	40	ER32	no	right	130	62	87,6	70	78	84	167	76	50	6000	1:1	-
116-54040	40	ER32	no	left	130	62	87,6	70	78	84	167	76	50	6000	1:1	-
116-54041	40	ER32	yes	right	130	62	87,6	70	78	84	167	76	50	6000	1:1	20
116-54042	40	ER32	yes	left	130	62	87,6	70	78	84	167	76	50	6000	1:1	20

MAZAK BMT68

QTC/QTU 100-350 M/MY/MS/MSY
QT/QTS 100-250 M/MY//MS/MSY
QT 200-250 M/MY//MS/MSY (16D)

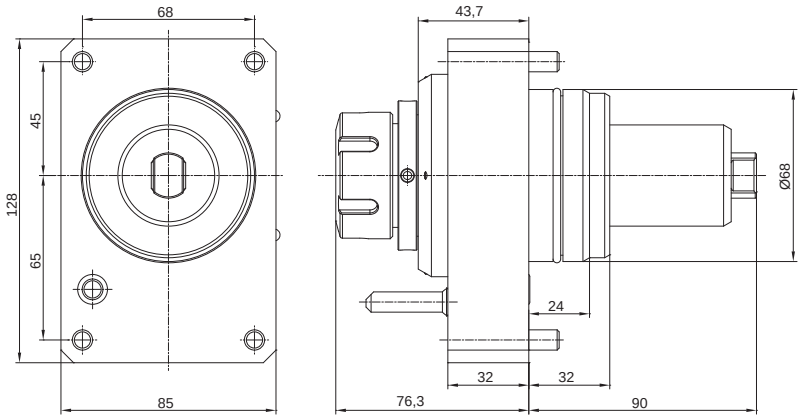
CONNECTION TURRET MAZAK BMT68



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

MAZAK BMT68



CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06805	ER32	12000	1:1	70	no	-
124-06806	ER32	12000	1:1	70	yes	20

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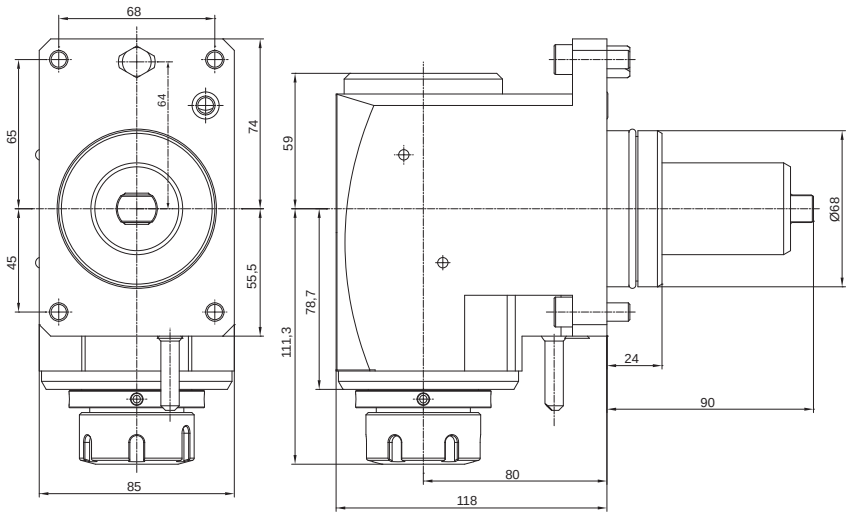
RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

MAZAK BMT68



CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06807	ER32	6000	1:1	70	no	-
124-06808	ER32	6000	1:1	70	yes	20
124-06809	ER32	6000	1:1	70	yes	80

DMG MORI SEIKI / CMZ

CL 200/203 - SL 20/25 - SL 203/204/250/253
SL 254 (MC, SMC)/2500Y - SL 203MC
SL 253MC - ZL 200MC - ZL 250SMC
SL 204SMC - SL 300MC

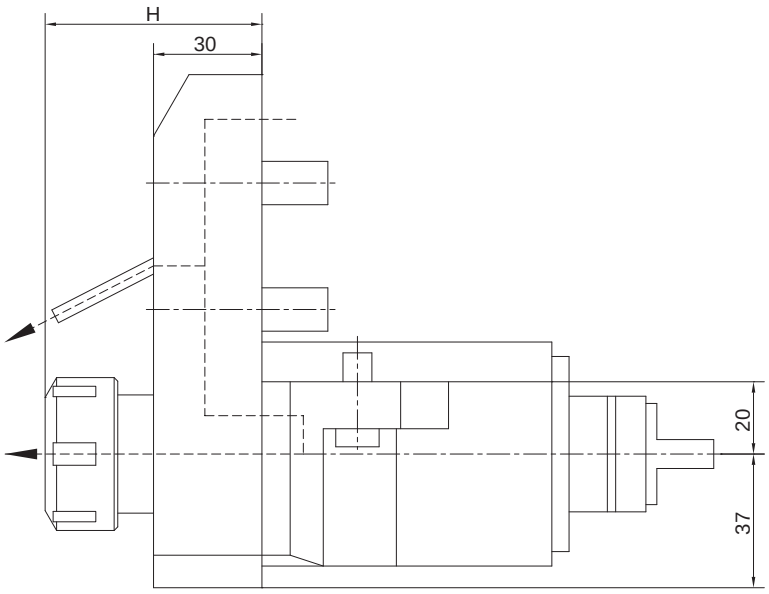
TBI 520 - TL 20/25
TC 15/20/25/30/35 - TA 15M/Y/MS/MY/YS
TA 20M/Y/MS/MY/YS - TA 25M/Y/MS/MY/YS
TA 30M/Y/MS/MY/YS - TD 15/20/25/30/35/45
TD 55M/Y/MS/MY/YS

CONNECTION TURRET
DMG CMZ

AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

DMG MORI SEIKI CMZ

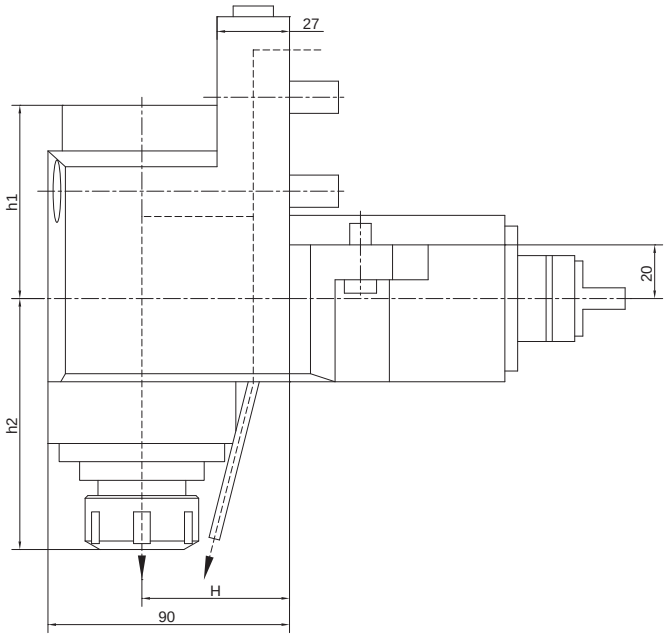


CODE N.	ER	H	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00001	ER32	55.5-60	6000	1:1	70	no	-
124-00002	ER32	55.5-60	6000	1:1	70	yes	80

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

DMG MORI SEIKI CMZ

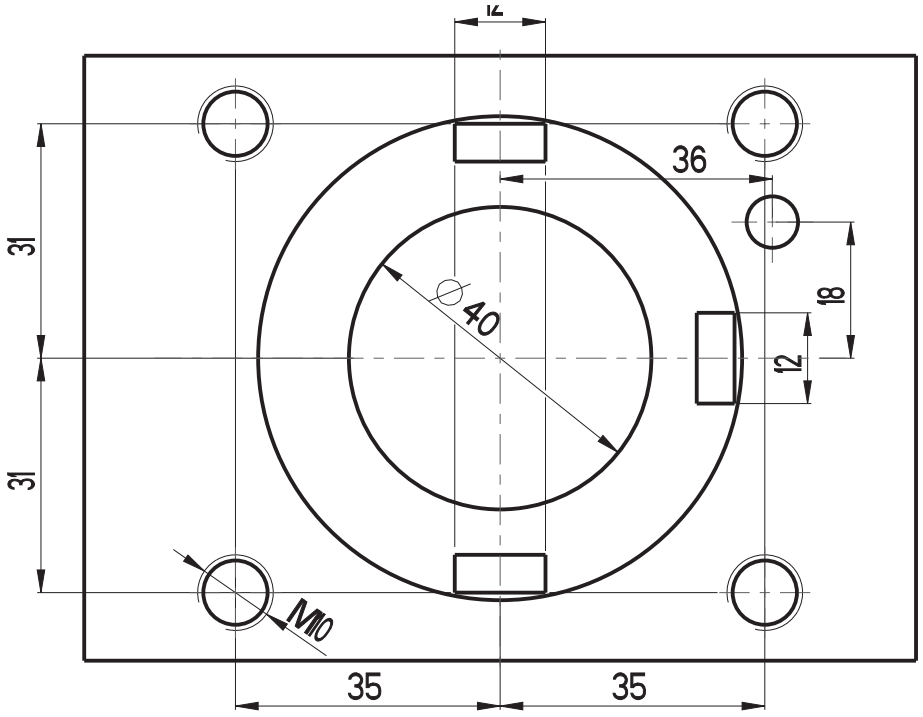


CODE N.	ER	H	h1	h2	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00003	ER32	55	57	89-93.5	6000	1:1	70	no	-
124-00004	ER32	55	72	89-93.5	6000	1:1	70	yes	80

DMG MORI SEIKI BMT40

NZ 1500/2000/3100
NZ / NTZ 1000/2000/3000/3100/3150/3200
NZ / NZX 2000/2500 (16 station turret)
NL / NLX 1500/2000/2500 (20 station turret)
DURATURN 2050/2550 MC
LTX310ECO-BMT

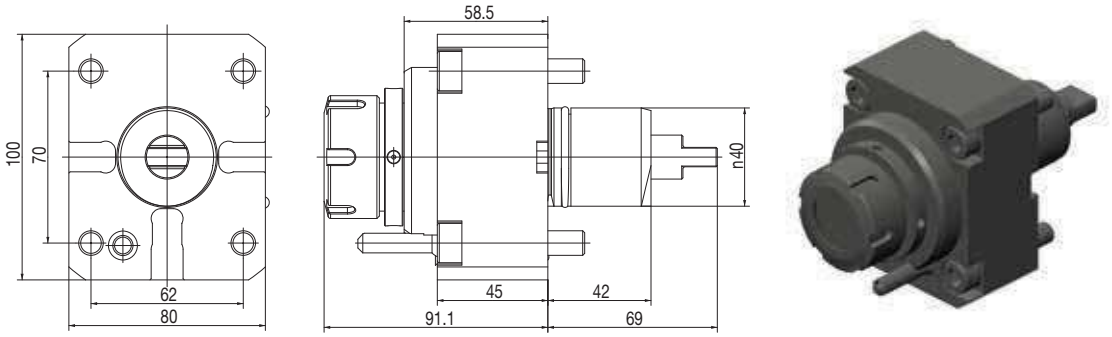
CONNECTION TURRET DMG MORI BMT40



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

DMG MORI BMT40



CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P bar
124-04005	ER32	12000	1:1	50	no	-
124-04006	ER32	12000	1:1	50	yes	20

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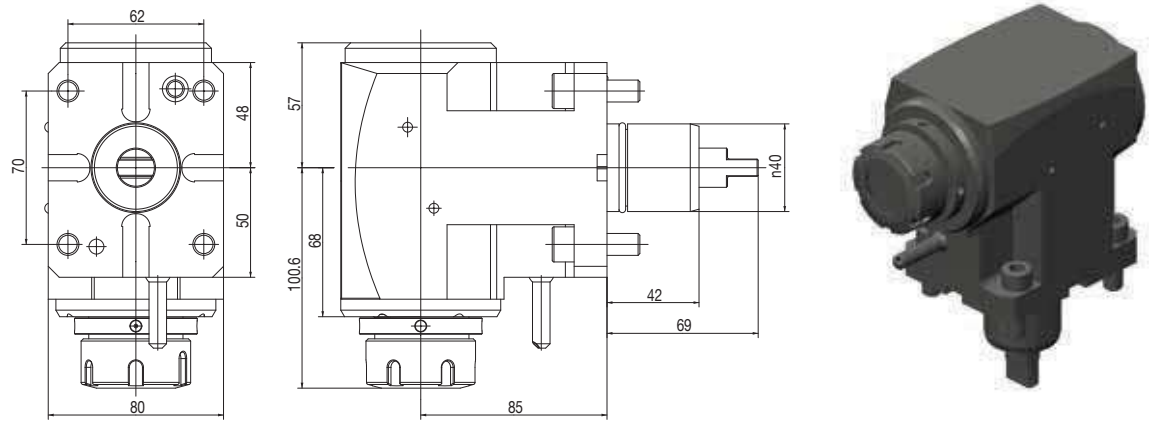
RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

DMG MORI BMT40

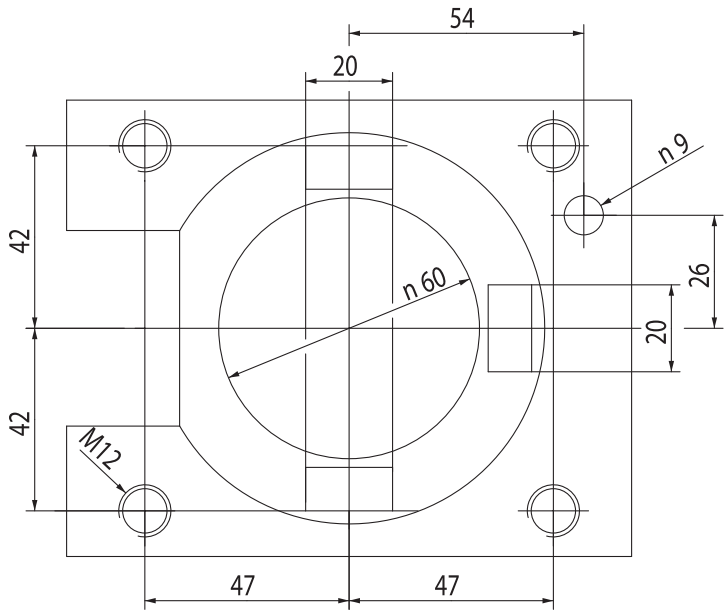


CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P bar
124-04007	ER32	6000	1:1	50	no	-
124-04008	ER32	6000	1:1	50	yes	20
124-04009	ER32	6000	1:1	50	yes	80

MORI SEIKI SEIKI BMT60

DURATURN 2050/2550MC (16 stazioni)
NLX1500 (12 stazioni) - NLX2000
NLX2500 - NLX3000 - NLX4000
NL2000 (S)MC - 2500 (S)MC
NL3000MC (12 STATIONS)
NRX2000MC (10 STATIONS)
NT3100 - NT3200
NT3250 - NT4200 - NT4250
NT4300 - NT5400 - NZL2500
NT4000 - NT5000
NZL 2000/2500
NZX 2500 (station turret)
NTX 1000/2000/2500/3000
2ND GEN. 10ST. - (TX2500 BMT60)
NZ/NZX 1500/2000 (16/20 STATIONS)
TAKISAWA TM-2000Y2

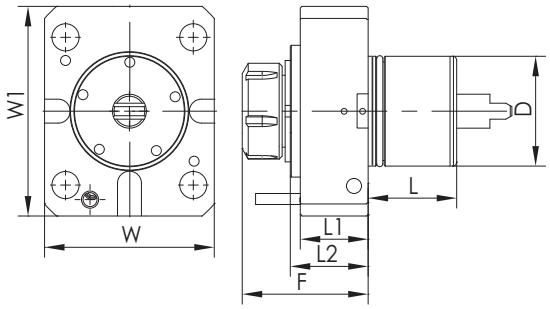
CONNECTION TURRET MORI SEIKI BMT60



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

MORI SEIKI NL2000



CODE N.	ER	D	F	L	L1	L2	W	W1	TORQUE (Nm)	Nmax (rpm)	I	INTERNAL COOLING	P (bar)
124-06001	ER32	60	89	53	48,5	58	108	130	70	6000	1:1	no	-
124-06003	ER32	60	89	53	48,5	58	108	130	70	6000	1:1	yes	20

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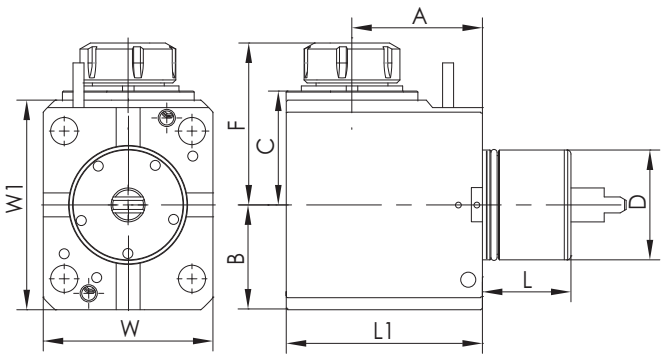
RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

MORI SEIKI NL2000

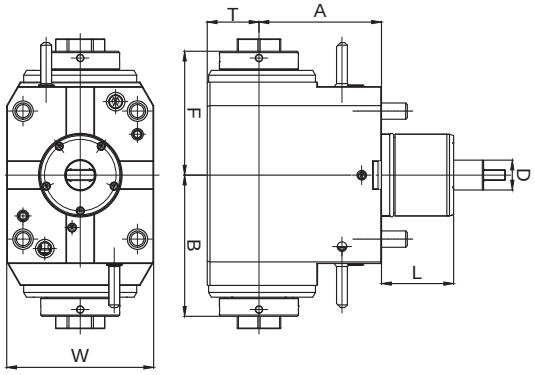


CODE N.	ER	D	F	L	L1	A	B	C	W	W1	TORQUE (Nm)	Nmax (rpm)	I	INTERNAL COOLING	P (bar)
124-06002	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	no	-
124-06004	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	yes	20
124-06015	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	yes	80

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF
PORTAHERRAMIENTAS MOTORIZADAS RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА
PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
TÊTE DE PERÇAGE ET FRAISAGE RADIAL
径向钻铣头

DOUBLE MORI SEIKI

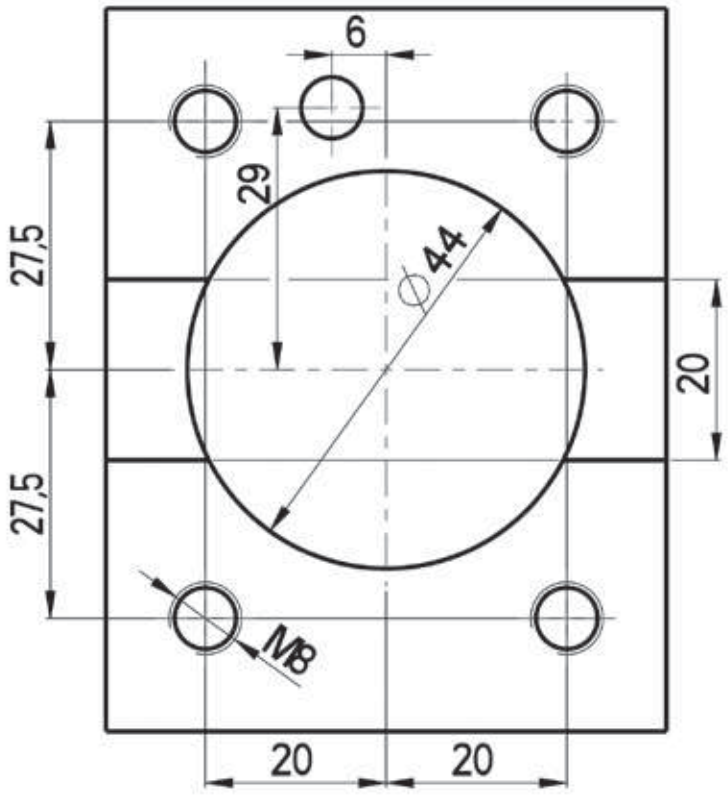


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06603	60	32	no	right/left	90	103.8	91	38	108	53	70	6000	1:1	-
124-06604	60	32	yes	right/left	90	103.8	91	38	108	53	70	6000	1:1	20

NAKAMURA-TOME - BMT44

NTY3/ SUPER NTMX/NTMXL / WT100
MURATA MURATEC MT100
WY-100II / NTJ100

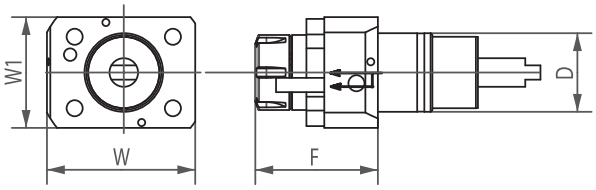
CONNECTION TURRET NAKAMURA-TOME BMT44



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 轴向钻铣头

NAKAMURA-TOME

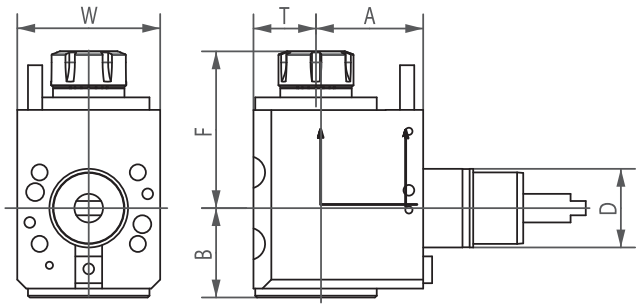


CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-04401	44	ER25	no	68.6	83	62	40	6000	1:1	-
124-04402	44	ER25	yes	68.6	83	62	40	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

NAKAMURA-TOME



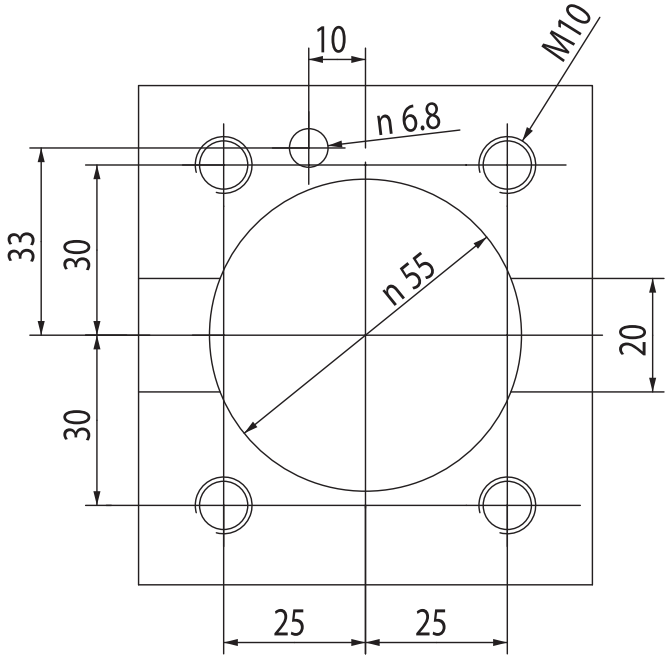
CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-04403	44	ER25	no	right/left	60	50,3	87,8	35	80	28	6000	1:1	-
124-04404	44	ER25	yes	right/left	60	50,3	87,8	35	80	28	6000	1:1	20
124-04405	44	ER25	yes	right/left	60	50,3	87,8	35	80	28	6000	1:1	80

NAKAMURA-TOME - BMT55

AS-200 / NTM 3 / NTY3-250
SC-150M / SC-200MY / SC-250M / SuperNTJ
TMC-20 II M/ML / TW-10 / TW-20
WT-20 II M/MY / WT150/200 / WT-250
WTS-150 / WTW-150/160 / WT200 II (M,MY)WY-250

CMZ TX52/66 / SUPER NTJ/NTM3 / SC150/250
TX52 Y3-Y2 QUATTRO-Y2 TW IN
TX66 Y3-Y2 QUATTRO-Y2 TW IN
TTL 52 / TTL 66
TA15-20-25-30M/Y/MS/MY/YS 15ST

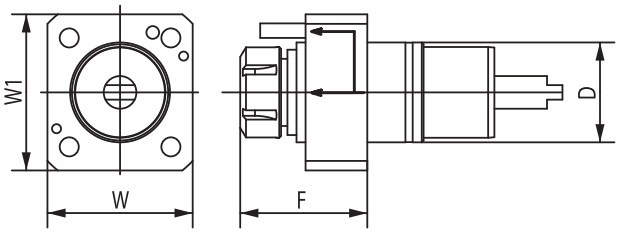
CONNECTION TURRET NAKAMURA-TOME BMT55



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL | TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 轴向钻铣头

NAKAMURA-TOME

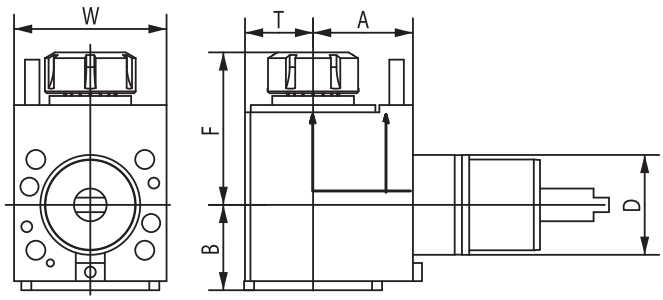


CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-05507	55	ER25	no	78	80	86	50	6000	1:1	-
124-05508	55	ER25	yes	78	80	86	50	6000	1:1	20
124-05529	55	ER32	no	78	80	86	50	6000	1:1	-
124-05530	55	ER32	yes	78	80	86	50	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF | PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL | TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА | 径向钻铣头

NAKAMURA-TOME

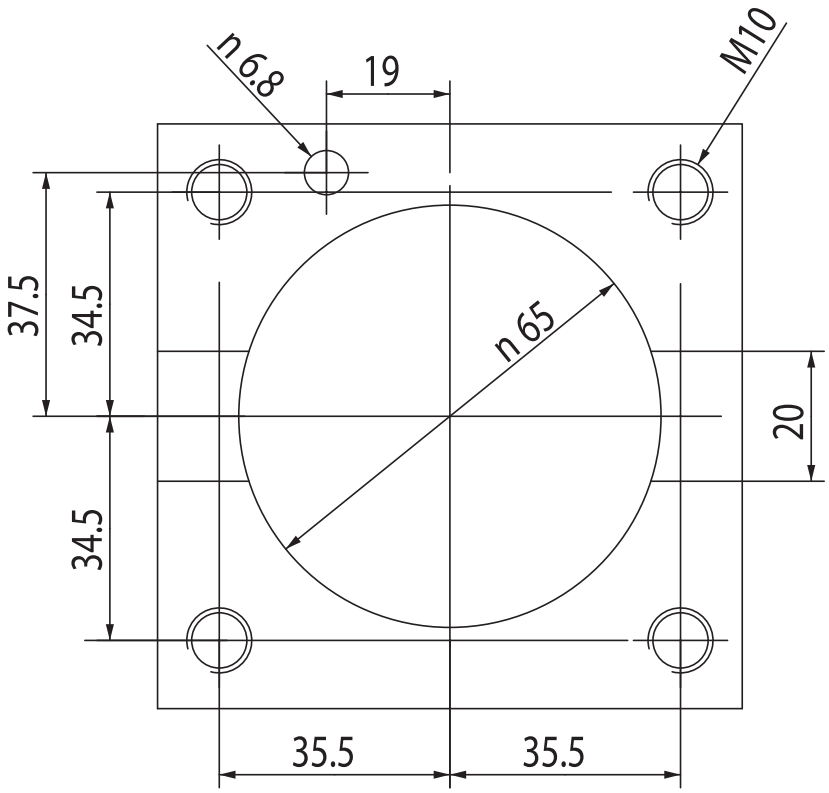


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-05509	55	ER25	no	right/left	55	50,3	74,8	35	84	28	6000	1:1	-
124-05510	55	ER25	yes	right/left	55	50,3	74,8	35	84	28	6000	1:1	20
124-05517	55	ER25	yes	right/left	55	50,3	74,8	35	84	28	6000	1:1	80

NAKAMURA-TOME - BMT65

NAKAMURA-TOME WT300 / SC300 / TW20
TMC-200M / TMC-300M / SUPER NTX
TW20M / MY / MM / MMY / MMYY (12 stations)
TW30M / MY / MM / MMY / MMYY (16 stations)

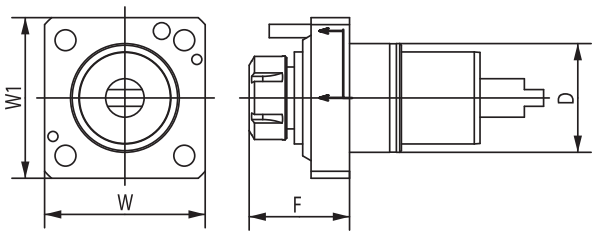
CONNECTION TURRET NAKAMURA-TOME BMT65



AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 轴向钻铣头

NAKAMURA-TOME

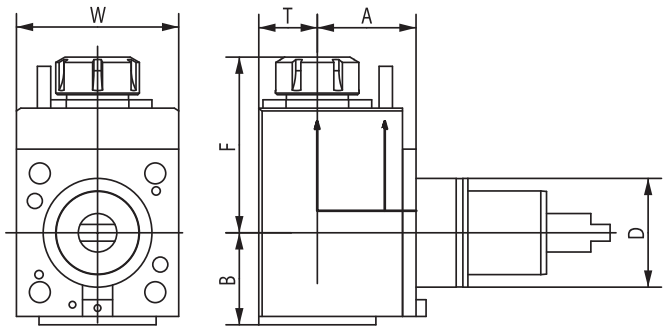


CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06504	65	ER32	no	75	96	96	70	6000	1:1	-
124-06505	65	ER32	yes	75	96	96	70	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

NAKAMURA-TOME



CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06506	65	ER32	no	right/left	65	59	110	38	96	70	6000	1:1	-
124-06507	65	ER32	yes	right/left	65	59	110	38	96	70	6000	1:1	20
124-06523	65	ER32	yes	right/left	65	59	110	38	96	70	6000	1:1	80

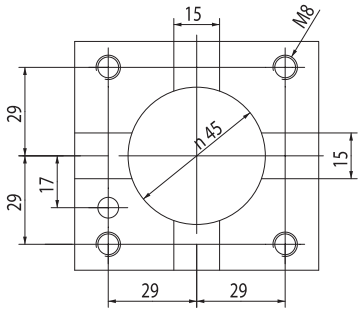
DOOSAN - BMT45-BMT55-BMT65

DOOSAN BMT45

DOOSAN
LYNX 2100MA/220 (LMSA,LMSC)
220 (LSYA,LSYC), 220 (M,LM)
LYNX 220 (MA,LMA,MC,LMC)
220 (YA,YC,LYA,LYC)
PUMA MX1600 (T,ST)

HARDINGE
BMT45

SMEC
PL1600 (M,CM)



CONNECTION TURRET DOOSAN BMT45

DOOSAN BMT55

DOOSAN
LYNX 300 (M)
PUMA 1500/2000/2500 (M,S,Y)
PUMA 2100 (Y,LY,SY,LSY)
PUMA 2100/2600/3100 M/Y/MS/SY
PUMA 230/240/280 (M,LM,S)
PUMA GT2100M
PUMA H250TM
PUMA MX2100 (ST/LST)
PUMA TL2000/2500 (M,LM)

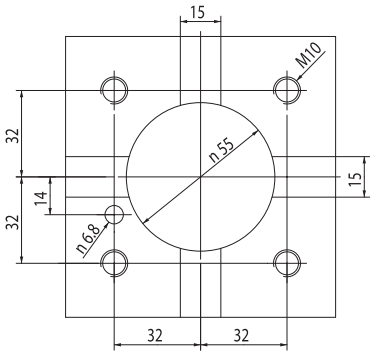
HARDINGE
BMT55

HWACHEON
CUTEX-160

SMEC/SAMSUNG
SL 20MC

HYUNDAI WIA
SKT-180TTSY

VICTOR
VTURN-A16/A20 (YSCM)



CONNECTION TURRET DOOSAN BMT55

DOOSAN BMT65

DOOSAN
PUMA 2100/2600 (M,LM,MS,LMS)
PUMA 2100/2600 (Y,LY,SY,LSY)
PUMA 300 (M,MS,MB,MC)
PUMA 3100 (M,LM,LY,XLM,XLY,ULM,ULY)
PUMA MX2000/2500
PUMA MX2600 (T,ST)
PUMA TT2500 (MS/SY)
PUMA V400 (M)
PUMA VT450 (M,2SP)

HWACHEON
CUTEX-240
HI-TECH200/T2-Series
HI-TECH300/400
VT-450

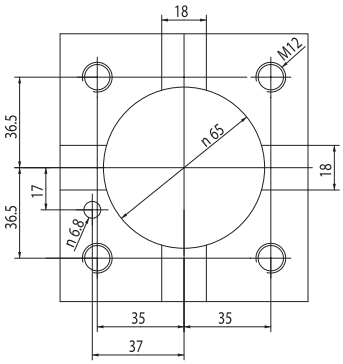
HYUNDAI WIA
L2100SY
SKT-200/250TTSY
SKT-250/300 (L,M)
SKT-250/300 (MS)

MAXSIN
BMT65

SMEC/SAMSUNG
SL 25 / SL35

TONGTAI
TMT2000

VICTOR
VTURN-A26 (YSCM)

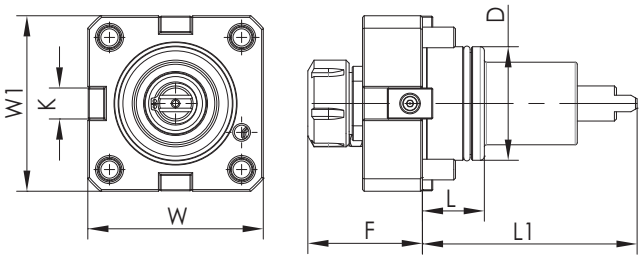


CONNECTION TURRET DOOSAN BMT65

AXIAL DRILLING AND MILLING HEAD

AXIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO ASSIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL TÊTE DE PERÇAGE ET FRAISAGE
АКСИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 轴向钻铣头

BMT

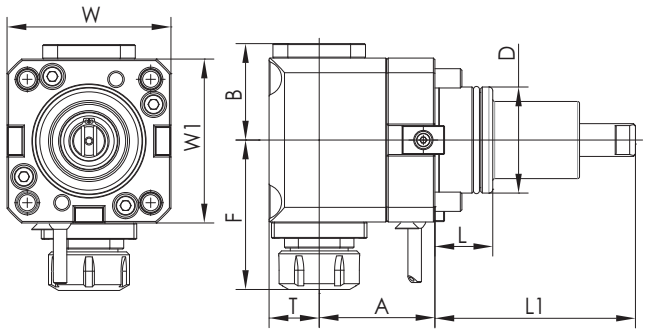


CODE N.	BMT	ER	D	F	K	L	L1	W	W1	MAX: SPEED (Rpm)	I	MAX: TORQUE Nm	INTERNAL COOLING
124-04501	45	ER25	45	67,6	15	40	84	78,5	75	6000	1:1	50	no
124-04502	45	ER25	45	67,6	15	40	84	78,5	75	6000	1:1	50	yes
124-05501	55	ER25	55	71	15	30	104	85	85	6000	1:1	50	no
124-06509	55	ER25	55	71	15	30	104	85	85	6000	1:1	50	yes
124-06518	55	ER32	55	71	15	30	104	85	85	6000	1:1	50	yes
124-06501	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	no
124-06508	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	yes

RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

BMT

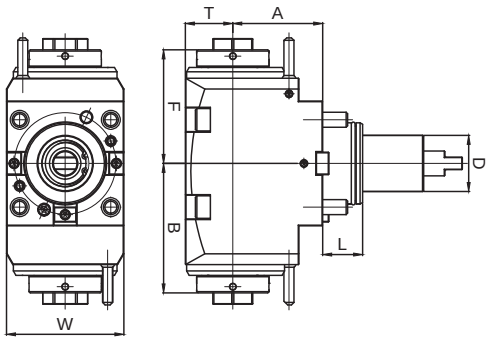


CODE N.	BMT	ER	D	A	B	F	L	L1	T	W	W1	MAX: SPEED (Rpm)	I	MAX: TORQUE Nm	INTERNAL COOLING	P BAR
124-04503	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	no	-
124-04504	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	yes	20
124-05502	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	no	-
124-06510	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	yes	20
124-06519	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	yes	80
124-05511	55	ER25	55	85	57	98	30	104	36.5	85	98	6000	1:1	50	no	-
124-05512	55	ER25	55	85	57	98	30	104	36.5	85	98	6000	1:1	50	yes	20
124-06520	55	ER25	55	85	57	98	30	104	36.5	85	98	6000	1:1	50	yes	80
124-05513	55	ER32	55	85	57	101	30	104	36.5	85	98	6000	1:1	50	no	-
124-05514	55	ER32	55	85	57	101	30	104	36.5	85	98	6000	1:1	50	yes	20
124-06502	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	no	-
124-06512	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	yes	20
124-06521	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	yes	80
124-06513	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	no	-
124-06514	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	yes	20
124-06522	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	yes	80

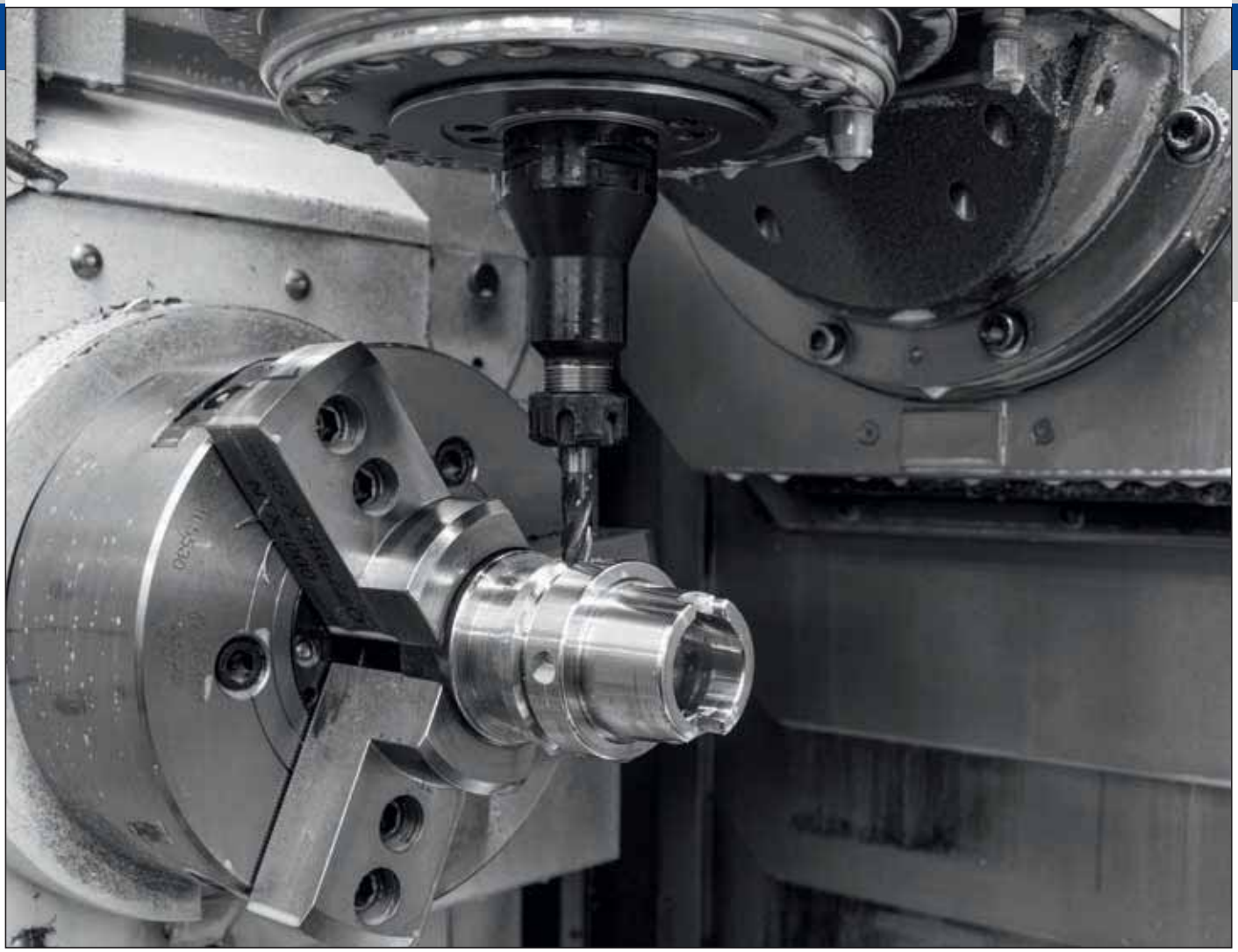
RADIAL DRILLING AND MILLING HEAD

RADIAL BOHR- UND FRÄSKOPF PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
PORTAHERRAMIENTAS MOTORIZADAS RADIAL TÊTE DE PERÇAGE ET FRAISAGE RADIAL
РАДИАЛЬНАЯ СВЕРЛИЛЬНО-ФРЕЗЕРНАЯ ГОЛОВКА 径向钻铣头

DOUBLE DOOSAN

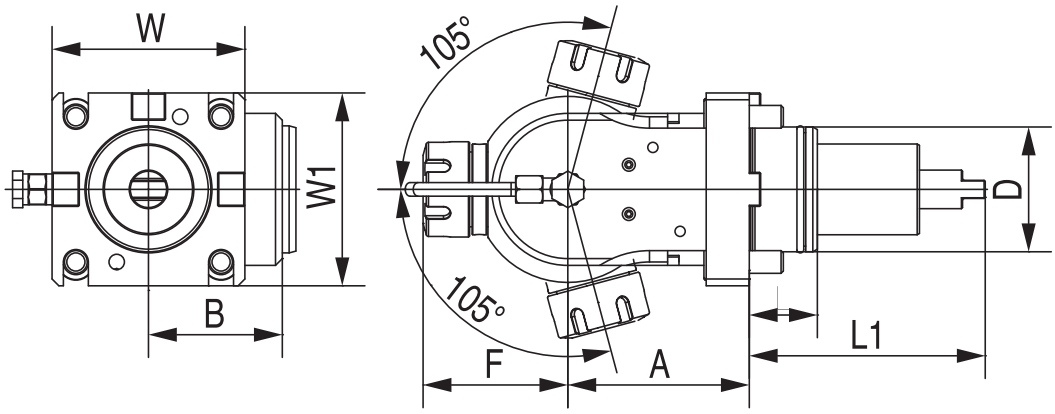


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06605	65	32	no	right/left	72	103.8	91	38	94	32	70	6000	1:1	-
124-06606	65	32	yes	right/left	72	103.8	91	38	94	32	70	6000	1:1	20



DOOSAN-BMT - VARIABLE ANGLE

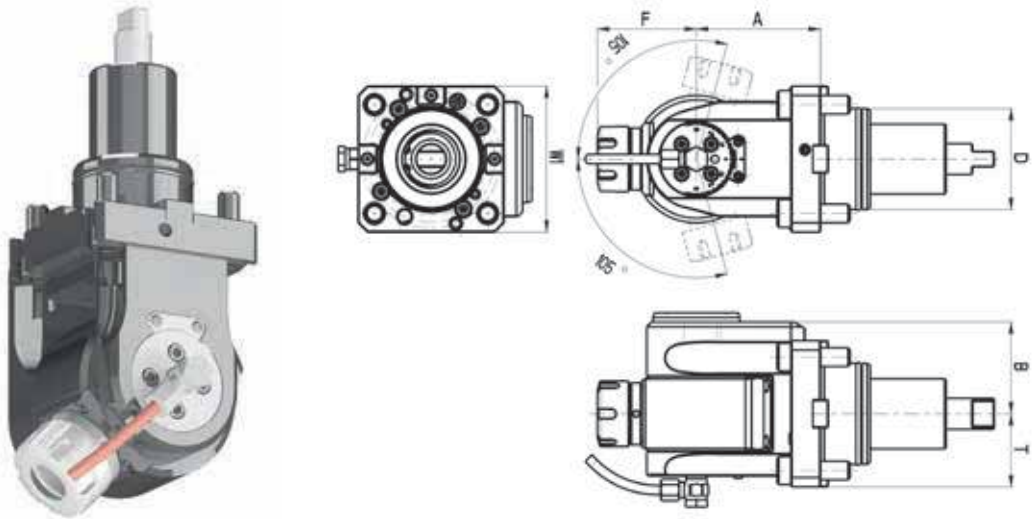
DOOSAN-BMT - BMT55 / BMT65



AXIAL-RADIAL DRILLING AND MILLING HEAD

AXIAL-RADIAL BOHR-UND FRASKOPF
PORTAUTENSILE MOTORIZZATO ASSIALE-RADIALE
PORTAHERRAMIENTAS MOTORIZADAS AXIAL-RADIAL
TÉTE DE PERCAGE ET FRAISAGE AXIAL-RADIAL
АКСИАЛЬНО-РАДИАЛЬНАЯ ПРИВОДНАЯ ГОЛОВКА ДЛЯ СВЕРЛ И ФРЕЗ
轴-径向钻铣头

BMT 55/65



CODE N.	BMT	ER	D	A	B	F	L	L1	W	W1	MAX: SPEED (Rpm)	I	MAX: TORQUE Nm	INTERNAL COOLING	P BAR
124-05515	55	ER25	55	80	59	63,8	30	104	85	85	6000	1:1	16	no	-
124-05516	55	ER25	55	80	59	63,8	30	104	85	85	6000	1:1	16	yes	20
124-06516	65	ER25	65	80	59	63,8	32	112	94	94	6000	1:1	16	no	-
124-06517	65	ER25	65	80	59	63,8	32	112	94	94	6000	1:1	16	yes	20

KINTEK®

TOOLHOLDERS FOR CNC LATHES

PORTAUTENSILI PER TORNI CNC

www.kintek.it

TOOLHOLDERS FOR CNC LATHES

PORTAUTENSILI PER TORNI CNC

WERKZEUGHALTER FÜR CNC-DREHEMASCHINEN

PORTAHERRAMIENTAS PARA TORNOS CNC

PORTE-OUTILS POUR TOURS CNC

РЕЗЦЕДЕРЖАТЕЛИ ДЛЯ ТОКАРНЫХ СТАНКОВ С ЧПУ

数控车床刀柄

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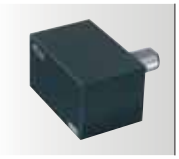
SPARE PARTS	pagg.	**354-361**
ACCESSORIES	pagg.	**362-371**

DIN 69880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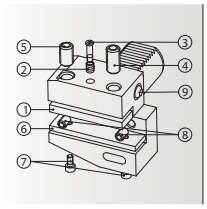

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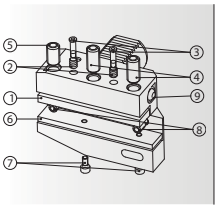

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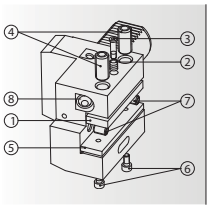

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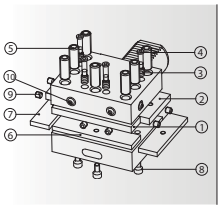

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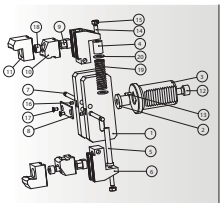

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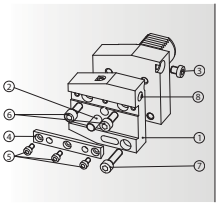

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KINTEK®

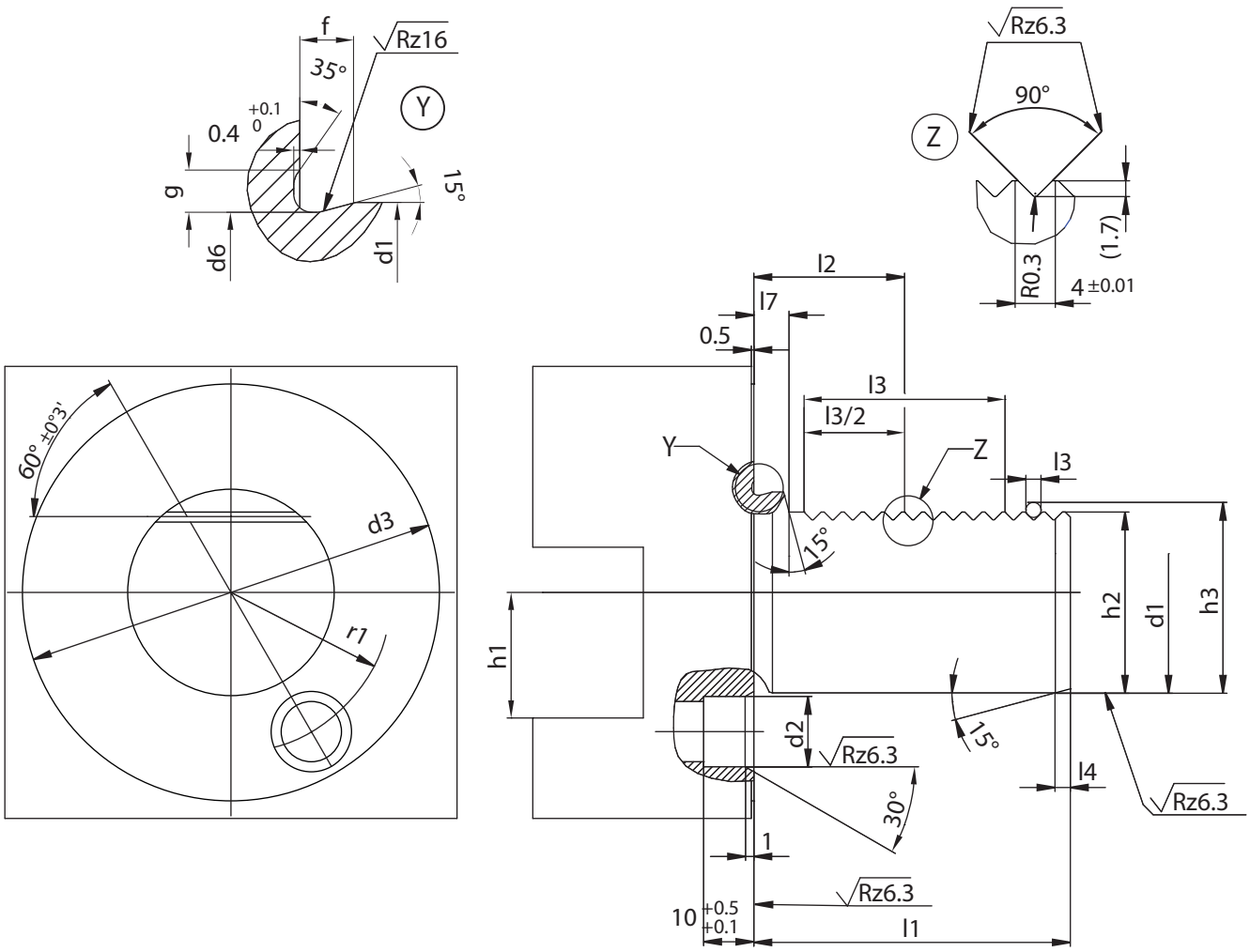
COMPONENTI INNOVATIVI TECNOMECCANICI

DIN 69880

TOOL HOLDER WITH PARALLEL SHANK, TECHNICAL SPECIFICATIONS

WERKZEUGHALTER, ZYLINDERSCHAFT, TECHNISCHE HINWEISE
PORTAHERRAMIENTAS CON MANGO CILINDRICO, CARACTERISTICAS TECNICAS
КОНСТРУКТИВНЫЕ РАЗМЕРЫ РЕЗЦЕДЕРЖАТЕЛЕЙ С ХВОСТОВИКОМ VDI
PORTAUTENSILI CON CODOLO CILINDRICO SPECIFICHE TECNICHE
PORTE-OUTIL AVEC QUEUE CYLINDRIQUE SPECIFICATIONS TECNIQUES
平行刀柄技术规格

DIN 69880



d1 h6	l1 ±0.3	d2	d3	d6 _0.1	f	g	h1 max.	h2 ±0.1	h3 ±0.1	l2 ±0.05	l3 min.	l4 +1	l7	r1 ±0.02	o-ring
16	32	8 H6	40	15.4	2.0	1.7	12	15	16.92	12.7	16	2	3.5	14.5	15x1,5
20	40	10 H6	50	19.1	2.4	2	16	18	19.92	21.7	24	2	7	18	18,77x1,78
25	48	10 H6	58	24.1	2.4	2	16	23.5	25.42	21.7	24	2	7	21	23,52x1,78
30	55	14 H8	68	29.1	2.4	2	20	27	28.92	29.7	40	2	7	25	28,3x1,78
40	63	14 H8	83	38.7	3.7	2.8	25	36	37.92	29.7	40	3	7	32	37,77x2,62
50	78	16 H8	98	48.7	3.7	2.8	32	45	46.92	35.7	48	3	8	37	47,29x2,62
60	94	16 H8	123	58.7	4.3	3.7	32	55	56.92	43.7	56	4	10	48	56,74x3,53
80	124	20 H8	158	78.7	4.3	3.7	40	72	73.92	59.7	80	4	10	65	75,79x3,53

O-ring included in radial VDI
O-ring incluso nei VDI radiali
O-Ring incluidos en los VDI radiales
O-Ring inbegriffen in den radialen VDI
O-ring inclus dans les VDI radials
В поставку с радиальным держателем включено кольцо
O 令包含在径向 VDI 中

TOOLHOLDERS WITH CYLINDRICAL SHANK VDI — TECHNICAL FEATURES

All Kintek toolholders are manufactured according to DIN 69880.
CYLINDRICAL SHANK'S TOLERANCE - According to the class IT6 (h6)
COLLET CHUCK'S RUNOUT ACCURACY
- The norm DIN 69880-6 permits a runout error of 0,02 for DIN 6499 and DIN 6388 collet chucks
- Manufactured with casehardening steel with hardness HRC 58+-2, strenght 800-1000 N/mm2
- Internal diameters, shank and toothing are completely grinding finished

PORTAUTENSILI CON CODOLO CILINDRICO VDI — DATI TECNICI

Tutti i portautensili KINTEK vengono prodotti secondo le normative DIN 69880
TOLLERANZA DEL GAMBO CILINDRICO - Prodotti in classe IT6 (h6)
COASSIALITÀ PORTAPINZA
- La normativa DIN 69880-6 ammette un errore massimo di 0,02 sia per i portapinze DIN6499 che DIN 6388
- Costruiti in acciaio con durezza HRC 58+-2 resistenza 800-1000 N/ mm2
- Finitura di rettifica, interna, esterna, dentatura e nelle filettature delle ghiere chiudipinza

STEILKEGELAUFNAHMEN MIT VDI-ZYLINDRISCHEM SCHAFT — TECHNISCHE DATEN

Alle Kintek-Steilkegelaufnahmen werden nach den din 69880-Normen angefertigt.
TOLERANZEN VOM ZYLINDRISCHEN SCHAFT - In Klasse IT6 (h6) angefertigt.
RUNDLAUFGENAUIGKEIT DER SPANNZANGENGENAUFNAHME
- Die DIN 69880-6 Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel Spannzangensitz von 0,02 vor
- Aus Stahl mit Härte HRC 58 +-2, Festigkeit 800-1000 N/mm2 angefertigt
- Inneres, äußeres Schleifen, auch an der Verzahnung und am Gewinde der Spannzangenmutter

PORTAHERRAMIENTAS CON MANGO CILINDRICO VDI — CARACTERISTICAS TECNICAS

Todos los conos portaherramientas KINTEK son fabricados de acuerdo con las normativas DIN 69880
TOLERANCIA DEL MANGO CILINDRICO - Producidos en clase IT6 (h6)
CONCENTRICIDAD DE LOS PORTAPINZAS
- La normativa DIN69880-6 permite un error máximo de 0,02 tanto para los portapinzas DIN6499 como para los DIN6388
- Fabricados en acero con dureza HRC 58 +- 2, resistencia 800-1000N/mm2
- Rectificados en la parte anterior, interior, en el dentado y en el roscado de las tuercas de cierre

PORTE-OUTILS AVEC TIRETTE CILINDRIQUE VDI — DONNEES TECHNIQUES

Tous les porte-outils Kintek sont fabriqués selon les normes DIN
(qui prevoient les memes classes de tolérance pour les attachements DIN 69880).
TOLERANCE DE LA QUEUE CILINDRIQUE - Fabriqués en classe IT6 (h6)
COAXIALITÉ PORTE-PINCE
- La norme DIN 69880-6 admet une erreur de 0,02 maximun soit pour les porte-pinces DIN6499 que DIN6388
- Produits en acier cémenté allié avec dureté HRC 58+-2 résistence 800-1000 N/mm2
- Finition de rectification intérieur, extérieur, denture

РЕЗЦЕДЕРЖАТЕЛИ С ХВОСТОВИКОМ VDI — ТЕХНИЧЕСКОЕ ОПИСАНИЕ

Все резцедержатели Kintek изготовлены согласно DIN 69880
ТОЧНОСТЬ ХВОСТОВИКА - Соответствует классу IT6 (H6)
БИЕНИЕ ЦАНГОВЫХ ПАТРОНОВ
- В соответствие с нормами DIN 69880-6 биение цанговых патронов DIN 6499 и DIN 6388 составляет 0,02
- Изготовлены из стали с последующей цементацией, твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Все внутренние диаметры, хвостовик и насечки отшлифованы

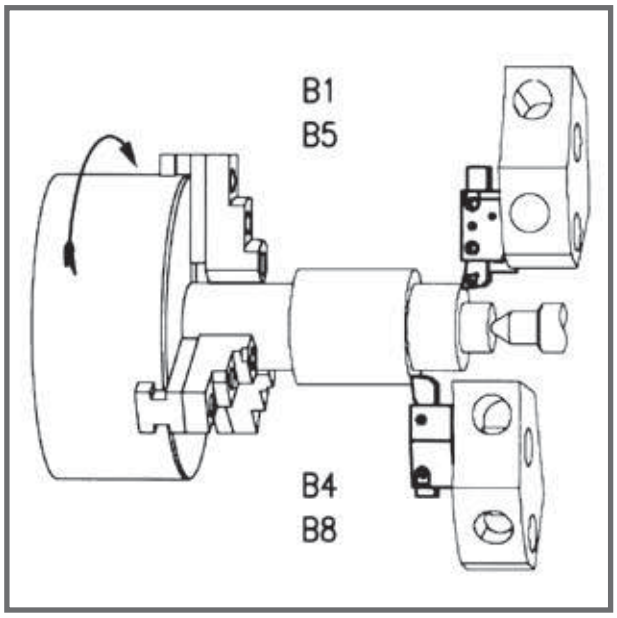
圆柱VDI刀柄 — 技术特点

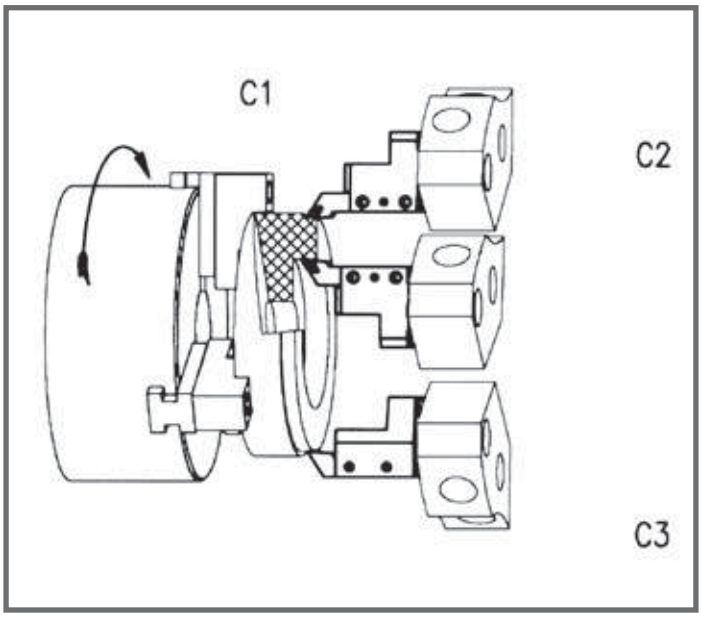
所有 **KINTEK** 刀柄均是根据 **DIN69880** 标准制造的。
圆柱柄的误差 - 依据 IT6 (H6) 等级
弹簧夹头的径向跳动精度
- DIN 69880-6 标准允许 DIN 6499 和 DIN 6388 弹簧夹头的径向跳动误差为 0.02。
- 用表面硬化钢材制造，硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- 内径、柄和齿间均完全经过打磨处理

USE OF TOOLHOLDERS WITH CLOCKWISE SPINDLE ROTATION

ANWENDUNG VON WERKZEUGHALTERN MIT RECHTSLAUF
USO DE LOS PORTAHERRAMIENTAS CON ROTACION HORARIA DEL PLATO
ПРИМЕНЕНИЕ РЕЗЦЕДЕРЖАТЕЛЕЙ ПРИ ВРАЩЕНИИ ДЕТАЛИ ПО ЧАСОВОЙ СТРЕЛКЕ
IMPIEGO DI PORTAUTENSILI CON ROTAZIONE ORARIA DEL MANDRINO
EMPLOI DE PORTE-OUTILS AVEC ROTATION HORAIRE DE LA BROCHE
轴逆时针旋转的刀柄的使用

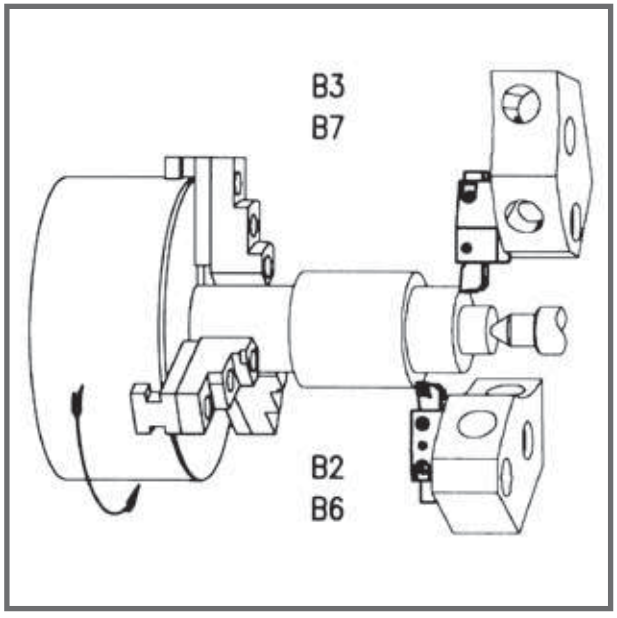
DIN 69880

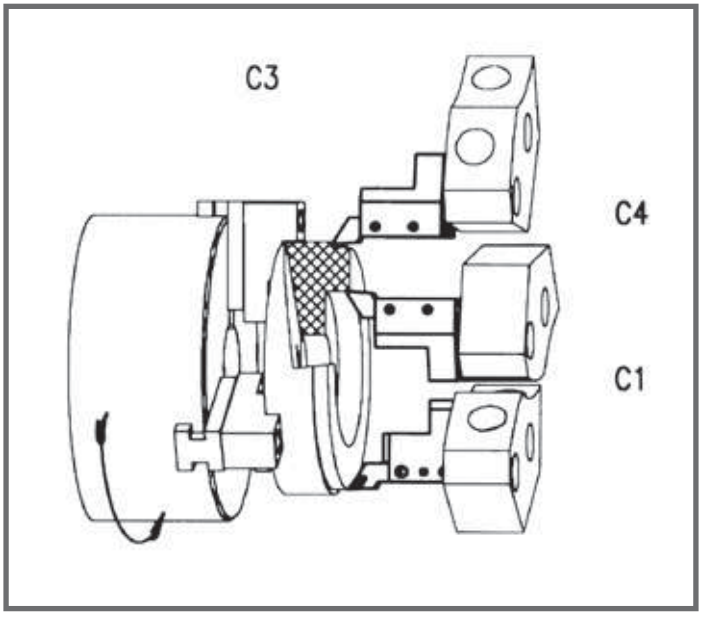


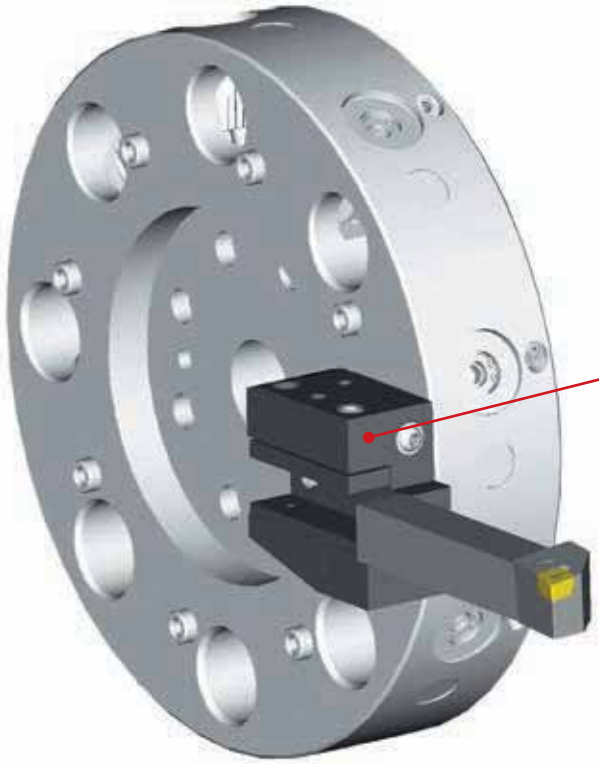


USE OF TOOLHOLDERS WITH COUNTERCLOKWISE SPINDLE ROTATION

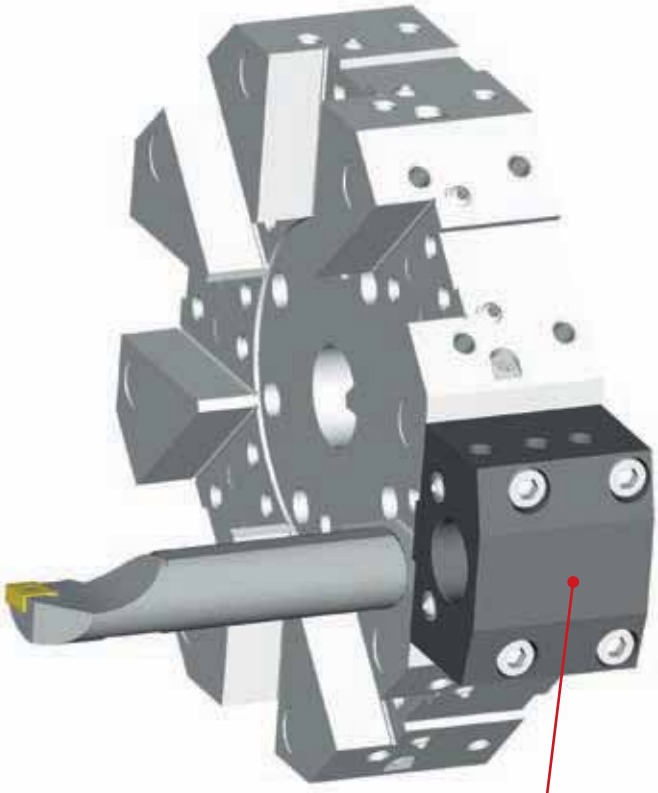
ANWENDUNG VON WERKZEUGHALTERN MIT LINKSLAUF
USO DE LOS PORTAHERRAMIENTAS CON ROTACION ANTIHORARIA DEL PLATO
ПРИМЕНЕНИЕ РЕЗЦЕДЕРЖАТЕЛЕЙ ПРИ ВРАЩЕНИИ ДЕТАЛИ ПРОТИВ ЧАСОВОЙ СТРЕЛКИ
IMPIEGO DI PORTAUTENSILI CON ROTAZIONE ANTIORARIA DEL MANDRINO
EMPLOI DE PORTE-OUTILS AVEC ROTATION ANTIHORAIRE DE LA BROCHE
带逆时针旋转 的刀柄用法





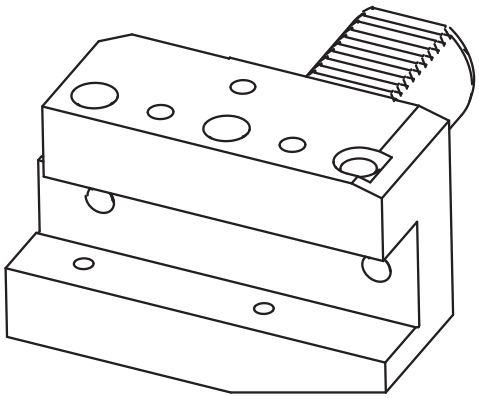


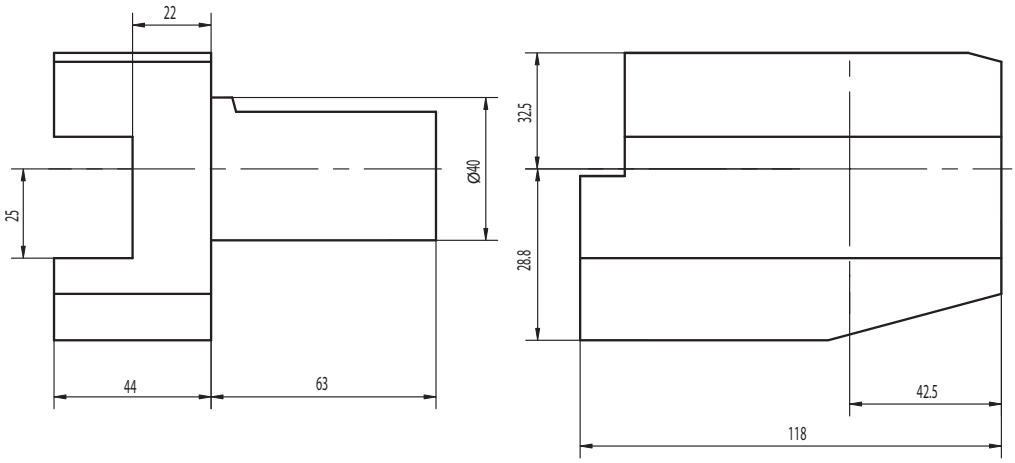
B1-40X25X44



PU1-25X32

115-54061





On request we can send you general layouts in dxf format with the relative dimensions.

Sono disponibili a richiesta i disegni di massima in formato dxf con relative quote di ingombro.

Auf Anfrage sind Dispositionszeichnungen im dxf-Format mit entsprechenden Massen verfügbar.

Están disponibles a petición los planos generales en formato dxf con los relativos tamaños

Sur demande les dessins d'avant-projet en format dxf sont disponibles avec les relatives cotes.

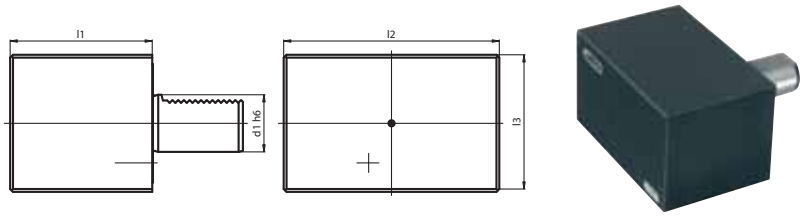
По запросу мы готовы выслать Вам общий чертеж в формате dxf с соответствующими размерами.

如有要求，我们可以发送DXF格式的带有相关参数的总体设计。

RECTANGULAR BLANK FOR SPECIAL VERSIONS

VIERKANT-ROHLING FÜR SONDERAUSFÜHRUNGEN
PORTAHERRAMIENTAS SEMIACABADO RECTANGULAR
ПРИЗМАТИЧЕСКИЕ ЗАГОТОВКИ ДЛЯ СПЕЦИАЛЬНЫХ РЕЗЦЕДЕРЖАТЕЛЕЙ
PORTAUTENSILE PER VERSIONI SPECIALI RETTANGOLARE
EBAUCHE RECTANGULAIRE POUR VERSIONS SPECIALES
专用矩形柄

DIN 69880 - A1

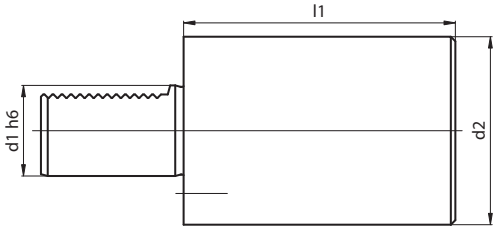


CODE N.	d1	l1	l2	l3
A1-30x85	30	85	130	76
A1-40x100	40	100	151	96
A1-50x125	50	125	160	120
A1-60x160	60	160	165	125

ROUND BLANK FOR SPECIAL VERSIONS

ZYLINDER-ROHLING FÜR SONDERAUSFÜHRUNGEN
PORTAHERRAMIENTAS SEMIACABADO REDONDO
ЦИЛИНДРИЧЕСКИЕ ЗАГОТОВКИ ДЛЯ СПЕЦИАЛЬНЫХ РЕЗЦЕДЕРЖАТЕЛЕЙ
PORTAUTENSILE PER VERSIONI SPECIALI ROTONDO
EBAUCHE CYLINDRIQUE POUR VERSIONS SPECIALES
专用圆形柄

DIN 69880 - A2

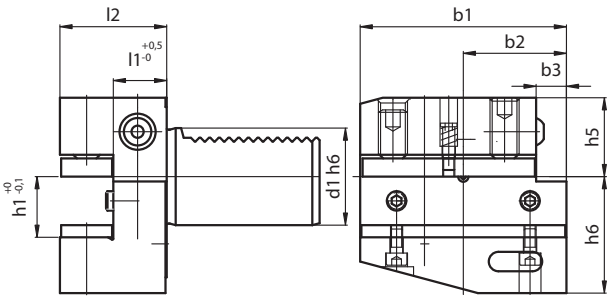


CODE N.	d1	d2	l1
A2-25x200	25	58	200
A2-30x100	30	68	100
A2-30x240	30	68	240
A2-40x120	40	83	120
A2-40x320	40	83	320
A2-50x135	50	98	135
A2-50x400	50	98	400
A2-60x150	60	123	150

RADIAL HOLDER, RH, SHORT

RADIAL WERKZEUGHALTER, RECHTS, KURZ
PORTAHERRAMIENTAS RADIAL, DCH, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПРАВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, DX CORTO
PORTE-OUTIL RADIAL DROIT, COURT
径向刀柄，RH，短的

DIN 69880 - B1



CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B1-16x12x24	16	42	23	5	12	20	22	13	24
B1-20x16x30	20	55	30	7	16/12	25	30	16	30
B1-30x20x40	30	70	35	10	20/16	28	38	22	40
B1-30x20x60	30	70	35	10	20/16	28	38	42	60
B1-40x25x44	40	85	42.5	12.5	25/20	32.5	48	22	44
B1-50x32x55	50	100	50	16	32/25	35	60	30	55
B1-60x32x60	60	125	62.5	16	32/25	42.5	62.5	30	60

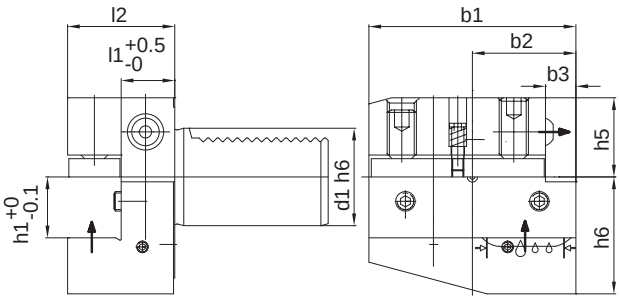
Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

RADIAL HOLDER, RH, SHORT

RADIAL WERKZEUGHALTER, RECHTS, KURZ
PORTAHERRAMIENTAS RADIAL, DCH, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПРАВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.

PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, DX CORTO
PORTE-OUTIL RADIAL DROIT, COURT
径向刀柄，RH，短的

DIN 69880 - B2



Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

DIN 69880-B1

IC

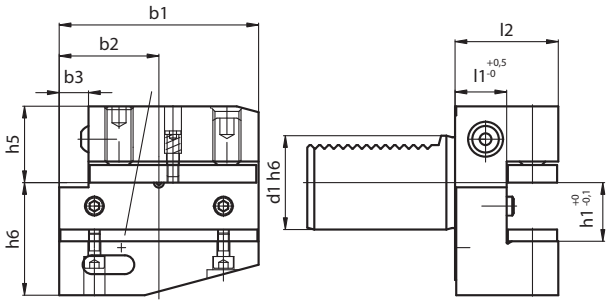
CODE N.	D1	b1	b2	b3	h1	h5	h6	l1	l2
B1-30x20x40-IC	30	70	35	10	20	28	38	22	40
B1-40x25x44-IC	40	85	42.5	12.5	25	32.5	48	22	44

RADIAL HOLDER, LH, SHORT

RADIAL WERKZEUGHALTER, LINKS, KURZ
PORTAHERRAMIENTAS RADIAL, IZD, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ЛЕВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.

PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, SX CORTO
PORTE-OUTIL RADIAL GAUCHE, COURT
径向刀柄，LH，短的

DIN 69880 - B2



Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

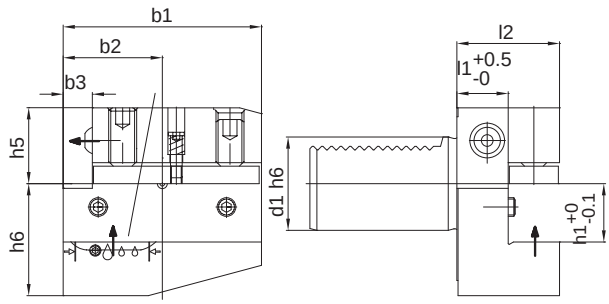
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B2-20x16x30	20	55	30	7	16/12	25	30	16	30
B2-30x20x40	30	70	35	10	20/16	28	38	22	40
B2-30x20x60	30	70	35	10	20/16	28	38	42	60
B2-40x25x44	40	85	42.5	12.5	25/20	32.5	48	22	44
B2-50x32x55	50	100	50	16	32/25	35	60	30	55
B2-60x32x60	60	125	62.5	16	32/25	42.5	62.5	30	60

RADIAL HOLDER, LH, SHORT

RADIAL WERKZEUGHALTER, LINKS, KURZ
PORTAHERRAMIENTAS RADIAL, IZD, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ЛЕВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.

PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, SX CORTO
PORTE-OUTIL RADIAL GAUCHE, COURT
径向刀柄，LH，短的

DIN 69880 - B2



Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

DIN 69880-B2

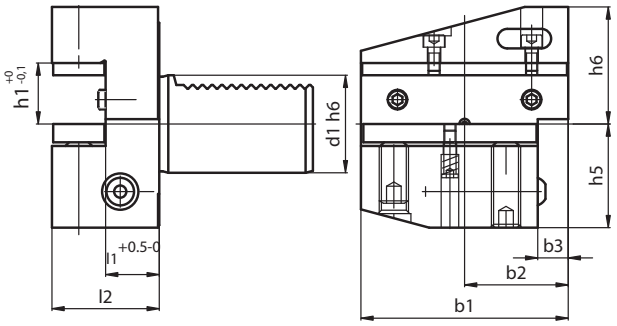
IC

CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B2-30x20x40-IC	30	70	35	10	20	28	38	22	40
B2-40x25x44-IC	40	85	42.5	12.5	25	32.5	48	22	44

RADIAL HOLDER, UPSIDE-DOWN, RH, SHORT

RADIAL WERKZEUGHALTER, ÜBERKOPF LINKS, KURZ
PORTAHERRAMIENTAS RADIAL, INVERTIDO, DCH, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ ПРАВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, ROVESCIATO DX CORTO
PORTE-OUTIL RADIAL RENVERSE, DROIT, COURT
径向柄，倒置， RH，短

DIN 69880 - B3



CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B3-20x16x30	20	55	30	7	16/12	25	30	16	30
B3-20x16x40	20	55	30	7	16/12	25	30	26	40
B3-30x20x40	30	70	35	10	20/16	35	38	22	40
B3-40x25x44	40	85	42.5	12.5	25/20	42.5	48	22	44
B3-50x32x55	50	100	50	16	32/25	50	60	30	55
B3-60x32x60	60	125	62.5	16	32/25	62.5	62.5	30	60

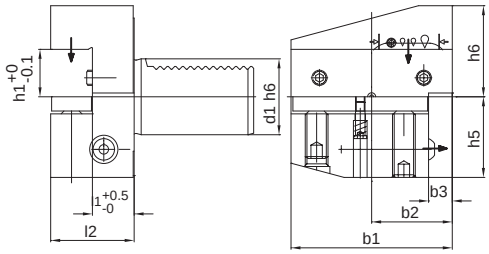
Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

RADIAL HOLDER, UPSIDE-DOWN, RH, SHORT

RADIAL WERKZEUGHALTER, ÜBERKOPF LINKS, KURZ
PORTAHERRAMIENTAS RADIAL, INVERTIDO, DCH, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ ПРАВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, ROVESCIATO DX CORTO
PORTE-OUTIL RADIAL RENVERSE, DROIT, COURT
径向柄，倒置， RH，短

DIN 69880 - B3

DIN 69880-B3
IC



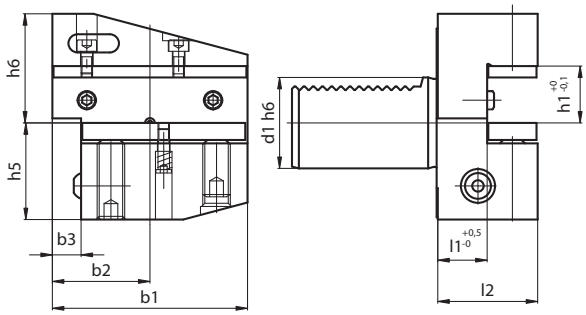
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B3-30x20x40-IC	30	70	35	10	20	35	38	22	40
B3-40x25x44-IC	40	85	42.5	12.5	25	42.5	48	22	44

Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

RADIAL HOLDER, UPSIDE-DOWN, LH, SHORT

RADIAL WERKZEUGHALTER, ÜBERKOPF LINKS , KURZ
PORTAHERRAMIENTAS RADIAL, INVERTIDO, IZD, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ ЛЕВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, ROVESCIATO SX CORTO
PORTE-OUTIL RADIAL RENVERSE, GAUCHE, COURT
径向柄，倒置， LH，短

DIN 69880 - B4



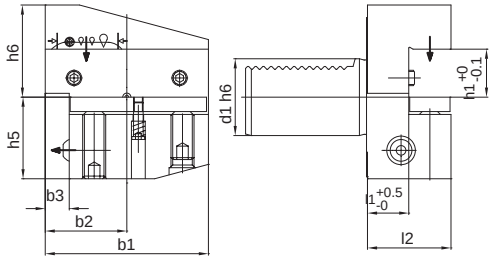
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B4-30x20x40	30	70	35	10	20/16	35	38	22	40
B4-40x25x44	40	85	42.5	12.5	25/20	42.5	48	22	44
B4-50x32x55	50	100	50	16	32/25	50	60	30	55
B4-60x32x60	60	125	62.5	16	32/25	62.5	62.5	30	60

Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

RADIAL HOLDER, UPSIDE-DOWN, LH, SHORT

RADIAL WERKZEUGHALTER, ÜBERKOPF LINKS , KURZ
PORTAHERRAMIENTAS RADIAL, INVERTIDO, IZD, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ ЛЕВЫЕ. КОРОТКОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, ROVESCIATO SX CORTO
PORTE-OUTIL RADIAL RENVERSE, GAUCHE, COURT
径向柄，倒置，LH，短

DIN 69880 - B4



DIN 69880-B4

IC

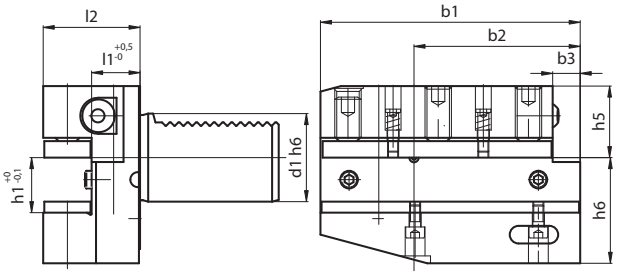
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B4-30x20x40-IC	30	70	35	10	20	35	38	22	40
B4-40x25x44-IC	40	85	42.5	12.5	25	42.5	48	22	44

Spare parts on page 356 - Vedi ricambi a pag. 356 - Ver las piezas de repuesto a la pág. 356
S. Ersatzteile auf Seite 356 - Voyez les pièces détachées à la page 356
Запасные части на стр. 356 - 附件部分见 356 页

RADIAL HOLDER, RH, LONG

RADIAL WERKZEUGHALTER, RECHTS, LANG
PORTAHERRAMIENTAS RADIAL, DCH, LARGO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПРАВЫЕ. ДЛИННОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, DX LUNGO
PORTE-OUTIL RADIAL, DROIT, LONG
径向柄，倒置，RH，长

DIN 69880 - B5



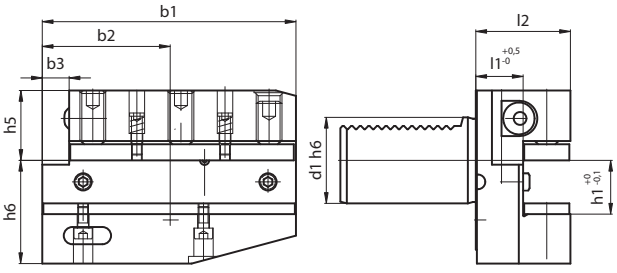
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B5-30x20x40	30	100	65	10	20/16	28	38	22	40
B5-40x25x44	40	118	75.5	12.5	25/20	32.5	48	22	44
B5-50x32x55	50	130	80	16	32/25	35	60	30	55
B5-60x32x60	60	145	82.5	16	32/25	42.5	62.5	30	60

Spare parts on page 357 - Vedi ricambi a pag. 357 - Ver las piezas de repuesto a la pág. 357
S. Ersatzteile auf Seite 357 - Voyez les pièces détachées à la page 357
Запасные части на стр. 357 - 附件部分见 357 页

RADIAL HOLDER, LH, LONG

RADIAL WERKZEUGHALTER, LINKS, LANG
PORTAHERRAMIENTAS RADIAL, IZD, LARGO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ЛЕВЫЕ. ДЛИННОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, SX LUNGO
PORTE-OUTIL RADIAL, GAUCHE, LONG
径向柄，倒置，LH，长

DIN 69880 - B6



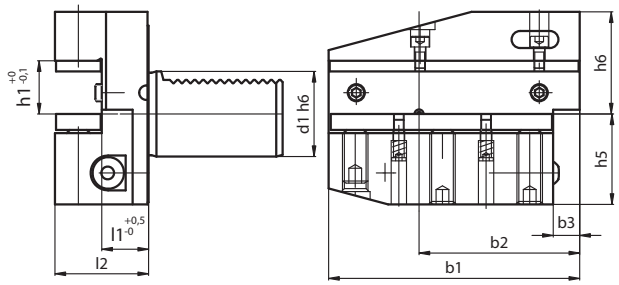
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B6-30x20x40	30	100	65	10	20/16	28	38	22	40
B6-40x25x44	40	118	75.5	12.5	25/20	32.5	48	22	44
B6-50x32x55	50	130	80	16	32/25	35	60	30	55
B6-60x32x60	60	145	82.5	16	32/25	42.5	62.5	30	60

Spare parts on page 357 - Vedi ricambi a pag. 357 - Ver las piezas de repuesto a la pág. 357
S. Ersatzteile auf Seite 357 - Voyez les pièces détachées à la page 357
Запасные части на стр. 357 - 附件部分见 357 页

RADIAL HOLDER, UPSIDE-DOWN, RH, LONG

RADIAL WERKZEUGHALTER, ÜBERKOPF RECHTS, LANG
PORTAHERRAMIENTAS RADIAL, INVERTIDO, DCH, CORTO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ ПРАВЫЕ. ДЛИННОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, ROVESCIATO DX LUNGO
PORTE-OUTIL RADIAL RENVERSE, DROIT, LONG
径向柄，倒置，RH，短

DIN 69880 - B7



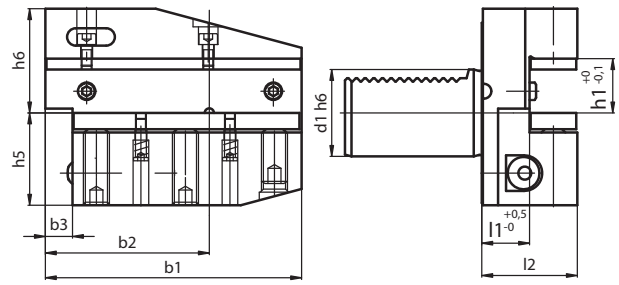
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B7-30x20x40	30	100	65	10	20/16	35	38	22	40
B7-40x25x44	40	118	75.5	12.5	25/20	42.5	48	22	44
B7-50x32x55	50	130	80	16	32/25	50	60	30	55
B7-60x32x60	60	145	82.5	16	32/25	62.5	62.5	30	60

Spare parts on page 357 - Vedi ricambi a pag. 357 - Ver las piezas de repuesto a la pág. 357
S. Ersatzteile auf Seite 357 - Voyez les pièces détachées à la page 357
Запасные части на стр. 357 - 附件部分见 357 页

RADIAL HOLDER, UPSIDE-DOWN, LH, SHORT

RADIAL WERKZEUGHALTER, ÜBERKOPF LINKS, LANG
PORTAHERRAMIENTAS RADIAL, INVERTIDO, IZD, LARGO
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ ЛЕВЫЕ. ДЛИННОЕ ИСПОЛНЕНИЕ.
PORTAUTENSILE CON SEDE TRASVERSALE RETTANGOLARE, ROVESCIATO SX LUNGO
PORTE-OUTIL RADIAL RENVERSE, GAUCHE, LONG
径向柄，倒置，LH，短

DIN 69880 - B8



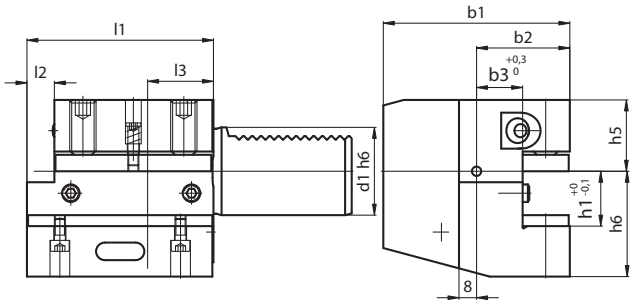
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2
B8-30x20x40	30	100	65	10	20/16	35	38	22	40
B8-40x25x44	40	118	75.5	12.5	25/20	42.5	48	22	44
B8-50x32x55	50	130	80	16	32/25	50	60	30	55

Spare parts on page 357 - Vedi ricambi a pag. 357 - Ver las piezas de repuesto a la pág. 357
S. Ersatzteile auf Seite 357 - Voyez les pièces détachées à la page 357
Запасные части на стр. 357 - 附件部分见 357 页

AXIAL HOLDER, RH

AXIAL WERKZEUGHALTER, RECHTS
PORTAHERRAMIENTAS AXIAL, DCH
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ПРАВЫЕ
PORTAUTENSILE CON SEDE LONGITUDINALE RETTANGOLARE, DESTRO
PORTE-OUTIL AXIAL, DROIT
轴向刀柄，RH

DIN 69880 - C1



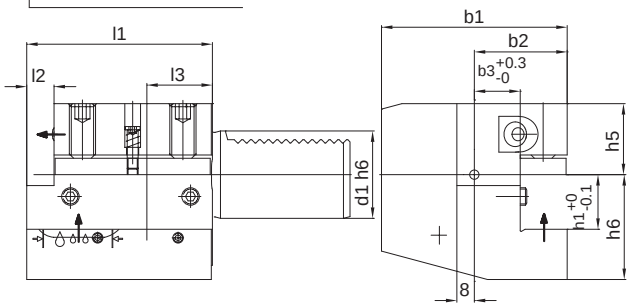
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C1-20x16x50	20	65	40	26	16/12	25	30	50	-	30
C1-30x20x70	30	70	35	17	20/16	28	38	70	10	30
C1-40x25x85	40	85	42.5	21	25/20	32.5	48	85	12.5	30
C1-50x32x100	50	100	50	26	32/25	35	60	100	16	40
C1-60x32x125	60	125	62.5	33	32/25	42.5	62.5	125	16	40

Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
Запасные части на стр. 358 - 附件部分见 358 页

AXIAL HOLDER, RH

AXIAL WERKZEUGHALTER, RECHTS
PORTAHERRAMIENTAS AXIAL, DCH
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ПРАВЫЕ
PORTAUTENSILE CON SEDE LONGITUDINALE RETTANGOLARE, DESTRO
PORTE-OUTIL AXIAL, DROIT
轴向刀柄，RH

DIN 69880 - C1



Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
Запасные части на стр. 358 - 附件部分见 358 页

DIN 69880-C1

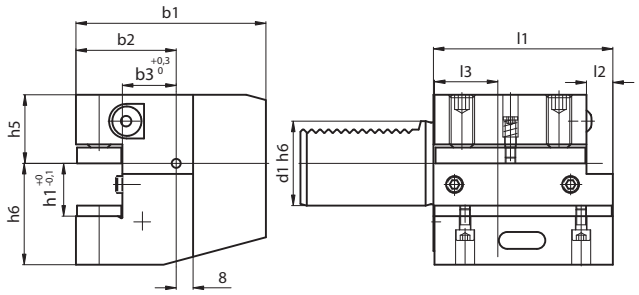
IC

CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C1-30x20x70-IC	30	70	35	17	20	28	38	70	10	30
C1-40x25x85-IC	40	85	42.5	21	25	32.5	48	85	12.5	30

AXIAL HOLDER, LH

AXIAL WERKZEUGHALTER, LINKS
PORTAHERRAMIENTAS AXIAL, IZD
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ЛЕВЫЕ
PORTAUTENSILE CON SEDE LONGITUDINALE RETTANGOLARE, SINISTRO
PORTE-OUTIL AXIAL, GAUCHE
轴向刀柄， LH

DIN 69880 - C2



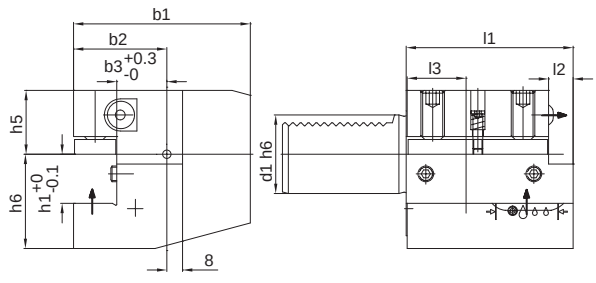
Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
Запасные части на стр. 358 - 附件部分见 358 页

CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C2-20x16x50	20	65	40	26	16/12	25	30	50	-	30
C2-30x20x70	30	76	41	23	20/16	28	38	70	10	30
C2-40x25x85	40	90	47.5	25.5	25/20	32.5	48	85	12.5	30
C2-50x32x100	50	105	55	30.5	32/25	35	60	100	16	40
C2-60x32x125	60	125	62.5	33	32/25	42.5	62.5	125	16	40

AXIAL HOLDER, LH

AXIAL WERKZEUGHALTER, LINKS
PORTAHERRAMIENTAS AXIAL, IZD
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ЛЕВЫЕ
PORTAUTENSILE CON SEDE LONGITUDINALE RETTANGOLARE, SINISTRO
PORTE-OUTIL AXIAL, GAUCHE
轴向刀柄， LH

DIN 69880 - C2



Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
Запасные части на стр. 358 - 附件部分见 358 页

DIN 69880-C2

IC

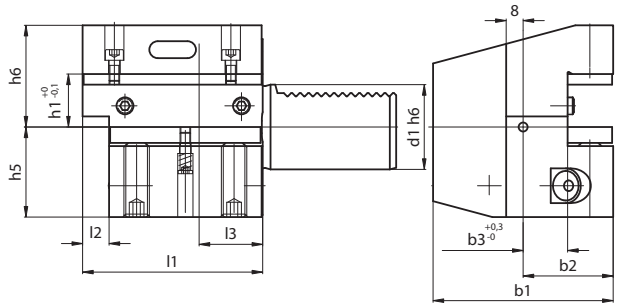
CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C2-30x20x70-IC	30	76	41	23	20	28	38	70	10	30
C2-40x25x85-IC	40	90	47.5	25.5	25	32.5	48	85	12.5	30

AXIAL HOLDER, UPSIDE-DOWN, RH

AXIAL WERKZEUGHALTER, ÜBERKOPF, RECHTS
PORTAHERRAMIENTAS AXIAL, INVERTIDO, DCH
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ПЕРЕВЕРНУТЫЕ ПРАВЫЕ.

PORTAUTENSILE CON SEDE LONGITUDINALE RETTANG. ROVESCIATO, DX
PORTE-OUTIL AXIAL, RENVERSE, DROIT
轴向柄，倒置，RH

DIN 69880 - C3



CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C3-30x20x70	30	70	35	17	20/16	35	38	70	10	30
C3-40x25x85	40	85	42.5	21	25/20	42.5	48	85	12.5	30
C3-50x32x100	50	100	50	26	32/25	50	60	100	16	40
C3-60x32x125	60	125	62.5	33	32/25	62.5	62.5	125	16	40

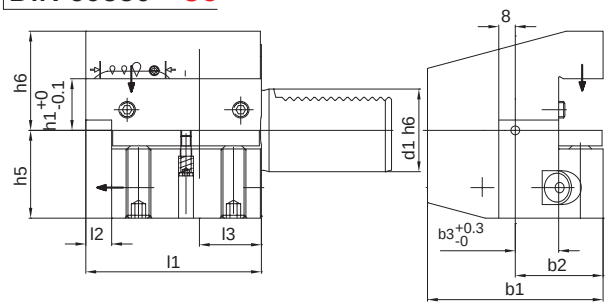
Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
Запасные части на стр. 358 - 附件部分见 358 页

AXIAL HOLDER, UPSIDE-DOWN, RH

AXIAL WERKZEUGHALTER, ÜBERKOPF, RECHTS
AXIAL, INVERTIDO, DCH
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ПЕРЕВЕРНУТЫЕ ПРАВЫЕ.

PORTAUTENSILE CON SEDE LONGITUDINALE RETTANG. ROVESCIATO, DX
PORTE-OUTIL AXIAL, RENVERSE, DROIT
轴向柄，倒置，RH

DIN 69880 - C3



DIN 69880-C3

IC

CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C3-30x20x70-IC	30	70	35	17	20	35	38	70	10	30
C3-40x25x85-IC	40	85	42.5	21	25	42.5	48	85	12.5	30

Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
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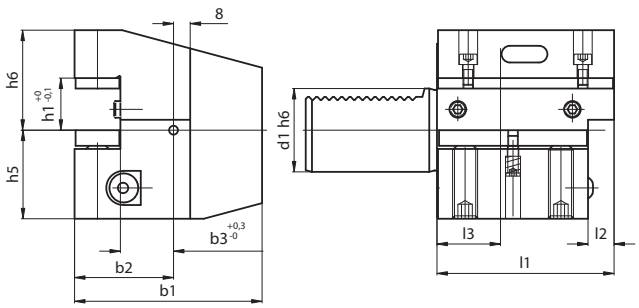
RADIAL WERKZEUGHALTER, ÜBERKOPF, LINKS

AXIAL HOLDER, UPSIDE-DOWN LH
PORTAHERRAMIENTAS RADIAL, INVERTIDO, IZD
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ПЕРЕВЕРНУТЫЕ ЛЕВЫЕ.

PORTAUTENSILE CON SEDE LONGITUDINALE RETTANG. ROVESCIATO, SX
PORTE-OUTIL AXIAL, RENVERSE, GAUCHE
轴向柄，倒置，LH

DIN 69880 - C4



CODE N.	1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C4-30x20x70	30	76	41	23	20/16	35	38	70	10	30
C4-40x25x85	40	90	47.5	25.5	25/20	42.5	48	85	12.5	30
C4-50x32x100	50	105	55	30.5	32/25	50	60	100	16	40
C4-60x32x125	60	125	62.5	33	32/25	62.5	62.5	125	16	40

Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
Запасные части на стр. 358 - 附件部分见 358 页

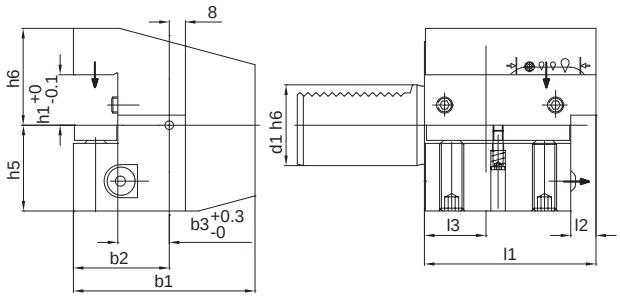
AXIAL HOLDER, UPSIDE-DOWN LH

RADIAL WERKZEUGHALTER, ÜBERKOPF, LINKS
PORTAHERRAMIENTAS AXIAL, INVERTIDO, IZD
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ ПЕРЕВЕРНУТЫЕ ЛЕВЫЕ.
PORTAUTENSILE CON SEDE LONGITUDINALE RETTANG. ROVESCIATO, SX
PORTE-OUTIL AXIAL, RENVERSE, GAUCHE
轴向柄，倒置，LH

DIN 69880 - C4

DIN 69880-C4

IC



CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C4-30x20x70-IC	30	76	41	23	20	35	38	70	10	30
C4-40x25x85-IC	40	90	47.5	25.5	25	42.5	48	85	12.5	30

Spare parts on page 358 - Vedi ricambi a pag. 358 - Ver las piezas de repuesto a la pág. 358
S. Ersatzteile auf Seite 358 - Voyez les pièces détachées à la page 358
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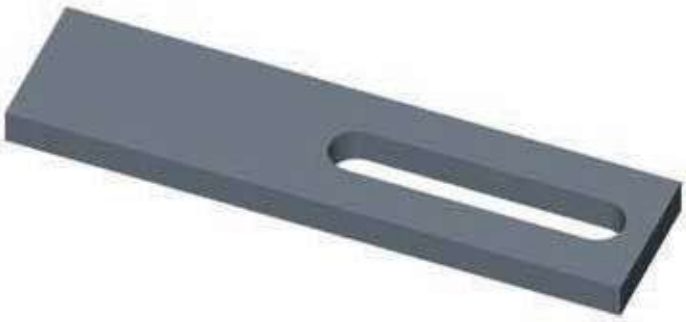
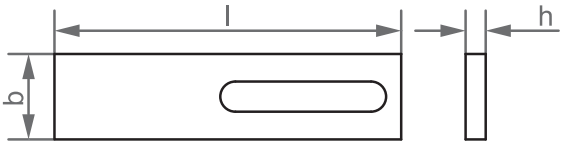
ACCESSORIES

IC



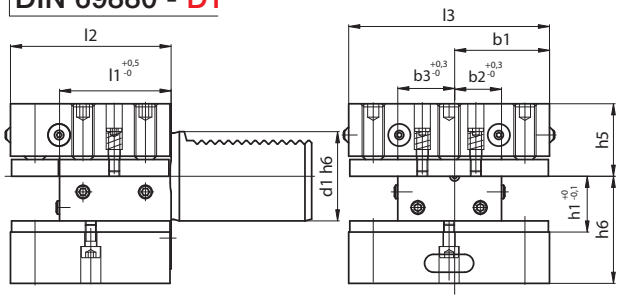


CODE N.	l	b	h	TOOLHOLDER
832-003400	69	17	4	VDI30 B1÷B4-IC, C1÷C4-IC
832-003401	84	21	5	VDI40 B1÷B4-IC, C1÷C4-IC

TOOLHOLDER WITH MULTIPLE SEATS

WERKZEUGHALTER MIT MEHRFACHAUFNAHME
PORTAHERRAMIENTAS CON VARIOS ASIENTOS
РЕЗЦЕДЕРЖАТЕЛИ УНИВЕРСАЛЬНЫЕ
PORTAUTENSILE A PIU' SEDI RETTANGOLARI
PORTE-OUTIL A SIEGES MULTIPLES
带多个座刀柄

DIN 69880 - D1



CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
D1-30x20x60	30	35	17	23	20/16	28	38	42	60	76
D1-40x25x72	40	42.5	21	25.5	25/20	32.5	48	50	72	90
D1-50x32x85	50	50	26	30.5	32/25	35	60	60	85	105
D1-60x32x110	60	57.5	33	33	32/25	42.5	62.5	85	110	115

Spare parts on page 359 - Vedi ricambi a pag. 359 - Ver las piezas de repuesto a la pág. 359
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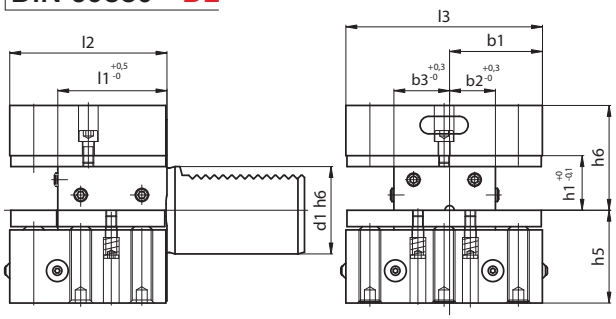
TOOLHOLDER WITH MULTIPLE SEATS UPSIDE DOWN

WERKZEUGHALTER MIT MEHRFACHAUFNAHME, ÜBERKOPF
PORTAHERRAMIENTAS CON VARIOS ASIENTOS, INVERTIDO
РЕЗЦЕДЕРЖАТЕЛИ УНИВЕРСАЛЬНЫЕ ПЕРЕВЕРНУТЫЕ
PORTAUTENSILE A PIU' SEDI RETTANGOLARI, ROVESCIATO
PORTE-OUTIL A SIEGES MULTIPLES, RENVERSE
带多个座倒置的刀柄

DIN 69880 - D2



CODE N.	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
D2-30x20x60	30	35	17	23	20/16	35	38	42	60	76
D2-40x25x72	40	42.5	21	25.5	25/20	42.5	48	50	72	90
D2-50x32x85	50	50	26	30.5	32/25	50	60	60	85	105

Spare parts on page 359 - Vedi ricambi a pag. 359 - Ver las piezas de repuesto a la pág. 359
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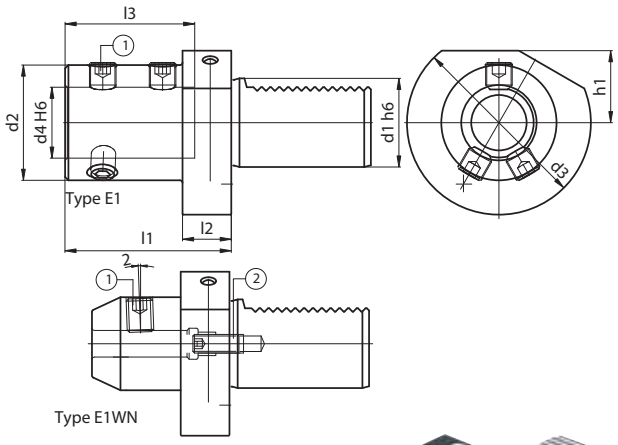
Запасные части на стр. 359 - 附件部分见 359 页

HOLDER FOR INDEXABLE INSERT DRILLS WITH INTERNAL COOLANT SUPPLY

WERKZEUGHALTER FÜR WENDEPLATTENBOHRER MIT INNERER KÜHLMITTELZUFUHR
PORTAHERRAMIENTAS PARA BROCAS PARA PLAQUITAS CON REGFRIGERACION INTERNA
ДЕРЖАТЕЛИ ДЛЯ СВЕРЛ С СМП С ВНУТРЕННИМ ПОДВОДОМ СОЖ
PORTAUTENSILE PER PUNTE AD INSERTI CON PASSAGGIO REFRIGERANTE INTERNO
PORTE-OUTIL POUR FORETS A PLAQUETTES AVEC ALIMENTATION INTERNE DU LIQUIDE D'ARROSAGE
带内部冷却剂供应的可转位浅孔钻刀柄

DIN 69880 - E1



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E1-30x10-WN	30	35	68	10	28	54	22	40	811-106004
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E1-50x32	50	52	98	32	35	80	30	63	811-402005
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E1-50x50	50	75	98	50	35	100	30	83	811-402007
E1-60x40	60	65	123	40	42.5	90	30	73	811-402007
E1-60x50	60	75	123	50	42.5	100	30	83	811-402007

WN: Wistle Notch

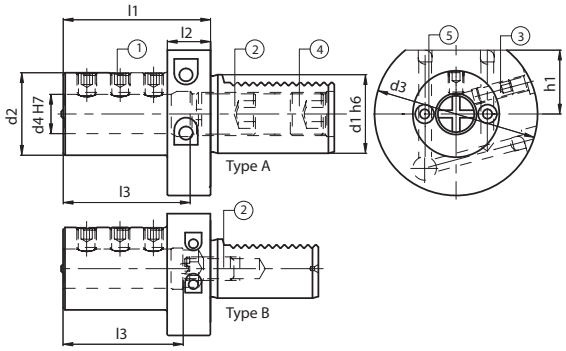
BORING BAR HOLDER

BOHRSTANGENHALTER PORTAUTENSILE PER BARENI
PORTAHERRAMIENTAS BARA BARRAS PORTE-OUTIL POUR BARRES D'ALESAGE
ДЕРЖАТЕЛИ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ 搪孔刀杆

DIN 69880 - E2

pag. 368

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件



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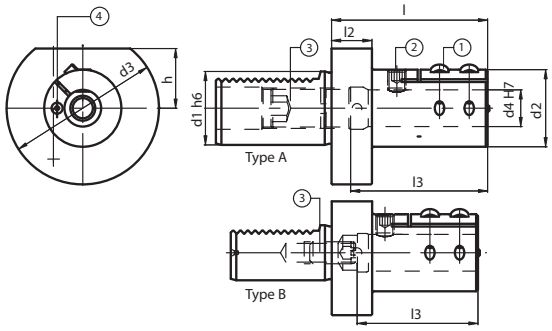
E2-60x50	60	98	123	50	42.5	100	30	86	B	811-102043	3	811-402029	811-102030	-	PWZ1012D12X8

BORING BAR HOLDER

BOHRSTANGENHALTER PORTAUTENSILE PER BARENI
PORTAHERRAMIENTAS PARA BARRAS PORTE-OUTIL POUR BARRES D'ALESAGE
ДЕРЖАТЕЛИ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ 搪孔刀杆

DIN 69880 - E2-TAG



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E2-50x50-TAG	50	76	98	50	35	125	30	112	B	811-101030	811-102069	811-402029	PWZ1008D10X7

BORING BAR HOLDER — TECHNICAL NOTES

DIN 69880 - E2-TAG

1) Particularly suitable for vibration-damping- boring bars with HM-shank.

2) The particular elastic gripping allows a uniform tool-clamping and reduces vibrations when the tool is working with big projections.

3) Fixing occurs by two screws. A third screw, which is perpendicular to the tool, positions the tool itself, resting on the face, on the boring bar shank.

4) For completely cylindrical tools there is a reference mark engraved on the front side of the toolholder. It is useful to position the tool.

5) There are two kinds of toolholders:
a) The VDI- shank is completely drilled. The tool can be positioned through the shank without having to cut it, in case it is too long for machining.
b) The VDI- shank is not drilled and has only one adjusting screw at the end of the hole where the tool is placed.

6) The VDI- attachment is produced according to the DIN 69880- norms.

PORTAUTENSILE PER BARENI — NOZIONI TECNICHE

DIN 69880 - E2-TAG

1) Particolarmente idonei per bareni antivibranti con stelo in metallo duro.

2) La particolare chiusura elastica rende uniforme il bloccaggio dell'utensile riducendo notevolmente le vibrazioni quando si lavora con grandi sporgenze.

3) Il fissaggio avviene mediante 2 viti, mentre una terza perpendicolare all'utensile inserito serve per l'orientamento dello stesso,appoggiandosi al classico piano di riferimento sullo stelo del bareno.

4) In caso di utilizzo di utensili totalmente cilindrici sulla parte frontale del portautensile si trova incisa una riga di riferimanto che permette l'orientamento dell'utensile.

5) Esistono due tipologie di portautensile:
a) Il gambo Vdi e' totalmente forato e permette l'inserimento dell'utensile attraverso lo stesso senza bisogno di un eventuale taglio nel caso si presentasse troppo lungo per le lavorazioni da effettuare.
b) Il gambo Vdi non e' forato e presenta solo una vite di registro sul fondo del foro dove viene inserito l'utensile.

6) L'attacco Vdi viene costruito seguendo correttamente le prescrizioni date dalle normative Din69880.

BOHRSTANGENHALTER — TECHNISCHE BESONDERHEITEN

DIN 69880 - E2-TAG

1) Schwingungsdämpfende Aufnahme. Besonders gut daher geeignet für VHM-Bohrstangen und alle schwingungsdämpfenden Bohrstangen dank der sehr langen Umschließung und tiefer Spannmöglichkeit.

2) Die besonders lange Vollumschließung der Bohrstange beim Spannen verbunden mit der geschlitzten Ausführung ermöglicht längere Auskraglängen für alle Arten von Bohrstangen und größere Schnittgeschwindigkeiten ohne Vibrationen oder störende Geräusche.

3) Die Befestigung erfolgt durch zwei Schrauben; eine dritte Schraube, die auf der Bohrstange senkrecht steht, dient zur Justierung der Wendeplatte auf Mitte.

4) Für zylindrischen Bohrstangen ohne Spannfläche ist vorne am Werkzeughalter eine senkrechte Markierung vorhanden um Bohrstangen mit Längsrille exakt mittig zu spannen.

5) Es gibt zwei Typen von Werkzeughaltern:
Typ a) Der VDI-Schaft ist aufgebohrt. Die Bohrstange kann in den Schaft eingeführt werden ohne sie zu kürzen.
Typ b) Der VDI-Schaft ist nicht aufgebohrt, und hat eine Längeneinstellschraube am Ende der Bohrung.

6) Alle VDI-Aufnahmen sind gemaess DIN 69880 gefertigt.

PORTAHERRAMIENTAS PARA BARRAS — DATOS TECNICOS

DIN 69880 - E2-TAG

1) Especialmente adecuados para barras anti-vibratorias con mango de metal duro.

2) Su particular cierre elástico hace que el bloqueo de la herramienta sea uniforme, reduciendo notablemente las vibraciones cuando se trabaja con grandes proyecciones.

3) La fijación se obtiene a través de 2 tornillos, mientras una tercera perpendicular a la herramienta insertada sirve para la orientación de la herramienta misma, apoyándose al plano de referencia sobre el mango de la barra.

4) En caso de uso de herramientas totalmente cilíndricos en la parte frontal del portaherramientas se encuentra marcada una línea de referencia que permite la orientación de la herramienta.

5) Hay dos tipos de portaherramientas:
a. El mango VDI está totalmente perforado y permite que la herramienta sea insertada por el mango mismo, sin necesitar un corte en caso que sea demasiado largo para los mecanizados.
b. El mango VDI non está perforado y presenta solo un tornillo en el fondo del agujero donde va insertada la herramienta

6) El mango VDI esta fabricado de acuerdo con las normativas DIN69880

PORTE-OUTIL POUR BARRES D'ALESAGE — RENSEIGNEMENTS TECHNIQUES

DIN 69880 - E2-TAG

1) Utilisation préconisée pour les barres d'alesage avec la queue en carbure monobloc.

2) La fermeture elastique assure un blocage uniforme de l'outil en reduisant remaquablement les vibrations quand on travaill avec des passes profondes.

3) La fixation se fait par vis, une troisiéme vis perpendiculaire à l'outil sert à l'orientation de celui-ci, en s'appuyant sur la queue de la barre l'alesage.

4) Pour les outils cylindrique un repère gravé sert de ligne de réfèrénce, ce qui permet l'orientation de l'outil.

5) Il y a deux sortes de port-outils:
a) La queue Vdi est complètement percée au diamètre de l'outil. L'outil peut alors être utilisè sans être coupé au cas où il soit trop long.
b) La queue Vdi n'est pas percée et est placeé au fond de l'alesage destiné à l'outil.

6) Dans les deux cas l'attachement Vdi est fabriqué selon les normes Din69880.

ДЕРЖАТЕЛИ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ — ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

DIN 69880 - E2-TAG

1) Лучше всего подходят для виброгасящих державок из твердого сплава.

2) Специальное гибкое крепление обеспечивает равномерный зажим и уменьшает вибрации при работе инструмента с большим вылетом.

3) Крепление осуществляется при помощи двух винтов. Третий винт, расположенный перпендикулярно державке,упирается в плоскость ее хвостовика и тем самым позиционирует инструмент.

4) На торце резцедержателя находится риска. Она необходима, чтобы установить режущий инструмент с гладким цилиндрическим хвостовиком.

5) Существует два типа резцедержателей:
a) С хвостовиком VDI с внутренним каналом для СОЖ. Вылет режущего инструмента можно регулировать по всей длине резцедержателя. Тем самым отпадает необходимость укорачивать слишком длинный инструмент.
b) С хвостовиком VDI без внутреннего канала для СОЖ. Регулировка вылета инструмента осуществляется одним винтом в конце отверстия под инструмент.

6) Хвостовики VDI производятся согласно стандарту DIN 69880.

搪孔刀杆 — 技术要点

DIN 69880 - E2-TAG

1) 尤其适用于防震带 HM 柄的搪孔。

2) 专用弹性夹紧可在工具有大的伸出量时，实现均匀的工具夹紧，同时减少震动。

3) 用两个螺丝固定。第三个螺丝与工具垂直，可使工具在搪孔柄上面的表面上定好位。

4) 对于完全圆柱形的工具，在刀柄的正面有一个雕刻的参考标志。这个标志对于工具的定位很有用。

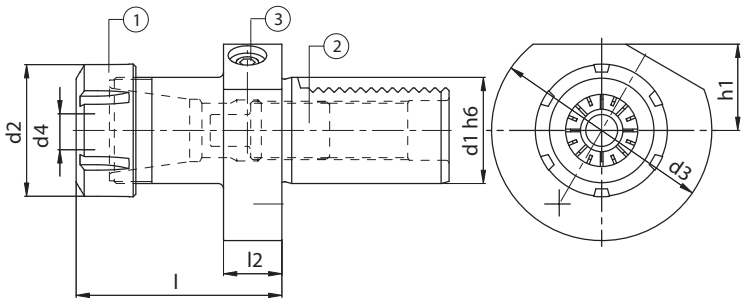
5) 有两种刀柄。
a) VDI 柄是完全被钻透。如果工具太长无法进行机械加工，则工具可以在不被切割的条件下，通过柄就位。
b) VDI 柄未被钻透，只在孔的末端有一个可调螺丝，通过这个螺丝来安放工具。

6) VDI 附件的生产符合 DIN 69880 - 标准。

COLLET CHUCK FOR COLLETS ACCORDING TO DIN 6499/B, ER TYPE

SPANNZANGENAUFNAHME FÜR SPANNZANGEN NACH DIN 6499/B, TYP ER
PORTAPINZAS PARA PINZAS DE ACUERDO CON DIN 6499/B, TIPO ER
ЦАНГОВЫЕ ПАТРОНЫ ДЛЯ ЦАНГ ПО DIN 6499/B, ТИП ER
PORTAPINZA PER PINZE SECONDO DIN 6499/B, TIPO ER
PORTE-PINC POUR PINCES SELON DIN 6499/B, TYPE ER
符合 DIN 6499 的 ER 弹簧夹头

DIN 69880 - E4



CODE N.	DECRIPTION	d1	d2	d3	d4	h1	l1	l2	NUT ❶	STOP SCREW ❷	SCREW ❸
E4-20x20	VDI20.L59.ER20	20	35	50	1-13	-	59	18	812-203006	811-303001	811-302106
E4-20x25	VDI20.L65.ER25	20	42	50	2-16	-	65	18	812-203001	811-303001	811-302106
E4-20x32	VDI20.L67.ER32	20	50	50	2-20	-	67	18	812-203002	811-303001	811-302106
E4-30x16	VDI30.L48.ER16	30	32	68	1-10	28	48	22	812-203005	811-303001	811-302106
E4-30x20	VDI30.L59.ER20	30	35	68	1-13	28	59	22	812-203006	811-303014	811-302106
E4-30x25	VDI30.L57.ER25	30	42	68	2-16	28	57	22	812-203001	811-303014	811-302106
E4-30x32	VDI30.L78.ER32	30	50	68	2-20	28	78	22	812-203002	811-303014	811-302106
E4-30x40	VDI30.L80.ER40	30	63	68	3-30	28	80	22	812-203003	811-303014	811-302106
E4-40x20	VDI40.L59.ER20	40	35	83	1-13	32.5	59	22	812-203006	811-303003	811-302106
E4-40x25	VDI40.L57.ER25	40	42	83	2-16	32.5	57	22	812-203001	811-303003	811-302106
E4-40x32	VDI40.L78.ER32	40	50	83	2-20	32.5	78	22	812-203002	811-303004	811-302106
E4-40x40	VDI40.L80.ER40	40	63	83	3-30	32.5	80	22	812-203003	811-303004	811-302106
E4-50x32	VDI50.L92.ER32	50	50	98	2-20	35	92	30	812-203002	811-303004	811-302106
E4-50x40	VDI50.L80.ER40	50	63	98	3-30	35	80	30	812-203003	811-303004	811-302106
E4-60x32	VDI60.L78.ER32	60	50	123	2-20	42.5	78	30	812-203002	811-303004	811-302106
E4-60x40	VDI60.L80.ER40	60	63	123	3-30	42.5	80	30	812-203003	811-303004	811-302106

• Coolant supply unit not included • Adduttore refrigerante non incluso • Tubo de refrigeración no incluido • Kühlmittelrohr nicht inbegriffen
• Adducteur réfrigérant non inclus • Поставляется без элементов для подвода СОЖ • 不包括冷却剂供应装置。

DOUBLE BORING BAR HOLDER, RIGHT

WERKZEUGHALTER MIT ZWEI BOHRUNGEN RECHTS
PORTABARRAS DOBLE, DERECHO
ДВОЙНЫЕ ДЕРЖАТЕЛИ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ ПРАВЫЕ
PORTABARENO DOPPIO DESTRO
PORTE-OUTIL DOUBLE DROIT
右侧双搪孔刀柄

DIN 69880 - E7

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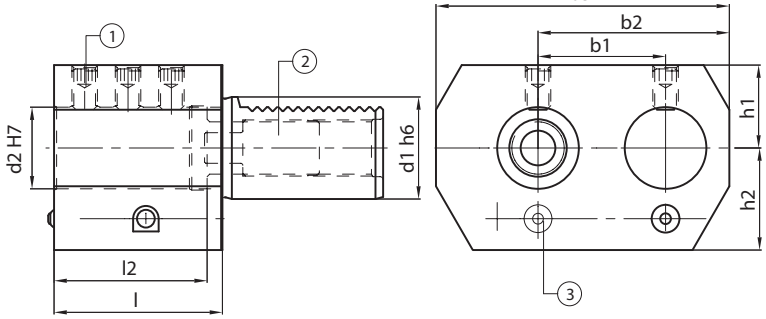
Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件



CODE N.	d1	d2	h1	h2	l1	l2	b1	b2	B3	LOCKING SCREW ❶	Qt.	STOP SCREW ❷	COOLANT NOOSE ❸
E7-30x25	30	25	28	32	56	52	45	65	95	811-102029	6	811-303003	PWZ1008D10x7
E7-40x32	40	32	32.5	40	66	60	50	75	115	811-102037	6	811-303004	PWZ1008D10x7
E7-50x32	50	32	32.5	47,5	66	60	50	75	115	811-102037	6	811-303004	PWZ1008D10x7
E7-50x50	50	50	35	49	90	80	68	103	152	811-102064	6	811-303005	PWZ1012D12x8

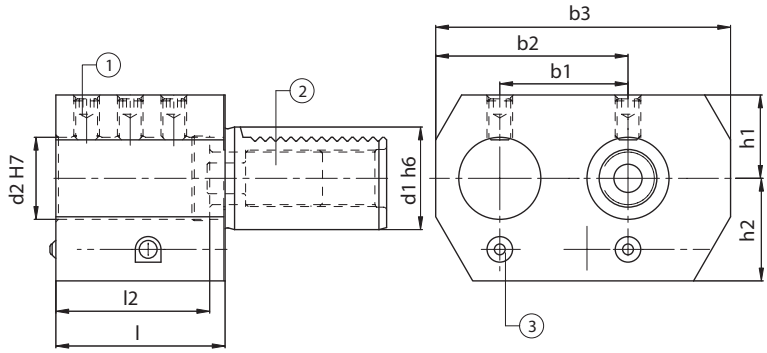
DOUBLE BORING BAR HOLDER, LEFT

WERKZEUGHALTER MIT ZWEI BOHRUNGEN LINKS | PORTABARENO DOPPIO SINISTRO
PORTABARRAS DOBLE, IZQUIERDO | PORTE-OUTIL DOUBLE GAUCHE
ДВОЙНЫЕ ДЕРЖАТЕЛИ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ ЛЕВЫЕ | 左侧双搪孔刀柄

DIN 69880 - E8

pag. 368

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

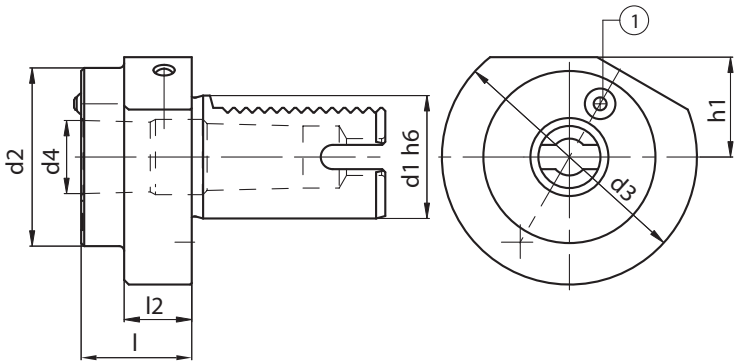


CODE N.	d1	d2	h1	h2	l1	l2	b1	b2	b3	LOCKING SCREW ❶	Qt.	STOP SCREW ❷	COOLANT NOOSE ❸
E8-30x25	30	25	28	32	56	52	45	65	95	811-102029	6	811-303003	PWZ1008D10x7
E8-40x32	40	32	32.5	40	66	60	50	75	115	811-102037	6	811-303004	PWZ1008D10x7
E8-50x32	50	32	32.5	47,5	66	60	50	75	115	811-102037	6	811-303004	PWZ1008D10x7
E8-50x50	50	50	35	49	90	80	68	103	152	811-102064	6	811-303005	PWZ1012D12x8

MORSE TAPER HOLDER

MORSEKEGEL-AUFNAHME | PORTAUTENSILE CON SEDE CONO MORSE
PORTAHERRAMIENTAS PARA CONO MORSE | PORTE-OUTIL POUR CONE MORSE
ДЕРЖАТЕЛИ ДЛЯ ИНСТРУМЕНТА С КОНУСОМ МОРЗЕ | 莫氏锥度柄

DIN 69880 - F



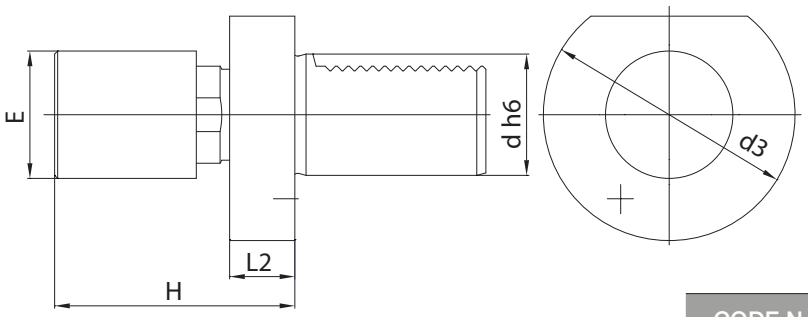
CODE N.	d1	d2	d3	MK	d4	h1	l1	l2	COOLANT NOOSE ❶
F30-MKD1	30	-	68	1	12.065	28	27	-	PWZ1008D10X7
F30-MKD2	30	55	68	2	17.780	28	36	27	PWZ1008D10X7
F30-MKD3	30	55	68	3	23.825	28	66	41	PWZ1008D10X7
F40-MKD1	40	55	83	1	12.065	32.5	23	22	PWZ1008D10X7
F40-MKD2	40	55	83	2	17.780	32.5	36	22	PWZ1008D10X7
F40-MKD3	40	58	83	3	23.825	32.5	36	22	PWZ1008D10X7
F40-MKD4	40	68	83	4	31.267	32.5	80	22	PWZ1008D10X7
F50-MKD3	50	58	98	3	23.825	35	45	30	PWZ1008D10X7
F50-MKD4	50	68	98	4	31.267	35	55	30	PWZ1008D10X7
• F50-MKD5	50	75	98	5	44.399	35	72	30	PWZ1008D10X7

• Without VDI shank! • Senza dentatura VDI! • Sin dentado VDI! • Ohne Verzahnung!
Sans denture VDI! • Без хвостовика VDI! • 无 VD I 柄

ROTARY ADJUSTABLE BAR-STOP

WERKSTOFFANSCHLAG, VESTELLBAR FERMOBARRA ROTANTI REGOLABILI
PARADORES DE BARRA ROTATORIOS, AJUSTABLES PORTE-OUTIL VDI À BUTÉE RÉGLABLE
УПОРЫ РЕГУЛИРУЕМЫЕ 旋转式可调制动杆

DIN 69880 - MW

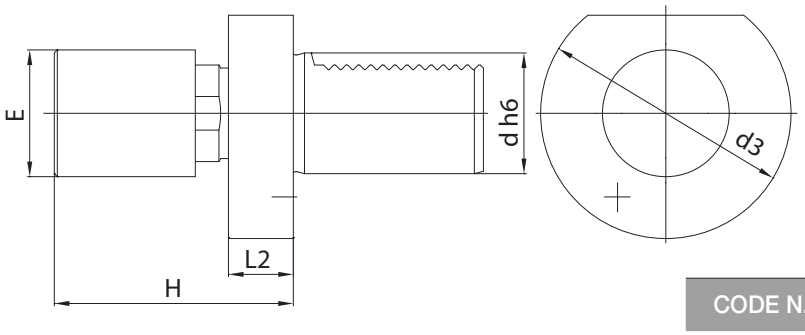


CODE N.	d	H	d3	L2	E
MW3042	30	68-100	68	16	42
MW4042	40	74-100	83	22	42

DAMPED, ADJUSTABLE, STOP BAR

WERKSTOFFANSCHLAG, VESTELLBAR, GEDÄMPFT FERMOBARRA ROTANTI REGOLABILI AMMORTIZZATI
PARADORES DE BARRA ROTATORIOS, AJUSTABLES, AMORTIZADOS PORTE-OUTIL VDI À BUTÉE RÉGLABLE, AMORTIE
УПОРЫ РЕГУЛИРУЕМЫЕ С АМОРТИЗАЦИЕЙ 阻尼可调制动杆

DIN 69880 - MW-AM

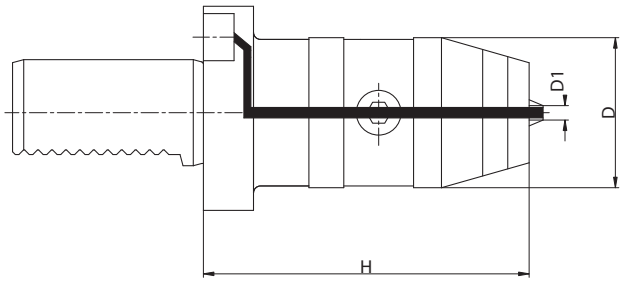


CODE N.	d	H	d3	L2	E
MW-3042-AM	30	68-100	68	16	42
MW-4042-AM	40	74-100	83	22	42

ADAPTORS FOR DRILLS WITH INTERNAL COOLANT SUPPLY

ZWISCHENHÜLSEN MIT ZENTRALEM KUHLMITTELLOCH MANDRINO PORTAPUNTE CON PASS. REFRIGERANTE CENTRALE
PORTABROCAS CON REFRIGERACION CENTRAL DOUILLES AVEC ARROSAGE INTERNE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С ВНУТРЕННИМ ПОДВОДОМ СОЖ 内部带冷却装置的钻头接头

DIN 69880 - KS1

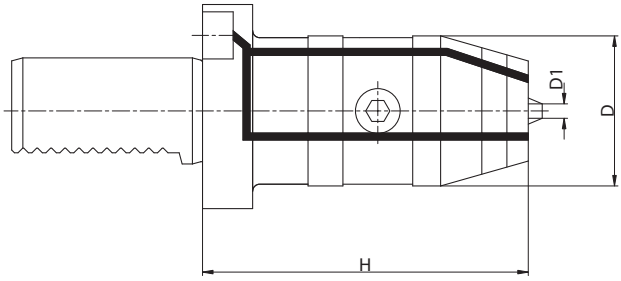


CODE N.	DESCRIPTION	H	D	CLAMPING CAPACITY
KS1-30-13	VDI30x55 0,5-13	90	50	0,5-13
KS1-30-16	VDI30x55 2,5-16	90	50	2,5-16
KS1-40-13	VDI40x63 0,5-13	90	50	0,5-13
KS1-40-16	VDI40x63 2,5-16	90	50	2,5-16

ADAPTORS FOR DRILLS WITH LATERAL COOLANT SUPPLY

ZWISCHENHÜLSEN MIT SEITLICHEM KUHLMITTELLOCH MANDRINO PORTAPUNTE CON PASS. REFRIGERANTE LATERALE
PORTABROCAS CON REFRIGERACION LATERAL DOUILLES AVEC ARROSAGE LATERALE
СВЕРЛИЛЬНЫЕ ПАТРОНЫ С БОКОВЫМ ПОДВОДОМ СОЖ 侧面带冷却装置的钻头接头

DIN 69880 - KS2

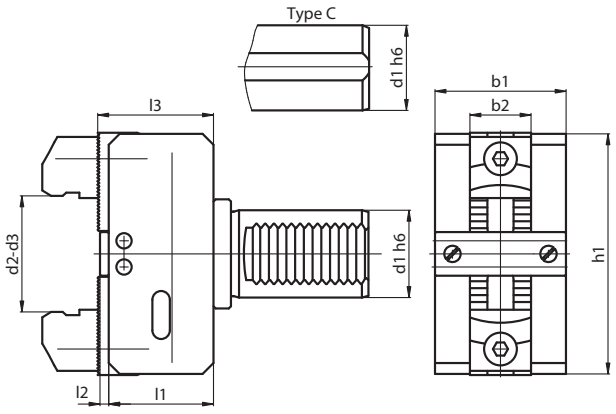


CODE N.	DESCRIPTION	H	D	CLAMPING CAPACITY
KS2-30-16	VDI30x55 2,5-16	82	57	2,5-16
KS2-40-13	VDI40x63 0,5-13	85	57	0,5-13
KS2-40-16	VDI40x63 2,5-16	85	57	2,5-16

BAR PULLER

STANGENGREIFER STRINGIBARRA
EXTRACTOR DE BARRAS SERRE BARRE
ДЕРЖАТЕЛИ ПРУТКА 搪孔抽动器

DIN 69880 - HK1

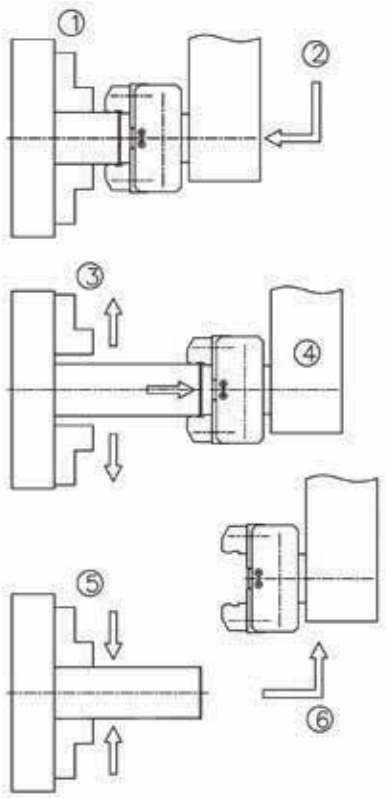


CODE N.	d1	d2 (short)	d3 (long)	b1	b2	h1	l1	l2	l3
H120K	20	6-56	-	50	28	72	46	4	51
H125KC	25	6-56	54-110	50	28	72	46	4	51
H130K	30	6-56	54-110	50	28	72	46	4	51
H132KC	32	6-56	54-110	50	28	72	46	4	51
H140K	40	6-66	54-110	60	28	110	48	4	53
H140KC	40	6-66	54-110	60	28	110	48	4	53
H150KC	50	10-75	62-125	65	28	130	67	5	73

Spare parts on page 360 - Vedi ricambi a pag. 360 - Ver las piezas de repuesto a la pág. 360
S. Ersatzteile auf Seite 360 - Voyez les pièces détachées à la page 360
Запасные части на стр. 360 - 附件部分见 360 页

OPERATING MANUAL FOR BAR PULLER

GEBRAUCHSANWEISUNG FÜR DEN STANGENGREIFER
MANUALE DI UTILIZZO PER GLI STRINGIBARRA
MANUAL DE INSTRUCCIONES PARA LOS EXTRACTORES DE BARRAS
NOTICE D'UTILISATION DU SERRE BARRE
ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ ДЕРЖАТЕЛЯ ПРУТКА
搪孔抽动器的操作手册。



1) Il mandrino autocentrante si ferma
The self-centering chuck stops.
El plato se para.
La broche et son mandrin à centrage automatique s'arretent.
Das selbstzentrierende Backenfutter bleibt geschlossen.
Остановка самоцентрирующегося патрона
自定心夹头制动。

2) Dopo aver regolato le griffe di chiusura di 3-5mm in meno del diametro della barra da tirare, andare a prendere il pezzo.
After positioning the jaws 3-5mm less than the measure of the bar diameter, clamp the bar.
Aprés avoir règlè les griffes de fermrture de 3-5mm infèrieur au diamètre de la barre à tirer, princer la barre.
Colocar las garras de 3-5mm por debajo del Ø de la barra. Aproximar el extractor hasta coger la barra.
Nachdem die Spannbacken des Stangengreifers um 3-5mm kleiner als der Durchmesser der zu greifenden Stange eingestellt worden sind, das Stuck greifen.
Захват прутка держателем. Расстояние между губками держателя должно быть на 3-5 мм меньше, чем диаметр заготовки.
将狭口放在低于杆的直径 3 – 5 毫米外定位后，将杆夹紧。

3) L'autocentrante si apre.
The self-centering chuck opens.ù
Abrir las garras de apriete del plato.
Le mandrin à centrage automatique s'ouvre.
Das selbstzentrierende Backenfutter öffnet sich.
Раскрытие самоцентрирующегося патрона
自定心夹头启动。

4) Lo stringibarra tira il pezzo/barra.
The bar puller pulls the bar.
Extraer la barra hasta la medida deseada.
Le serre-barre tire la barre.
Der Stangengreifer zieht das Stück/die Stange auf die gewünschte Länge.
Вытягивание заготовки держателем прутка
搪孔抽动器将杆抽动。

5) L'autocentrante blocca il pezzo.
The self-centering chuck clamps the bar.
Cerrar las garras del plato.
Le mandrin à centrage automatique se referme sur la barre.
Das selbstzentrierende Backenfutter wird geschlossen.
Зажим заготовки самоцентрирующимся патроном
自定心夹头将杆夹紧。

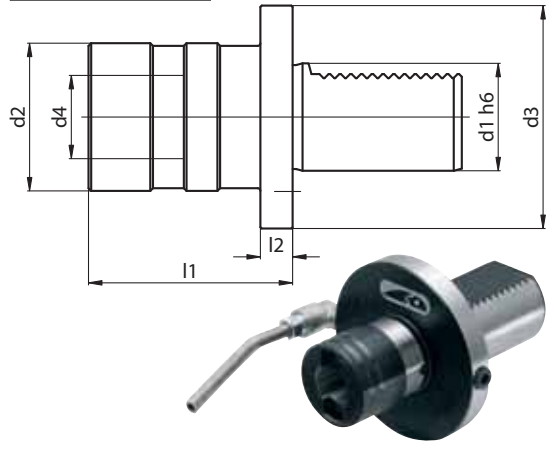
6) Lo stringibarra lascia/molla il pezzo.
The bar puller releases the bar.
El extractor de barra libera la barra.
Le serre-barre relache la barre.
Der Stangengreifer geht zurück und die Backen öffnen sich selbständig.
Отсоединение держателя от прутка
搪孔抽动器将杆放开。

7) Continua la lavorazione.
The work goes on.
El trabajo puede continuar.
Le cycle d'usinage peut alors continuer.
Die Bearbeitung geht weiter.
Продолжение обработки
工作继续进行。

TENSION AND COMPRESSION TAPPING HEAD

GEWINDESCHNEID-SCHNELLWECSELFUTTER MIT LÄNGENAUSGLEICH
MASCHIATORI A DOPPIA COMPENSAZIONE
ROSCADORES DE DOBLE COMPENSACION
MANDRINS DE TARAUDAGE A CHANGEMENT RAPIDE A DOUBLE USAGE
РЕЗЬБОНАРЕЗНЫЕ ПАТРОНЫ С КОМПЕНСАЦИЕЙ
张力和压缩丝攻头

DIN 69880 - M



CODE N.	d1	TOP RANGE	Size	Ext.	Pres.	d2	d3	d4	l1	l2
M2710	20	M3-M12	1	9	9	38	50	19	55	12
M2720	30	M3-M12	1	9	9	38	68	19	55	12
M2730	40	M3-M12	1	9	9	38	83	19	55	12
M2820	30	M6-M20	2	15	15	55	68	31	77	12
M2830	40	M6-M20	2	15	15	55	83	31	77	12
M2930	40	M14-M33	3	24	24	79	83	48	110	12

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

pag. 178

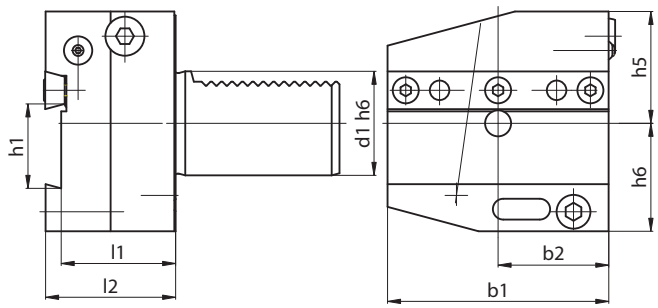
pag. 179

TOOLHOLDER FOR CUT OFF TOOLS ADJUSTABLE IN HEIGHT, RIGHT

ABSTECHMEISSELHALTER, HÖHENEINSTELLBAR, RECHTS
PORTAHERRAMIENTAS AJUSTABLE CON ASIENTO PARA CUCHILLA DE CORTE, DERECHO
ДЕРЖАТЕЛИ ОТРЕЗНЫХ РЕЗЦОВ С ВЕРТИКАЛЬНОЙ РЕГУЛИРОВКОЙ ПРАВЫЕ

PORTAUTENSILE REGOLABILE CON SEDE PER LAMA DA TAGLIO, DESTRO
PORTE-OUTIL DE TRONCONNAGE AVEC REGLAGE EN HAUTEUR, A DROITE
用于切割工具的刀柄高度可调，右侧

DIN 69880 - AR



CODE N.	d1	b1	b2	h1	h5	h6	l1	l2
AR3026	30	70	35	26	32	39	44	50
AR4026	40	85	42.5	26	43	41.5	44	50
AR4032	40	85	42.5	32	43	41.5	44	50
AR5032	50	100	50	32	43	45	44	50

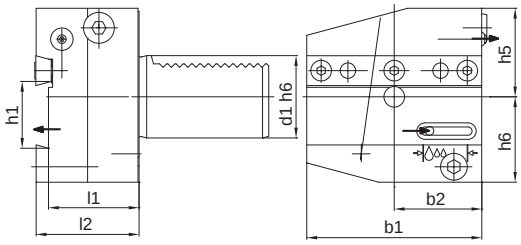
Spare parts on page 361 - Vedi ricambi a pag. 361 - Ver las piezas de repuesto a la pág. 361
S. Ersatzteile auf Seite 361 - Voyez les pièces détachées à la page 361
Запасные части на стр. 361 - 附件部分见 361 页

TOOLHOLDER FOR CUT OFF TOOLS ADJUSTABLE IN HEIGHT, RIGHT

ABSTECHMEISSELHALTER, HÖHENEINSTELLBAR, RECHTS
PORTAHERRAMIENTAS AJUSTABLE CON ASIENTO PARA CUCHILLA DE CORTE, DERECHO
ДЕРЖАТЕЛИ ОТРЕЗНЫХ РЕЗЦОВ С ВЕРТИКАЛЬНОЙ РЕГУЛИРОВКОЙ ПРАВЫЕ

PORTAUTENSILE REGOLABILE CON SEDE PER LAMA DA TAGLIO, DESTRO
PORTE-OUTIL DE TRONCONNAGE AVEC REGLAGE EN HAUTEUR, A DROITE
用于切割工具的刀柄高度可调，右侧

DIN 69880 - AR



DIN 69880-AR
IC

CODE N.	d1	b1	b2	h1	h5	h6	l1	l2
AR3026-IC	30	70	35	26	32	39	44	50
AR4026-IC	40	85	42.5	26	43	41.5	44	50
AR4032-IC	40	85	42.5	32	43	41.5	44	50

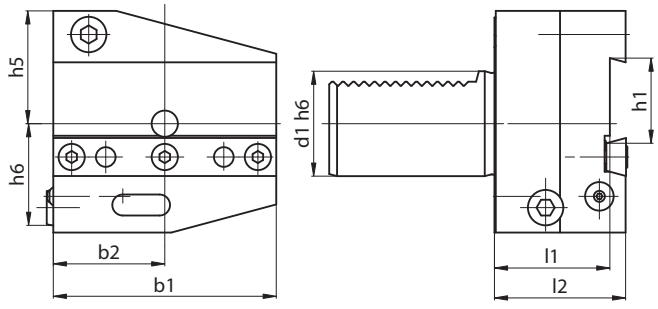
Spare parts on page 361 - Vedi ricambi a pag. 361 - Ver las piezas de repuesto a la pág. 361
S. Ersatzteile auf Seite 361 - Voyez les pièces détachées à la page 361
Запасные части на стр. 361 - 附件部分见 361 页

TOOLHOLDER FOR CUT OFF TOOLS ADJUSTABLE IN HEIGHT, UPSIDE-DOWN, LEFT

ABSTECHMEISSELHALTER, HÖHENEINSTELLBAR, ÜBERKOPF LINKS
PORTAHERRAMIENTAS AJUSTABLE CON ASIENTO PARA CUCHILLA DE CORTE, INVERTIDO, IZQUIERDO
ДЕРЖАТЕЛИ ОТРЕЗНЫХ РЕЗЦОВ С ВЕРТИКАЛЬНОЙ РЕГУЛИРОВКОЙ ПЕРЕВЕРНУТЫЕ ЛЕВЫЕ

PORTAUTENSILE REGOLABILE CON SEDE PER LAMA DA TAGLIO ROVESCIATO, SINISTRO
PORTE-OUTIL DE TRONCONNAGE AVEC REGLAGE EN HAUTEUR, RENVERSE, GOUCHE
用于切割工具的刀柄高度可调，倒置，右侧(左侧)

DIN 69880 - ALU



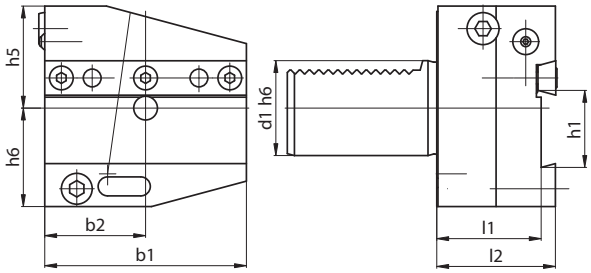
CODE N.	d1	b1	b2	h1	h5	h6	l1	l2
ALU4032	40	85	42.5	32	43	41.5	44	50

Spare parts on page 361 - Vedi ricambi a pag. 361 - Ver las piezas de repuesto a la pág. 361
S. Ersatzteile auf Seite 361 - Voyez les pièces détachées à la page 361
Запасные части на стр. 361 - 附件部分见 361 页

TOOLHOLDER FOR CUT OFF TOOLS ADJUSTABLE IN HEIGHT, LEFT

ABSTECHMEISSELHALTER, HÖHENEINSTELLBAR, LINKS
PORTAHERRAMIENTAS AJUSTABLE CON ASIENTO PARA CUCHILLA DE CORTE, IZQUIERDO
ДЕРЖАТЕЛИ ОТРЕЗНЫХ РЕЗЦОВ С ВЕРТИКАЛЬНОЙ РЕГУЛИРОВКОЙ ЛЕВЫЕ
PORTAUTENSILE REGOLABILE CON SEDE PER LAMA DA TAGLIO, SINISTRO
PORTE-OUTIL DE TRONCONNAGE AVEC REGLAGE EN HAUTEUR, A GAUCHE
用于切割工具的刀柄高度可调，左侧

DIN 69880 - AL



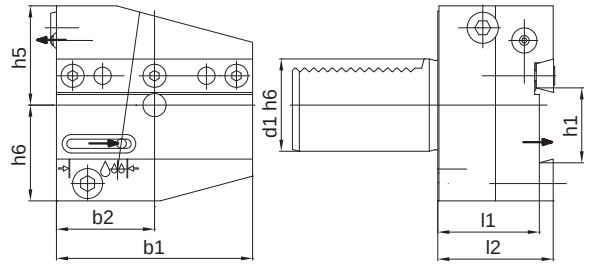
CODE N.	d1	b1	b2	h1	h5	h6	l1	l2
AL3026	30	70	35	26	32	39	44	50
AL4032	40	85	42.5	32	43	41.5	44	50

Spare parts on page 361 - Vedi ricambi a pag. 361 - Ver las piezas de repuesto a la pág. 361
S. Ersatzteile auf Seite 361 - Voyez les pièces détachées à la page 361
Запасные части на стр. 361 - 附件部分见 361 页

TOOLHOLDER FOR CUT OFF TOOLS ADJUSTABLE IN HEIGHT, LEFT

ABSTECHMEISSELHALTER, HÖHENEINSTELLBAR, LINKS
PORTAHERRAMIENTAS AJUSTABLE CON ASIENTO PARA CUCHILLA DE CORTE, IZQUIERDO
ДЕРЖАТЕЛИ ОТРЕЗНЫХ РЕЗЦОВ С ВЕРТИКАЛЬНОЙ РЕГУЛИРОВКОЙ ЛЕВЫЕ
PORTAUTENSILE REGOLABILE CON SEDE PER LAMA DA TAGLIO, SINISTRO
PORTE-OUTIL DE TRONCONNAGE AVEC REGLAGE EN HAUTEUR, A GAUCHE
用于切割工具的刀柄高度可调，左侧

DIN 69880 - AL



DIN 69880-AL
IC

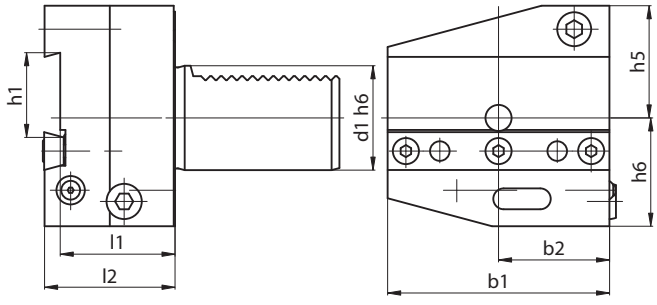
CODE N.	d1	b1	b2	h1	h5	h6	l1	l2
AL3026-IC	30	70	35	26	32	39	44	50
AL4026-IC	40	85	42.5	26	43	41.5	44	50
AL4032-IC	40	85	42.5	32	43	41.5	44	50

Spare parts on page 361 - Vedi ricambi a pag. 361 - Ver las piezas de repuesto a la pág. 361
S. Ersatzteile auf Seite 361 - Voyez les pièces détachées à la page 361
Запасные части на стр. 361 - 附件部分见 361 页

TOOLHOLDER FOR CUT OFF TOOLS ADJUSTABLE IN HEIGHT, UPSIDE-DOWN, RIGHT

ABSTECHMEISSELHALTER, HÖHENEINSTELLBAR, ÜBERKOPF RECHTS
PORTAHERRAMIENTAS AJUSTABLE CON ASIENTO PARA CUCHILLA DE CORTE, INVERTIDO, DERECHO
ДЕРЖАТЕЛИ ОТРЕЗНЫХ РЕЗЦОВ С ВЕРТИКАЛЬНОЙ РЕГУЛИРОВКОЙ ПЕРЕВЕРНУТЫЕ ПРАВЫЕ
PORTAUTENSILE REGOLABILE CON SEDE PER LAMA DA TAGLIO ROVESCIATO, DESTRO
PORTE-OUTIL DE TRONCONNAGE AVEC REGLAGE EN HAUTEUR, RENVERSE, DROITE
用于切割工具的刀柄高度可调，倒置，右侧(左侧)

DIN 69880 - ARU



CODE N.	d1	b1	b2	h1	h5	h6	l1	l2
ARU3026	30	70	35	26	38	35	44	50
ARU4032	40	85	42.5	32	43	41.5	44	50

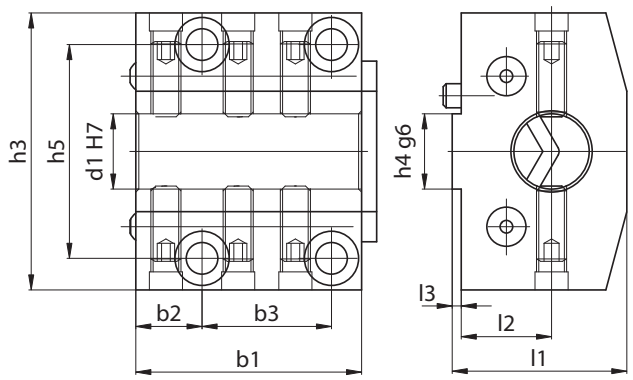
Spare parts on page 361 - Vedi ricambi a pag. 361 - Ver las piezas de repuesto a la pág. 361
S. Ersatzteile auf Seite 361 - Voyez les pièces détachées à la page 361
Запасные части на стр. 361 - 附件部分见 361 页

LONGITUDINAL TOOLHOLDER FOR BORING BARS

LÄNGSWERKZEUGHALTER FÜR BOHRSTANGEN FÜR STERNREVOLVER
PORTAHERRAMIENTAS LONGITUDINAL PARA BARRAS
ДЕРЖАТЕЛИ РАСТОЧНЫХ РЕЗЦОВ ПРОДОЛЬНЫЕ

PORTAUTENSILE LONGITUDINALE PER BARENI, PER TORRETTA RADIALE
PORTE-OUTIL LONGITUDINAL POUR OUTILS A ALESER
镗头柄水平式刀柄

DIN 69880 - PU1



WITH INTERNAL COOLANT
CON PASSAGGIO REFRIGERANTE INTERNO
CO REFRIGERACION INTERNA
MIT INNENKÜHLUNG
AVEC ARROSAGE INTERNE
С ВНУТРЕННИМ ПОДВОДОМ СОЖ
内置冷却剂供应装置

pag. 363

pag. 364

pag. 364

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

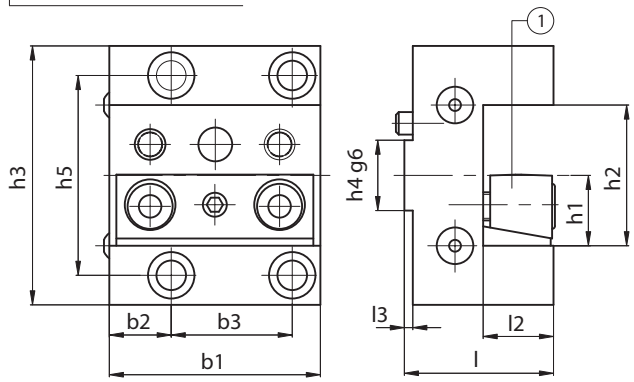
CODE N.	d1	h3	h4	h5	b1	b2	b3	l1	l2	l3
PU1-20-25	25	74	20	57	60	17.5	34	48	25	3
PU1-20-32	32	74	20	57	60	17.5	34	48	25	3
PU1-25-20	20	92	25	71	75	22	43	58	30	3
PU1-25-25	25	92	25	71	75	22	43	58	30	3
PU1-25-32	32	92	25	71	75	22	43	58	30	3
PU1-25-40	40	92	25	71	75	22	43	58	30	3
PU1-25-50	50	92	25	71	75	22	43	73	38	3
PU1-32-25	25	115	32	90	95	26	57	73	35	3
PU1-32-32	32	115	32	90	95	26	57	73	35	3
PU1-32-40	40	115	32	90	95	26	57	73	35	3
PU1-32-50	50	115	32	90	95	26	57	73	35	3
PU1-32-60	60	115	32	90	95	26	57	83	40	3

LONGITUDINAL TOOLHOLDER WITH REVERSIBLE SQUARE SEAT

LÄNGSWERKZEUGHALTER MIT VIERKANTAUFNAHME FÜR STERNREVOLVER
PORTAHERRAMIENTAS CON SEDE CUADRADA, REVERSIBLE, LONGITUDINAL
РЕЗЦЕДЕРЖАТЕЛИ ПРОДОЛЬНЫЕ ДВУСТОРОННИЕ

PORTAUTENSILE A SEDE QUADRA, REVERSIBILE LONGITUDINALE PER TORRETTA RADIALE
PORTE-OUTIL LONGITUDINAL AVEC SIEGE CARREE, REVERSIBLE
可逆方座水平式刀柄

DIN 69880 - PU2



CODE N.	h1	h2	h3	h4	h5	b1	b2	b3	l1	L2	l3	CLAMPING PLATE
												1
PU2-20-20	20	40	74	20	57	60	17.5	34	43	20	3	832-007160
PU2-25-25	25	50	92	25	71	75	22	43	53	25	3	832-007010
PU2-32-32	32	64	115	32	90	95	26	57	63	32	3	832-007170

KIT VDI TOOL HOLDERS

WERKZEUGHALTERSATZ KIT PORTA UTENSILI
SETS DE PORTAHERRAMIENTAS VDI JEUX PORTE-OUTILS
НАБОРЫ VDI ОПРАВОК VDI 刀柄组套

CODE DIN 69880	DESCRIPTION - DESCRIZIONE	
KIT VDI 30 DX	N°4 portaut.trasver.dx. (B1)	N°4 turning RH short (B1)
	N°1 portaut.trasv.rov.dx. (B3)	N°1 turning RH overhead (B3)
	N°1 portaut.longit.dx. (C1)	N°1 axial holder RH (C1)
	N°1 portapunte inserti Ø20 (E1)	N°1 U drill holder Ø20 (E1)
	N°1 portabareno Ø25 (E2)	N°1 boring bar holder Ø25 (E2)
	N°1 portabareno Ø20 (E2)	N°1 boring bar holder Ø20 (E2)
	N°1 portabareno Ø16 (E2)	N°1 boring bar holder Ø16 (E2)
	N°2 portapince ER32 (E4)	N°2 collet chucks ER32 (E4)
	N°1 bussola di riduzione Ø25-10	N°1 reduction Ø25-10
	N°1 bussola di riduzione Ø25-12	N°1 reduction Ø25-12
	N°10 pinze ER32	N°10 collets ER32
	(Ø3 4 6 8 10 12 14 16 18 20)	(Ø3 4 6 8 10 12 14 16 18 20)
	N°1 chiave per ER32	N°1 wrench ER32

Der gleiche Satz kann mit Radial-und Längenwerkzeughalter Linksversion mit der Artikelnummer angeboten werden.

The same Kit can be supplied with LEFT radial and axial toolders with code n°

El mismo set se puede suministrar con los portaherramientas radiales y longitudinales en la versión IZQUIERDA con el código

Такой же набор может быть сформирован и с левыми радиальными и аксиальными оправками под артикулом:

Le même jeux peut être fourni avec porte-outils radials et longitudinals dans la version gauche avec référence.

Lo stesso Kit può essere fornito con portautensili radiali e longitudinali in versione SINISTRA con codice

可提供相同的套件带产品号的左侧径向及轴向刀柄。

KITVDI30SX

CODE DIN 69880	DESCRIPTION - DESCRIZIONE	
KIT VDI 40 DX	N°4 portaut.trasver.dx. (B1)	N°4 turning RH short (B1)
	N°1 portaut.trasv.rov.dx. (B3)	N°1 turning RH overhead (B3)
	N°1 portaut.longit.dx. (C1)	N°1 axial holder RH (C1)
	N°1 portapunte inserti Ø32 (E1)	N°1 U drill holder Ø32 (E1)
	N°1 portabareno Ø16 (E2)	N°1 boring bar holder Ø16 (E2)
	N°1 portabareno Ø25 (E2)	N°1 boring bar holder Ø25 (E2)
	N°1 portabareno Ø32 (E2)	N°1 boring bar holder Ø32 (E2)
	N°2 portapince ER32 (E4)	N°2 collet chucks ER32 (E4)
	N°1 bussola di riduzione Ø32-12	N°1 reduction Ø32-12
	N°1 bussola di riduzione Ø32-20	N°1 reduction Ø32-20
	N°1 bussola CM3	N°1 reduction MT3
	N°10 pinze ER32	N°10 collets ER32
	(Ø3 4 6 8 10 12 14 16 18 20)	(Ø3 4 6 8 10 12 14 16 18 20)
	N°1 chiave per ER32	N°1 wrench ER32

Der gleiche Satz kann mit Radial-und Längenwerkzeughalter Linksversion mit der Artikelnummer angeboten werden.

The same Kit can be supplied with LEFT radial and axial toolders with code n°

El mismo set se puede suministrar con los portaherramientas radiales y longitudinales en la versión IZQUIERDA con el código

Такой же набор может быть сформирован и с левыми радиальными и аксиальными оправками под артикулом:

Le même jeux peut être fourni avec porte-outils radials et longitudinals dans la version gauche avec référence.

Lo stesso Kit può essere fornito con portautensili radiali e longitudinali in versione SINISTRA con codice

可提供相同的套件带产品号的左侧径向及轴向刀柄。

KITVDI40SX

KINTEK®

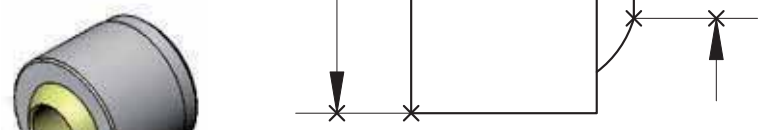
COMPONENTI INNOVATIVI TECNOMECCANICI

SPARE PARTS

COOLANT NOZZLES

SPRITZDÜSEN UGELLO REFRIGERANTE
BOQUILLAS DE REFRIGERACION BUSE D'ARROSAGE
СОПЛА ДЛЯ ПОДАЧИ СОЖ 冷却剂喷嘴

DIN 69880

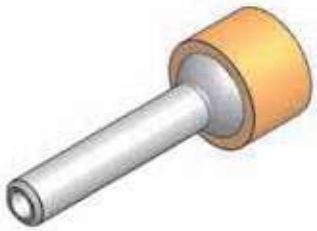


CODE N.	D	L	M
PWZ1005D6x4,5	6	5	M 2,5
PWZ1008D8x6	8	6	M 4
PWZ1008D10x7	10	7	M 5
PWZ1012D12x8	12	8	M 6
PWZ1012D14x10	14	9	M 8
PWZ1014D16x12	16	10	M 10

EXTENSION FOR COOLANT NOZZLES

SPRITZROHR PROLUNGHE UGELLO REFRIGERANTE
EXTENSIONES PARA BOQUILLAS DE REFRIGERACION RALLONGE POUR BUSE D'ARROSAGE
УДЛИНИТЕЛИ ДЛЯ СОПЛ 加长冷却剂喷嘴

DIN 69880

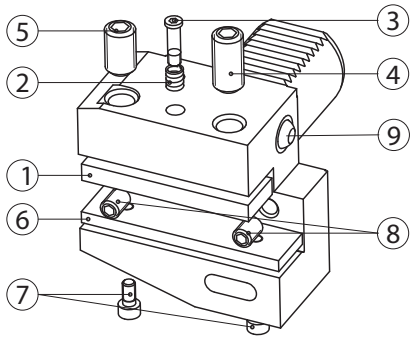


CODE N.	M	D	L
833-00151	M 4	1	30
833-00152	M 4	2	30
833-00153	M 5	2	30
833-00154	M 5	3	40
833-00155	M 6	2	30
833-00156	M 6	3	35
833-00157	M 6	4	50
833-00158	M 8	2	25
833-00159	M 8	3	25
833-00160	M 8	4	35
833-00161	M 8	5	50
833-00164	M 10	6	50

SPARE PARTS

ERSATZTEILE COMPONENTI
PIEZAS DE REPUESTO PIECES DETACHEES
ЗАПАСНЫЕ ЧАСТИ 附件

DIN 69880 - B1- B2 - B3 - B4



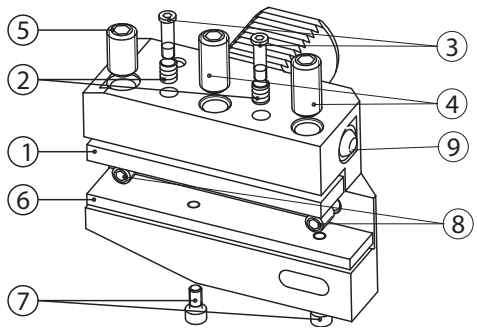
CODE N.	TOOL CLAMP PLATE	SPRING	Q	SCREW	Q	LOCKING SCREW	Q	LOCKING SCREW SHORT	SHIM PLATE	SCREW	Q	STOP SCREW
	1	2		3		4		5	6	7		8
B..-16x12x...	832-002084	824-101010	1	811-302009	1	811-102047	1	811-102019	-	-	-	811-102020
B..-20x16x...	832-002003	824-101010	1	811-302004	1	811-102030	1	811-102029	832-003003	811-101016	1	811-102020
B..-25x16x...	832-002003	824-101010	1	811-302004	1	811-102030	1	811-102029	832-003003	811-101016	1	811-102020
B1-30x20x... B2-30x20x...	832-002012	824-101010	1	811-302004	1	811-102044	1	811-102043	832-003007	811-101016	1	811-102028
B3-30x20x... B4-30x20x...	832-002012	824-101010	1	811-302004	1	811-102045	1	811-102044	832-003007	811-101016	1	811-102028
B1-40x25x44 B2-40x25x44	832-002019	824-101010	1	811-302004	1	811-102045	1	811-102044	832-003012	811-101016	2	811-102028
B3-40x25x44 B4-40x25x44	832-002019	824-101010	1	811-302004	1	811-102047	1	811-102045	832-003033	811-101016	2	811-102028
B1-50x32x55 B2-50x32x55	832-002025	824-101010	1	811-302004	1	811-102045	2	-	832-003016	811-101017	2	811-102036
B3-50x32x55 B4-50x32x55	832-002025	824-101010	1	811-302004	1	811-102083	1	811-102047	832-003034	811-101017	2	811-102036
B1-60x32x60 B2-60x32x60	832-002028	824-101020	1	811-302013	1	811-102054	2	-	832-003019	811-101017	2	811-102036
B3-60x32x60 B4-60x32x60	832-002028	824-101020	1	811-302013	1	811-102057	1	811-102054	832-003019	811-101017	2	811-102036
B1-80x40x75 B2-80x40x75	832-002034	824-101020	2	811-302013	2	811-102056	3	-	832-003021	811-101017	2	811-102036
B3-80x40x75 B4-80x40x75	832-002034	824-101020	2	811-302013	2	811-102058	2	811-102056	832-003021	811-101017	2	811-102036

CODE N.	COOLANT NOOSE
	9
B...16x12...	PWZ1008D8X6
B1-20x16x...	PWZ1008D10X7
B2-20x16x...	PWZ1008D10X7
B3-20x16x...	PWZ1008D10X7
B4-20x16x...	PWZ1008D10X7
B1-25x16x...	PWZ1008D10X7
B2-25x16x...	PWZ1008D10X7
B3-25x16x...	PWZ1008D10X7
B4-25x16x40	PWZ1008D10X7
B4-25x16x30	PWZ1008D10X7
B..-30x20x...	PWZ1012D14X10
B..-40x25x44	PWZ1012D14X10
B..-50x32x55	PWZ1012D14X10
B..-60x32x60	PWZ1012D14X10
B..-80x40x75	PWZ1012D14X10

SPARE PARTS

ERSATZTEILE COMPONENTI
PIEZAS DE REPUESTO PIECES DETACHEES
ЗАПАСНЫЕ ЧАСТИ 附件

DIN 69880 - B5 - B6 - B7 - B8



CODE N.	TOOL CLAMP PLATE	SPRING	Q	SCREW	Q	LOCKING SCREW	Q	LOCKING SCREW SHORT	SHIM PLATE	SCREW	Q	STOP SCREW
	1	2		3		4		5	6	7		8
B..-16x12x...	832-002051	824-101010	2	811-302009	2	811-402047	2	811-102019	-	-	-	811-102020
B..-20x16x...	832-002006	824-101010	2	811-302004	2	811-102030	2	811-102029	832-003005	811-101016	1	811-102020
B..-25x16x...	832-002006	824-101010	2	811-302004	2	811-102030	2	811-102029	832-003005	811-101016	1	811-102020
B5-30x20x... B6-30x20x...	832-002013	824-101010	2	811-302004	2	811-102044	2	811-102043	832-003009	811-101016	2	811-102028
B7-30x20x... B8-30x20x...	832-002013	824-101010	2	811-302004	2	811-102045	2	811-102044	832-003009	811-101016	1	811-102028
B5-40x25x44 B6-40x25x44	832-002021	824-101010	2	811-302004	2	811-102045	2	811-102044	832-003014	811-101016	2	811-102028
B7-40x25x44 B8-40x25x44	832-002021	824-101010	2	811-302004	2	811-102047	2	811-102045	832-003014	811-101016	2	811-102028
B5-50x32x55 B6-50x32x55	832-002026	824-101010	2	811-302004	2	811-102045	3	-	832-003018	811-101017	2	811-102036
B7-50x32x55 B8-50x32x55	832-002026	824-101010	2	811-302004	2	811-102083	2	811-102047	832-003018	811-101017	2	811-102036
B5-60x32x60 B6-60x32x60	832-002029	824-101020	2	811-302013	2	811-102054	3	-	832-003020	811-101017	2	811-102036
B7-60x32x60 B8-60x32x60	832-002029	824-101020	2	811-302013	2	811-102057	2	811-102054	832-003020	811-101017	2	811-102036
B5-80x40x75 B6-80x40x75	832-002035	824-101020	2	811-302013	2	811-102056	3	-	832-003022	811-101017	2	811-102036
B7-80x40x75 B8-80x40x75	832-002035	824-101020	2	811-302013	2	811-102058	2	811-102056	832-003022	811-101017	2	811-102036

CODE N.	COOLANT NOOSE
	9
B...16x12...	PWZ1008D8X6
B..-20x16x...	PWZ1008D10X7
B..-25x16x...	PWZ1008D10X7
B..-30x20x...	PWZ1012D14X10
B..-40x25x44	PWZ1012D14X10
B..-50x32x55	PWZ1012D14X10
B..-60x32x60	PWZ1012D14X10
B..-80x40x75	PWZ1012D14X10

SPARE PARTS

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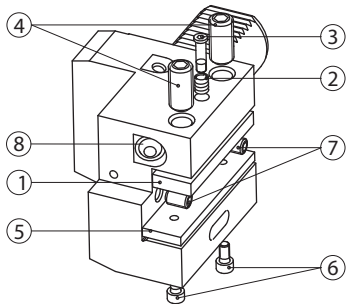
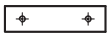
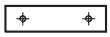
ЗАПАСНЫЕ ЧАСТИ 附件

DIN 69880 - C1 - C2 - C3 - C4



CODE N.	TOOL CLAMP PLATE	SPRING	Q	SCREW	Q	LOCKING SCREW	Q	SHIM PLATE	SCREW	Q	STOP SCREW
	1 	2		3		4		5 	6		7
C..-16x12x44	832-002090	824-101010	1	811-302009	1	811-402047	2	-	-	-	811-102020
C..-20x16x50	832-002004	824-101010	1	811-302004	1	811-102030	2	832-003002	811-101016	1	811-102020
C..-20x16x55	832-002003	824-101010	1	811-302004	1	811-102030	2	832-003003	811-101016	1	811-102020
C..-25x16x55	832-002003	824-101010	1	811-302004	1	811-102030	2	832-003003	811-101016	1	811-102020
C1-30x20x70 C2-30x20x70	832-002012	824-101010	1	811-302004	1	811-102044	2	832-003007	811-101016	1	811-102028
C1-S-30x20/16 C2-S-30x20/16	832-002008	824-101010	1	811-302004	1	811-102044	2	832-003198	811-101016	1	-
C3-30x20x70 C4-30x20x70	832-002012	824-101010	1	811-302004	1	811-102045	2	832-003007	811-101016	1	811-102028
C1-40x25x85 C2-40x25x85	832-002019	824-101010	1	811-302004	1	811-102045	2	832-003012	811-101016	2	811-102028
C1-S40x25/20 C2-S40x25/20	832-002058	824-101010	1	811-302004	1	811-102045	2	832-003200	811-101016	1	-
C3-40x25x85 C4-40x25x85	832-002019	824-101010	1	811-302004	1	811-102047	2	832-003012	811-101016	2	811-102028
C1-50x32x100 C2-50x32x100	832-002025	824-101010	1	811-302004	1	811-102045	2	832-003016	811-101017	2	811-102036
C1-S50x32/25 C2-S50x32/25	832-002066	824-101010	1	811-302004	1	811-102047	2	832-003199	811-101017	2	-
C3-50x32x100 C4-50x32x100	832-002025	824-101010	1	811-302004	1	811-102083	2	832-003016	811-101017	2	811-102036
C1-60x32x125 C2-60x32x125	832-002028	824-101020	1	811-302013	1	811-102054	2	832-003019	811-101017	2	811-102036
C1-S60x32 C2-S60x32	832-002160	824-101020	1	811-302013	1	811-102054	2	-	-	-	-
C3-60x32x125 C4-60x32x125	832-002028	824-101020	1	811-302013	1	811-102056	2	832-003019	811-101017	2	811-102036
C1-80x40x160 C2-80x40x160	832-002036	824-101020	2	811-302013	2	811-102056	3	832-003023	811-101017	2	811-102036
C1-S80x40 C2-S80x40	832-002161	824-101020	1	811-302013	1	811-102056	2	-	-	-	-
C3-80x40x160 C4-80x40x160	832-002036	824-101020	2	811-302013	2	811-102058	3	832-003023	811-101017	2	811-102036

CODE N.	COOLANT NOOSE
	8
C...16x12x...	PWZ1005D6X4,5
C..-20x16x...	PWZ1008D10X7
C..-25x16x...	PWZ1008D10X7
C..-30x20x...	PWZ1012D14X10
C..-40x25x...	PWZ1012D14X10
C..-50x32x...	PWZ1012D14X10
C..-60x32x...	PWZ1012D14X10
C..-80x40x...	PWZ1012D14X10

SPARE PARTS

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PIEZAS DE REPUESTO PIECES DETACHEES
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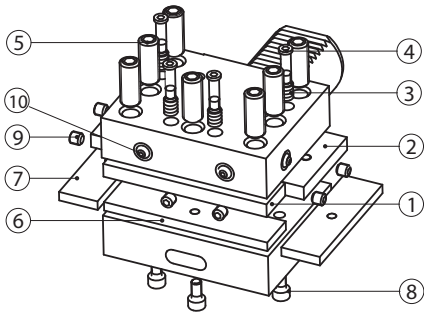
DIN 69880 - D1-D2



CODE N.	TOOL CLAMP PLATE (rad)	TOOL CLAMP PLATE (ax)	SPRING	Q	SCREW	Q	LOCKING SCREW	Q	SHIM PLATE (rad)	SHIM PLATE (ax)	SCREW	Q	STOP SCREW
	1	2	3		4		5		6	7	8		9
D.-25x16x48	832-002136	832-002098	824-101010	3	811-302004	3	811-102030	6	832-003004	832-003179	811-101016	3	811-102011
D.-30x20x60	832-002118	832-002009	824-101010	4	811-302004	4	811-102030	7	832-003008	832-003006	811-101016	3	811-102017
D1-40x25x72	832-002119	832-002015	824-101010	4	811-302004	4	811-102039	7	832-003013	832-003010	811-101016	3	811-102017
D2-40x25x72	832-002119	832-002015	824-101010	4	811-302004	4	811-102041	7	832-003013	832-003010	811-101016	3	811-102017
D1-50x32x85	832-002120	832-002023	824-101010	4	811-302004	4	811-102039	7	832-003017	832-003015	811-101017	3	811-102026
D2-50x32x85	832-002120	832-002023	824-101010	4	811-302004	4	811-102041	7	832-003017	832-003015	811-101017	3	811-102026
D1-60x32x110	832-002134	832-002071	824-101020	4	811-302013	4	811-102047	7	832-003025	832-003024	811-101017	6	811-102026
D2-60x32x110	832-002134	832-002071	824-101020	4	811-302013	4	811-102083	7	832-003025	832-003024	811-101017	6	811-102026
D1-80x40x140	832-002135	832-002033	824-101020	4	811-302013	4	811-102056	7	832-003093	832-003092	811-101017	6	811-102026
D2-80x40x140	832-002135	832-002033	824-101020	4	811-302013	4	811-102058	7	832-003093	832-003092	811-101017	6	811-102026

CODE N.	COOLANT NOOSE
	10
D..-25x16x48	PWZ1008D8X6
D..-30x20x60	PWZ1008D8X6
D..-40x25x72	PWZ1008D10X7
D..-50x32x85	PWZ1008D10X7
D..-60x32x85	PWZ1012D12X8
D..-80x40x140	PWZ1012D12X8

SPARE PARTS

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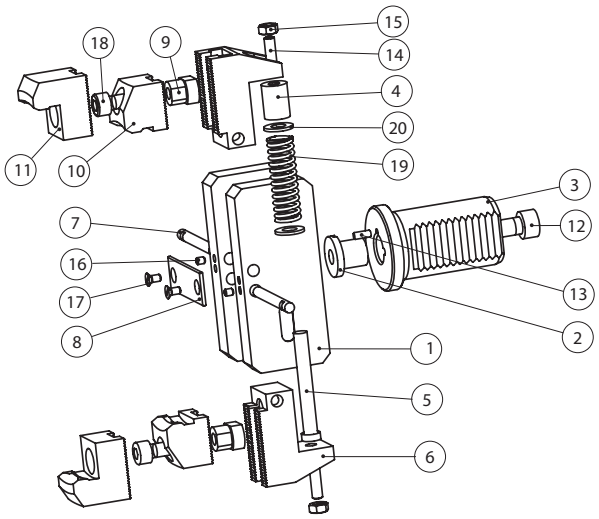
ЗАПАСНЫЕ ЧАСТИ 附件

DIN 69880 - HK1



CODE N.	BODY	THREADED PAWL	SHANK	PAWL	PIN	JAW BASE	PIN	PLATE	DIE SLIDE	SHORT JAW	LONG JAW
	1	2	3	4	5	6	7	8	9	10	11
H116K	H1-1x20	H1-2x16	H1-3x16	H1-4x20-30	H1-5x30	H1-6x30	H1-7x30	H1-8x30	H1-9x30-40	H1-10x30-40	H1-11x30-40
H120K	H1-1x20	H1-2x20	H1-3x20	H1-4x20-30	H1-5x30	H1-6x30	H1-7x30	H1-8x30	H1-9x30-40	H1-10x30-40	H1-11x30-40
H125K	H1-1x30	H1-2x30-40	H1-3x25	H1-4x20-30	H1-5x30	H1-6x30	H1-7x30	H1-8x30	H1-9x30-40	H1-10x30-40	H1-11x30-40
H125KC	H1-1x30	H1-2x30-40	H1-3x25C	H1-4x20-30	H1-5x30	H1-6x30	H1-7x30	H1-8x30	H1-9x30-40	H1-10x30-40	H1-11x30-40
H130K	H1-1x30	H1-2x30-40	H1-3x30	H1-4x20-30	H1-5x30	H1-6x30	H1-7x30	H1-8x30	H1-9x30-40	H1-10x30-40	H1-11x30-40
H132KC	H1-1x30	H1-2x30-40	H1-3x32C	H1-4x20-30	H1-5x30	H1-6x30	H1-7x30	H1-8x30	H1-9x30-40	H1-10x30-40	H1-11x30-40
H140K	H1-1x40	H1-2x30-40	H1-3x40	H1-4x40	H1-5x40	H1-6x40	H1-7x40	H1-8x40	H1-9x30-40	H1-10x30-40	H1-11x30-40
H140KC	H1-1x40	H1-2x30-40	H1-3x40C	H1-4x40	H1-5x40	H1-6x40	H1-7x40	H1-8x40	H1-9x30-40	H1-10x30-40	H1-11x30-40
H150K	H1-1x50-60	H1-2x50-60	H1-3x50	H1-4x50-60	H1-5x50-60	H1-6x50-60	H1-7x50-60	H1-8x50-60	H1-9x50-60	H1-10x50-60	H1-11x50-60
H150KC	H1-1x50-60	H1-2x50-60	H1-3x50C	H1-4x50-60	H1-5x50-60	H1-6x50-60	H1-7x50-60	H1-8x50-60	H1-9x50-60	H1-10x50-60	H1-11x50-60
H160K	H1-1x50-60	H1-2x50-60	H1-3x60	H1-4x50-60	H1-5x50-60	H1-6x50-60	H1-7x50-60	H1-8x50-60	H1-9x50-60	H1-10x50-60	H1-11x50-60

CODE N.	SCREW	PIN	SCREW	NUT	SCREW	SCREW	SCREW	SPRING	WASHER
	12	13	14	15	16	17	18	19	20
H116K	811-401041	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101050	813-101090
H120K	811-401111	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101050	813-101090
H125K	811-101055	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101050	813-101090
H125KC	811-101055	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101050	813-101090
H130K	811-101055	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101050	813-101090
H132KC	811-101055	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101050	813-101090
H140K	811-101055	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101060	813-101090
H140KC	811-101055	815-210090	811-102022	812-101004	811-102002	811-108006	811-101040	824-101060	813-101090
H150K	811-101068	815-210180	811-102030	812-101005	811-102002	811-108006	811-101052	824-101120	813-101100
H150KC	811-101068	815-210180	811-102030	812-101005	811-102002	811-108006	811-101052	824-101120	813-101100
H160K	811-101068	815-210180	811-102030	812-101005	811-102002	811-108006	811-101052	824-101120	813-101100

SPARE PARTS

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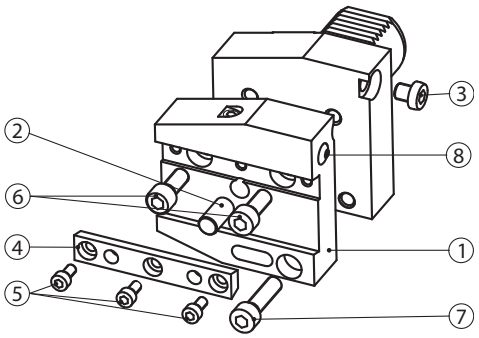
DIN 69880 - AR-AL-ARU-ALU



CODE N.	TOOL HOLDER PLATE ❶	PIN ❷	STOP SCREW ❸	TOOL CLAMPING ❹	SCREW ❺	SCREW ❻	SCREW ❼	COOLANT NOOSE ❽
AR2026	117-120101	815-210010	811-303103	832-002097	811-101016	811-101029	811-101031	PWZ1008D8X6
AL2026	117-220101	815-210010	811-303103	832-002097	811-101016	811-101029	811-101031	PWZ1008D8X6
AR2526	117-125101	815-210010	811-303103	832-002097	811-101016	811-101029	811-101031	PWZ1008D8X6
AL2526	117-225101	815-210010	811-303103	832-002097	811-101016	811-101029	811-101031	PWZ1008D8X6
ARU2526	117-325101	815-210010	811-303103	832-002145	811-101016	811-101029	811-101031	PWZ1008D8X6
ALU2526	117-425101	815-210010	811-303125	832-002145	811-101016	811-101029	811-101031	PWZ1008D8X6
AR3026	117-130101	815-210010	811-303011	832-002037	811-101016	811-101040	811-101042	PWZ1008D10X7
AL3026	117-230101	815-210010	811-303011	832-002037	811-101016	811-101040	811-101042	PWZ1008D10X7
ARU3026	117-330101	815-210010	811-303011	832-002037	811-101016	811-101040	811-101042	PWZ1008D10X7
ALU3026	117-430101	815-210010	811-303011	832-002037	811-101016	811-101040	811-101042	PWZ1008D10X7
AR4026	117-140101	815-210020	811-303011	832-002038	811-101016	811-101040	811-101042	PWZ1008D10X7
AL4026	117-240101	815-210020	811-303011	832-002038	811-101016	811-101040	811-101042	PWZ1008D10X7
ARU4026	117-340101	815-210020	811-303011	832-002038	811-101016	811-101040	811-101042	PWZ1008D10X7
ALU4026	117-440101	815-210020	811-303011	832-002038	811-101016	811-101040	811-101042	PWZ1008D10X7
AR4032	117-140111	815-210020	811-303011	832-002039	811-101016	811-101040	811-101042	PWZ1008D10X7
AL4032	117-240111	815-210020	811-303011	832-002039	811-101016	811-101040	811-101042	PWZ1008D10X7
ARU4032	117-340111	815-210020	811-303011	832-002039	811-101016	811-101040	811-101042	PWZ1008D10X7
ALU4032	117-440111	815-210020	811-303011	832-002039	811-101016	811-101040	811-101042	PWZ1008D10X7
AR5026	117-150101	815-210020	811-303011	832-002040	811-101027	811-101040	811-101042	PWZ1012D14X10
AL5026	117-250101	815-210020	811-303011	832-002040	811-101027	811-101040	811-101042	PWZ1012D14X10
ARU5026	117-350101	815-210020	811-303011	832-002040	811-101027	811-101040	811-101042	PWZ1012D14X10
ALU5026	117-450101	815-210020	811-303011	832-002040	811-101027	811-101040	811-101042	PWZ1012D14X10
AR5032	117-150111	815-210020	811-303011	832-002041	811-101027	811-101040	811-101042	PWZ1012D14X10
AL5032	117-250111	815-210020	811-303011	832-002041	811-101027	811-101040	811-101042	PWZ1012D14X10
ARU5032	117-350111	815-210020	811-303011	832-002041	811-101027	811-101040	811-101042	PWZ1012D14X10
ALU5032	117-450111	815-210020	811-303011	832-002041	811-101027	811-101040	811-101042	PWZ1012D14X10
AR6032	117-160101	815-210030	811-303012	832-002042	811-101027	811-101052	811-101054	PWZ1012D14X10
AL6032	117-260101	815-210030	811-303012	832-002042	811-101027	811-101052	811-101054	PWZ1012D14X10
ARU6032	117-360101	815-210030	811-303012	832-002042	811-101027	811-101052	811-101054	PWZ1012D14X10
ALU6032	117-460101	815-210030	811-303012	832-002042	811-101027	811-101052	811-101054	PWZ1012D14X10

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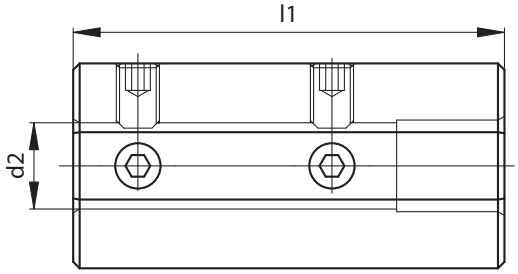
COMPONENTI INNOVATIVI TECNOMECCANICI

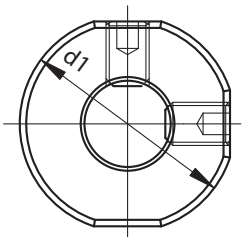
ACCESSORIES

ADAPTOR

REDUZIERHÜLSE BUSSOLA DI RIDUZIONE
CASQUILLOS DE REDUCCION DOUILLE DE REDUCTION
ПЕРЕХОДНИКИ 接头

E2-1





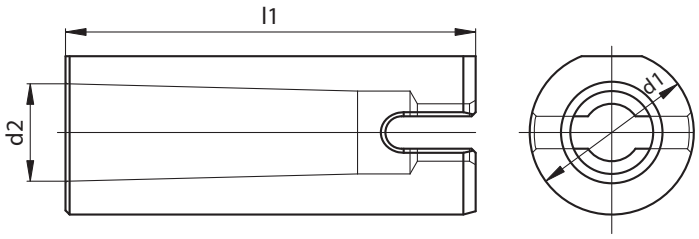
HRC55

CODE N.	d1	d2	l1
E2-1-20x6	20	6	60
E2-1-20x8	20	8	60
E2-1-20x10	20	10	60
E2-1-20x12	20	12	60
E2-1-25x6	25	6	60
E2-1-25x8	25	8	60
E2-1-25x10	25	10	60
E2-1-32x6	32	6	70
E2-1-32x8	32	8	70
E2-1-32x10	32	10	70
E2-1-32x12	32	12	70
E2-1-32x16	32	16	70
E2-1-32x20	32	20	70
E2-1-40x6	40	6	80
E2-1-40x8	40	8	80
E2-1-40x10	40	10	80
E2-1-40x12	40	12	80
E2-1-40x16	40	16	80
E2-1-40x20	40	20	80
E2-1-40x25	40	25	80
E2-1-50x12	50	12	90
E2-1-50x16	50	16	90
E2-1-50x20	50	20	90
E2-1-50x25	50	25	90
E2-1-50x32	50	32	90

ADAPTOR, MORSE TAPER

REDUZIERHÜLSE, MORSEKEGEL
CASQUILLOS DE REDUCCION, CONO MORSE
ПЕРЕХОДНИКИ ДЛЯ КОНУСА МОРЗЕ
BUSSOLA DI RIDUZIONE, CONO MORSE
DOUILLE DE REDUCTION, CONE MORSE
接头莫氏锥度柄

E2-3



HRC55

CODE N.	d1	MK	d2	l1
E2-3-20x1	20	1	12.065	60
E2-3-20x2	20	2	17.780	90
E2-3-32x1	32	1	12.065	60
E2-3-32x2	32	2	17.780	90
E2-3-40x2	40	2	17.780	90
E2-3-40x3	40	3	23.825	100
E2-3-40x4	40	4	31.267	120
E2-3-50x2	50	2	17.780	90
E2-3-50x3	50	3	23.825	100
E2-3-50x4	50	4	31.267	120

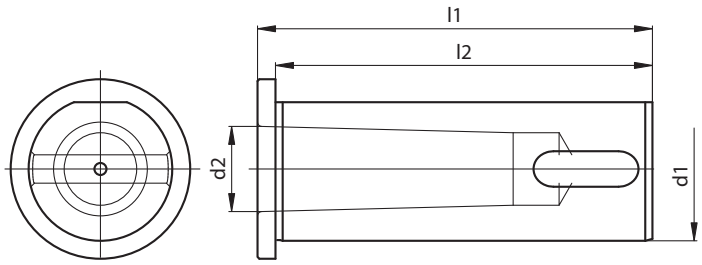
11

KINTEK

MORSE TAPER ADAPTER

M.K. REDUZIERHÜLSE, MIT ANSCHLAG
CASQUILLOS DE REDUCCION, CONO MORSE CON TOPE
ПЕРЕХОДНИКИ ДЛЯ КОНУСА МОРЗЕ
BUSSOLA DI RIDUZIONE CONO MORSE CON BATTUTA
DOUILLE DE REDUCTION, CONE MORSE
莫氏锥度接头

114



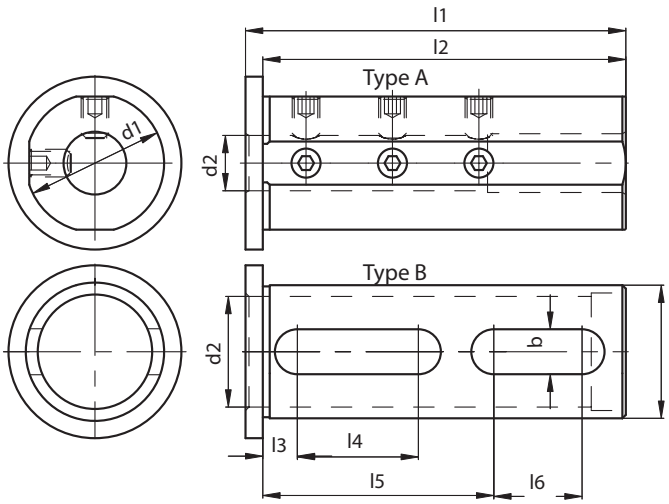
HRC55

CODE N.	d1	MK	d2	l1	l2
114-33208	32	1	12.065	90	85
114-33209	32	2	17.780	90	85
114-33210	32	3	23.825	100	95
114-34008	40	2	17.780	110	105
114-34009	40	3	23.825	110	105
114-34010	40	4	31.267	125	120
114-35004	50	2	17.780	130	125
114-35005	50	3	23.825	130	125
114-35006	50	4	31.267	130	125
114-36007	60	3	23.825	140	130
114-36008	60	4	31.267	140	130
114-36009	60	5	44.399	155	145

CYLINDRICAL BUSHING FOR BORING BAR HOLDERS TYPE

ZYLINDRISCHE REDUZIERHÜLSE MIT ANSCHLAG FÜR BOHRSTANGENHALTER TYP
CASQUILLO DE REDUCCION CILINDRICO CON TOPE, PARA PORTABARRAS
ПЕРЕХОДНИКИ ЦИЛИНДРИЧЕСКИЕ К ДЕРЖАТЕЛЯМ ТИПА ДЛЯ РАСТОЧНЫХ РЕЗЦОВ
BUSSOLA DI RIDUZIONE CILINDRICA CON BATTUTA, PER PORTABARENI
DOUILLE DE REDUCTION CYLINDRIQUES POUR PORTE-BARRES D'ALESAGE
型搪孔柄圆柱套管

115 - 165



TYPE A HRC55 - TYPE B HRC32

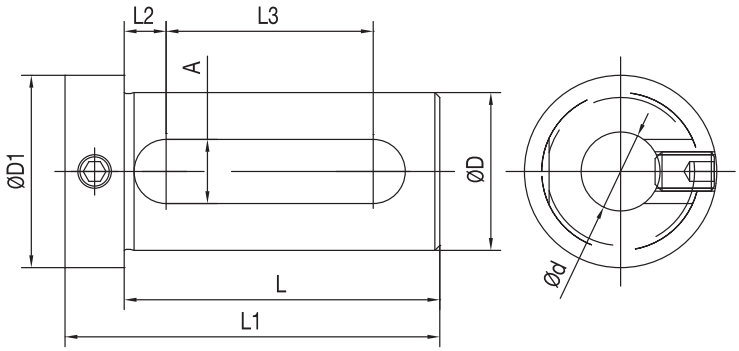
CODE N.	d1	d2	l1	l2	l3	l4	l5	l6	b	TYPE
115-62573	25	6	65	60						A
115-62538	25	8	65	60						A
115-62539	25	10	65	60						A
115-62540	25	12	65	60						A
115-62541	25	16	65	60	9	13	37	12	11	B
165-63222	32	6	90	85						A
115-63260	32	8	90	85						A
115-63261	32	10	90	85						A
115-63211	32	12	90	85						A
115-63212	32	16	90	85						A
115-63213	32	20	90	85						A
115-63214	32	25	90	85	9	25	52	22	11	B
165-64074	40	6	110	105						A
115-64043	40	8	110	105						A
115-64044	40	10	110	105						A
115-64045	40	12	110	105						A
115-64046	40	16	110	105						A
115-64047	40	20	110	105						A
115-64048	40	25	110	105						A
115-64049	40	32	110	105	10	35	65	28	13	B
115-65053	50	12	130	125						A
115-65013	50	16	130	125						A
115-65014	50	20	130	125						A
115-65015	50	25	130	125						A
115-65016	50	32	130	125						A
115-65017	50	40	130	125	10	45	75	37	13	B
115-66017	60	20	140	135						A
115-66018	60	25	140	135						A
115-66019	60	32	140	135						A
115-66020	60	40	140	135						A
115-66021	60	50	140	135	15	40	83	28	13	B
115-68006	80	25	150	145						A
115-68007	80	32	150	145						A
115-68008	80	40	150	145						A
115-68009	80	50	150	145						A
115-68010	80	60	150	145	25	30	80	15	14	B

HEADED BORING BAR SLEEVES WITH SLOT

REDUZIERHÜLSE MIT LANGSCHLITZ UND SCRAUBE AUF DEM BUND
CASQUILLO DE REDUCCION CON OJAL Y TORNILLO EN EL TOPE
ПЕРЕХОДНИКИ К ДЕРЖАТЕЛЯМ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ С РЕЗЬБОЙ И ОТВЕРСТИЕМ

BUSSOLE DI RIDUZIONE CON ASOLA E GRANO SULLA BATTUTA
DOUILLES DE REDUCTION AVEC RAINURE ET VIS SUR LA BRIDE
带槽的有头镗杆套筒

115 - 165

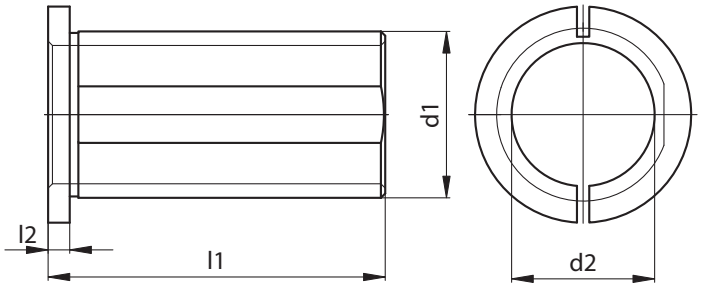


CODE N.	D	d	L	L1	L2	L3	A	D1
115-62044	20	8	50	60	7	29	11	28
115-62045	20	10	50	60	7	29	11	28
115-62046	20	12	50	60	7	29	11	28
115-62047	20	16	50	60	7	29	11	28
165-62545	25	12	55	67	8	32	13	33
165-62547	25	16	55	67	8	32	13	33
165-62549	25	20	55	67	8	32	13	33
165-63347	32	16	65	77	8	42	13	39
165-63349	32	20	65	77	8	42	13	39
165-63350	32	25	65	77	8	42	13	39
165-64241	40	16	75	89	9	51	14	48
165-64243	40	20	75	89	9	51	14	48
165-64244	40	25	75	89	9	51	14	48
165-64245	40	32	75	89	9	51	14	48
165-65017	50	25	85	99	9	61	14	60
165-65018	50	32	85	99	9	61	14	60
165-65019	50	40	85	99	9	61	14	60
165-66056	60	25	95	109	9	71	14	70
165-66057	60	32	95	109	9	71	14	70
165-66058	60	40	95	109	9	71	14	70
165-66059	60	50	95	109	9	71	14	70

TOOL HOLDER BUSHING

ZYLINDRISCHE REDUZIERHÜLSE MIT ANSCHLAG
CASQUILLO DE REDUCCION CILINDRICO CON TOPE
ЦИЛИНДРИЧЕСКИЕ ПЕРЕХОДНИКИ
BUSSOLA DI RIDUZIONE CILINDRICA CON BATTUTA, TAGLIATA
DOUILLE DE REDUCTION CYLINDRIQUE
刀柄套管

RZ



HRC32

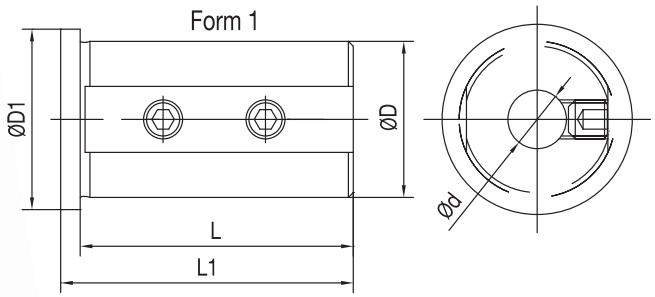
CODE N.	d1	d2	l1	l2
RZ-20x08	20	8	40	4
RZ-20x10	20	10	40	4
RZ-20x12	20	12	40	4
RZ-20x16	20	16	40	4
RZ-25x08	25	8	50	4
RZ-25x10	25	10	50	4
RZ-25x12	25	12	50	4
RZ-25x16	25	16	50	4
RZ-25x20	25	20	50	4
RZ-32x08	32	8	60	4
RZ-32x10	32	10	60	4
RZ-32x12	32	12	60	4
RZ-32x16	32	16	60	4
RZ-32x20	32	20	60	4
RZ-32x25	32	25	60	4
RZ-40x10	40	10	78	4
RZ-40x12	40	12	78	4
RZ-40x16	40	16	78	4
RZ-40x20	40	20	78	4
RZ-40x25	40	25	78	4
RZ-40x32	40	32	78	4
RZ-50x20	50	20	88	4
RZ-50x25	50	25	88	4
RZ-50x32	50	32	88	4
RZ-50x40	50	40	88	4
RZ-60x25	60	25	92	4
RZ-60x32	60	32	92	4
RZ-60x40	60	40	92	4
RZ-60x50	60	50	92	4

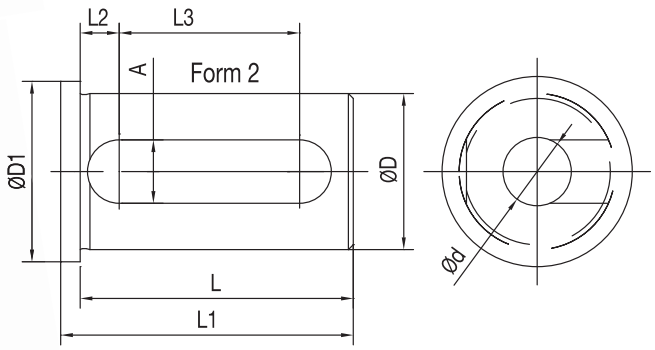
- The elastic clamping reduces the tool vibrations.
- Questo tipo di chiusura elastica riduce le vibrazioni dell'utensile.
- Durch die elastische Spannung werden die Vibrationen des Werkzeuges gedämpft.
- Ese tipo de cierre elástico reduce las vibraciones de la herramienta
- Les vibrations de l'outil sont reduites par le serrage elastique.
- Гибкое соединение снижает вибрацию инструмента.
- 弹性夹头降低了工具的震动

CYLINDRICAL BUSHING FOR BORING BAR HOLDERS TYPE E2

ZYLINDRISCHE REDUZIERHÜLSE MIT ANSCHLAG FÜR ALLE BOHRSTANGENHALTER TYP E2
CASQUILLO DE REDUCCION CILINDRICO CON TOPE, PARA PORTABARRAS DE TIPO E2
ЦИЛИНДРИЧЕСКИЕ ПЕРЕХОДНИКИ К ДЕРЖАТЕЛЯМ ТИПА E2 ДЛЯ РАСТОЧНЫХ РЕЗЦОВ
BUSSOLA DI RIDUZIONE CILINDRICA CON BATTUTA, PER PORTABARENI E2
DOUILLES DE REDUCTION CYLINDRIQUES POUR PORTE-BARRES D'ALESAGE E2
E2 型搪孔柄圆柱套管

165



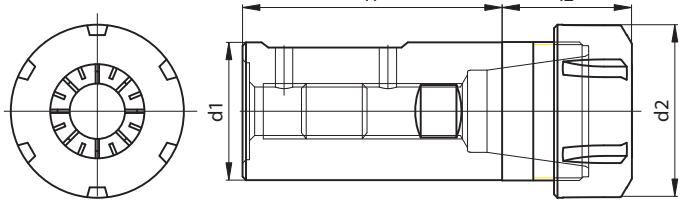


CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30
165-62557	25	20	2	46	50	8	27	13	30
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

COLLET CHUCKS WITH COOLANT HOLES

SPANNZANGENAUFNAHMEN FÜR INNENKÜHLUNG PORTAPINZE CON FORI DI LUBRIFICAZIONE
PORTAPINZAS CON AGUJEROS DE REFRIGERACION PORTE-PINCES AVEC ARROSAGE CENTRAL
ЦАНГОВЫЕ ПАТРОНЫ С ВНУТРЕННИМ ПОДВОДОМ СОЖ 带冷却剂孔的弹簧夹头

NC

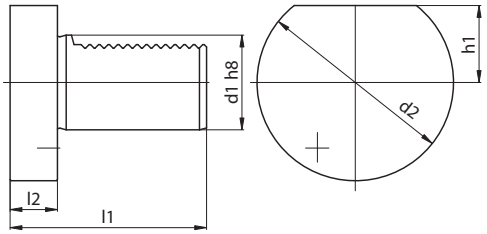


CODE N.	DESCRIPTION	RANGE	d1	d2	l1	l2
214-35170	NC32L70ER25	1-16	32	42	70	32
214-35171	NC32L70ER32	2-20	32	50	70	38
214-35172	NC40L75ER32	2-20	40	50	75	38
214-35173	NC40L75ER40	3-26	40	63	75	55

BLANKING PLUG

VERSCHLUSSTOPFEN TAMPONE DI PROTEZIONE
TAPON DE PROTECCION BOUCHON DE PROTECTION
ЗАГЛУШКИ 切断栓

Z2



CODE N.	d1	d2	h1	l1	l2
Z2-16 **S/P**	16	40	18	45	13
Z2-20 **S/P**	20	50	23	56	16
Z2-30 **S/P**	30	68	28	71	16
Z2-40 **S/P**	40	83	32.5	83	20
Z2-50 **S/P**	50	98	35	98	20
Z2-60 **S/P**	60	123	42.5	114	20

S: Steel - Acciaio - Stahl - Acero
Acier - Сталь - 钢

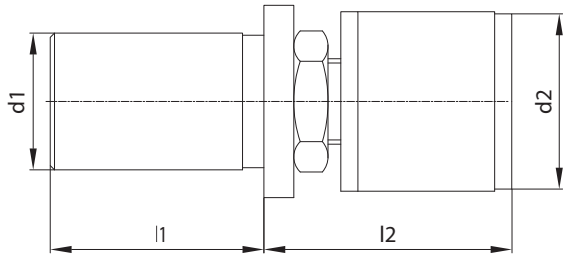
P: Plastic - Plastica - Plastik - Plástico
Plastique - Пластик - 塑料

- Available either in plastic or in steel
  ⋆ Z2-25S is only available in steel
- Fornibili sia in acciaio sia in plastica
  ⋆ Z2-25S fornibili solo in acciaio
- Se suministran tanto en acero como en plástico ⋆ Z2-25S es disponible solo en acero
- Lieferbar sowohl aus Stahl als auch zaus Plastik ⋆ Z2-25S nur aus Stahl
- Disponible soit en acier soit en plastique
  ⋆ Z2-25S seulement en acier
- Возможно изготовление из стали или пластика.
  ⋆ Z2-25S только из стали
- 材料可为塑料或钢材。
  ⋆ 只有钢材制造的产品才提供 Z2-25S

CYLINDRICAL BAR STOP

WERKSTOFFANSCHLAG MIT ZYLINDERSCHAFT LÄNGENEINSTELLBAR FERMOBARRA CILINDRICO REGOLABILE
PARADOR DE BARRAS CILINDRICOS AJUSTABLES PORTE-BUTEES CYLINDRIQUES
УПОРЫ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ 圆柱式制动杆

CW

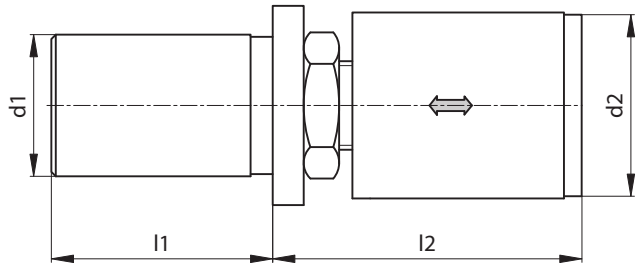


CODE N.	d1	d2	l1	l2
CW-2534	25	34	50	65-100
CW-3242	32	42	50	55-90
CW-4042	40	42	70	55-90

CYLINDRICAL REVOLVING BAR STOP WITH SHOCK ABSORBER

WERKSTOFFANSCHLAG MIT ZYLINDERSCHAFT GEDÄMPFT LÄNGENEINSTELLBAR
PARADOR DE BARRAS CILINDRICOS AJUSTABLES AMORTIZADOS
УПОРЫ ВРАЩАЮЩИЕСЯ С ЦИЛИНДРИЧЕСКИМ ХВОСТОВИКОМ С АМОРТИЗАЦИЕЙ
FERMOBARRA CILINDRICI REGOLABILI AMMORTIZZATI
PORTE-BUTEES, CYLINDRIQUES, AMORTIS
圆柱式可旋转制动杆带减震器

CW-AM



CODE N.	d1	d2	l1	l2
CW-2542-AM	25	42	50	62-97
CW-3242-AM	32	42	50	62-97
CW-4042-AM	40	42	70	62-97

ASSEMBLY SUPPORTS

MONTAGELBLOK SUPPORTO DI MONTAGGIO
SOPORTE DE MONTAJE SUPPORTS D'ASSEMBLAGE
СТОЙКА ДЛЯ СБОРКИ ИНСТРУМЕНТА 组件支架

VDI	CODE N.
16	237-32190
20	237-32290
30	237-32490
40	237-32590
50	237-32690

This system allows the assembly and disassembly operations of the VDI toolholders in horizontal and vertical position. This is a very simple system for tool handling.

Questo sistema molto semplice consente il montaggio e lo smontaggio dei portautensili VDI (secondo la normativa DIN 69880) sia in orizzontale che in verticale. È un sistema che offre la massima semplicitá d'uso per la manipolazione degli utensili.

Dieses unkomplizierte System erlaubt die schnelle Montage und Demontage von VDI Werkzeughaltern (gemäß DIN 69880) in horizontaler und vertikaler Lage. Dieses System ist sehr einfach zu bedienen, und erlaubt sicheres Bestücken der Werkzeuge.

Ese sistema muy sencillo permite el montaje y el desmontaje de los portaherramientas VDI (de acuerdo con la normativa DIN69880) tanto en horizontal como en vertical. Es un sistema que ofrece la máxima facilidad de uso para la manipulación de las herramientas.

Il permet d'effectuer toutes les opérations de montage et de démontage des porte outils VDI (DIN 69880) soit en horizontal qui en vertical. Ce système est très simple á utilizer pour la manipulation des outils.

Устройство позволяет производить сборку и демонтаж инструмента как в горизонтальном, так и в вертикальном положении. Эта система обслуживания инструмента очень проста в обращении.

这一系统允许将 VDI 刀柄以水平或垂直的方向进行安装和拆除操作。对于工具处理，这是一种非常简单的系统。

KINTEK

G350
KINTEK
COMPONENTI INNOVATIVI TECNOMECCANICI

KINTEK®

TOOLHOLDERS FOR CNC LATHES (BMT, BOLT-ON, VDI DIN69880)

PORTAUTENSILI PER TORNI CNC (BMT, BOLT-ON, VDI DIN69880)

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TOOLHOLDERS FOR CNC LATHES (BMT, BOLT-ON, VDI DIN69880)

PORTAUTENSILI PER TORNI CNC (BMT, BOLT-ON, VDI DIN69880)

CNC-DREHEMASCHINEN (BMT, BOLT-ON, VDI DIN69880)

PORTA-HERRAMIENTAS PARA TORNOS CNC (BMT, BOLT-ON, VDI DIN69880)

PORTE-OUTILS POUR TOURS CNC (BMT, BOLT-ON, VDI DIN69880)

РЕЗЦЕДЕРЖАТЕЛИ ДЛЯ ТОКАРНЫХ СТАНКОВ С ЧПУ (BMT, BOLT-ON, VDI DIN69880)

数控车床刀柄 BMT, BOLT-ON, VDI DIN69880

TOOLHOLDERS FOR CNC LATHES (BMT, BOLT-ON, VDI DIN69880)

BIGLIA TOOLHOLDERS
PORTAUTENSILI BIGLIA
Pag. 375-385

CMZ TOOLHOLDERS
PORTAUTENSILI CMZ
Pag. 386-391

DMG MORI CMZ TOOLHOLDERS
GOODWAY TOOLHOLDERS
PORTAUTENSILI DMG MORI CMZ
PORTAUTENSILI GOODWAY
Pag. 392-448

OKUMA HAAS TOOLHOLDERS
PORTAUTENSILI OKUMA HAAS
Pag. 449-489

NAKAMURA TOME CMZ TOOLHOLDERS
PORTAUTENSILI NAKAMURA CMZ
Pag. 490-525

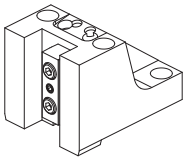
DOOSAN PUMA TOOLHOLDERS
BMT 45 /55/65/75
PORTAUTENSILI DEWOO PUMA
BMT 45 /55/65/75
Pag. 526-591

MAZAK TOOLHOLDERS
PORTAUTENSILI MAZAK
Pag. 592-611

MURATA MURATEC MW120 - MW200 TOOLHOLDERS
PORTAUTENSILI MURATA MURATEC MW120 - MW200
Pag. 612-613

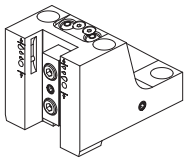
BIGLIA

B301/445/470/501(Y-S)
510/545/550/565/650/658
1200/446/465/745
765-B750/1250 16 ST.

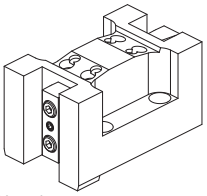


128-41524 (20x20 mm)
128-41525 (25x25 mm)

Face and O.D. cutting holder

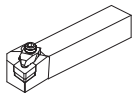


128-41524-IC (20x20 mm)
128-41525-IC (25x25 mm)
IC-TOOLTEK

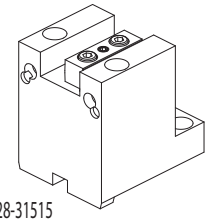


128-41527

Face and O.D. cutting holder

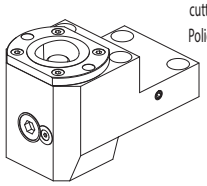


Qualified tool
20x20 mm



128-31515

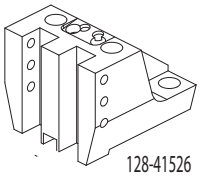
Face and O.D. cutting holder



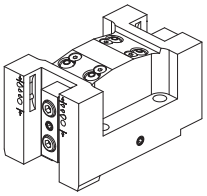
Face and O.D. cutting holder
Poligonal C50

128-11580

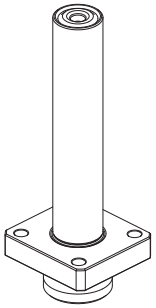
Face and O.D. cutting holder



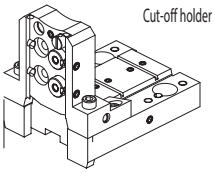
128-41526



128-41527-IC
IC-TOOLTEK



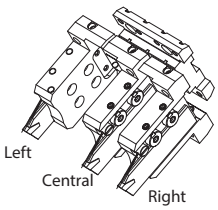
Control pin
137-00209

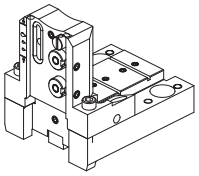


Cut-off holder

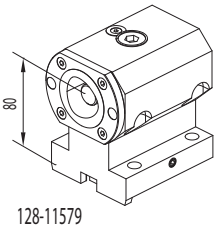
Cut-off tool
26 mm
32 mm

128-11566 (26 mm)
128-11567 (32 mm)





128-11566-IC (26 mm)
128-11567-IC (32 mm)
IC-TOOLTEK



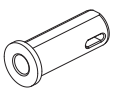
Boring bar holder
Poligonal C50

128-11579

ACCESSORI

D32

Drill socket

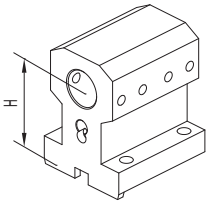


114-33208 <MT1>
114-33209 <MT2>

D40

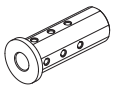
114-34008 <MT2>
114-34009 <MT3>

Toolholder for boring bar



128-21538 D32 H=80
128-21540 D32 H=100
128-21548 D40 H=80

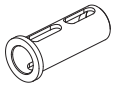
Boring bar sleeve



115-63260 (Ø8)
115-63261 (Ø10)
115-63211 (Ø12)
115-63212 (Ø16)
115-63213 (Ø20)

115-64043 (Ø8)
115-64044 (Ø10)
115-64045 (Ø12)
115-64046 (Ø16)
115-64047 (Ø20)
115-64048 (Ø25)

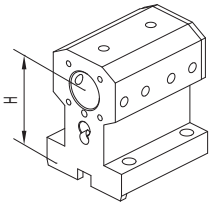
Boring bar sleeve



115-63214 (Ø25)

115-64049 (Ø32)

Combi toolholder for boring bar and insertdrill



128-21539 D32 H=80
128-21541 D32 H=100
128-21549 D40 H=80

Boring bar sleeve

165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)

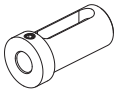
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)

Boring bar sleeve

165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)

165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)

Boring bar sleeve

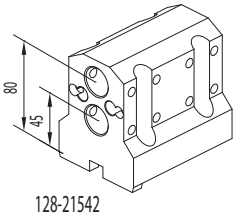


165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)

165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

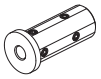
Toolholder for boring bar

2xØ25 mm



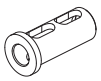
128-21542

Boring bar sleeve



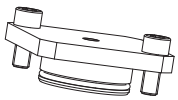
115-62573 (Ø6)
115-62538 (Ø8)
115-62539 (Ø10)
115-62540 (Ø12)

Boring bar sleeve



115-62541 (Ø16)

Protection cover
137-00244



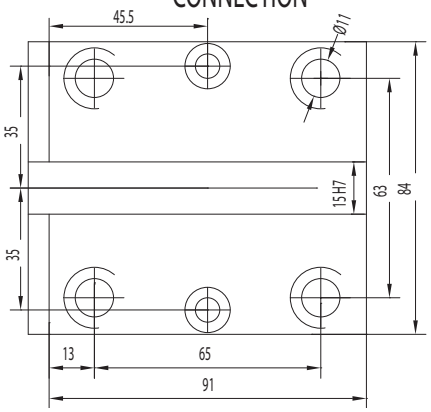
Driven tools

FAST-IN

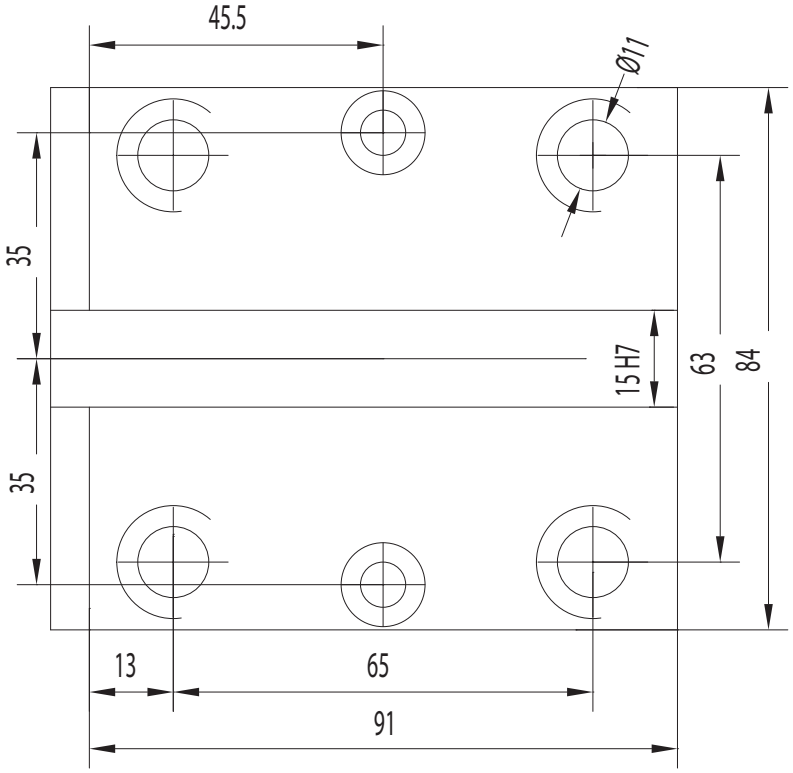
124-05521
124-05522 i.coolant

124-05523
124-05524 i.coolant
124-05525 i.coolant **80 BAR**

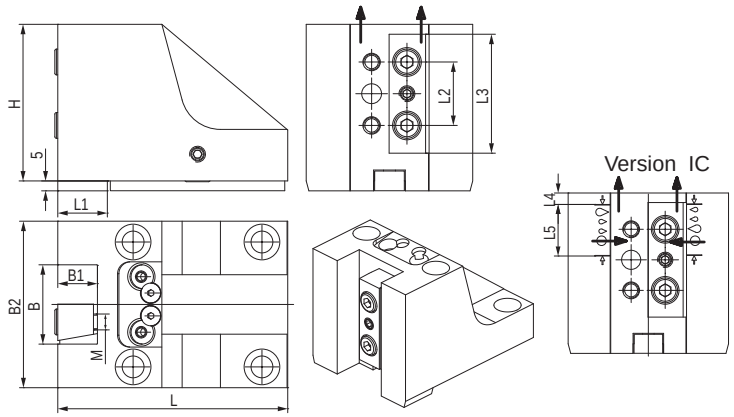
CONNECTION



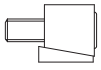
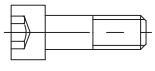
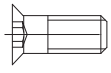
CONNECTION



PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	INTERNAL COOLANT	B1	B	B2	L	L1	L2	L3	L4	L5	H	M
128-41524	NO	20	40	84	116	25	32	60	6	27	79	M8
128-41524-IC	YES	20	40	84	116	25	32	60	6	27	79	M8
128-41525	NO	25	50	98	121	30	46	80	8	32	84	M10
128-41525-IC	YES	25	50	98	121	30	46	80	8	32	84	M10

CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
						
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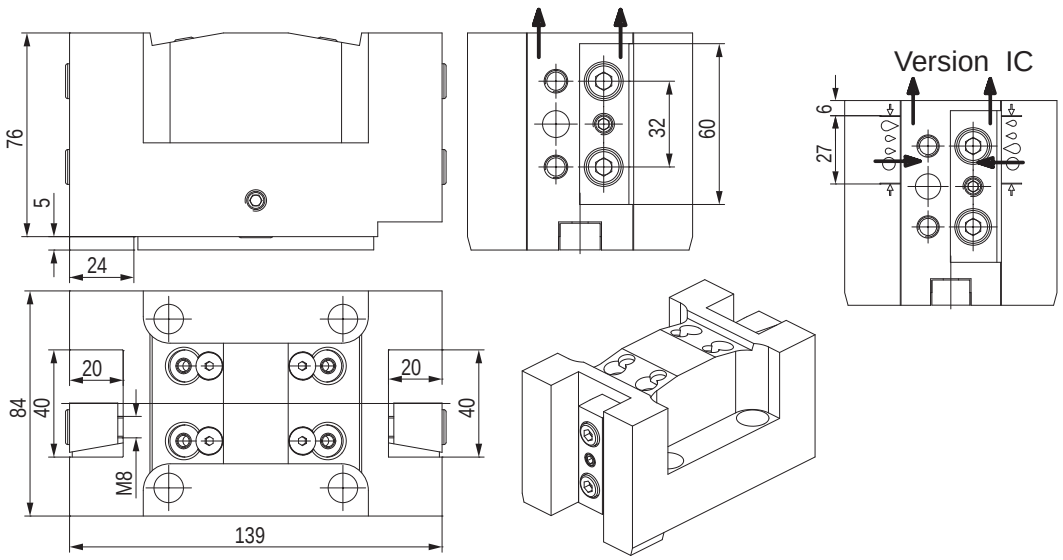
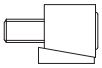
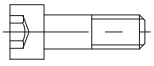
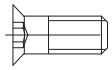
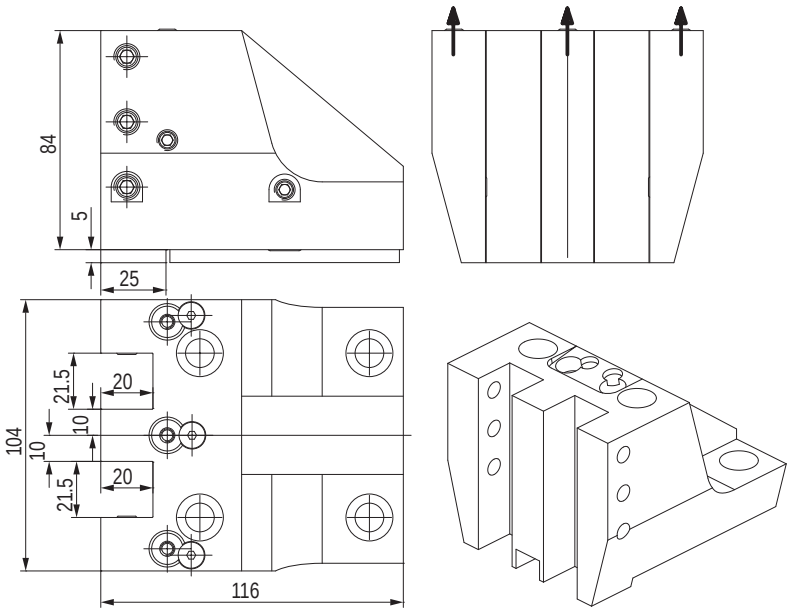
128-41525	832-007540	814-203230	811-101016	833-001410	811-108024	823-101015
128-41525-IC	832-007540	814-203230	811-101016	833-001410	811-108024	823-101015

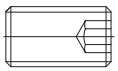
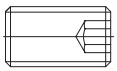
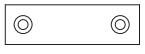
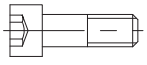
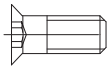
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



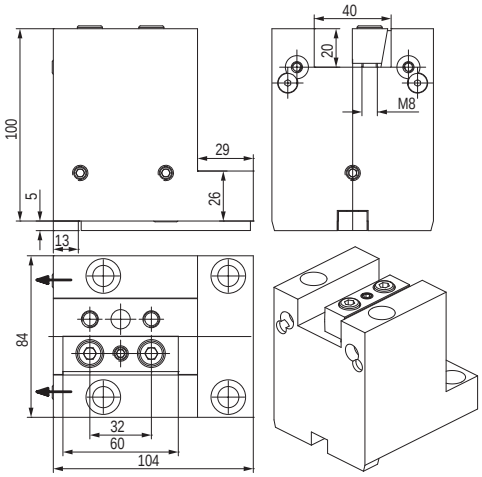
CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
							
128-41527	NO	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015
128-41527-IC	YES	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015

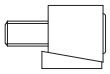
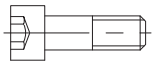
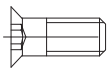
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



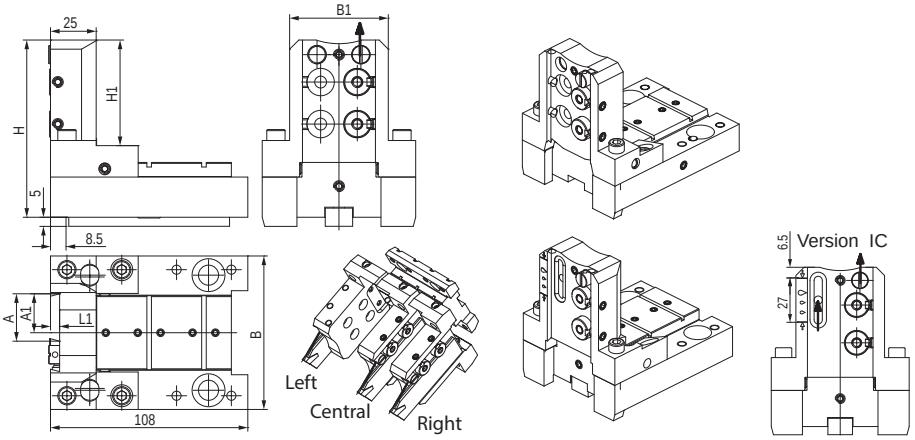
CODE N.	CLAMPING SCREW1 (M10X20)	CLAMPING SCREW2 (M10X16)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
							
128-41526	811-102038	811-102037	814-203230	811-101016	833-001410	811-108024	823-101015

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

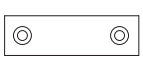
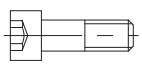


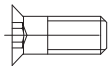
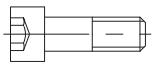
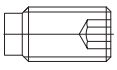
CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
						
128-31515	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015

PORTALAMA - CUT-OFF HOLDERS

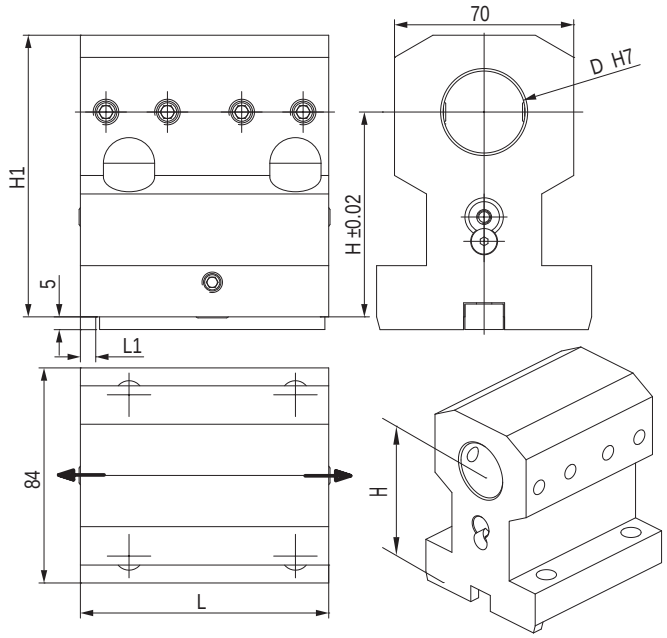


CODE N.	INTERNAL COOLANT	A	A1	L1	B	B1	H	H1
128-11566	NO	26	21.4	5	84	54	97	58
128-11566-IC	YES	26	21.4	5	84	54	97	58
128-11567	NO	32	25	6	94	63	105	66
128-11567-IC	YES	32	25	6	94	63	105	66

CODE N.	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INT. COOLANT	O RING FOR BODY	O RING FOR COOLANT INTAKE
							
128-11566	814-203230	811-101015	833-001490	823-101058	-	823-101061	823-101015
128-11566-IC	814-203230	811-101015	833-001490	823-101058	823-201140	823-101061	823-101015
128-11567	814-203230	811-101015	833-001490	823-101058	-	823-101061	823-101015
128-11567-IC	814-203230	811-101015	833-001490	823-101058	823-201140	823-101061	823-101015

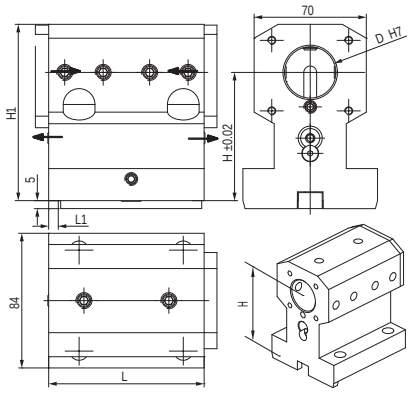
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
128-11566	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11566-IC	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11567	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013
128-11567-IC	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	D	H	H1	L	L1	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
128-21538	32	80	110	97	6	811-102038	814-203230	811-101016	833-001410	811-108024	823-101015
128-21540	32	100	130	97	6	811-102038	814-203230	811-101016	833-001410	811-108024	823-101015
128-21548	40	80	110	106	15	811-102037	814-203230	811-101016	833-001410	811-108024	823-101015

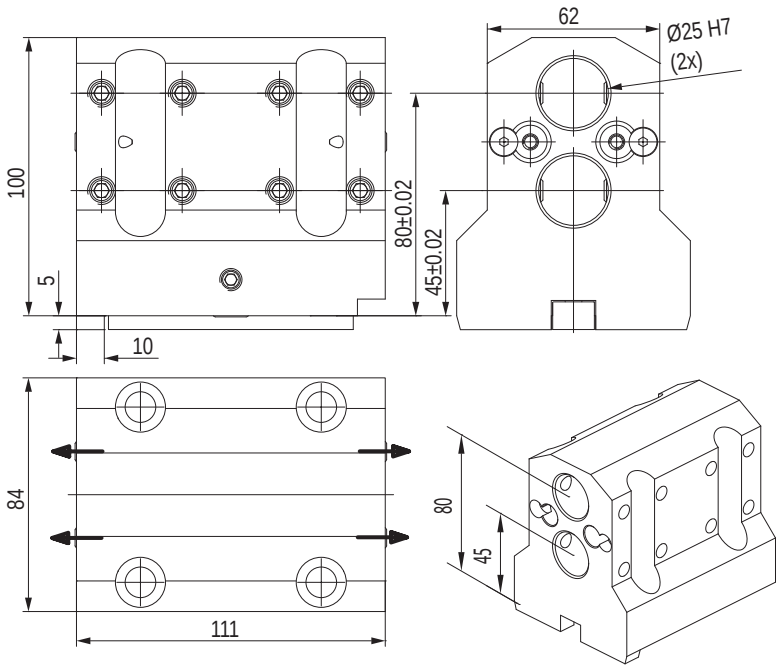
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	D	H	H1	L	L1	CLAMPING SCREW1 (D32 M10X20) (D40 M10X16)	CLAMPING SCREW2 (D32 M10X16) (D40 M10X12)	KEY	SCREW FOR KEY
128-21539	32	80	110	97	6	811-102038	811-102037	814-203230	811-101016
128-21541	32	100	130	97	6	811-102038	811-102037	814-203230	811-101016
128-21549	40	80	110	106	15	811-102037	811-102036	814-203230	811-101016

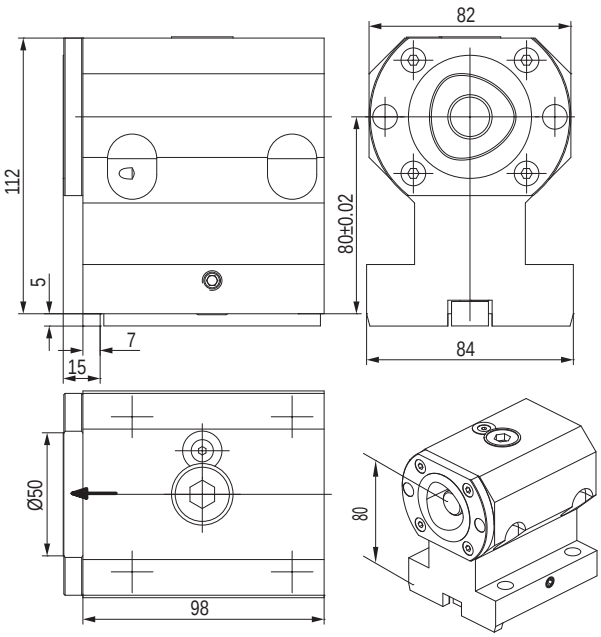
CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER	O RING
128-21539	833-001410	811-108024	832-003363	811-101016	823-101015
128-21541	833-001410	811-108024	832-003363	811-101016	823-101015
128-21549	833-001410	811-108024	832-003363	811-101016	823-101015

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



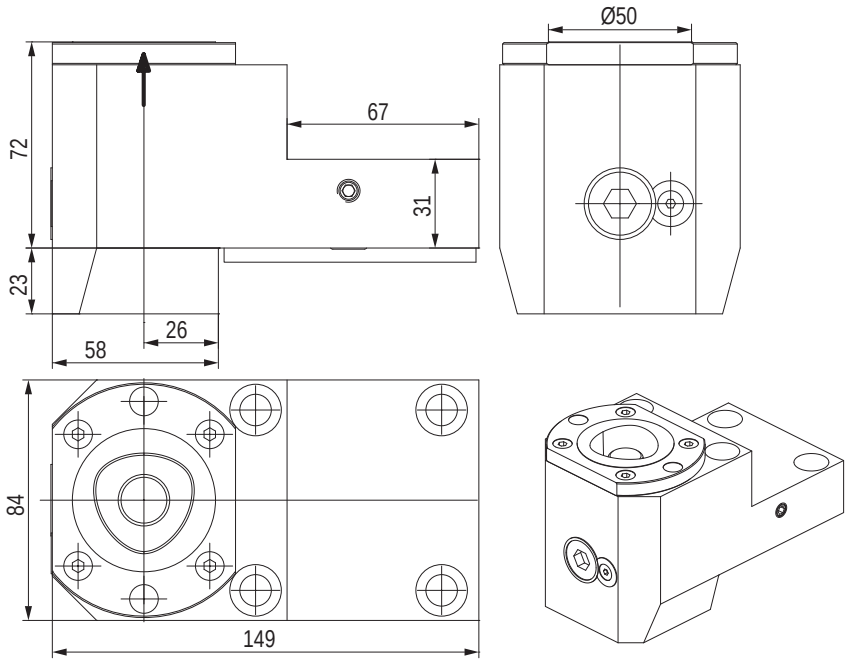
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
128-21542	811-102038	814-203230	811-101016	833-001410	811-108024	823-101015

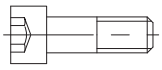
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



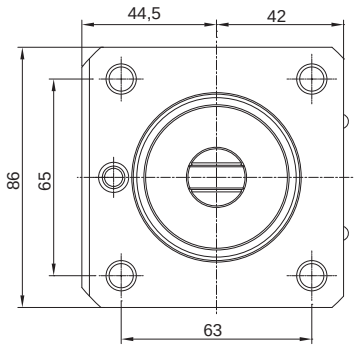
CODE N.	CAPTO	CLAMPING UNIT	KEY	SCREW FOR KEY	O RING
128-11579	C50	CXC50-10	814-203230	811-101016	823-101015

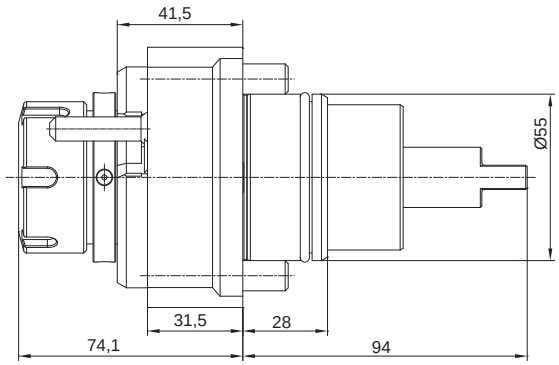
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



CODE N.	CAPTO	CLAMPING UNIT	KEY	SCREW FOR KEY	O RING
					
128-11580	C50	CXC50-10	814-203230	811-101016	823-101015

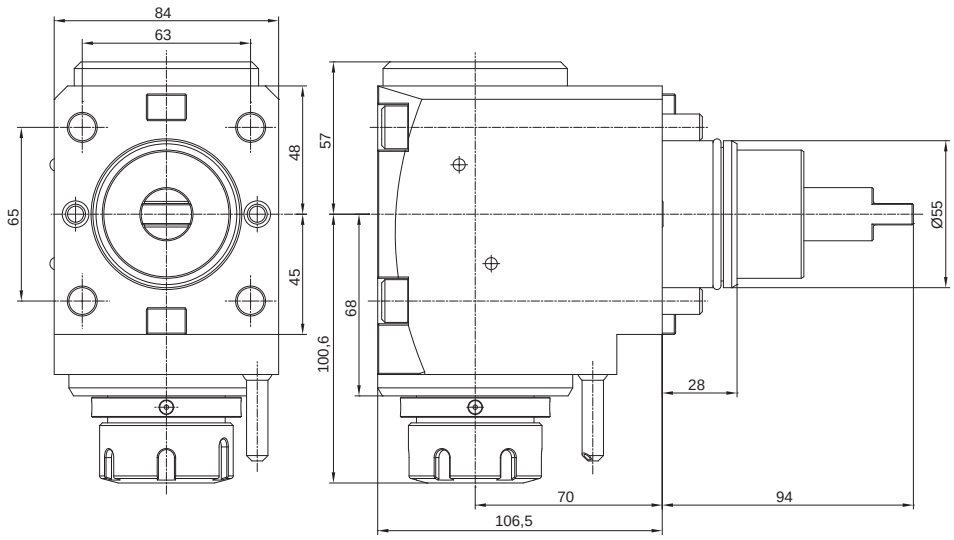
PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD





CODE N.	ER	MAX SPEED (Rpm)	I	Max. Torque (Nm)	INTERNAL COOLING	P Bar
124-05521	ER32	6000	1:1	50	no	-
124-05522	ER32	6000	1:1	50	yes	20

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



CODE N.	ER	MAX SPEED (Rpm)	I	Max. Torque (Nm)	INTERNAL COOLING	P Bar
124-05523	ER32	6000	1:1	50	no	-
124-05524	ER32	6000	1:1	50	yes	20
124-05525	ER32	6000	1:1	50	yes	80
124-05526	ER25	6000	1:1	50	yes	80

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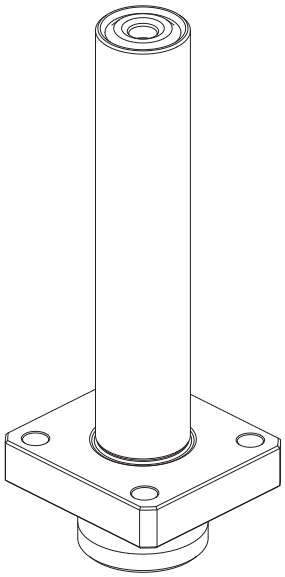
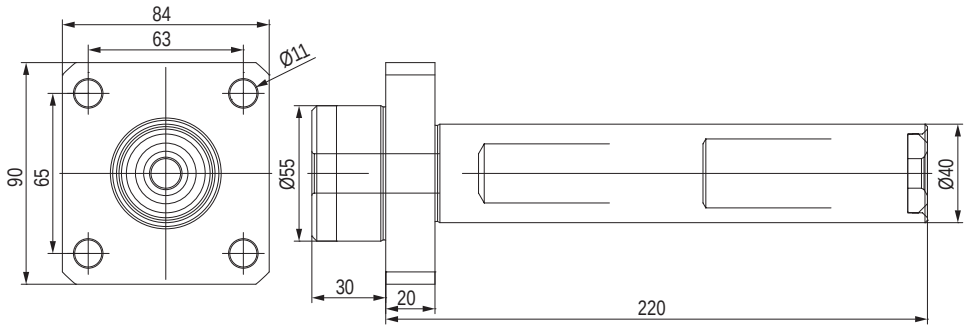
KINTEK

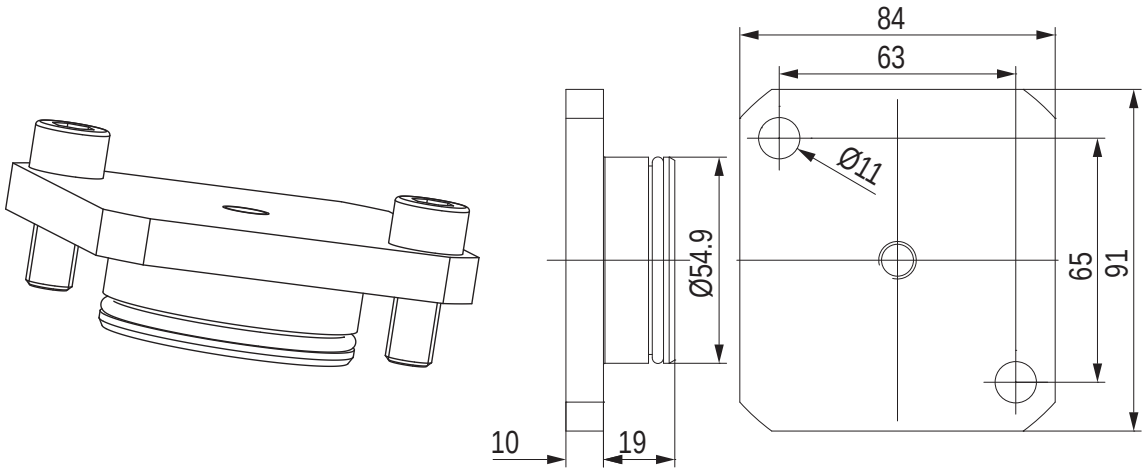
BARRA DI CONTROLLO - CONTROL PIN





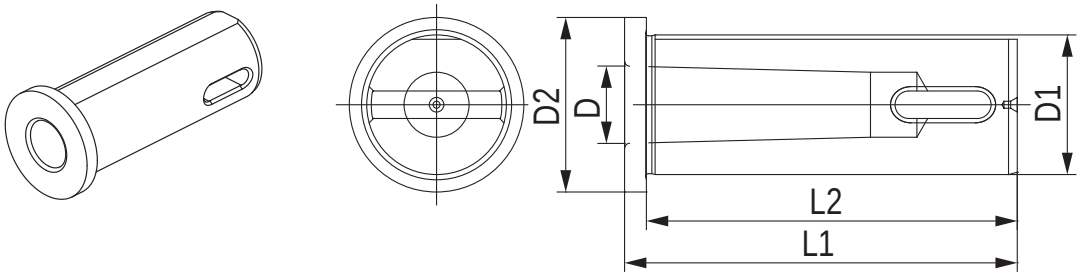
CODE N.
137-00209

TAPPO DI PROTEZIONE - PROTECTION COVER



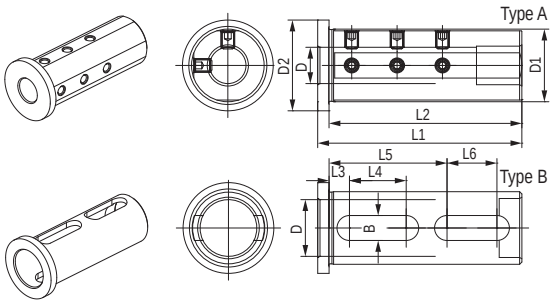
CODE N.	O RING
137-00244	823-101064

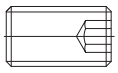
BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



CODE N.	Ø	MORSE	D	D1	D2	L1	L2
114-33208	32	1	12,065	32	40	90	85
114-33209	32	2	17,780	32	40	90	85
114-34008	40	2	17,780	40	50	110	105
114-34009	40	3	23,825	40	50	110	105

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D1	D	D2	L1	L2	L3	L4	L5	L6	B	TYPE	SCREW
												
115-63260	32	8	40	90	85	-	-	-	-	-	A	811-10219
115-63261	32	10	40	90	85	-	-	-	-	-	A	811-10219
115-63211	32	12	40	90	85	-	-	-	-	-	A	811-10218
115-63212	32	16	40	90	85	-	-	-	-	-	A	811-10218
115-63213	32	20	40	90	85	-	-	-	-	-	A	811-10217
115-63214	32	25	40	90	85	9	25	52	22	11	B	-
115-64043	40	8	50	110	105	-	-	-	-	-	A	811-10221
115-64044	40	10	50	110	105	-	-	-	-	-	A	811-10220
115-64045	40	12	50	110	105	-	-	-	-	-	A	811-10220
115-64046	40	16	50	110	105	-	-	-	-	-	A	811-10228
115-64047	40	20	50	110	105	-	-	-	-	-	A	811-10227
115-64048	40	25	50	110	105	-	-	-	-	-	A	811-10226
115-64049	40	32	50	110	105	10	35	65	28	13	B	-

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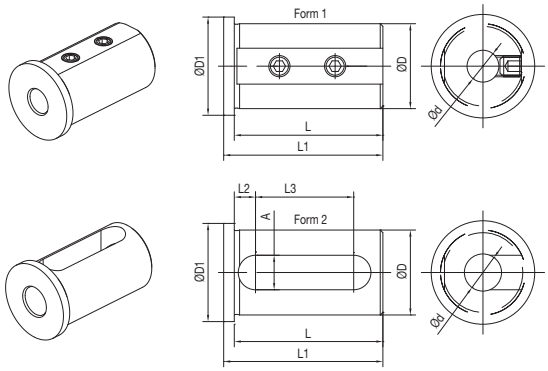
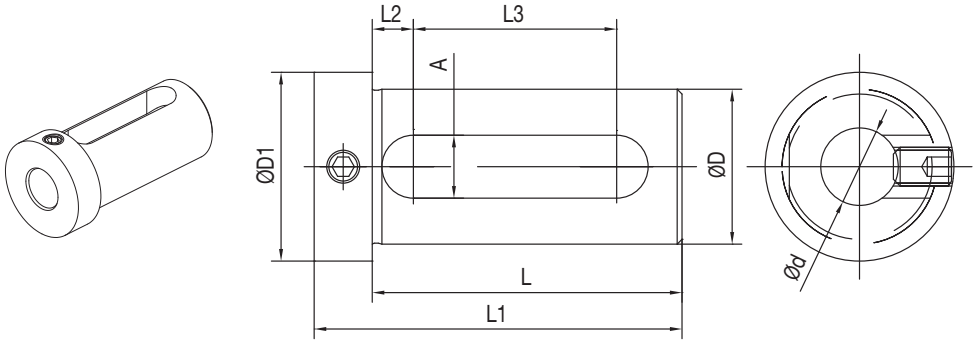
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



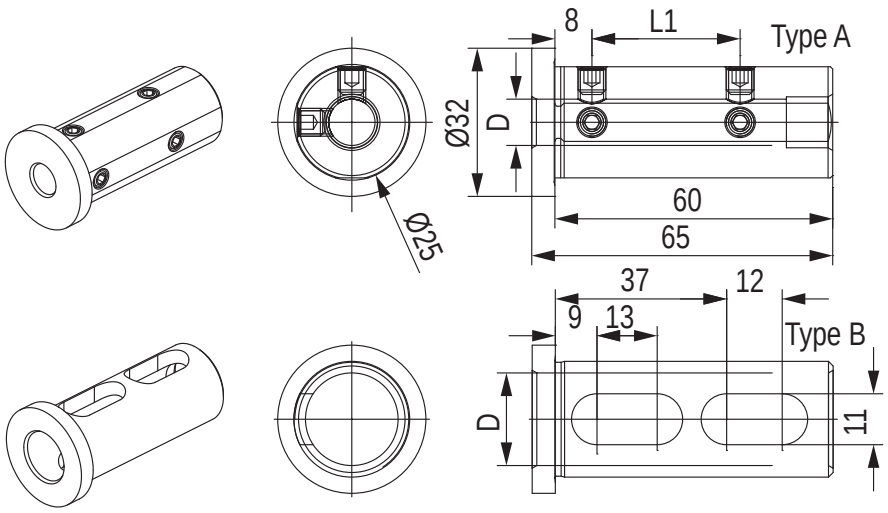
CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1	SCREW
165-63347	32	16	64	76	8,5	42	13	39	811-102028
165-63349	32	20	64	76	8,5	42	13	39	811-102027
165-63350	32	25	64	76	8,5	42	13	39	811-102027
165-64241	40	16	74	88	9	51	14	48	811-102038
165-64243	40	20	74	88	9	51	14	48	811-102038
165-64244	40	25	74	88	9	51	14	48	811-102037
165-64245	40	32	74	88	9	51	14	48	811-102037

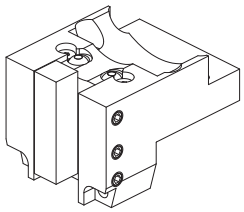
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	Ø	D	L1	TYPE	SCREW
115-62573	25	6	22	A	811-102011
115-62538	25	8	27	A	811-102018
115-62539	25	10	32	A	811-102017
115-62540	25	12	32	A	811-102017
115-62541	25	16	-	B	-

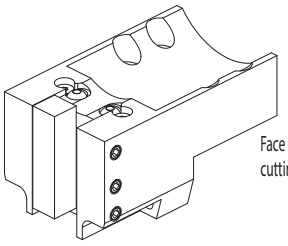
CMZ TL15T/M/TM/S/MS
TB46/67 M/CM

MIYANO ABX 51/64 THY / SYY



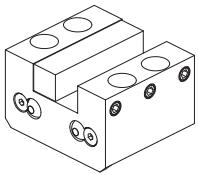
Face and O.D.
cutting holder

KTL15/10000/06



Face and O.D.
cutting holder

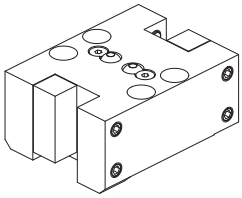
KTL15/10000/45



Face and O.D.
cutting holder

KTL15/10000/08

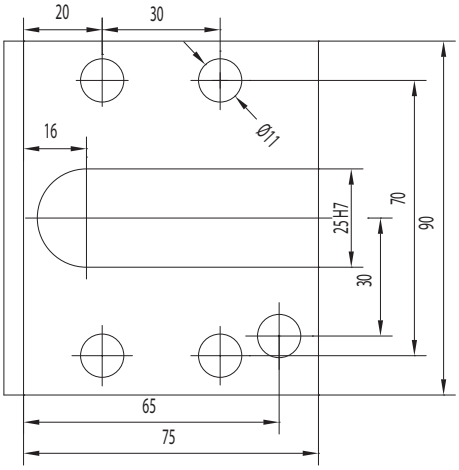
Qualified tool
20x20 mm



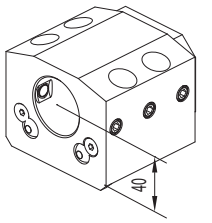
Face and I.D.
cutting holder

KTL15/10000/07

CONNECTION



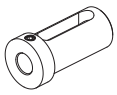
ACCESSORIES



Combi toolholder
for boring bar and
insertdril with internal
coolant

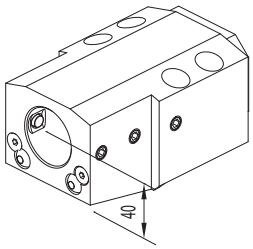
Ø40 mm

KTL15/10000/12



Boring bar sleeve

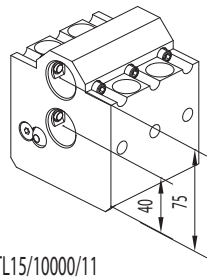
165-64241 (Ø16 mm)
165-64243 (Ø20 mm)
165-64244 (Ø25 mm)
165-64245 (Ø32 mm)



Combi toolholder
for boring bar and
insertdril with internal
coolant

Ø40 mm

KTL15/10000/38



Boring bar holder

Ø25 mm

KTL15/10000/11

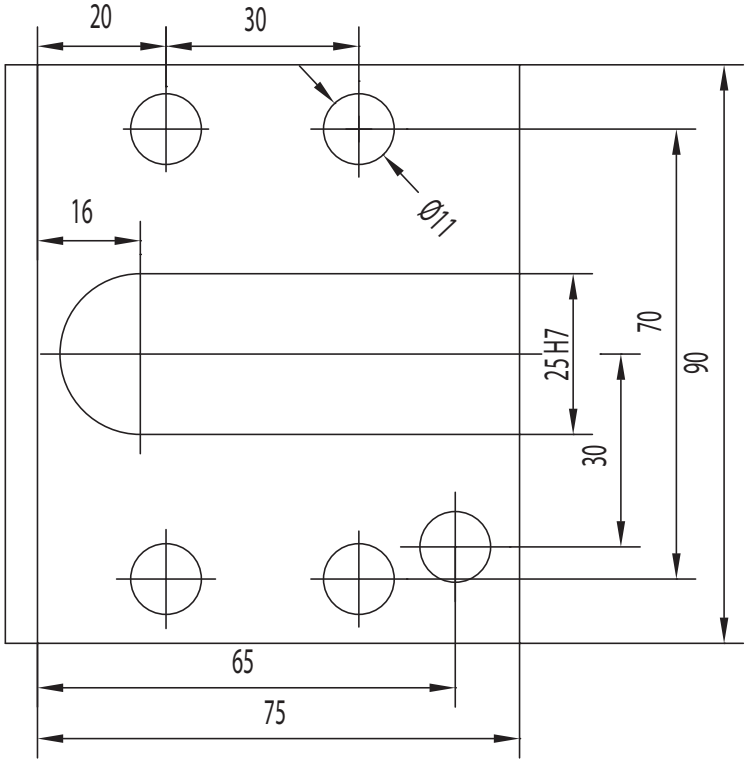
Boring bar sleeve

165-62545 (Ø12 mm)
165-62547 (Ø16 mm)
165-62549 (Ø20 mm)

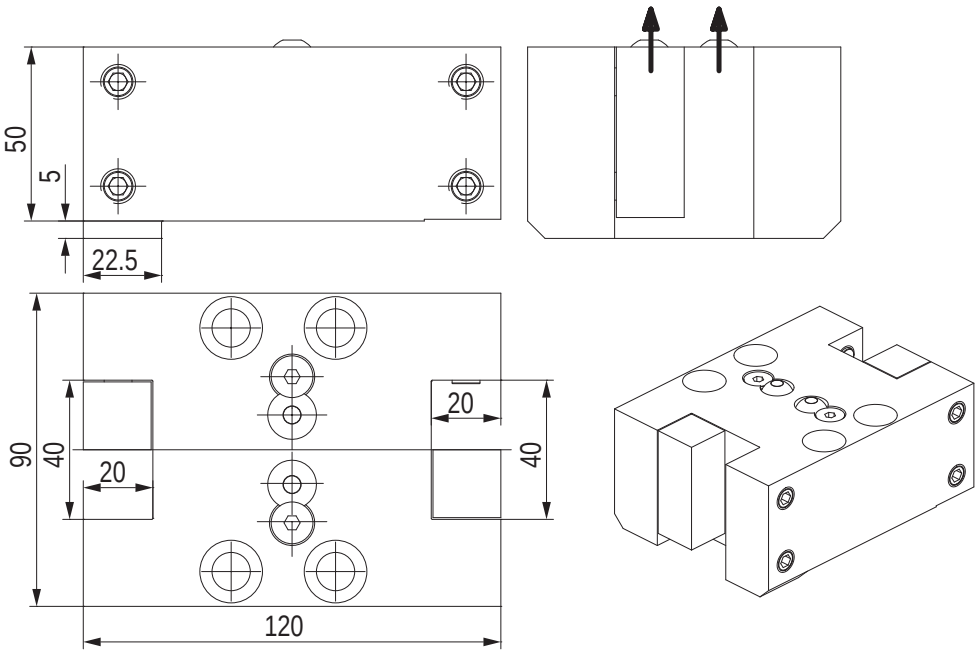
12

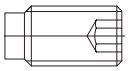
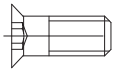
KINTEK

CONNECTION

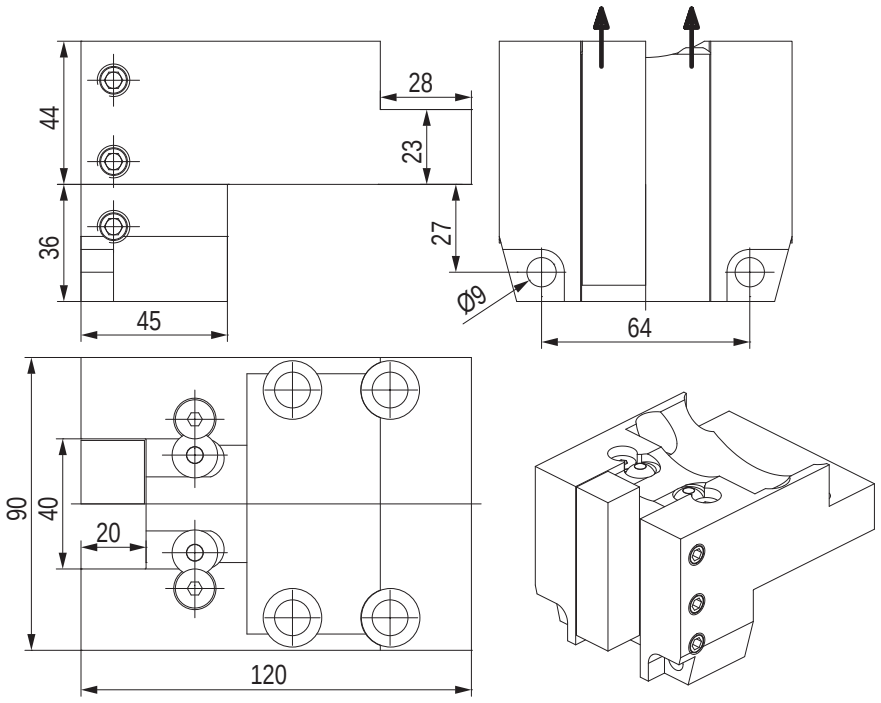


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



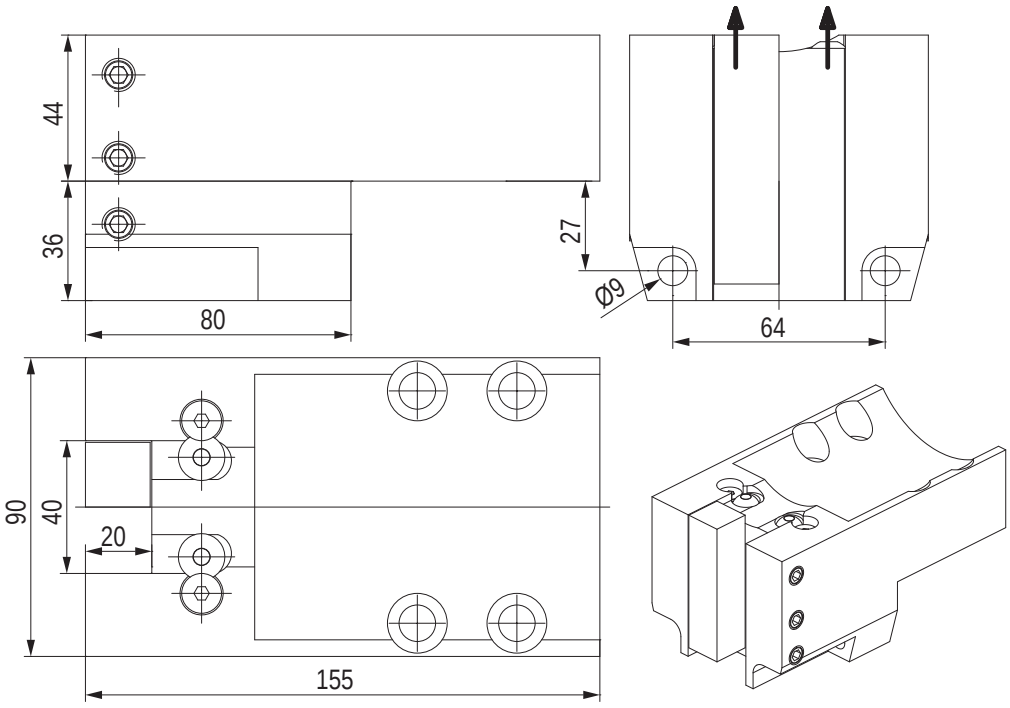
CODE N.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR COOLANT BALL
				
KTL15/10000/07	811-104030	832-002222	833-001470	811-108018

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



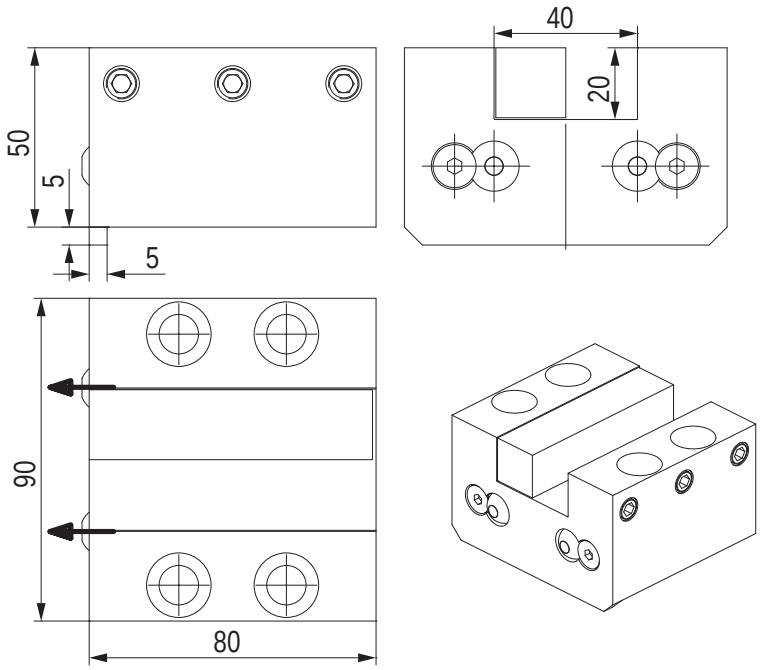
CODE N.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR COOLANT BALL
KTL15/10000/06	811-104030	832-002223	833-001470	811-108018

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



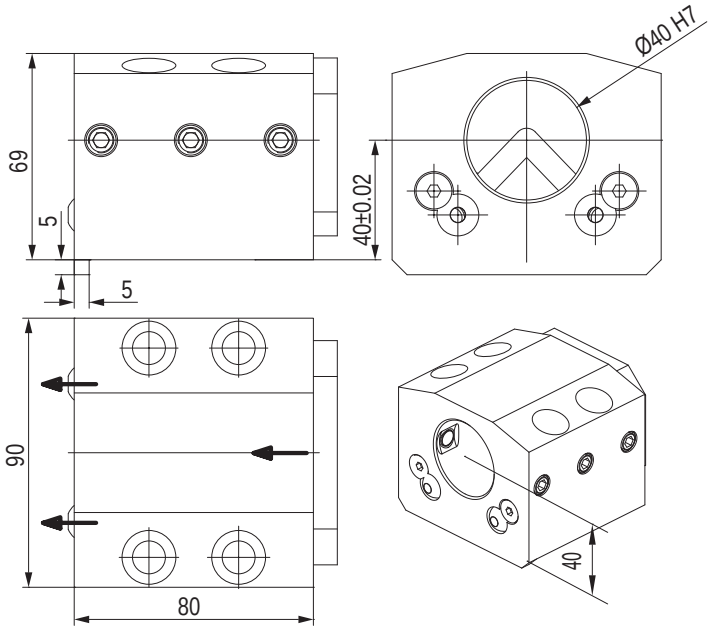
CODE N.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR COOLANT BALL
KTL15/10000/45	811-104030	832-002223	833-001470	811-108018

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



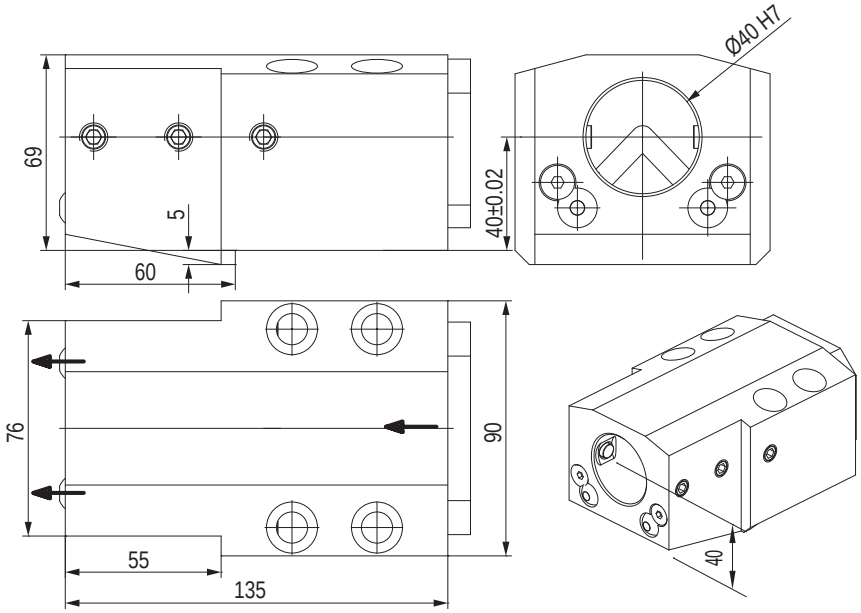
CODE N.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR COOLANT BALL
KTL15/10000/08	811-104030	832-002223	833-001470	811-108018

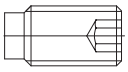
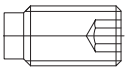
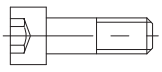
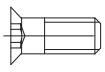
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



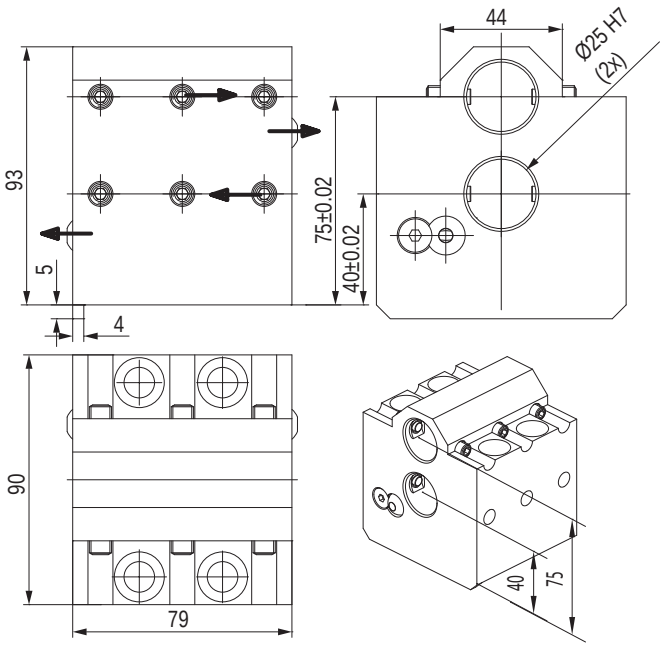
CODE N.	CLAMPING SCREW	COVER	SCREW FOR COVER	COOLANT BALL	SCREW FOR COOLANT BALL
KTL15/10000/12	811-104030	832-003063	811-101016	833-001470	811-108018

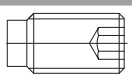
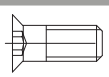
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



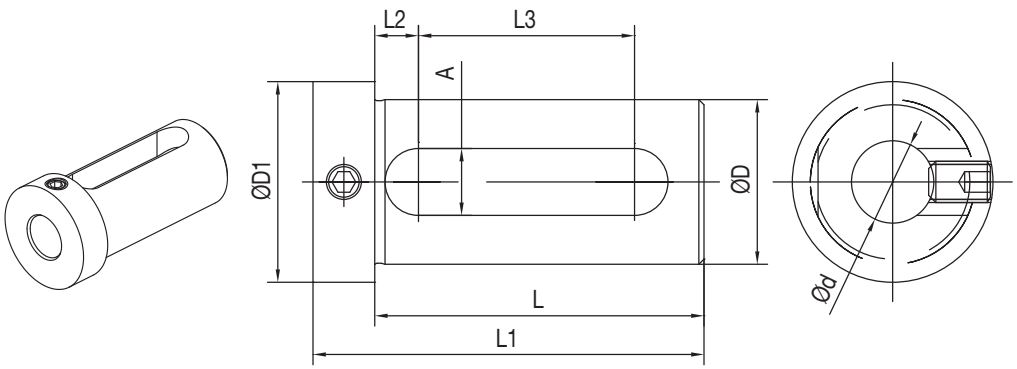
CODE N.	CLAMPING SCREW1 (M10X20)	CLAMPING SCREW2 (M10X25)	COVER	SCREW FOR COVER	COOLANT BALL	SCREW FOR COOLANT BALL
						
KTL15/10000/38	811-104029	811-104030	832-003063	811-101016	833-001470	811-108018

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	CLAMPING SCREW	COOLANT BALL	SCREW FOR COOLANT BALL
			
KTL15/10000/11	811-104021	833-001470	811-108018

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

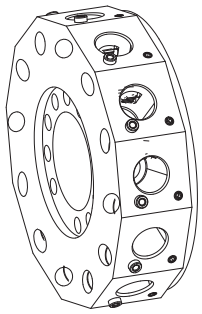


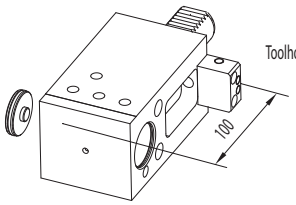
CODE N.	D	d	L	L1	L2	L3	A	D1
165-62545	25	12	54	66	8,5	32	13	32
165-62547	25	16	54	66	8,5	32	13	32
165-62549	25	20	54	66	8,5	32	13	32
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

DMG MORI (VDI30)

CTX310/410 V4/V6 - CTX 320 V4/V6
CTX420 V4/V6 (option) - CTX Alpha 300 V4
CTX Alpha 500 V4/V6
CTX Beta 500/800/1250 V4/V6 (option)
TWIN 42/65/102
SPRINT 65/50

RADIAL TURRET



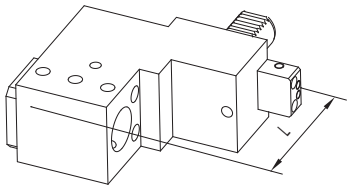


Toolholder for boring bar

115-53024 (Ø25)
115-53025 (Ø32)

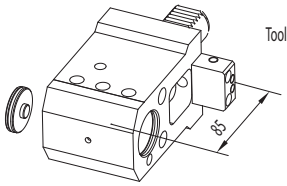
Plug:823-301270
823-301260

Toolholder for boring bar



115-53011 (Ø25 L=85)

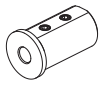
Toolholder for boring bar



Toolholder for boring bar

115-53027 (Ø25)
115-53028 (Ø32)

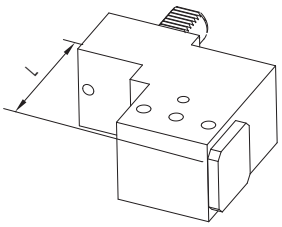
Plug:823-301270
823-301260



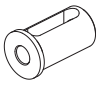
Boring bar sleeve

165-62551 (Ø25/Ø8)
165-62552 (Ø25/Ø10)
165-62553 (Ø25/Ø12)

165-63352 (Ø32/Ø8)
165-63353 (Ø32/Ø10)
165-63354 (Ø32/Ø12)



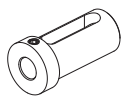
115-53014 (Ø32 L=100)



Boring bar sleeve

165-62555 (Ø25/Ø16)
165-62557 (Ø25/Ø20)

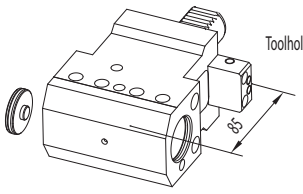
165-63356 (Ø32/Ø16)
165-63358 (Ø32/Ø20)
165-63359 (Ø32/Ø25)



Boring bar sleeve

165-62545 (Ø25/Ø12)
165-62547 (Ø25/Ø16)
165-62549 (Ø25/Ø20)

165-63347 (Ø32/Ø16)
165-63349 (Ø32/Ø20)
165-63350 (Ø32/Ø25)

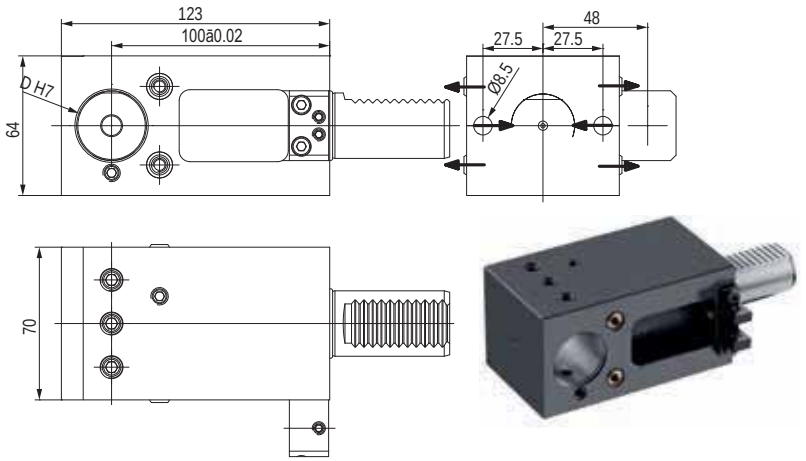


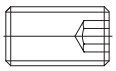
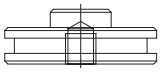
Toolholder for boring bar

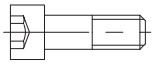
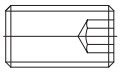
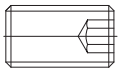
115-53029 (Ø25)
115-53030 (Ø32)

Plug:823-301270
823-301260

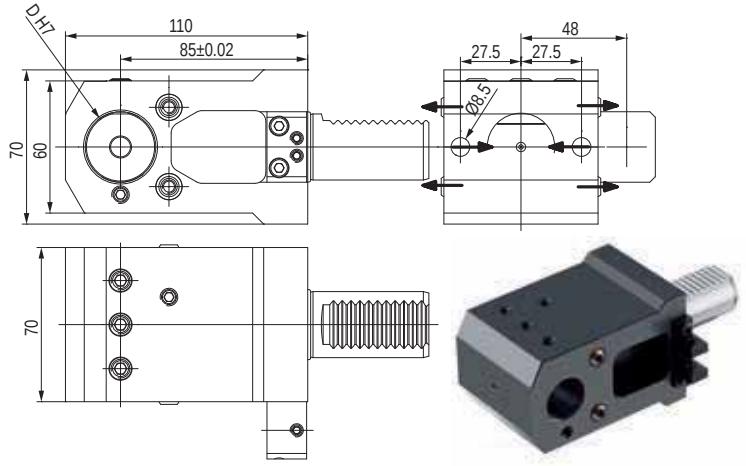
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

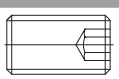
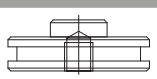


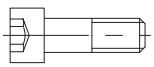
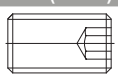
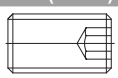
CODE N.	D	CLAMPING SCREW	COOLANT PLUG	SEEGER RING FOR COOLANT PLUG	O RING FOR COOLANT PLUG	COOLANT NOZZLE
						
115-53024	25	811-102030	823-301270	822-10209	823-101031	833-001110
115-53025	32	811-102037	823-301260	822-10208	823-101017	833-001110

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6X8)	O RING FOR VDI30
						
115-53024	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017
115-53025	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017

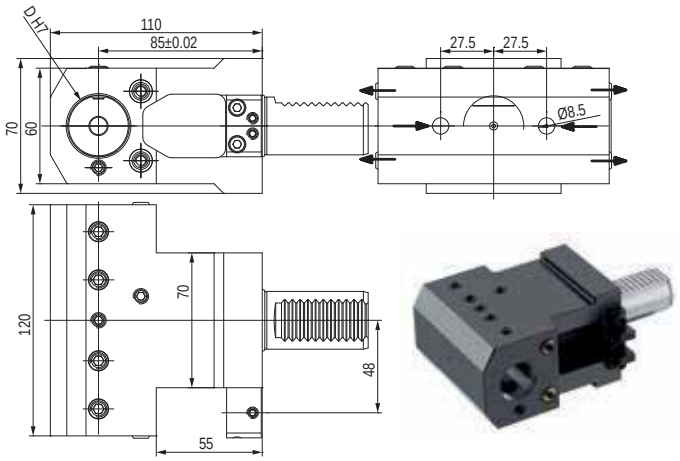
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	D	CLAMPING SCREW	COOLANT PLUG	SEEGER RING FOR COOLANT PLUG	O RING FOR COOLANT PLUG	COOLANT NOZZLE
						
115-53027	25	811-102029	823-301270	822-10209	823-101031	833-001110
115-53028	32	811-102037	823-301260	822-10208	823-101017	833-001110

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6X8)	O RING FOR VDI30
						
115-53027	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017
115-53028	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017

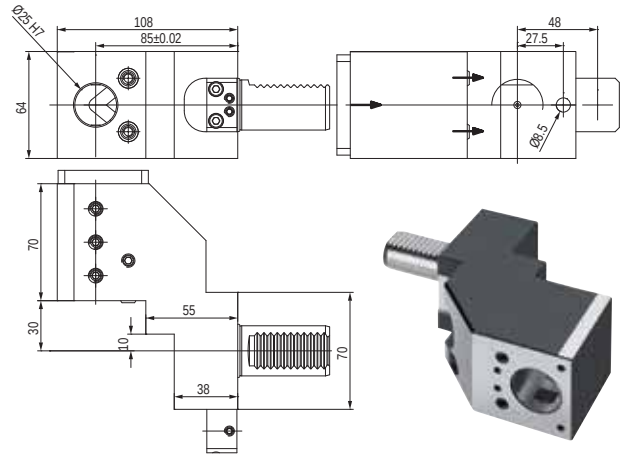
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	D	CLAMPING SCREW1	CLAMPING SCREW2	COOLANT PLUG	SEEGER RING FOR COOLANT PLUG	O RING FOR COOLANT PLUG	COOLANT NOZZLE
115-53029	25	811-102029	811-104021	823-301270	822-10209	823-101031	833-001110
115-53030	32	811-102037	811-104021	823-301260	822-10208	823-101017	833-001110

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6X8)	O RING FOR VDI30
115-53029	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017
115-53030	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017

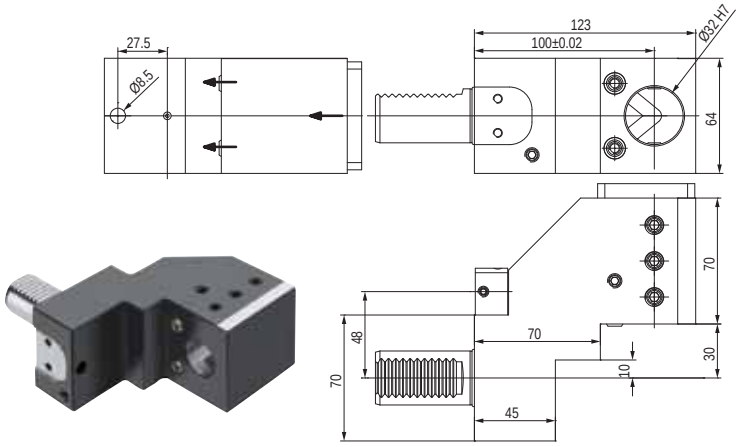
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

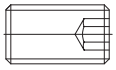
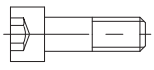


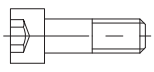
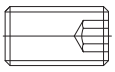
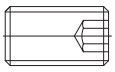
CODE N.	CLAMPING SCREW	COVER FOR INTERNAL COOLANT	SCREW FOR COVER	COOLANT NOZZLE
115-53011	811-102030	832-003304	811-101016	833-001110

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6X8)	O RING FOR VDI30
115-53011	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017

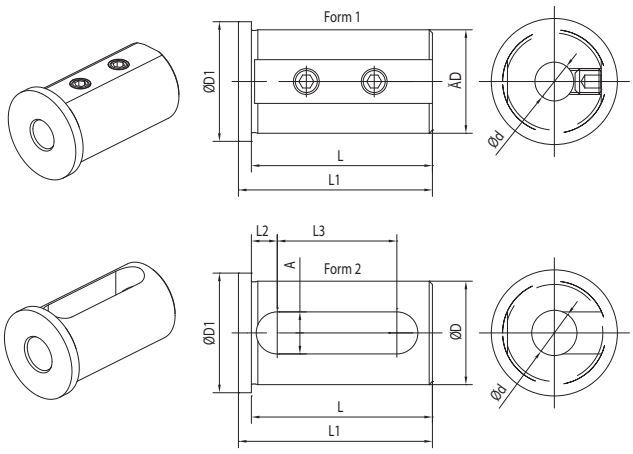
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	COVER FOR INTERNAL COOLANT	SCREW FOR COVER	COOLANT NOZZLE
				
115-53014	811-102037	832-003304	811-101016	833-001110

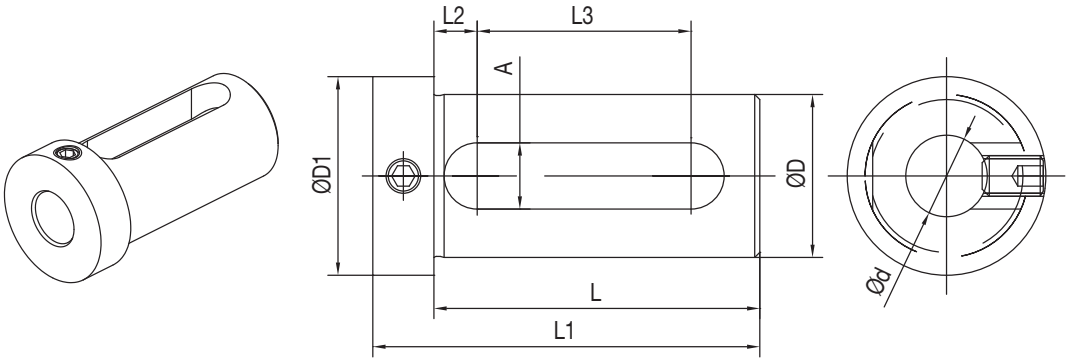
CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6X8)	O RING FOR VDI30
						
115-53014	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30
165-62557	25	20	2	46	50	8	27	13	30
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

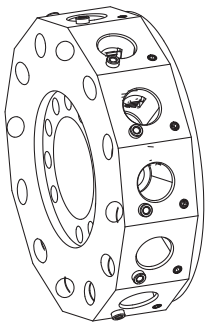


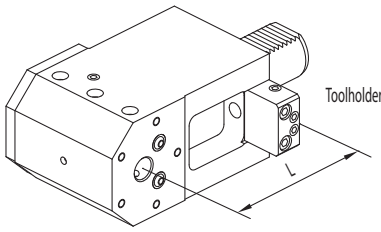
CODE N.	D	d	L	L1	L2	L3	A	D1
165-62545	25	12	54	66	8,5	32	13	32
165-62547	25	16	54	66	8,5	32	13	32
165-62549	25	20	54	66	8,5	32	13	32
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

DMG MORI (VDI40)

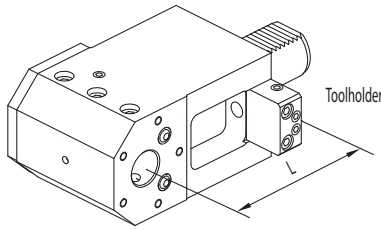
CTX410 V4/V6 (option)
CTX420 V4/V6
CTXBeta 500/800/1250 V4/V6
TWIN42/65/102 RG2
GMX250/300/400/500
SPRINT65 (option)

RADIAL TURRET

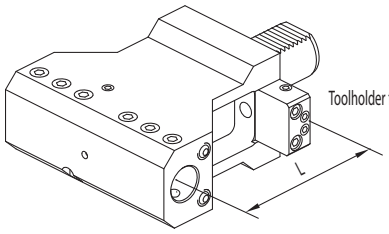




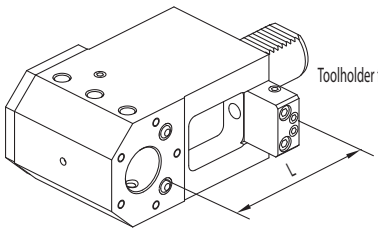
115-54076 (Ø16 L=120)
115-54077 (Ø20 L=120)



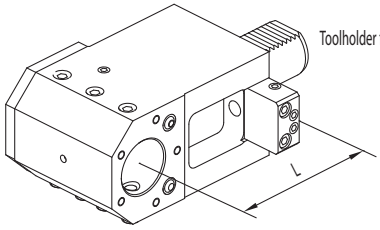
115-54130 (Ø25 L=100)



115-54133 (Ø25 L=100)



115-54131 (Ø32 L=100)
115-54078 (Ø25 L=120)
115-54079 (Ø32 L=120)



115-54132 (Ø40 L=100)
115-54080 (Ø40 L=120)

ACCESSORIES

Boring bar sleeve

165-62551 (Ø25/Ø8)
165-62552 (Ø25/Ø10)
165-62553 (Ø25/Ø12)

165-62555 (Ø25/Ø16)
165-62557 (Ø25/Ã20)

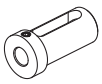
165-63352 (Ø32/Ø8)
165-63353 (Ø32/Ø10)
165-63354 (Ø32/Ø12)

165-63356 (Ø32/Ø16)
165-63358 (Ø32/Ø20)
165-63359 (Ø32/Ø25)

165-64247 (Ø40/Ø8)
165-64248 (Ø40/Ø10)
165-64249 (Ø40/Ø12)

165-64251 (Ø40/Ø16)
165-64253 (Ø40/Ø20)
165-64254 (Ø40/Ø25)
165-64255 (Ø40/Ø32)

Boring bar sleeve



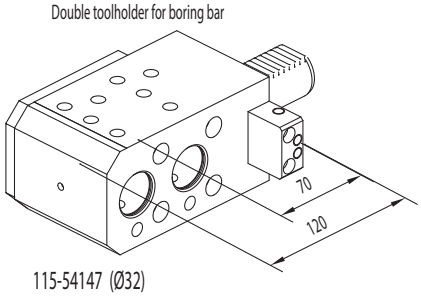
115-62044 (Ø20/Ø8)
115-62045 (Ø20/Ø10)
115-62046 (Ø20/Ø12)

165-62545 (Ø25/Ø12)
165-62547 (Ø25/Ø16)
165-62549 (Ø25/Ø20)

165-63347 (Ø32/Ø16)
165-63349 (Ø32/Ø20)
165-63350 (Ø32/Ø25)

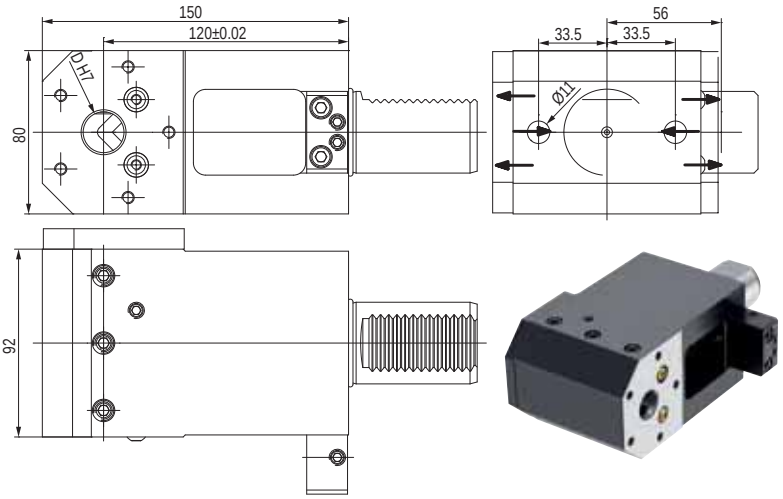
165-64241 (Ø40/Ø16)
165-64243 (Ø40/Ø20)
165-64244 (Ø40/Ø25)
165-64245 (Ø40/Ø32)

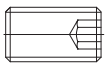
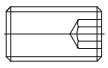
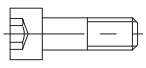
Double toolholder for boring bar

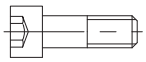
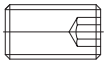


115-54147 (Ø32)

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



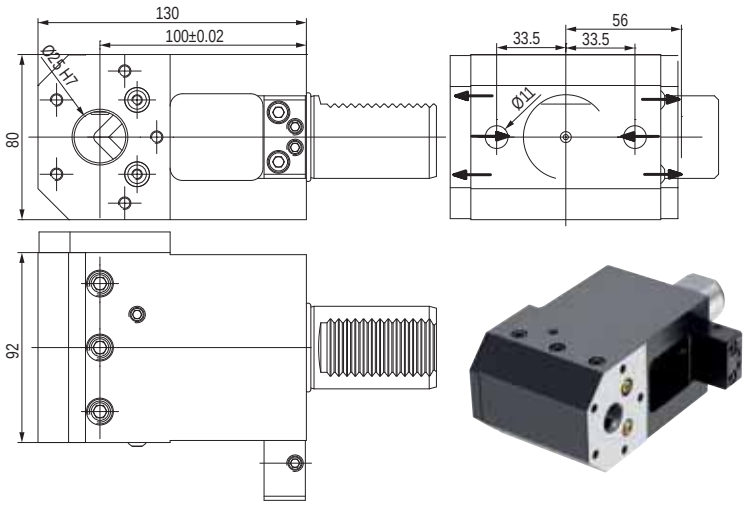
CODE N.	D	CLAMPING SCREW1 (M10X25)	CLAMPING SCREW2 (M8X20)	COVER FOR INTERNAL COOLANT	SCREW FOR COVER	COOLANT NOZZLE
						
115-54076	16	811-102039	811-102030	832-003236	811-101027	833-001080
115-54077	20	811-102039	811-102030	832-003236	811-101027	833-001080

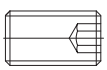
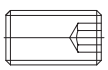
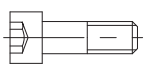
CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING FOR VDI40
					
115-54076	832-003237	832-003238	811-101032	811-102027	823-101036
115-54077	832-003237	832-003238	811-101032	811-102027	823-101036

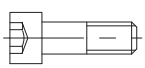
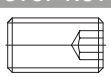
12

KINTEK

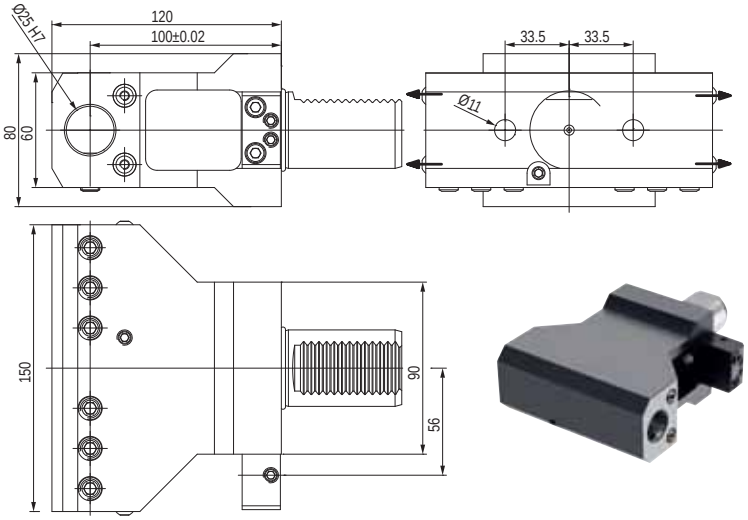
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW1 (M12X25)	CLAMPING SCREW2 (M10X25)	COVER FOR INTERNAL COOLANT	SCREW FOR COVER	COOLANT NOZZLE
					
115-54130	811-102045	811-102039	832-003303	811-101027	833-001080

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING FOR VDI40
					
115-54130	832-003237	832-003238	811-101032	811-102027	823-101036

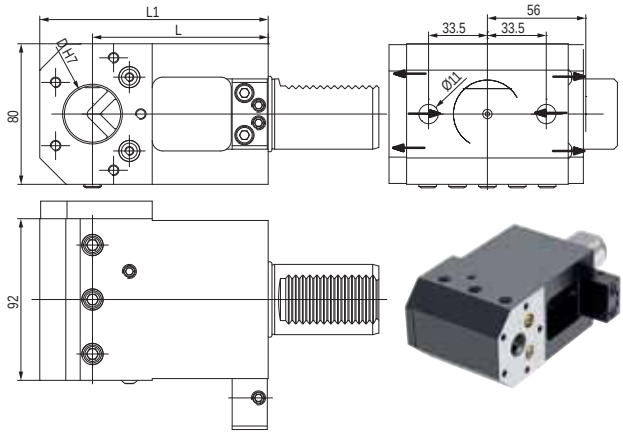
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW1 (M12X16)	CLAMPING SCREW2 (M10X20)	COOLANT NOZZLE
115-54133	811-102043	811-102038	833-001080

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING FOR VDI40
115-54133	832-003237	832-003238	811-101032	811-102027	823-101036

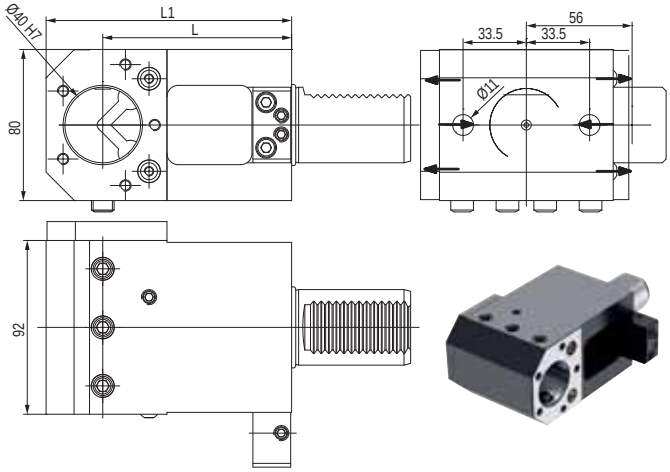
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

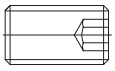
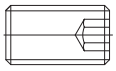
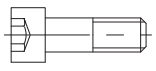


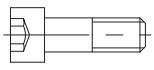
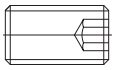
CODE N.	D	L	L1	CLAMPING SCREW1 (M12)	CLAMPING SCREW2 (M10X25)	COVER FOR INTERNAL COOLANT	SCREW FOR COVER
115-54131	32	100	130	811-102044	811-102039	832-003303	811-101027
115-54078	25	120	150	811-102045	811-102039	832-003236	811-101027
115-54079	32	120	150	811-102044	811-102039	832-003236	811-101027

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING FOR VDI40	COOLANT NOZZLE
115-54131	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080
115-54078	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080
115-54079	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080

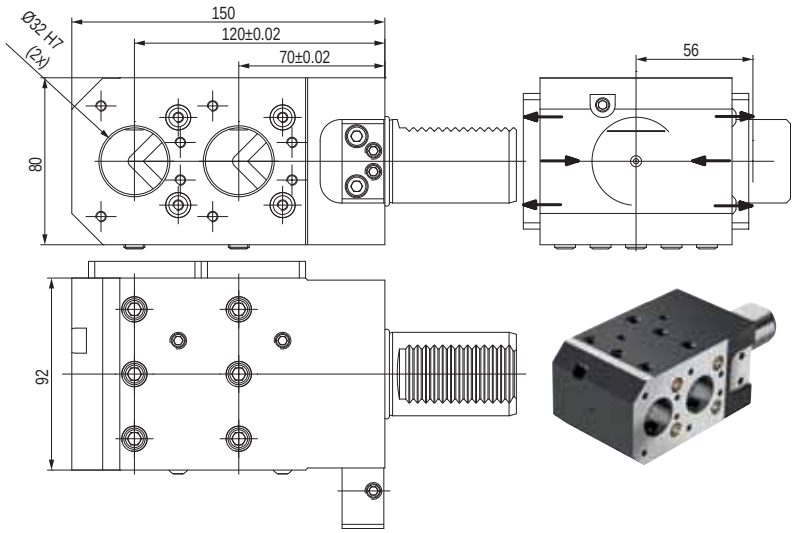
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

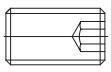
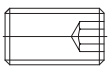
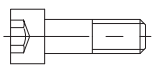


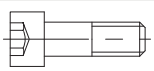
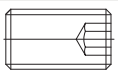
CODE N.	L	L1	CLAMPING SCREW1 (M12X20)	CLAMPING SCREW2 (M12X25)	COVER FOR INTERNAL COOLANT	SCREW FOR COVER
						
115-54132	100	130	811-102044	811-102045	832-003303	811-101027
115-54080	120	150	811-102044	811-102045	832-003236	811-101027

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING FOR VDI40	COOLANT NOZZLE
						
115-54132	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080
115-54080	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080

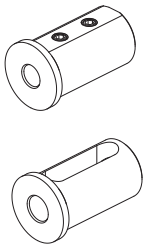
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

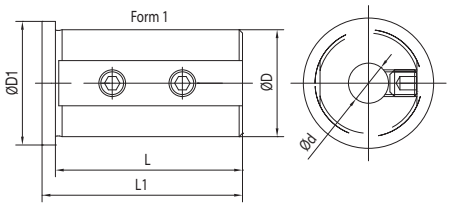


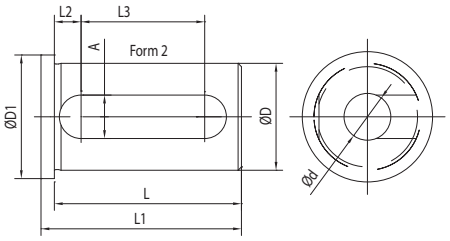
CODE N.	CLAMPING SCREW1 (M12X20)	CLAMPING SCREW2 (M10X25)	COVER1 FOR INTERNAL COOLANT	COVER2 FOR INTERNAL COOLANT	SCREW FOR COVER
					
115-54147	811-102044	811-102039	832-003318	832-003319	811-101017

CODE N.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING FOR VDI40	COOLANT NOZZLE
						
115-54147	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

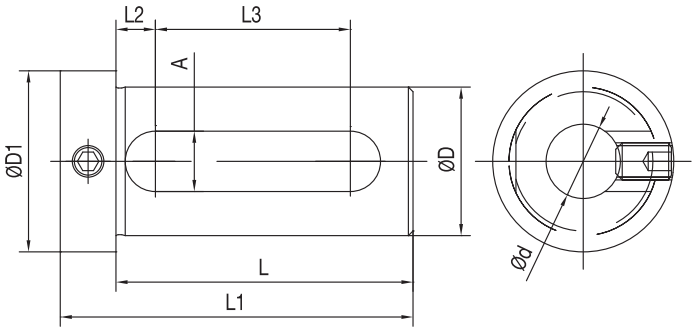






CODE N.	D	D	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30
165-62557	25	20	2	46	50	8	27	13	30
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

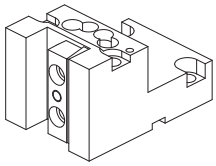
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
115-62044	20	8	50	60	7	29	11	28
115-62045	20	10	50	60	7	29	11	28
115-62046	20	12	50	60	7	29	11	28
165-62545	25	12	55	67	8	32	13	33
165-62547	25	16	55	67	8	32	13	33
165-62549	25	20	55	67	8	32	13	33
165-63347	32	16	65	77	8	42	13	39
165-63349	32	20	65	77	8	42	13	39
165-63350	32	25	65	77	8	42	13	39
165-64241	40	16	75	89	9	51	14	48
165-64243	40	20	75	89	9	51	14	48
165-64244	40	25	75	89	9	51	14	48
165-64245	40	32	75	89	9	51	14	48

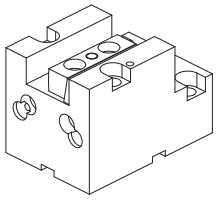
DMG MORI (BMT40)

NZ 1500/2000/3100
NZ / NTZ 1000/2000/3000/3100/3150/3200
NZ / NZX 2000/2500 (16 station turret)
NL / NLX 1500/2000/2500 (20 station turret)
DURATURN 2050/2550 MC
LTX310ECO-BMT



Face and O.D. cutting holder

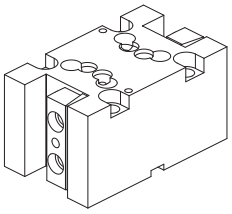
KMS-T00224 (H70)



Face and O.D. cutting holder

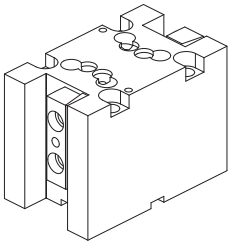
KMS-T03017

Qualified tool 20x20 mm



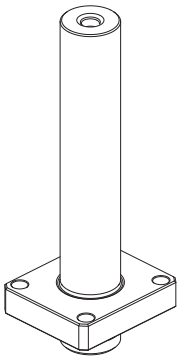
Face and O.D.

KMS-T00228 (H70)



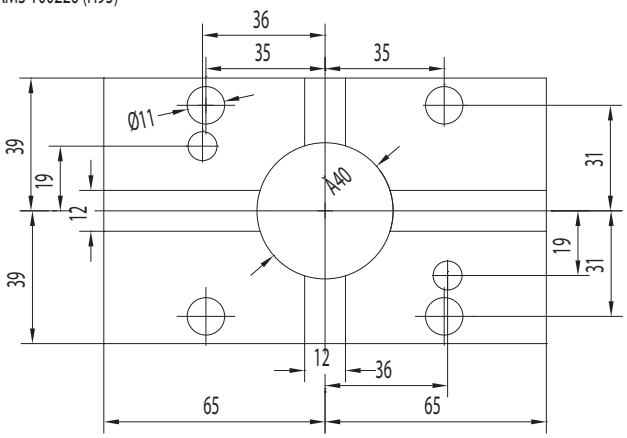
Face and O.D. double cutting holder

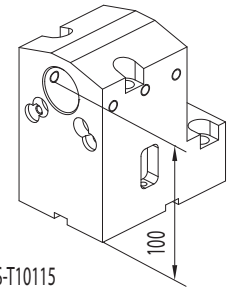
KMS-T00226 (H95)



Control pin
137-00193

CONNECTION



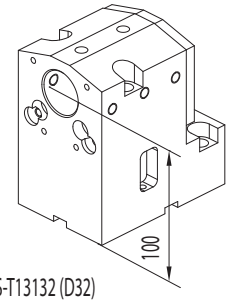


Boring bar holder

Ø32 mm

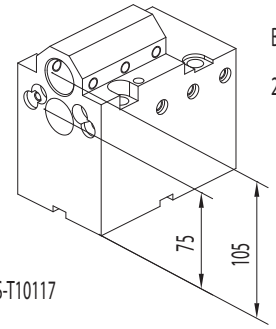
KMS-T10115

ACCESSORIES



Combi toolholder for boring and insertdril with internal coolant

KMS-T13132 (D32)
137-00286 (D40)



Boring bar holder

2xØ25 mm

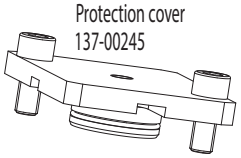
KMS-T10117

Boring bar sleeve D32

KMS-T20122 (Ø25 mm)
KMS-T20120 (Ø20 mm)
KMS-T20118 (Ø16 mm)
KMS-T20116 (Ø12 mm)
KMS-T20114 (Ø10 mm)
KMS-T20112 (Ø8 mm)

Boring bar sleeve D40

KMS-T20098 (Ø32 mm)
KMS-T20096 (Ø25 mm)
KMS-T20094 (Ø20 mm)
KMS-T20092 (Ø16 mm)
KMS-T20090 (Ø12 mm)
KMS-T20088 (Ø10 mm)
KMS-T20086 (Ø8 mm)



Protection cover
137-00245

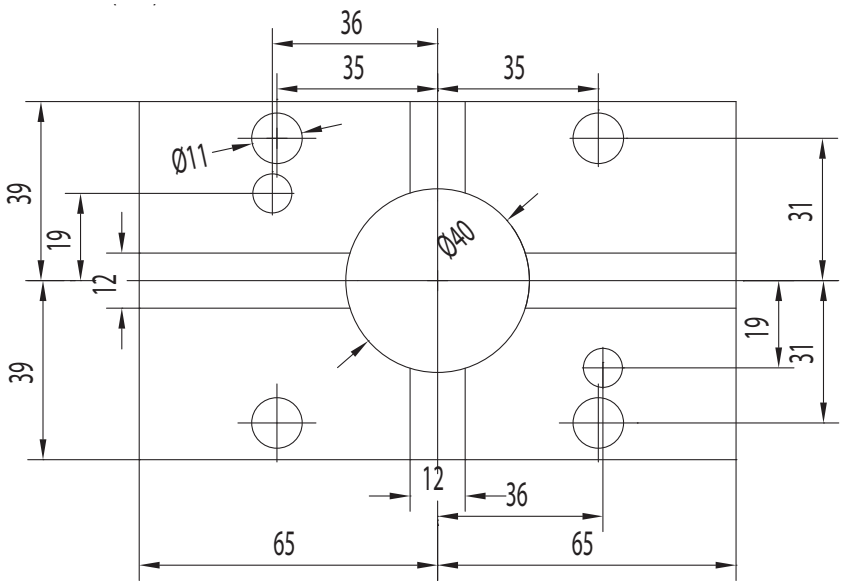
Driven tools

FAST-IN

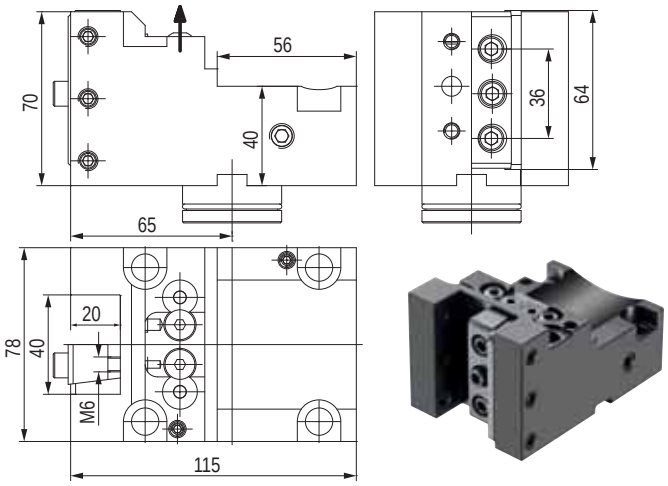
124-04005
124-04006 i.coolant

124-04007
124-04008 i.coolant
124-04009 i.coolant 80 BAR

CONNECTION



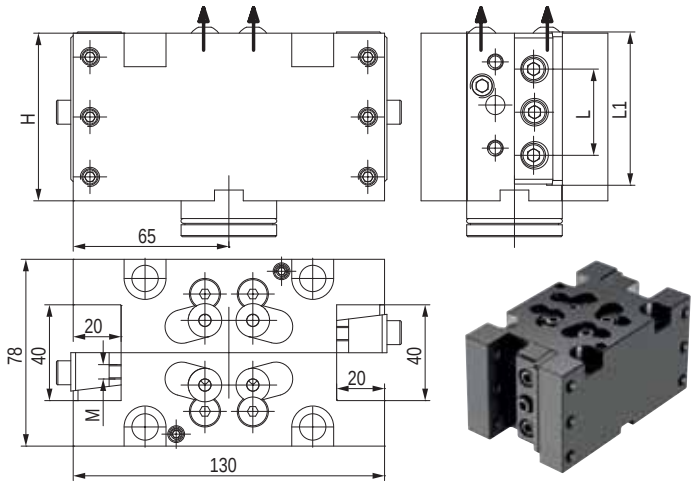
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

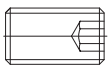
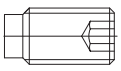


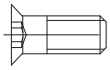
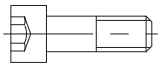
CODE N.	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T00224	832-020460	811-102029	811-104016	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36x2)	O RING FOR PIN (28X2)
KMS-T00224	832-020451	811-101029	823-101016	823-101018

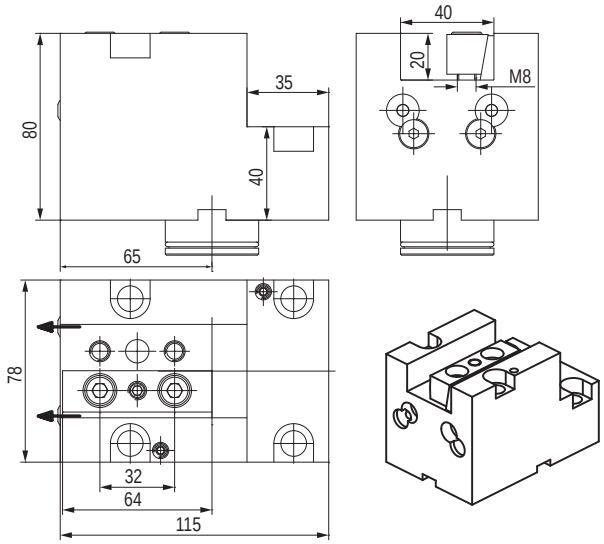
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

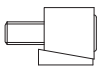
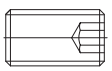
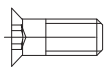


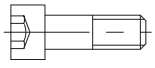
CODE N.	H	L	L1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE
							
KMS-T00226	95	32	64	M8	832-020400	-	811-102023
KMS-T00228	70	36	64	M6	832-020460	811-102029	811-104016

CODE N.	COOLANT BALL	SCREW FOR BALL	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36X2)	O RING FOR PIN (28X2)
						
KMS-T00226	833-001470	811-108018	832-020121	811-101029	823-101016	823-101018
KMS-T00228	833-001470	811-108018	832-020451	811-101029	823-101016	823-101018

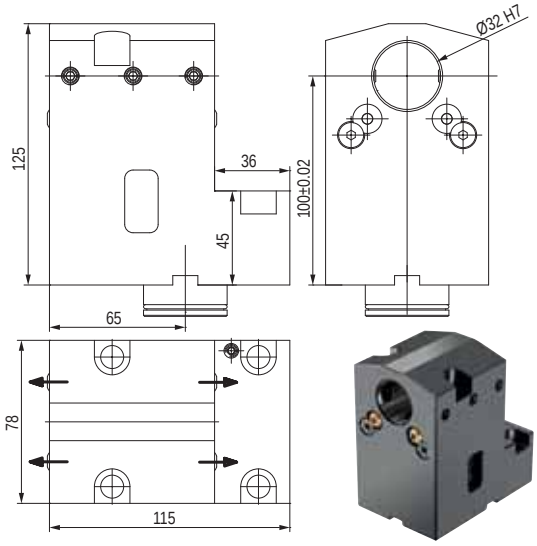
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING PLATE	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
				
KMS-T03017	832-020400	811-102023	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36X2)	O RING FOR PIN (28X2)
				
KMS-T03017	832-020121	811-101029	823-101016	823-101018

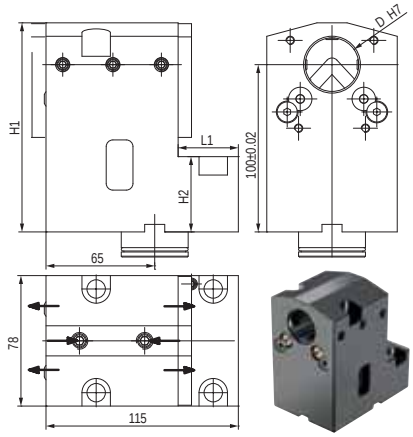
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T10115	811-102030	811-102023	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36X2)	O RING FOR PIN (28X2)
KMS-T10115	832-020121	811-101029	823-101016	823-101018

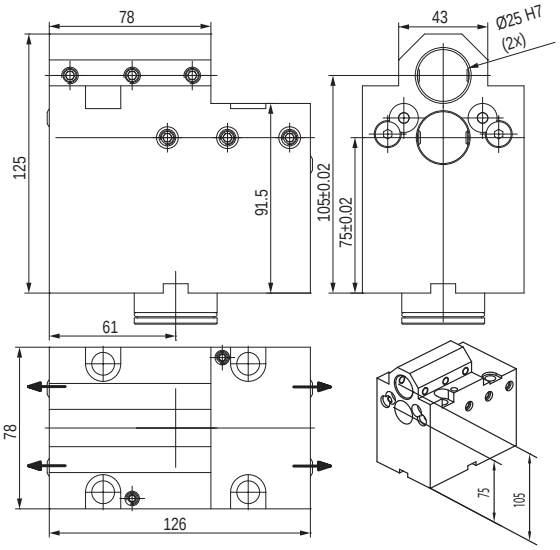
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

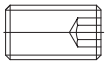
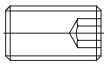
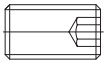
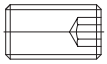
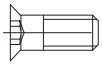


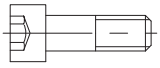
CODE N.	D	H1	H2	L1	CLAMPING SCREW1 (D32 M8X20) - (D40 M10X20)	CLAMPING SCREW2 (M10X10)	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T13132	32	125	45	36	811-102030	811-102035	811-102023	833-001470	811-108018
137-00286	40	129	33	26	811-102038	811-102035	811-102023	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36X2)	COD O RING FOR PIN (28X2)	COVER	SCREW FOR COVER
KMS-T13132	832-020121	811-101029	823-101016	823-101018	832-003378	811-101016
137-00286	832-020121	811-101029	823-101016	823-101018	832-003404	811-101016

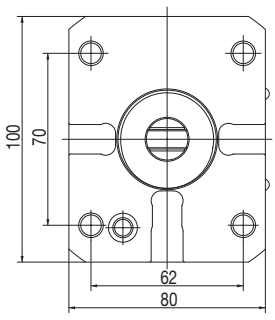
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

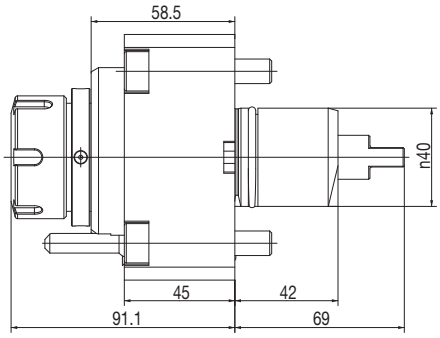


CODE N.	CLAMPING SCREW1 (M8X25)	CLAMPING SCREW2 (M8X20)	CLAMPING SCREW3 (M8X10)	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
						
KMS-T10117	811-102031	811-102030	811-102027	811-102023	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36X2)	O RING FOR PIN (28X2)
				
KMS-T10117	832-020121	811-101029	823-101016	823-101018

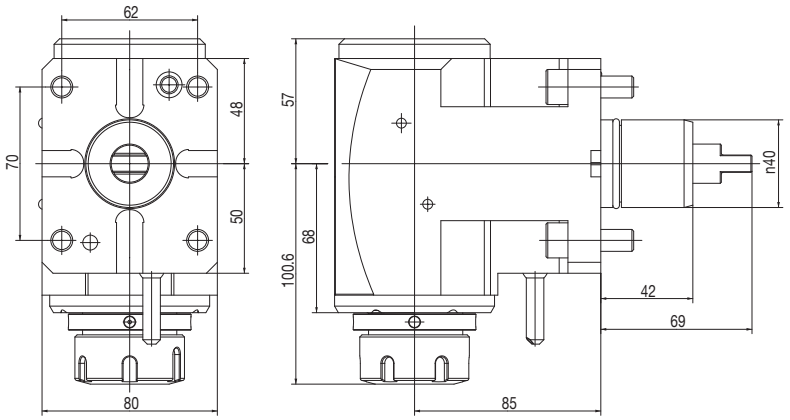
PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD





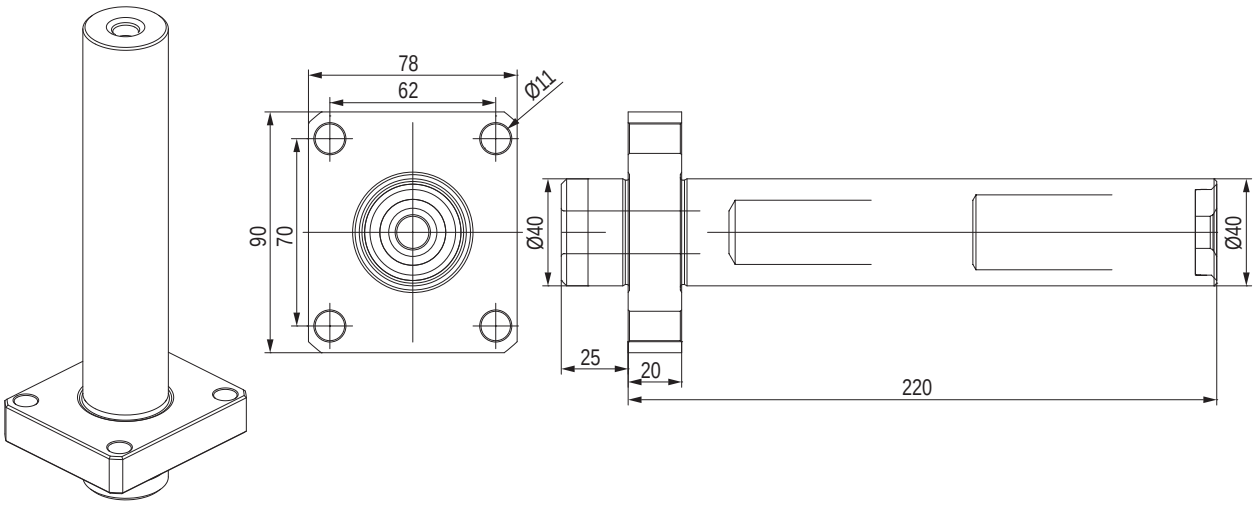
CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P bar
124-04005	ER32	12000	1:1	50	no	-
124-04006	ER32	12000	1:1	50	yes	20

PORTAUTENSILE MOTORIZZATO RADIALE
RADIAL DRILLING AND MILLING HEAD



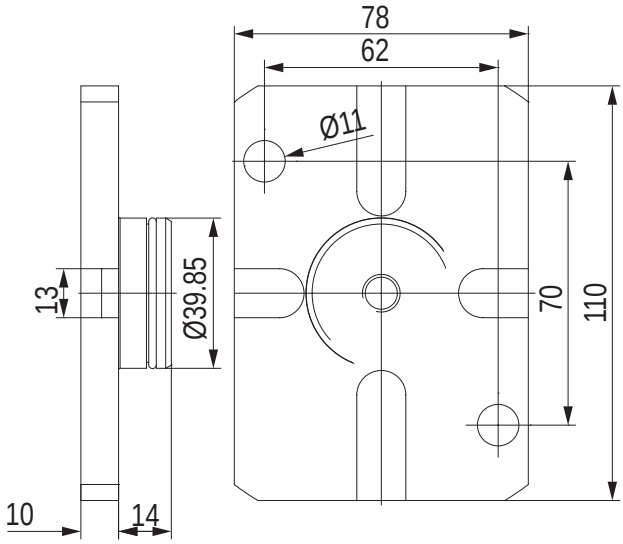
CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P bar
124-04007	ER32	6000	1:1	50	no	-
124-04008	ER32	6000	1:1	50	yes	20
124-04009	ER32	6000	1:1	50	yes	80

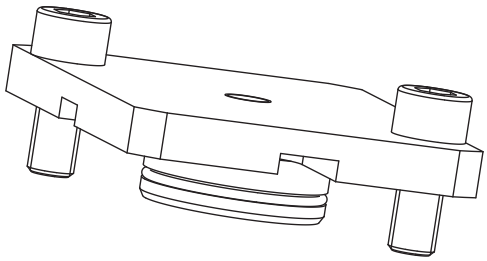
BARRA DI CONTROLLO - CONTROL PIN



CODE N.
137-00193

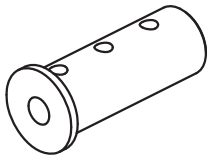
TAPPO DI PROTEZIONE - PROTECTION COVER

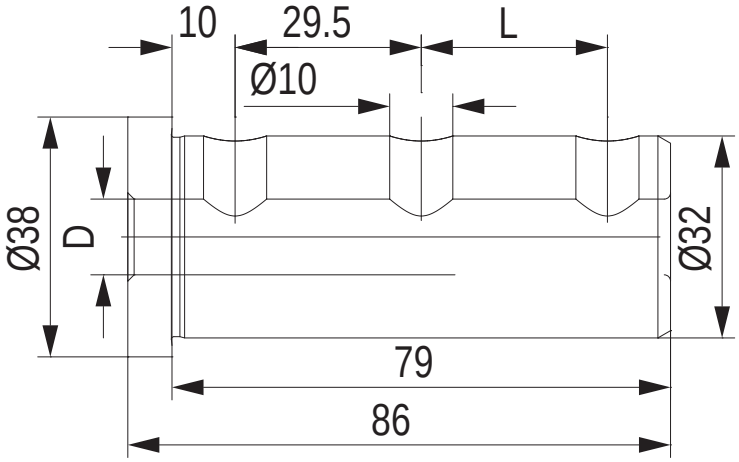




CODE N.	O RING COMP_2021-11
137-00245	823-101016

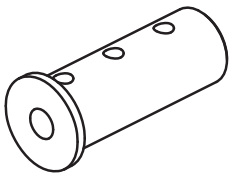
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

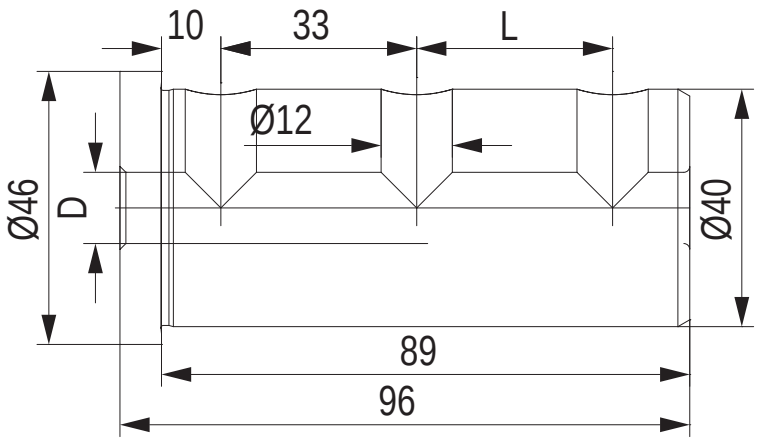




CODE N.	D	L
KMS-T20122	25	29.5
KMS-T20120	20	29.5
KMS-T20118	16	29.5
KMS-T20116	12	29.5
KMS-T20114	10	-
KMS-T20112	8	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER





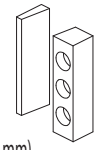
CODE N.	D	L
KMS-T20098	32	33
KMS-T20096	25	33
KMS-T20094	20	33
KMS-T20092	16	33
KMS-T20090	12	-
KMS-T20086	8	-
KMS-T20088	10	-

DMG MORI (BMT60)

NLX1500 (12 stazioni) - NLX2000
NLX2500 - NLX3000 - NLX4000
NL2000 (S)MC - 2500 (S)MC
NL3000MC (12 STATIONS)
NT3250 - NT4200 - NT4250
NT4300 - NT5400 - NZL2500
NT4000 - NT5000
NZL 2000/2500
NZX 2500 (station turret)
NTX 2000/2500/3000
2ND GEN. 10ST. - (TX2500 BMT60)

GOODWAY

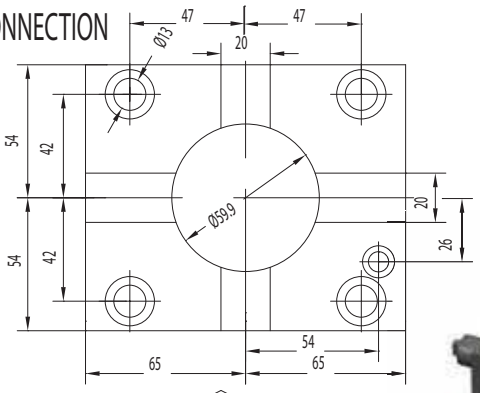
G4/G5 200
2600/280
3000/3300
3600
GS2000 SERIES
GS3000 SERIES
GS4000 SERIES

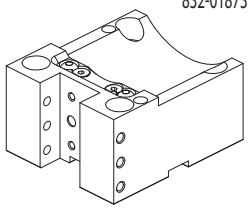


832-018722 (25 mm)
832-018732 (20 mm)

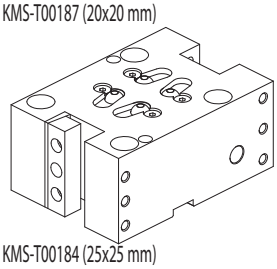
832-018721 (25 mm)
832-018731 (20 mm)

CONNECTION

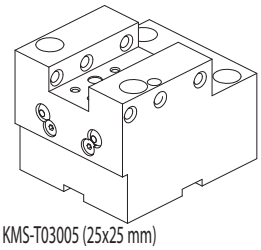




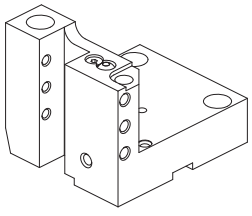
KMS-T00186 (25x25 mm)
KMS-T00187 (20x20 mm)



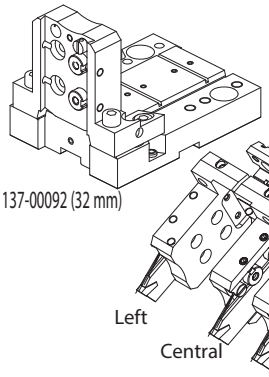
KMS-T00184 (25x25 mm)
KMS-T00185 (20x20 mm)



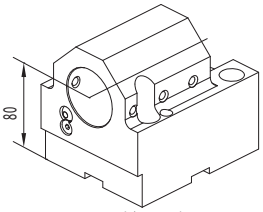
KMS-T03005 (25x25 mm)
KMS-T03006 (20x20 mm)



KMS-T00197 (25x25 mm)

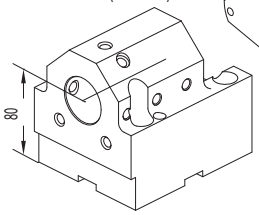


137-00092 (32 mm)

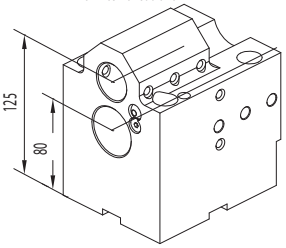


KMS-T10097 (Ø40 mm)
KMS-T10098 (Ø50 mm)

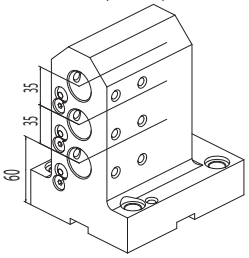
F70031



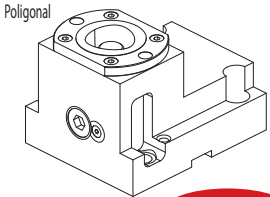
KMS-T13128 (Ø40 mm)
with internal coolant



KMS-T10096 (Ø32 mm)

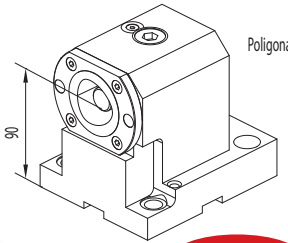


KMS-T10104 (Ø25 mm)



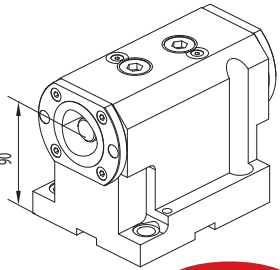
137-00241 (C40)
137-00187 (C50)

NEWS



137-00242 (C40)
137-00183 (C50)

NEWS



137-00243 (C40)
137-00185 (C50)

NEWS

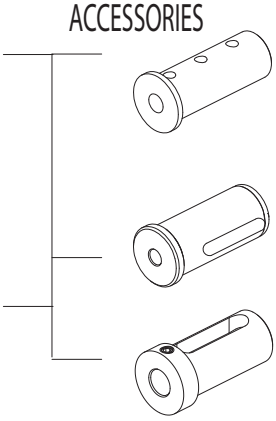
124-06001
124-06003 i.Coolant

124-06002
124-06004 i.Coolant
124-06015 i.Coolant 80 BAR

FAST-IN

124-06003
124-06004

ACCESSORIES



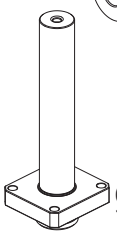
KMS-T20098 (Ø32 mm)
KMS-T20096 (Ø25 mm)
KMS-T20094 (Ø20 mm)
KMS-T20092 (Ø16 mm)
KMS-T20090 (Ø12 mm)
KMS-T20088 (Ø10 mm)
KMS-T20086 (Ø8 mm)

KMS-T22042 (MT3)
KMS-T22046 (MT2)

165-64241 (Ø16 mm)
165-64243 (Ø20 mm)
165-64244 (Ø25 mm)
165-64245 (Ø32 mm)

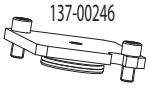
KMS-T20122 (Ø25 mm)
KMS-T20120 (Ø20 mm)
KMS-T20118 (Ø16 mm)
KMS-T20116 (Ø12 mm)
KMS-T20114 (Ø10 mm)
KMS-T20112 (Ø8 mm)

165-63347 (Ø16 mm)
165-63349 (Ø20 mm)
165-63350 (Ø25 mm)

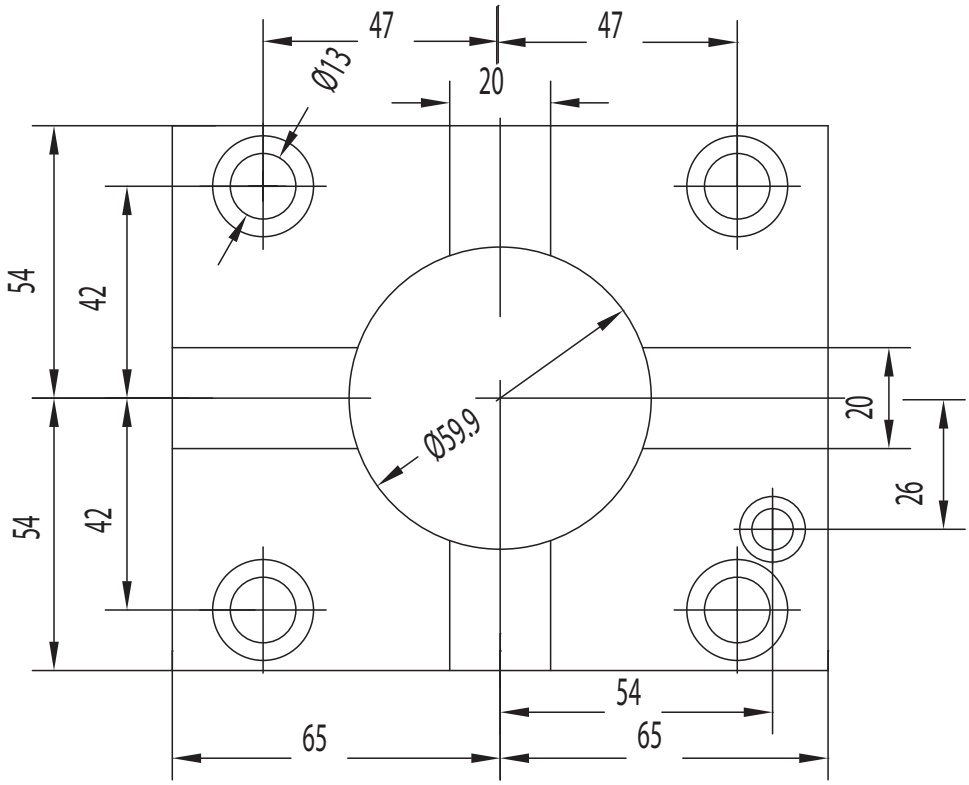


Control pin
137-00194

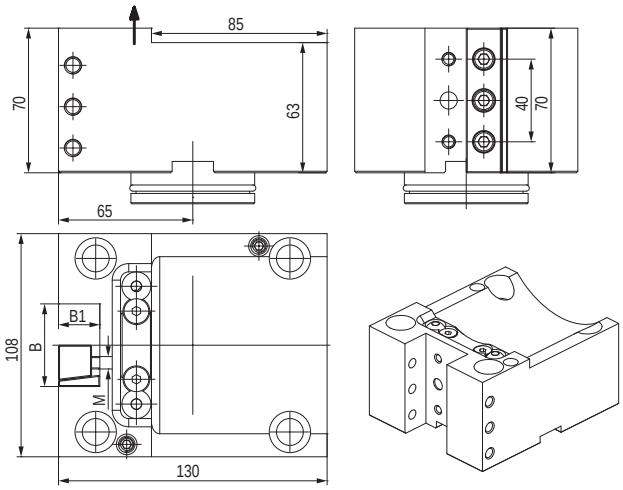
Protection cover
137-00246

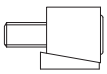
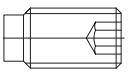
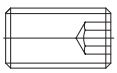
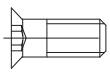


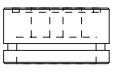
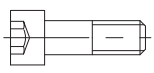
CONNECTION



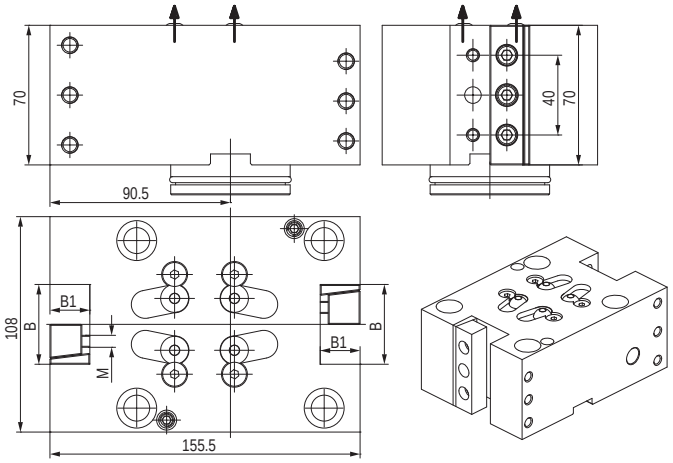
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

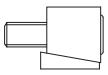
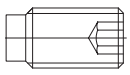
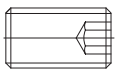
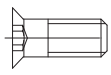


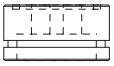
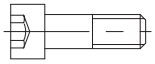
CODE N.	B	B1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
								
KMS-T00186	50	25	M8	832-018720	811-104021	811-102102	833-001470	811-108018
KMS-T00187	40	20	M6	832-018730	811-104021	811-102102	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T00186	832-018741	811-101041	823-101077	823-101069	823-101076
KMS-T00187	832-018741	811-101041	823-101077	823-101069	823-101076

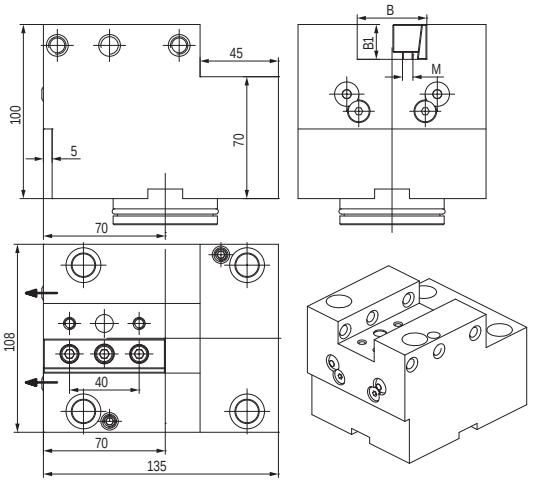
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

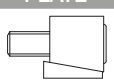
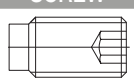
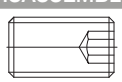
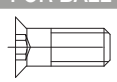


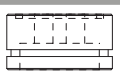
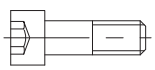
CODE N.	B	B1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
								
KMS-T00184	50	25	M8	832-018720	811-104021	811-102102	833-001470	811-108018
KMS-T00185	40	20	M6	832-018730	811-104021	811-102102	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T00184	832-018741	811-101041	823-101077	823-101069	823-101076
KMS-T00185	832-018741	811-101041	823-101077	823-101069	823-101076

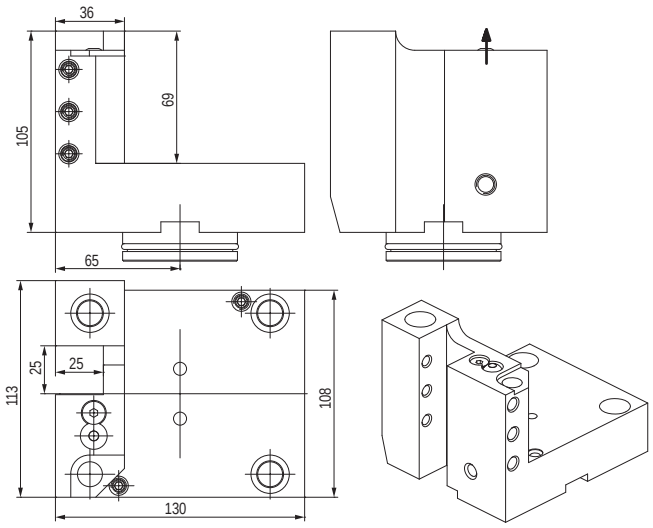
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

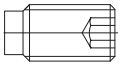
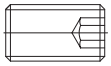
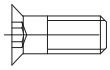


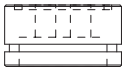
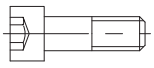
CODE N.	B	B1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
								
KMS-T03005	50	25	M8	832-018720	811-104030	811-102102	833-001470	811-108018
KMS-T03006	40	20	M6	832-018730	811-104030	811-102102	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T03005	832-018741	811-101041	823-101077	823-101069	823-101076
KMS-T03006	832-018741	811-101041	823-101077	823-101069	823-101076

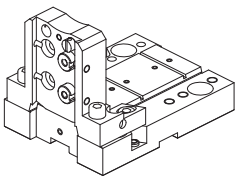
PORTALAMA - CUT-OFF TOOLHOLDERS

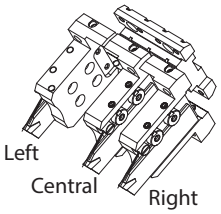


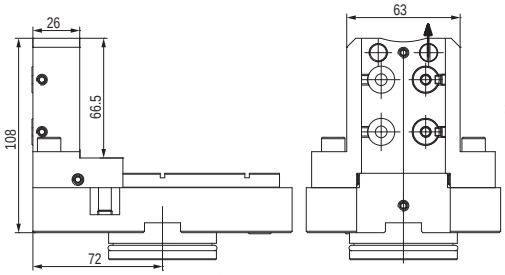
CODE N.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
				
KMS-T00197	811-104021	811-102032	833-001470	811-108018

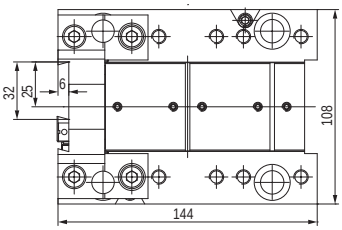
CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T00197	832-018741	811-101041	823-101077	823-101069	823-101076

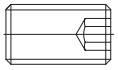
PORTALAMA - CUT-OFF TOOLHOLDERS

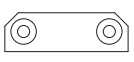
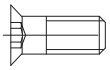
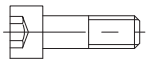
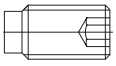


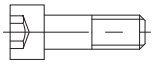




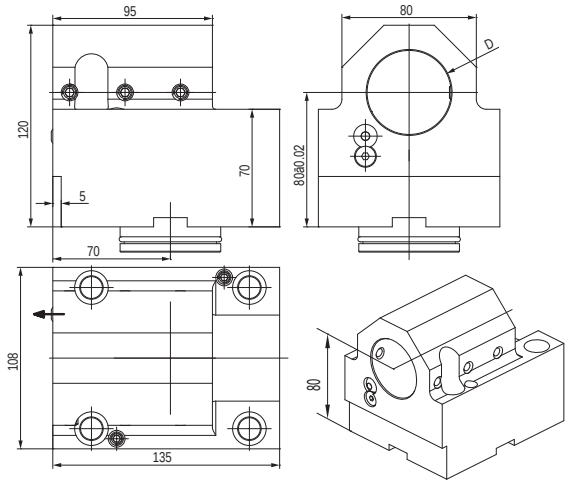


CODE N.	SCREW FOR DISASSEMBLE	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY
				
137-00092	811-102028	833-001490	823-101058	823-101061

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
137-00092	832-014449	811-108037	832-014450	824-300012	811-101028	811-104013

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54.5X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9X2)
					
137-00092	832-018741	811-101041	823-101070	823-101069	823-101015

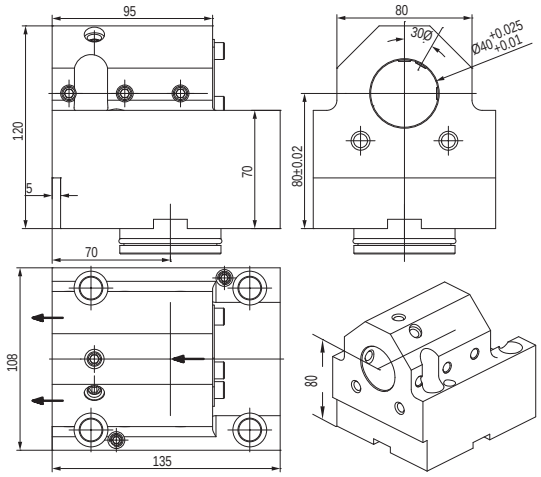
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	D	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T10097	40	811-104028	811-102102	833-001470	811-108018
KMS-T10098	50	811-104028	811-102102	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
KMS-T10097	832-018741	811-101041	823-101077	823-101069	823-101076
KMS-T10098	832-018741	811-101041	823-101077	823-101069	823-101076

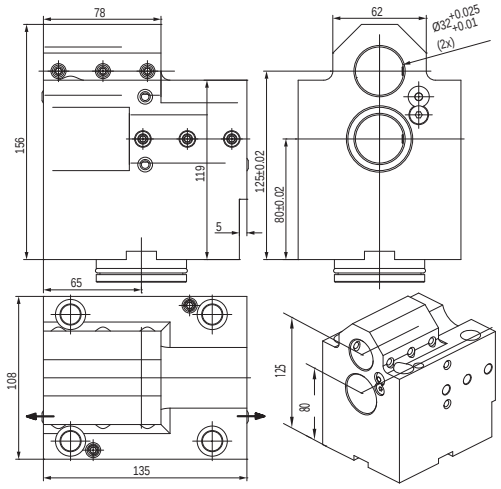
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

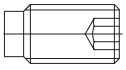
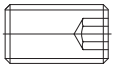
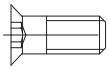


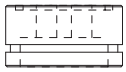
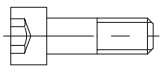
CODE N.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COVER F70031	SCREW FOR COVER
KMS-T13128	811-104028	811-102032	832-003229	811-101028

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
KMS-T13128	832-018741	811-101041	823-101077	823-101069	823-101076

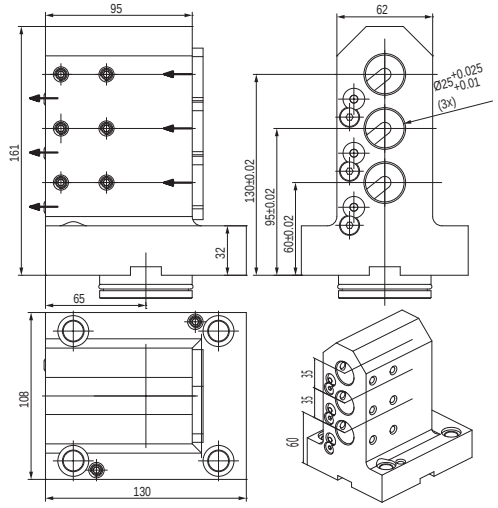
PORTAUTENSILE DOPPIO PER BARENI
DOUBLE TOOLHOLDER FOR BORING BAR

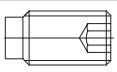
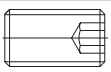
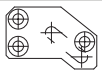
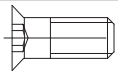


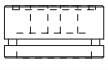
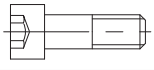
CODE N.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
				
KMS-T10096	811-104021	811-102102	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T10096	832-018741	811-101041	823-101077	823-101069	823-101076

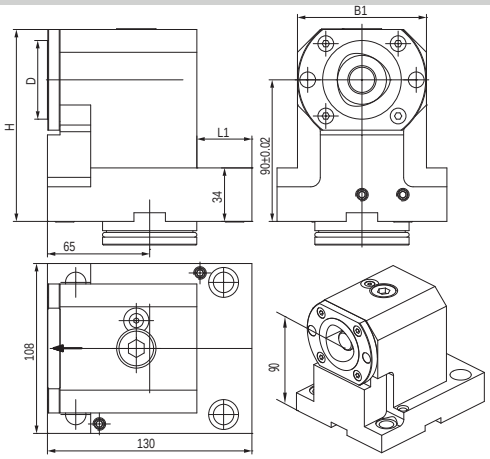
PORTAUTENSILE TRIPLO PER BARENI
TOOLHOLDER FOR BORING BAR

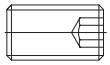


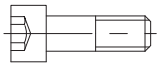
CODE N.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COVER T10104-2	COOLANT BALL	SCREW FOR BALL AND COVER
					
KMS-T10104	811-104021	811-102032	832-003241	833-001470	811-108018

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T10104	832-018741	811-101041	823-101077	823-101069	823-101076

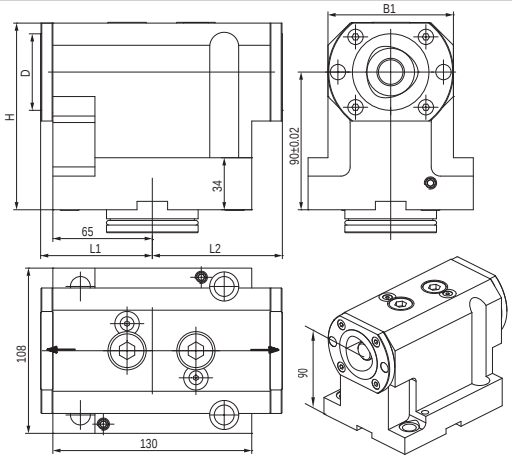
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS

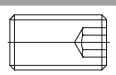


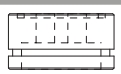
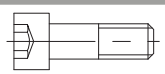
CODE N.	CAPTO	D	H	L1	B1	CLAMPING UNIT	SCREW FOR DISASSEMBLE
							
137-00242	C40	40	114	45	67	CXC40-10	811-102032
137-00183	C50	50	122	35	82	CXC50-10	811-102032

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
137-00242	832-018741	811-101041	823-101077	823-101069	823-101076
137-00183	832-018741	811-101041	823-101077	823-101069	823-101076

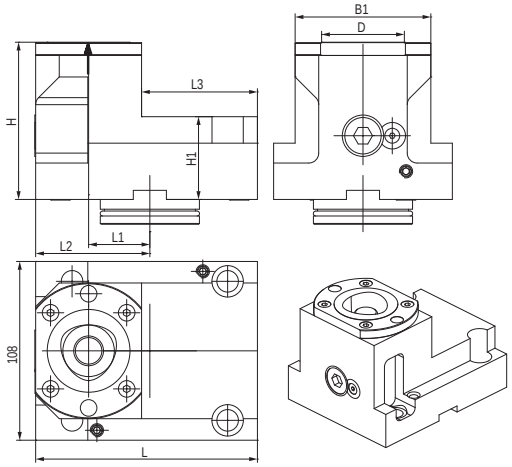
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS

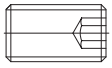


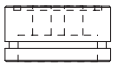
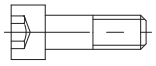
CODE N.	CAPTO	D	D	H	L1	B1	CLAMPING UNIT	SCREW FOR DISASSEMBLE
								
137-00243	C40	40	114	71	71	67	CXC40-10	811-102032
137-00185	C50	50	122	73	85	82	CXC50-10	811-102032

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
137-00243	832-018741	811-101041	823-101077	823-101069	823-101076
137-00185	832-018741	811-101041	823-101077	823-101069	823-101076

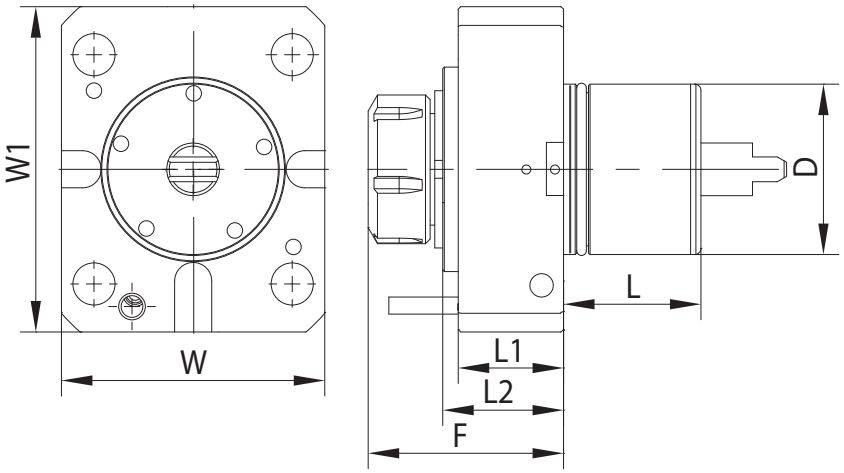
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



CODE N.	CAPTO	D	H	H1	L	L1	L2	L3	B1	CLAMPING UNIT	SCREW FOR DISASSEMBLE
											
137-00241	C40	40	80	42	130	41	65	82	67	CXC40-10	811-102032
137-00187	C50	50	95	50	134	37	69	70	82	CXC50-10	811-102032

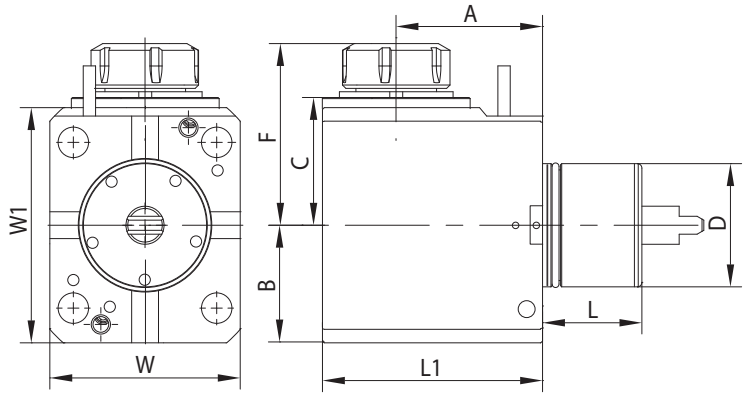
CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
137-00241	832-018741	811-101041	823-101077	823-101069	823-101076
137-00187	832-018741	811-101041	823-101077	823-101069	823-101076

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



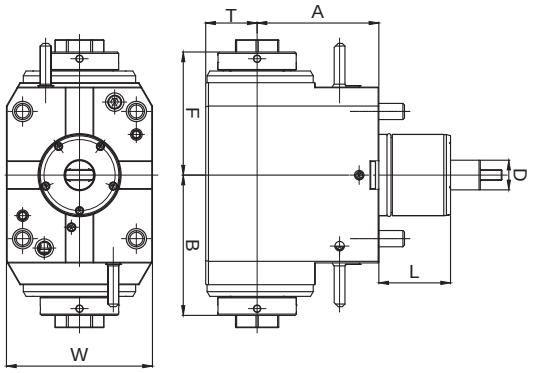
CODE N.	ER	D	F	L	L1	L2	W	W1	MAX. TORQUE (Nm)	NMAX (Rpm)	I	INTERNAL COOLING	P Bar
124-06001	ER32	60	89	53	48.5	58	108	130	70	6000	1:1	no	-
124-06003	ER32	60	89	53	48.5	58	108	130	70	6000	1:1	yes	20

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



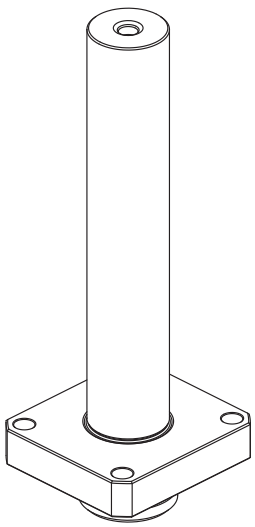
CODE N.	ER	D	F	L	L1	A	B	C	W	W1	MAX. TORQUE (Nm)	NMAX (Rpm)	I	INTERNAL COOLING	P Bar
124-06002	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	no	-
124-06004	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	yes	20
124-06015	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	yes	80

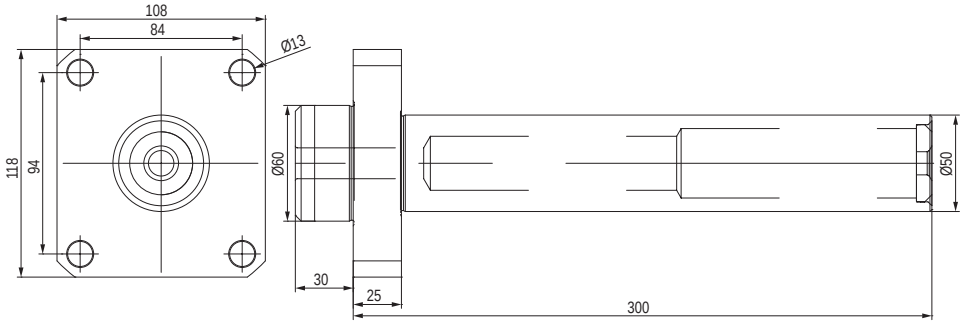
PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
DOUBLE ANGULAR DRILLING AND MILLING HEAD



CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06603	60	32	no	right/left	90	103.8	91	38	108	53	70	6000	1:1	-
124-06604	60	32	yes	right/left	90	103.8	91	38	108	53	70	6000	1:1	20

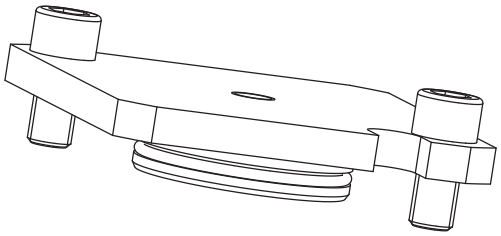
BARRA DI CONTROLLO - CONTROL PIN

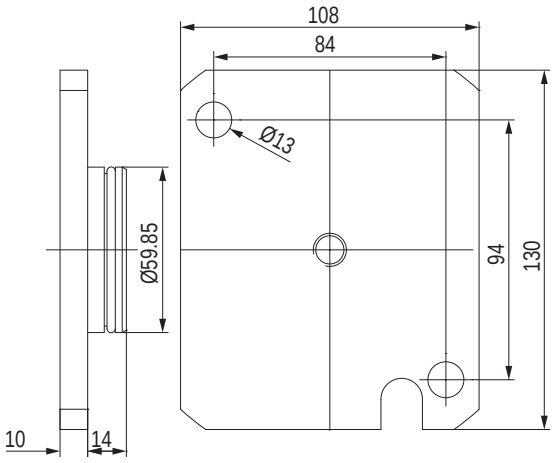




CODE N.
137-00194

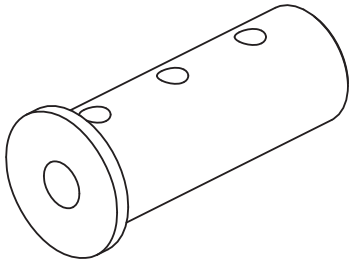
TAPPO DI PROTEZIONE - PROTECTION COVER

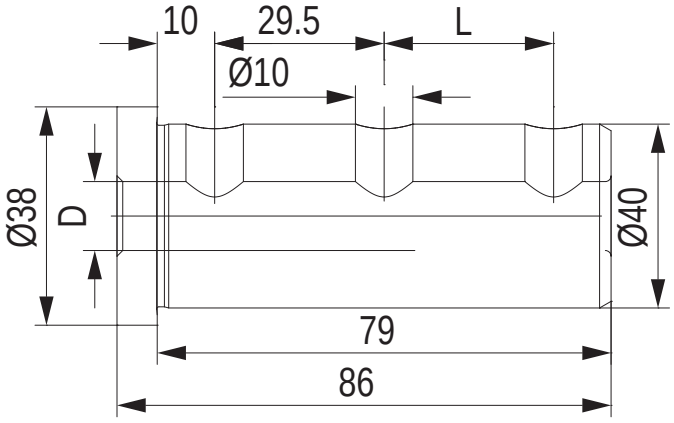




CODE N.	O RING
137-00246	823-101077

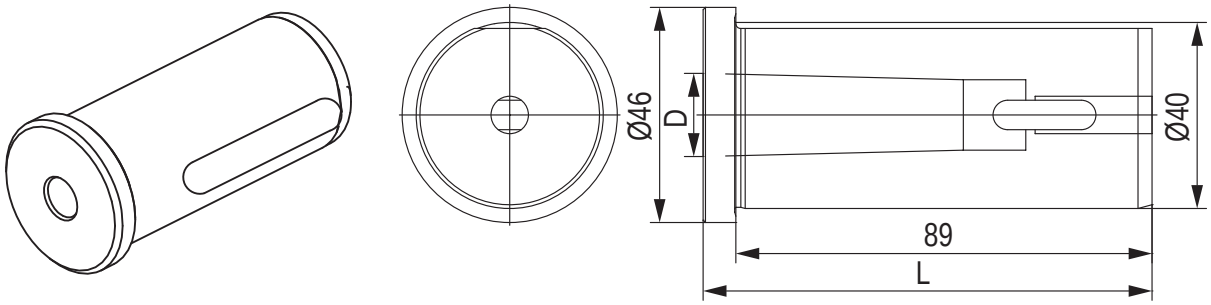
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER





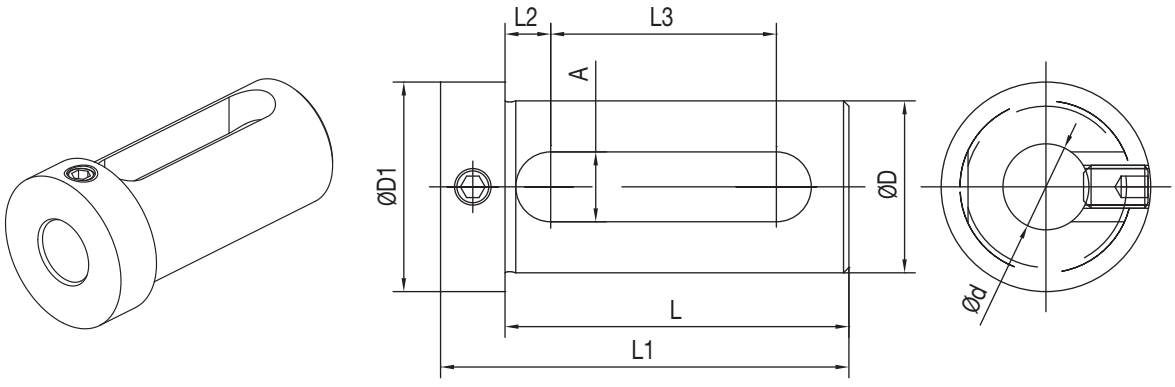
CODE N.	D	L	TYPE	SCREW
KMS-T20098	32	33	B	-
KMS-T20096	25	33	B	811-102017
KMS-T20094	20	33	A	811-102017
KMS-T20092	16	33	A	811-102017
KMS-T20090	12	-	A	811-102017
KMS-T20088	10	-	A	811-102017
KMS-T20086	8	-	A	811-102017

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



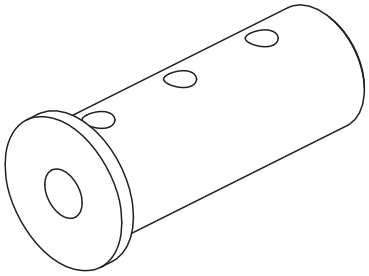
CODE N.	MORSE	D	H
KMS-T22042	3	23.825	108
KMS-T22046	2	17.78	96

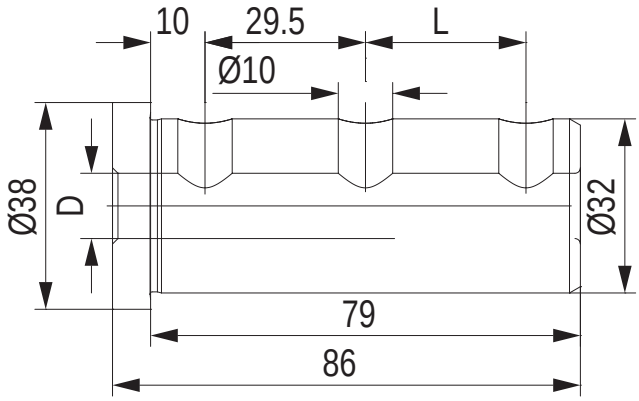
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

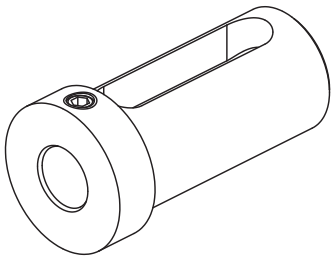
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

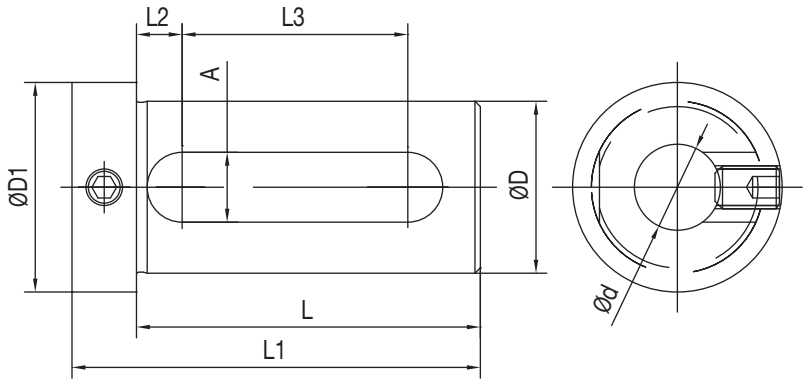




CODE N.	D	L	TYPE
KMS-T20122	25	29.5	B
KMS-T20120	20	29.5	B
KMS-T20118	16	29.5	A
KMS-T20116	12	29.5	A
KMS-T20114	10	-	A
KMS-T20112	8	-	A

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



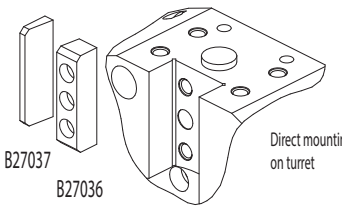


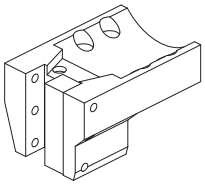
CODE N.	D	d	L	L1	L2	L3	A	D1
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

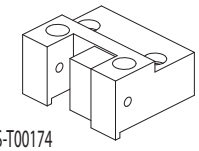
DMG MORI
CL 200/203
SL 20/25
SL 203/204/250/253
SL 254 (MC, SMC)/2500Y
SL 203MC
SL 253MC
ZL 200MC
ZL 250SMC
SL 204SMC
SL 300MC

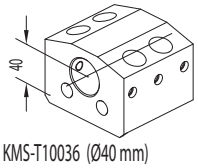
CMZ
TBI 520
TL 20/25
TC 15/20/25/30/35
TA 15M/Y/MS/MY/YS
TA 20M/Y/MS/MY/YS
TA 25M/Y/MS/MY/YS
TA 30M/Y/MS/MY/YS
TD 15/20/25/30/35/45
TD 55M/Y/MS/MY/YS

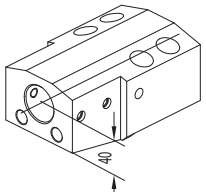
GOODWAY
GS 200/260/280
GA 2000/2600/2800
GA 3000/3300/3600

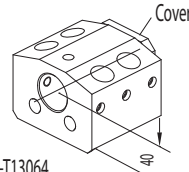

B27037
B27036
Direct mounting on turret

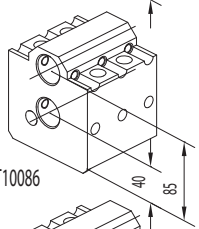

Face and O.D. cutting holder
KMS-T00076

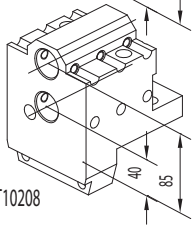

Face and O.D. cutting holder
KMS-T00174


40
Boring bar holder
KMS-T10036 (Ø40 mm)
KMS-T10044 (Ø50 mm)

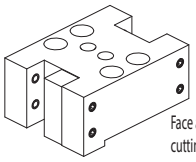

40
Boring bar holder
KMS-T10038 (Ø40 mm)
128-22519 (Ø50 mm)

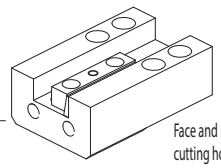

Cover:832-003063
Combi toolholder for boring bar and insertdril with internal coolant
Ø40 mm
40
KMS-T13064

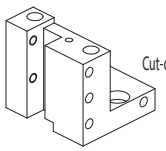

Boring bar holder
Ø32 mm
40
85
KMS-T10086


Boring bar holder
Ø32 mm
40
85
KMS-T10208

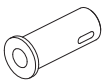
Qualified tool 25x25 mm

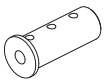

Face and O.D. cutting holder
KMS-T00158

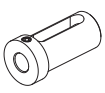

Face and I.D. cutting holder
KMS-T00082


Cut-off holder
Cut-off tool 25x25mm
KMS-T00156

ACCESSORIES


Drill socket D40
KMS-T22042 <MT3>
KMS-T22046 <MT2>

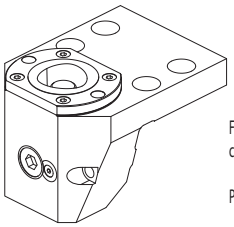

Boring bar sleeve D40
KMS-T20098 (Ø32 mm)
KMS-T20096 (Ø25 mm)
KMS-T20094 (Ø20 mm)
KMS-T20092 (Ø16 mm)
KMS-T20090 (Ø12 mm)
KMS-T20088 (Ø10 mm)
KMS-T20086 (Ø8 mm)


Boring bar sleeve D40
165-64241 (Ø16 mm)
165-64243 (Ø20 mm)
165-64244 (Ø25 mm)
165-64245 (Ø32 mm)

Boring bar sleeve D50
165-65017 (Ø25 mm)
165-65018 (Ø32 mm)
165-65019 (Ø40 mm)

Boring bar sleeve
KMS-T20122 (Ø25 mm)
KMS-T20120 (Ø20 mm)
KMS-T20118 (Ø16 mm)
KMS-T20116 (Ø12 mm)
KMS-T20114 (Ø10 mm)
KMS-T20112 (Ø8 mm)

Boring bar sleeve
165-63347 (Ø16 mm)
165-63349 (Ø20 mm)
165-63350 (Ø25 mm)


Face and O.D. cutting holder
Poligonal
128-12527 (C40)
128-12513 (C50)
NEWS

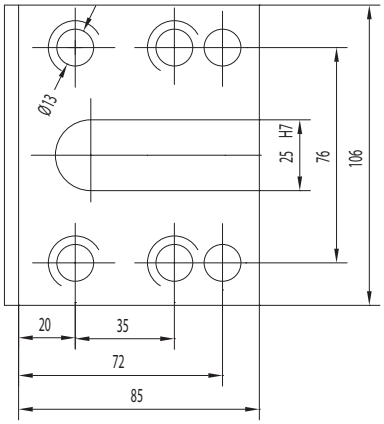
Driven tools

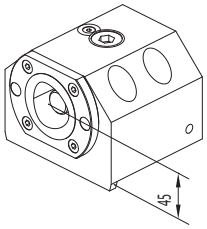
FAST-IN

124-00001
124-00002 i.coolant

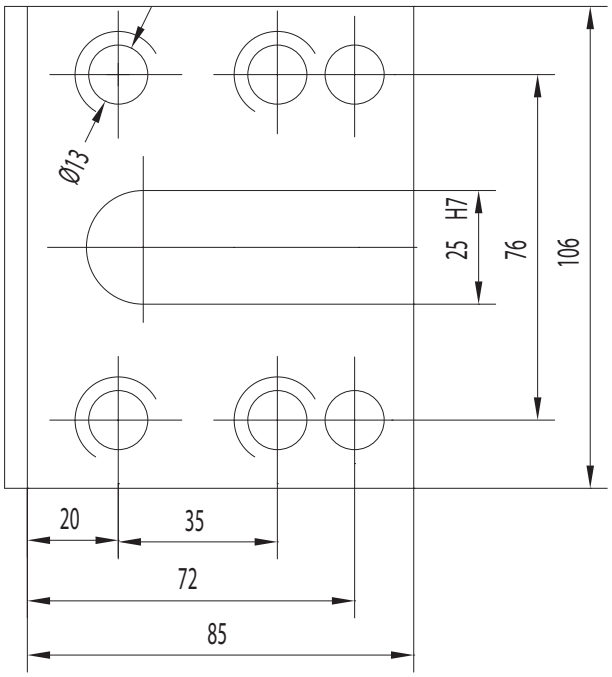
124-00003
124-00004 i.coolant

CONNECTION

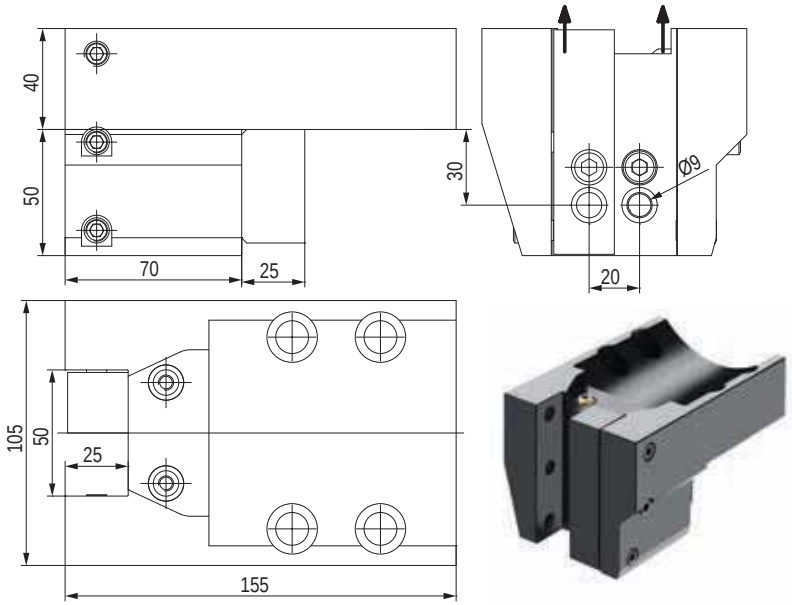


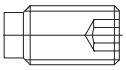
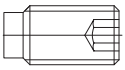
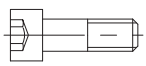

Boring bar holder
Poligonal
45
128-12526 (C40)
128-12509 (C50)
NEWS

CONNECTION

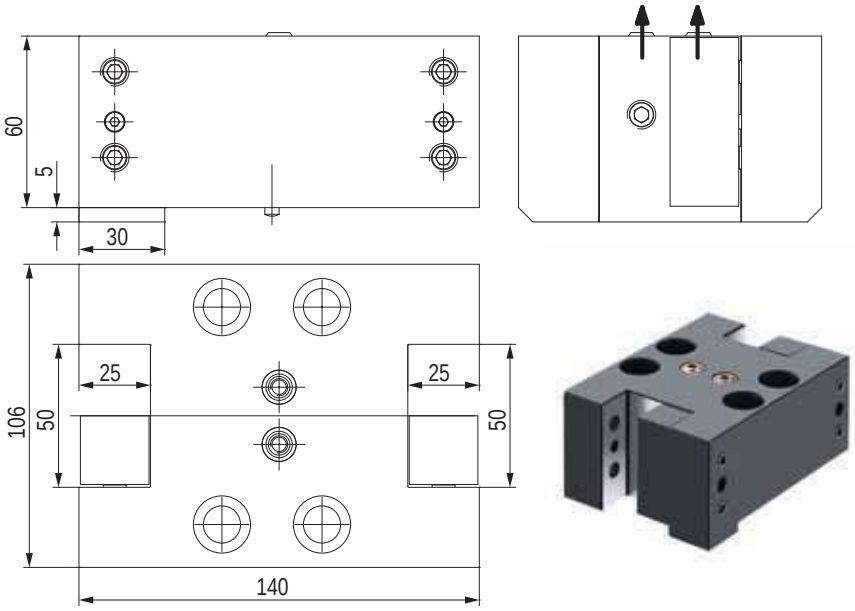


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



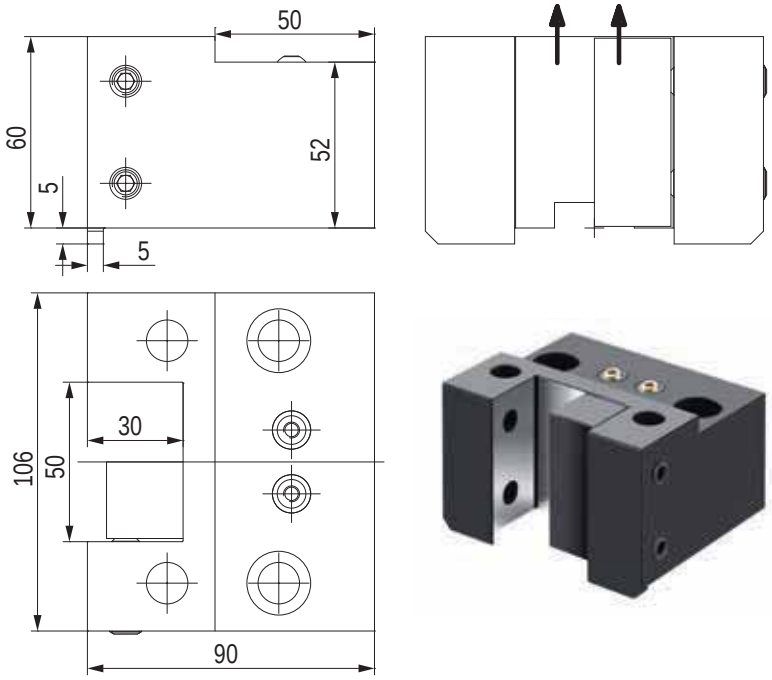
CODE N.	CLAMPING SCREW1 (M10X25)	CLAMPING SCREW2 (M10X16)	CLAMPING PLATE	COOLANT NOZZLE	SPACER	SCREW FOR SPACER
						
KMS-T00076	811-104030	811-104028	832-002117	833-001090	832-002116	811-101046

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



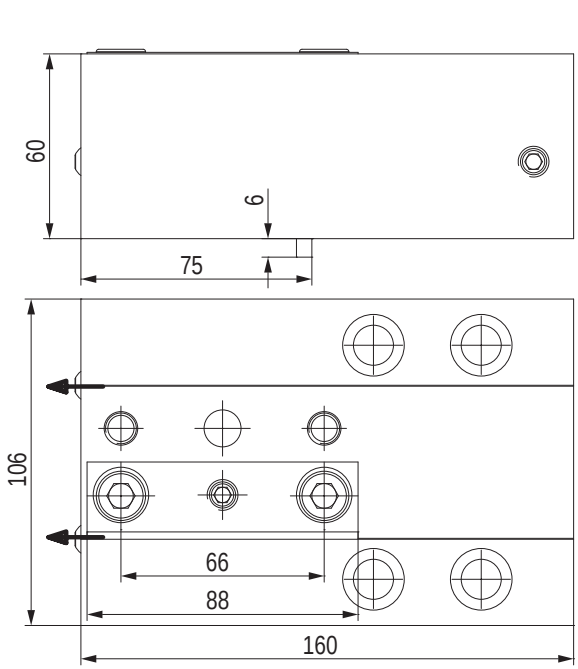
CODE N.	CLAMPING SCREW	CLAMPING PLATE	SCREW FOR CLAMPING PLATE	SPRING FOR CLAMPING PLATE	COOLANT NOZZLE	PIN
KMS-T00158	811-104030	832-002095	811-302004	824-101010	833-001110	815-220008

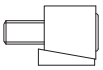
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



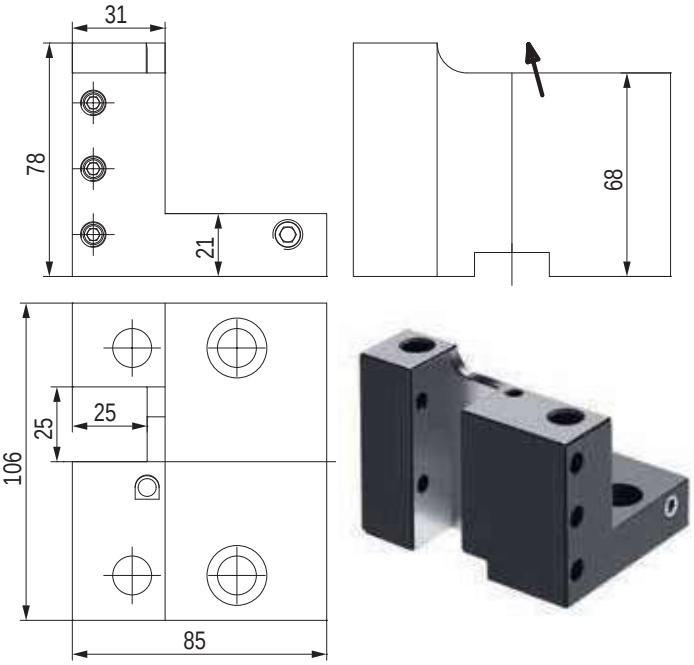
CODE N.	CLAMPING SCREW	CLAMPING PLATE	COOLANT NOZZLE
KMS-T00174	811-102040	832-002095	833-001080

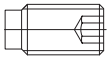
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



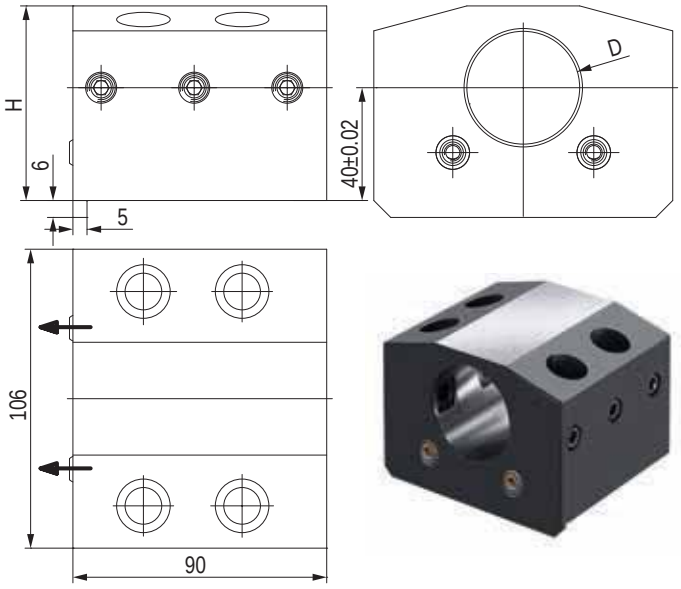
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00082	832-007500	833-001080

PORTALAMA - CUT-OFF HOLDERS



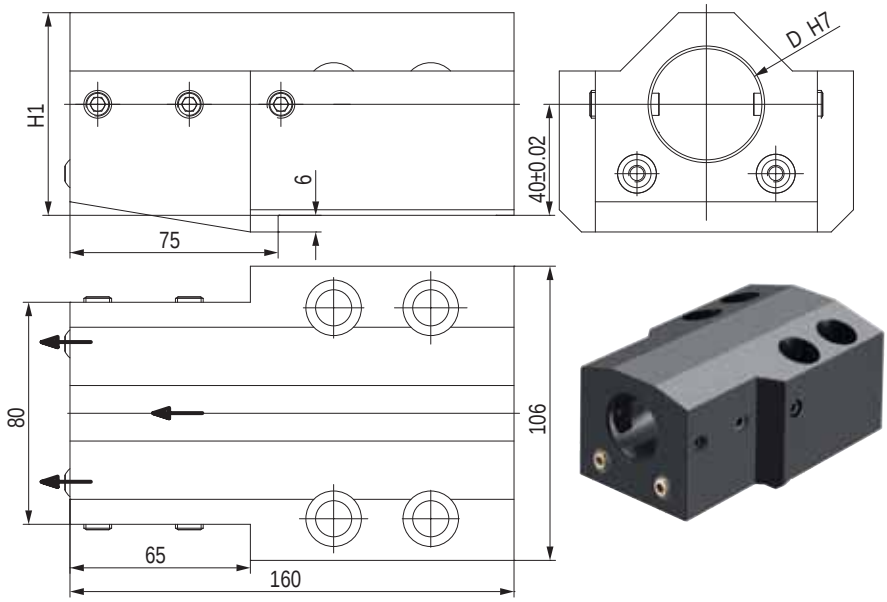
CODE N.	CLAMPING SCREW
	
KMS-T00156	811-104023

PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



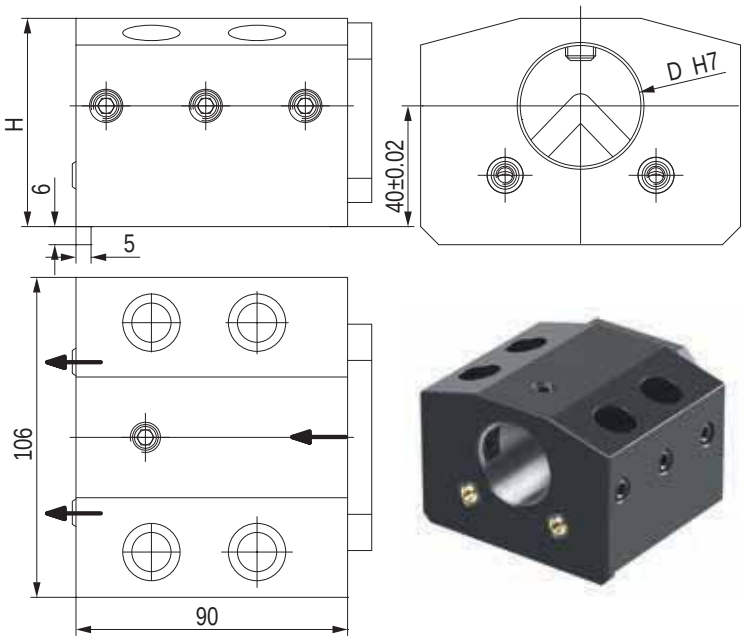
CODE N.	D	H	CLAMPING SCREW	COOLANT NOZZLE
KMS-T10036	40	69	811-102039	833-001110
KMS-T10044	50	74	811-102038	833-001110

PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



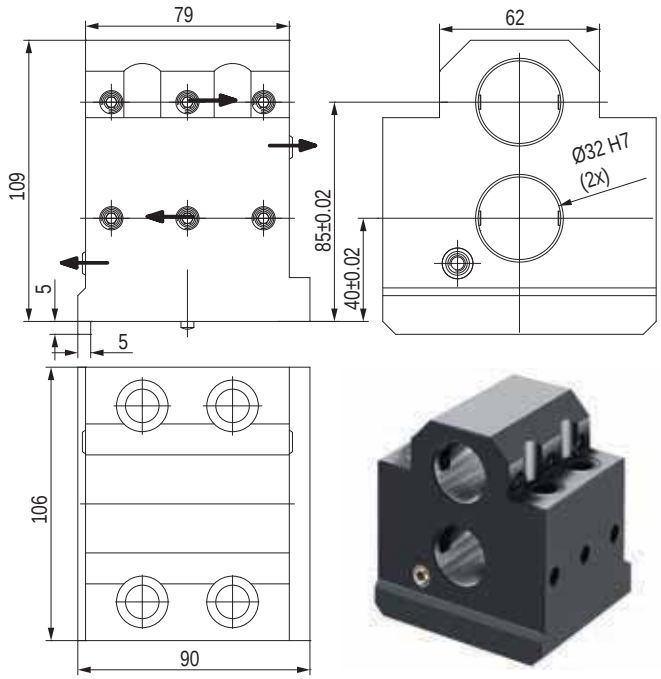
CODE N.	D	H1	CLAMPING SCREW	CLAMPING SCREW	COOLANT NOZZLE
KMS-T10038	40	73	811-104030	-	833-001090
128-22519	50	76	-	811-102043	833-001090

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



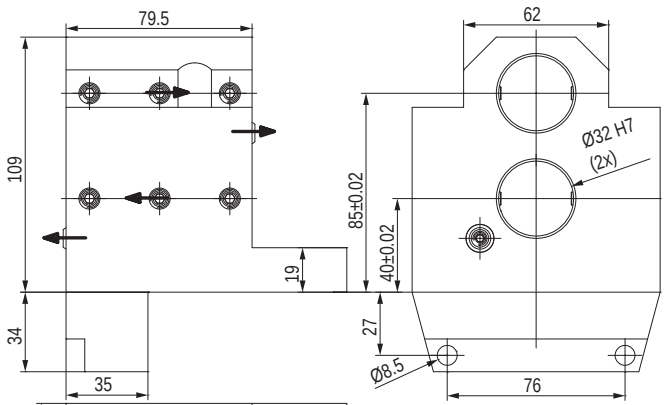
CODE N.	CLAMPING SCREW1 (M10X25)	CLAMPING SCREW2 (M10X14)	COOLANT NOZZLE	COVER	SCREW FOR COVER
KMS-T13064	811-102039	811-102060	833-001110	832-003063	811-101016

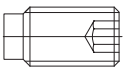
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



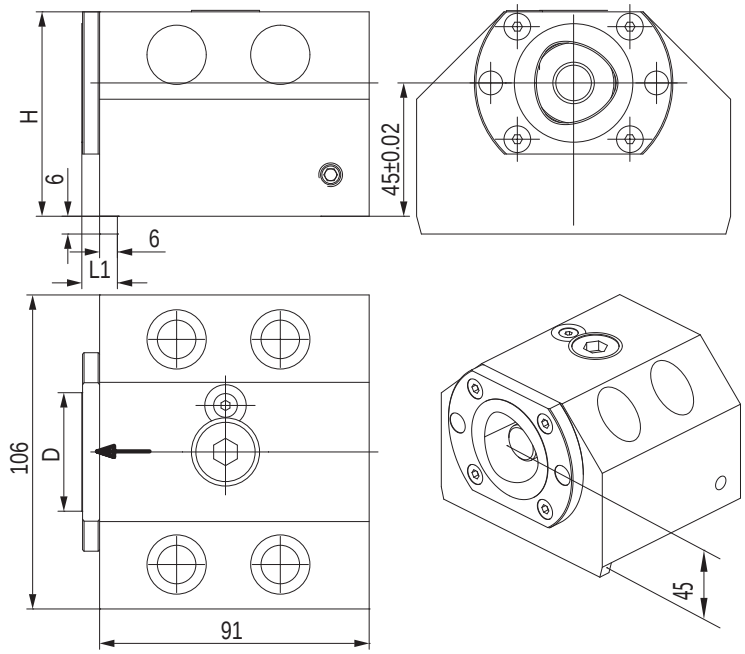
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	PIN
KMS-T10086	811-104021	833-001110	815-210170

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



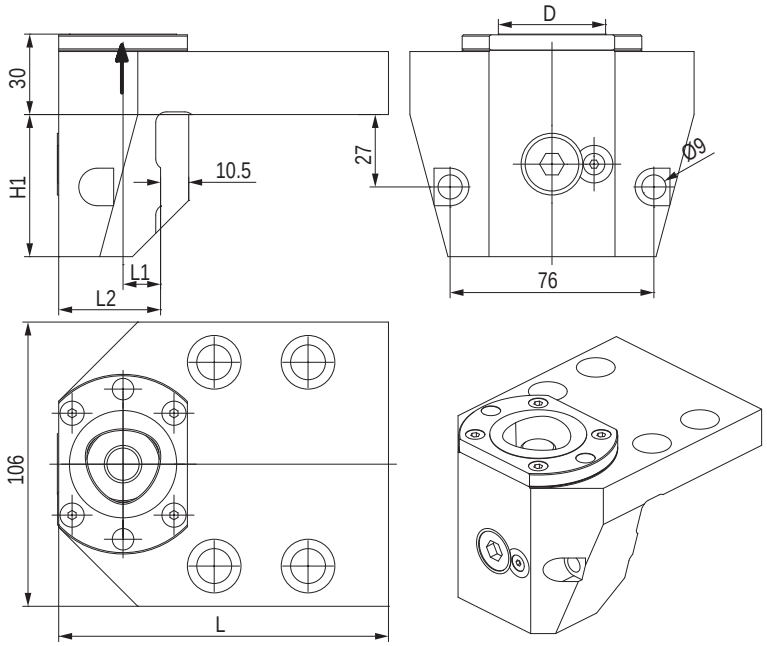
CODE N.	CLAMPING SCREW	COOLANT NOZZLE
		
KMS-T10208	811-104021	833-001110

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



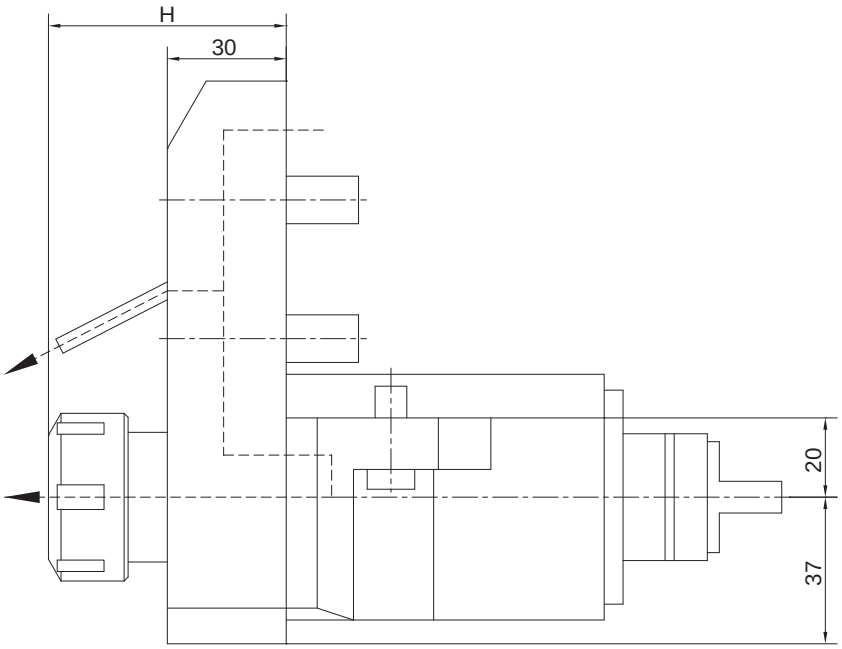
CODE N.	CAPTO	D	H	L1	CLAMPING UNIT
128-12526	C40	40	69	12	CXC40-10
128-12509	C50	50	77	14	CXC50-10

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



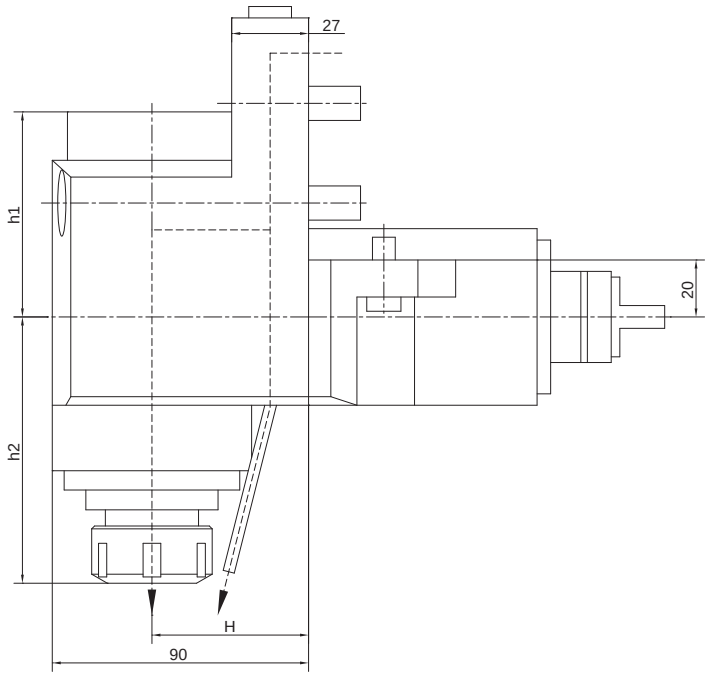
CODE N.	CAPTO	D	H1	L	L1	L2	CLAMPING UNIT
128-12527	C40	40	53	123	14	38	CXC40-10
128-12513	C50	50	65	139	22	54	CXC50-10

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



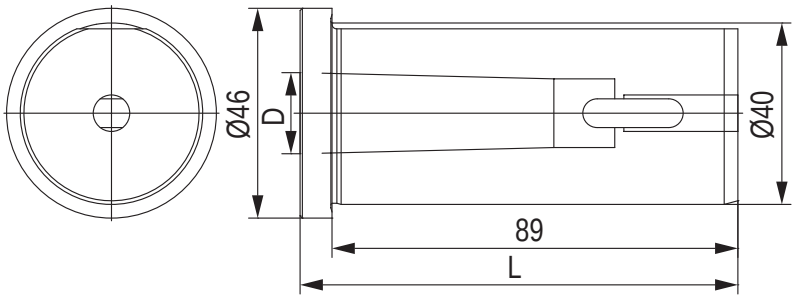
CODE N.	ER	H	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00001	ER32	55.5-60	6000	1:1	70	no	-
124-00002	ER32	55.5-60	6000	1:1	70	yes	80

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



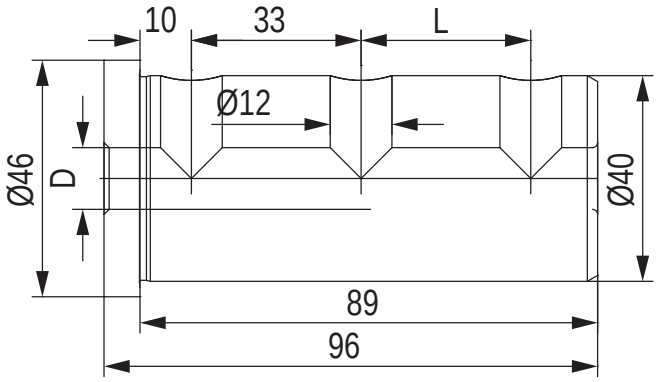
CODE N.	ER	H	h1	h2	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00003	ER32	55	57	89-93.5	6000	1:1	70	no	-
124-00004	ER32	55	72	89-93.5	6000	1:1	70	yes	80

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



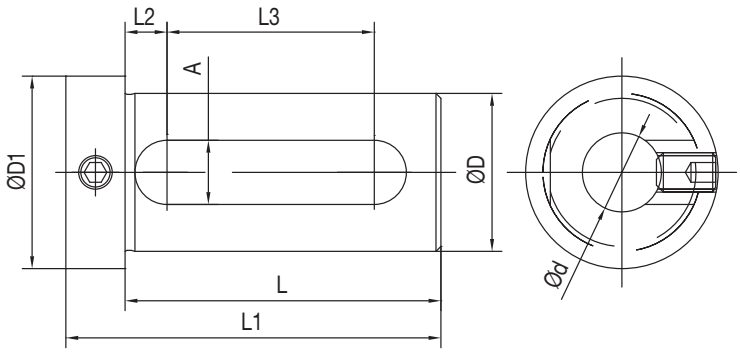
CODE N.	MORSE	D	H
KMS-T22042	3	23.825	108
KMS-T22046	2	17.78	96

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



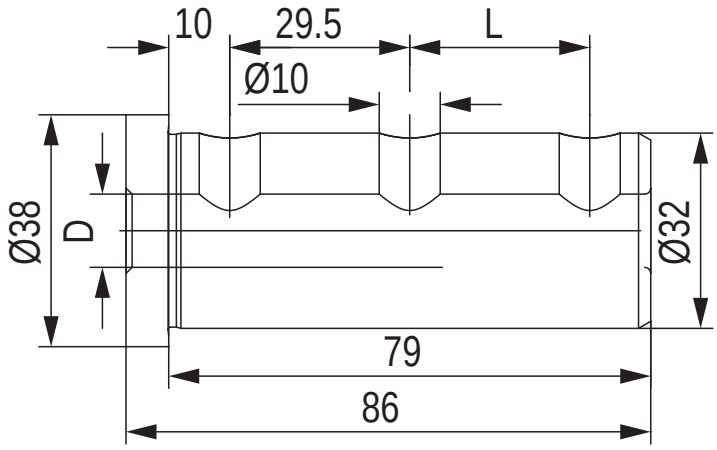
CODE N.	D	L
KMS-T20098	32	33
KMS-T20096	25	33
KMS-T20094	20	33
KMS-T20092	16	33
KMS-T20090	12	-
KMS-T20088	10	-
KMS-T20086	8	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



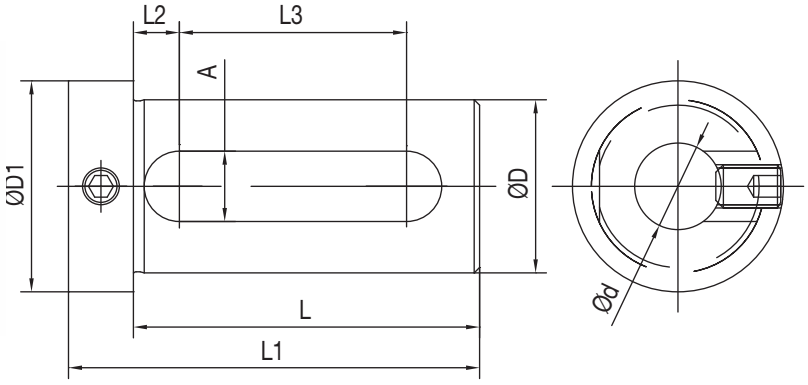
CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48
165-65017	50	25	84	98	9	61	14	59
165-65018	50	32	84	98	9	61	14	59
165-65019	50	40	84	98	9	61	14	59

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	L
KMS-T20122	25	29.5
KMS-T20120	20	29.5
KMS-T20118	16	29.5
KMS-T20116	12	29.5
KMS-T20114	10	-
KMS-T20112	8	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

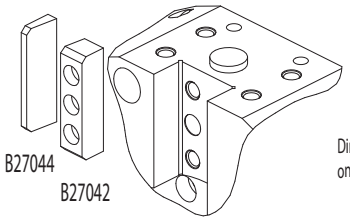


CODE N.	D	d	L	L1	L2	L3	A	D1
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

DMG MORI

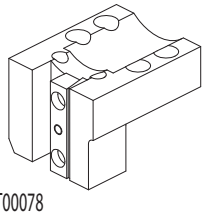
SL150
SL153
ZL150
CL150
SL154
SL153MC
ZL150MC
SL154MC

CMZ TL15



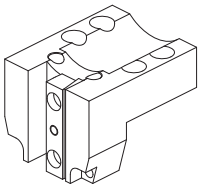
B27044
B27042

Direct mounting on turret



KMS-T00078

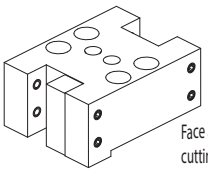
Face and O.D. cutting holder (Only for CL-150)



KMS-T00146

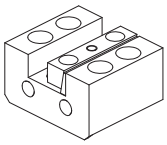
Face and O.D. cutting holder

Qualified tool 20x20 mm



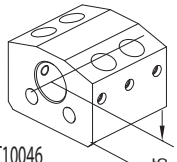
KMS-T00108

Face and O.D. cutting holder



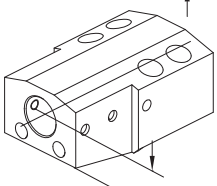
KMS-T00080

Face and I.D. cutting holder



KMS-T10046

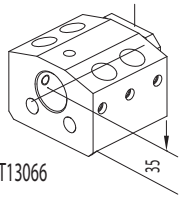
Boring bar holder
Ø32 mm



KMS-T10052

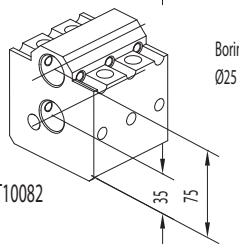
Boring bar holder
Ø32 mm

Cover:832-003062



KMS-T13066

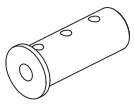
Combi toolholder for boring bar and insertdril with internal coolant
Ø32 mm



KMS-T10082

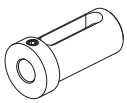
Boring bar holder
Ø25 mm

ACCESSORIES



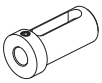
Boring bar sleeve

KMS-T20122 (Ø25 mm)
KMS-T20120 (Ø20 mm)
KMS-T20118 (Ø16 mm)
KMS-T20116 (Ø12 mm)
KMS-T20114 (Ø10 mm)
KMS-T20112 (Ø8 mm)



Boring bar sleeve

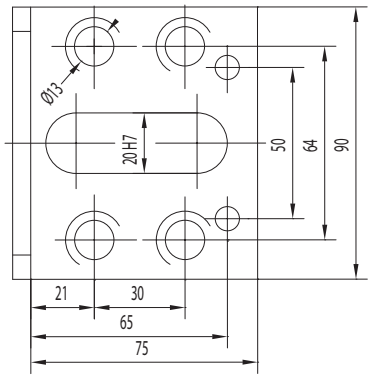
165-63347 (Ø16 mm)
165-63349 (Ø20 mm)
165-63350 (Ø25 mm)



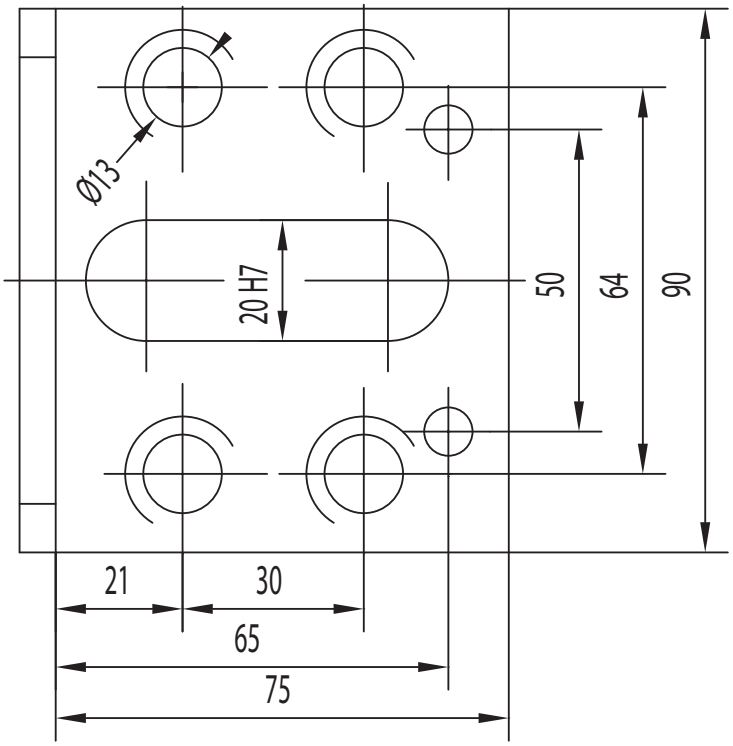
Boring bar sleeve

165-62545 (Ø12 mm)
165-62547 (Ø16 mm)
165-62549 (Ø20 mm)

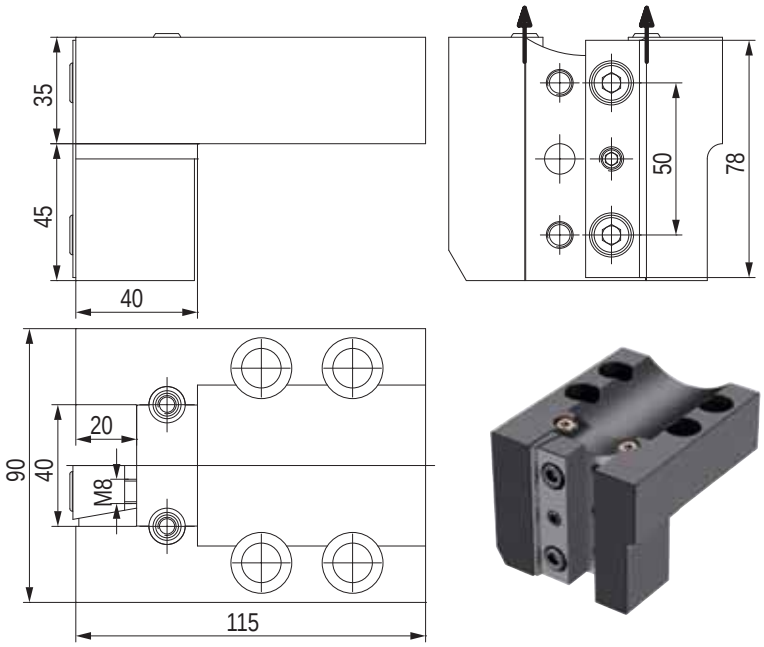
CONNECTION



CONNECTION

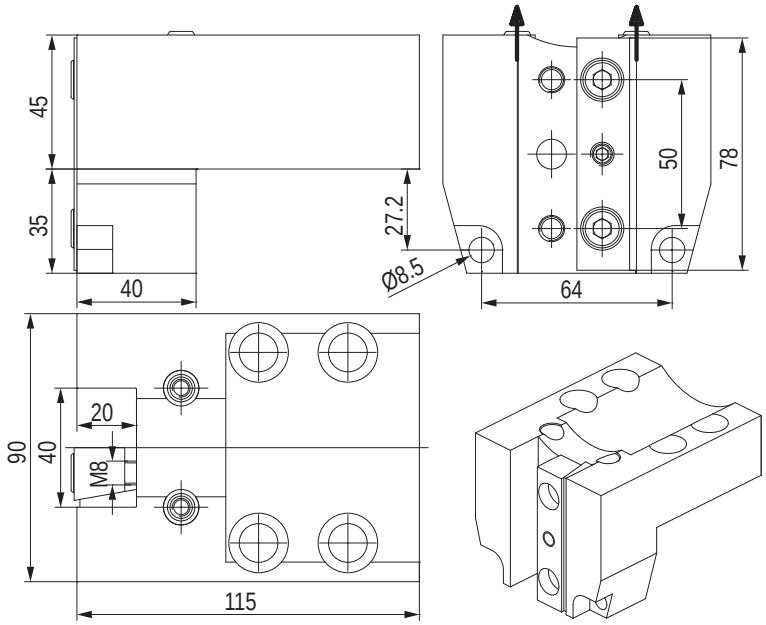


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



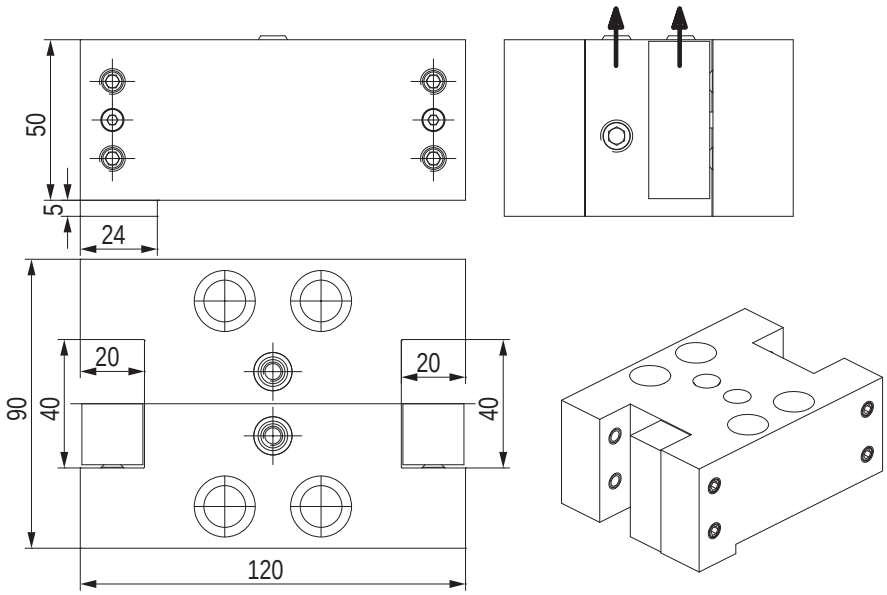
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
KMS-T00078	832-007200	833-001110

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



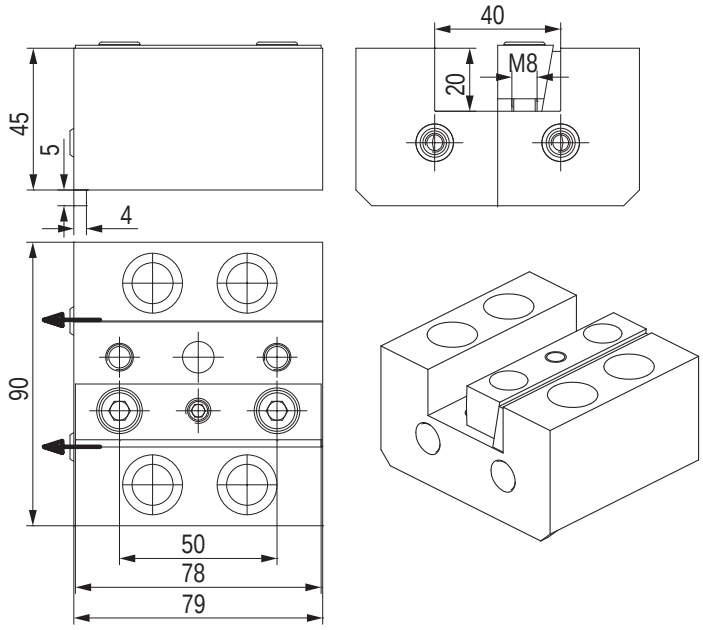
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
KMS-T00146	832-007200	833-001110

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



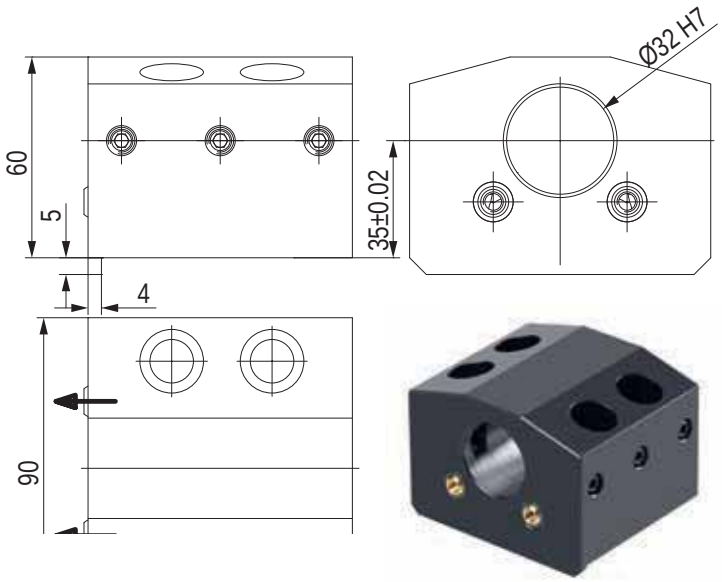
CODE N.	CLAMPING SCREW	CLAMPING PLATE	SPRING FOR CLAMPING PLATE	SCREW FOR CLAMPING PLATE	COOLANT NOZZLE
KMS-T00108	811-102031	832-002096	824-101010	811-302004	833-001110

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



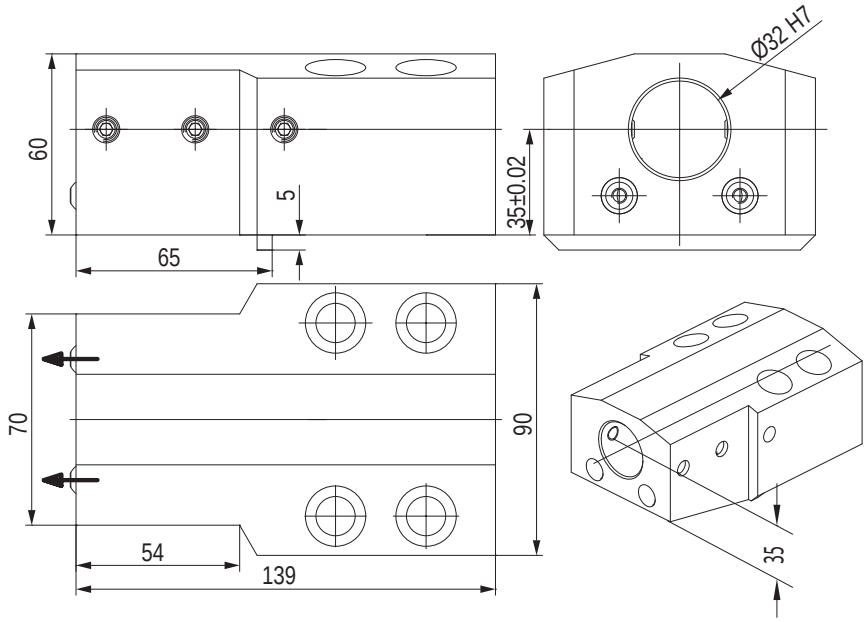
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
KMS-T00080	832-007200	833-001110

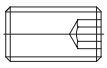
PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



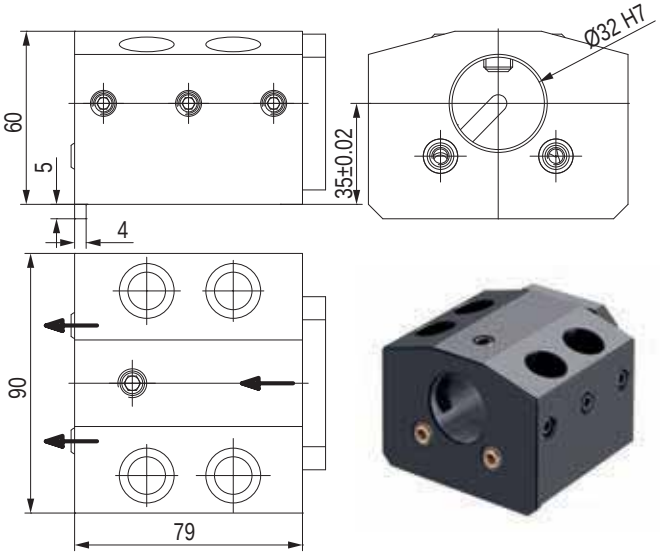
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
KMS-T10046	811-102031	833-001110

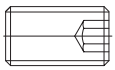
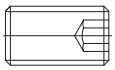
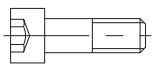
PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



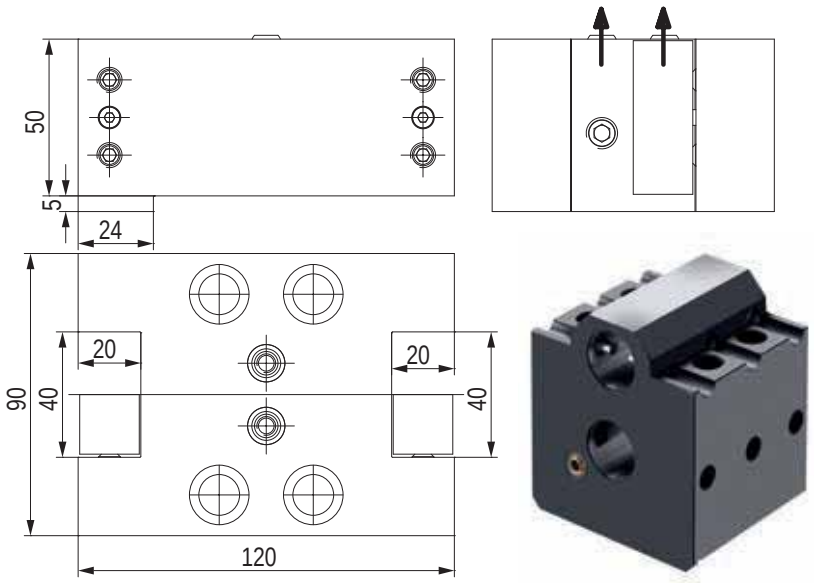
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T10052	811-102030	833-001080

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



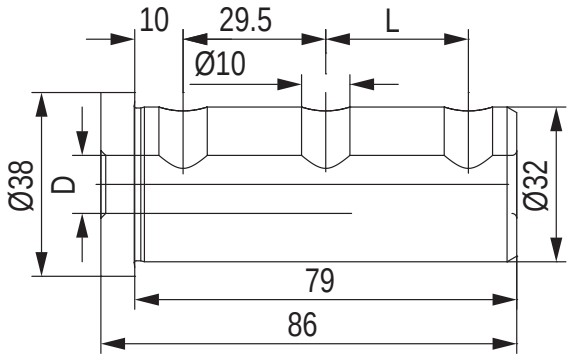
CODE N.	CLAMPING SCREW 1 (M8X25)	CLAMPING SCREW 2 (M10X14)	COOLANT NOZZLE	COVER	SCREW FOR COVER
					
KMS-T13066	811-102031	811-102060	833-001110	832-003062	811-101016

PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



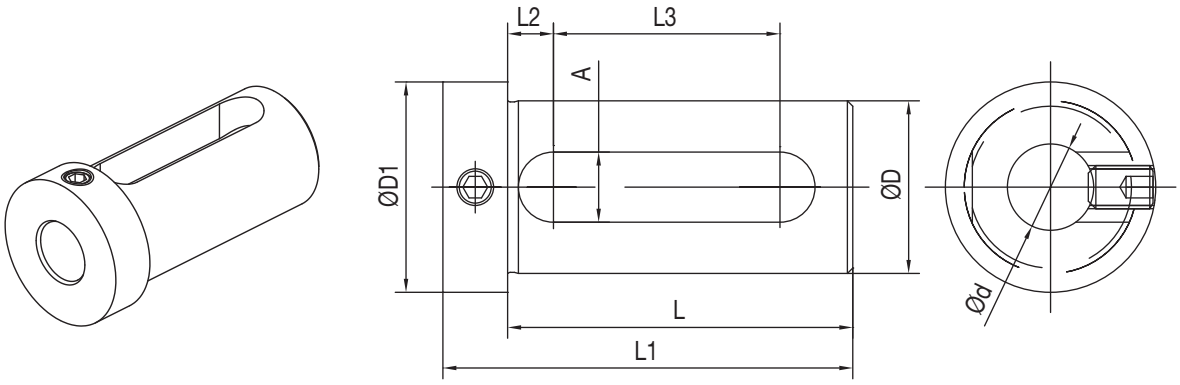
CODE N.	CLAMPING SCREW	COOLANT NOZZLE
KMS-T10082	811-104021	833-001110

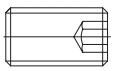
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

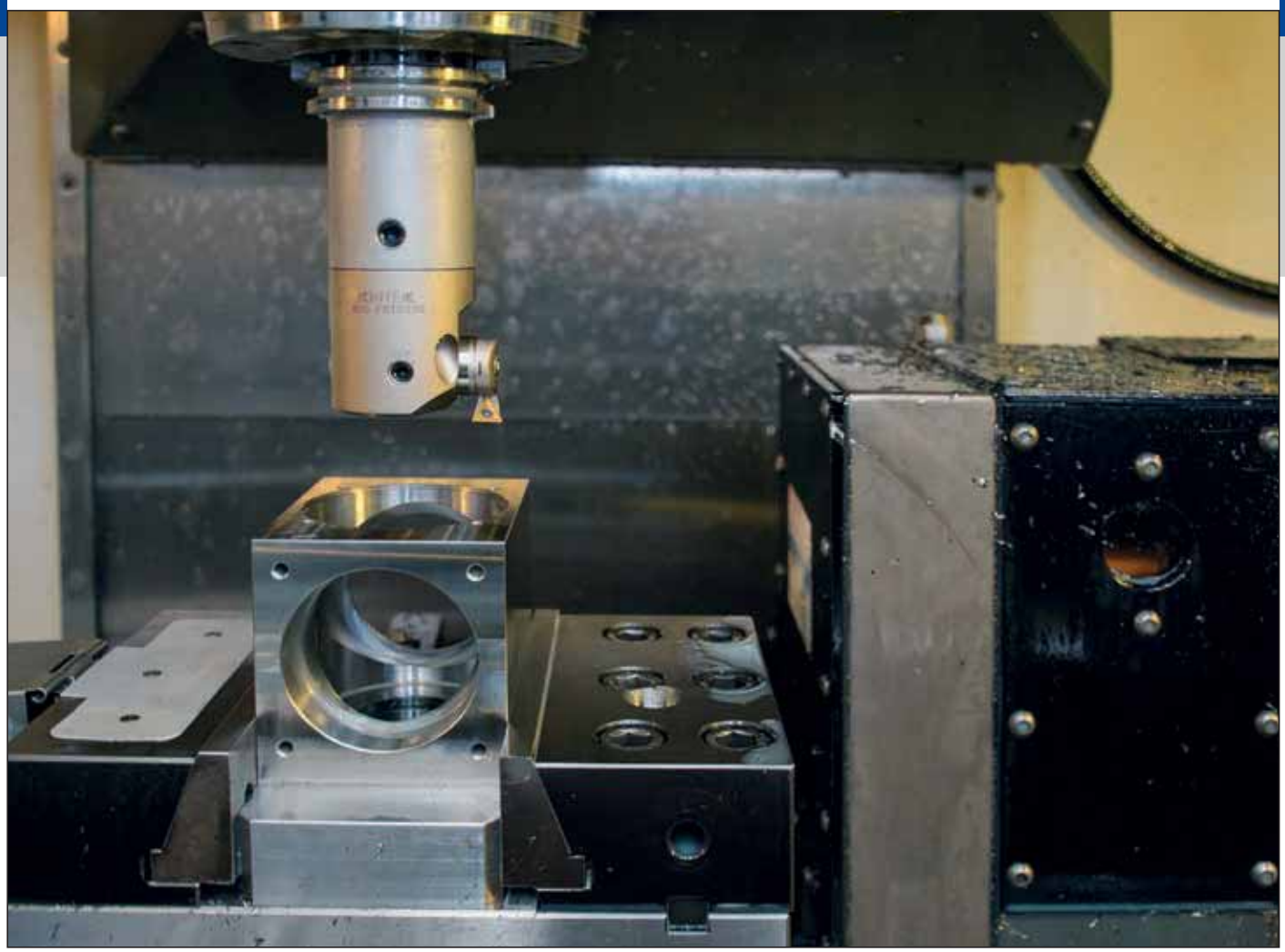


CODE N.	D	L
KMS-T20122	25	29.5
KMS-T20120	20	29.5
KMS-T20118	16	29.5
KMS-T20116	12	29.5
KMS-T20114	10	-
KMS-T20112	8	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1	SCREW
									
165-62545	25	12	54	66	8,5	32	13	32	811-102028
165-62547	25	16	54	66	8,5	32	13	32	811-102027
165-62549	25	20	54	66	8,5	32	13	32	811-102027
165-63347	32	16	64	76	8,5	42	13	39	-
165-63349	32	20	64	76	8,5	42	13	39	-
165-63350	32	25	64	76	8,5	42	13	39	-

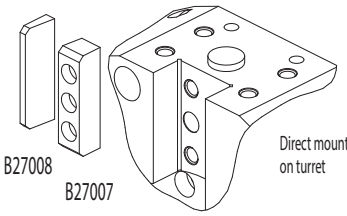


DMG MORI

CL 200/203
SL 20/25
SL 200/203/204/250
253/254 (MC, SMD) - 2500Y
ZL/DL 200/250 (MC)
DURATURN 2030
DURATURN 2050
DURATURN 2550

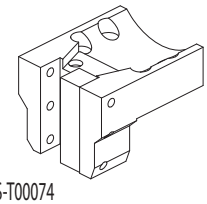
GOODWAY

GS 200/260/280
GA 2000/2600
GA 2800/3000
GA 3300/3600



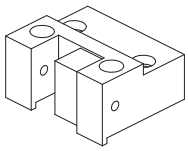
B27008
B27007

Direct mounting on turret



KMS-T00074

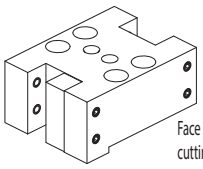
Face and O.D. cutting holder
Also for machines CLB2000B-MT2000 ZT2500-DURATURN2550



KMS-T00174

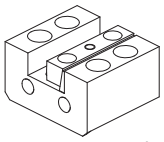
Face and O.D. cutting holder

Qualified tool 25x25 mm



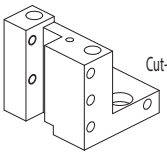
KMS-T00158

Face and O.D. cutting holder



KMS-T00068

Face and I.D. cutting holder
Svitable also for machines CLB2000B-MT2000 ZT2500-DURATURN2550



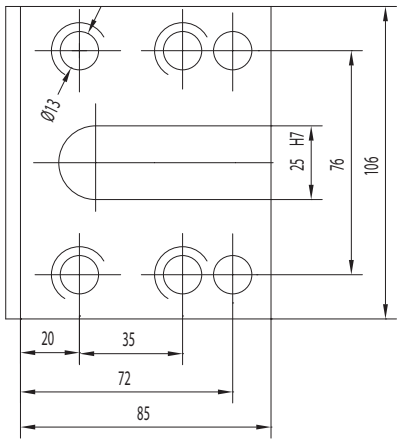
KMS-T00156

Cut-off holder

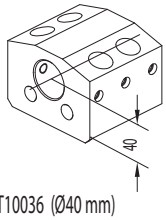
Svitable also for machines CLB2000B-MT2000 ZT2500-DURATURN2550

Cut-off tool 25x25mm

CONNECTION

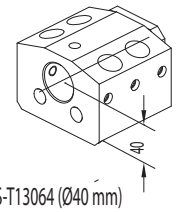


ACCESSORIES



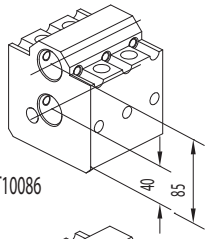
Boring bar holder

KMS-T10036 (Ø40 mm)
KMS-T10044 (Ø50 mm)



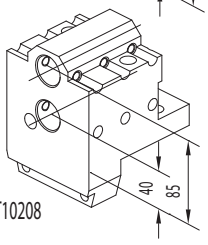
Combi toolholder for boring bar and insertdril with internal coolant

KMS-T13064 (Ø40 mm)
128-22540 (Ø50 mm)



Boring bar holder
Ø32 mm

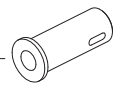
KMS-T10086



Boring bar holder
Ø32 mm

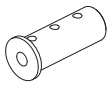
KMS-T10208

D40



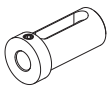
Drill socket

KMS-T22042 <MT3>
KMS-T22046 <MT2>



Boring bar sleeve

KMS-T20098 (Ø32 mm)
KMS-T20096 (Ø25 mm)
KMS-T20094 (Ø20 mm)
KMS-T20092 (Ø16 mm)
KMS-T20090 (Ø12 mm)
KMS-T20088 (Ø10 mm)
KMS-T20086 (Ø8 mm)



Boring bar sleeve

165-64241 (Ø16 mm)
165-64243 (Ø20 mm)
165-64244 (Ø25 mm)
165-64245 (Ø32 mm)

Boring bar sleeve

KMS-T20122 (Ø25 mm)
KMS-T20120 (Ø20 mm)
KMS-T20118 (Ø16 mm)
KMS-T20116 (Ø12 mm)
KMS-T20114 (Ø10 mm)
KMS-T20112 (Ø8 mm)

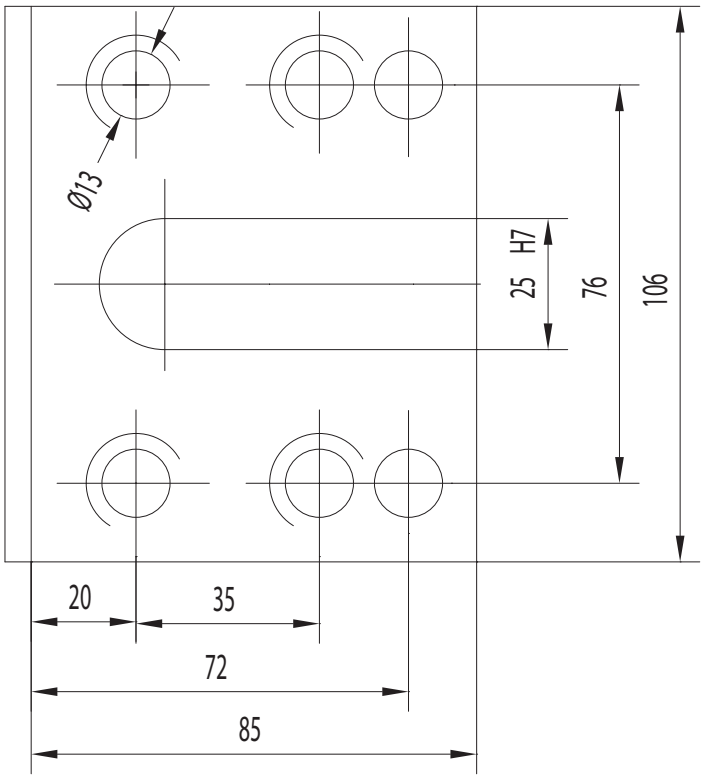
Boring bar sleeve

165-63347 (Ø16 mm)
165-63349 (Ø20 mm)
165-63350 (Ø25 mm)

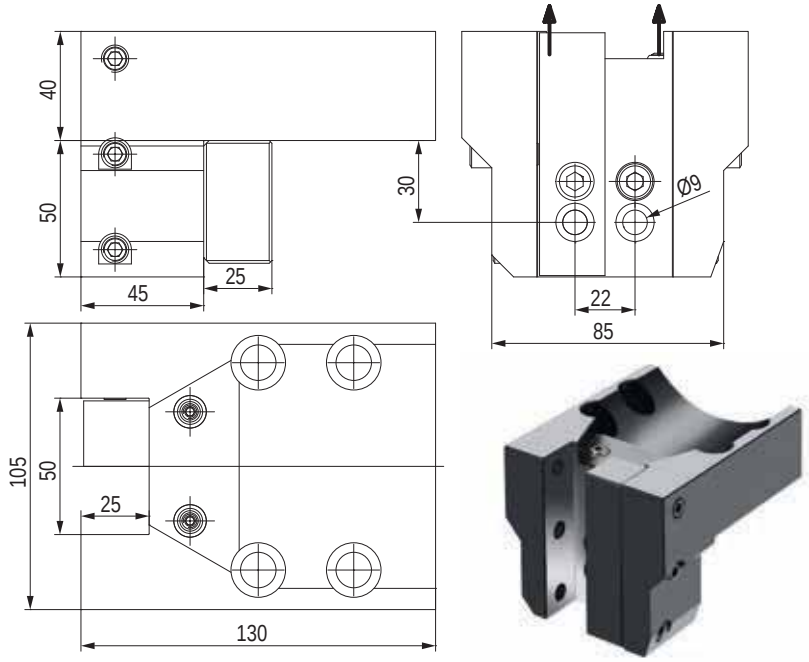
D50

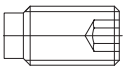
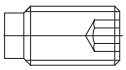
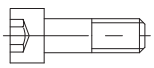
165-65017 (Ø25 mm)
165-65018 (Ø32 mm)
165-65019 (Ø40 mm)

CONNECTION

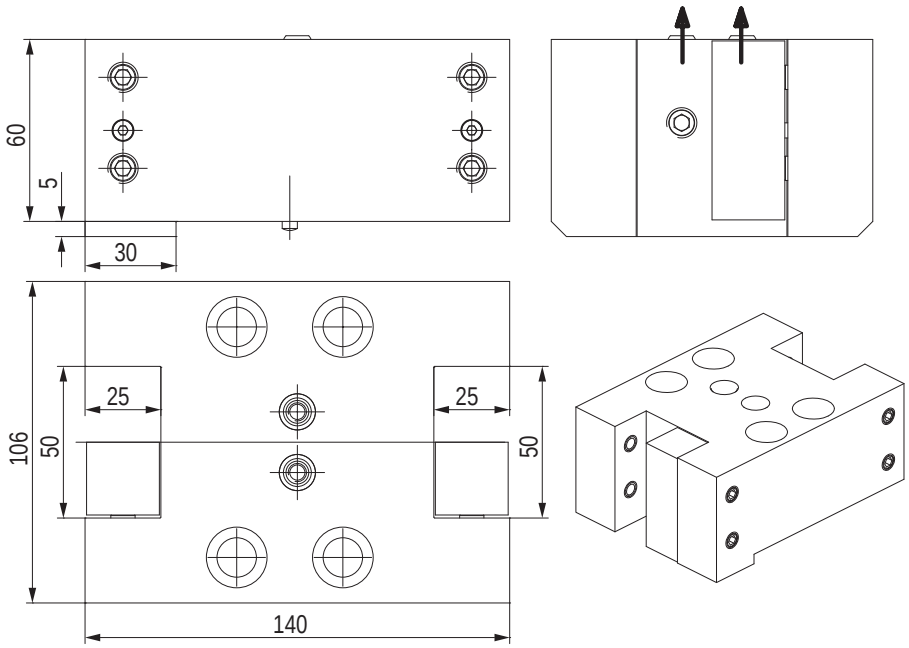


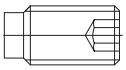
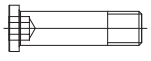
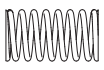
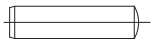
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPINGSCREW 1 (M10X25)	CLAMPING SCREW 2 (M10X16)	CLAMPING PLATE	COOLANT NOZZLE	SPACER	SCREW FOR SPACER
						
KMS-T00074	811-104030	811-104028	832-002117	833-001110	832-002132	811-101041

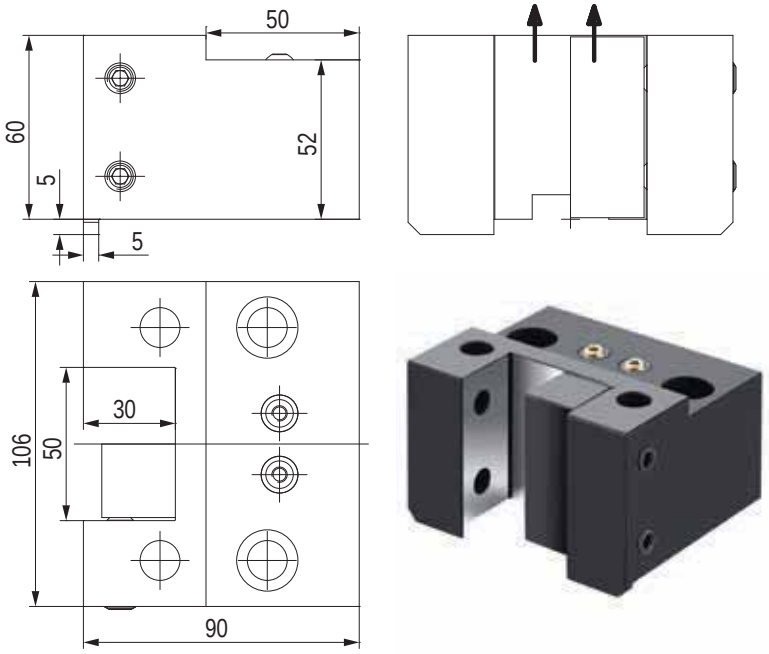
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

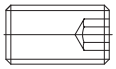


CODE N.	CLAMPING SCREW	CLAMPING PLATE	SCREW FOR CLAMPING PLATE	SPRING FOR CLAMPING PLATE	COOLANT NOZZLE	PIN
						
KMS-T00158	811-104030	832-002095	811-302004	824-101010	833-001110	815-220008

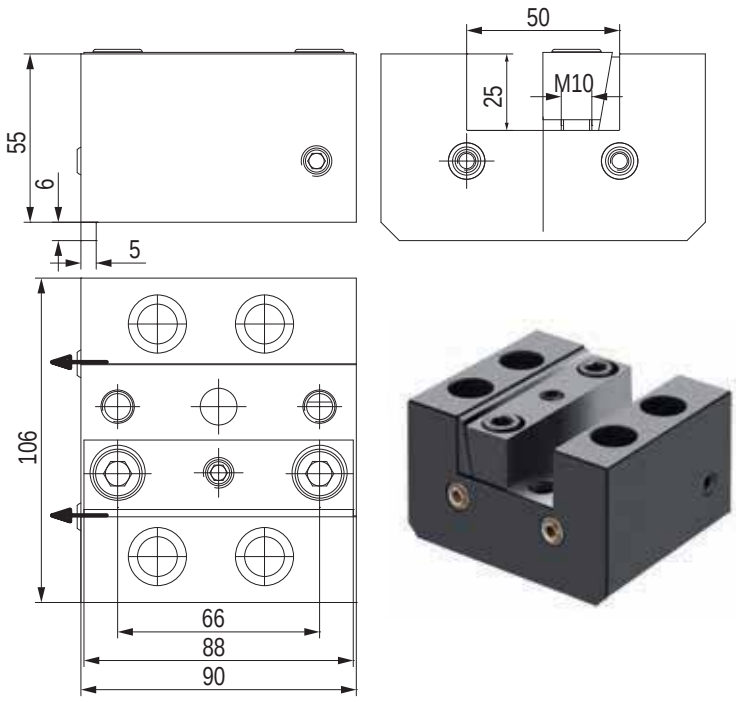
12

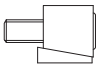
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



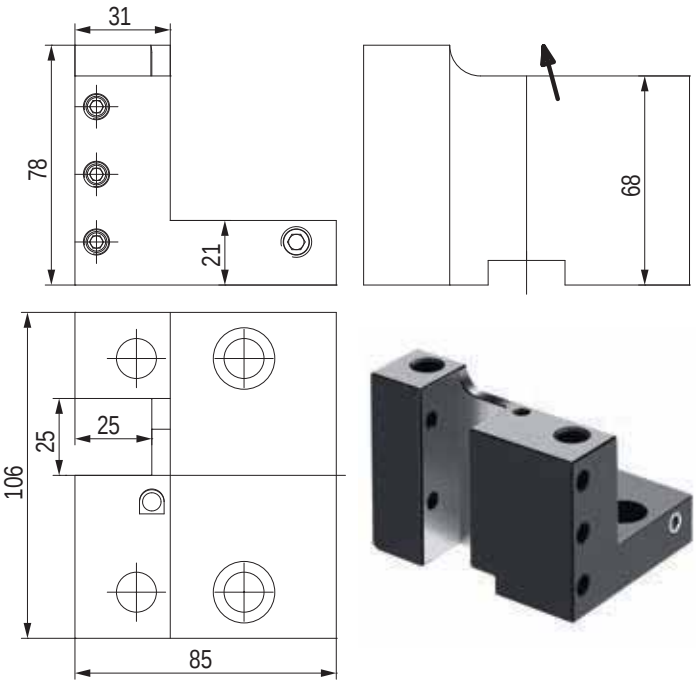
CODE N.	CLAMPING SCREW	CLAMPING PLATE	COOLANT NOZZLE
			
KMS-T00174	811-102040	832-002095	833-001080

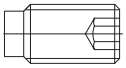
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



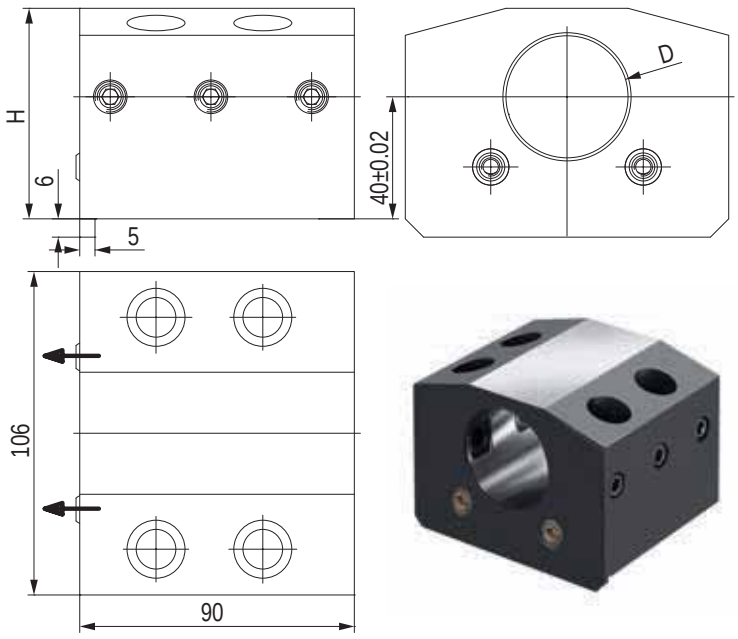
CODE N.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00068	832-007500	833-001110

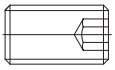
PORTALAMA - CUT-OFF TOOLHOLDERS



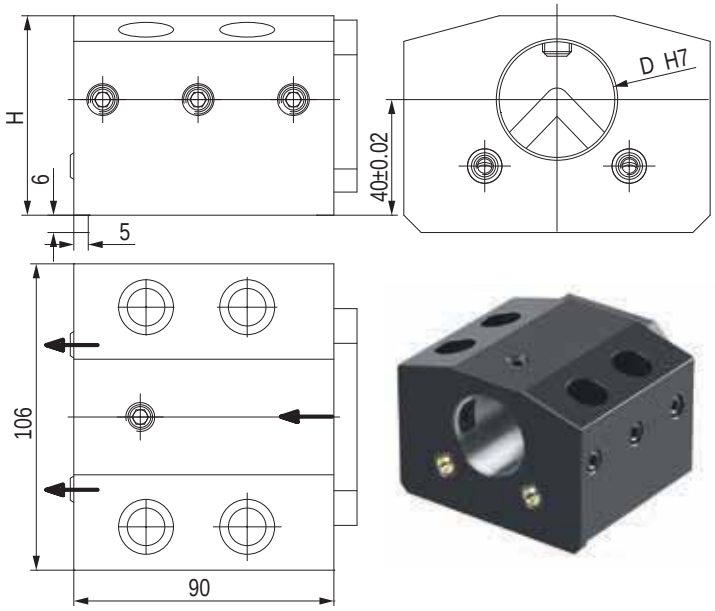
CODE N.	CLAMPING SCREW
	
KMS-T00156	811-104023

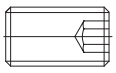
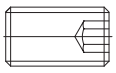
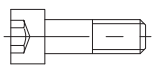
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



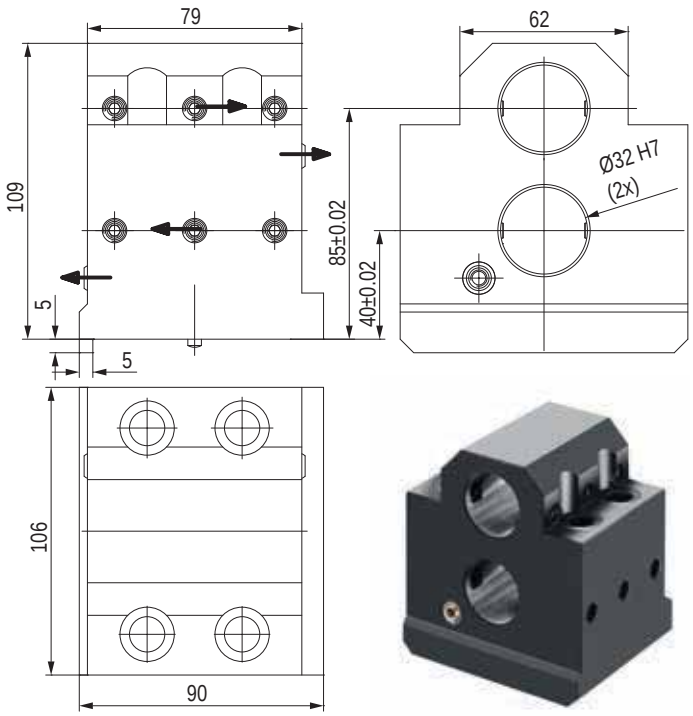
CODE N.	D	H	CLAMPING SCREW	COOLANT NOZZLE
				
KMS-T10036	40	69	811-102039	833-001110
KMS-T10044	50	74	811-102038	833-001110

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



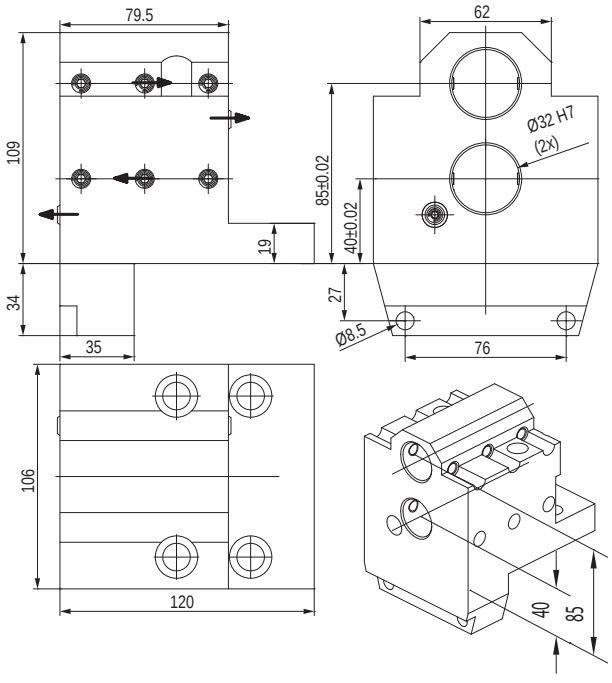
CODE N.	D	H	CLAMPINGSCREW 1 (D40 M10X25) (D50 M10X20)	CLAMPING SCREW 2 (M10X14)	COOLANT NOZZLE	COVER	SCREW FOR COVER
							
KMS-T13064	40	69	811-102039	811-102060	833-001110	832-003063	811-101016
128-22540	50	74	811-102038	811-102060	833-001110	832-003321	811-101016

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING



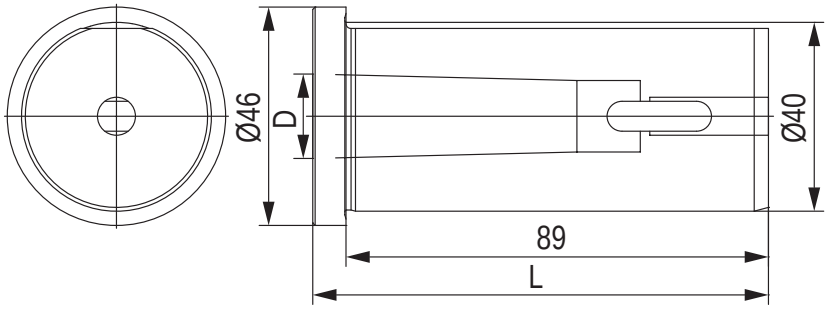
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	PIN
KMS-T10086	811-104021	833-001110	815-210170

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING



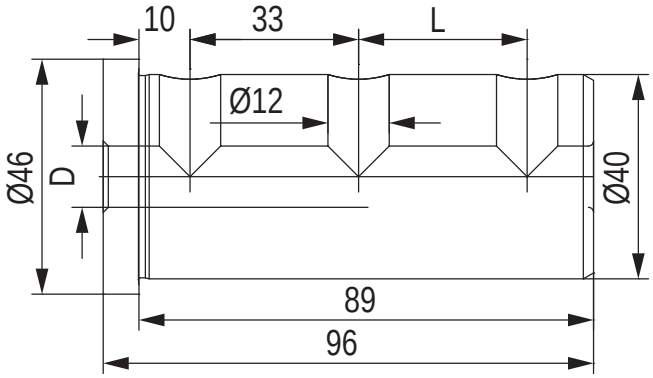
CODE N.	CLAMPING SCREW	COOLANT NOZZLE
KMS-T10208	811-104021	833-001110

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



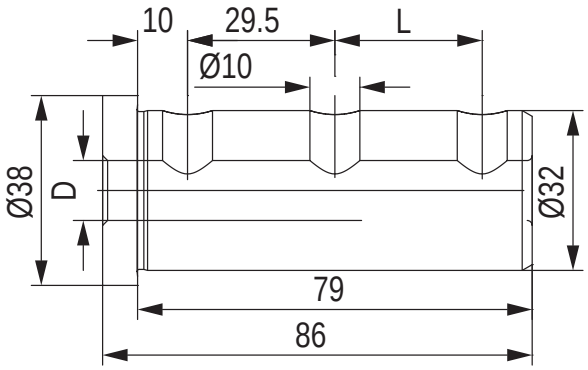
CODE N.	MORSE	D	H
KMS-T22042	3	23.825	108
KMS-T22046	2	17.78	96

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING



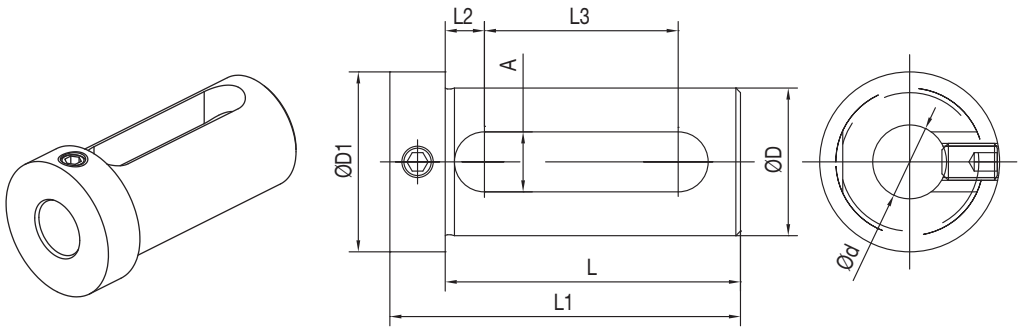
CODE N.	D	L
KMS-T20098	32	33
KMS-T20096	25	33
KMS-T20094	20	33
KMS-T20092	16	33
KMS-T20090	12	-
KMS-T20088	10	-
KMS-T20086	8	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	L
KMS-T20122	25	29.5
KMS-T20120	20	29.5
KMS-T20118	16	29.5
KMS-T20116	12	29.5
KMS-T20114	10	-
KMS-T20112	8	-

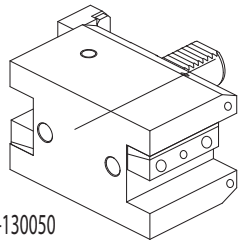
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-63347	32	16	65	77	8	42	13	39
165-63349	32	20	65	77	8	42	13	39
165-63350	32	25	65	77	8	42	13	39
165-64241	40	16	75	89	9	51	14	48
165-64243	40	20	75	89	9	51	14	48
165-64244	40	25	75	89	9	51	14	48
165-64245	40	32	75	89	9	51	14	48
165-65017	50	25	85	99	9	61	14	60
165-65018	50	32	85	99	9	61	14	60
165-65019	50	40	85	99	9	61	14	60

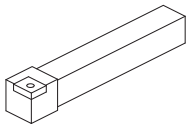
OKUMA (VDI30)

LT10M
LT200M
LB10

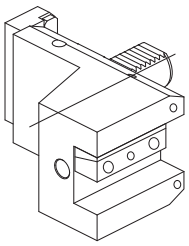


112-130050

Face and I.D.
cutting holder



Qualified tool
20x20 mm

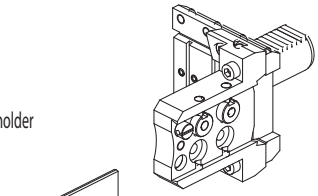


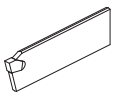
112-330080

Face and I.D.
cutting holder

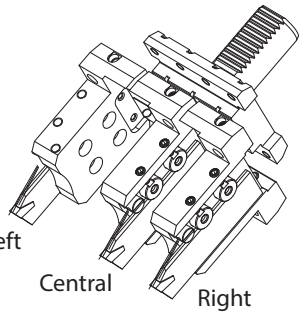
Cut-off holder

26 mm

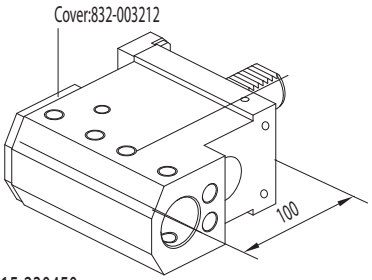




117-53001



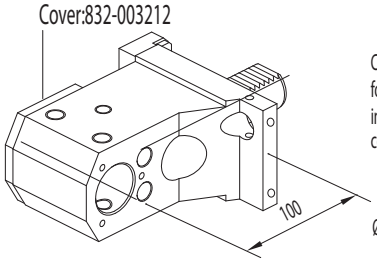
Left
Central
Right



115-230450

Combi toolholder
for boring bar and
insertdril with internal
coolant

Ø32 mm

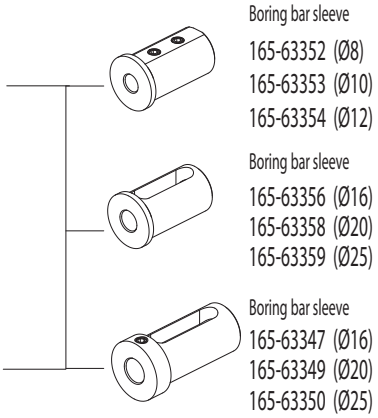


115-230460

Combi toolholder
for boring bar and
insertdril with internal
coolant

Ø32 mm

ACCESSORIES

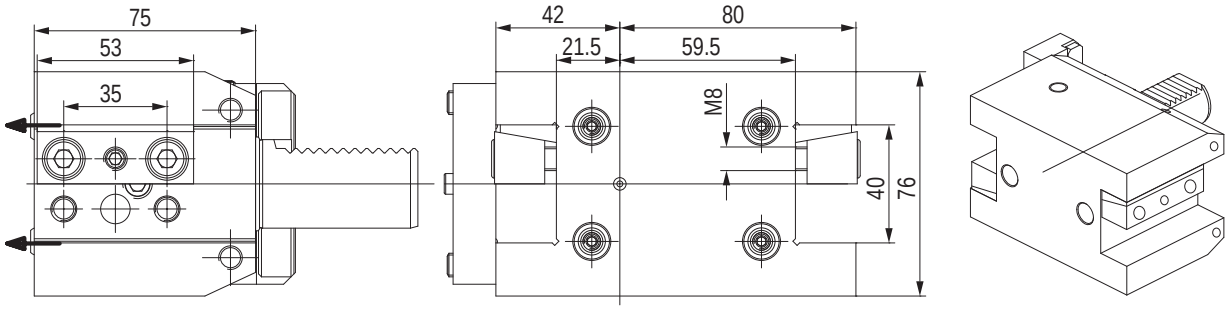


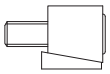
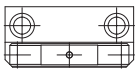
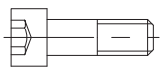
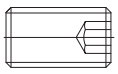
Boring bar sleeve
165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)

Boring bar sleeve
165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)

Boring bar sleeve
165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

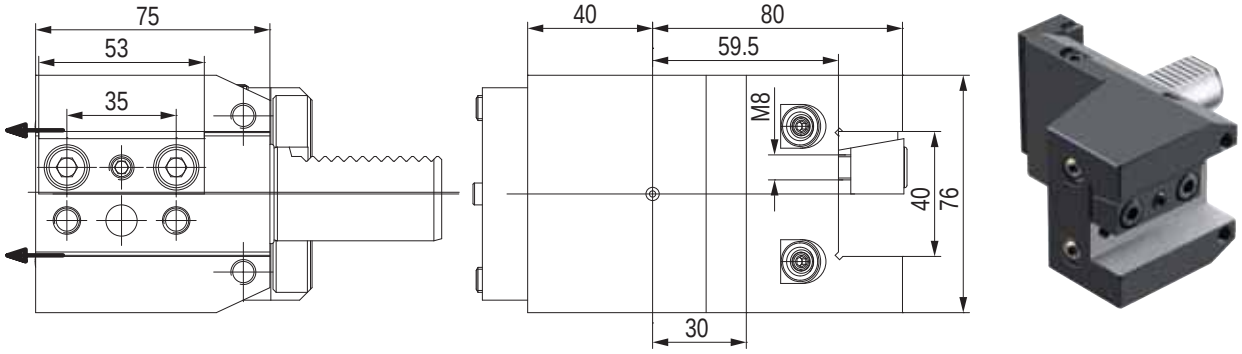


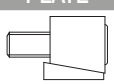
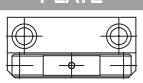
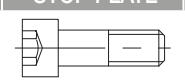
CODE N.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	STOP SCREW	O RING FOR VDI30
						
112-130050	832-007190	833-001110	832-018380	811-101038	811-102020	823-101017

12

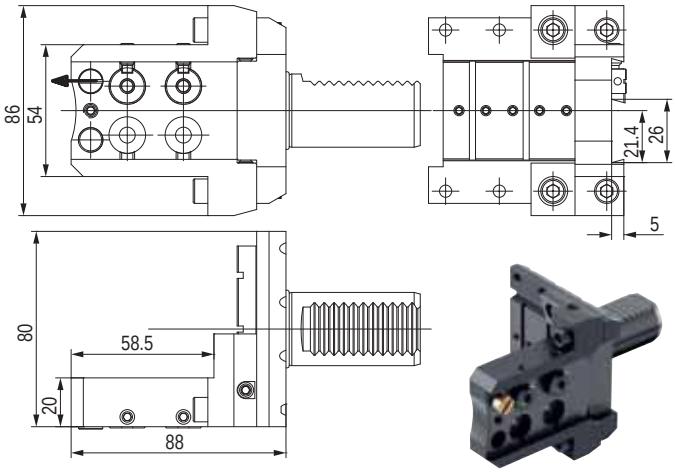
KINTEK

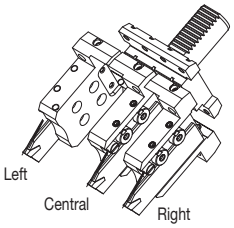
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	STOP SCREW	O RING FOR VDI30
						
112-330080	832-007190	833-001110	832-018380	811-101038	811-102020	823-101017

PORTALAMA - CUT-OFF HOLDERS

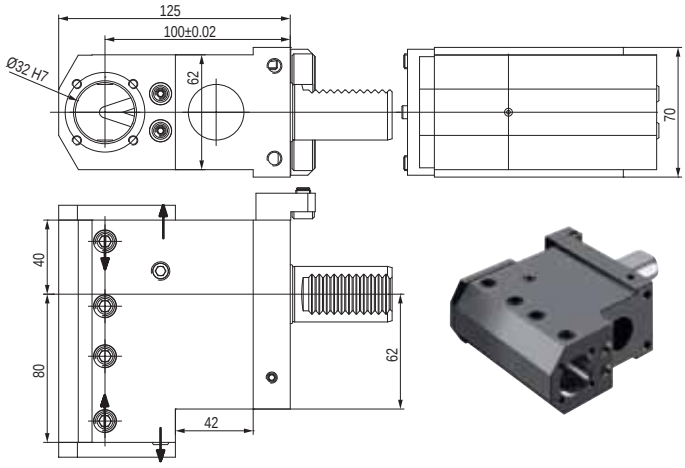




CODE N.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR VDI30
117-53001	833-001490	823-101058	823-101061	823-101017

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
117-53001	832-014448	811-108037	832-014447	824-300012	811-101027	811-104013

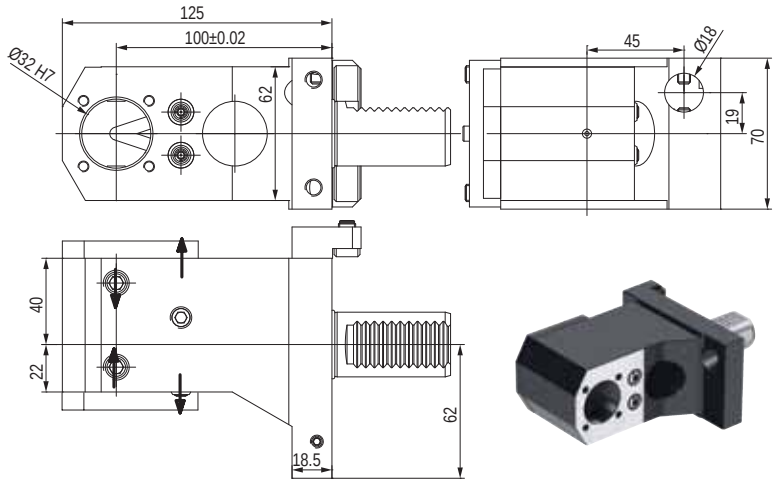
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

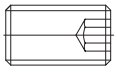
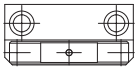
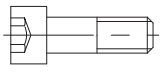
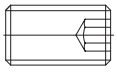


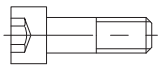
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	STOP SCREW
115-230450	811-102043	833-001110	832-018380	811-101038	811-102020

CODE N.	COVER	SCREW FOR COVER	O RING FOR VDI30
115-230450	832-003212	811-101016	823-101017

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

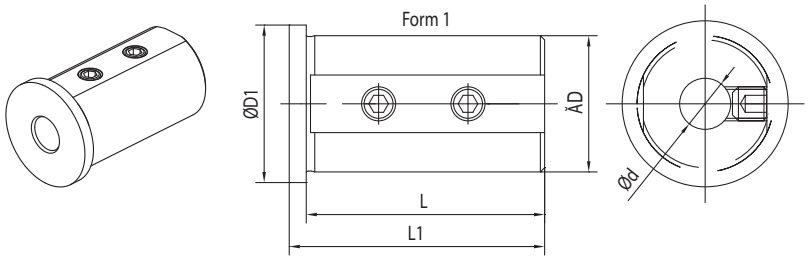


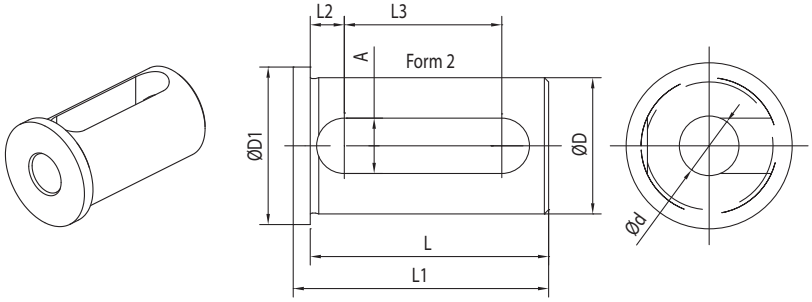
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	STOP SCREW
					
115-230460	811-102043	833-001110	832-018380	811-101038	811-102020

CODE N.	COVER	SCREW FOR COVER	O RING FOR VDI30
			
115-230460	832-003212	811-101016	823-101017

12

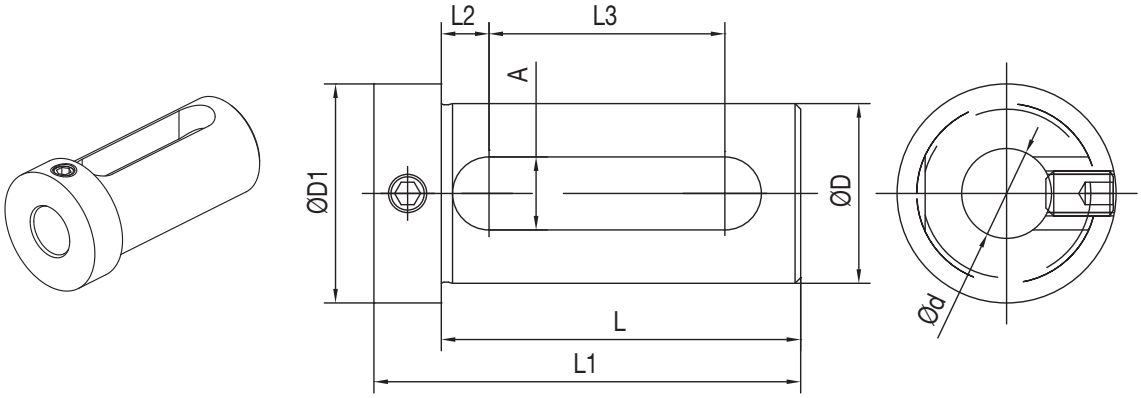
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER





CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37

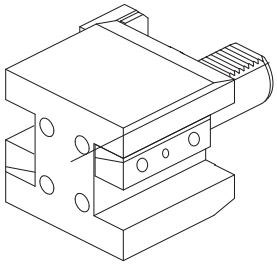
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

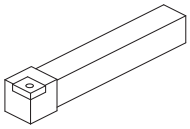
OKUMA (VDI40)

LT15M
LT300M
MT250
LB300
LB300M
LV300

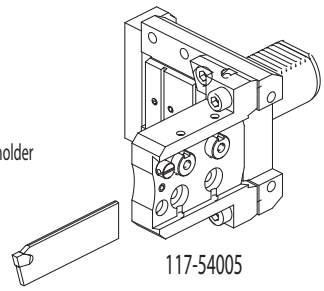


112-14009

Face and O.D. cutting holder



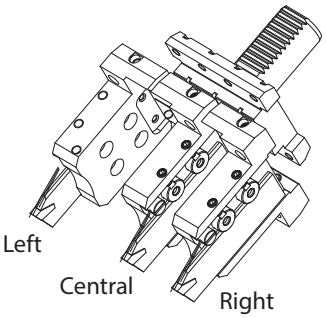
Qualified tool
25x25 mm



Cut-off holder

32 mm

117-54005



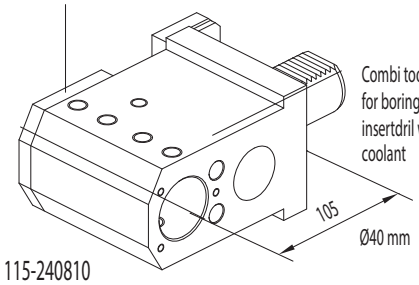
Left

Central

Right

12

KINTEK



Cover:832-003104

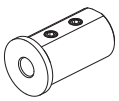
Combi toolholder for boring bar and insertdril with internal coolant

105

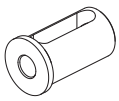
Ø40 mm

115-240810

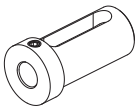
ACCESSORIES



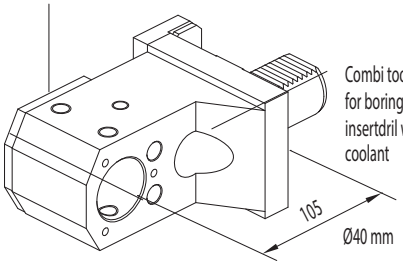
Boring bar sleeve
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



Boring bar sleeve
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



Boring bar sleeve
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)



Cover:832-003104

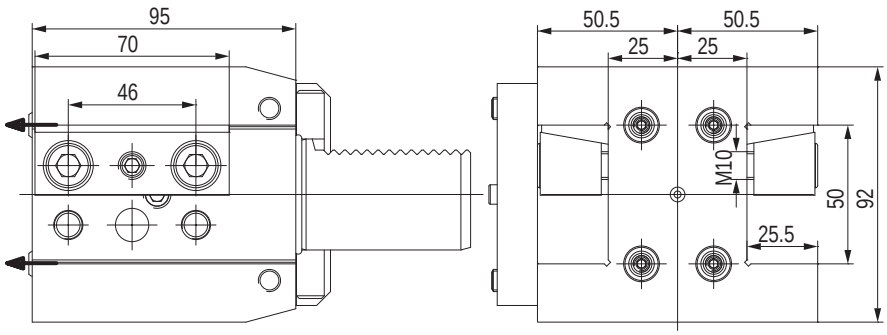
Combi toolholder for boring bar and insertdril with internal coolant

105

Ø40 mm

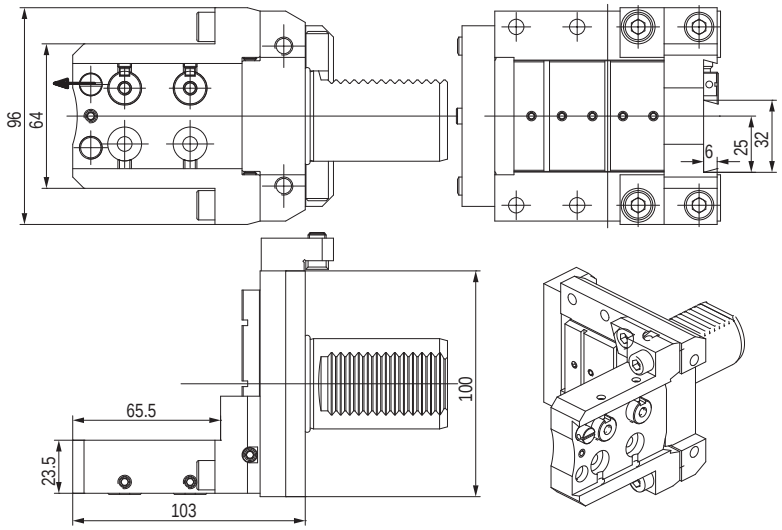
115-240700

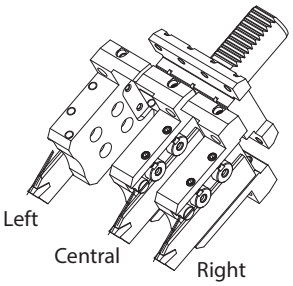
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	O RING FOR VDI40
112-14009	832-007010	833-001110	832-020730	811-101039	823-101036

PORTALAMA - CUT-OFF HOLDERS

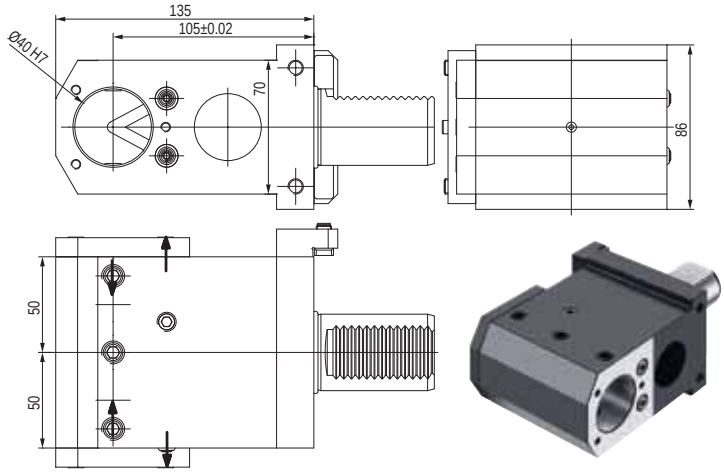


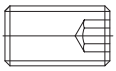
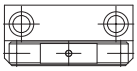
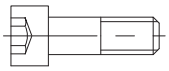


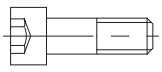
CODE N.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR VDI40	STOP PLATE	SCREW FOR STOP PLATE
117-54005	833-001490	823-101058	823-101061	823-101036	832-020730	811-101039

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
117-54005	832-014449	811-108037	832-014450	824-300012	811-101028	811-104013

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

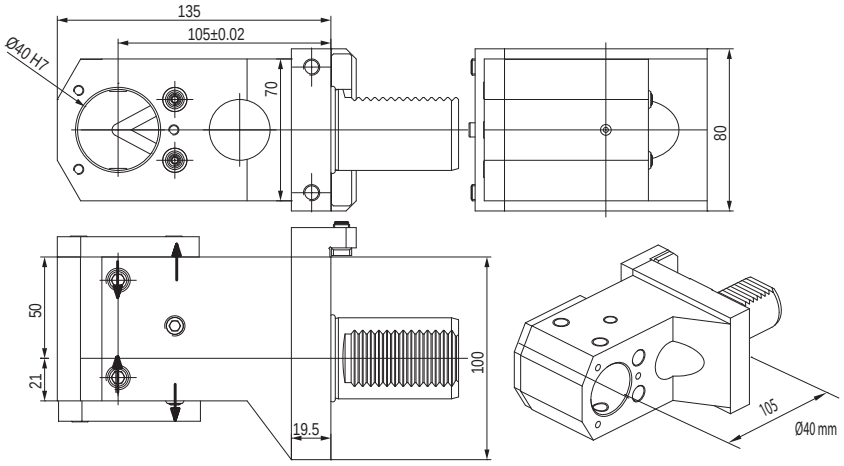


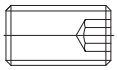
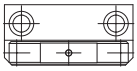
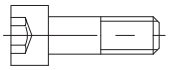
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE
				
115-240810	811-102043	833-001110	832-020730	811-101039

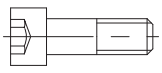
CODE N.	COVER	SCREW FOR COVER	O RING FOR VDI40
			
115-240810	832-003104	811-101017	823-101036

12

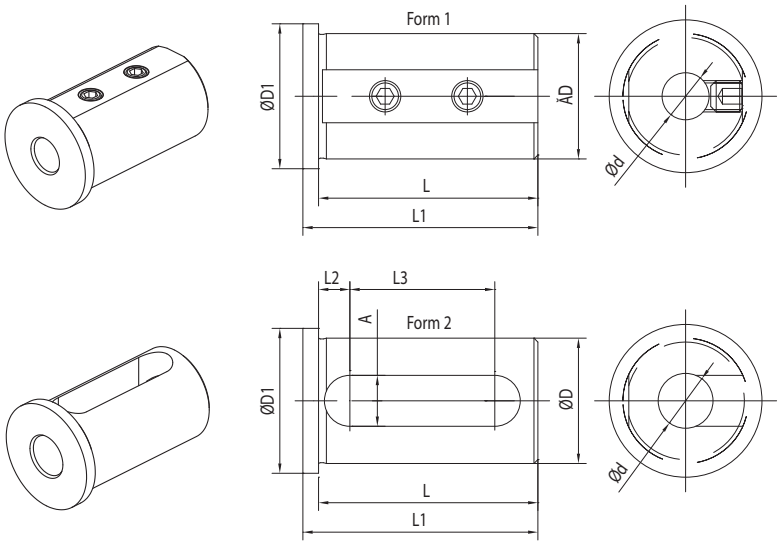
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	CLAMPING SCREW	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE
				
115-240700	811-102043	833-001110	832-020730	811-101039

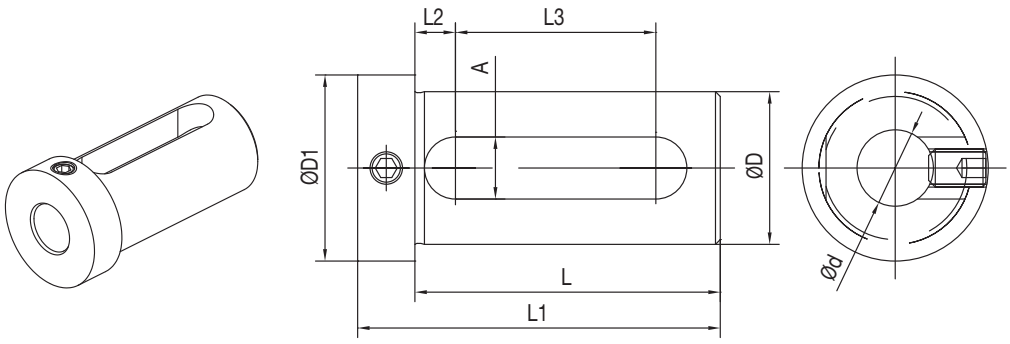
CODE N.	COVER	SCREW FOR COVER	O RING FOR VDI40
			
115-240700	832-003104	811-101017	823-101036

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

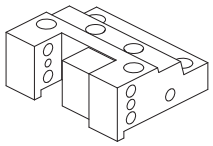
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

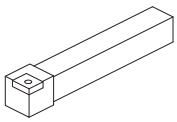
OKUMA LB15 LB25 LB15II LB300

HAAS SL20 - SL30 ST-20 - ST-25 ST-30 - ST-35 DS-30

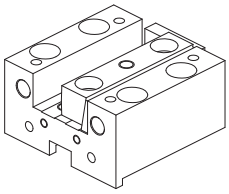


Face and O.D. cutting holder

128-420110

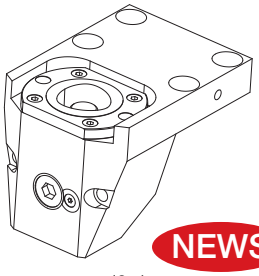


Qualified tool 25x25 mm



Face and I.D. cutting holder

128-32001



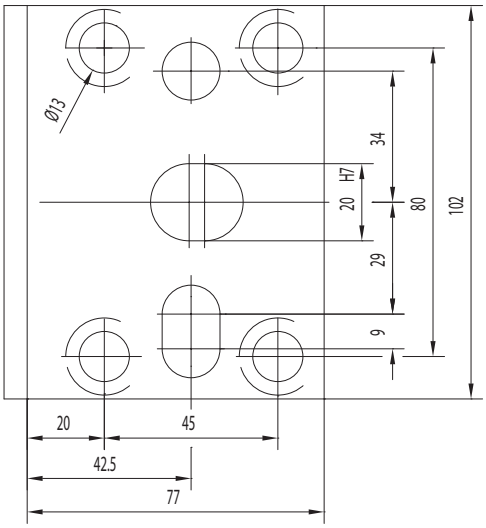
Face and O.D. cutting holder

Poligonal

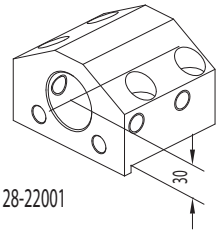
NEWS

128-12072 (C40)
128-12059 (C50)

CONNECTION



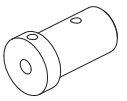
ACCESSORIES



Toolholder for boring bar

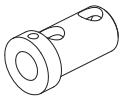
Ø40 mm

128-22001



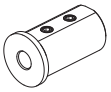
Boring bar sleeve and throw-away drill socket

165-64013 (Ø10)
165-64014 (Ø12)
165-64015 (Ø16)
165-64016 (Ø20)



Boring bar sleeve and throw-away drill socket

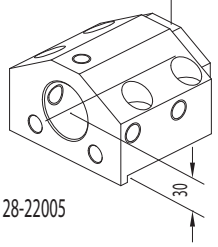
165-64017 (Ø25)
165-64018 (Ø32)



Boring bar sleeve

165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)

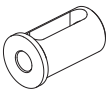
Cover:832-003056



Combi toolholder for boring bar and insertdril with internal coolant

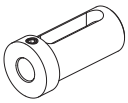
Ø40 mm

128-22005



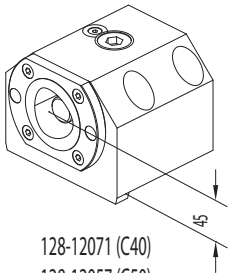
Boring bar sleeve

165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



Boring bar sleeve

165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)



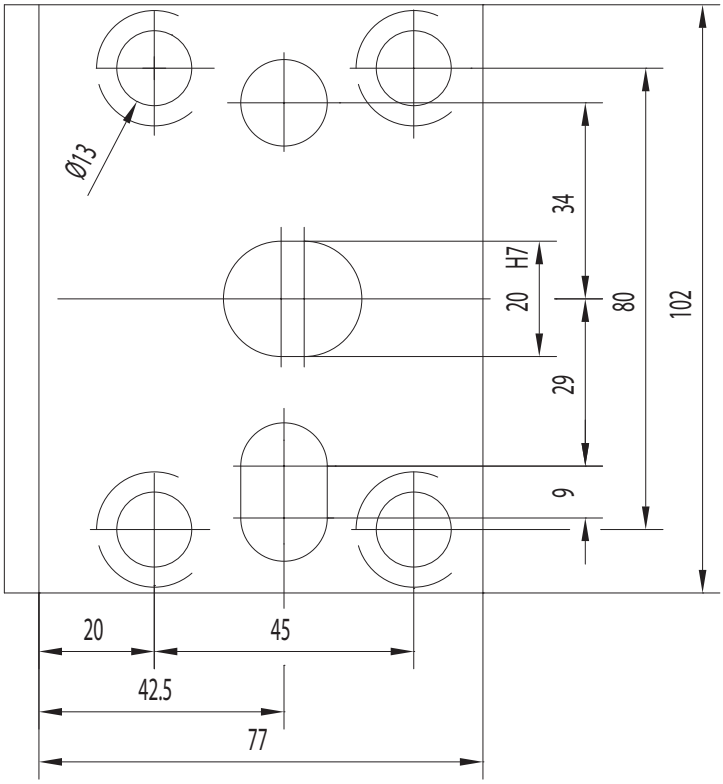
Boring bar holder

Poligonal

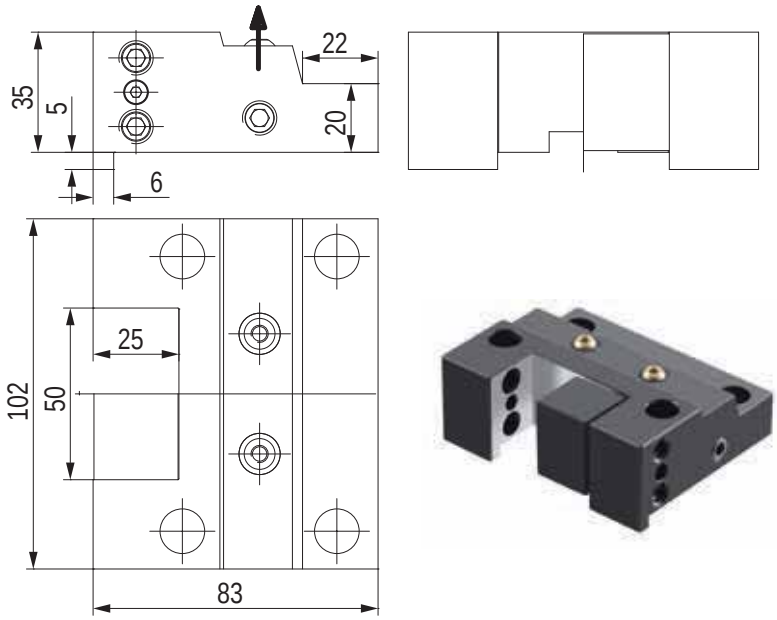
NEWS

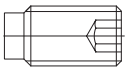
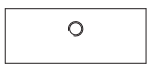
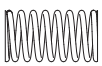
128-12071 (C40)
128-12057 (C50)

CONNECTION

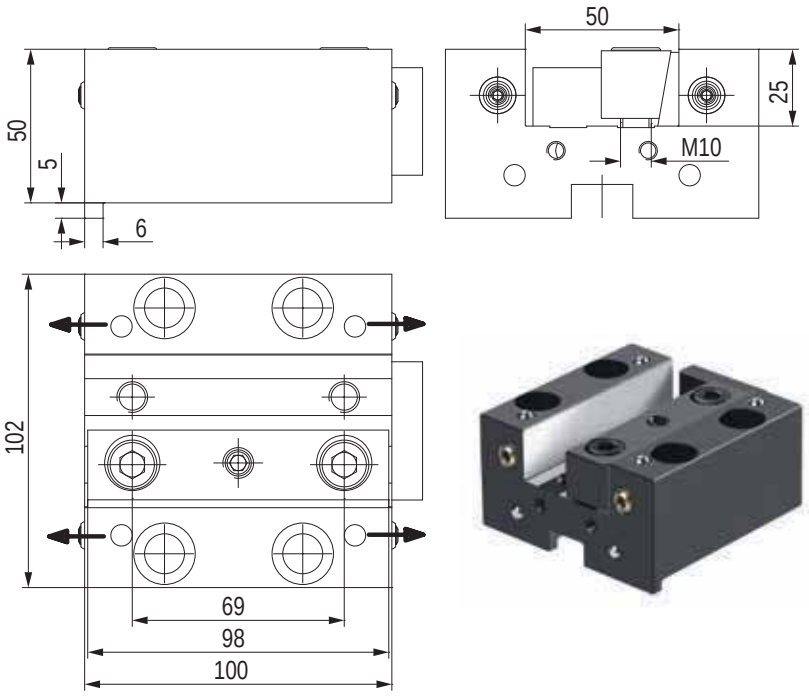


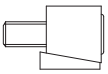
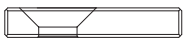
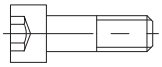
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



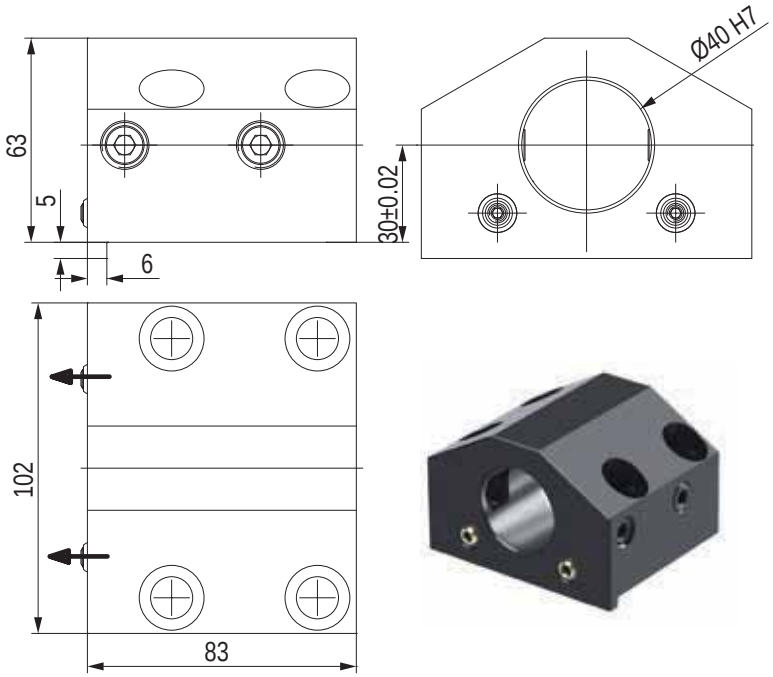
CODE N.	CLAMPING SCREW	CLAMPING PLATE	SCREW FOR CLAMPING PLATE	SPRING FOR CLAMPING PLATE	COOLANT NOZZLE
					
128-420110	811-104030	832-002069	811-302004	824-101010	833-001080

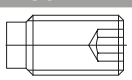
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



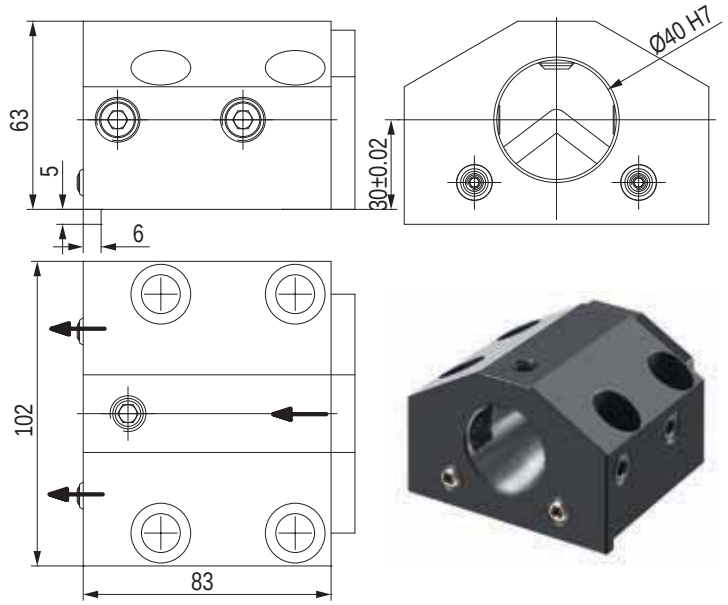
CODE N.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR PLATE
				
128-32001	832-007220	833-001110	832-003045	811-101026

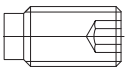
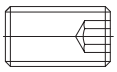
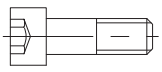
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



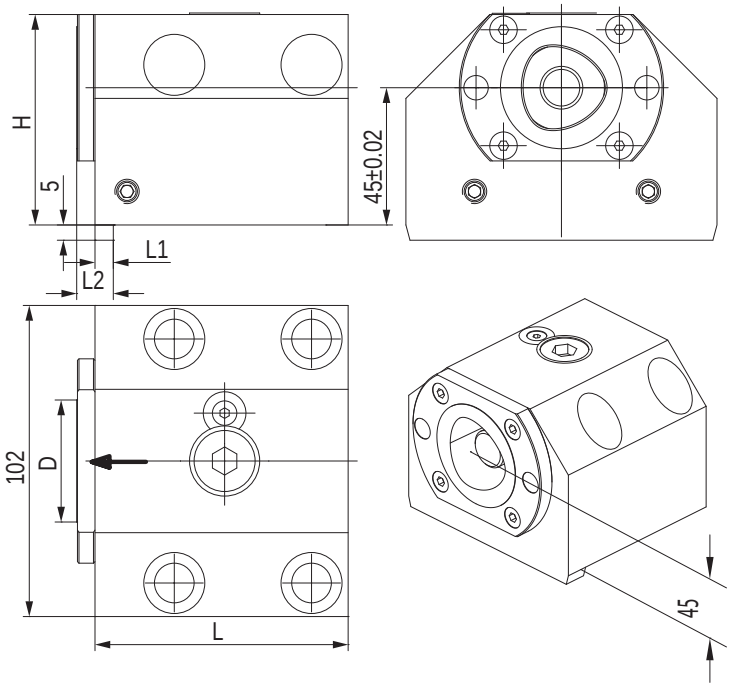
CODE N.	CLAMPING SCREW	COOLANT NOZZLE
		
128-22001	811-104069	833-001110

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



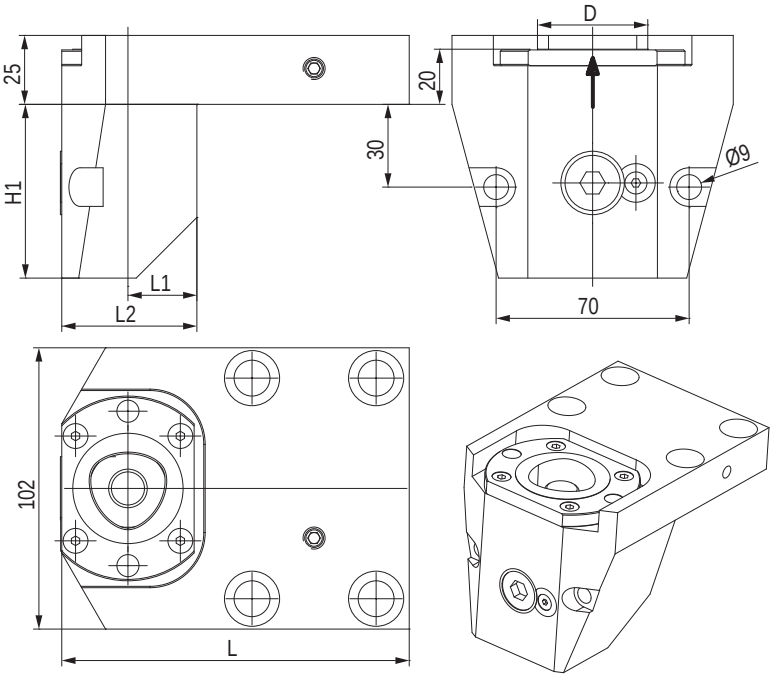
CODE N.	CLAMPING SCREW1	CLAMPING SCREW2	COOLANT NOZZLE	COVER	SCREW FOR COVER
					
128-22005	811-104069	811-102043	833-001110	832-003056	811-101016

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



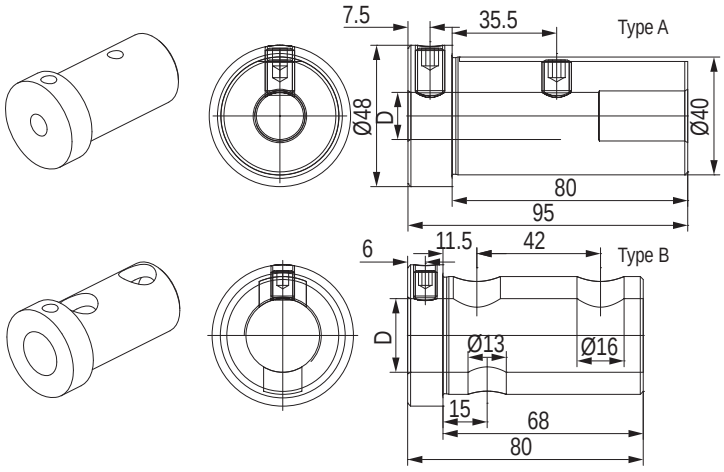
CODE N.	CAPTO	D	H	L	L1	L2	CLAMPING UNIT
128-12071	C40	40	69	83	6	12	CXC40-10
128-12057	C50	50	77	88	11	19	CXC50-10

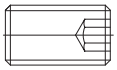
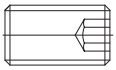
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



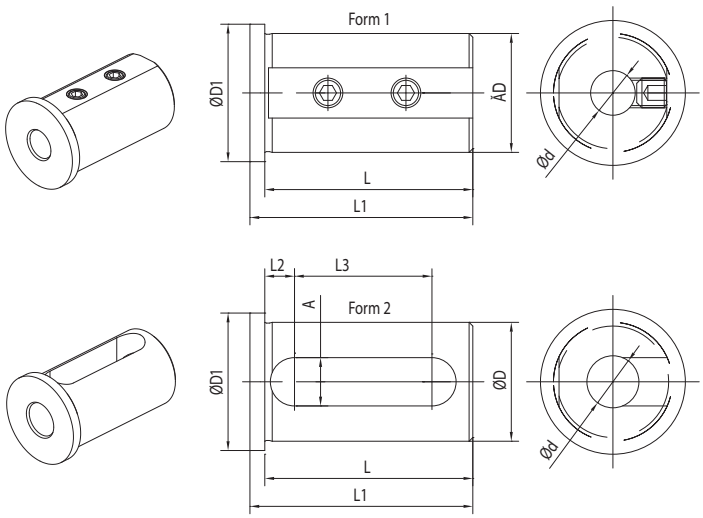
CODE N.	CAPTO	D	H	L	L1	L2	CLAMPING UNIT
128-12072	C40	40	63	126	25	49	CXC40-10
128-12059	C50	50	75	142	33	65	CXC50-10

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



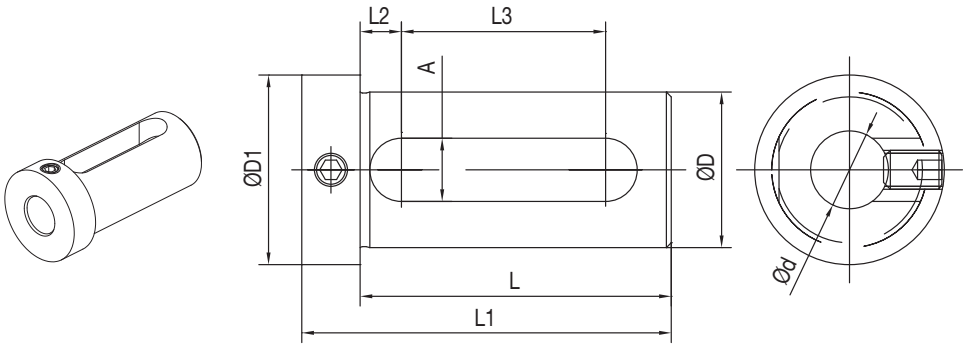
CODE N.	Ø	D	TYPE	SCREW1 (Long)	SCREW2 (Short)
					
165-64013	40	10	A	811-10230	811-10229
165-64014	40	12	A	811-10237	811-10236
165-64015	40	16	A	811-10237	811-10236
165-64016	40	20	A	811-10236	811-10235
165-64017	40	25	B	811-10227	-
165-64018	40	32	B	811-10226	-

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER

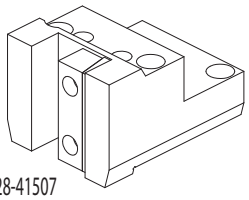


CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

OKUMA (BMT60)

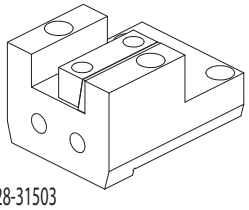
LB2000 EX (M)
LB2500 EX (M)
LB3000 EX (M, MY)
LT2000 EX
LT3000 EX
LB3000 EX (MW, MYW)

LU2000 EX
LU2500 EX
LU3000 EX (M, MW, MY)
GENOS L300 (MY, MW, MYW)



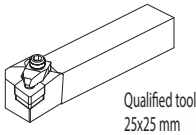
Face and O.D. cutting holder

128-41507



Face and I.D. cutting holder

128-31503



Qualified tool 25x25 mm

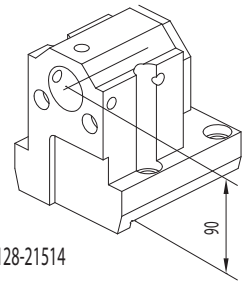
124-06005
124-06006 i.Coolant

124-06007
124-06008 i.Coolant
124-06013 i.Coolant **80 BAR**

FAST-IN

124-06601
124-06602

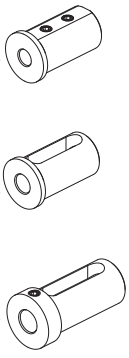
ACCESSORIES



Combi toolholder for boring bar and insertdrill

Ø32 mm

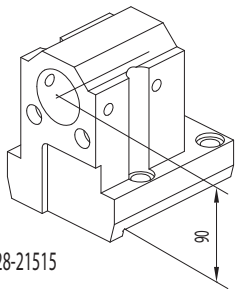
128-21514



Boring bar sleeve
165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)

Boring bar sleeve
165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)

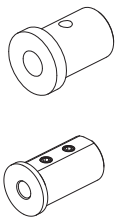
Boring bar sleeve
165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)



Toolholder for boring bar

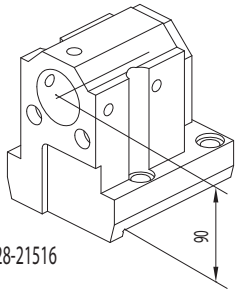
Ø40 mm

128-21515



Throw-away drill socket
165-64205 (Ø25)
165-64206 (Ø32)

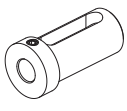
Boring bar sleeve
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



Combi toolholder for boring bar and insertdrill

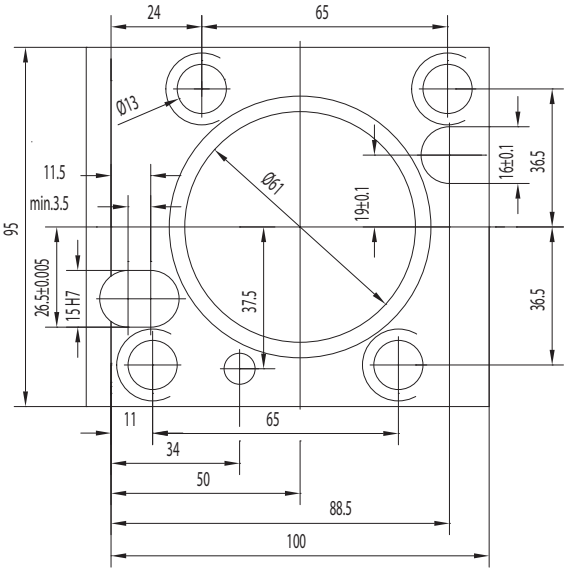
Ø40 mm

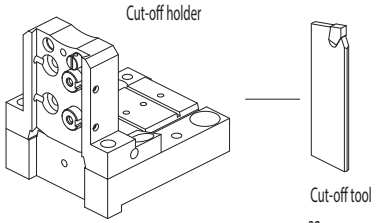
128-21516



Boring bar sleeve
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

CONNECTION

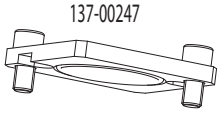




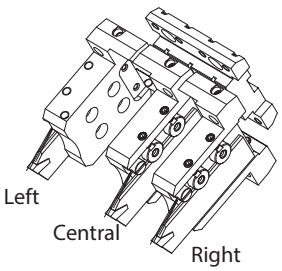
Cut-off holder

128-11535 (h=32 mm)
128-11534 (h=26 mm)

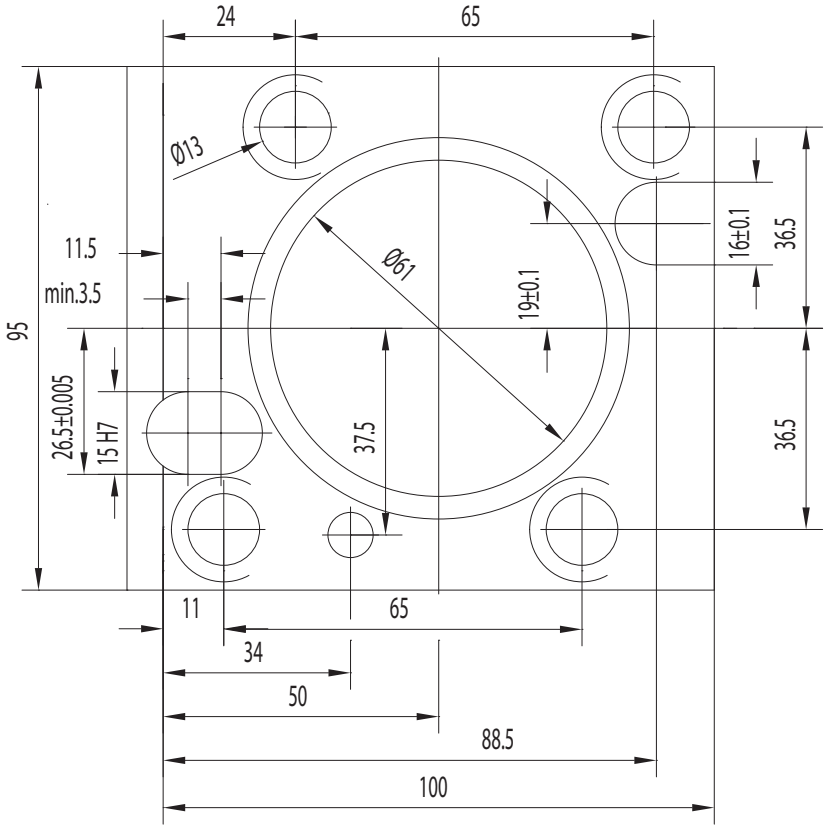
Cut-off tool
32 mm
26 mm



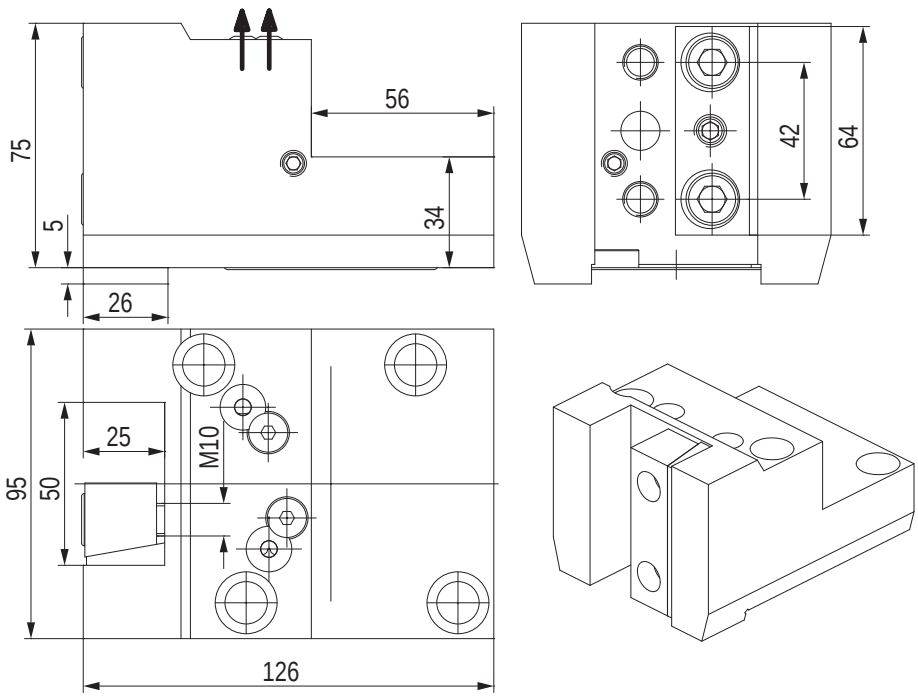
Protection cover
137-00247

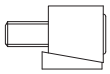
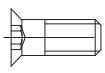


CONNECTION

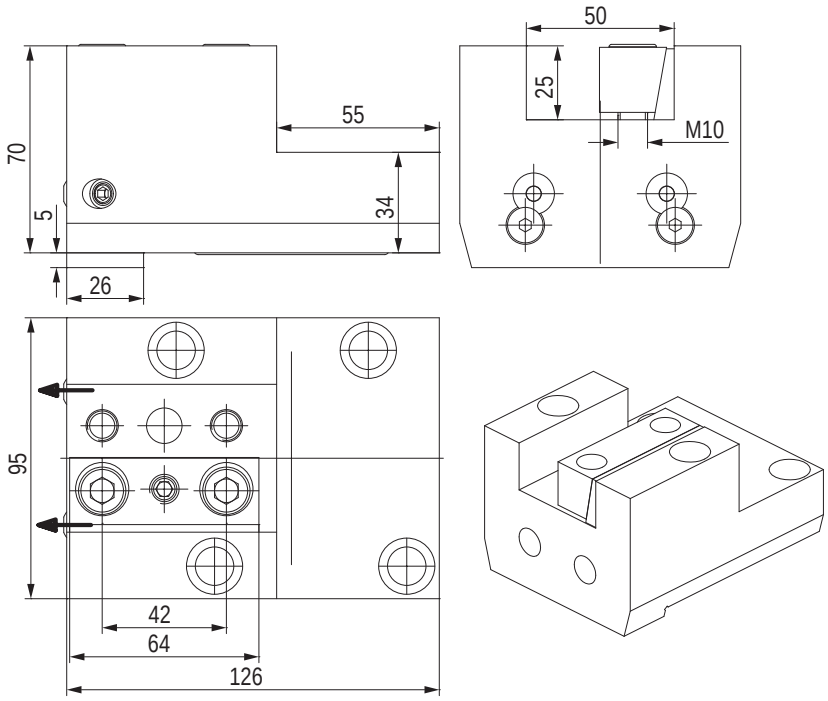


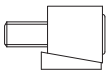
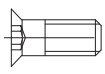
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



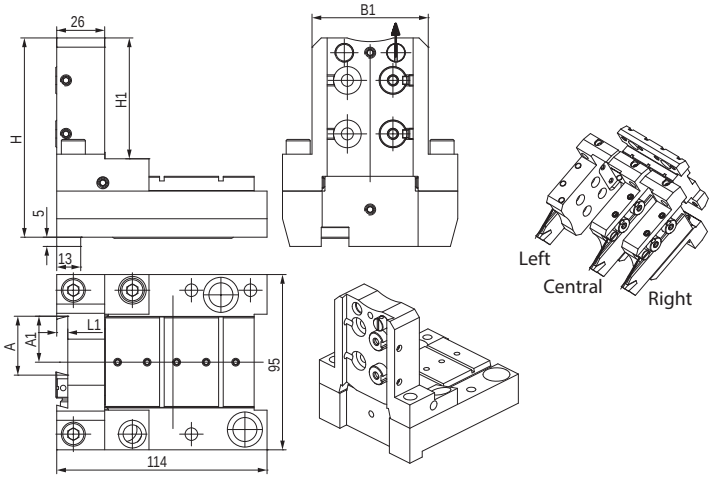
CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
				
128-41507	832-007360	833-001470	811-108018	823-101084

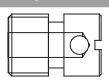
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

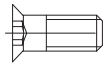
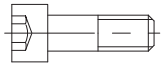
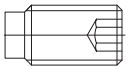


CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
				
128-31503	832-007360	833-001470	811-108018	823-101084

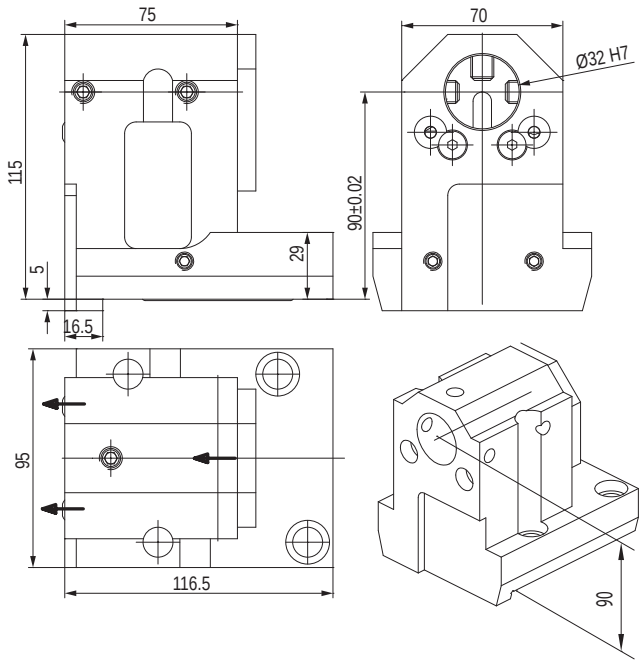
PORTALAMA - CUT-OFF HOLDERS

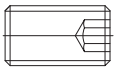
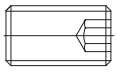
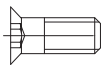
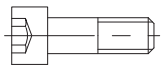


CODE N.	A	A1	L1	B1	H	H1	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	CODE N.
										
128-11534	26	21.4	5	54	101	58.5	833-001490	823-101058	823-101061	823-101084
128-11535	32	25	6	63	108	65.5	833-001490	823-101058	823-101061	823-101084

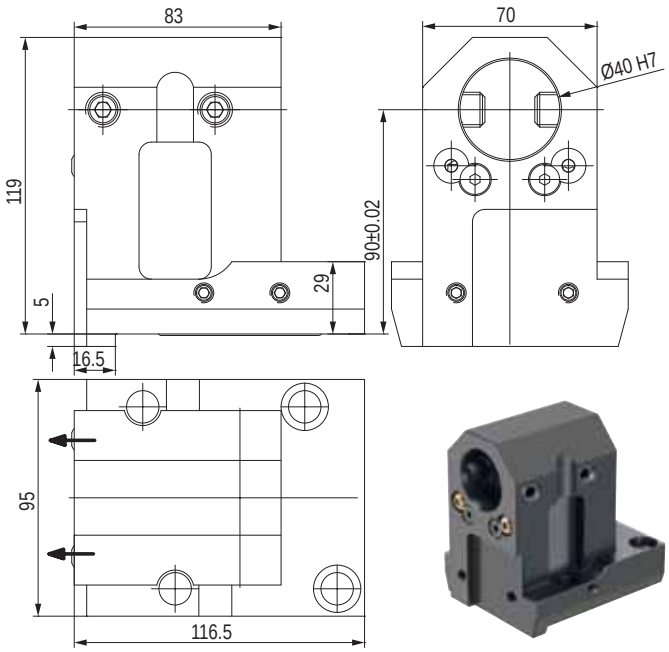
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
128-11534	832-014449	811-108037	832-014447	824-300012	811-101028	811-104013
128-11535	832-014449	811-108037	832-014450	824-300012	811-101028	811-104013

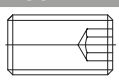
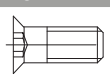
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



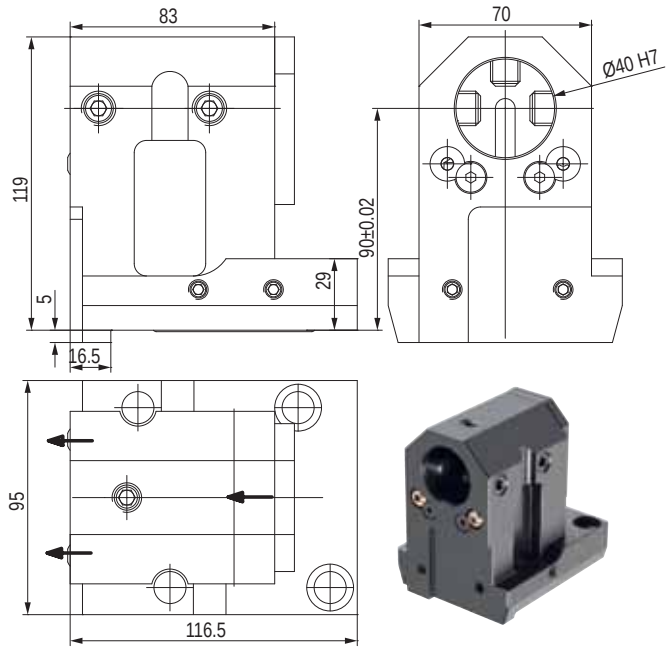
CODE N.	CLAMPING SCREW1 (M10X25)	CLAMPING SCREW2 (M10X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
							
128-21514	811-102039	811-102038	833-001470	811-108018	823-101084	832-003297	811-101016

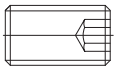
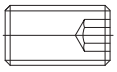
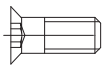
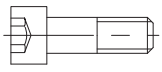
PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



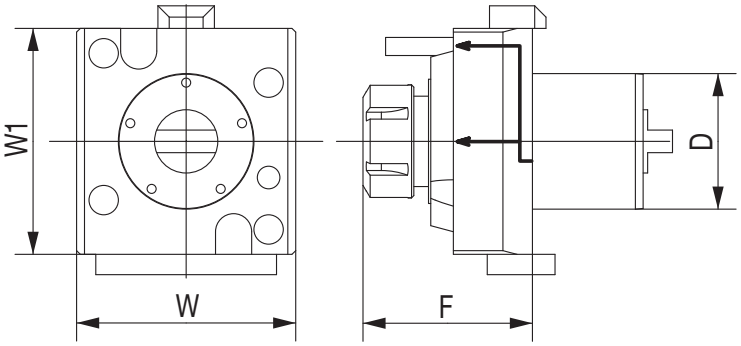
CODE N.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL	O RING
				
128-21515	811-102088	833-001470	811-108018	823-101084

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



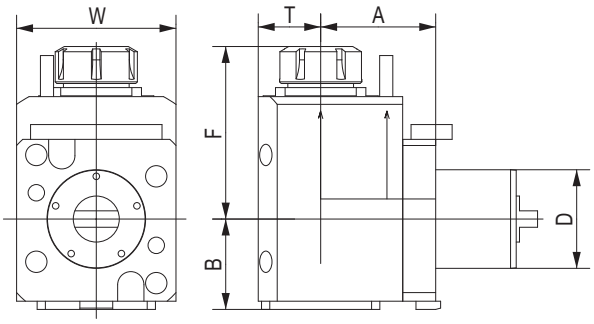
CODE N.	CLAMPING SCREW1 (M14X25)	CLAMPING SCREW2 (M12X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
							
128-21516	811-102088	811-102044	833-001470	811-108018	823-101084	832-003297	811-101016

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



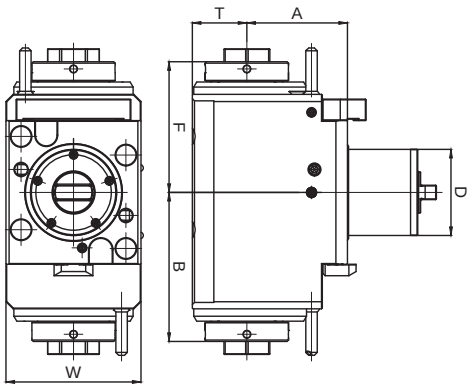
CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06005	60	ER32	no	87	97	100	70	6000	1:1	-
124-06006	60	ER32	yes	87	97	100	70	6000	1:1	20

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



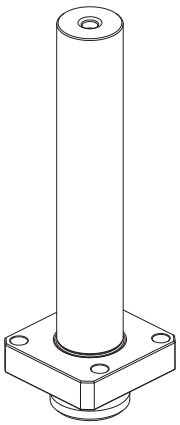
CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06007	60	ER32	no	right/left	70	59	111	38	94	70	6000	1:1	-
124-06008	60	ER32	yes	right/left	70	59	111	38	94	70	6000	1:1	20
124-06013	60	ER32	yes	right/left	70	59	111	38	94	70	6000	1:1	80

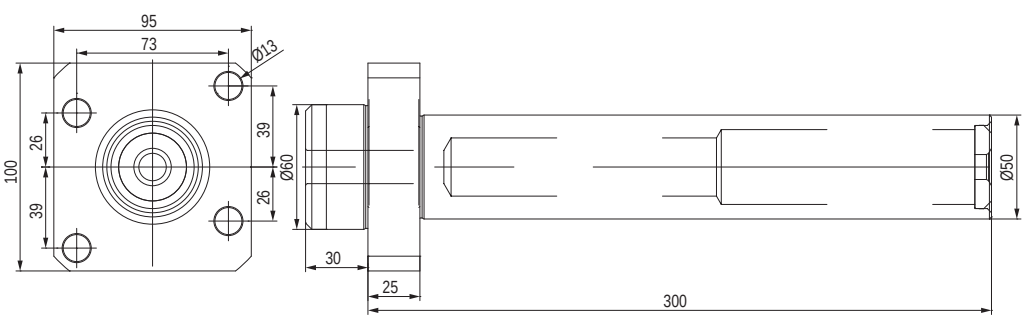
PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
DOUBLE ANGULAR DRILLING AND MILLING HEAD



CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06601	60	32	no	right/left	70	103.8	91	38	94	49	70	6000	1:1	-
124-06602	60	32	yes	right/left	70	103.8	91	38	94	49	70	6000	1:1	20

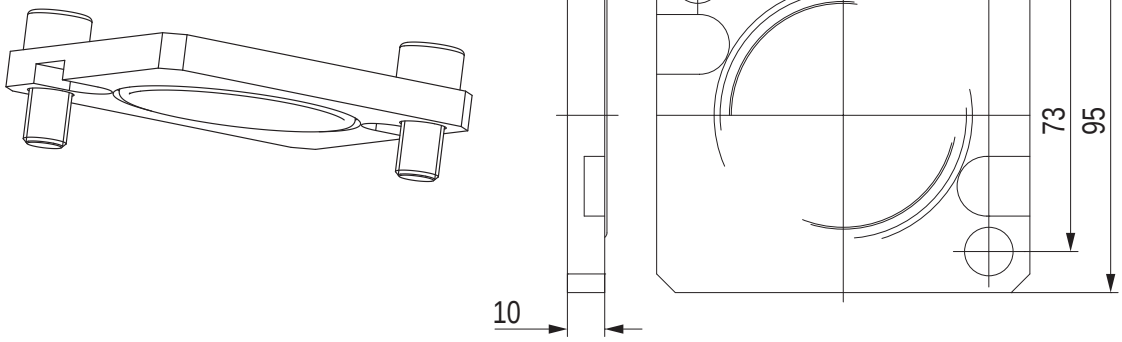
BARRA DI CONTROLLO - CONTROL PIN





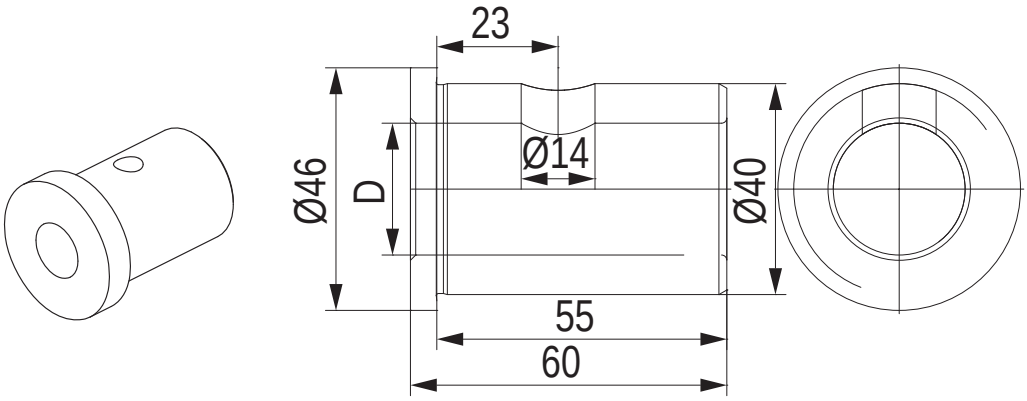
CODE N.
137-00195

TAPPO DI PROTEZIONE - PROTECTION COVER



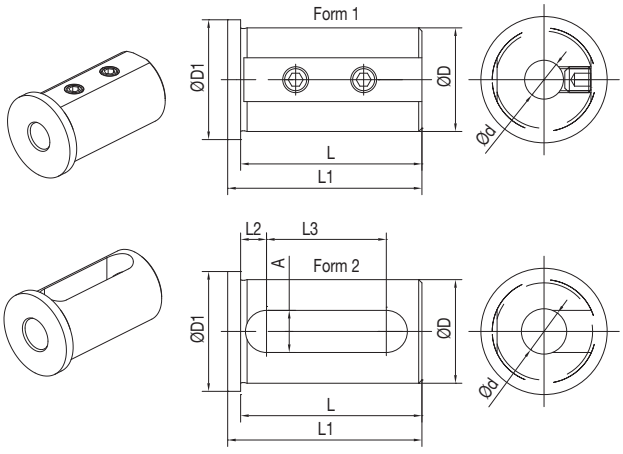
CODE N.	O RING
137-00247	823-101084

BUSSOLA PER PORTABARENI
THROW-AWAY DRILL SOCKET FOR TOOLHOLDER



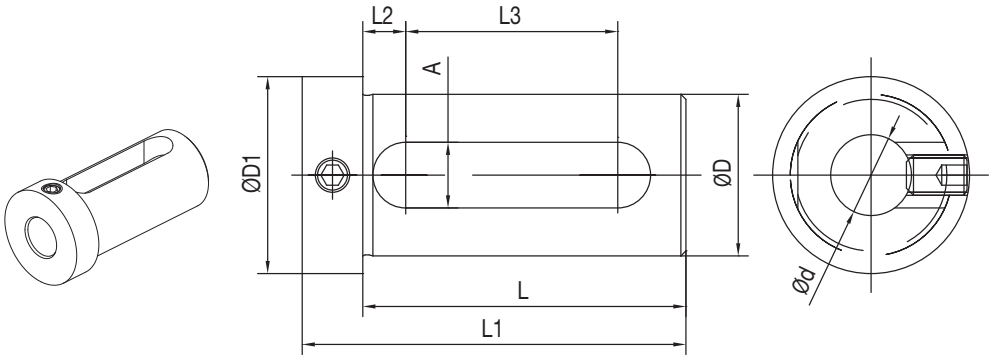
CODE N.	Ø	D
165-64205	40	25
165-64206	40	32

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

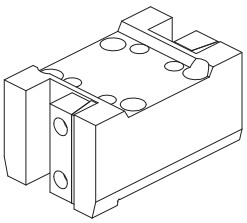
BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-63347	32	16	65	77	8	42	13	39
165-63349	32	20	65	77	8	42	13	39
165-63350	32	25	65	77	8	42	13	39
165-64241	40	16	75	89	9	51	14	48
165-64243	40	20	75	89	9	51	14	48
165-64244	40	25	75	89	9	51	14	48
165-64245	40	32	75	89	9	51	14	48

OKUMA (BMT60)

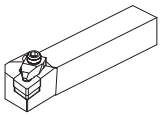
LB3000 EX (MW, MYW)



128-41509

Face and O.D. cutting holder

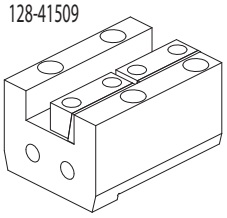
Face and I.D. cutting holder



Qualified tool 25x25 mm

124-06005
124-06006 i.Coolant

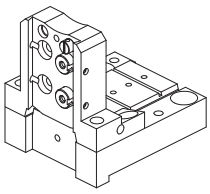
124-06007
124-06008 i.Coolant
124-06013 i.Coolant **80 BAR**



128-31505

FAST-IN

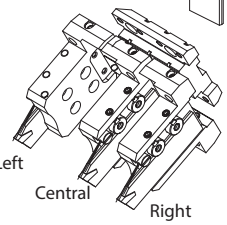
124-06601
124-06602



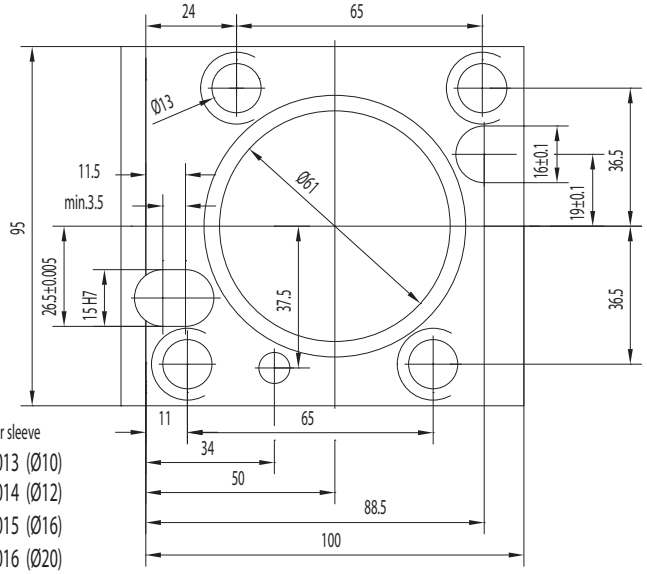
128-11535 (h=32 mm)

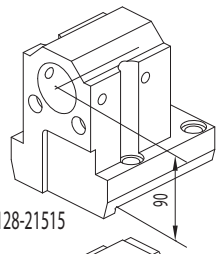
Cut-off holder

Cut-off tool
32 mm
26 mm



CONNECTION

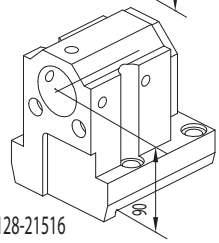




128-21515

Toolholder for boring bar

Ø40 mm

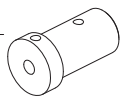


128-21516

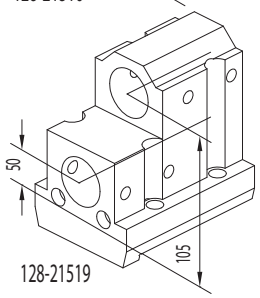
Combi toolholder for boring bar and insertdrill

Ø40 mm

ACCESSORIES



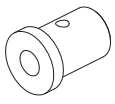
Boring bar sleeve
165-64013 (Ø10)
165-64014 (Ø12)
165-64015 (Ø16)
165-64016 (Ø20)



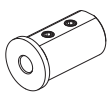
128-21519

Double toolholder for boring bar

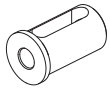
Ø40 mm



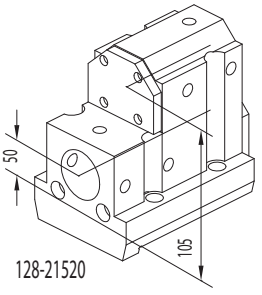
Throw-away drill socket
165-64205 (Ø25)
165-64206 (Ø32)



Boring bar sleeve
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



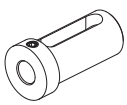
Boring bar sleeve
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



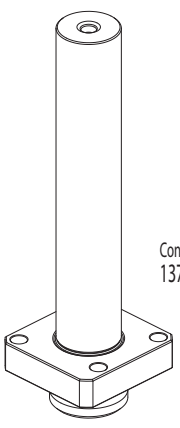
128-21520

Double combi toolholder for boring bar and insertdrill

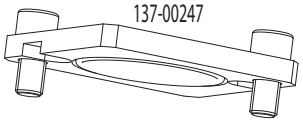
Ø40 mm



Boring bar sleeve
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)



Control pin
137-00195

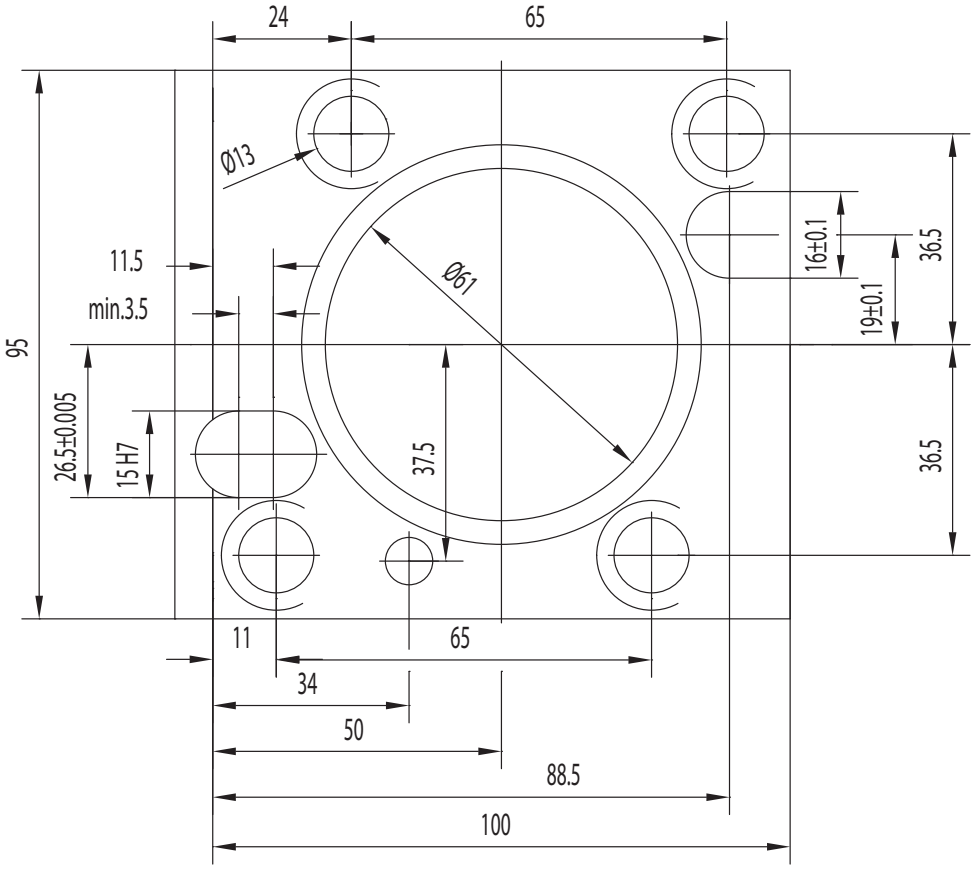


Protection cover
137-00247

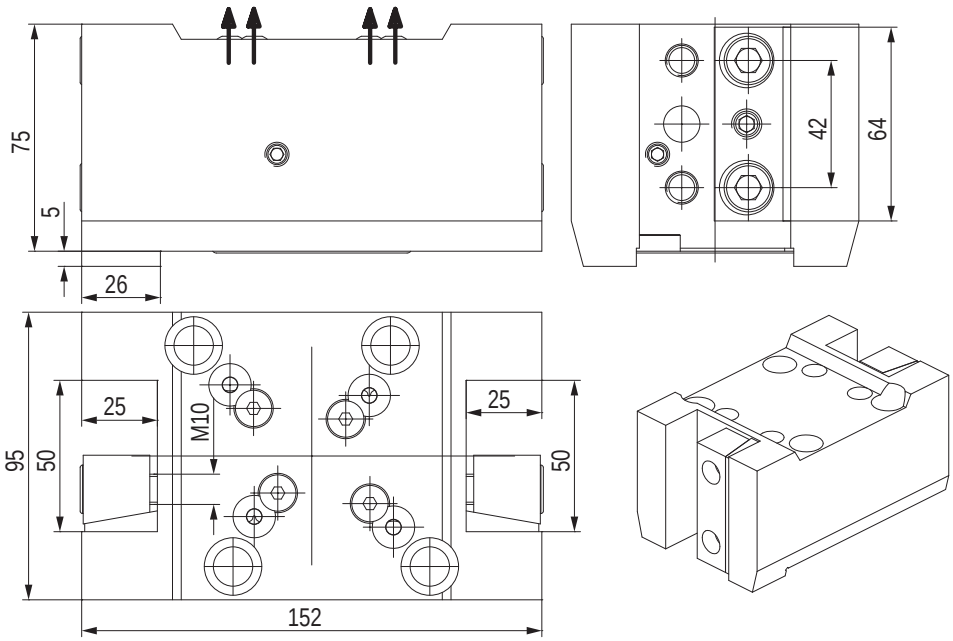
12

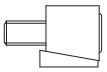
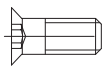
KINTEK

CONNECTION

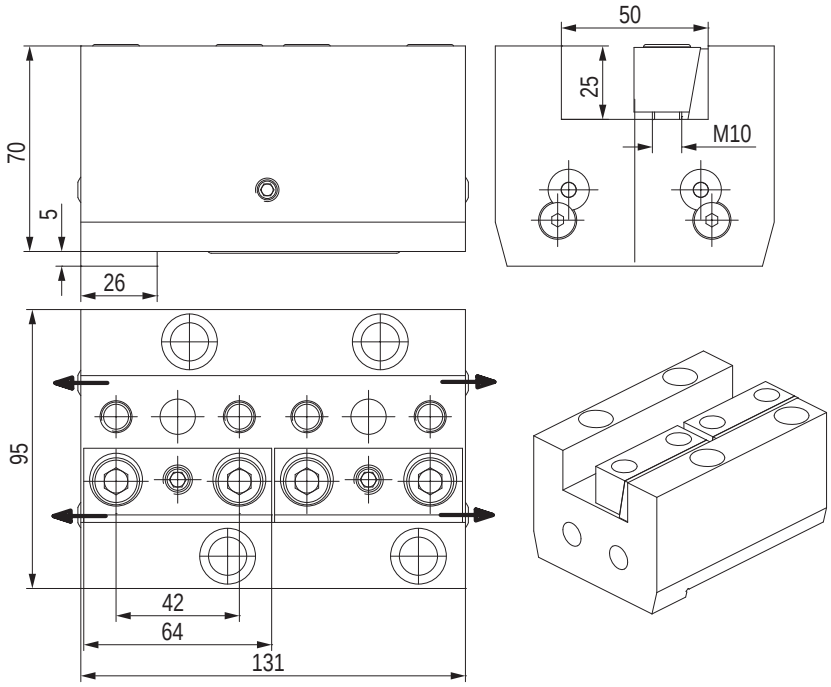


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



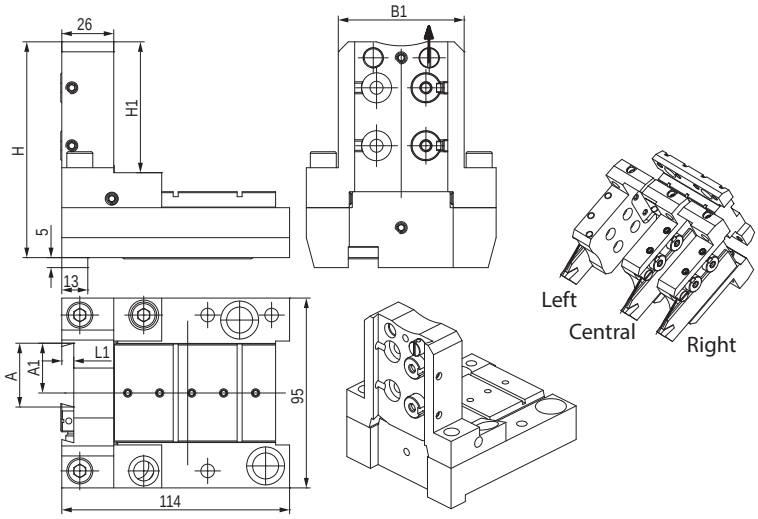
CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
				
128-41509	832-007360	833-001470	811-108018	823-101084

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-31505	832-007360	833-001470	811-108018	823-101084

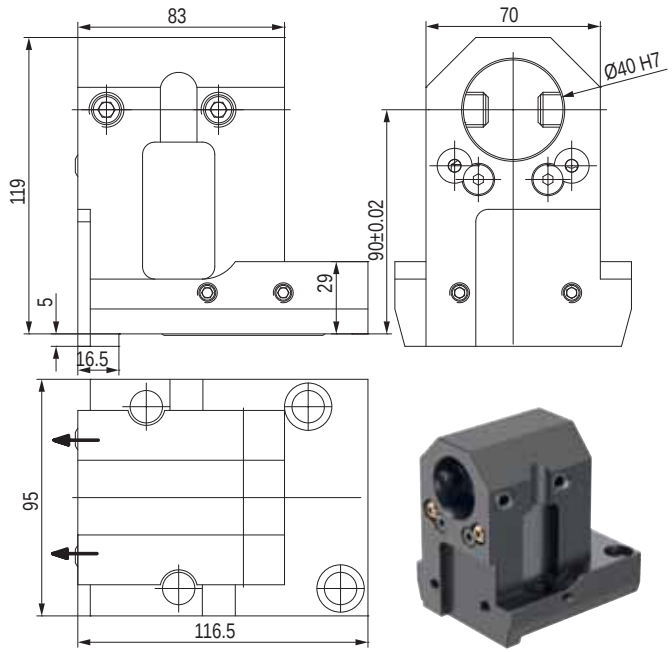
PORTALAMA - CUT-OFF HOLDERS



CODE N.	A	A1	L1	B1	H	H1	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR BASE
128-11535	32	25	6	63	108	65.5	833-001490	823-101058	823-101061	823-101084

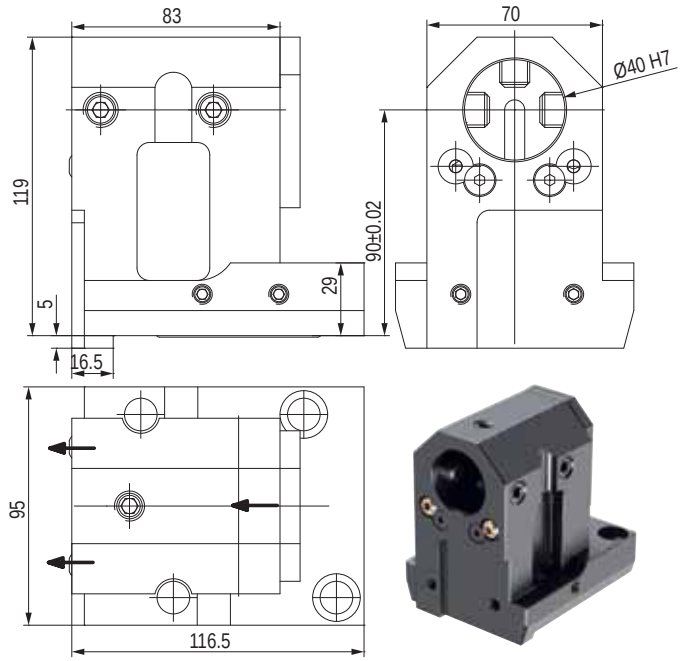
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
128-11535	832-014449	811-108037	832-014450	824-300012	811-101028	811-104013

PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



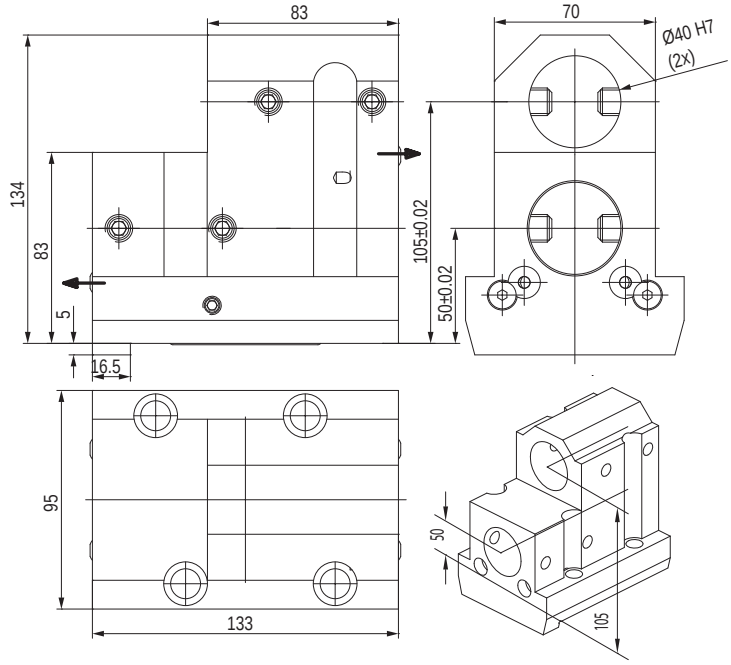
CODE N.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL	O RING
128-21515	811-102088	833-001470	811-108018	823-101084

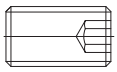
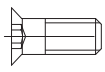
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



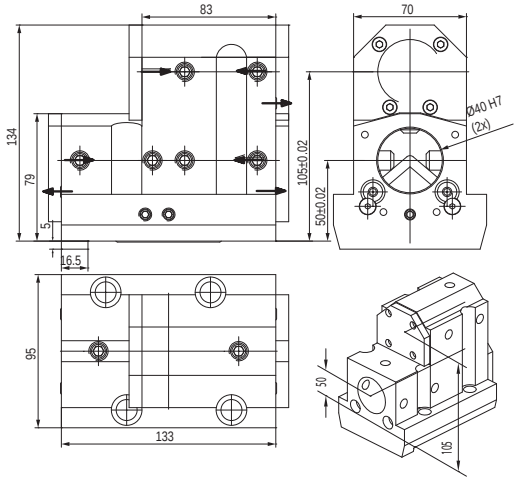
CODE N.	CLAMPING SCREW1 (M14X25)	CLAMPING SCREW2 (M12X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
128-21516	811-102088	811-102044	833-001470	811-108018	823-101084	832-003297	811-101016

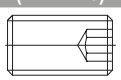
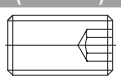
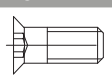
PORTAUTENSILE DOPPIO PER BARENI
DOUBLE TOOLHOLDER FOR BORING BAR

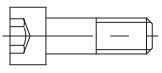


CODE N.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL	O RING
				
128-21519	811-102045	833-001470	811-108018	823-101084

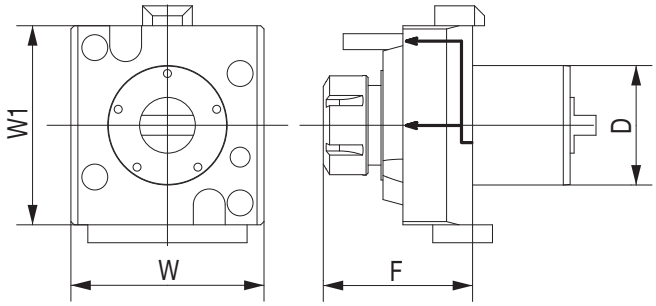
PORTAUTENSILE COMBI PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	CLAMPING SCREW1 (M12X25)	CLAMPING SCREW2 (M12X12)	COOLANT BALL	SCREW FOR BALL	O RING
					
128-21520	811-102045	811-102064	833-001410	811-108024	823-101084

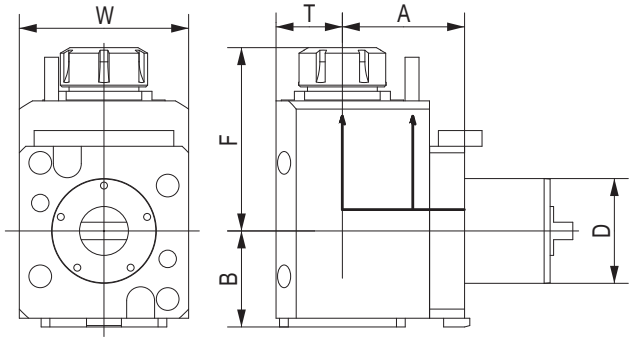
CODE N.	COVER1	COVER2	SCREW FOR COVER
			
128-21520	832-003306	832-003307	811-101016

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



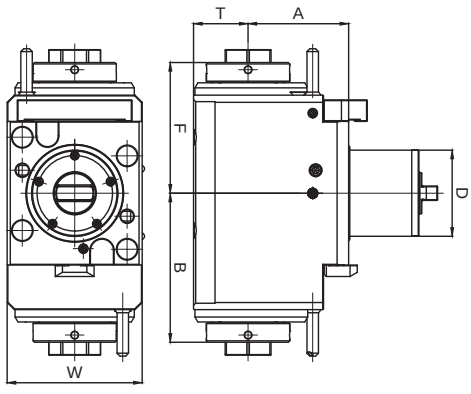
CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06005	60	ER32	no	87	97	100	70	6000	1:1	-
124-06006	60	ER32	yes	87	97	100	70	6000	1:1	20

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



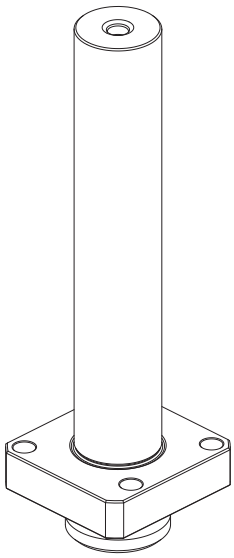
CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06007	60	ER32	no	right/left	70	59	111	38	94	70	6000	1:1	-
124-06008	60	ER32	yes	right/left	70	59	111	38	94	70	6000	1:1	20
124-06013	60	ER32	yes	right/left	70	59	111	38	94	70	6000	1:1	80

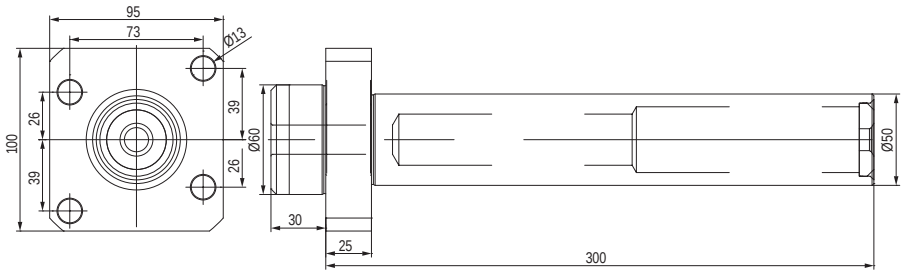
PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
DOUBLE ANGULAR DRILLING AND MILLING HEAD



CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06601	60	32	no	right/left	70	103.8	91	38	94	49	70	6000	1:1	-
124-06602	60	32	yes	right/left	70	103.8	91	38	94	49	70	6000	1:1	20

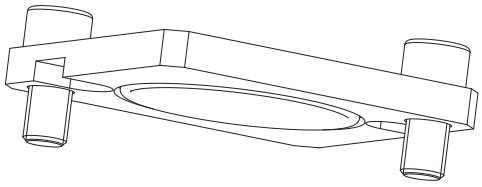
BARRA DI CONTROLLO - CONTROL PIN

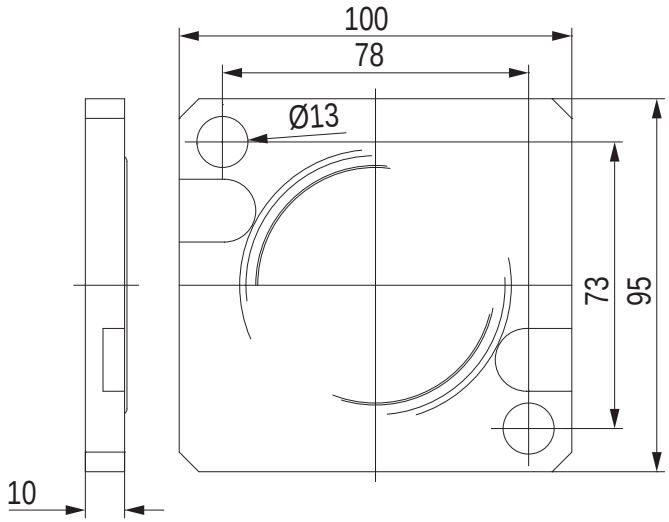




CODE N.
137-00195

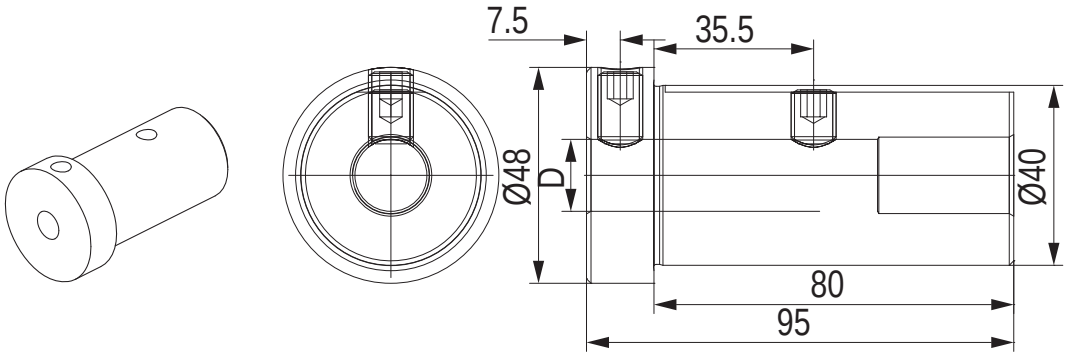
TAPPO DI PROTEZIONE - PROTECTION COVER

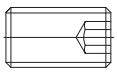
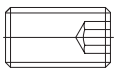




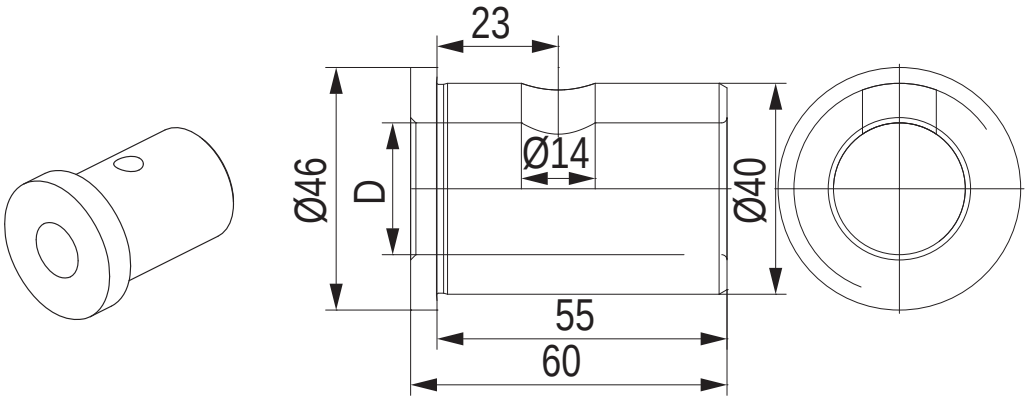
CODE N.	O RING
137-00247	823-101084

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



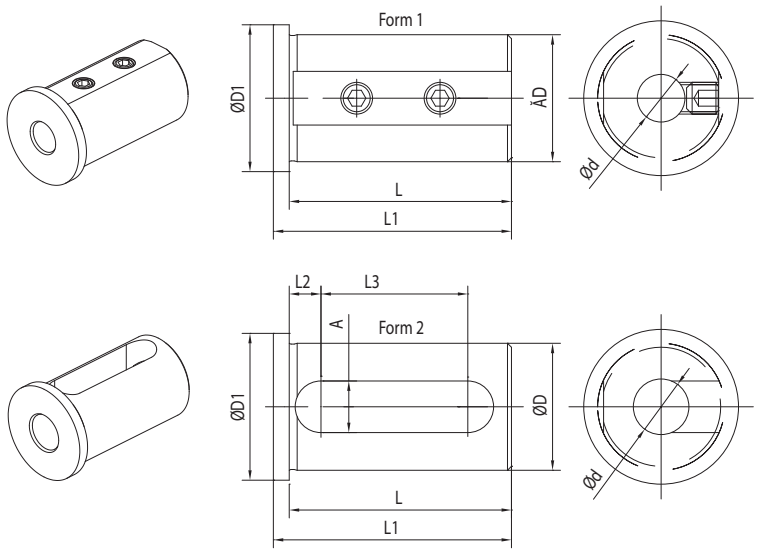
CODE N.	Ø	D	SCREW1 (LONG)	SCREW2 (SHORT)
				
165-64013	40	10	811-10230	811-10229
165-64014	40	12	811-10237	811-10236
165-64015	40	16	811-10237	811-10236
165-64016	40	20	811-10236	811-10235

BUSSOLA PER PUNTA INSERTI
THROW-AWAY DRILL SOCKET FOR TOOLHOLDER



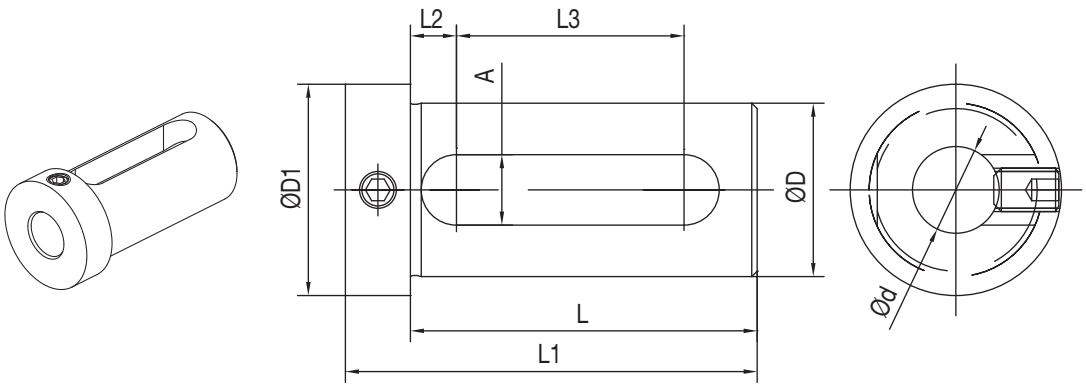
CODE N.	Ø	D
165-64205	40	25
165-64206	40	32

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

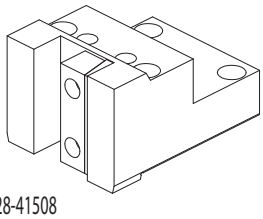
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

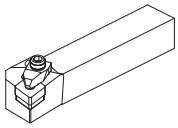
OKUMA (BMT60)

LB4000 EX (M, MY)

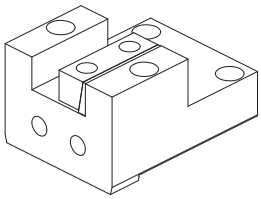


Face and O.D. cutting holder

128-41508

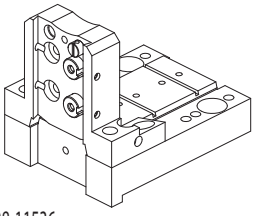


Qualified tool
25x25 mm



Face and I.D. cutting holder

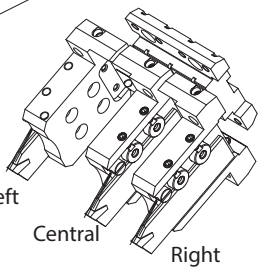
128-31504



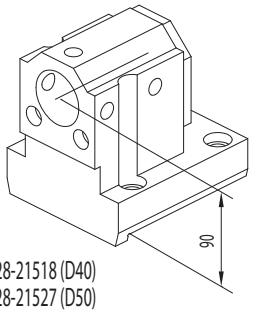
Cut-off holder

Cut-off tool
32 mm

128-11536

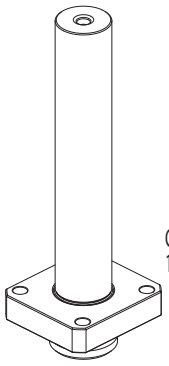


Left
Central
Right

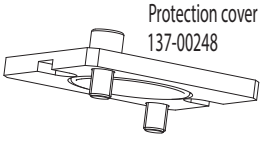


Combi toolholder for boring bar and insertdrill

128-21518 (D40)
128-21527 (D50)

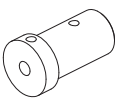


Control pin
137-00196

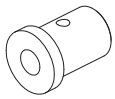


Protection cover
137-00248

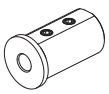
ACCESSORIES



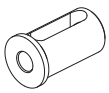
Boring bar sleeve D40
165-64013 (Ø10)
165-64014 (Ø12)
165-64015 (Ø16)
165-64016 (Ø20)



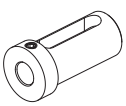
Throw-away drill socket D40
165-64205 (Ø25)
165-64206 (Ø32)



Boring bar sleeve D40
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



Boring bar sleeve D40
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



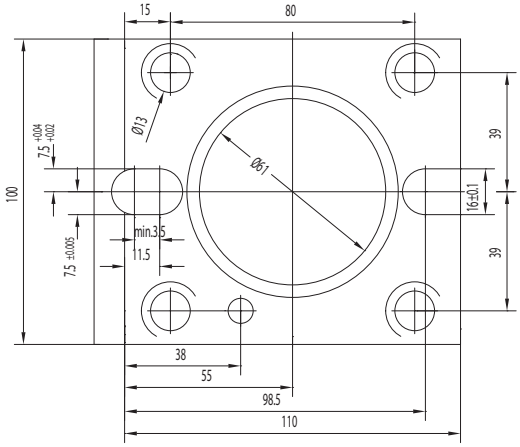
Boring bar sleeve
165-64241 (D40/Ø16)
165-64243 (D40/Ø20)
165-64244 (D40/Ø25)
165-64245 (D40/Ø32)
165-65017 (D50/Ø25)
165-65018 (D50/Ø32)
165-65019 (D50/Ø40)

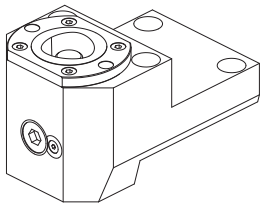
124-06009 i.Coolant
124-06010 i.Coolant

124-06011 i.Coolant
124-06012 i.Coolant
124-06014 i.Coolant **80 BAR**

FAST-IN

CONNECTION



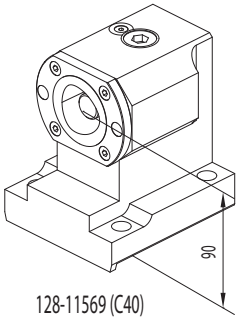


Face and O.D. cutting holder

Poligonal

128-11570 (C40)
128-11562 (C50)

NEWS



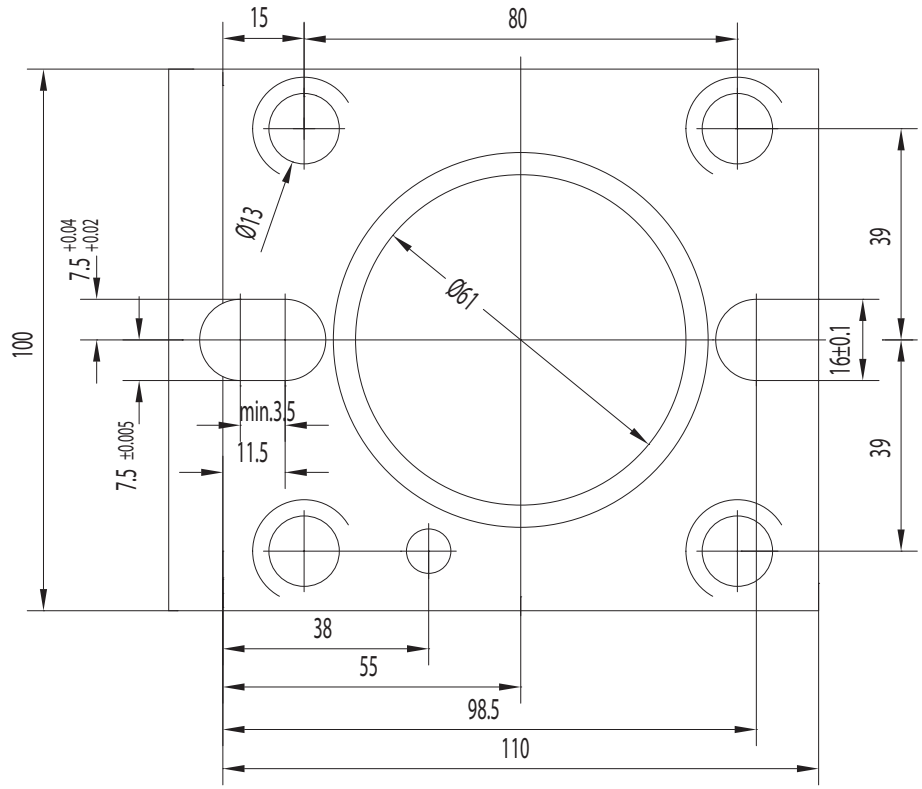
Boring bar holder

Poligonal

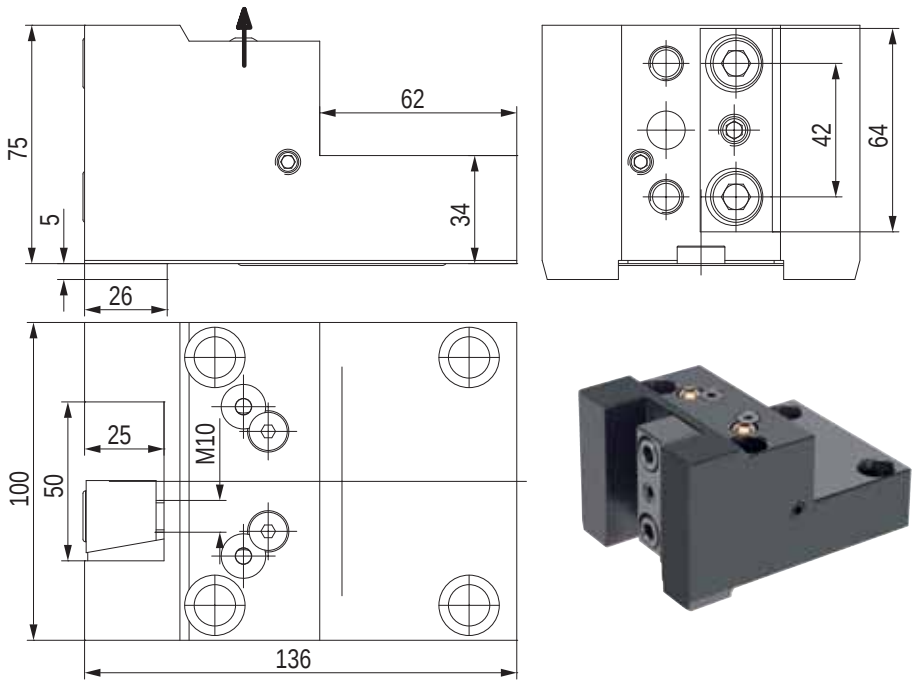
128-11569 (C40)
128-11560 (C50)

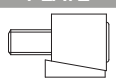
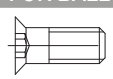
NEWS

CONNECTION

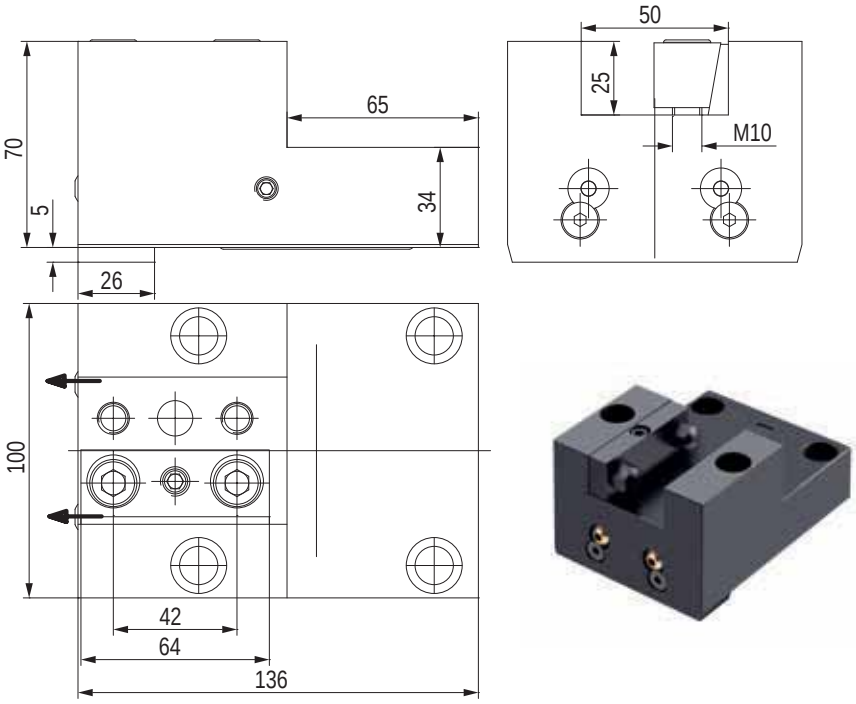


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



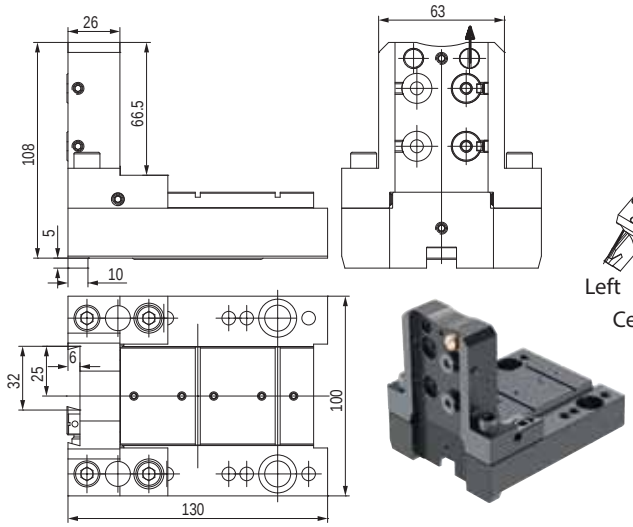
CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
				
128-41508	832-007360	833-001470	811-108018	823-101084

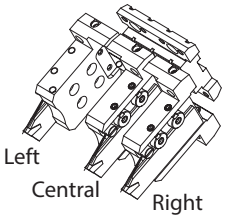
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-31504	832-007360	833-001470	811-108018	823-101084

PORTALAMA - CUT-OFF HOLDERS

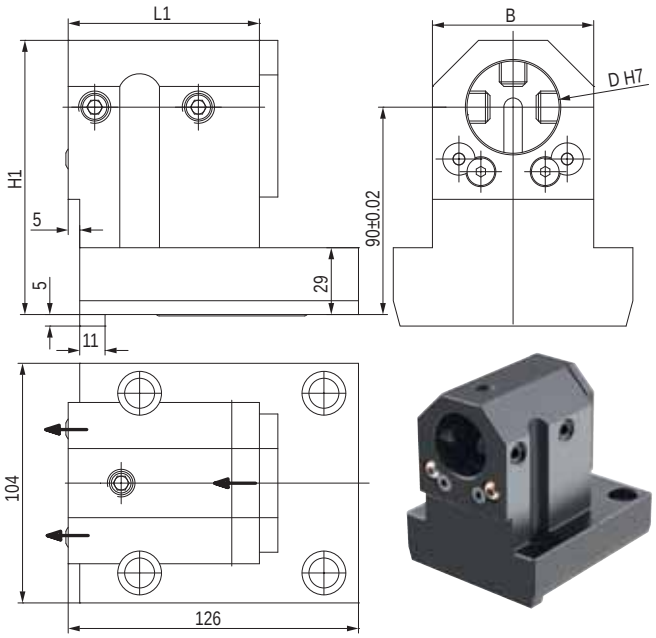




CODE N.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR BASE
128-11536	833-001490	823-101058	823-101061	823-101084

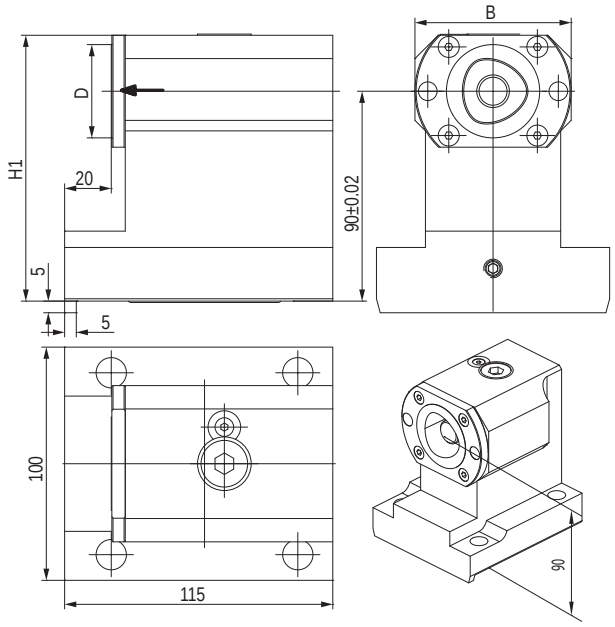
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
128-11536	832-014449	811-108037	832-014450	824-300012	811-101028	811-104013

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



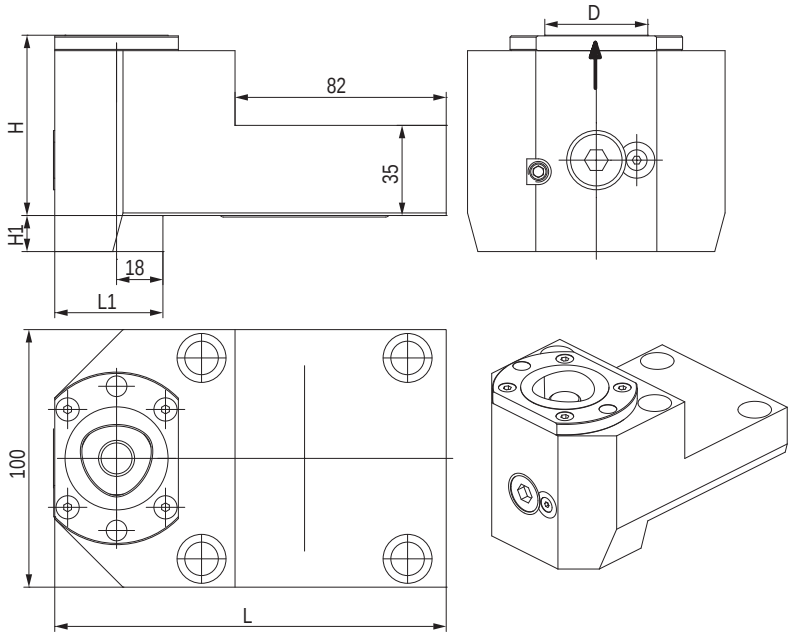
CODE N.	D	B	H1	L1	CLAMPING SCREW1 (M14x25)	CLAMPING SCREW2 (M12X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
128-21518	40	70	119	83	811-102088	811-102044	833-001470	811-108018	823-101084	832-003297	811-101016
128-21527	50	80	124	93	811-102088	811-102044	833-001470	811-108018	823-101084	832-003314	811-101016

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



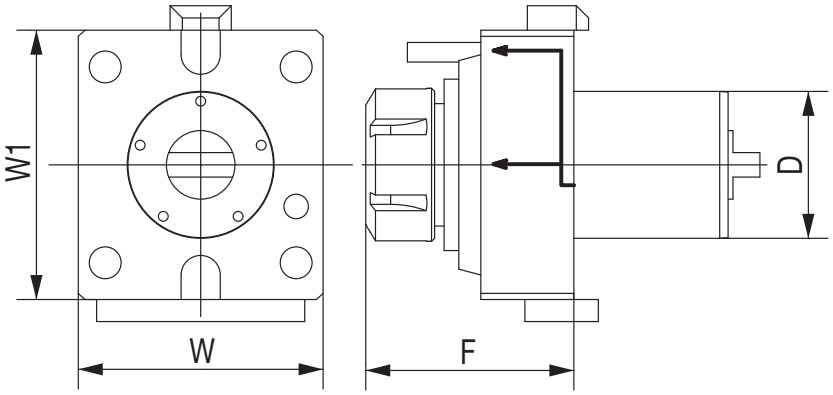
CODE N.	CAPTO	D	H1	B	CLAMPING UNIT	O RING
128-11569	C40	40	114	67	CXC40-10	823-101084
128-11560	C50	50	122	82	CXC50-10	823-101084

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



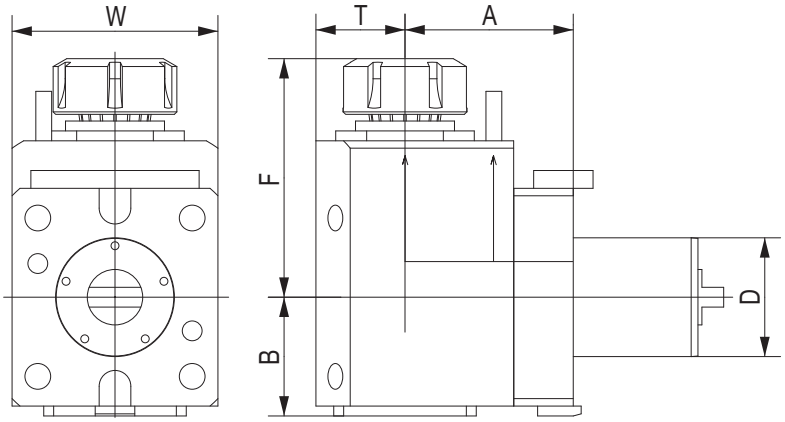
CODE N.	CAPTO	D	H	H1	L	L1	CLAMPING UNIT	O RING
128-11570	C40	40	70	14	152	42	CXC40-10	823-101084
128-11562	C50	50	75	20	160	50	CXC50-10	823-101084

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



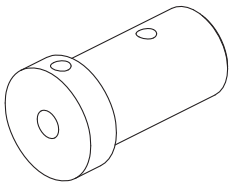
CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06009	60	ER40	no	82	100	110	80	6000	1:1	-
124-06010	60	ER40	yes	82	100	110	80	6000	1:1	20

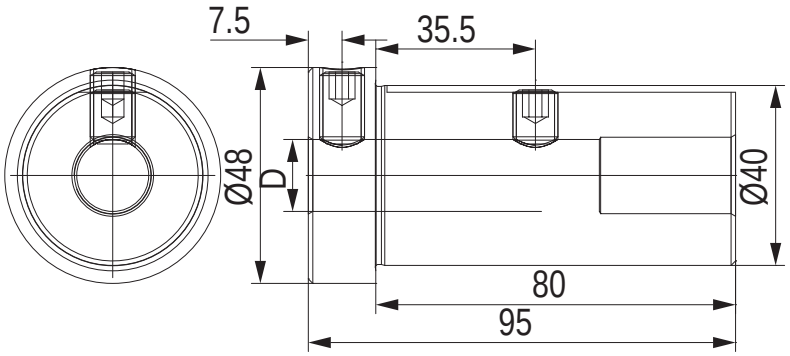
PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD

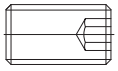
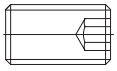


CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06011	60	ER40	no	right/left	85	64	121	44	100	80	6000	1:1	-
124-06012	60	ER40	yes	right/left	85	64	121	44	100	80	6000	1:1	20
124-06014	60	ER40	yes	right/left	85	64	121	44	100	80	6000	1:1	80

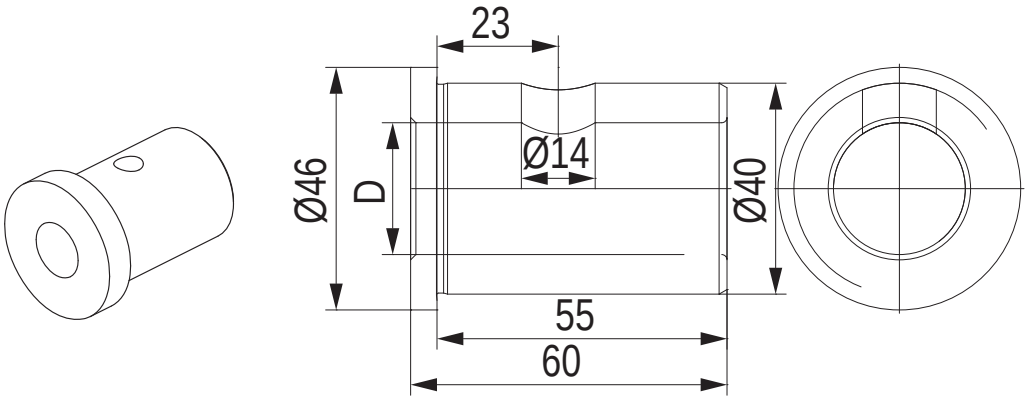
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER





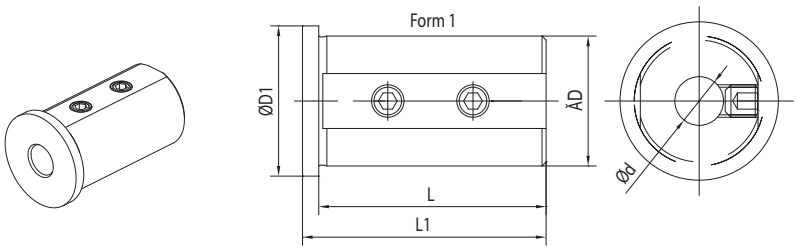
CODE N.	Ø	D	SCREW1 (LONG)	SCREW2 (SHORT)
				
165-64013	40	10	811-10230	811-10229
165-64014	40	12	811-10237	811-10236
165-64015	40	16	811-10237	811-10236
165-64016	40	20	811-10236	811-10235

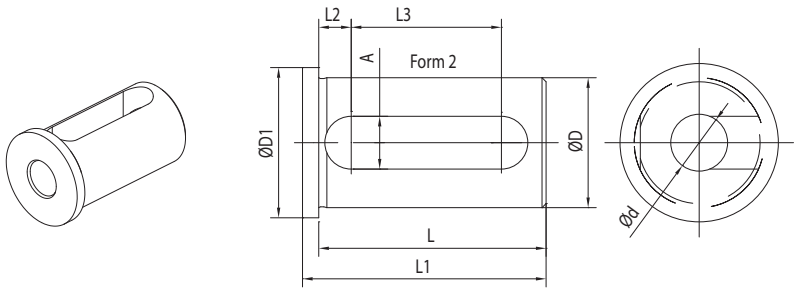
BUSSOLA PER PUNTA INSERTI
THROW-AWAY DRILL SOCKET FOR TOOLHOLDER



CODE N.	Ø	D
165-64205	40	25
165-64206	40	32

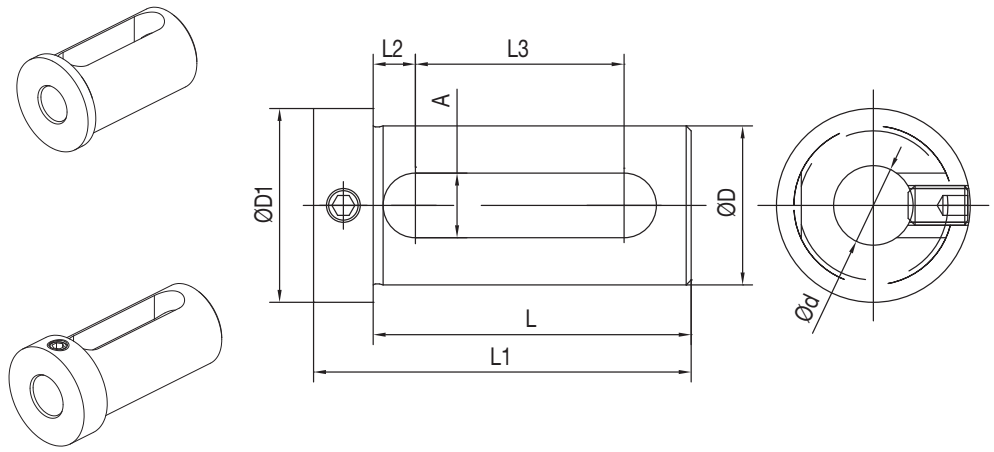
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER





CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

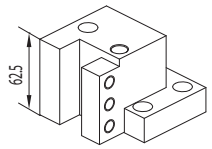
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	75	89	9	51	14	48
165-64243	40	20	75	89	9	51	14	48
165-64244	40	25	75	89	9	51	14	48
165-64245	40	32	75	89	9	51	14	48
165-65017	50	25	85	99	9	61	14	60
165-65018	50	32	85	99	9	61	14	60
165-65019	50	40	85	99	9	61	14	60

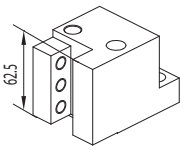
NAKAMURA TOME (BMT44)

NTY3/ SUPER NTMX/NTMXL / WT100
MURATA MURATEC MT100
WY-100II / NTJ100



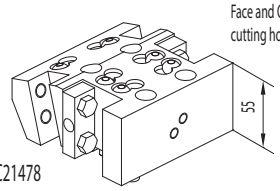
C21410

Face and O.D. cutting holder



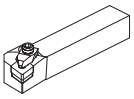
C21420

Face and O.D. cutting holder

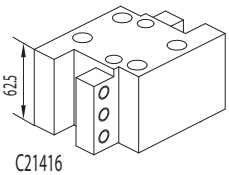


C21478

Face and O.D. cutting holder

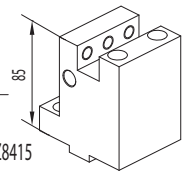


Qualified tool 20x20 mm



C21416

Face and O.D. cutting holder



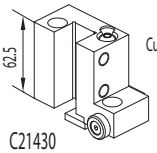
Z8415

Face and I.D. cutting holder

124-04401
124-04402 i.Coolant

FAST-IN

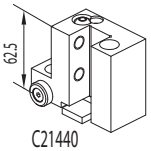
124-04403
124-04404 i.Coolant
124-04405 i.Coolant 80 BAR



C21430

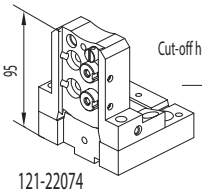
Cut-off holder

Cut-off tool 20x20mm



C21440

Cut-off holder

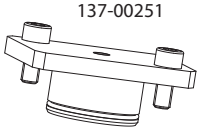


121-22074

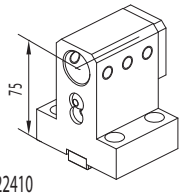
Cut-off holder

Cut-off tool 26 mm

Protection cover
137-00251



ACCESSORIES



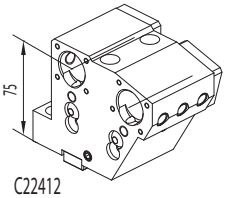
C22410

Toolholder for boring bar

Ø25 mm

Boring bar sleeve
165-62551 (Ø8)
165-62552 (Ø10)
165-62553 (Ø12)

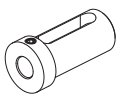
Boring bar sleeve
165-62555 (Ø16)



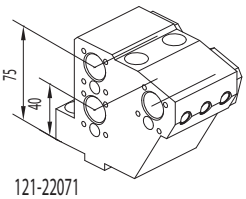
C22412

Double toolholder for boring bar

Ø25 mm



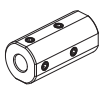
Boring bar sleeve
165-62545 (Ø12)
165-62547 (Ø16)
165-62549 (Ø20)



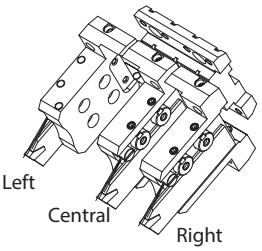
121-22071

Treble toolholder for boring bar

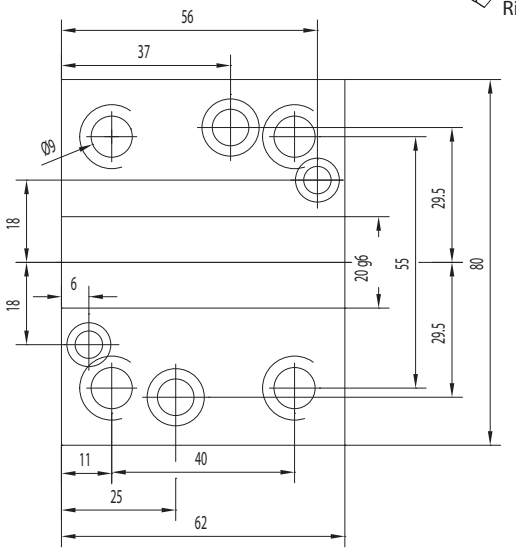
Ø20 mm



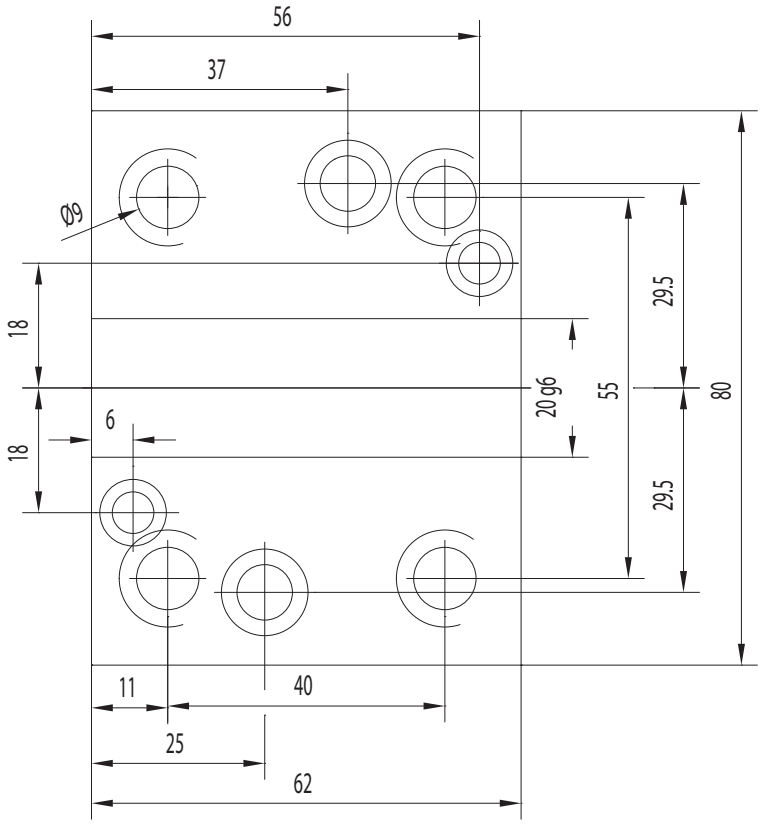
Boring bar sleeve
E2-1 20x6
E2-1 20x8
E2-1 20x10
E2-1 20x12



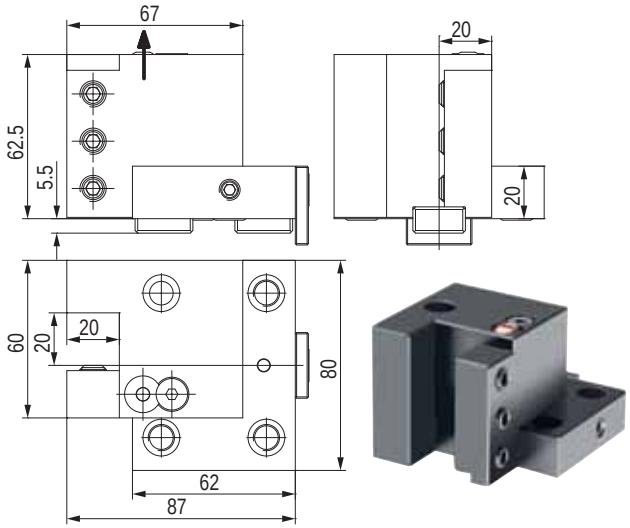
CONNECTION

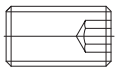
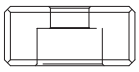
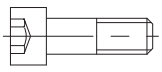
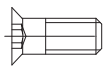


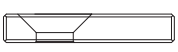
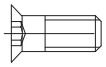
CONNECTION



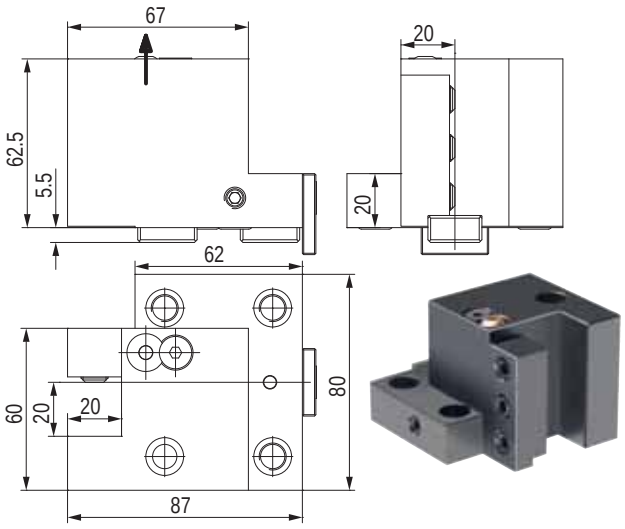
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
C21410	811-102038	814-203270	811-101027	833-001470	811-108018

CODE N.	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
			
C21410	832-003232	811-108029	823-101083

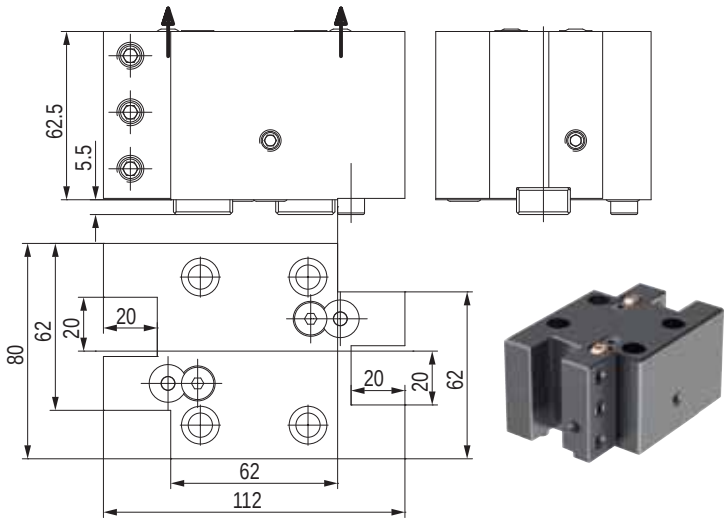
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
C21420	811-102038	814-203270	811-101027	833-001470	811-108018

CODE N.	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
C21420	832-003232	811-108029	823-101083

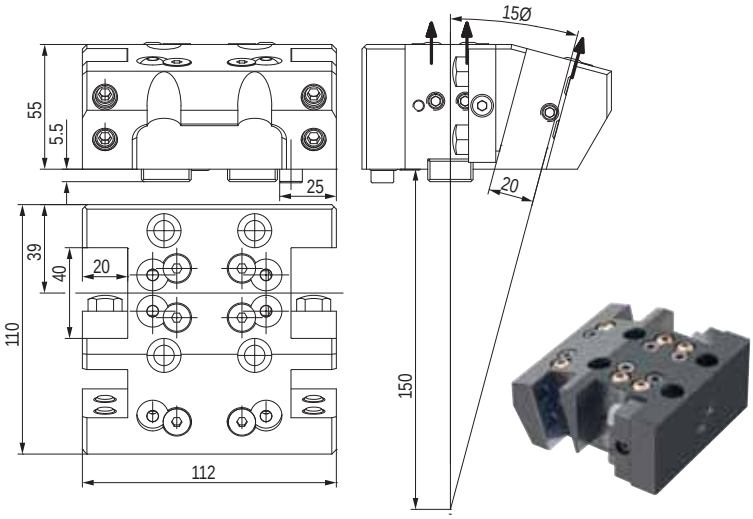
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

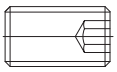
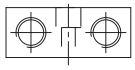
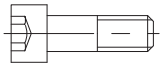
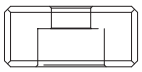
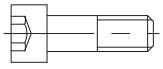


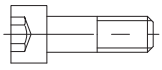
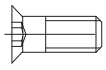
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
C21416	811-102038	814-203270	811-101027	833-001470	811-108018

CODE N.	STOP SCREW	O RING FOR COOLANT INTAKE
C21416	811-101026	823-101083

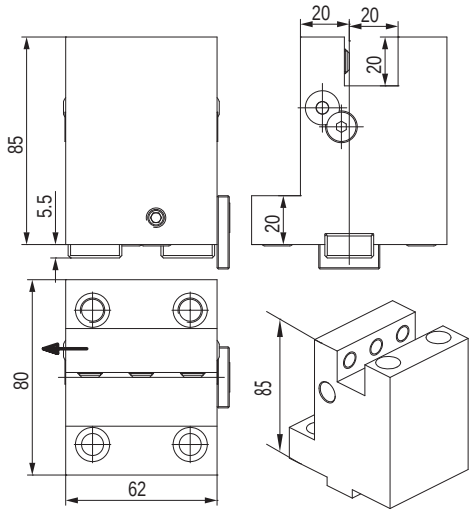
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

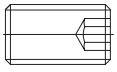
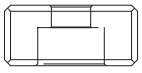
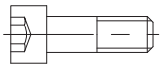
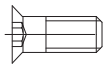


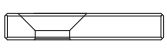
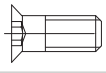
CODE N.	CLAMPING SCREW1	CLAMPING SCREW2	CLAMPING PLATE	SCREW FOR PLATE	KEY	SCREW FOR KEY
						
C21478	811-102037	811-301108	832-002184	811-101019	814-203270	811-101027

CODE N.	STOP SCREW	COOLANT BALL	SCREW FOR BALL	O RING FOR COOLANT INTAKE1 (d7.59X2.62)	O RING FOR COOLANT INTAKE2 (d6X2)
					
C21478	811-101026	833-001470	811-108018	823-101083	823-101082

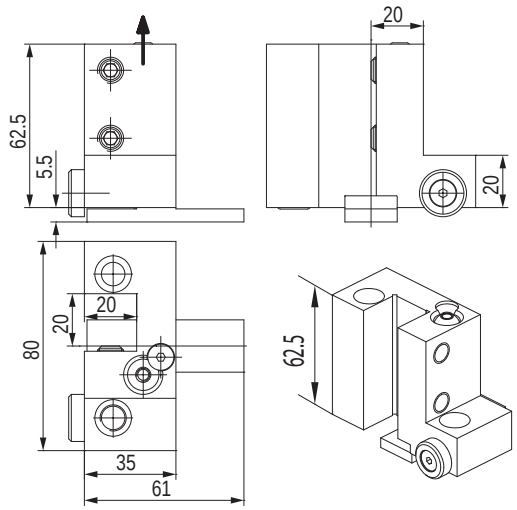
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
Z8415	811-102038	814-203270	811-101027	833-001470	811-108018

CODE N.	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
			
Z8415	832-003232	811-108029	823-101083

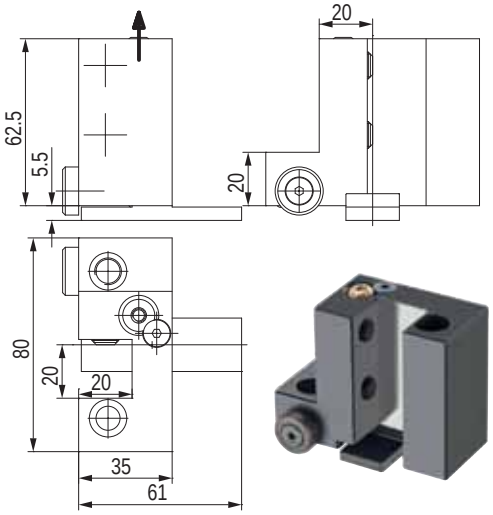
PORTALAMA - CUT-OFF HOLDERS



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
C21430	811-102038	814-203330	811-101027	833-001410	811-108024

CODE N.	STOP RING	SCREW FOR RING	O RING FOR COOLANT INTAKE
C21430	832-003292	811-108024	823-101083

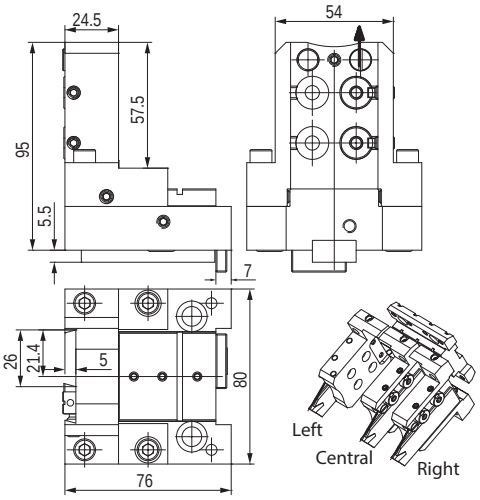
PORTALAMA - CUT-OFF HOLDERS

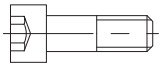
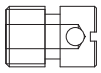


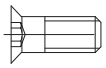
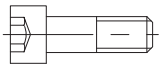
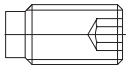
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
C21440	811-102038	814-203330	811-101027	833-001410	811-108024

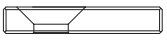
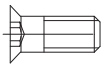
CODE N.	STOP RING	SCREW FOR RING	O RING FOR COOLANT INTAKE
C21440	832-003292	811-108024	823-101083

PORTALAMA - CUT-OFF HOLDERS

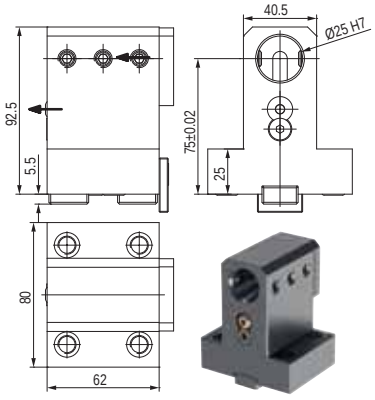


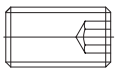
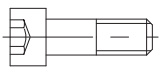
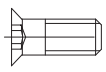
CODE N.	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY
					
121-22074	814-203380	811-101011	833-001490	823-101058	823-101061

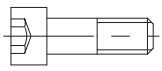
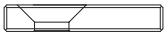
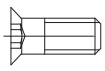
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
121-22074	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013

CODE N.	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
			
121-22074	832-003232	811-108029	823-101083

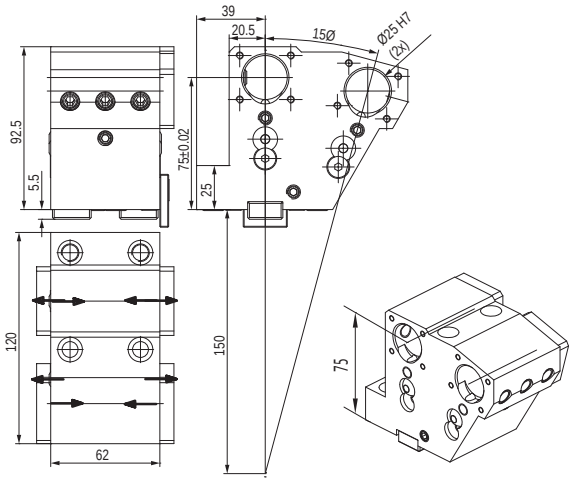
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
C22410	811-102035	814-203270	811-101027	833-001470	811-108018

CODE N.	COVER	SCREW FOR COVER	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
					
C22410	832-003291	811-101016	832-003232	811-108029	823-101083

PORTAUTENSILE DOPPIO PER BARENI
DOUBLE TOOLHOLDER FOR BORING BAR

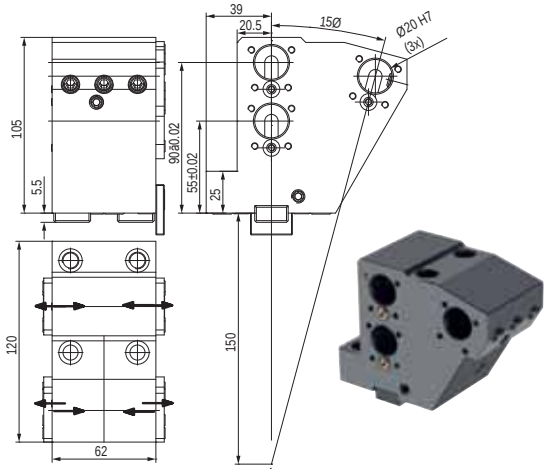


CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	SCREW FOR INTERNAL COOLANT (M8X12)
C22412	811-102035	814-203270	811-101027	833-001470	811-108018	811-102028

CODE N.	COVER	SCREW FOR COVER	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE1 (D7.59X2.62)	O RING FOR COOLANT INTAKE2 (D6X2)
C22412	832-003280	811-101010	832-003232	811-108029	823-101083	823-101082

12

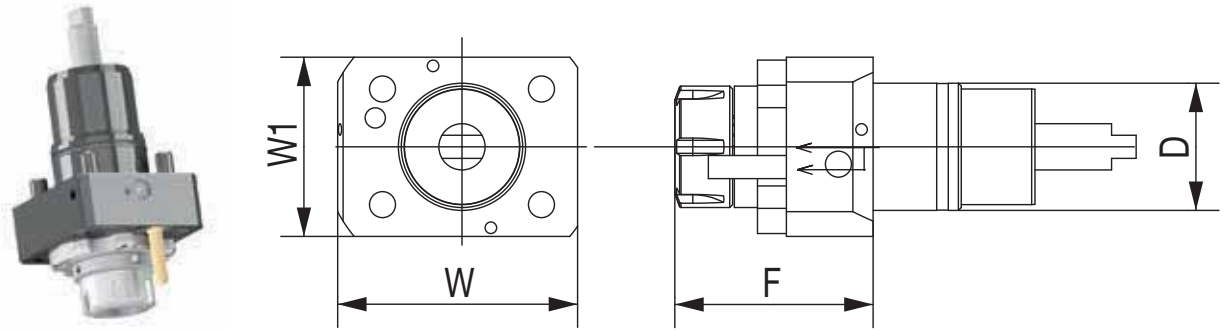
PORTAUTENSILE TRIPLO PER BARENI
TREBLE TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT NOZZLE
121-22071	811-102035	814-203270	811-101026	833-001070

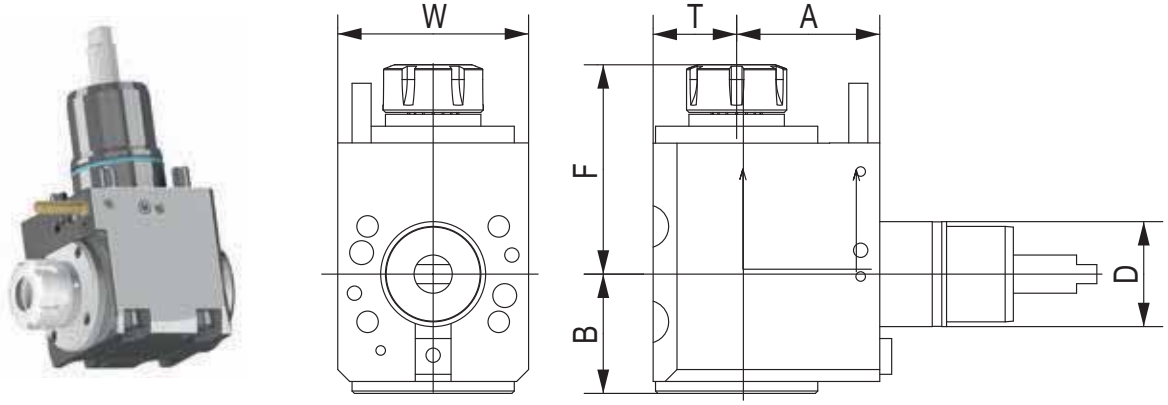
CODE N.	COVER	SCREW FOR COVER	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE1 (D7.59X2.62)	O RING FOR COOLANT INTAKE2 (D6X2)
121-22071	832-003317	811-101010	832-003232	811-108029	823-101083	823-101082

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



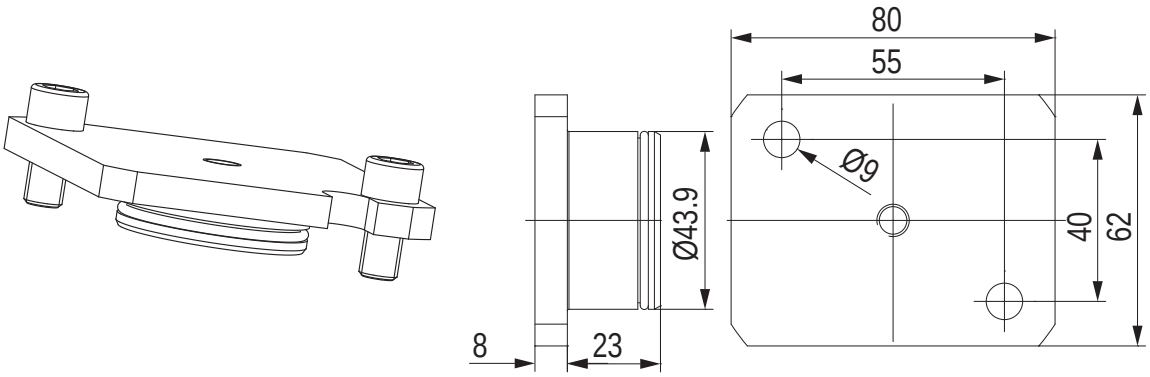
CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (bar)
124-04401	44	ER25	no	68.6	83	62	40	6000	1:1	-
124-04402	44	ER25	yes	68.6	83	62	40	6000	1:1	20
124-04405	44	ER25	yes	68.6	83	62	40	6000	1:1	80

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



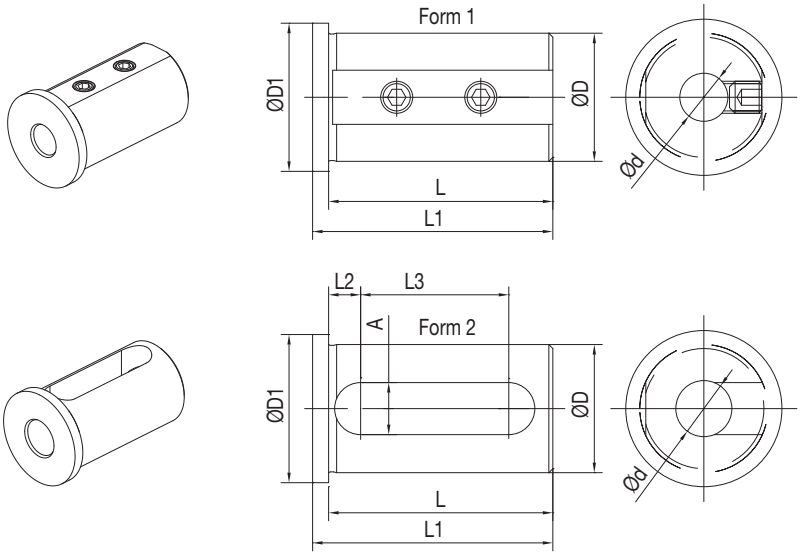
CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-04403	44	ER25	no	right/left	60	50,3	87,8	35	80	28	6000	1:1	-
124-04404	44	ER25	yes	right/left	60	50,3	87,8	35	80	28	6000	1:1	20

TAPPO DI PROTEZIONE - PROTECTION COVER



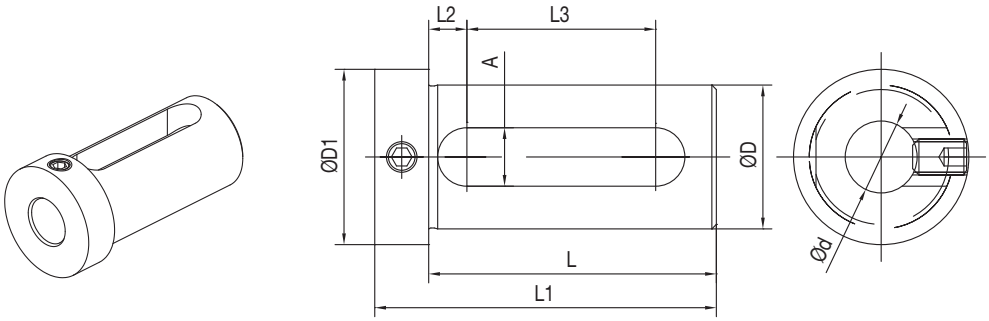
CODE N.	O RING
137-00251	823-101066

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



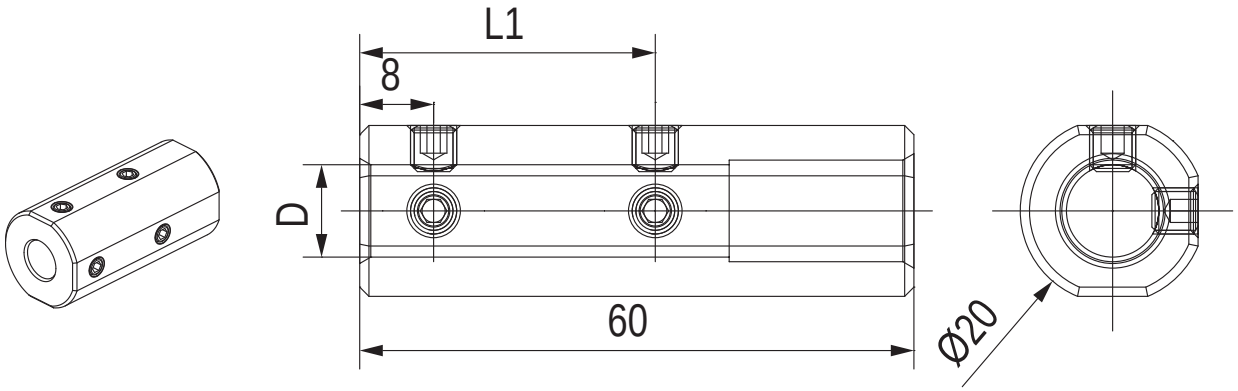
CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30

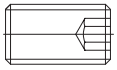
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-62545	25	12	54	66	8,5	32	13	32
165-62547	25	16	54	66	8,5	32	13	32
165-62549	25	20	54	66	8,5	32	13	32

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

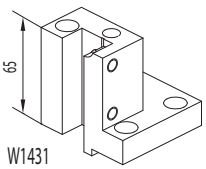


CODE N.	D	L1	SCREW
			
E2-1 20x6	6	27	811-102010
E2-1 20x8	8	27	811-102010
E2-1 20x10	10	32	811-102009
E2-1 20x12	12	32	811-102063

NAKAMURA TOME (BMT55)

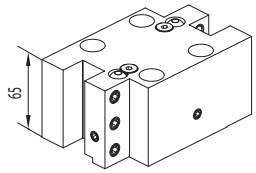
AS-200 / NTM 3 / NTY3-250
SC-150M / SC-200MY / SC-250M / SuperNTJ
TMC-20 II M/ML / TW-10 / TW-20
WT-20 II M/MY / WT150/200 / WT-250
WTS-150 / WTW-150/160 / WT200 II (M,MY)
WY-250 / CMZ TX52/66
SUPER NTJ/NTM3 / SC150/250

CMZ TX52/66



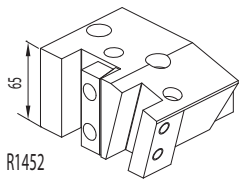
W1431

Face and O.D. cutting holder
20x20 mm



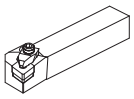
123-12063

Face and O.D. cutting holder
20x20 mm

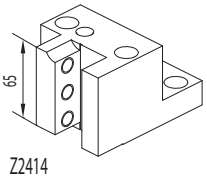


R1452

Face and O.D. cutting holder
20x20 mm

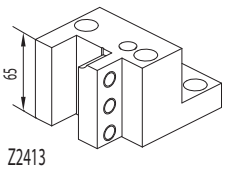


Qualified tool



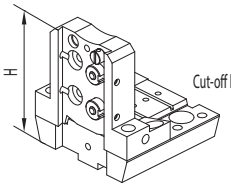
Z2414

Face and O.D. cutting holder
25x25 mm



Z2413

Face and O.D. cutting holder
25x25 mm



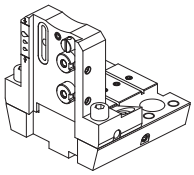
121-22076 (h=32 mm H=100 mm)

Cut-off holder

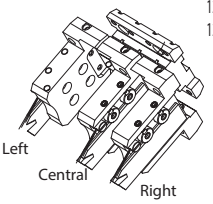
FAST-IN

124-05507
124-05508 i.Coolant

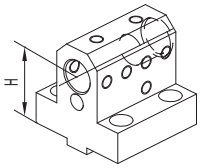
124-05509
124-05510 i.Coolant
124-05517 i.Coolant 80 BAR



121-22076-IC I.Coolant



ACCESSORIES



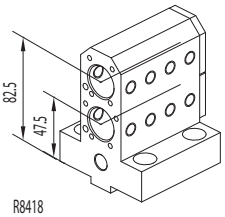
W1417 D25 (H=55 mm)
W4437 D25 (H=75 mm)
G1417 D25 (H=85 mm)

Combi toolholder for boring bar and insertdrill

Ø25 mm

Boring bar sleeve D25
165-62551 (Ø8)
165-62552 (Ø10)
165-62553 (Ø12)

Boring bar sleeve D32
165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)



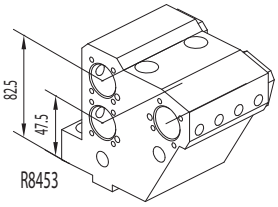
R8418

Double toolholder for boring bar

Ø25 mm

Boring bar sleeve D25
165-62555 (Ø16)

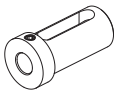
Boring bar sleeve D32
165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)



R8453

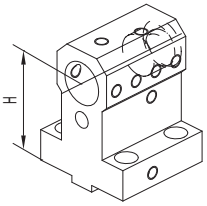
Treble toolholder for boring bar

Ø25 mm



Boring bar sleeve D25
165-62545 (Ø12)
165-62547 (Ø16)
165-62549 (Ø20)

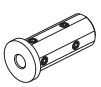
Boring bar sleeve D32
165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)



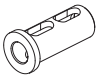
W1417 D32 (H=55 mm)
Z2417 D32 (H=70 mm)
Z7417 D32 (H=80 mm)

Combi toolholder for boring bar and insertdrill

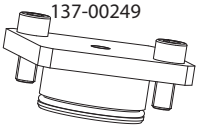
Ø32 mm



Boring bar sleeve D25
115-62573 (Ø6)
115-62538 (Ø8)
115-62539 (Ø10)
115-62540 (Ø12)

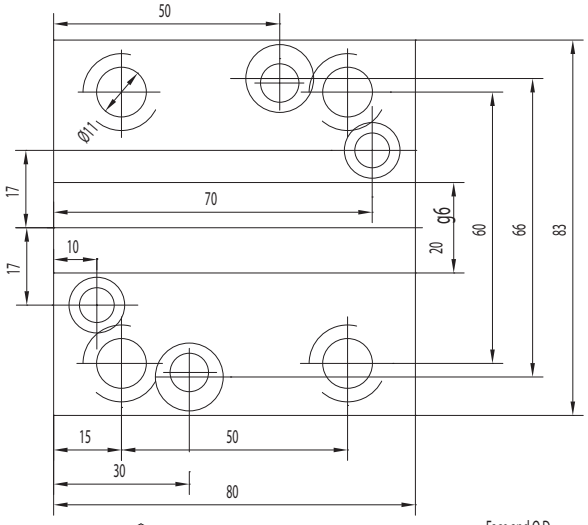


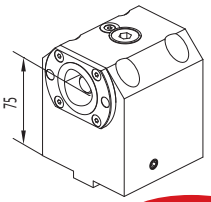
Boring bar sleeve D25
115-62541 (Ø16)



Protection cover
137-00249

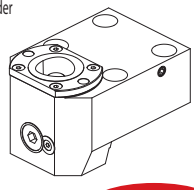
CONNECTION





Boring bar holder
Poligonal C40

121-22098 NEWS



Face and O.D. cutting holder
Poligonal C40

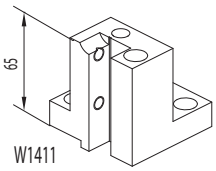
121-22099 NEWS

NAKAMURA TOME (BMT55)

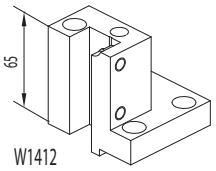
AS-200 / NTM 3 / NTY3-250
SC-150M / SC-200MY / SC-250M
SuperNTJ / TMC-20 II M/ML
TW-10 / TW-20 / WT-20 II M/MY
WT150/200 / WT-250 / WTS-150
WTW-150/160 / WT200 II (M,MY)
WY-250

CMZ

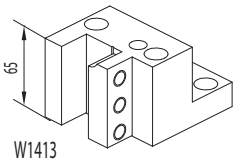
CMZ TX52/66 / SUPER NTJ
NTM3 / SC150/250
TX52 Y3-Y2 QUATTRO-Y2 TW IN
TX66 Y3-Y2 QUATTRO-Y2 TW IN
TTL 52 / TTL 66
TA15-20-25-30M/Y/MS/MY/YS 15ST



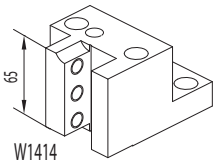
W1411 — Face and O.D. cutting holder



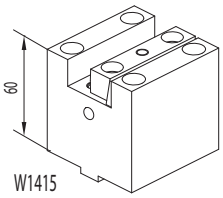
W1412 — Face and O.D. cutting holder



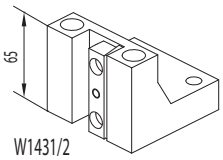
W1413 — Face and O.D. cutting holder



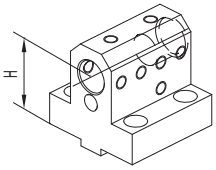
W1414 — Face and O.D. cutting holder



W1415 — Face and I.D. cutting holder



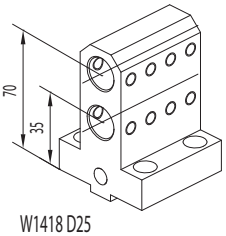
W1431/2 — Face and O.D. cutting holder



W1417 D25 (H=55 mm)
W4437 D25 (H=75 mm)

Combi toolholder for boring bar and insertdrill

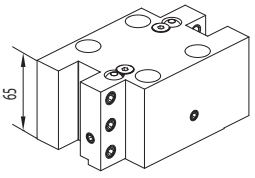
Ø25 mm



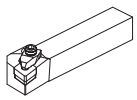
W1418 D25

Double toolholder for boring bar

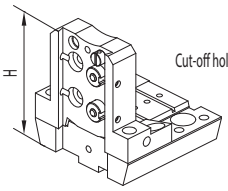
Ø25 mm



123-12063



Qualified tool
20x20 mm

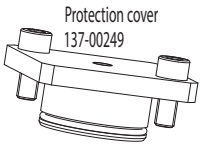


Cut-off holder

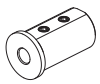
121-22076 (h=32 mm H=100 mm)

Cut-off tool

ACCESSORIES

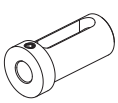


Protection cover
137-00249

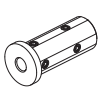


Boring bar sleeve
165-62551 (Ø8)
165-62552 (Ø10)
165-62553 (Ø12)

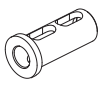
Boring bar sleeve
165-62555 (Ø16)



Boring bar sleeve
165-62545 (Ø12)
165-62547 (Ø16)
165-62549 (Ø20)



Boring bar sleeve
115-62573 (Ø6)
115-62538 (Ø8)
115-62539 (Ø10)
115-62540 (Ø12)

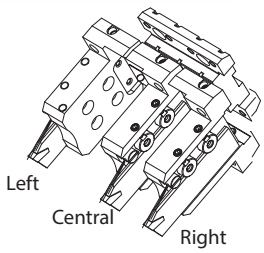


Boring bar sleeve
115-62541 (Ø16)

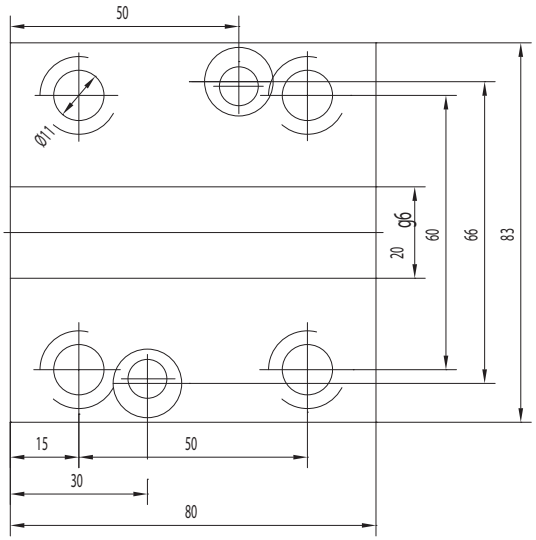
124-05507
124-05508 I.Coolant

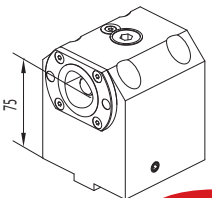
124-05509
124-05510 I.Coolant

FAST-IN



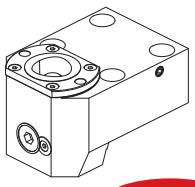
CONNECTION





Boring bar holder
Poligonal C40

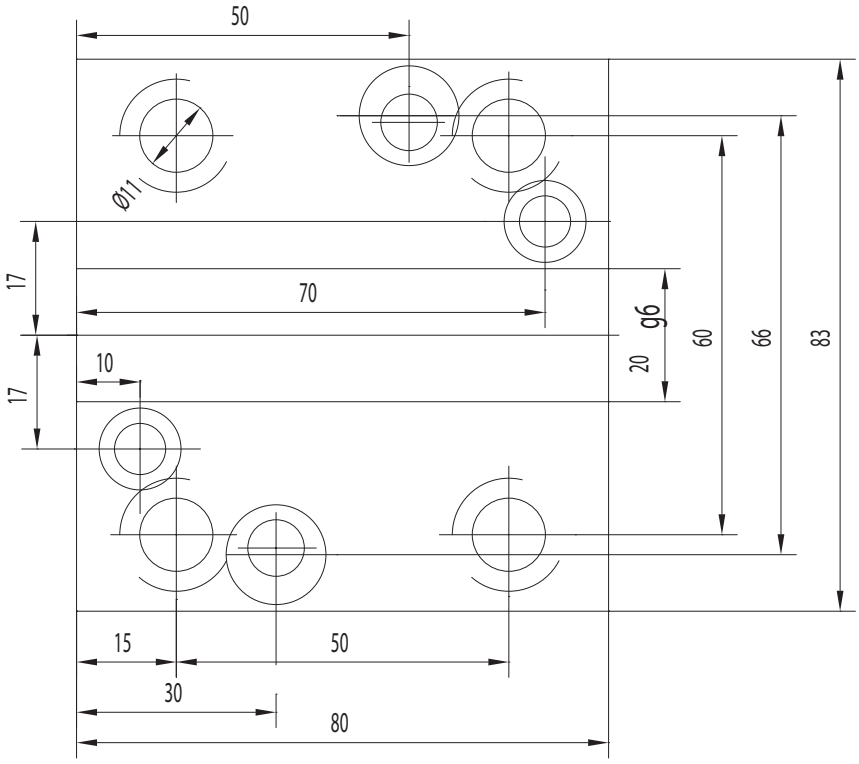
121-22098 NEWS



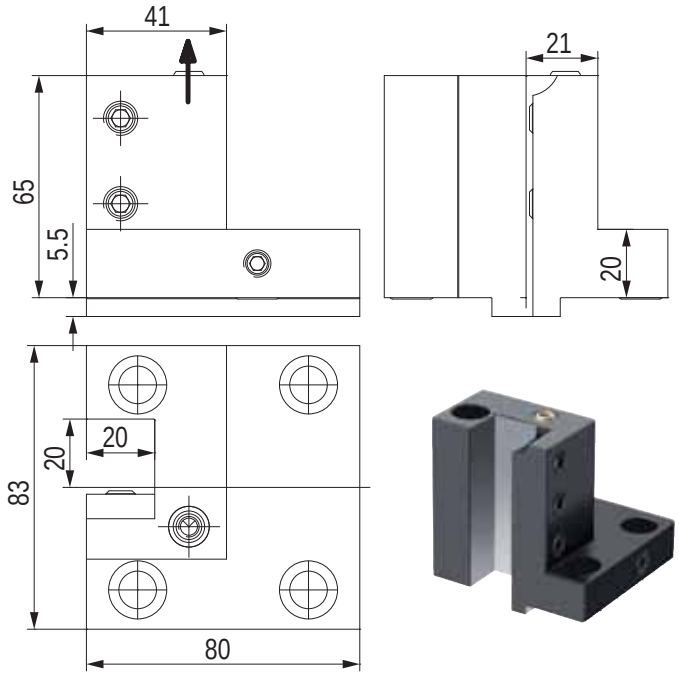
Face and O.D. cutting holder
Poligonal C40

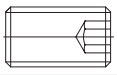
121-22099 NEWS

CONNECTION

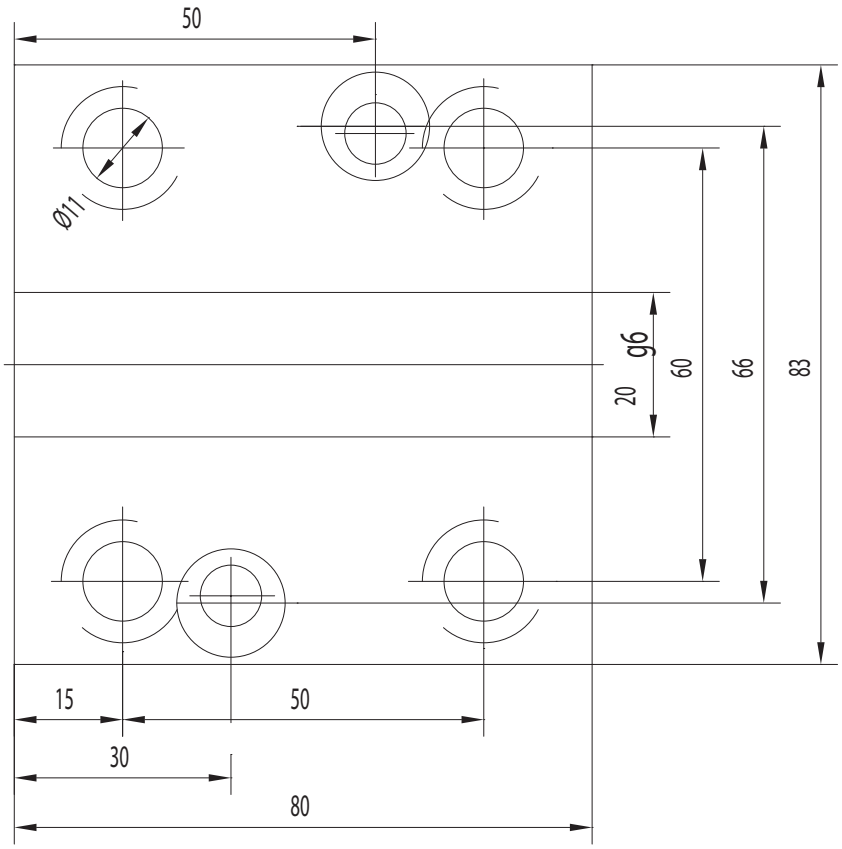


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

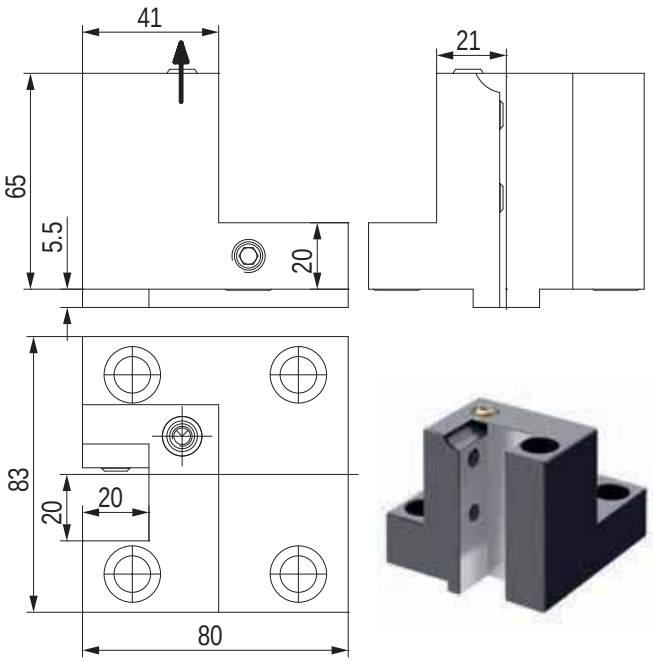


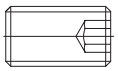
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
			
W1431	811-102038	833-001110	823-101015

CONNECTION

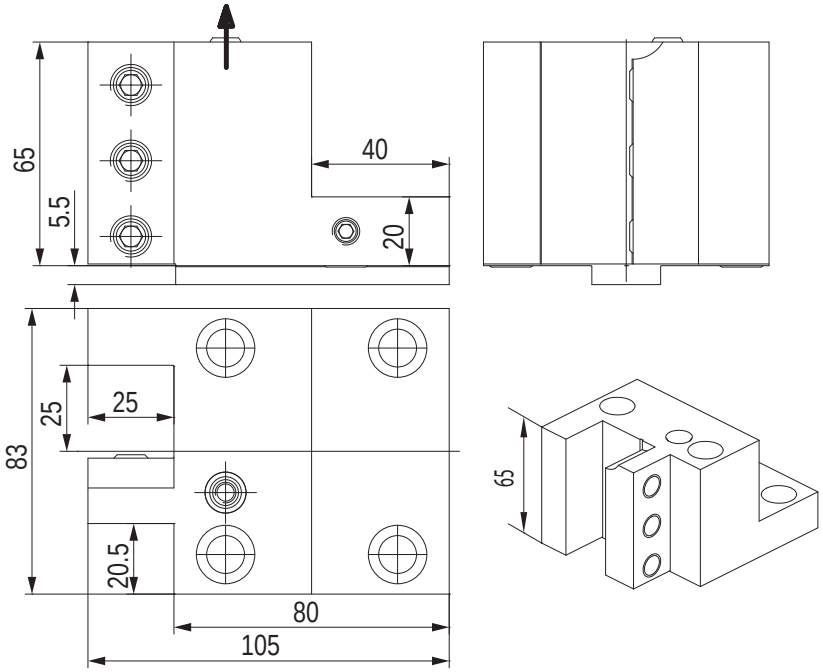


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



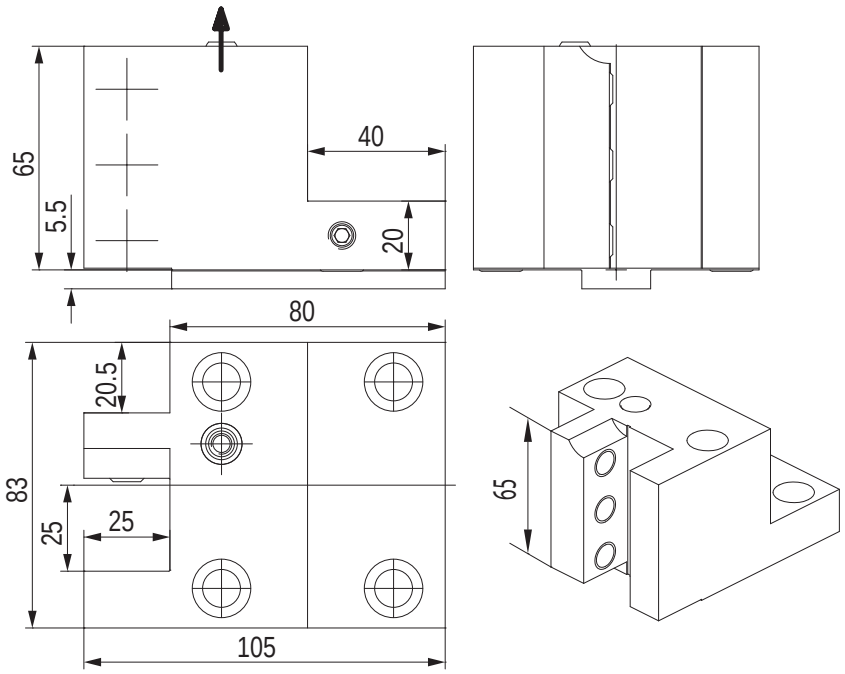
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
			
W1411	811-102038	833-001110	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



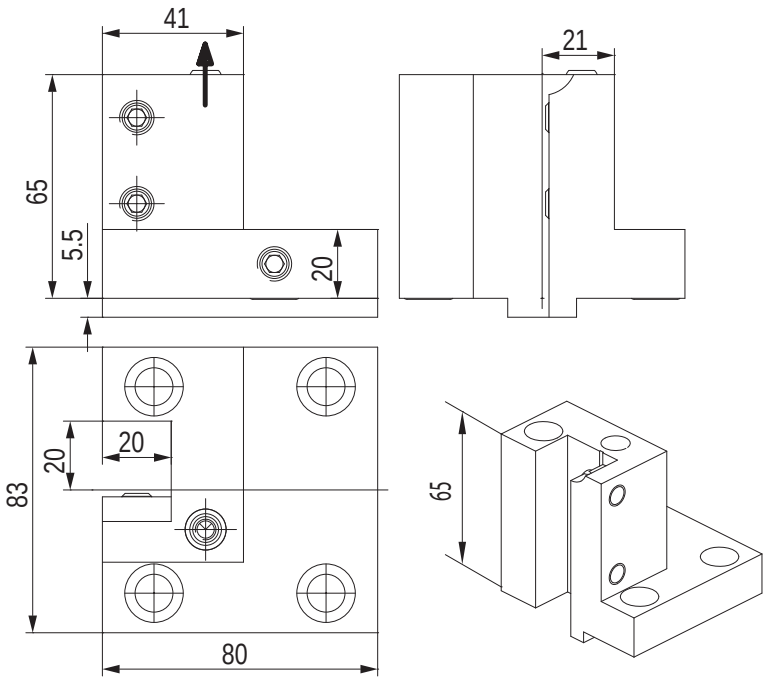
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
Z2413	811-102044	833-001110	823-101015

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



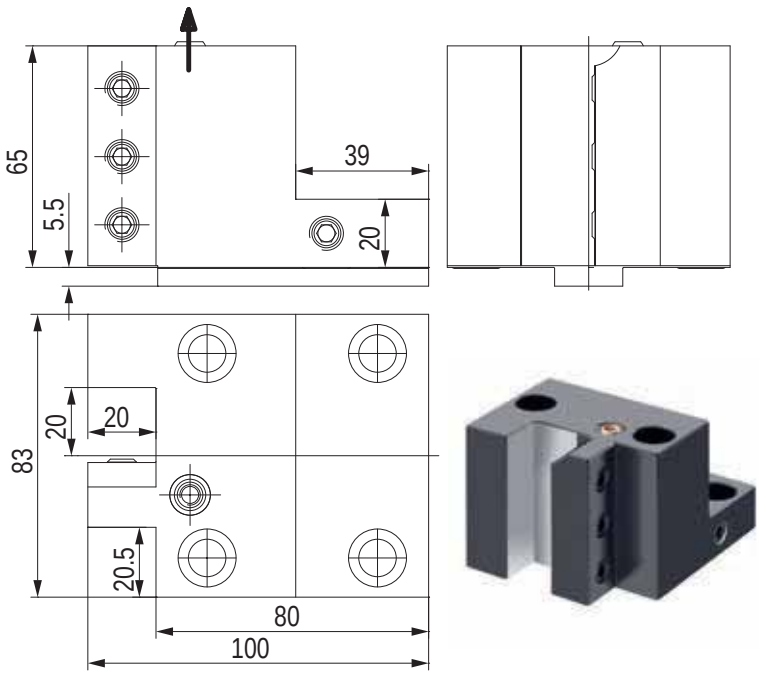
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
Z2414	811-102044	833-001110	823-101015

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



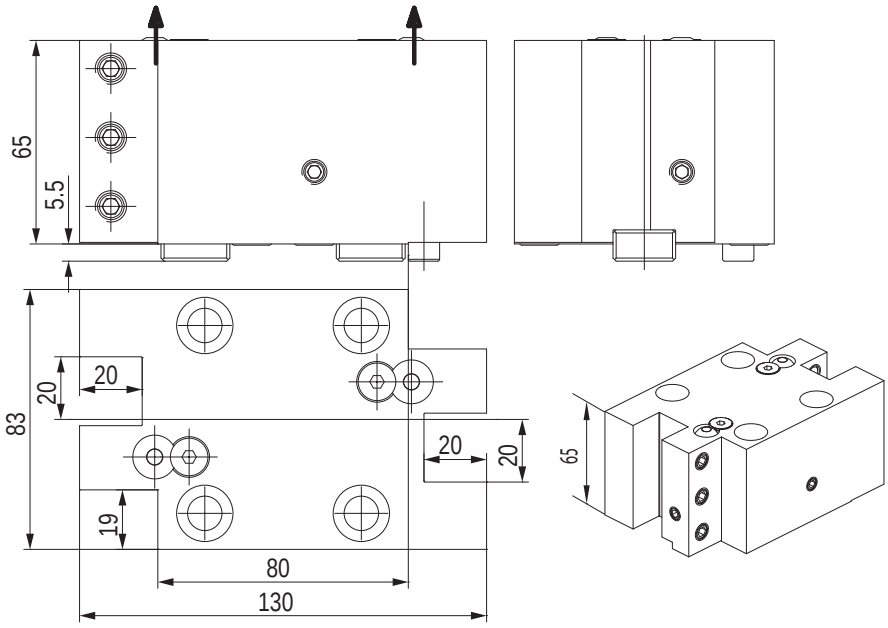
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W1412	811-102038	833-001110	823-101004

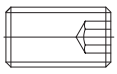
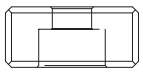
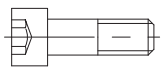
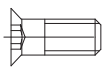
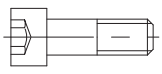
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W1413	811-102038	833-001110	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	STOP SCREW	O RING
							
123-12063	811-102038	814-203270	811-101027	833-001470	811-108018	811-101026	823-101015

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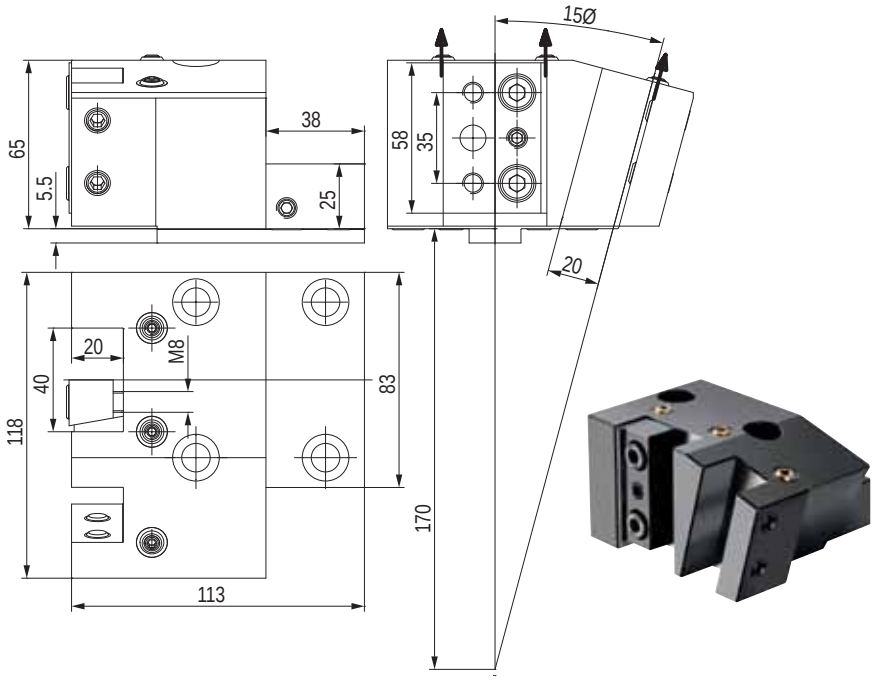
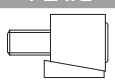
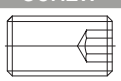
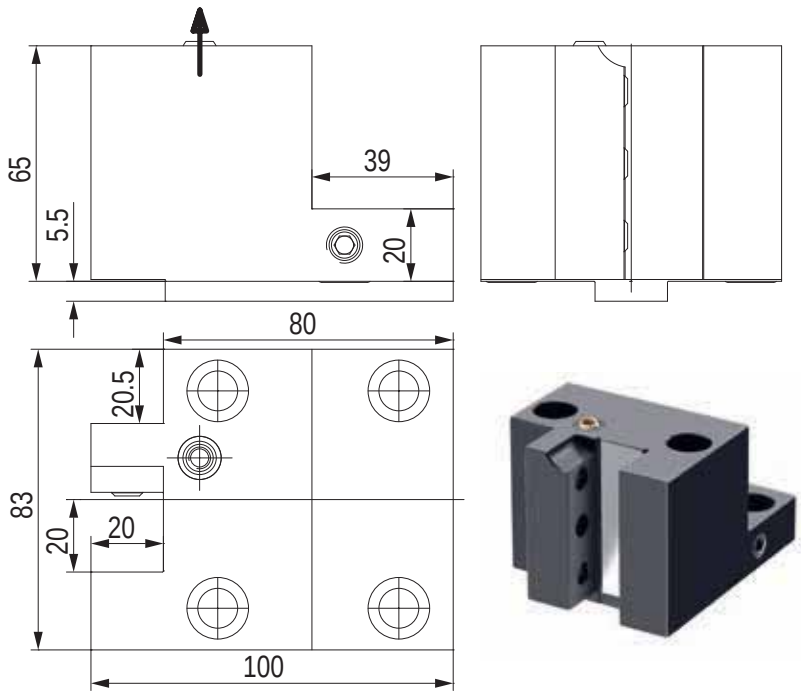
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



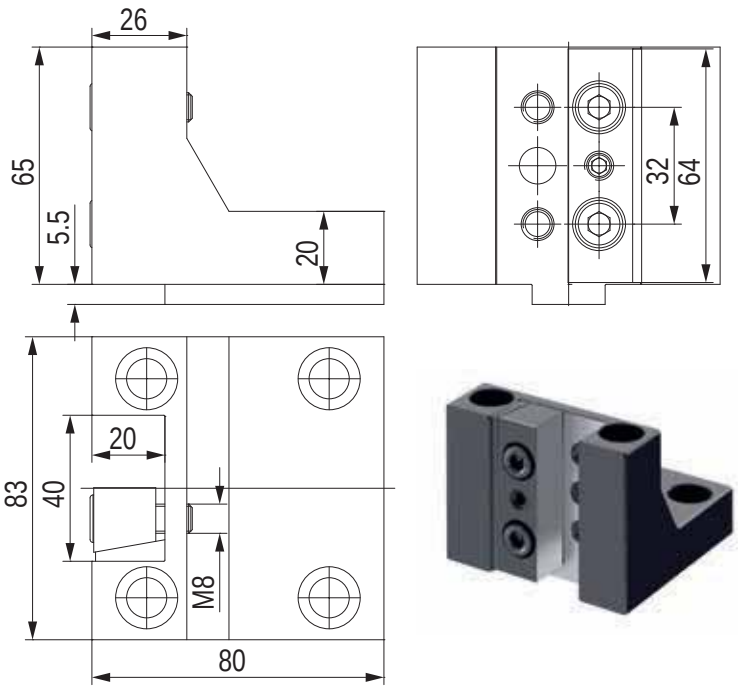
CODE N.	CLAMPING PLATE	CLAMPING SCREW	COOLANT NOZZLE	O RING1 (D9X2)	O RING2 (D6X2)
					
R1452	832-007160	811-102037	833-001110	823-101015	823-101082

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



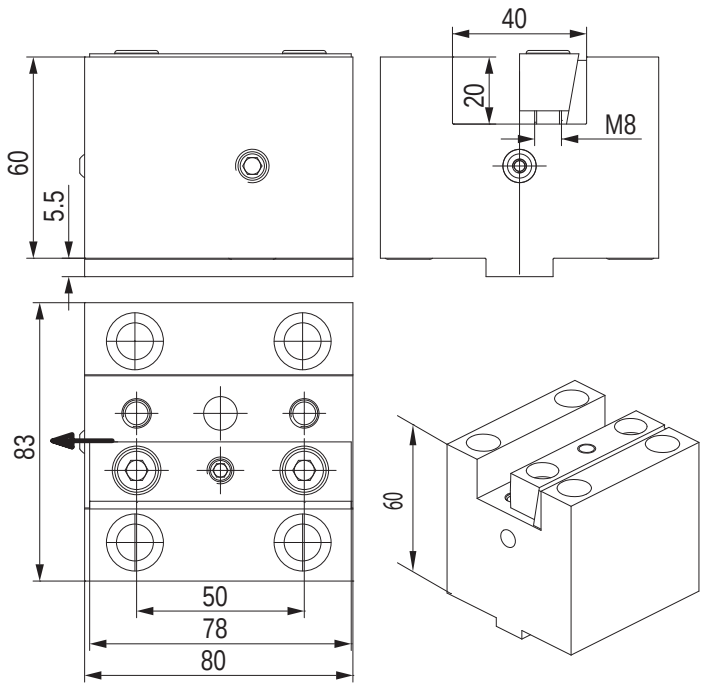
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W1414	811-102038	833-001110	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



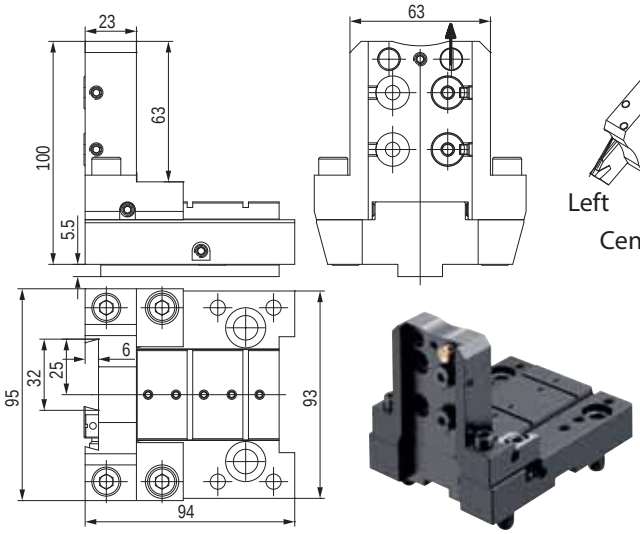
CODE N.	CLAMPING PLATE
W1431/2	832-007380

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	CLAMPING PLATE	COOLANT NOZZLE	O RING
W1415	832-007200	833-001100	823-101004

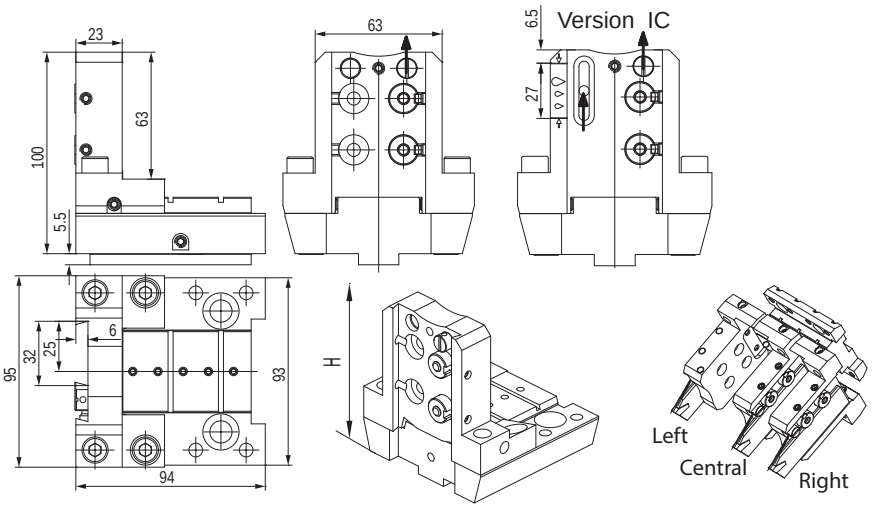
PORTALAMA - CUT-OFF HOLDERS



CODE N.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR COOLANT INTAKE
121-22076	833-001490	823-101058	823-101061	823-101015

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
121-22076	832-014448	811-108037	832-014450	824-300012	811-101028	811-104013

PORTALAMA - CUT-OFF HOLDERS



CODE N.	INTERNAL COOLANT	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR COOLANT INTAKE	O RING FOR INT. COOLANT
121-22076	NO	833-001490	823-101058	823-101061	823-101015	-
121-22076-IC	YES	833-001490	823-101058	823-101061	823-101015	823-201140

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
121-22076	832-014448	811-108037	832-014450	824-300012	811-101028	811-104013
121-22076-IC	832-014448	811-108037	832-014450	824-300012	811-101028	811-104013

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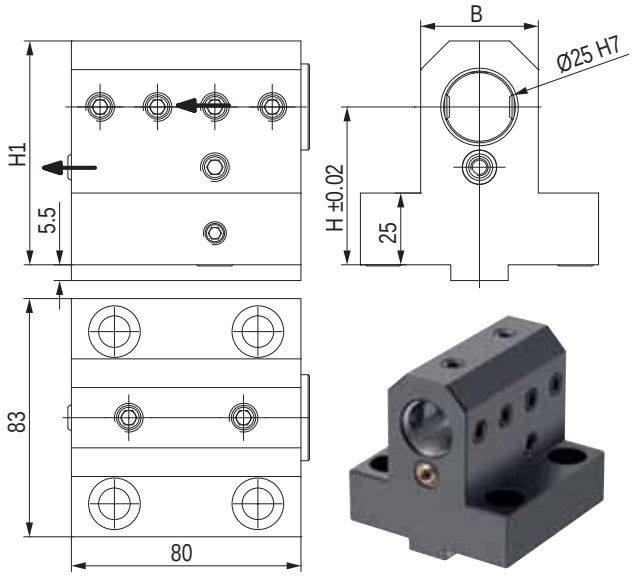
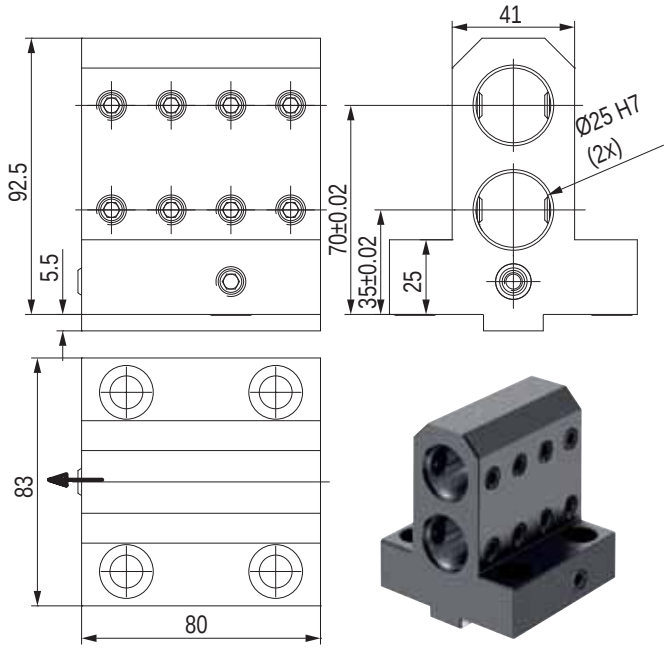
KINTEK®

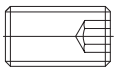
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



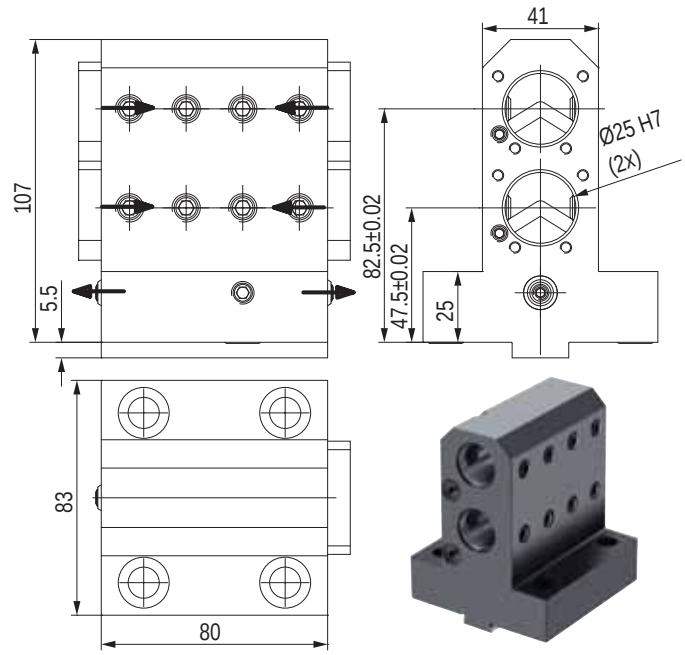
CODE N.	H	H1	B	CLAMPING SCREW1 (M10X10)	CLAMPING SCREW2 (M10X12)	COOLANT NOZZLE	SCREW FOR INTERNAL COOLANT	O RING FOR COOLANT INTAKE	PLUG	O RING FOR PLUG
W1417 D25	55	78	41	811-102035	-	833-001110	811-102038	823-101015	823-301150	823-201140
W4437 D25	75	98	41	811-102035	-	833-001110	811-102038	823-101015	823-301150	823-201140
G1417 D25	85	106.5	50	811-102035	811-102036	833-001110	811-102038	823-101015	823-301150	823-201140

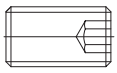
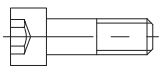
PORTAUTENSILE DOPPIO PER BARENI
DOUBLE TOOLHOLDER FOR BORING BAR



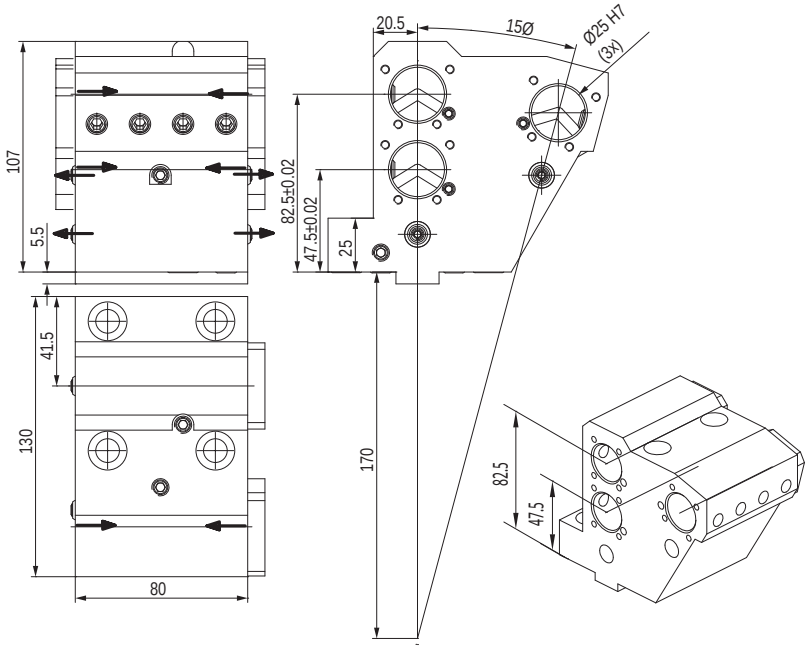
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING FOR COOLANT INTAKE
			
W1418 D25	811-102035	833-001110	823-101004

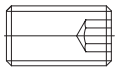
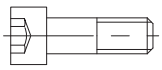
PORTAUTENSILE DOPPIO PER BARENI
DOUBLE TOOLHOLDER FOR BORING BAR



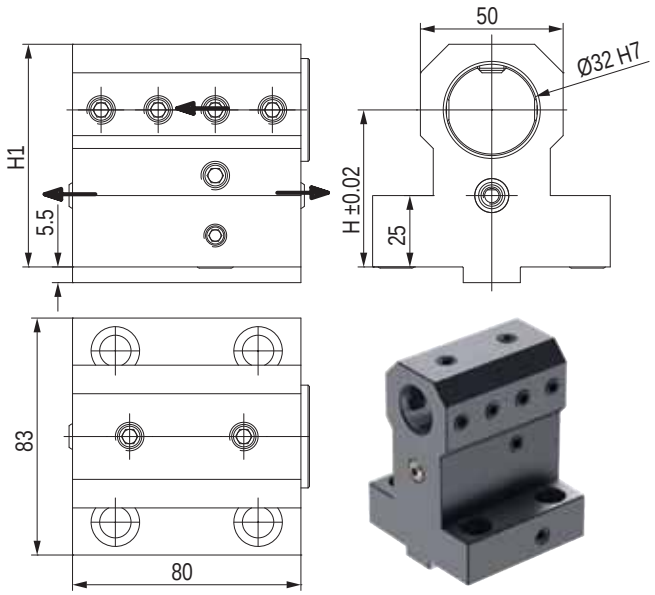
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING FOR COOLANT INTAKE	COVER	SCREW FOR COVER
					
R8418	811-102035	833-001110	823-101015	832-003295	811-101010

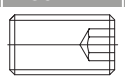
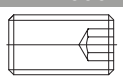
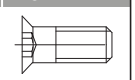
PORTAUTENSILE TRIPLO PER BARENI
TREBLE TOOLHOLDER FOR BORING BAR



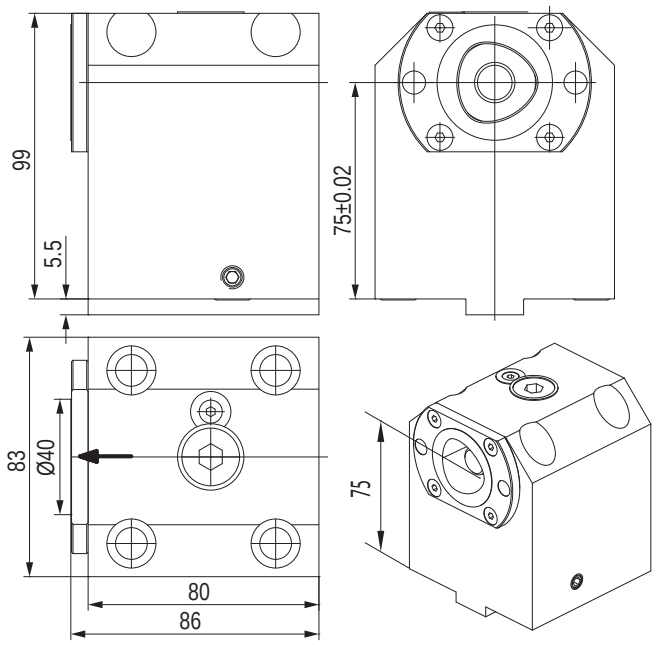
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING FOR COOLANT INTAKE1 (D10X2.5)	O RING FOR COOLANT INTAKE2 (D6X2)	COVER	SCREW FOR COVER
						
R8453	811-102035	833-001110	823-101004	823-101082	832-003295	811-101010

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



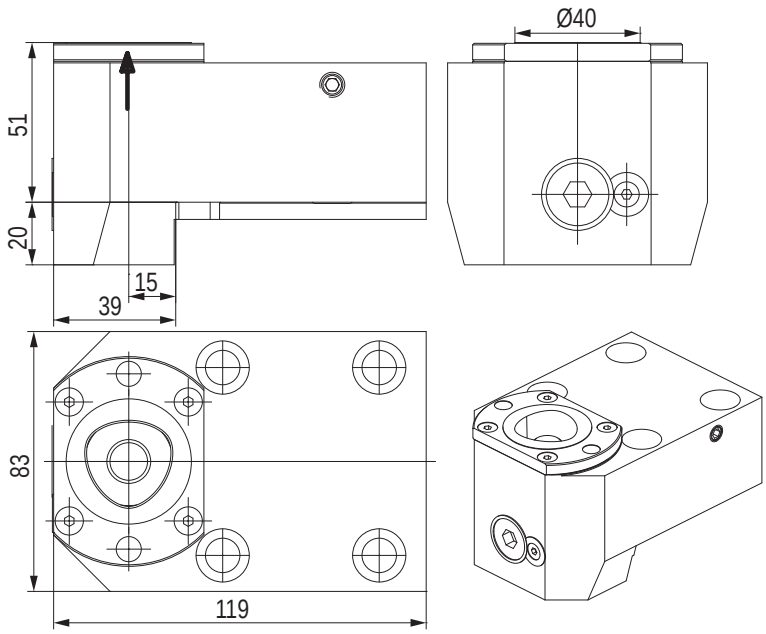
CODE N.	H	H1	CLAMPING SCREW	COOLANT NOZZLE	SCREW FOR INTERNAL COOLANT	O RING FOR COOLANT INTAKE	PLUG	O RING FOR PLUG	STOP PLATE	SCREW FOR PLATE
										
W1417 D32	55	78	811-102035	833-001110	811-102038	823-101015	823-301140	823-201080	-	-
Z2417 D32	70	96.5	811-102035	833-001110	811-102038	823-101015	823-301140	823-201080	-	-
Z7417 D32	80	106.5	811-102035	833-001110	811-102038	823-101015	823-301140	823-201080	832-003349	811-108029

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



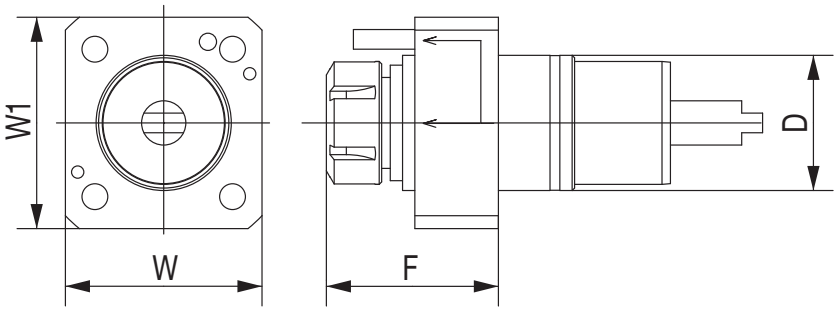
CODE N.	CAPTO	CLAMPING UNIT	O RING FOR COOLANT INTAKE
121-22098	C40	CXC40-10	823-101015

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



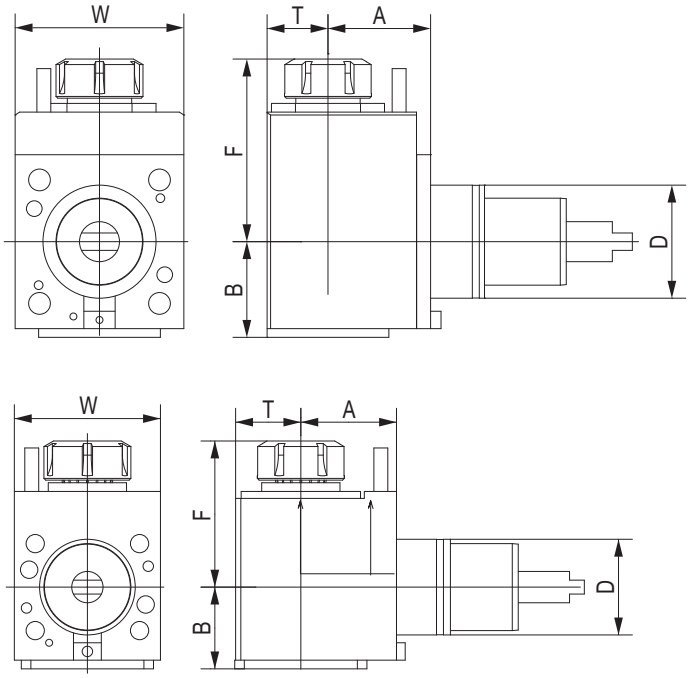
CODE N.	CAPTO	CLAMPING UNIT	O RING FOR COOLANT INTAKE
121-22099	C40	CXC40-10	823-101015

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



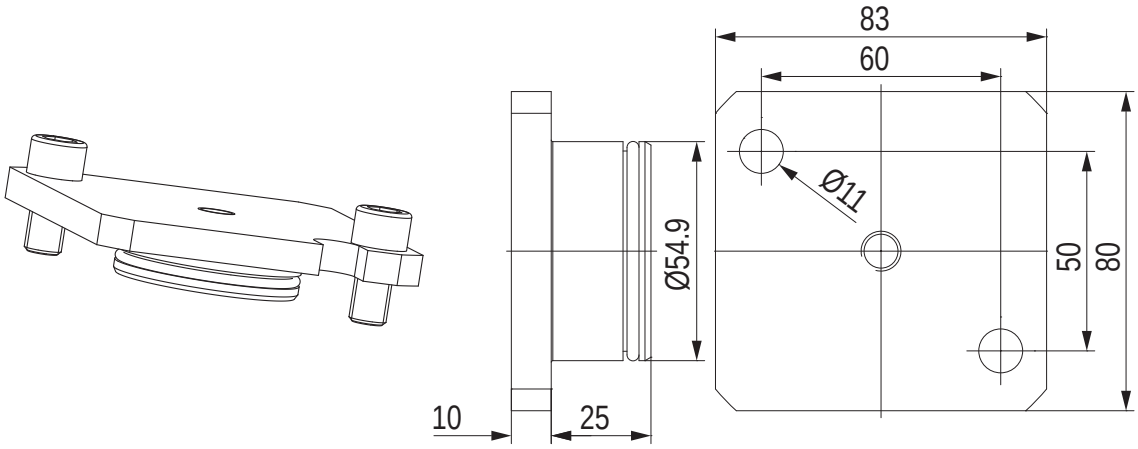
CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-05507	55	ER25	no	78	80	86	50	6000	1:1	-
124-05508	55	ER25	yes	78	80	86	50	6000	1:1	20

PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



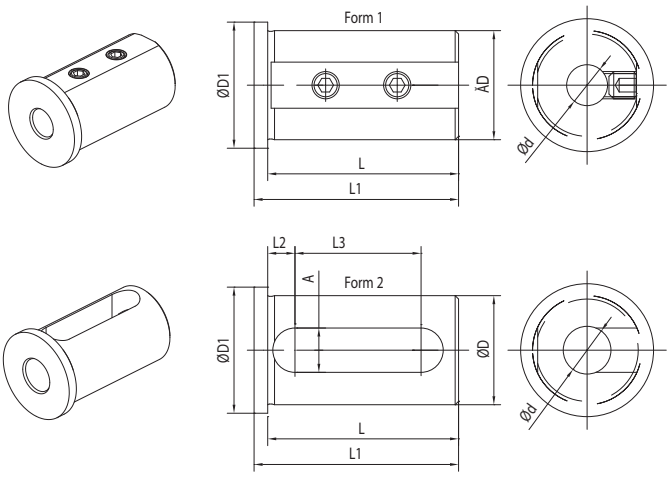
CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-05509	55	ER25	no	right/left	55	50,3	74,8	35	84	28	6000	1:1	-
124-05510	55	ER25	yes	right/left	55	50,3	74,8	35	84	28	6000	1:1	20
124-05517	55	ER25	yes	right/left	55	50,3	74,8	35	84	28	6000	1:1	80

TAPPO DI PROTEZIONE - PROTECTION COVER



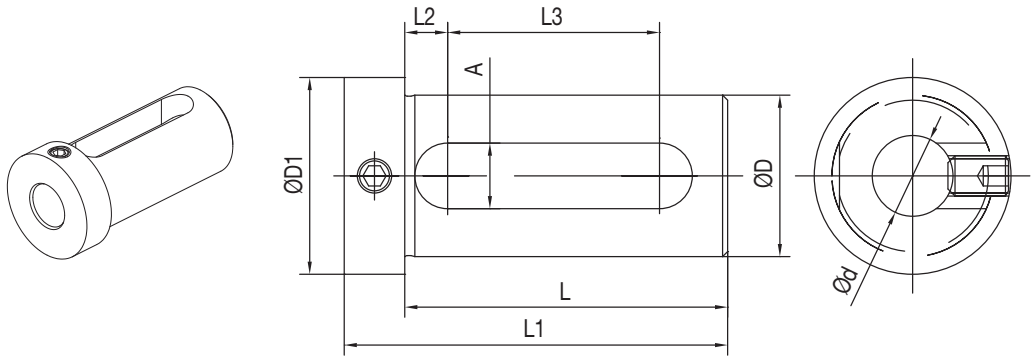
CODE N.	O RING
137-00249	823-101064

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



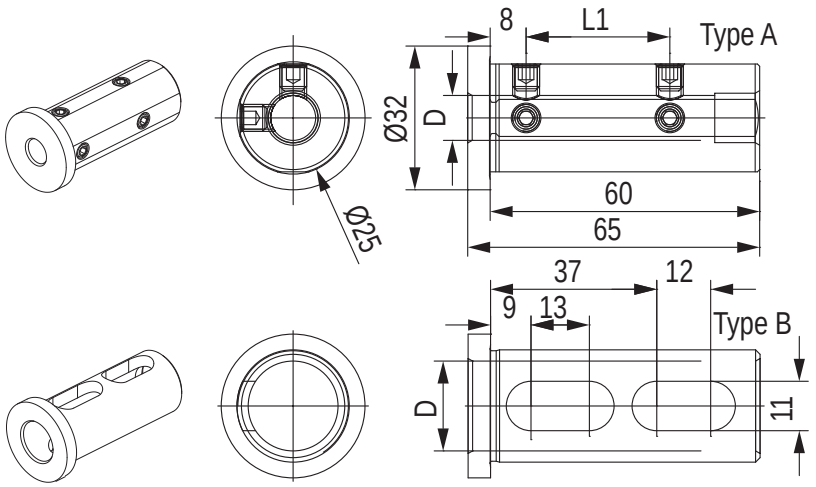
CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37

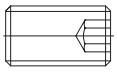
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-62545	25	12	54	66	8,5	32	13	32
165-62547	25	16	54	66	8,5	32	13	32
165-62549	25	20	54	66	8,5	32	13	32
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

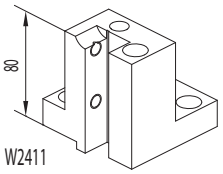
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



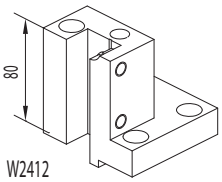
CODE N.	D	L1	TYPE	SCREW
				
115-62573	6	22	A	811-102011
115-62538	8	27	A	811-102018
115-62539	10	32	A	811-102017
115-62540	12	32	A	811-102017
115-62541	16	-	B	-

NAKAMURA TOME (BMT65)

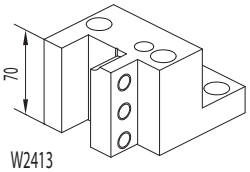
WT300 / SC300 / TW20
TMC-200M / TMC-300M / SUPER NTX
TW20M / MY / MM / MMY / MMYY (12 stations)
TW30M / MY / MM / MMY / MMYY (16 stations)



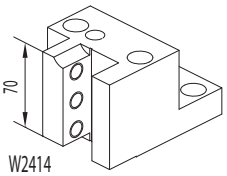
W2411 — Face and O.D. cutting holder 25x25 mm



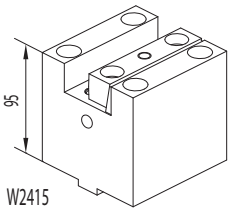
W2412 — Face and O.D. cutting holder 25x25 mm



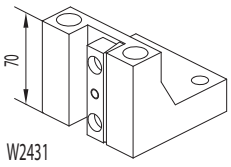
W2413 — Face and O.D. cutting holder 25x25 mm



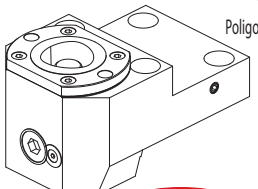
W2414 — Face and O.D. cutting holder 25x25 mm



W2415 — Face and I.D. cutting holder 25x25 mm



W2431 — Face and O.D. cutting holder 20x20 mm

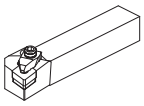


121-22102 — Face and O.D. cutting holder Poligonal C50 — NEWS

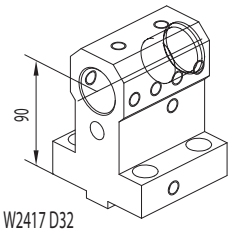
FAST-IN

124-06504
124-06505 i.Coolant

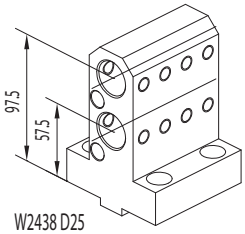
124-06506
124-06507 i.Coolant
124-06523 i.Coolant 80 BAR



Qualified tool

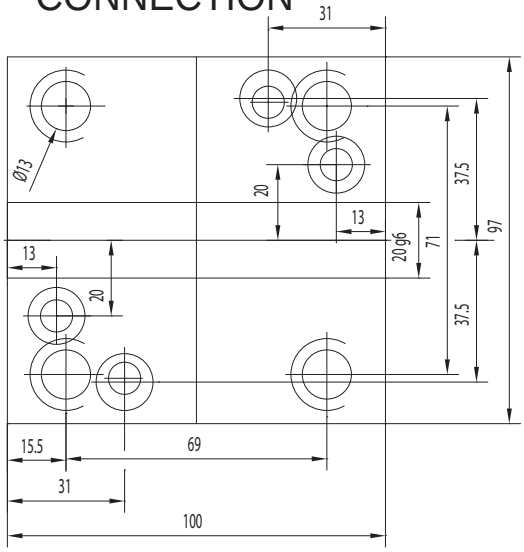


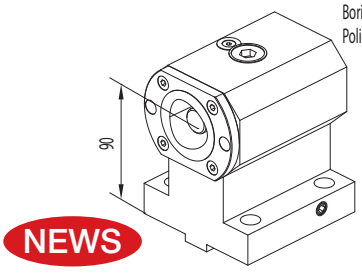
W2417 D32 — Combi toolholder for boring bar and insertdrill Ø32 mm



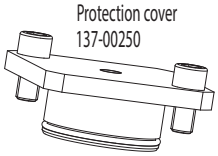
W2438 D25 — Double toolholder for boring bar Ø25 mm

CONNECTION



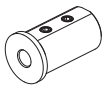


121-22101 — Boring bar holder Poligonal C50 — NEWS



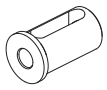
Protection cover 137-00250

ACCESSORIES



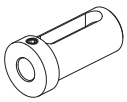
Boring bar sleeve D25
165-62551 (Ø8)
165-62552 (Ø10)
165-62553 (Ø12)

Boring bar sleeve D32
165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)



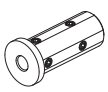
Boring bar sleeve D25
165-62555 (Ø16)

Boring bar sleeve D32
165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)



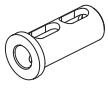
Boring bar sleeve D25
165-62545 (Ø12)
165-62547 (Ø16)
165-62549 (Ø20)

Boring bar sleeve D32
165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)



Boring bar sleeve D25
115-62573 (Ø6)
115-62538 (Ø8)
115-62539 (Ø10)
115-62540 (Ø12)

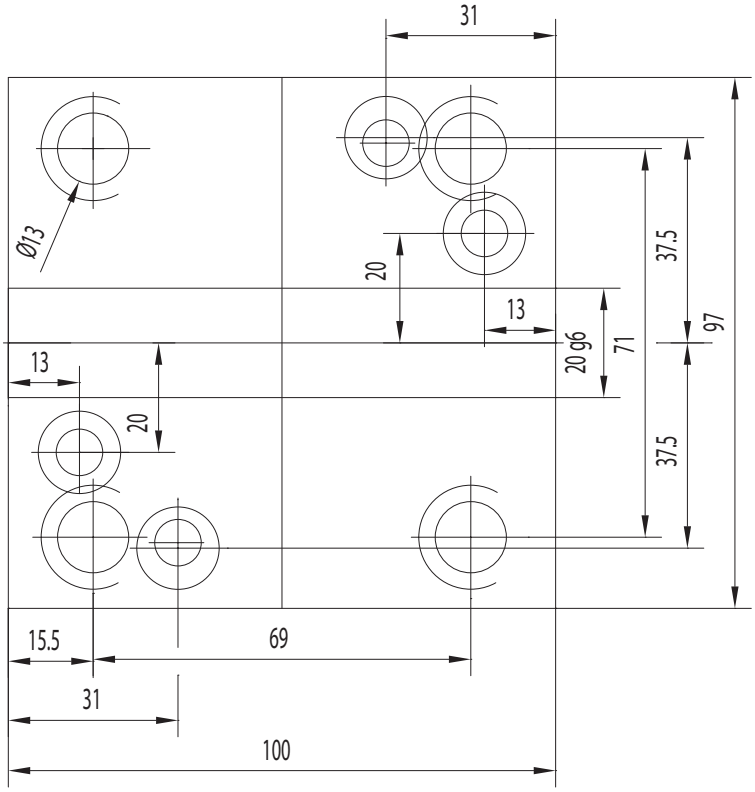
Boring bar sleeve D32
115-63260 (Ø8)
115-63261 (Ø10)
115-63211 (Ø12)
115-63212 (Ø16)
115-63213 (Ø20)



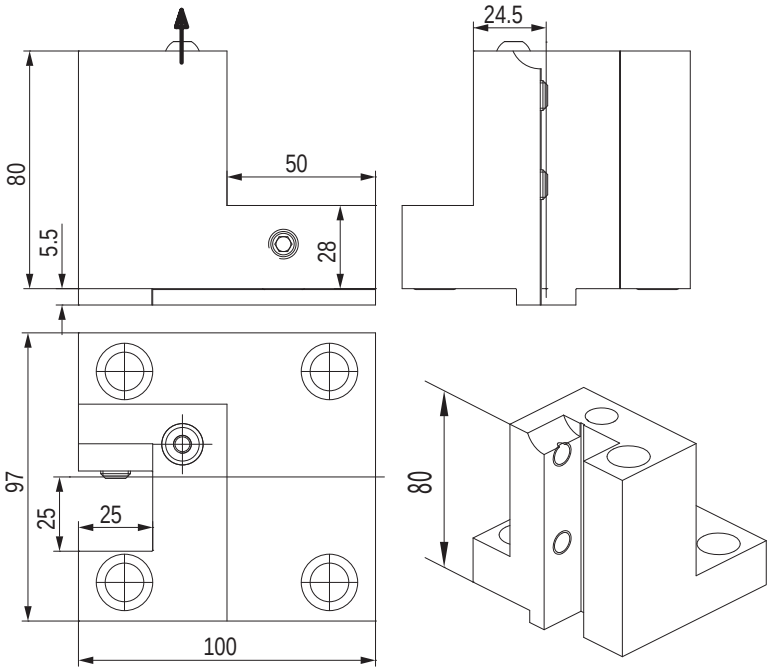
Boring bar sleeve D25
115-62541 (Ø16)

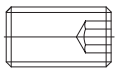
Boring bar sleeve D32
115-63214 (Ø25)

CONNECTION

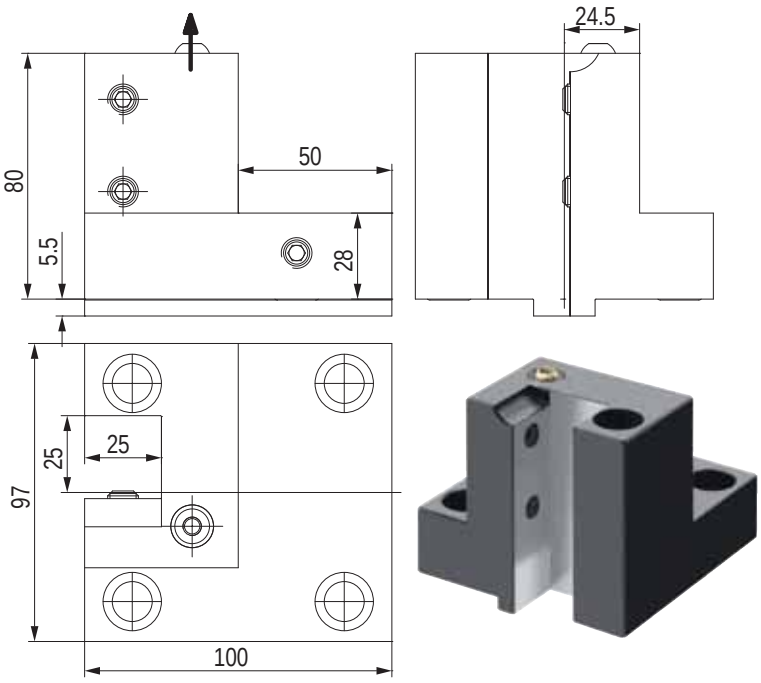


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



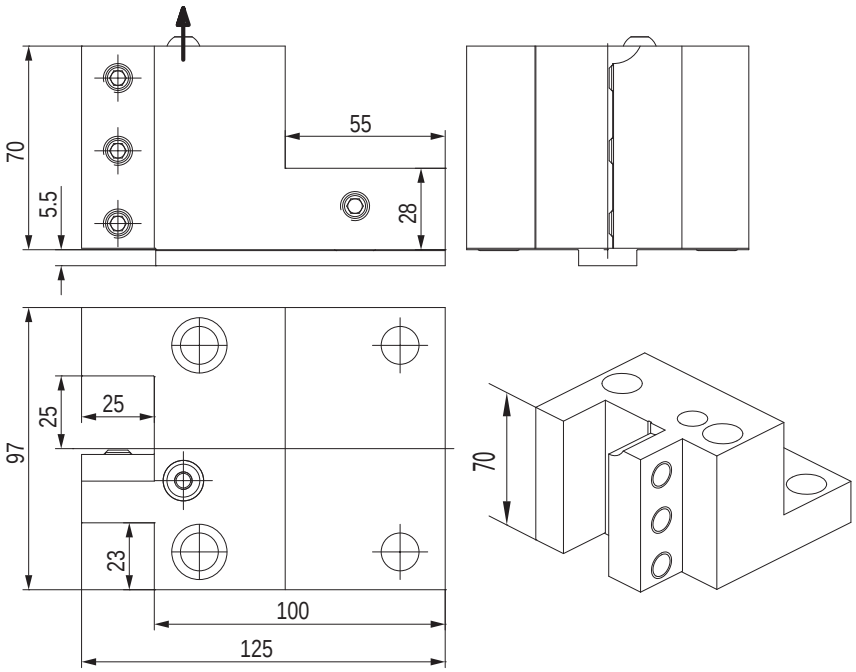
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
			
W2411	811-102039	833-001120	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



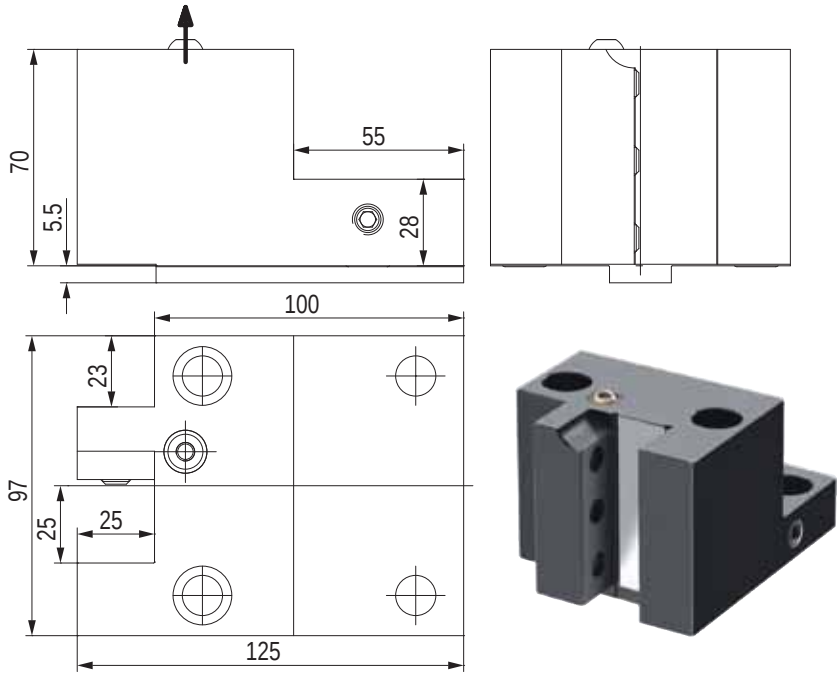
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W2412	811-102039	833-001120	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



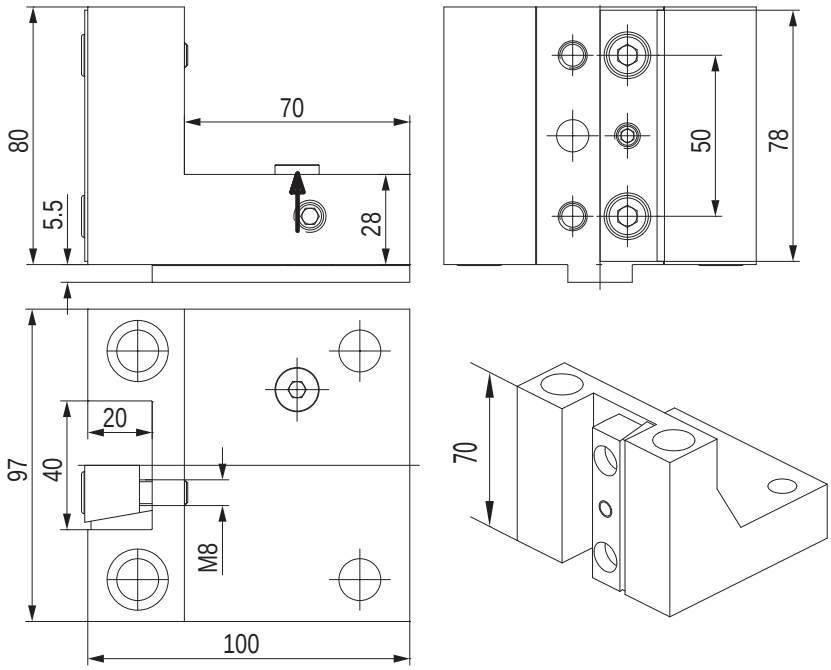
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W2413	811-102039	833-001120	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



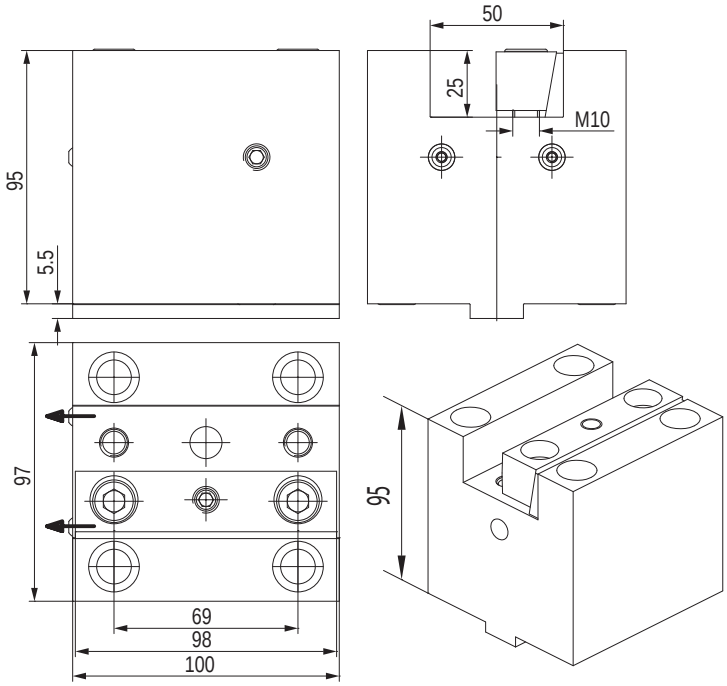
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W2414	811-102039	833-001120	823-101004

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



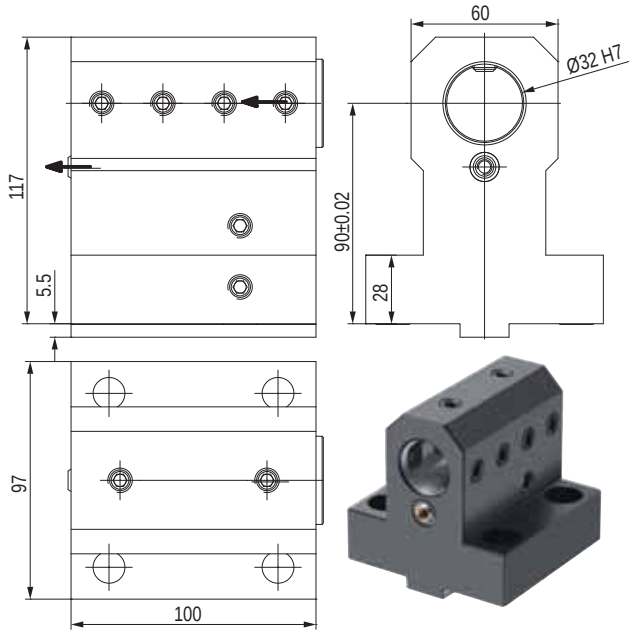
CODE N.	CLAMPING PLATE	O RING	SCREW
W2431	832-007200	823-101004	811-302106

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



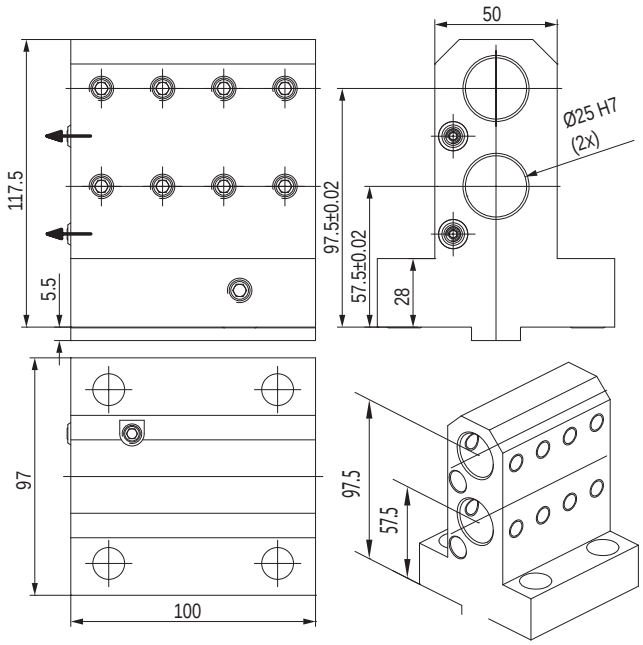
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W2415	832-007220	833-001100	823-101004

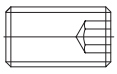
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



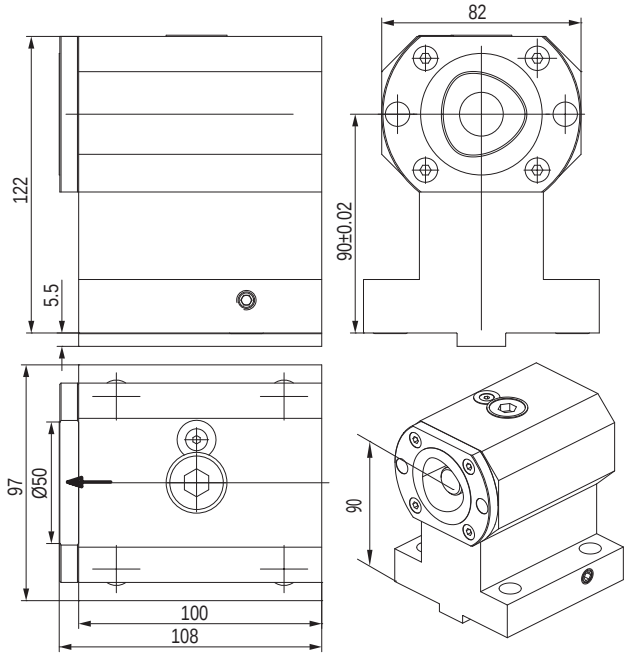
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	SCREW FOR INTERNAL COOLANT	O RING FOR COOLANT INTAKE	PLUG	O RING FOR PLUG
W2417 D32	811-102060	833-001110	811-102038	823-101004	823-301140	823-201080

PORTAUTENSILE DOPPIO PER BARENI
DOUBLE TOOLHOLDER FOR BORING BAR



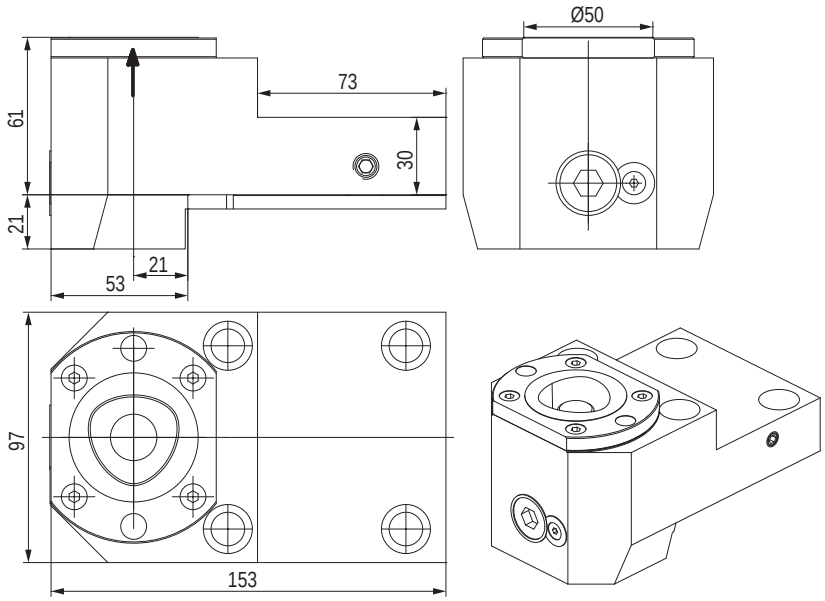
CODE N.	CLAMPING SCREW	COOLANT NOZZLE	O RING FOR COOLANT INTAKE
			
W2438 D25	811-102036	833-001110	823-101004

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



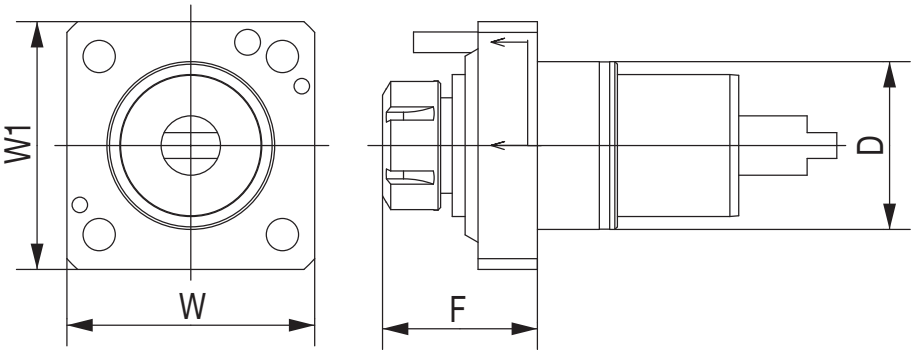
CODE N.	CAPTO	CLAMPING UNIT	O RING FOR COOLANT INTAKE
121-22101	C50	CXC50-10	823-101004

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



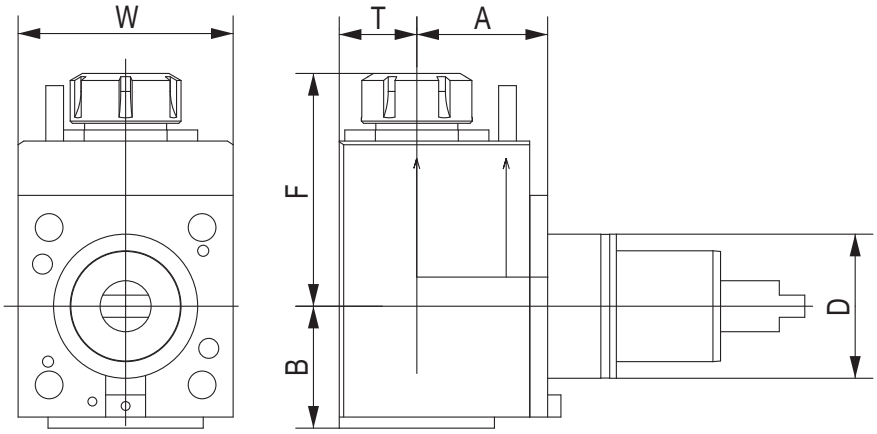
CODE N.	CAPTO	CLAMPING UNIT	O RING FOR COOLANT INTAKE
121-22102	C50	CXC50-10	823-101004

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



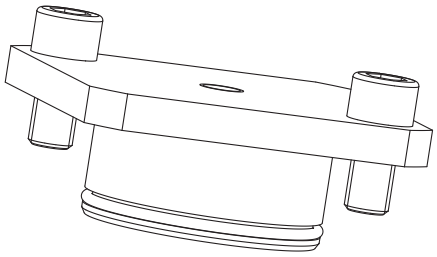
CODE N.	D	ER	INTERNAL COOLING	F	W	W1	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06504	65	ER32	no	75	96	96	70	6000	1:1	-
124-06505	65	ER32	yes	75	96	96	70	6000	1:1	20

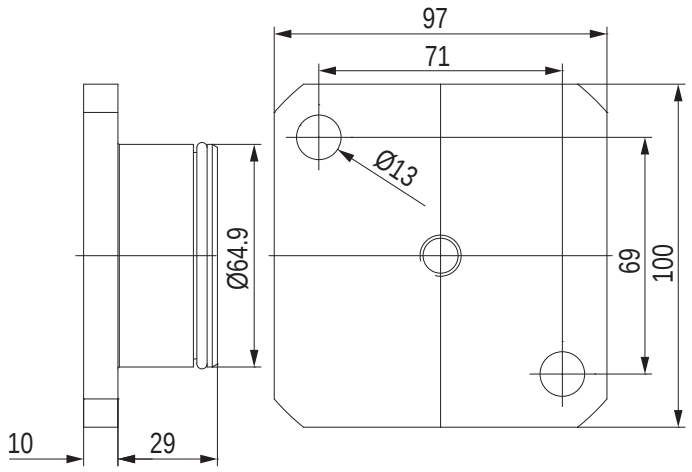
PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



CODE N.	D	ER	INTERNAL COOLING	DI-RECTION	A	B	F	T	W	TORQUE (Nm)	NMAX (Rpm)	RATIO	P (Bar)
124-06506	65	ER32	no	right/left	65	59	110	38	96	70	6000	1:1	-
124-06507	65	ER32	yes	right/left	65	59	110	38	96	70	6000	1:1	20
124-06523	65	ER32	yes	right/left	65	59	110	38	96	70	6000	1:1	80

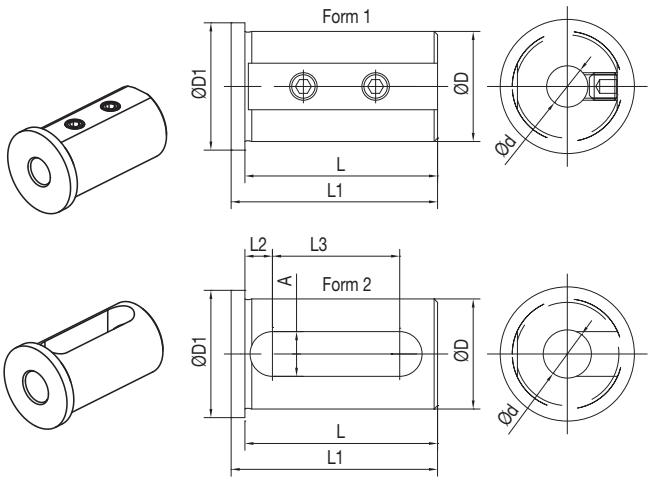
TAPPO DI PROTEZIONE - PROTECTION COVER





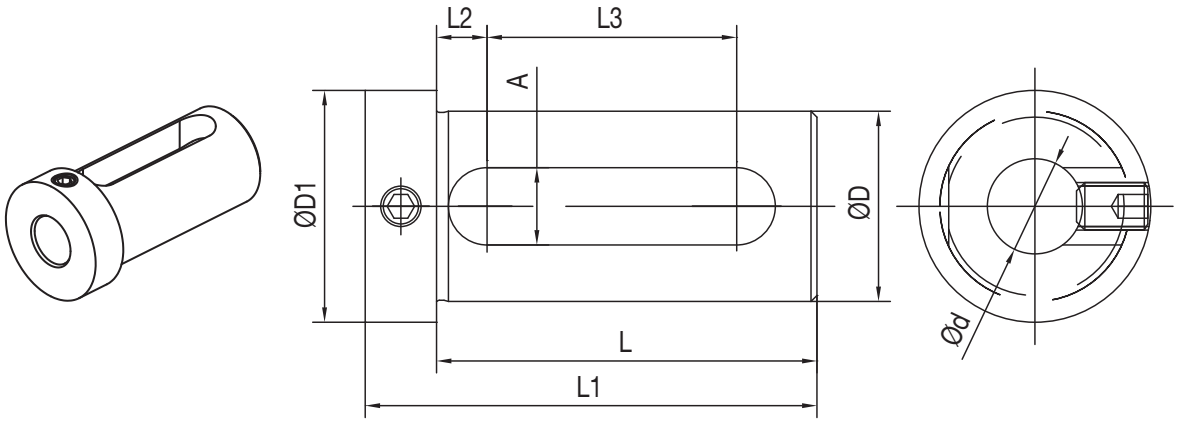
CODE N.	O RING
137-00250	823-101084

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



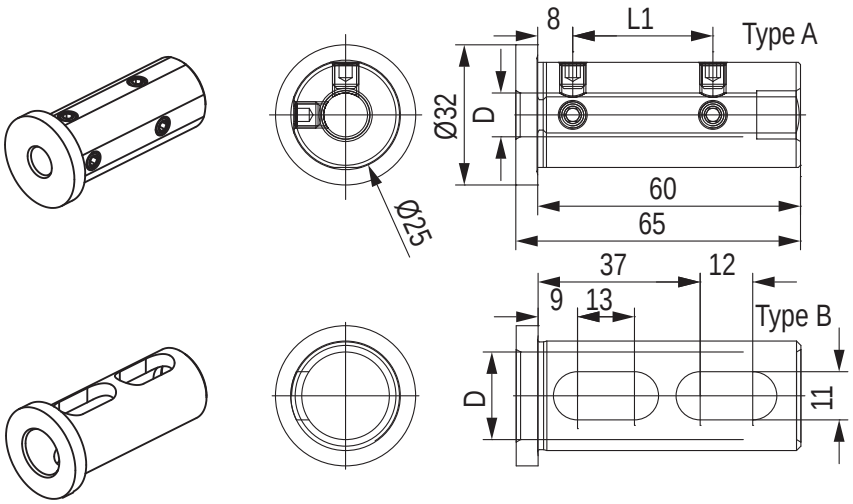
CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37

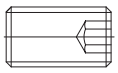
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



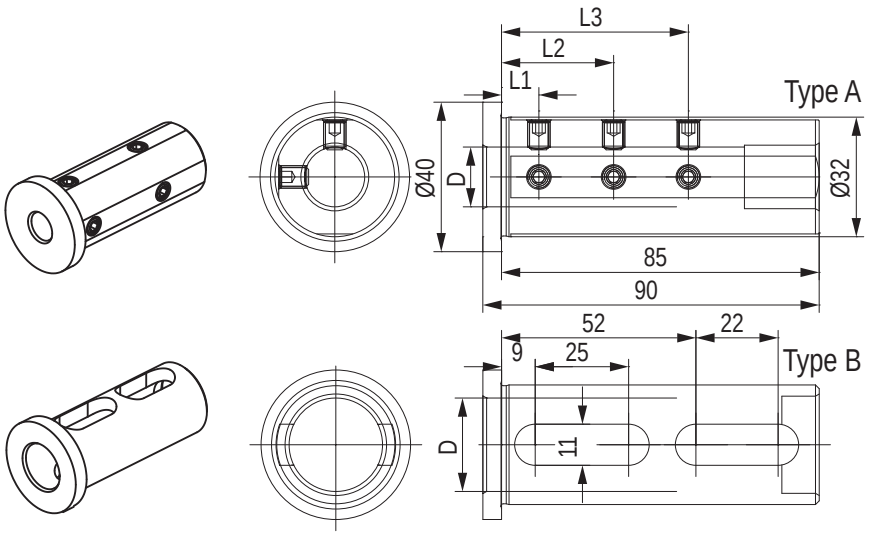
CODE N.	D	d	L	L1	L2	L3	A	D1
165-62545	25	12	54	66	8,5	32	13	32
165-62547	25	16	54	66	8,5	32	13	32
165-62549	25	20	54	66	8,5	32	13	32
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

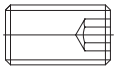
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



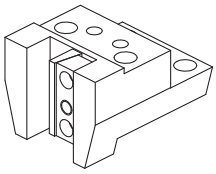
CODE N.	D	L1	TYPE	SCREW
				
115-62573	6	22	A	811-102011
115-62538	8	27	A	811-102018
115-62539	10	32	A	811-102017
115-62540	12	32	A	811-102017
115-62541	16	-	B	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



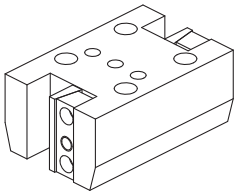
CODE N.	D	L1	L2	L3	TYPE	SCREW
						
115-63260	8	8	35	-	A	811-102019
115-63261	10	8	40	-	A	811-102019
115-63211	12	8	40	-	A	811-102018
115-63212	16	10	30	50	A	811-102018
115-63213	20	10	30	50	A	811-102017
115-63214	25	-	-	-	B	-

DOOSAN PUMA 230M/MS 240M/MS



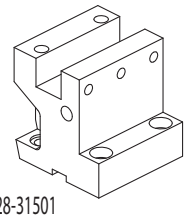
Face and O.D. cutting holder

128-41501



Face and O.D. cutting holder

128-41502

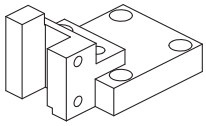


Face and I.D. cutting holder

128-31501

Qualified tool 25x25 mm

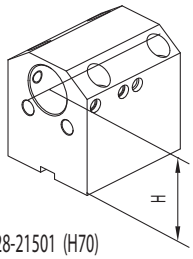
Cut-off holder



128-41503

Cut-off tool 25x25 mm

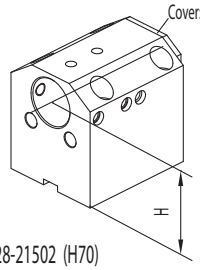
ACCESSORIES



Boring bar holder

Ø40 mm

128-21501 (H70)
128-21521 (H60)

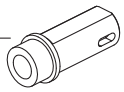


Cover:832-003216

Combi toolholder for boring bar and insertdril with internal coolant

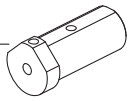
Ø40 mm

128-21502 (H70)
128-21522 (H60)



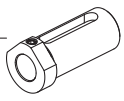
Drill socket

114-34012 <MT1>
114-34013 <MT2>
114-34014 <MT3>



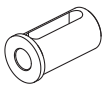
Boring bar sleeve

165-64089 (Ø10)
165-64090 (Ø12)
165-64091 (Ø16)



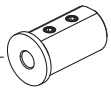
Boring bar sleeve

165-64092 (Ø20)
165-64093 (Ø25)
165-64094 (Ø32)



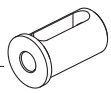
Throw-away drill socket

165-64095 (Ø20)
165-64096 (Ø25)



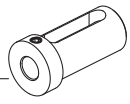
Boring bar sleeve

165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



Boring bar sleeve

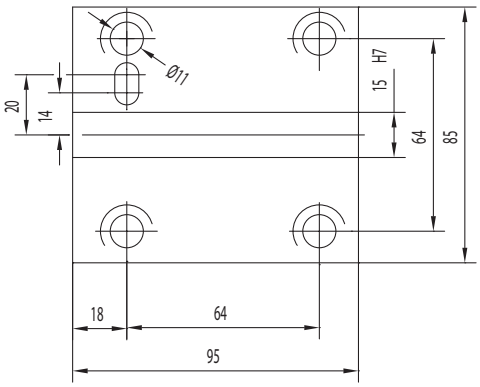
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



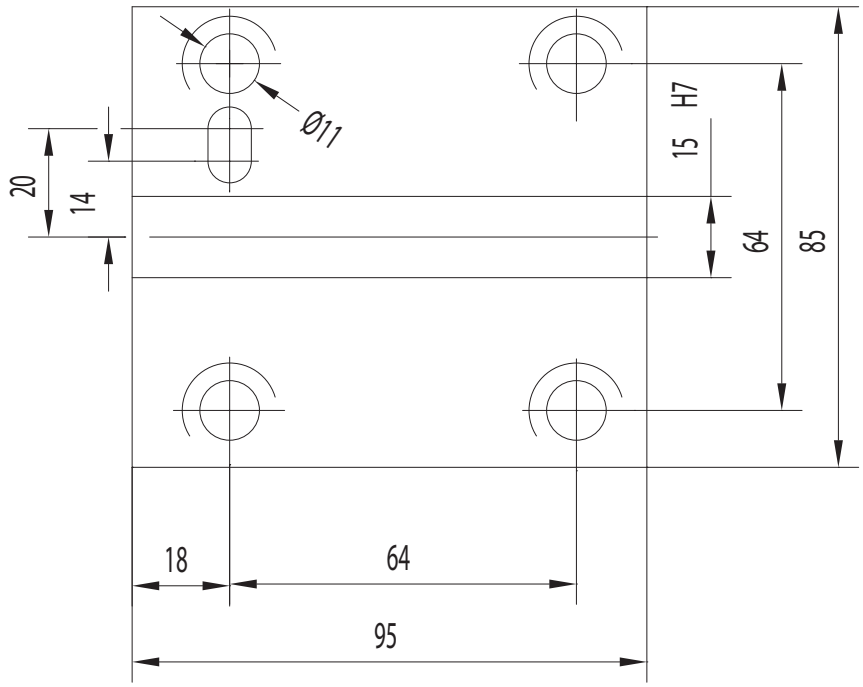
Boring bar sleeve

165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

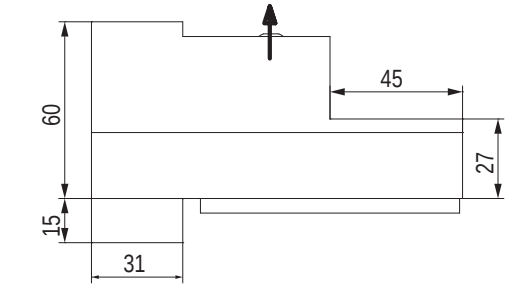
CONNECTION

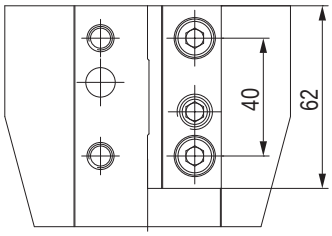


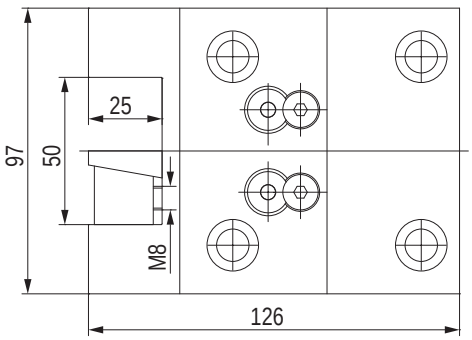
CONNECTION

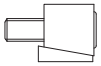
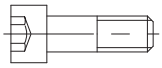
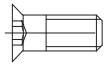


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

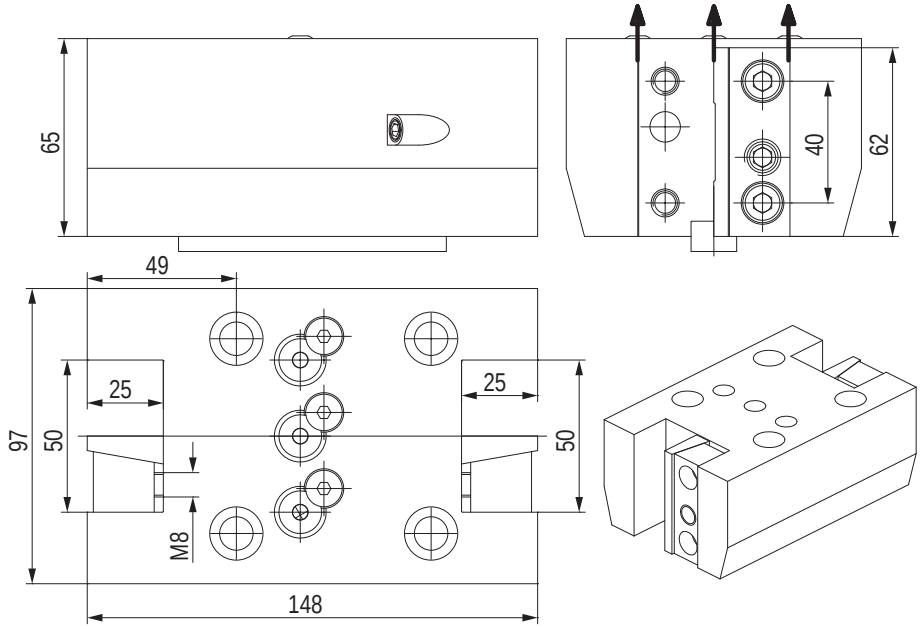


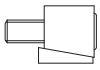
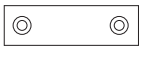
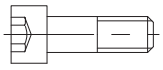
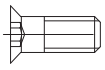




CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-41501	832-018450	814-203230	811-101017	833-001470	811-108018

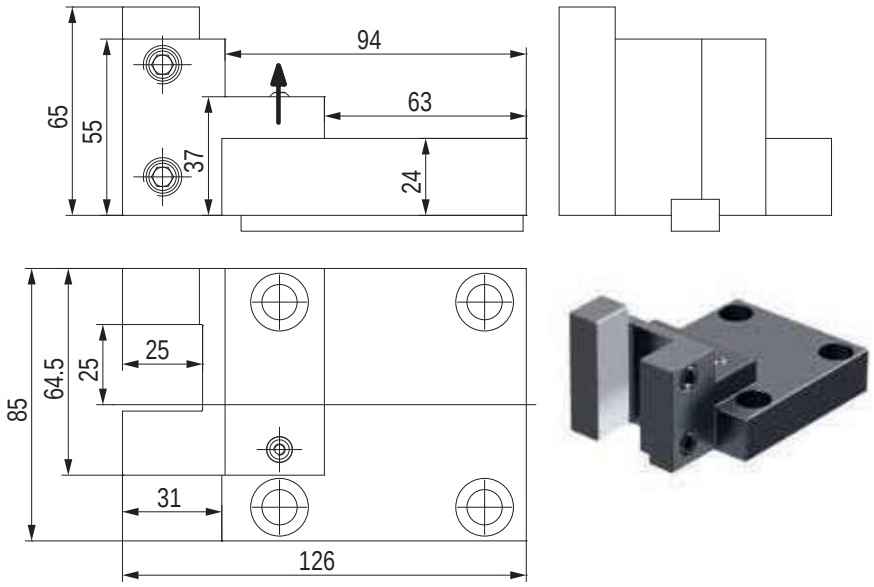
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

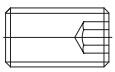
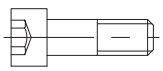
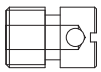


CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-41502	832-018450	814-203230	811-101017	833-001470	811-108018

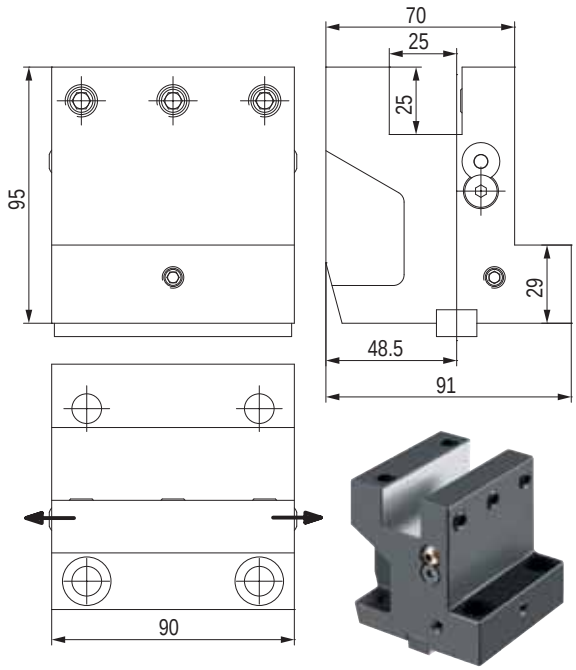
12

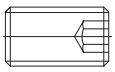
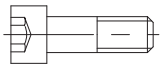
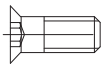
PORTALAMA - CUT-OFF TOOLHOLDERS



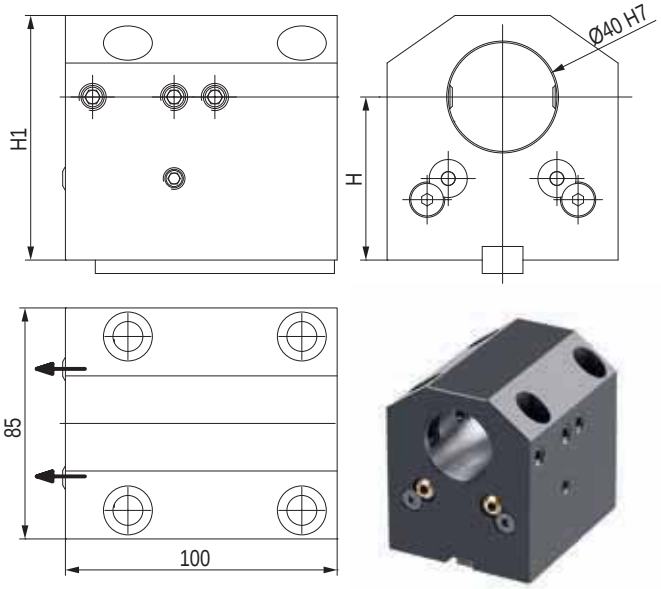
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT NOZZLE
				
128-41503	811-102044	814-203230	811-101017	833-001060

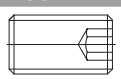
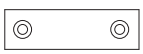
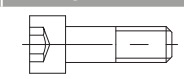
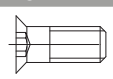
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



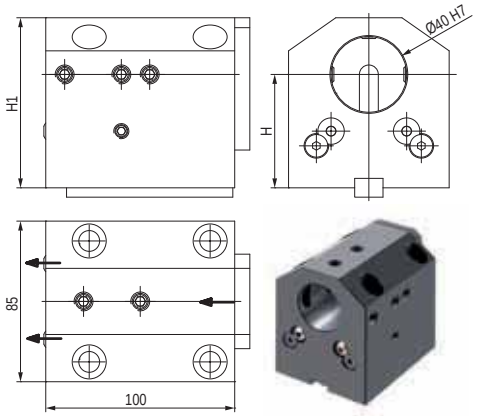
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-31501	811-102044	814-203230	811-101017	833-001470	811-108018

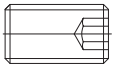
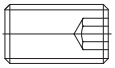
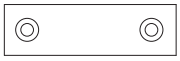
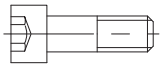
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

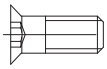
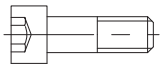


CODE N.	H	H1	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
							
128-21501	70	100	811-102038	814-203230	811-101017	833-001470	811-108018
128-21521	60	90	811-102038	814-203230	811-101017	833-001470	811-108018

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	H	H1	CLAMPING SCREW1 (M10x20)	CLAMPING SCREW2 (M10x10)	KEY	SCREW FOR KEY
						
128-21502	70	100	811-102038	811-102035	814-203230	811-101017
128-21522	60	90	811-102038	811-102035	814-203230	811-101017

CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
				
128-21502	833-001470	811-108018	832-003216	811-101017
128-21522	833-001470	811-108018	832-003216	811-101017

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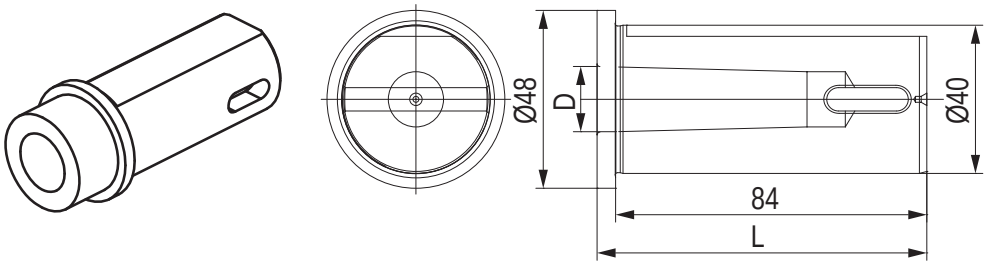
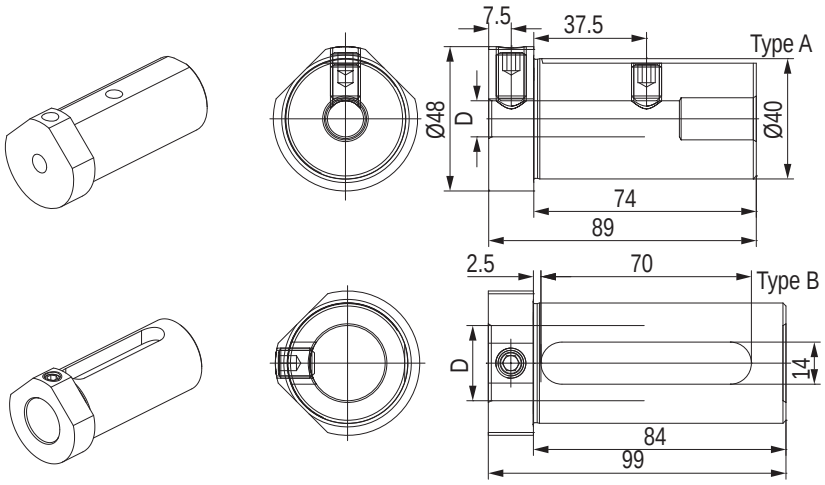
KINTEK

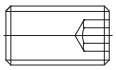
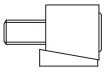
BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



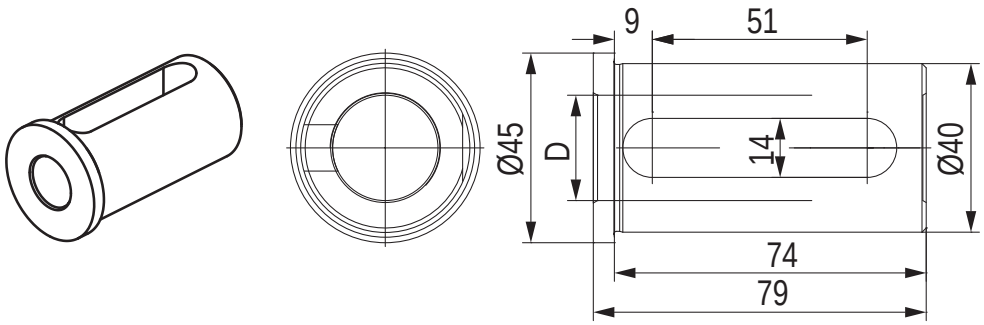
CODE N.	MORSE	D	L
114-34012	1	12,065	89
114-34013	2	17,780	89
114-34014	3	23,825	110

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



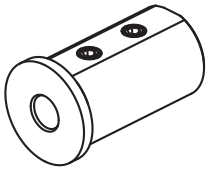
CODE N.	Ø	D	TYPE	SCREW1	SCREW2
					
165-64089	40	10	A	811-102037	811-102036
165-64090	40	12	A	811-102037	811-102036
165-64091	40	16	A	811-102037	811-102035
165-64092	40	20	B	811-102036	-
165-64093	40	25	B	811-102036	-
165-64094	40	32	B	811-102035	-

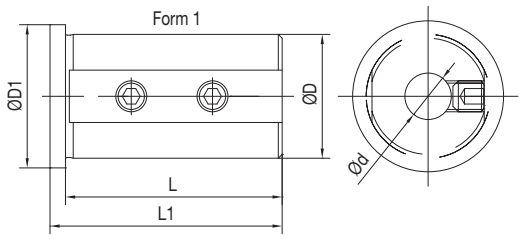
BUSSOLA PER PORTABARENI
THROW-AWAY DRILL SOCKET FOR TOOLHOLDER

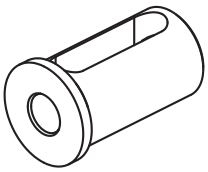


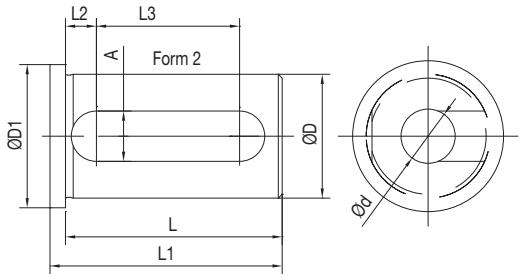
CODE N.	Ø	D
165-64095	40	20
165-64096	40	25

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



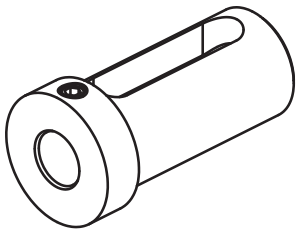


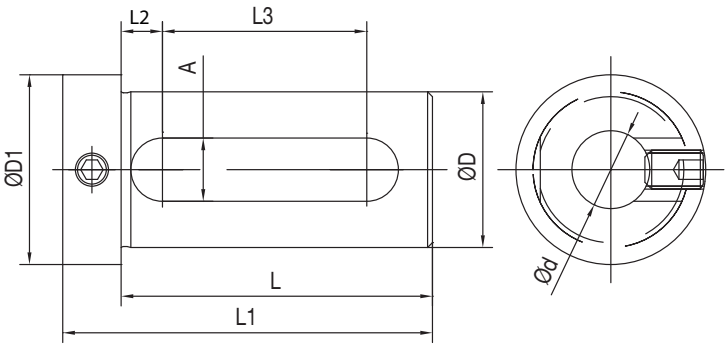




CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

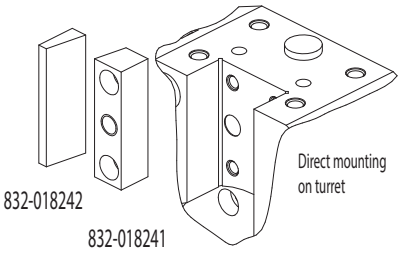




CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

DOOSAN PUMA

230S
240S
LYNX210

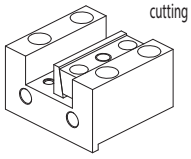


832-018242

832-018241

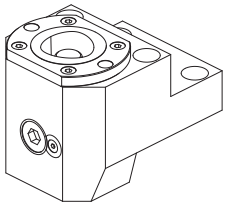
Direct mounting on turret

Qualified tool 25x25 mm



Face and I.D. cutting holder

128-32009

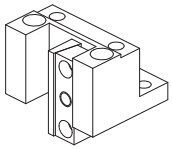


Face and O.D. cutting holder

Poligonal

128-12073 (C40)
128-12063 (C50)

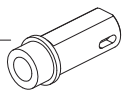
NEWS



Face and O.D. cutting holder

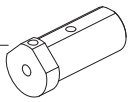
128-42012

ACCESSORIES

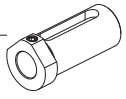


Drill socket
114-34012 <MT1>
114-34013 <MT2>
114-34014 <MT3>

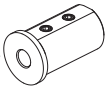
Boring bar sleeve
165-64089 (Ø10)
165-64090 (Ø12)
165-64091 (Ø16)



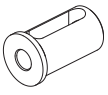
Boring bar sleeve
165-64092 (Ø20)
165-64093 (Ø25)
165-64094 (Ø32)



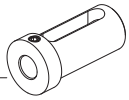
Throw-away drill socket
165-64095 (Ø20)
165-64096 (Ø25)



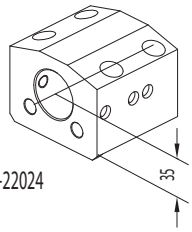
Boring bar sleeve
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



Boring bar sleeve
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



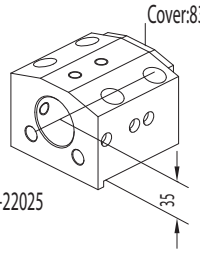
Boring bar sleeve
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)



128-22024

Boring bar holder

Ø40 mm

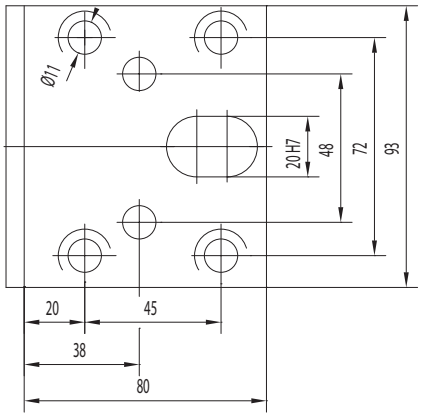


128-22025

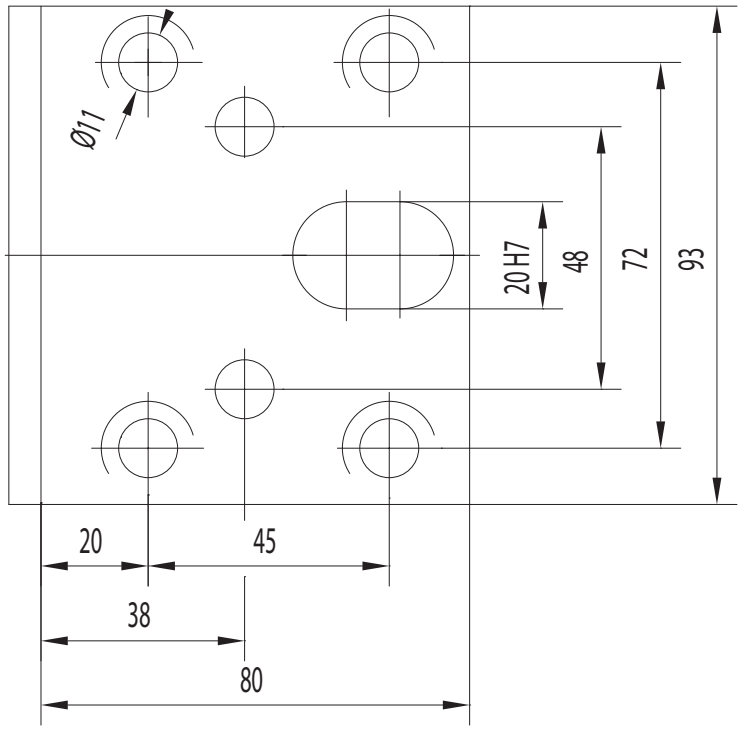
Combi toolholder for boring bar and insertdril with internal coolant

Ø40 mm

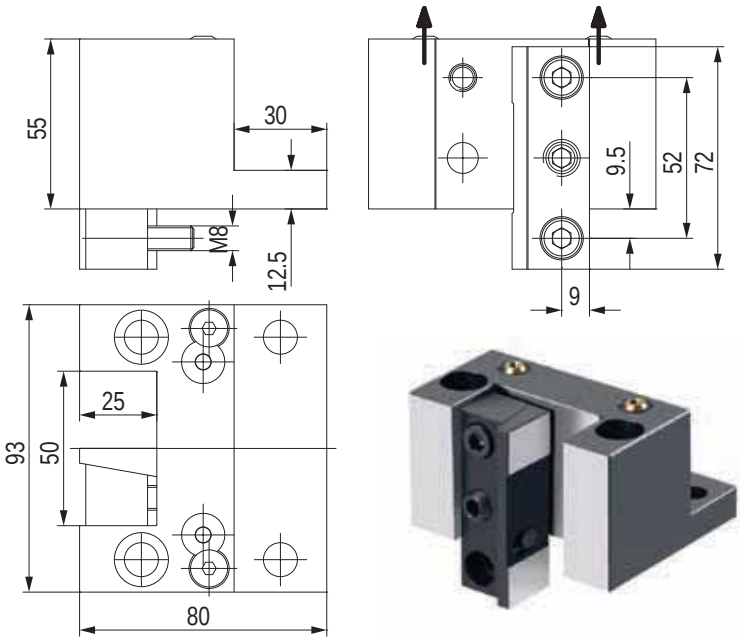
CONNECTION

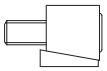
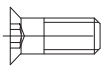


CONNECTION

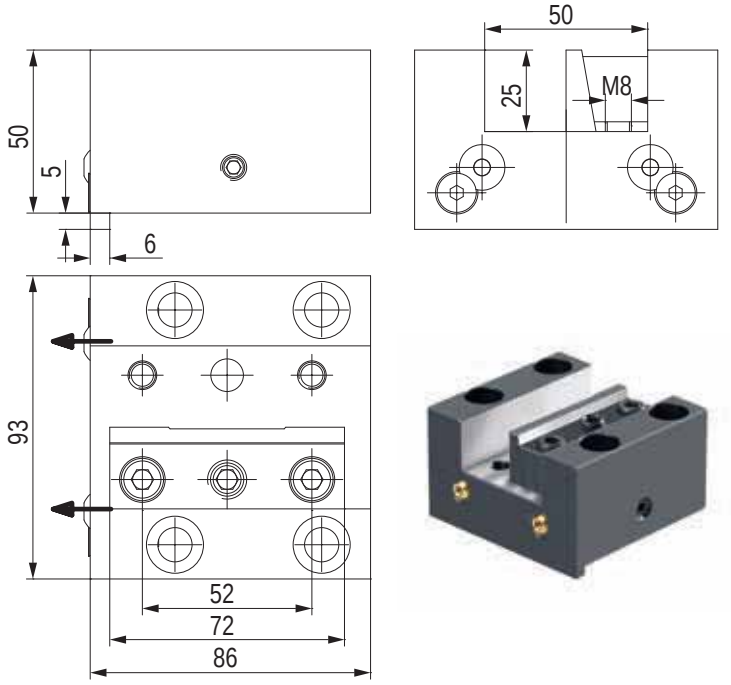


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



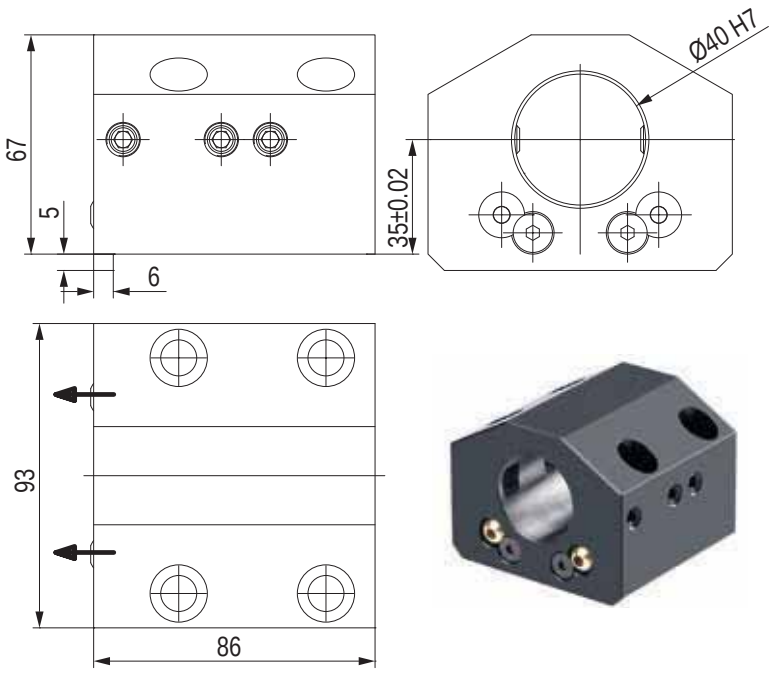
CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
			
128-42012	832-018240	833-001470	811-108018

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



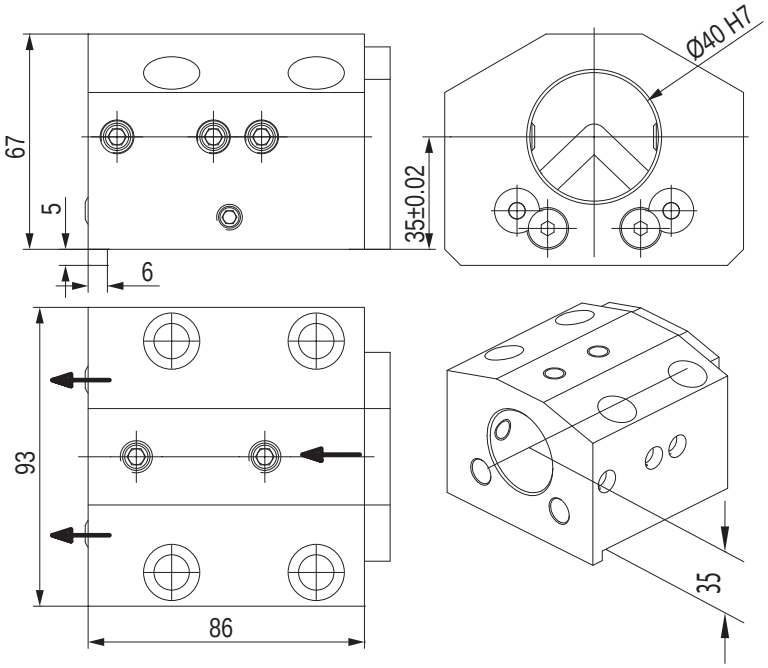
CODE N.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
128-32009	832-018240	833-001470	811-108018

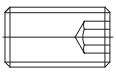
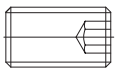
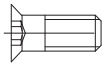
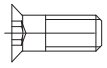
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



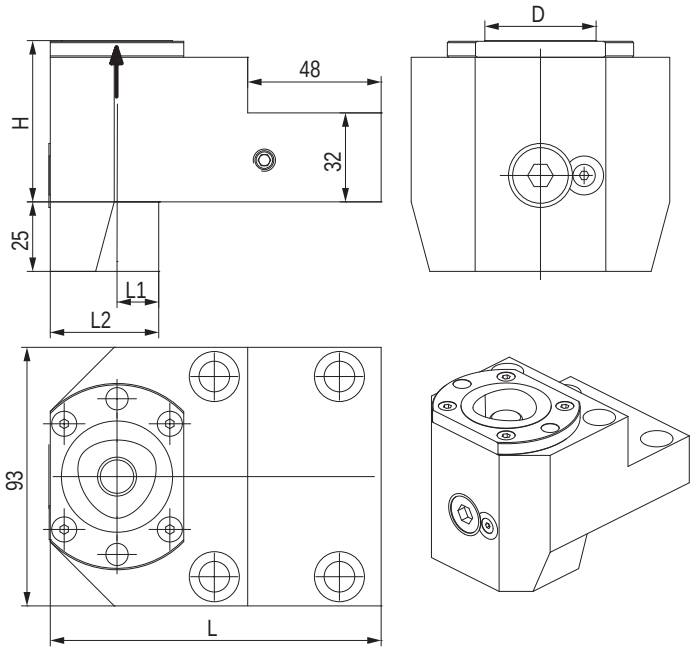
CODE N.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL
128-22024	811-102039	833-001470	811-108018

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



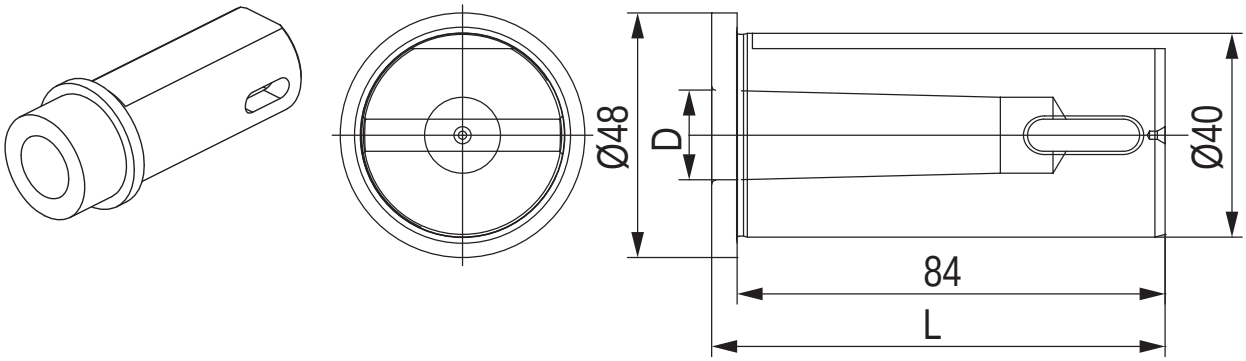
CODE N.	CLAMPING SCREW1 (M10X25)	CLAMPING SCREW2 (M10X12)	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
						
128-22025	811-102039	811-102036	833-001470	811-108018	832-003193	811-108024

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



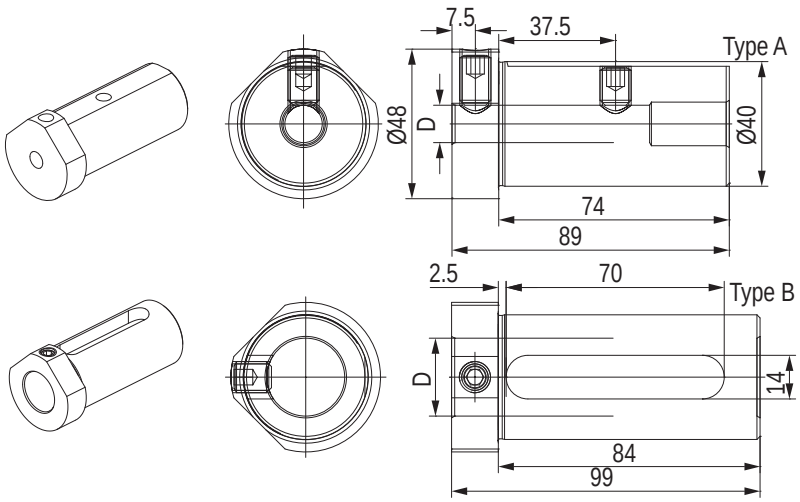
CODE N.	CAPTO	D	H	L	L1	L2	CLAMPING UNIT
128-12073	C40	40	58	119	15	39	CXC40-10
128-12063	C50	50	70	129	17	49	CXC50-10

BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



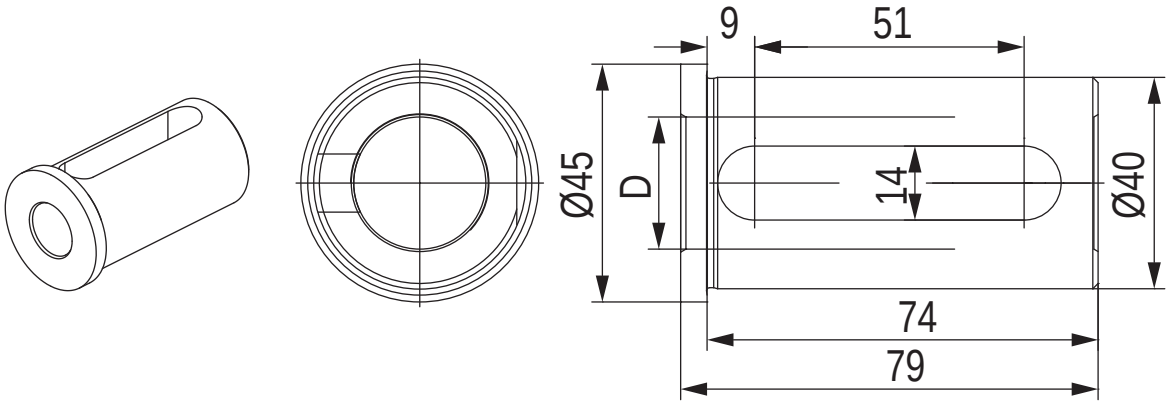
CODE N.	MORSE	D	L
114-34012	1	12,065	89
114-34013	2	17,780	89
114-34014	3	23,825	110

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



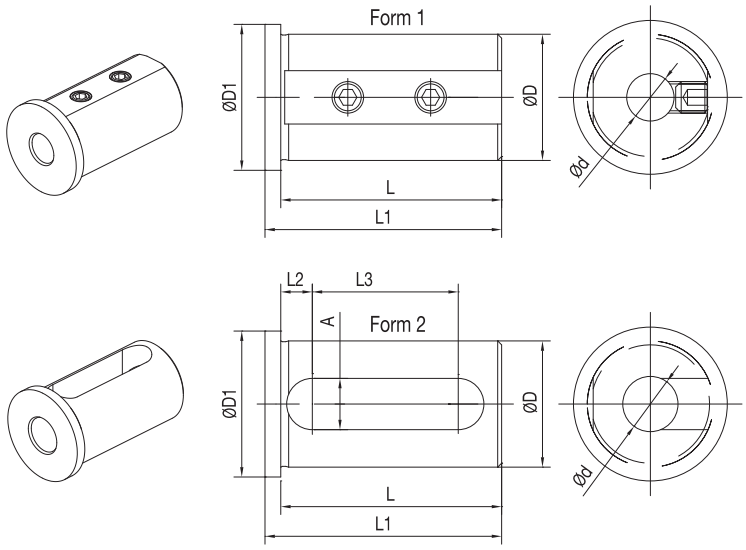
CODE N.	Ø	D	TYPE	SCREW1	SCREW2
165-64089	40	10	A	811-102037	811-102036
165-64090	40	12	A	811-102037	811-102036
165-64091	40	16	A	811-102037	811-102035
165-64092	40	20	B	811-102036	-
165-64093	40	25	B	811-102036	-
165-64094	40	32	B	811-102035	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



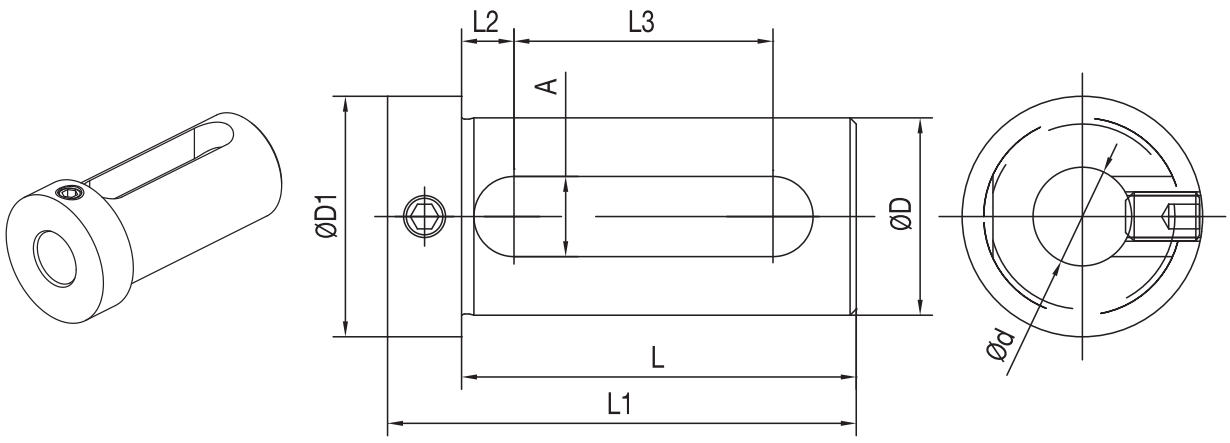
CODE N.	Ø	D
165-64095	40	20
165-64096	40	25

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

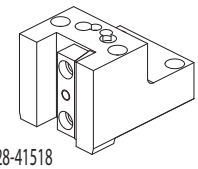


CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

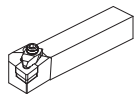
DOOSAN (BMT45)

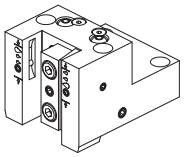
LYNX 2100LYA/LYB (24 POSITION INDEX)
LYNX 2100MA/220 (LMSA,LMSC)
220 (LSYA,LSYC), 220 (M,LM)
LYNX 220 (MA,LMA,MC,LMC)
220 (YA,YC,LYA,LYC)
PUMA MX1600 (T,ST)

HARDINGE BMT45
SMEC PL1600 (M,CM)

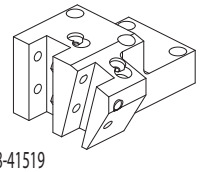

128-41518

Face and O.D. cutting holder

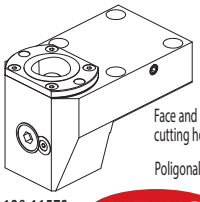

Qualified tool
20x20 mm


128-41518-IC I.Coolant

Face and O.D. cutting holder

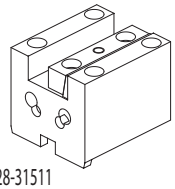

128-41519

Face and O.D. cutting holder

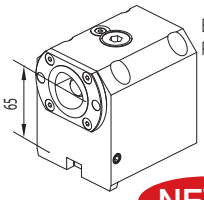

128-11572

Face and O.D. cutting holder
Poligonal C40

NEWS

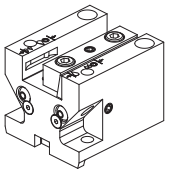

128-31511

Face and O.D. cutting holder


128-11571

Boring bar holder
Poligonal C40

NEWS

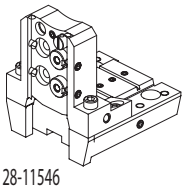

128-31511-IC I.Coolant

Face and O.D. cutting holder

124-04501
124-04502 I.Coolant

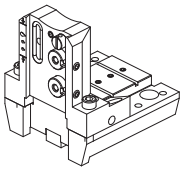
124-04503
124-04504 I.Coolant

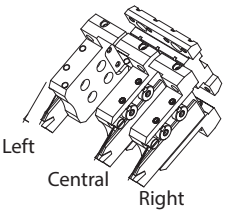
FAST-IN


128-11546

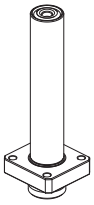
Cut-off holder

Cut-off tool
26 mm

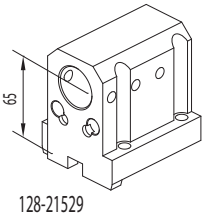

128-11546-IC I.Coolant



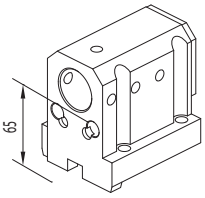
ACCESSORIES


Control pin
137-00197

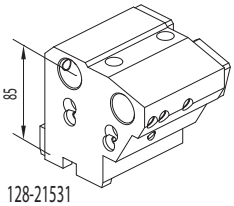
Protection cover
137-00252


128-21529

Toolholder for boring bar
Ø32 mm


128-21530 (D32)
128-21547 (D40)

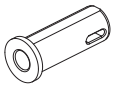
Combi toolholder
for boring bar and insertdrill


128-21531

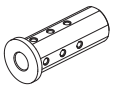
Combi toolholder
for boring bar
2xØ25 mm

D32

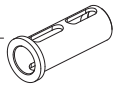
Drill socket
114-33208 <MT1>
114-33209 <MT2>



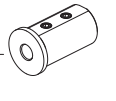
Boring bar sleeve
115-63260 (Ø8)
115-63261 (Ø10)
115-63211 (Ø12)
115-63212 (Ø16)
115-63213 (Ø20)



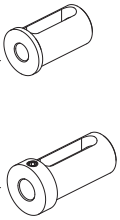
Boring bar sleeve
115-63214 (Ø25)



Boring bar sleeve
165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)



Boring bar sleeve
165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)



Boring bar sleeve
165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)

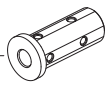
D40

165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)

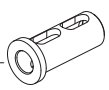
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)

165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

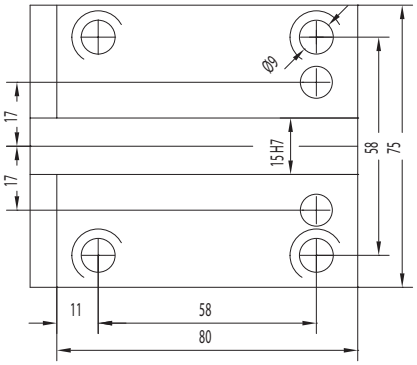
Boring bar sleeve
115-62538 (Ø8 mm)
115-62539 (Ø10 mm)
115-62540 (Ø12 mm)



Boring bar sleeve
115-62541 (Ø16 mm)

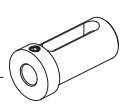


CONNECTION



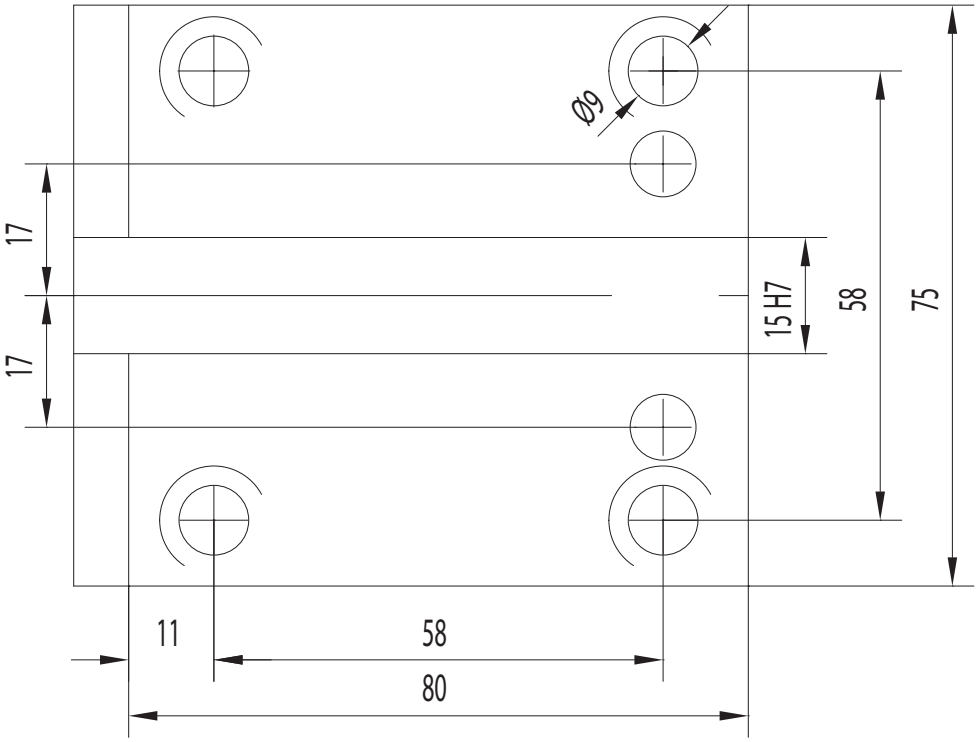
Boring bar sleeve
165-62551 (Ø8)
165-62552 (Ø10)
165-62553 (Ø12)

Boring bar sleeve
165-62555 (Ø16)
165-62557 (Ø20)

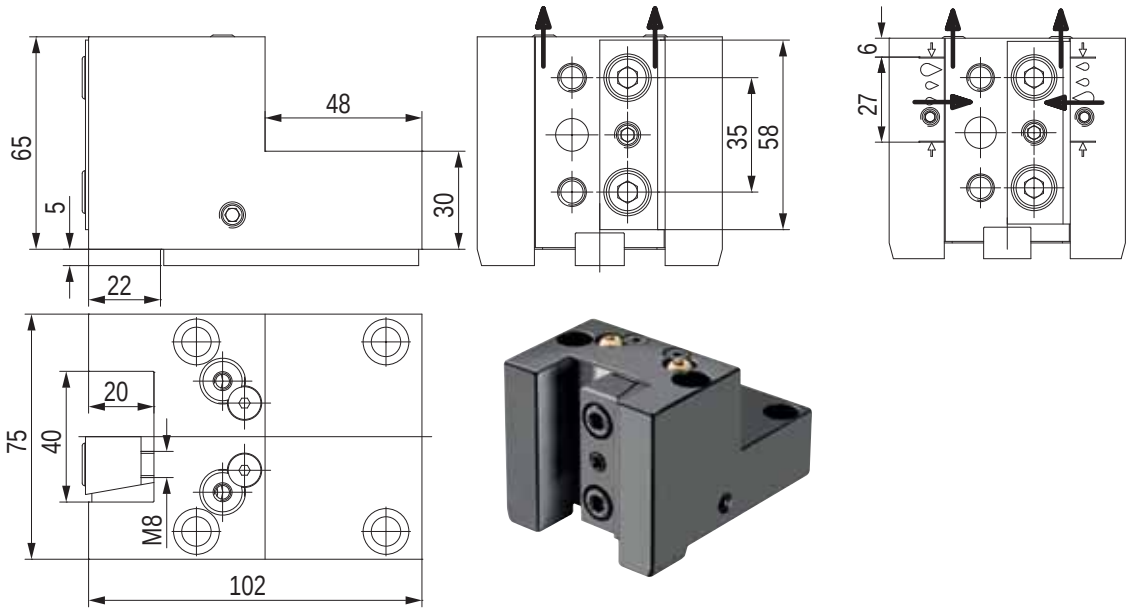


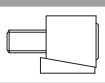
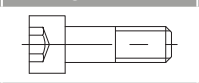
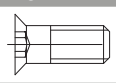
Boring bar sleeve
165-62545 (Ø12)
165-62547 (Ø16)
165-62549 (Ø20)

CONNECTION

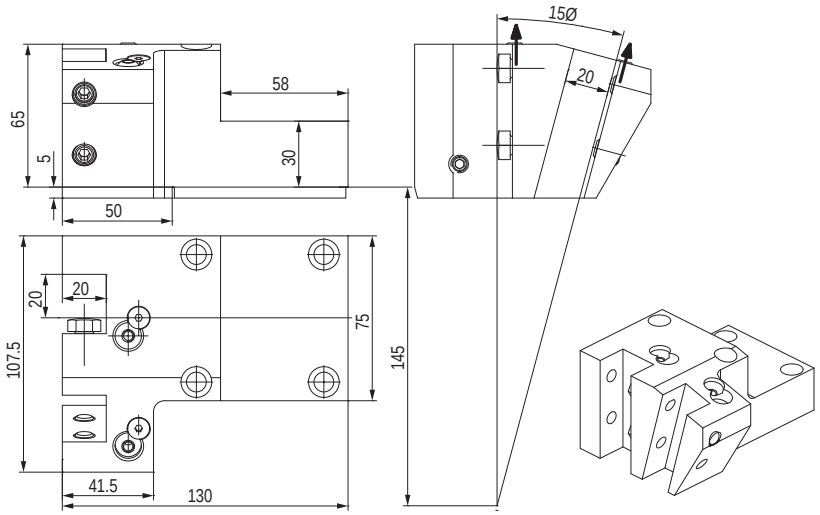


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-41518	NO	832-007160	814-203450	811-101016	833-001410	811-108024
128-41518-IC	YES	832-007160	814-203450	811-101016	833-001410	811-108024

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

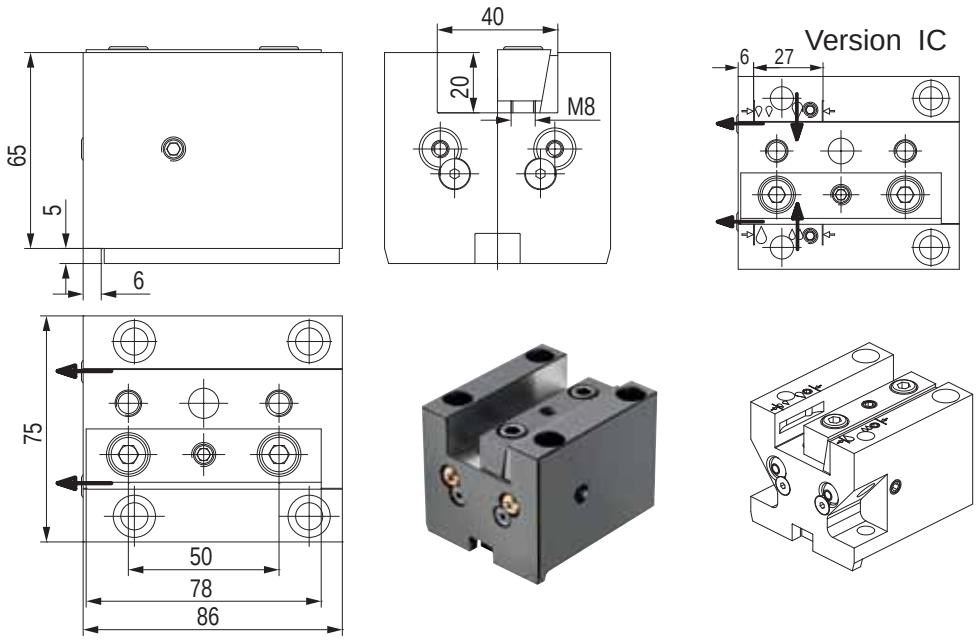


CODE N.	CLAMPING SCREW 0°	CLAMPING SCREW 15°-M10X12	CLAMPING SCREW 15°-M10X16
128-41519	811-301128	811-102036	811-102037

CODE N.	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41519	814-203450	811-101016	833-001410	811-108024

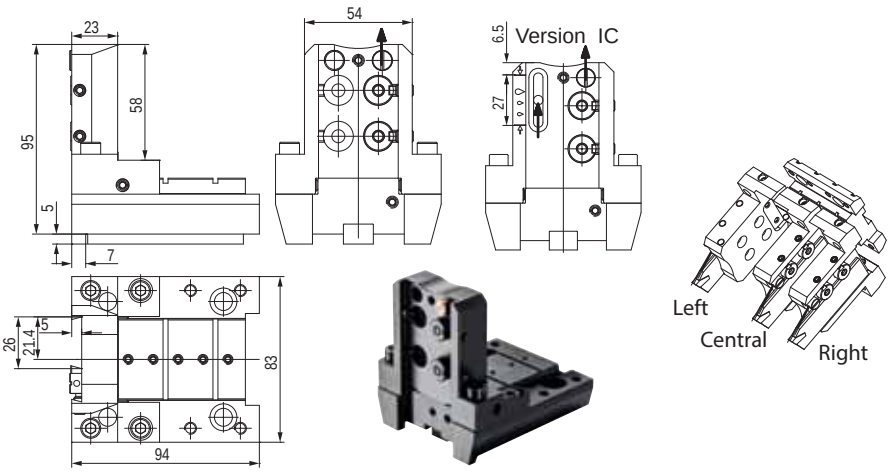
12

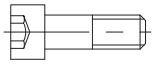
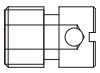
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

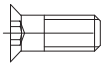
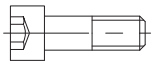
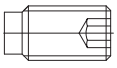


CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-31511	NO	832-007200	814-203450	811-101016	833-001410	811-108024
128-31511-IC	YES	832-007200	814-203450	811-101016	833-001410	811-108024

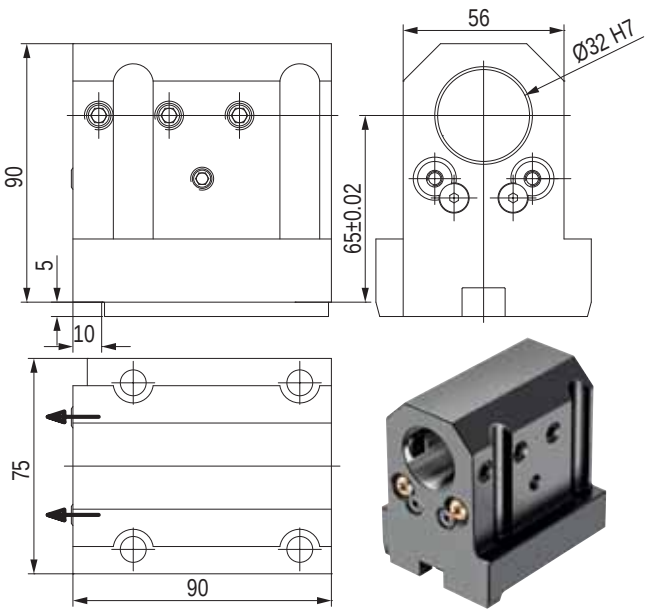
PORTALAMA - CUT-OFF HOLDERS

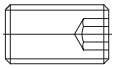
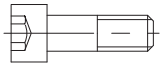
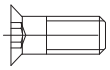


CODE N.	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INT. COOLANT	O RING FOR BODY
							
128-11546	NO	814-203450	811-101015	833-001490	823-101058	-	823-101061
128-11546-IC	YES	814-203450	811-101015	833-001490	823-101058	823-201140	823-101061

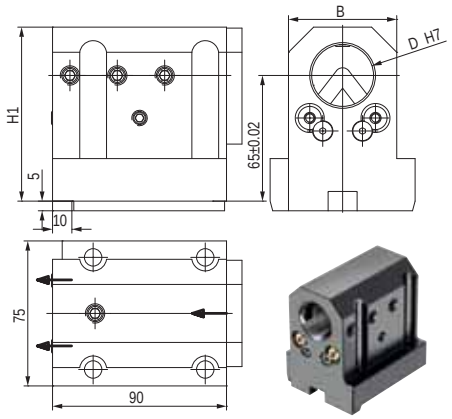
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
128-11546	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11546-IC	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013

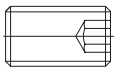
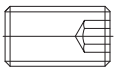
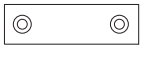
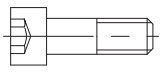
PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR

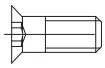
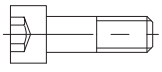


CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-21529	811-102036	814-203450	811-101016	833-001410	811-108024

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	D	B	H1	CLAMPING SCREW1 (M10X12)	CLAMPING SCREW2 (M10X10)	KEY	SCREW FOR KEY
							
128-21530	32	56	90	811-102036	811-102035	814-203450	811-101016
128-21547	40	63	94	811-102036	811-102035	814-203450	811-101016

	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
				
128-21530	833-001410	811-108024	832-003361	811-101016
128-21547	833-001410	811-108024	832-003398	811-101016

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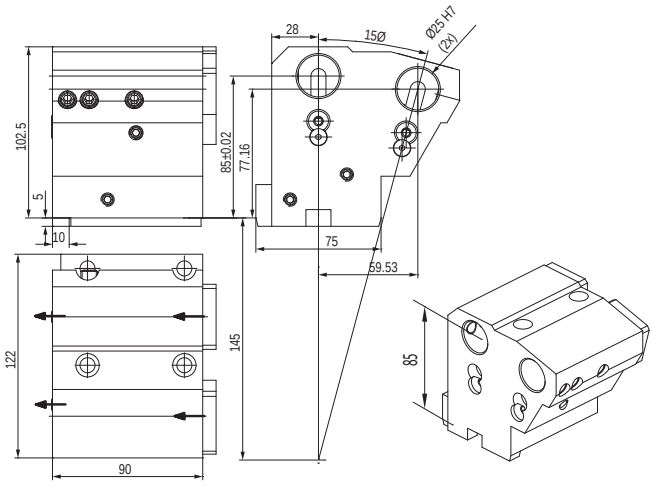
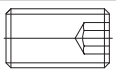
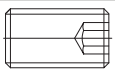
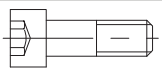
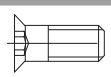
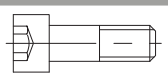
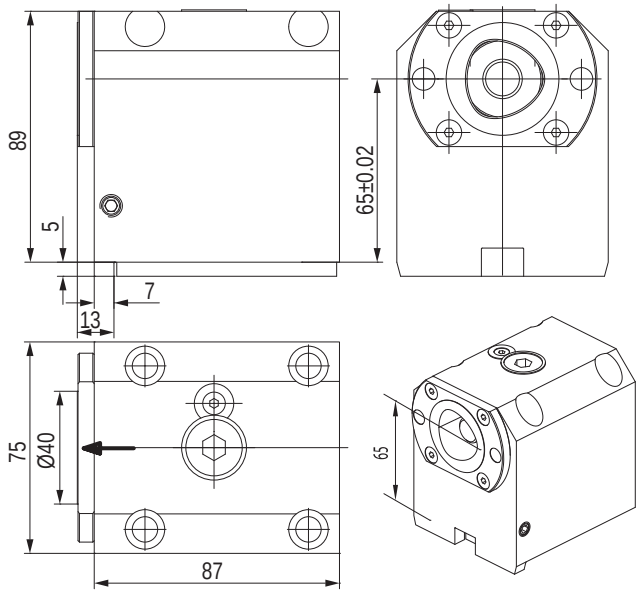
PORTAUTENSILE COMBINATO PER BARENI
COMBI TOOLHOLDER FOR BORING BAR

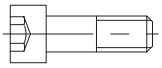


CODE N.	CLAMPING SCREW1 (M10X12)	CLAMPING SCREW2 (M10X10)	KEY	SCREW FOR KEY
				
128-21531	811-102037	811-102036	814-203450	811-101016

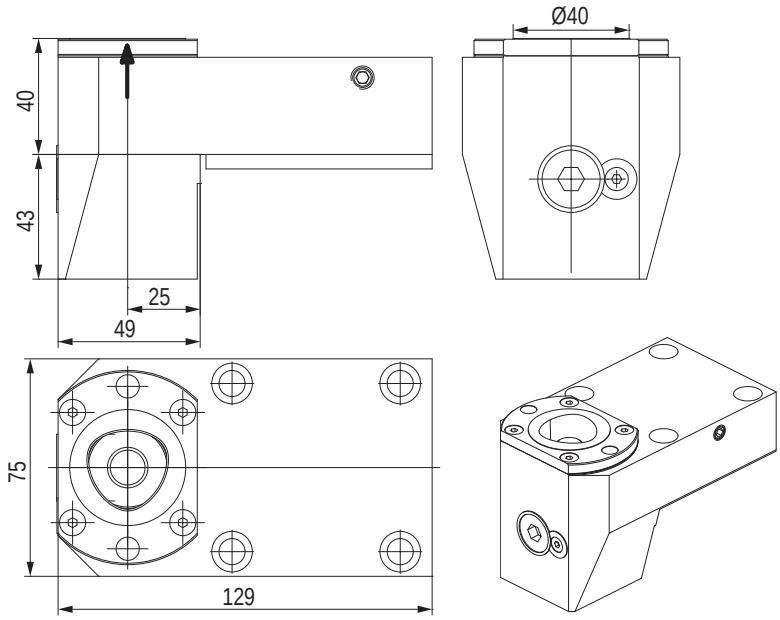
CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
				
128-21531	833-001410	811-108024	832-003367	811-101010

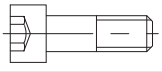
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



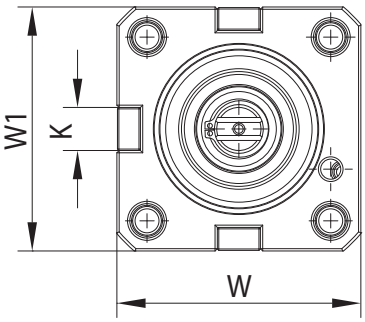
CODE N.	CAPTO	CLAMPING UNIT	KEY	SCREW FOR KEY
				
128-11571	C40	CXC40-10	814-203450	811-101016

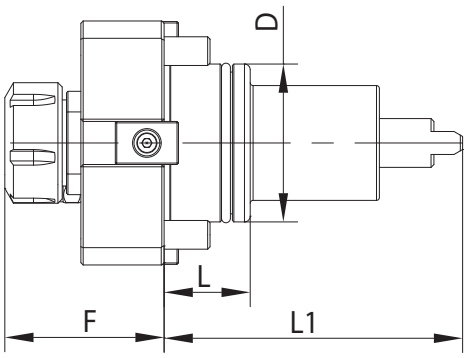
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



CODE N.	CAPTO	CLAMPING UNIT	KEY	SCREW FOR KEY
				
128-11572	C40	CXC40-10	814-203450	811-101016

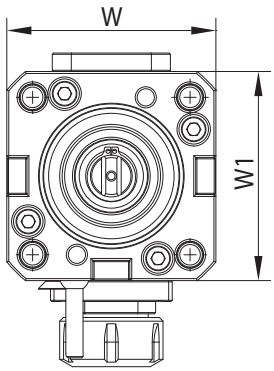
PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD

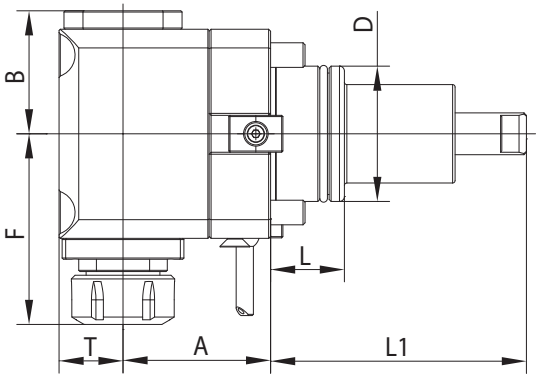




CODE N.	ER	D	F	K	L	L1	W	W1	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING
124-04501	ER25	45	67.6	15	40	84	78.5	75	6000	1:1	50	no
124-04502	ER25	45	67.6	15	40	84	78.5	75	6000	1:1	50	yes

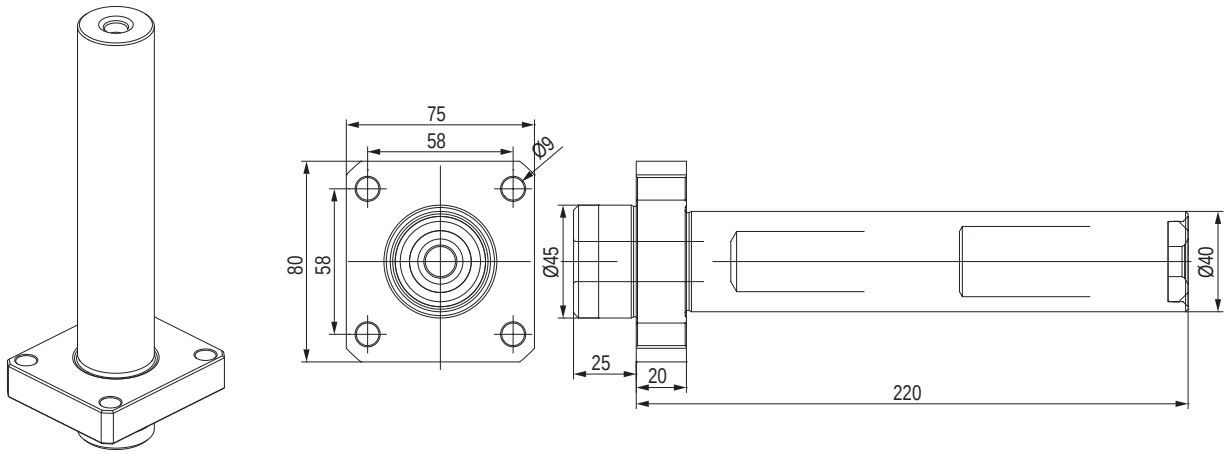
PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD





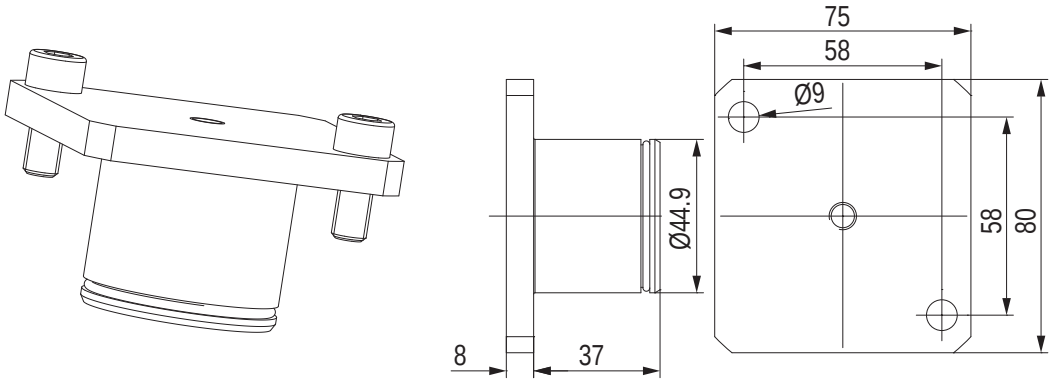
CODE N.	ER	D	A	B	F	L	L1	T	W	W1	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04503	ER25	45	65	57	97.6	40	84	36.5	75	83	6000	1:1	50	no	-
124-04504	ER25	45	65	57	97.6	40	84	36.5	75	83	6000	1:1	50	yes	20

BARRA DI CONTROLLO - CONTROL PIN



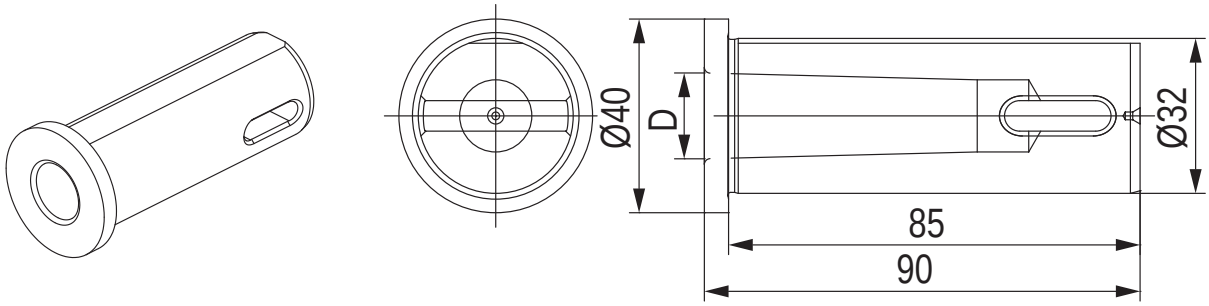
CODE N.
137-00197

TAPPO DI PROTEZIONE - PROTECTION COVER



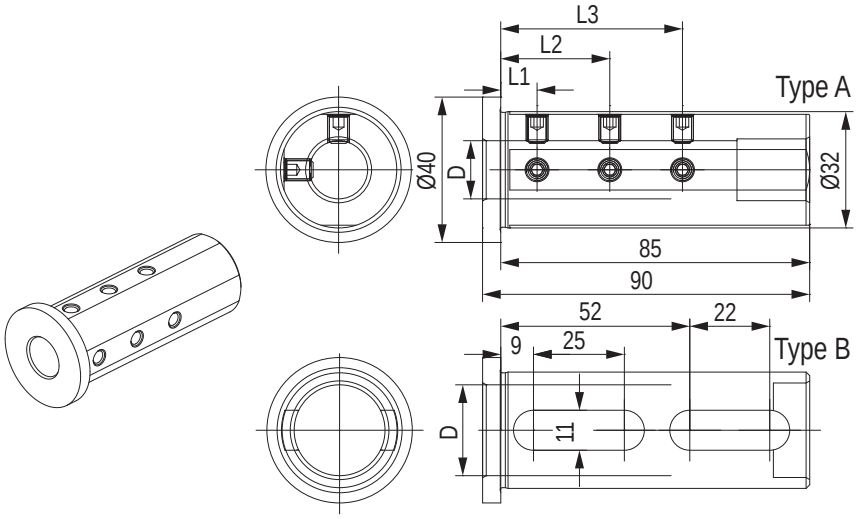
CODE N.	O RING
137-00252	823-101066

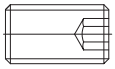
BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



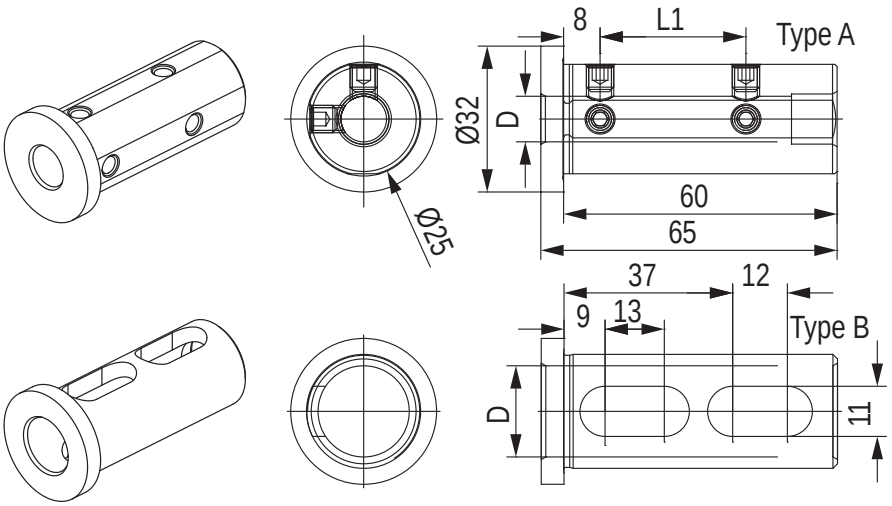
CODE N.	Ø	MORSE	D
114-33208	32	1	12,065
114-33209	32	2	17,780

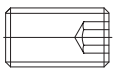
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



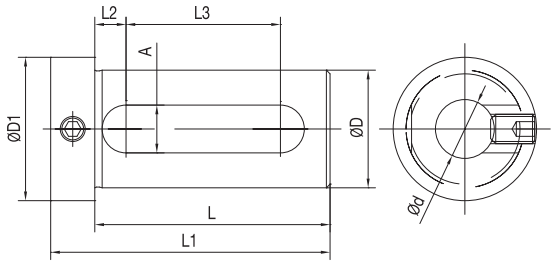
CODE N.	Ø	D	L1	L2	L3	TYPE	SCREW
							
115-63260	25	8	8	35	-	A	811-102019
115-63261	25	10	8	40	-	A	811-102019
115-63211	25	12	8	40	-	A	811-102018
115-63212	25	16	10	30	50	A	811-102018
115-63213	25	20	10	30	50	A	811-102017
115-63214	25	25	-	-	-	B	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



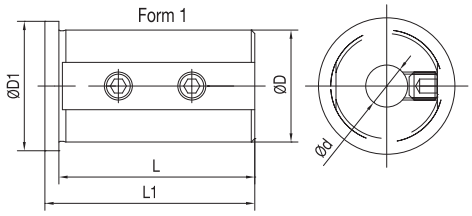
CODE N.	Ø	D	L1	TYPE	SCREW
					
115-62538	25	8	27	A	811-102018
115-62539	25	10	32	A	811-102017
115-62540	25	12	32	A	811-102017
115-62541	25	16	-	B	-

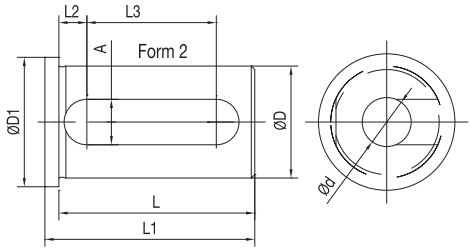
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
115-62044	20	8	50	60	7	29	11	28
115-62045	20	10	50	60	7	29	11	28
115-62046	20	12	50	60	7	29	11	28
115-62047	20	16	50	60	7	29	11	28
165-62545	25	12	55	67	8	32	13	33
165-62547	25	16	55	67	8	32	13	33
165-62549	25	20	55	67	8	32	13	33
165-63347	32	16	65	77	8	42	13	39
165-63349	32	20	65	77	8	42	13	39
165-63350	32	25	65	77	8	42	13	39
165-64241	40	16	75	89	9	51	14	48
165-64243	40	20	75	89	9	51	14	48
165-64244	40	25	75	89	9	51	14	48
165-64245	40	32	75	89	9	51	14	48
165-65017	50	25	85	99	9	61	14	60
165-65018	50	32	85	99	9	61	14	60
165-65019	50	40	85	99	9	61	14	60
165-66056	60	25	95	109	9	71	14	70
165-66057	60	32	95	109	9	71	14	70
165-66058	60	40	95	109	9	71	14	70
165-66059	60	50	95	109	9	71	14	70

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



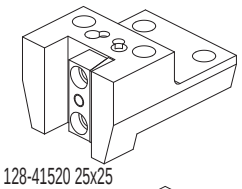


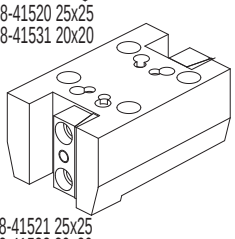
CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-62551	25	8	1	46	50	-	-	-	30
165-62552	25	10	1	46	50	-	-	-	30
165-62553	25	12	1	46	50	-	-	-	30
165-62555	25	16	2	46	50	8	27	13	30
165-62557	25	20	2	46	50	8	27	13	30
165-63352	32	8	1	56	60	-	-	-	37
165-63353	32	10	1	56	60	-	-	-	37
165-63354	32	12	1	56	60	-	-	-	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

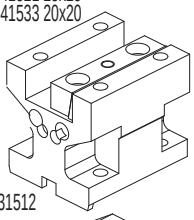
DOOSAN (BMT55)

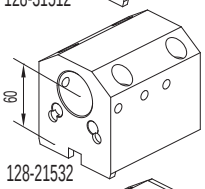
LYNX 300 (M)
PUMA 1500/2000/2500 (M,S,Y)
PUMA 2100 (Y,LY,SY,LSY)
PUMA 2100/2600/3100 M/Y/MS/SY
PUMA 230/240/280 (M,LM,S)
PUMA GT2100M / PUMA H250TM
PUMA H250TM
PUMA MX2100 (ST/LST)
PUMA TL2000/2500 (M,LM)
PUMA TT1500/1800 (MS,SY)

SAMSUNG PL 240LM
HARDINGE T-51 / 65 super precision H51
HYUNDAI WIA WIA L230 LMSA
SKT-160 / 180 TTMS / TTSY
LM 1600 / 1800 TTSY
HWACHEON CUTEX-160 / 240 / T2
VICTOR VTURN-A16/A20 (YSCM)

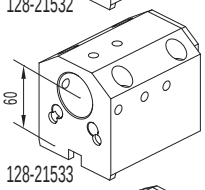

128-41520 25x25
128-41531 20x20


128-41521 25x25
128-41533 20x20

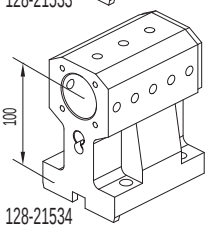

128-31512



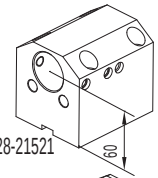
128-21532



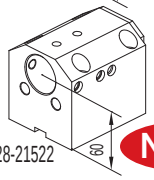
128-21533



128-21534

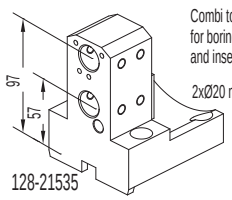


128-21521



128-21522

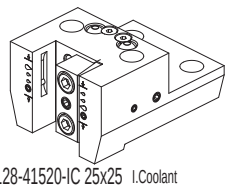
NEWS



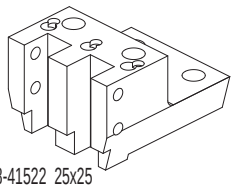
128-21535

Combi toolholder for boring bar and insertdril
2xØ20 mm

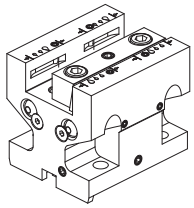
Qualified tool
Face and O.D. cutting holder


128-41520-IC 25x25 I.Coolant

Face and O.D. cutting holder


128-41522 25x25

Face and O.D. cutting holder 25x25


128-31512-IC I.Coolant

Toolholder for boring bar
Ø40 mm

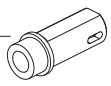
Combi toolholder for boring bar and insertdrill
Ø40 mm

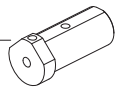
Combi toolholder for boring bar and insertdrill
Ø40 mm

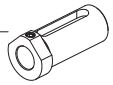
Boring bar holder
Ø40 mm

Combi toolholder for boring bar and insertdril with internal coolant
Ø40 mm

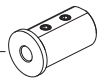
ACCESSORIES

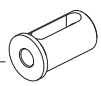

Drill socket
114-34012 <MT1>
114-34013 <MT2>
114-34014 <MT3>

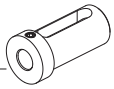

Boring bar sleeve
165-64089 (Ø10)
165-64090 (Ø12)
165-64091 (Ø16)

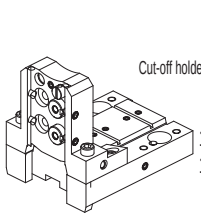

Boring bar sleeve
165-64092 (Ø20)
165-64093 (Ø25)
165-64094 (Ø32)

Throw-away drill socket
165-64095 (Ø20)
165-64096 (Ø25)
165-64097 (Ø32)

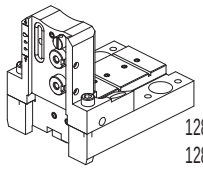

Boring bar sleeve
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)


Boring bar sleeve
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)

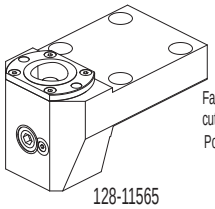

Boring bar sleeve
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)



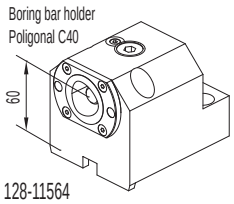
128-11548 (26 mm)
128-11549 (32 mm)



128-11548-IC (26 mm) I.Coolant
128-11549-IC (32 mm) I.Coolant



128-11565



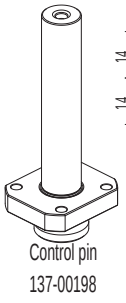
128-11564

NEWS

Driven tools

FAST-IN

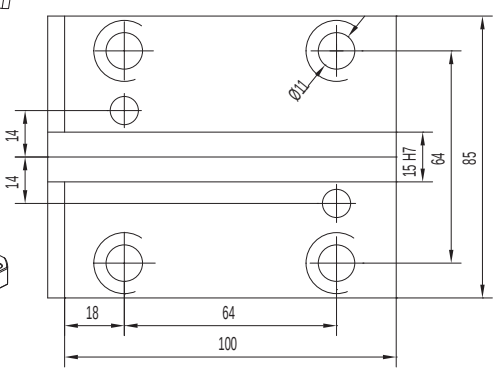
Protection cover
137-00253


Control pin
137-00198

124-05501
124-06509 i.coolant

124-05502
124-06510 i.coolant
124-06519 i.coolant 80 BAR

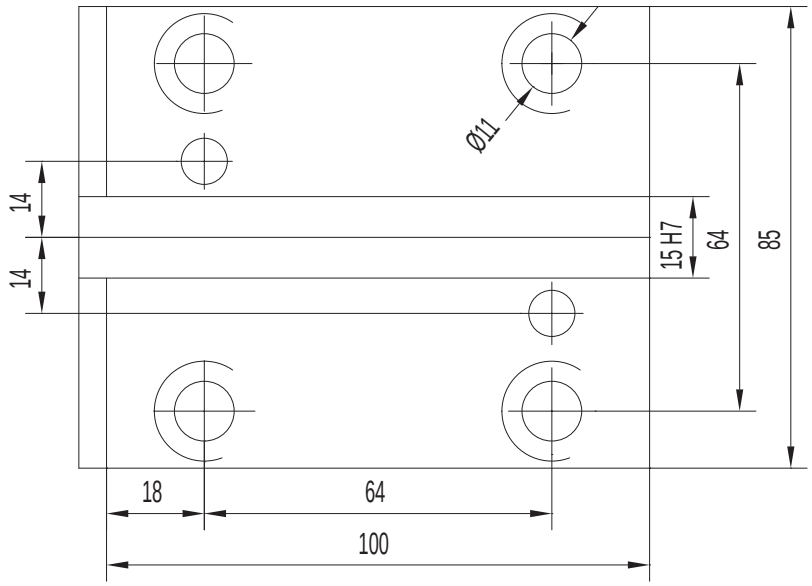
CONNECTION



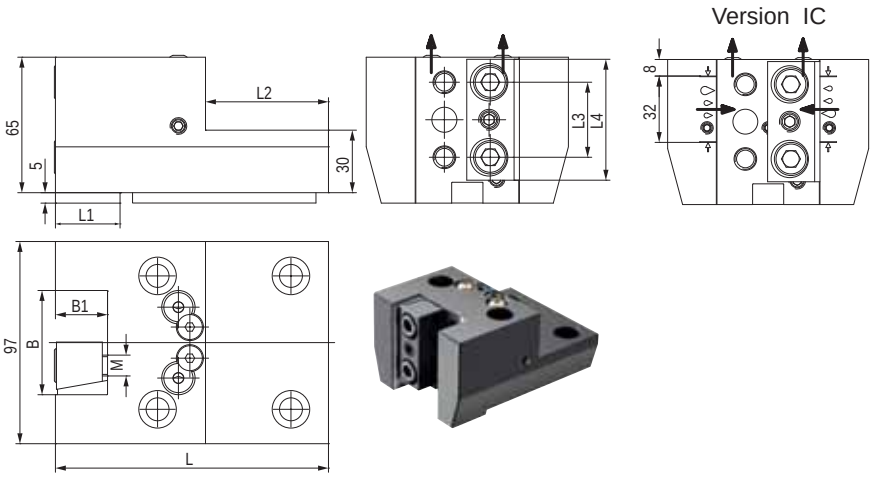
12

KINTEK

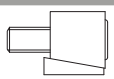
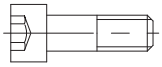
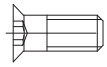
CONNECTION



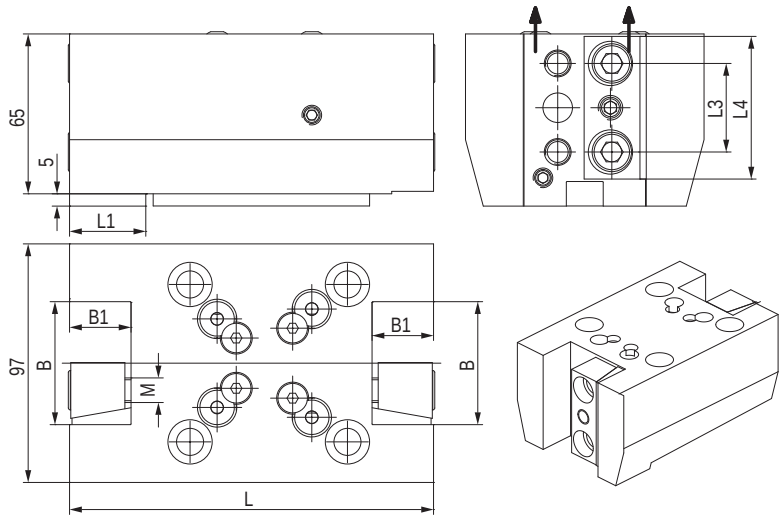
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



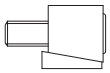
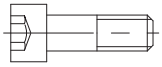
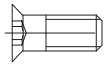
CODE N.	B	B1	L	L1	L2	L3	L4	M
128-41520	50	25	131	31	59	36	58	M10
128-41520-IC	50	25	131	31	59	36	58	M10
128-41531	40	20	109	9	50	35	58	M8

CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-41520	NO	832-007570	814-203230	811-101016	833-001470	811-108018
128-41520-IC	YES	832-007570	814-203230	811-101016	833-001470	811-108018
128-41531	NO	832-007160	814-203230	811-101016	833-001470	811-108018

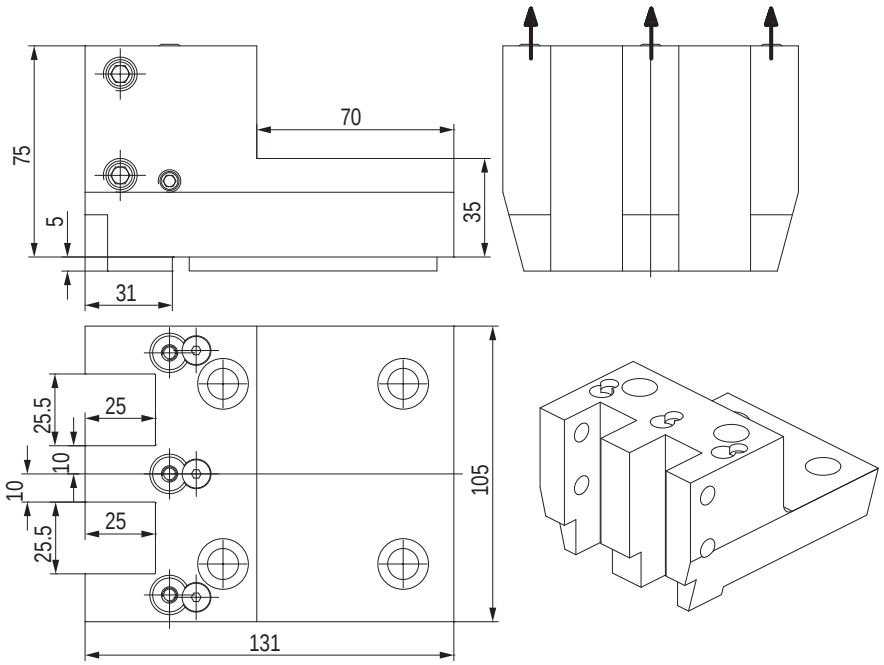
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

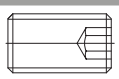
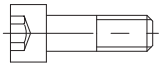
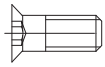


CODE N.	B	B1	L	L1	L3	L4	M
128-41521	50	25	148	31	36	58	M10
128-41533	40	20	122	9	35	58	M8

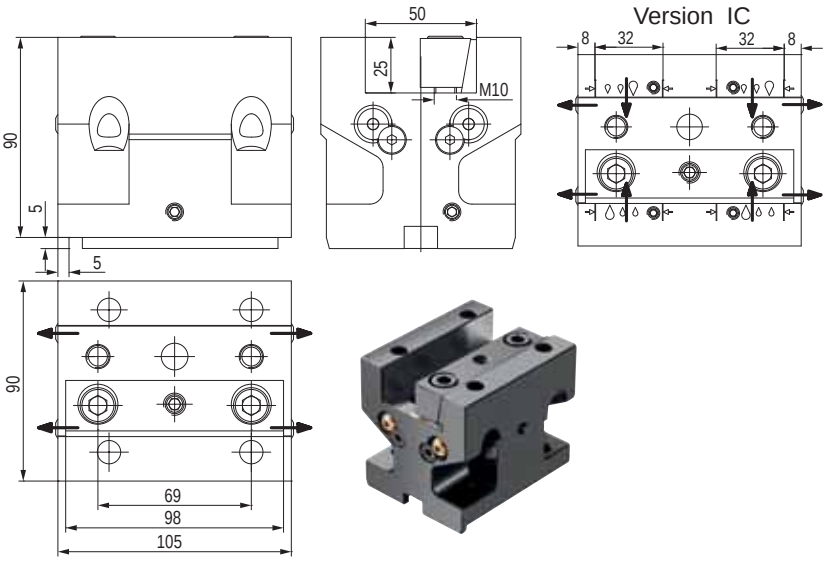
CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-41521	832-007570	814-203230	811-101016	833-001470	811-108018
128-41533	832-007160	814-203450	811-101016	833-001470	811-108018

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



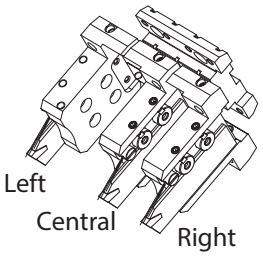
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-41522	811-102043	814-203230	811-101016	833-001410	811-108024

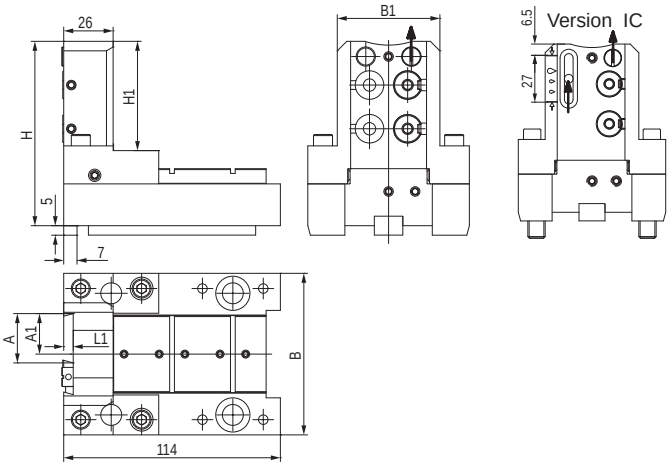
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-31512	NO	832-007220	814-203230	811-101016	833-001470	811-108018
128-31512-IC	YES	832-007220	814-203230	811-101016	833-001470	811-108018

PORTALAMA - CUT-OFF HOLDERS



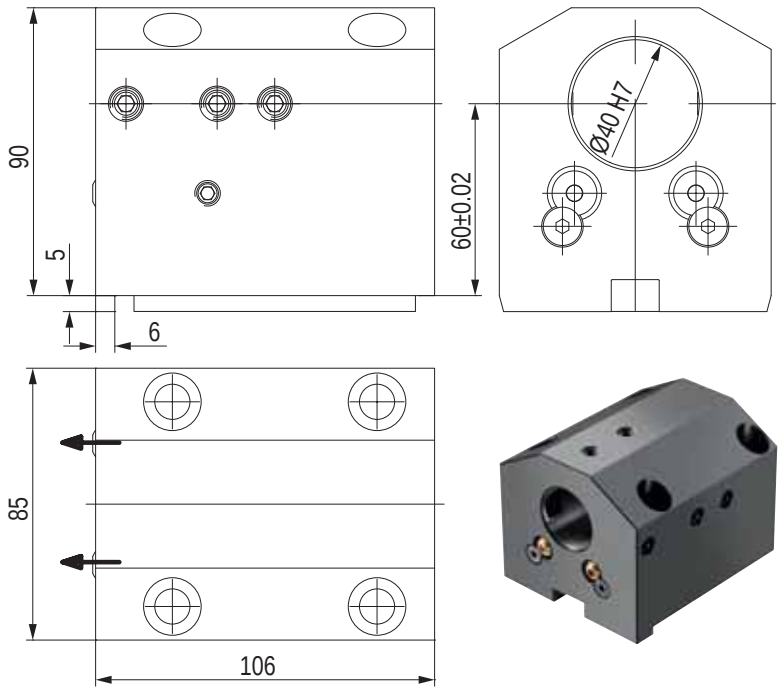


CODE N.	A	A1	B	B1	H	H1	L1
128-11548	26	21.4	85	54	97	57.5	5
128-11548-IC	26	21.4	85	54	97	57.5	5
128-11549	32	25	94	63	105	66	6
128-11549-IC	32	25	94	63	105	66	6

CODE N.	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INT. COOLANT	O RING FOR BODY
128-11548	NO	814-203230	811-101015	833-001490	823-101058	-	823-101061
128-11548-IC	YES	814-203230	811-101015	833-001490	823-101058	823-201140	823-101061
128-11549	NO	814-203230	811-101015	833-001490	823-101058	-	823-101061
128-11549-IC	YES	814-203230	811-101015	833-001490	823-101058	823-201140	823-101061

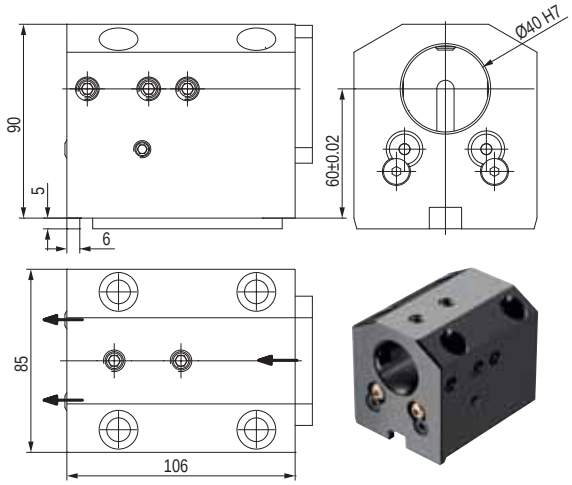
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
128-11548	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11548-IC	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11549	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013
128-11549-IC	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-21532	811-102038	814-203230	811-101016	833-001470	811-108018

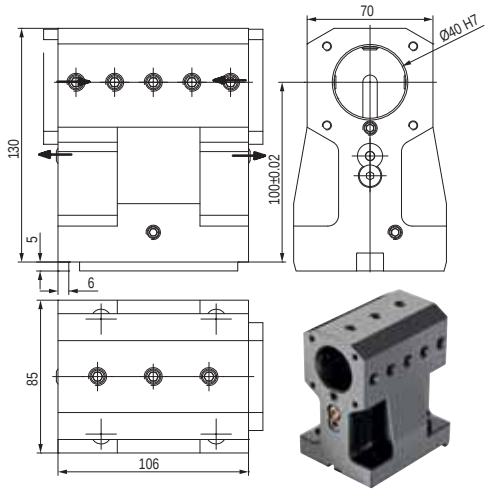
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

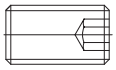
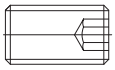
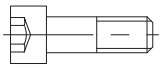


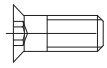
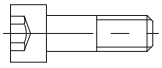
CODE N.	CLAMPING SCREW1 (M10X20)	CLAMPING SCREW2 (M10X12)	KEY	SCREW FOR KEY
128-21533	811-102038	811-102036	814-203230	811-101016

CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21533	833-001470	811-108018	832-003363	811-101016

PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	CLAMPING SCREW1 (M10X16)	CLAMPING SCREW2 (M10X12)	KEY	SCREW FOR KEY
				
128-21534	811-102037	811-102036	814-203230	811-101016

CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
				
128-21534	833-001470	811-108018	832-003363	811-101016

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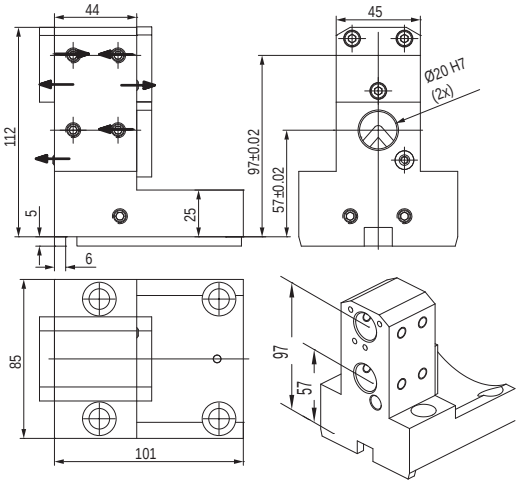
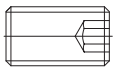
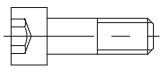
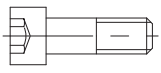
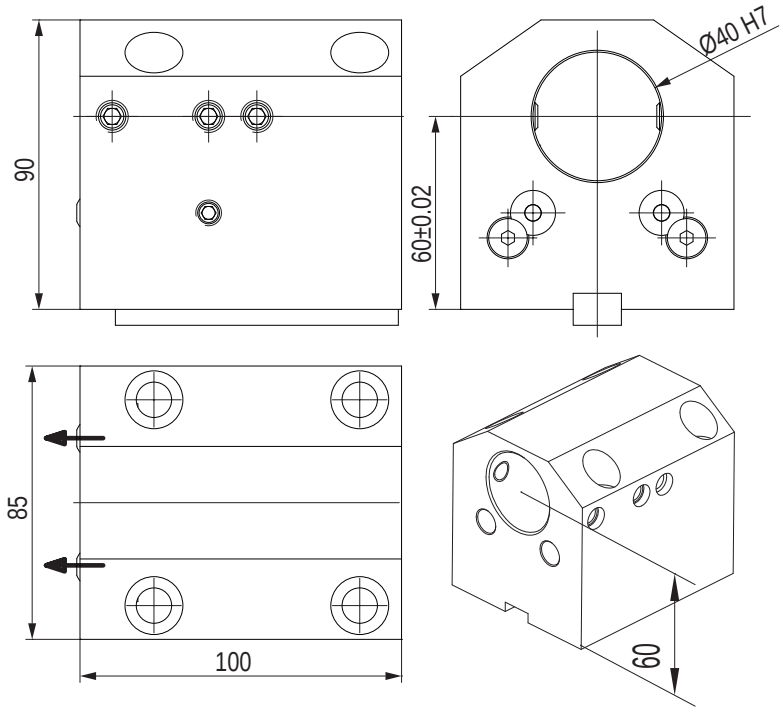
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY
			
128-21535	811-102028	814-203230	811-101016

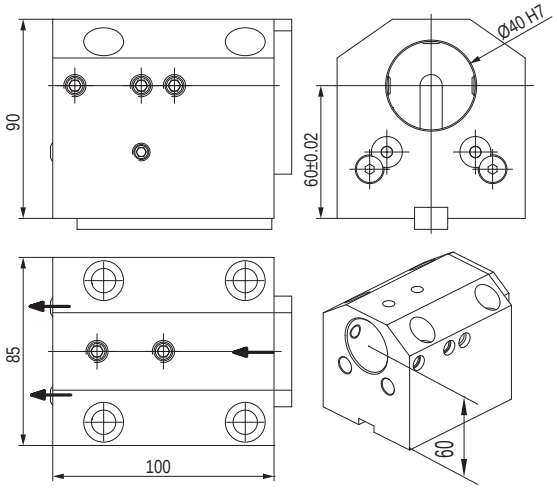
CODE N.	COOLANT NOZZLE	COVER	SCREW FOR COVER
			
128-21535	833-001070	832-003368	811-101016

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-21521	811-102038	814-203230	811-101017	833-001470	811-108018

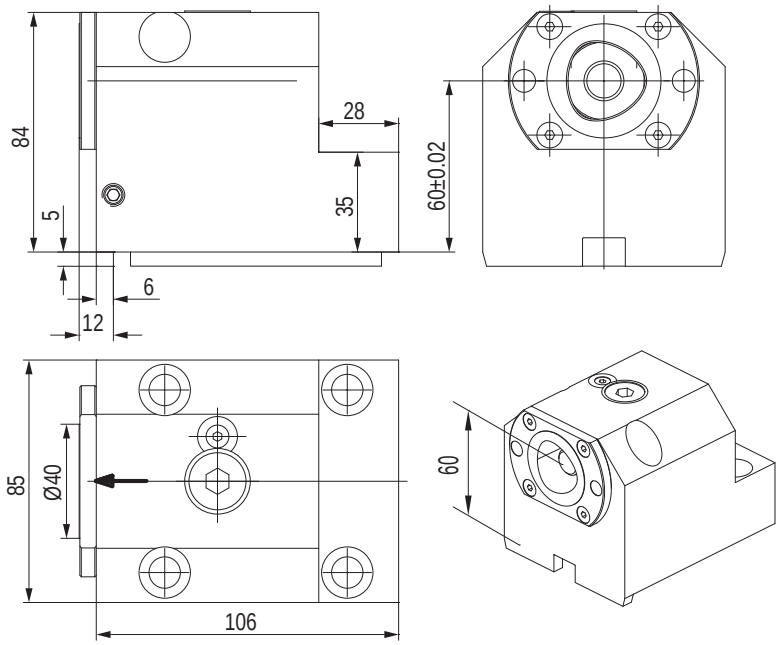
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

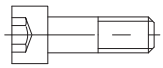


CODE N.	CLAMPING SCREW1 (M10X20)	CLAMPING SCREW2 (M10X10)	KEY	SCREW FOR KEY
128-21522	811-102038	811-102035	814-203230	811-101017

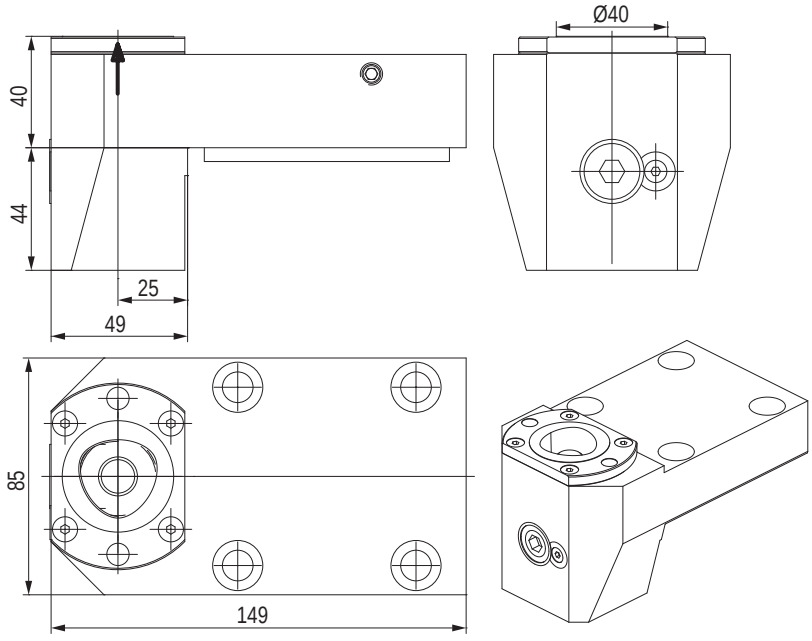
CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	CODE N.
128-21522	833-001470	811-108018	832-003216	811-101017

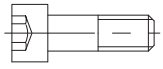
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



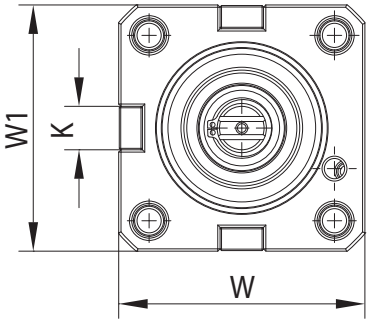
CODE N.	CAPTO	CLAMPING UNIT	KEY	SCREW FOR KEY
				
128-11564	C40	CXC40-10	814-203230	811-101016

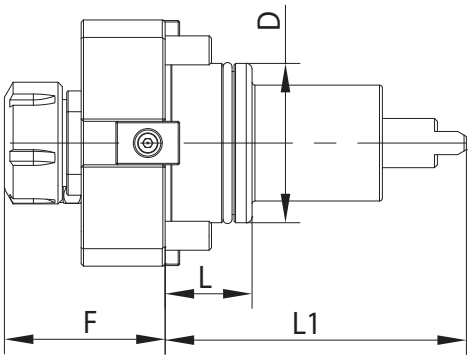
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



CODE N.	CAPTO	CLAMPING UNIT	KEY	SCREW FOR KEY
				
128-11565	C40	CXC40-10	814-203230	811-101016

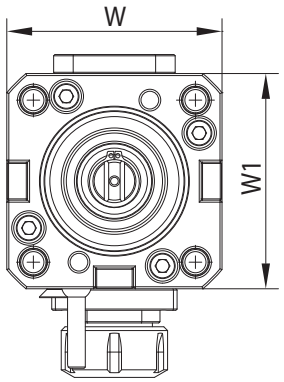
PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD

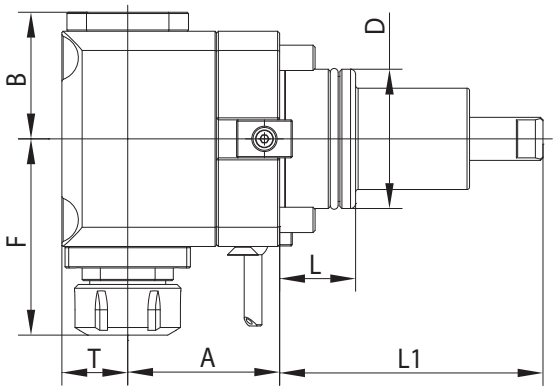




CODE N.	ER	D	F	K	L	L1	W	W1	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING
124-05501	ER25	55	71	15	30	104	85	85	6000	1:1	50	no
124-06509	ER25	55	71	15	30	104	85	85	6000	1:1	50	yes

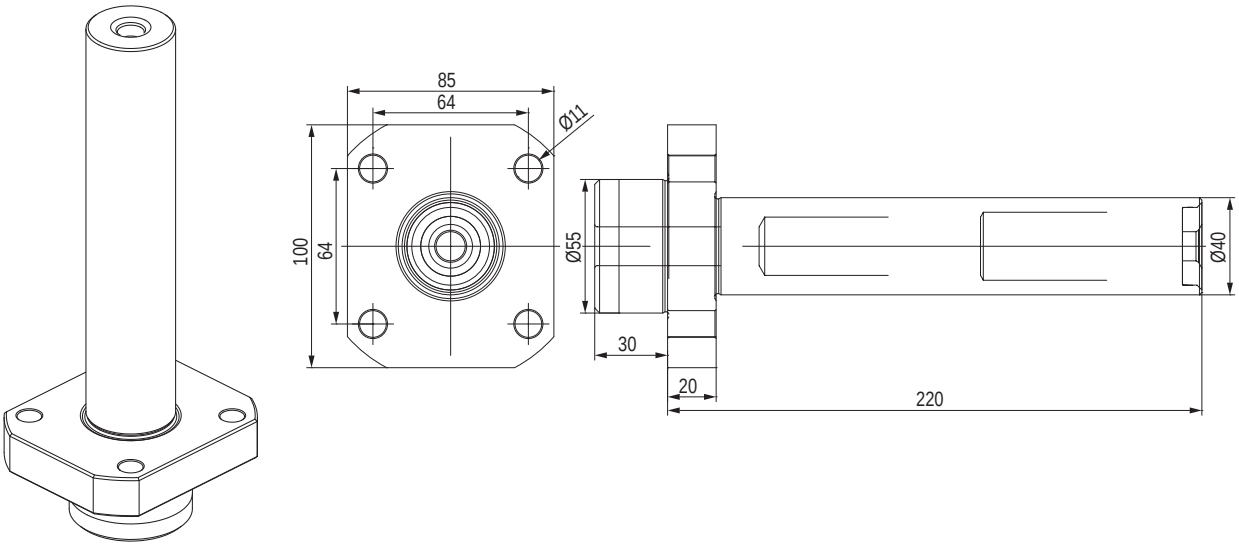
PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD





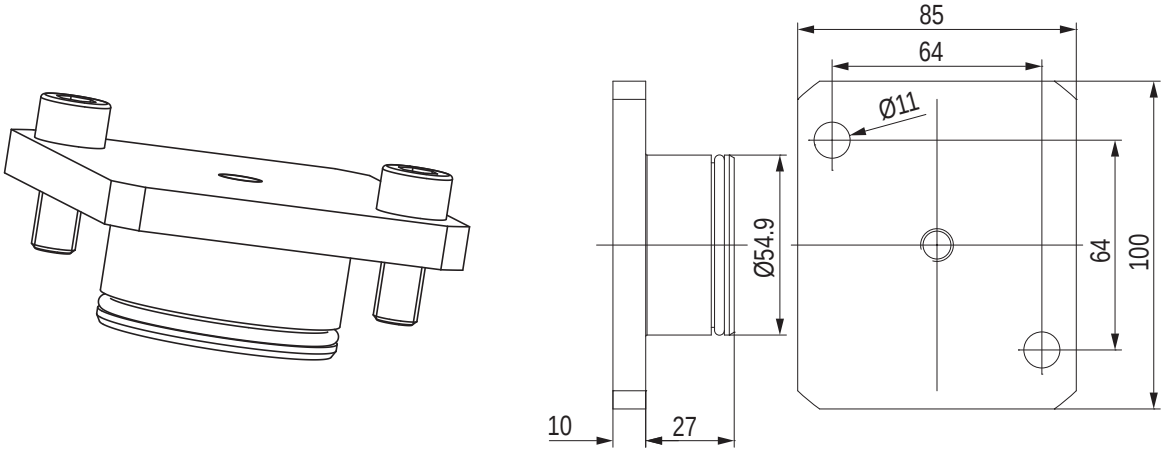
CODE N.	ER	D	A	B	F	L	L1	T	W	W1	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P BAR
124-05502	ER25	55	70	57	86	30	104	26	85	85	6000	1:1	25	no	-
124-06510	ER25	55	70	57	86	30	104	26	85	85	6000	1:1	25	yes	20
124-06519	ER25	55	70	57	86	30	104	26	85	85	6000	1:1	25	yes	80

BARRA DI CONTROLLO - CONTROL PIN



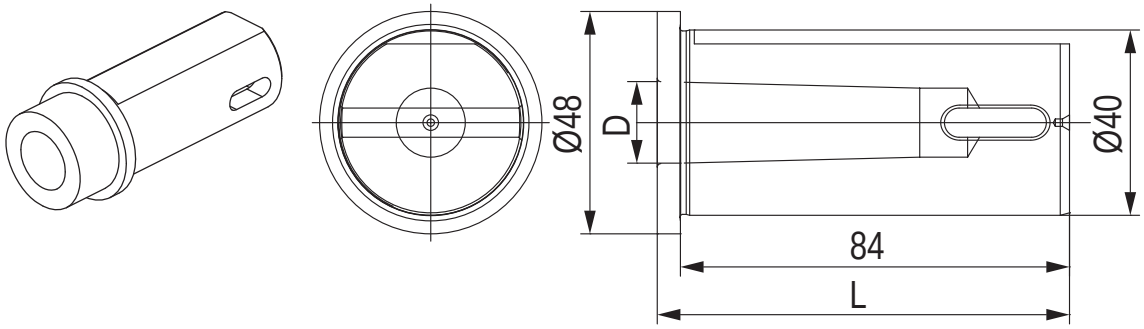
CODE N.
137-00198

TAPPO DI PROTEZIONE - PROTECTION COVER



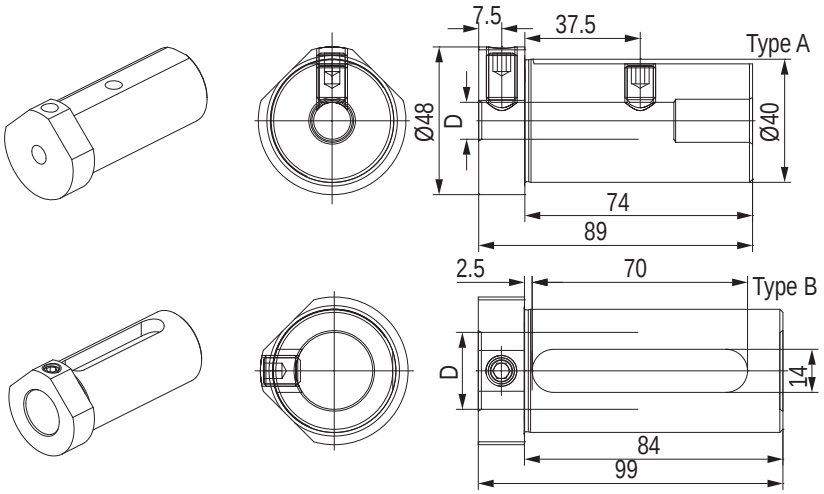
CODE N.	O RING
137-00253	823-101064

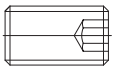
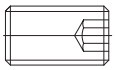
BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



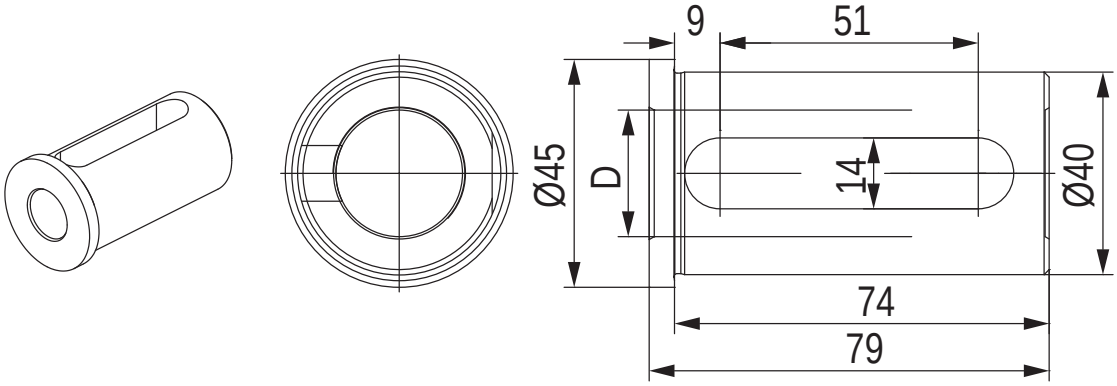
CODE N.	Ø	MORSE	D	L
114-34012	40	1	12,065	89
114-34013	40	2	17,780	89
114-34014	40	3	23,825	110

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



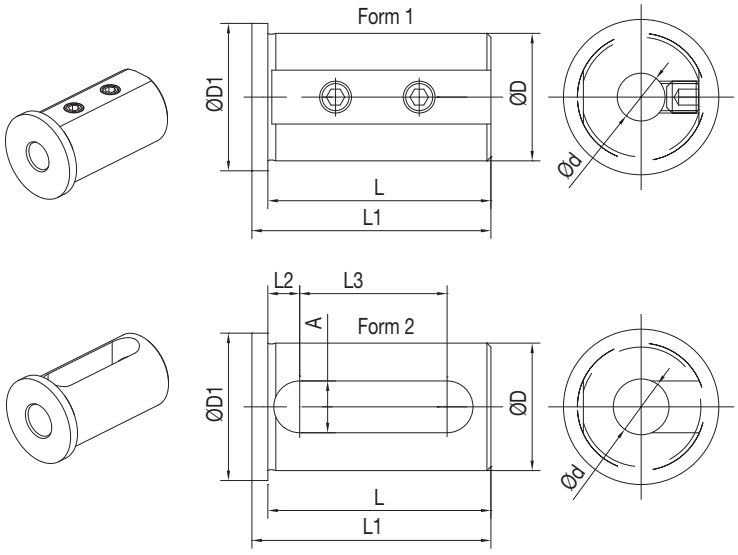
CODE N.	Ø	D	TYPE	SCREW1	SCREW2
					
165-64089	40	10	A	811-102037	811-102036
165-64090	40	12	A	811-102037	811-102036
165-64091	40	16	A	811-102037	811-102035
165-64092	40	20	B	811-102036	-
165-64093	40	25	B	811-102036	-
165-64094	40	32	B	811-102035	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



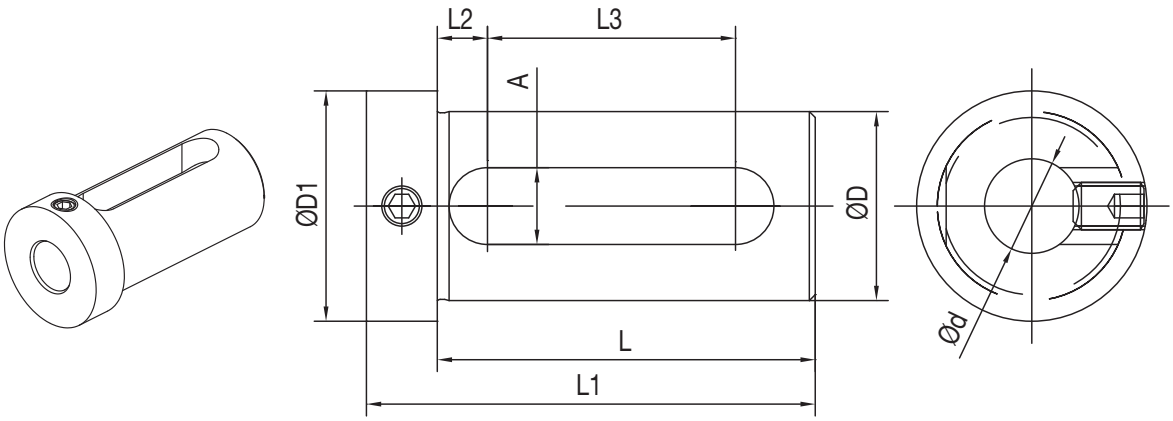
CODE N.	Ø	D
165-64095	40	20
165-64096	40	25
165-64097	40	32

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

DOOSAN PUMA (BMT65)

PUMA 2100/2600 (M,LM,MS,LMS)
PUMA 2100/2600 (Y,LY,SY,LSY)
PUMA 300 (M,MS,MB,MC)
PUMA 3100 (M,LM,LY,XLM,XLY,ULM,ULY)
PUMA MX2000/2500
PUMA MX2600 (T,ST)
PUMA TT2500 (MS/SY)
PUMA V400 (M)
PUMA VT450 (M,2SP)
PUMA TT2000

HWACHEON
CUTEX-240
HI-TECH200/T2-Series
HI-TECH300/400
VT-450

HYUNDAI WIA
L2100SY
SKT-200/250TTSY
SKT-250/300 (L,M)
SKT-250/300 (MS)
L300M / MS
LM 2000 / 2500 TTM
2500 TTMS / 2500 TTSY

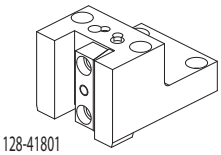
MAXSIN
BMT65

SMEC/SAMSUNG
SL25 / SL35
PL 20/25M - PL 35LM - PL 2000/2500Y

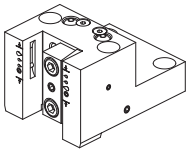
TONGTAI
TMT2000

VICTOR
VTURN-A26 (YSCM)

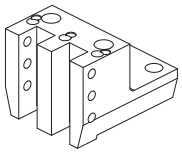
HAAS
ST-20 - ST-25 - ST-30
ST-35 - DS-30Y
ST-20Y - ST-25Y - ST-30Y - ST-35Y

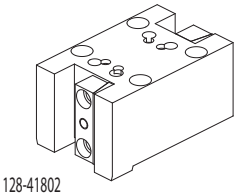

128-41801

Face and O.D. cutting holder

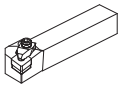

128-41801-IC I.Coolant

Face and O.D. cutting holder

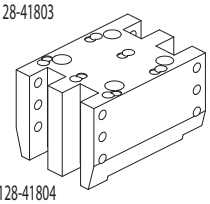

128-41803

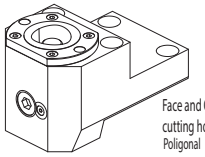

128-41802

Face and O.D. cutting holder

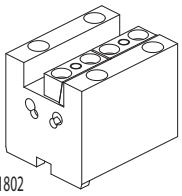

Qualified tool 25x25 mm

Face and O.D. cutting holder

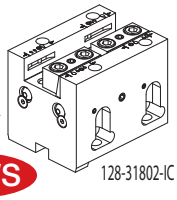

128-41804


128-11819 (C40)
128-11809 (C50)

Face and O.D. cutting holder Poligonal

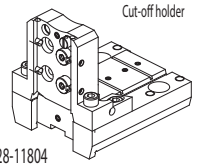

128-31802

Face and O.D. cutting holder


128-31802-IC I.Coolant

NEWS

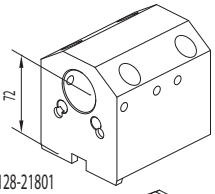
Cut-off holder


128-11804

Cut-off tool

32 mm

ACCESSORIES


128-21801

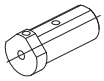
Toolholder for boring bar

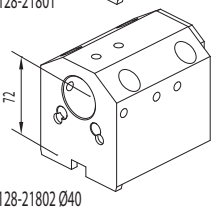
Ø40 mm

Drill socket D40

114-34012 <MT1>
114-34013 <MT2>
114-34014 <MT3>

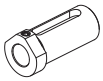
Boring bar sleeve D40

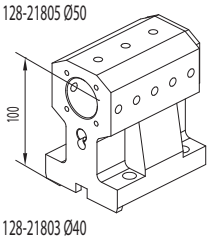

165-64089 (Ø10)
165-64090 (Ø12)
165-64091 (Ø16)


128-21802 Ø40
128-21805 Ø50

Combi toolholder for boring bar and insertdrill

Boring bar sleeve D40


165-64092 (Ø20)
165-64093 (Ø25)
165-64094 (Ø32)


128-21803 Ø40
128-21806 Ø50

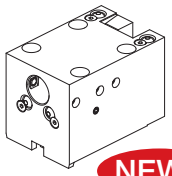
Combi toolholder for boring bar and insertdrill

Throw-away drill socket D40

165-64095 (Ø20)
165-64096 (Ø25)
165-64097 (Ø32)

Boring bar sleeve D40

165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)


128-11821 Ø32/25x25

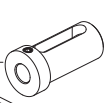
Combi toolholder

NEWS

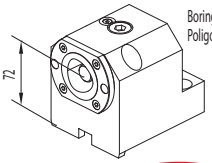
Boring bar sleeve D40

165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)

Boring bar sleeve D40


165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

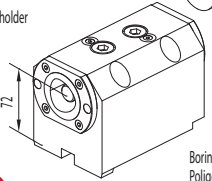
Boring bar holder Poligonal


128-11817 (C40)
128-11805 (C50)

NEWS

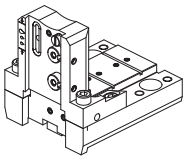
Boring bar sleeve D50

165-65017 (Ø25)
165-65018 (Ø32)
165-65019 (Ø40)

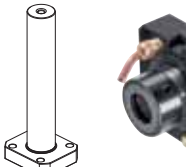

128-11818 (C40)
128-11807 (C50)

Boring bar holder double Poligonal

Left
Central
Right


128-11804-IC I.Coolant

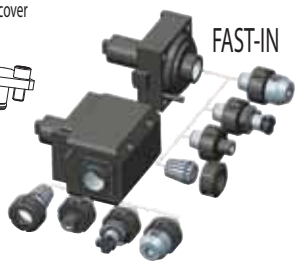
Driven tools


Control pin
137-00199

124-06501
124-06508 i.Coolant

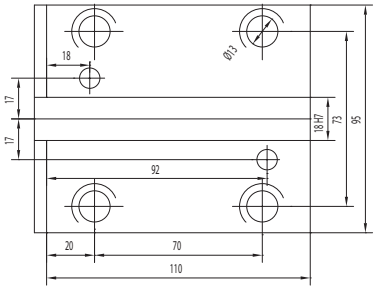
124-06502
124-06512 i.Coolant
124-06521 i.Coolant 80 BAR

Protection cover
137-00254

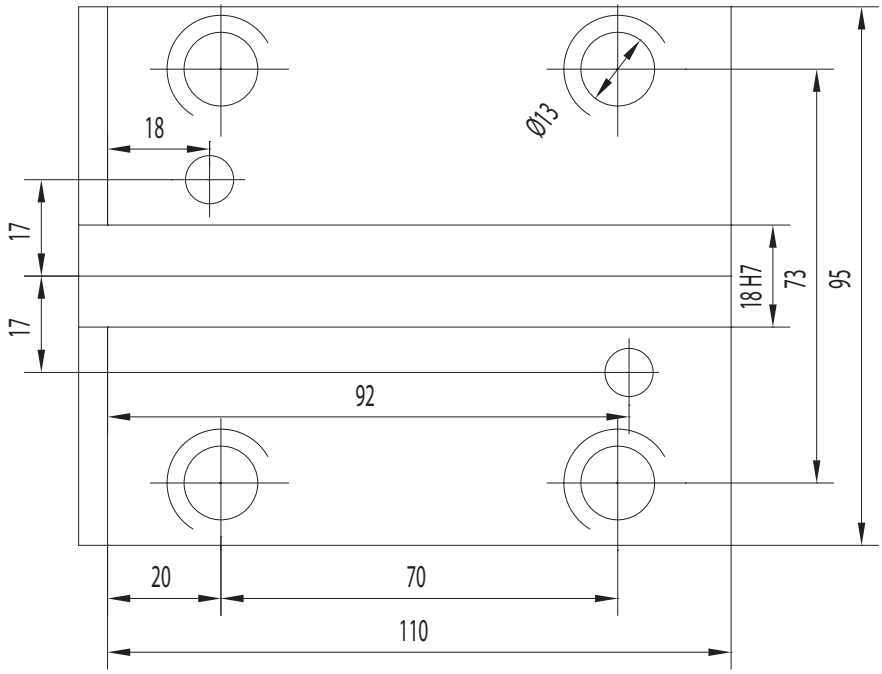

FAST-IN

124-06605
124-06606

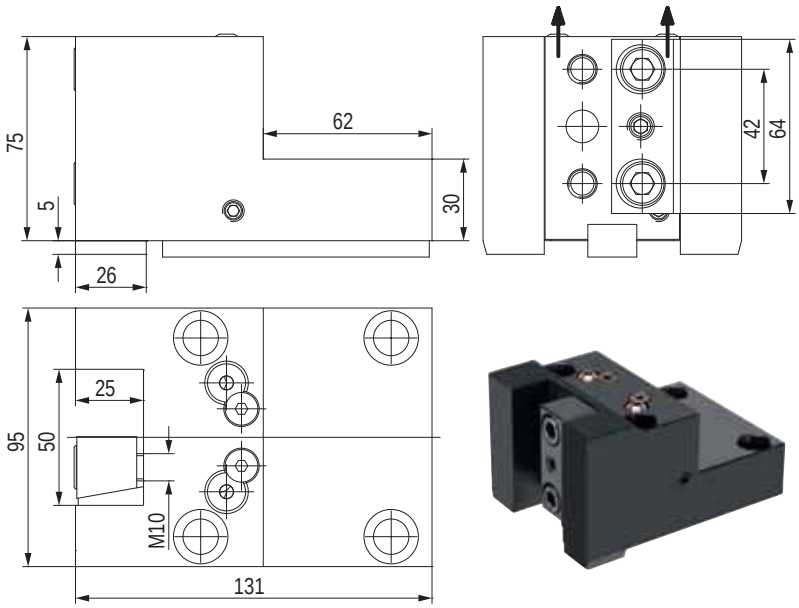
CONNECTION

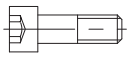
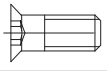


CONNECTION

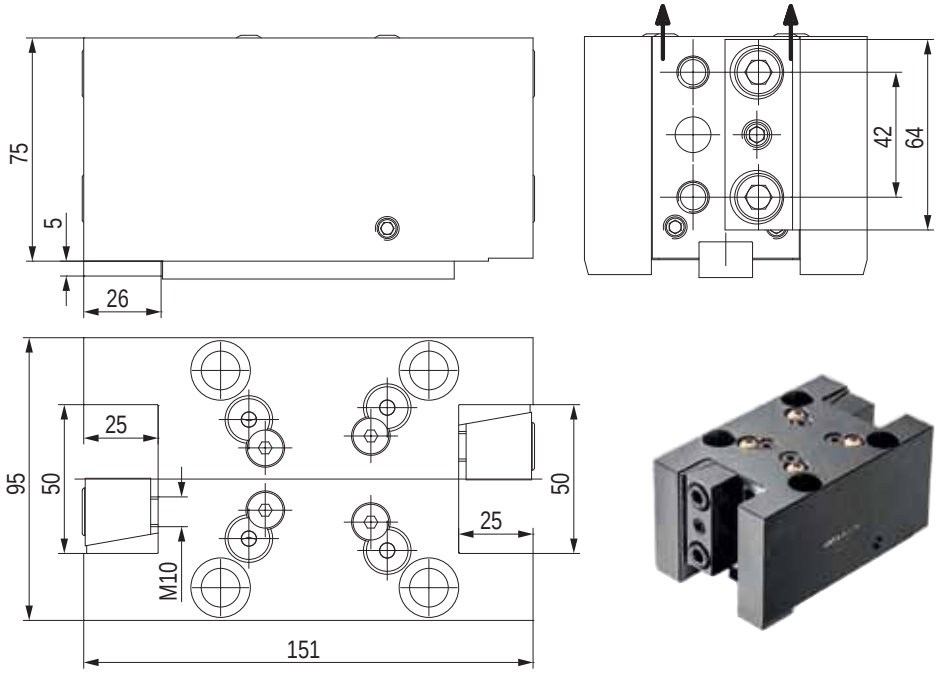


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



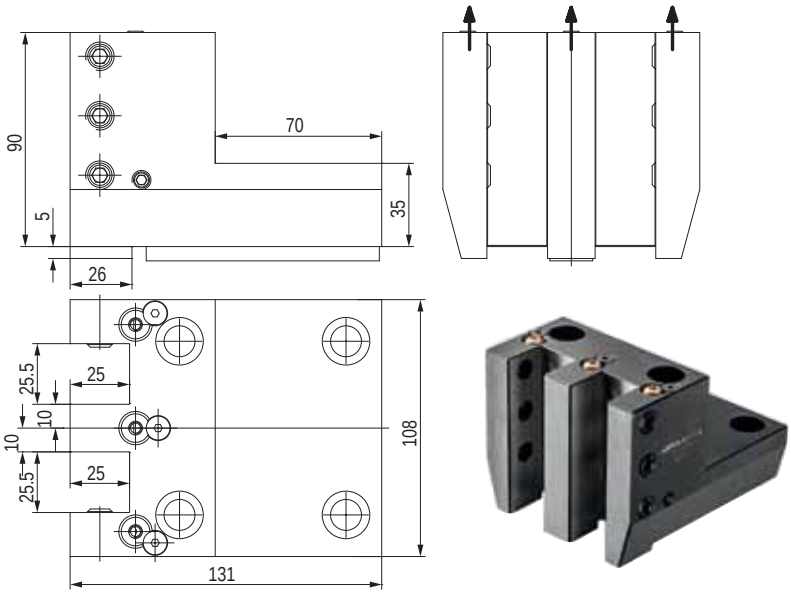
CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-41801	NO	832-007360	814-203310	811-101027	833-001470	811-108018
128-41801-IC	YES	832-007360	814-203310	811-101027	833-001470	811-108018

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



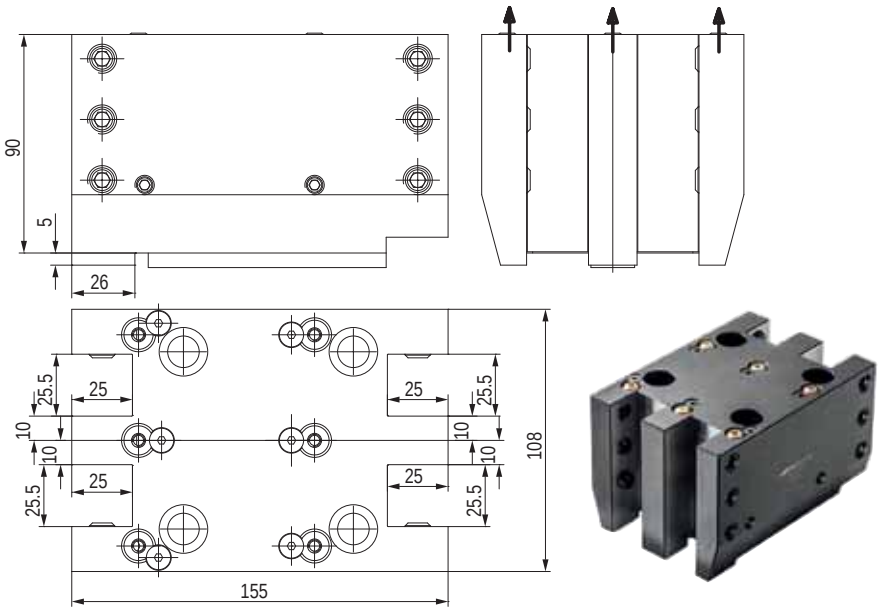
CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41802	832-007360	814-203310	811-101027	833-001470	811-108018

PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



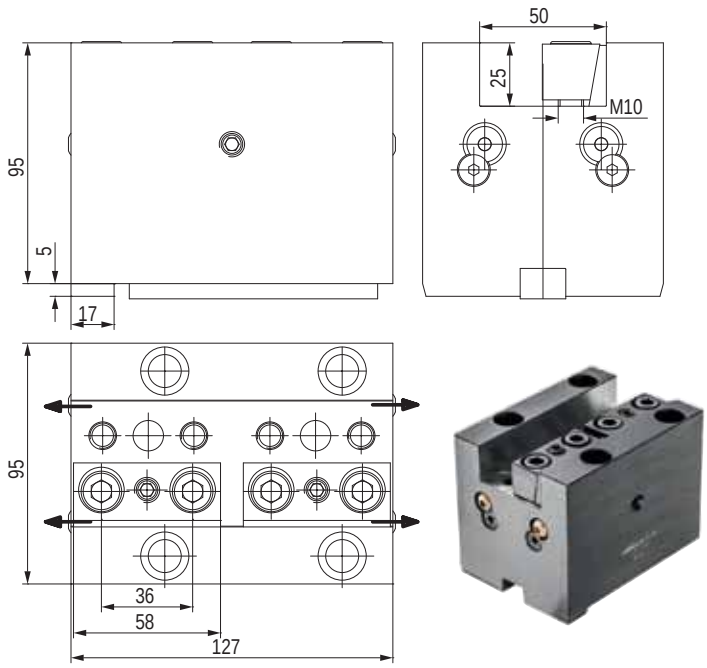
CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41803	811-102044	814-203310	811-101027	833-001410	811-108024

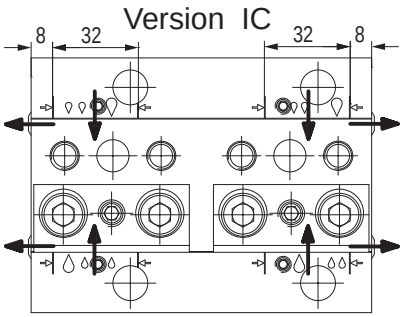
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41804	811-102044	814-203310	811-101027	833-001410	811-108024

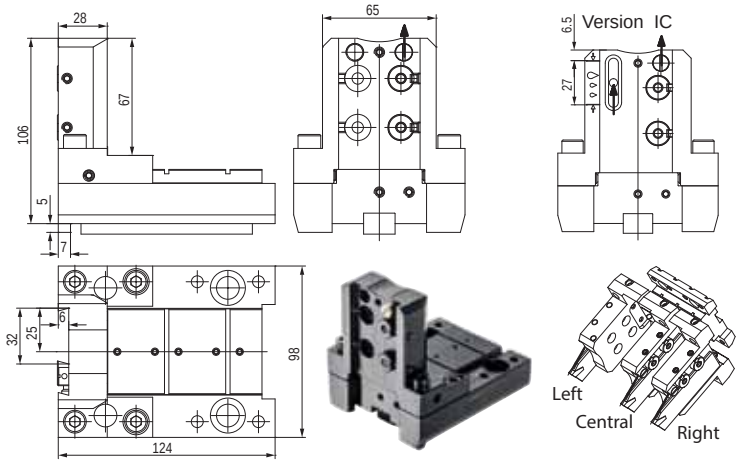
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS





CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-31802	NO	832-007570	814-203310	811-101027	833-001470	811-108018
128-31802-IC	YES	832-007570	814-203310	811-101027	833-001470	811-108018

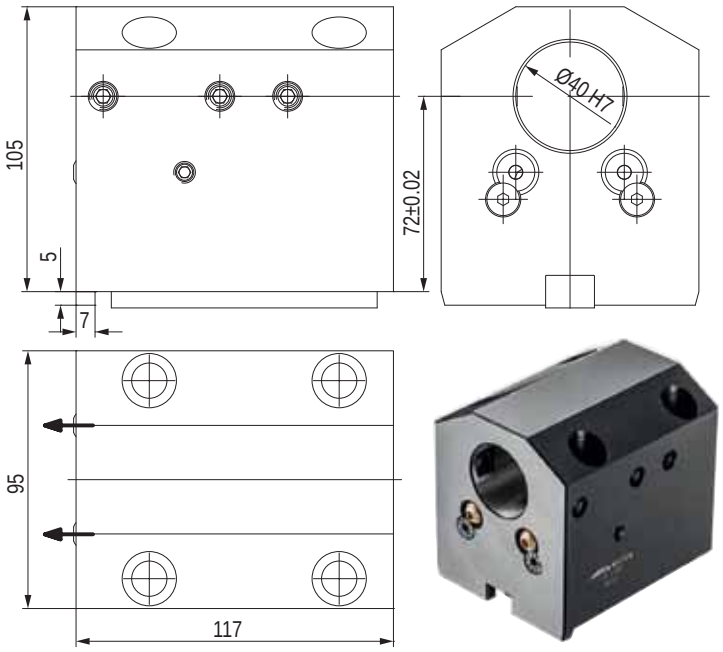
PORTALAMA - CUT-OFF HOLDERS



CODE N.	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INT. COOLANT	O RING FOR BODY
128-11804	NO	814-203310	811-101026	833-001490	823-101058	-	823-101061
128-11804-IC	YES	814-203310	811-101026	833-001490	823-101058	823-201140	823-101061

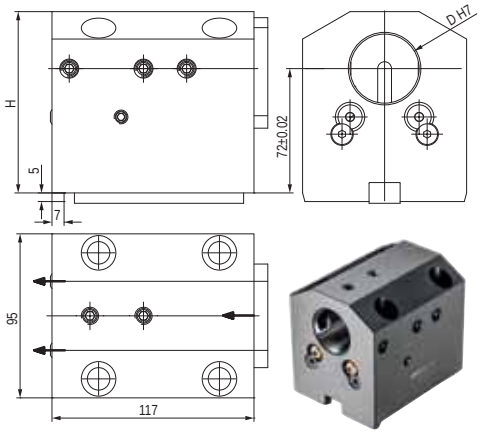
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
128-11804	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013
128-11804-IC	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013

PORTAUTENSILE PER BARENI - TOOLHOLDER FOR BORING BAR



CODE N.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-21801	811-102039	814-203310	811-101027	833-001470	811-108018

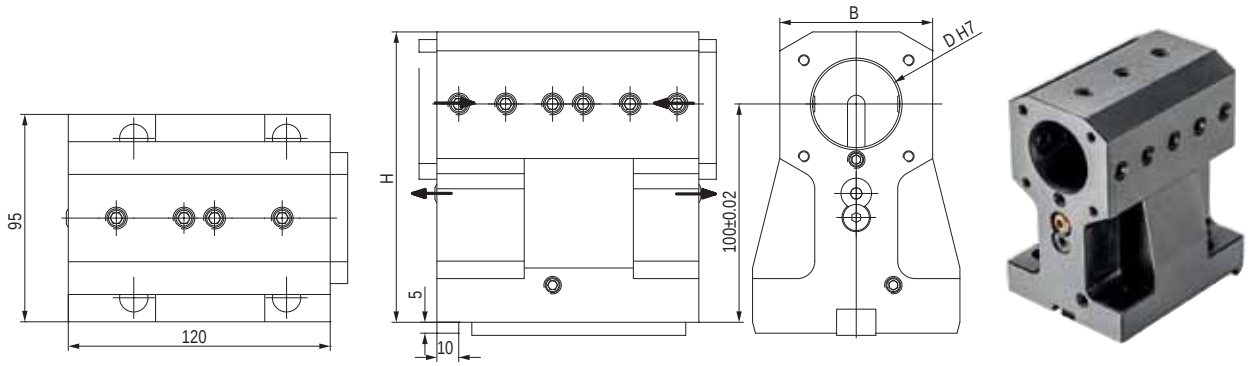
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	D	H	CLAMPING SCREW1 (M10X25 D40) - (M12X20 D50)	CLAMPING SCREW2 (M10X12 D40) - (M12X12 D50)	KEY	SCREW FOR KEY
128-21802	40	105	811-102039	811-102036	814-203310	811-101027
128-21805	50	109	811-102044	811-102064	814-203310	811-101027

CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21802	833-001470	811-108018	832-003363	811-101016
128-21805	833-001470	811-108018	832-003369	811-101016

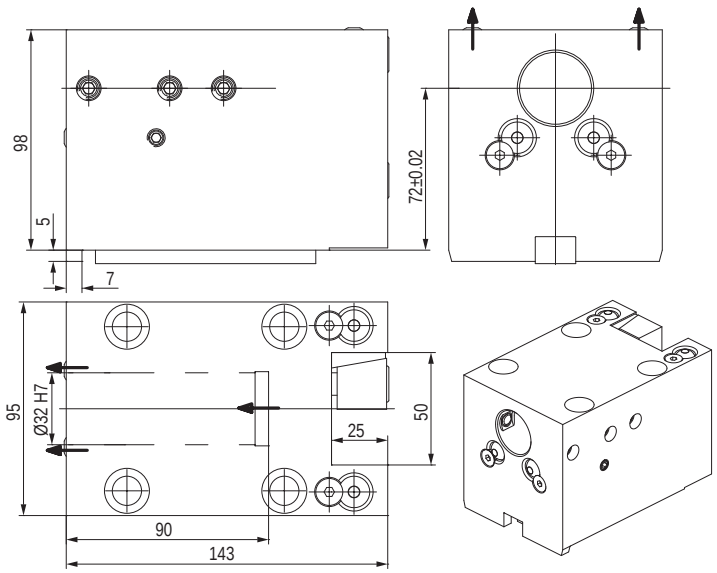
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

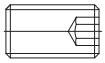
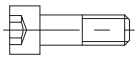
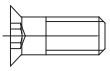


CODE N.	D	H	B	CLAMPING SCREW1 (M10X16 D40) - (M12X16 D50)	CLAMPING SCREW2 (M10X12 D40) - (M12X12 D50)	KEY	SCREW FOR KEY
128-21803	40	133	70	811-102037	811-102036	814-203310	811-101027
128-21806	50	137	80	811-102043	811-102064	814-203310	811-101027

CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21803	833-001470	811-108018	832-003363	811-101016
128-21806	833-001470	811-108018	832-003373	811-101016

PORTAUTENSILE COMBINATO PER BARENI E UTENSILI PER ESTERNI
COMBI TOOLHOLDER FOR BORING BAR AND EXTERNAL TOOLS

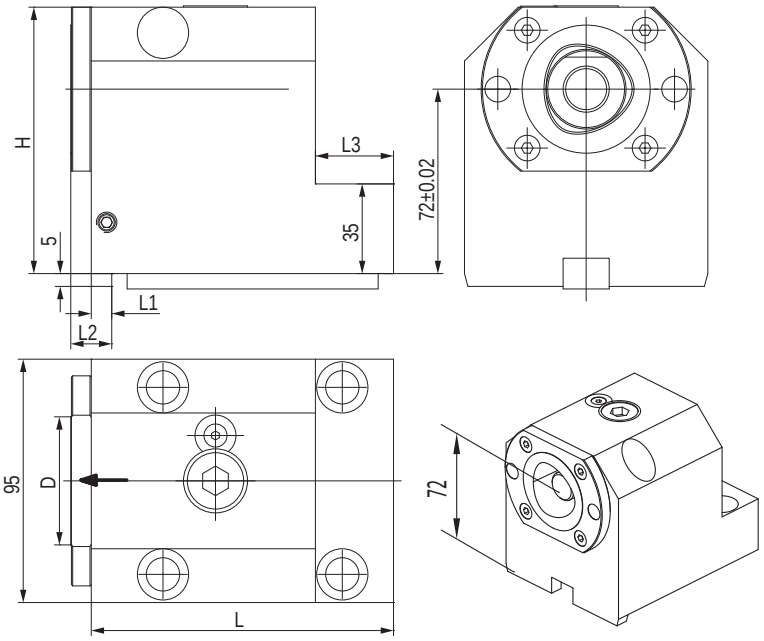


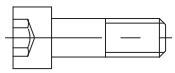
CODE N.	CLAMPING PLATE	CLAMPING SCREW COMP_2021-01	KEY COMP_2021-03	SCREW FOR KEY COMP_2021-04	COOLANT BALL COMP_2021-05	SCREW FOR BALL COMP_2021-06
						
128-11821	832-007360	811-102039	814-203310	811-101027	833-001470	811-108018

12

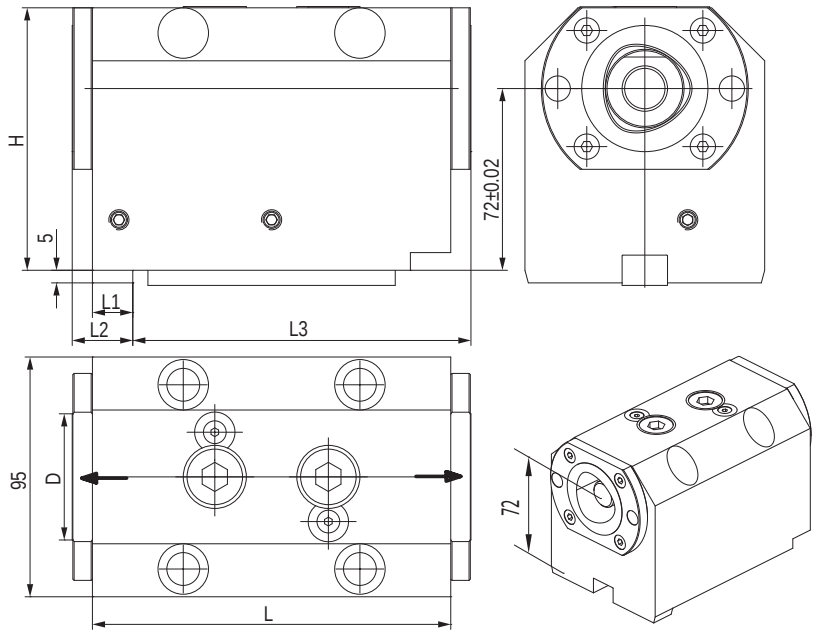
KINTEK

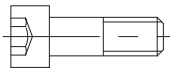
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



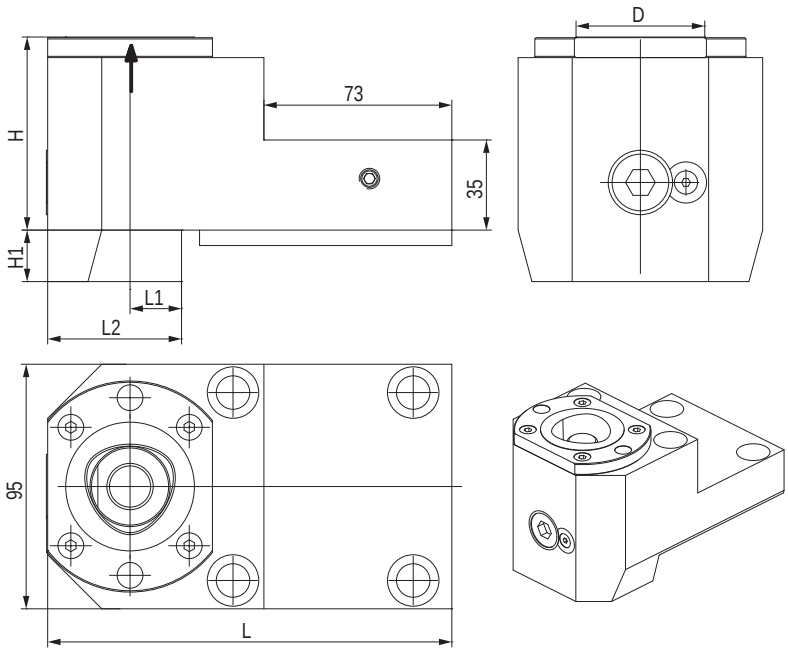
CODE N.	CAPTO	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
										
128-11817	C40	40	96	116	6	12	38	CXC40-10	814-203310	811-101027
128-11805	C50	50	104	118	8	16	30,5	CXC50-10	814-203310	811-101027

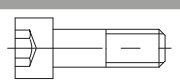
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



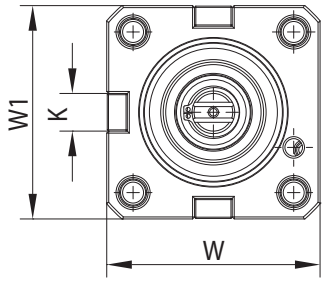
CODE N.	CAPTO	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
										
128-11818	C40	40	96	123	13	19	116	CXC40-10	814-203310	811-101027
128-11807	C50	50	104	142	16	24	134	CXC50-10	814-203310	811-101027

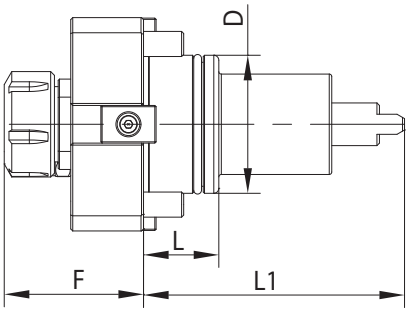
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



CODE N.	CAPTO	D	H	H1	L	L1	L2	CLAMPING UNIT	KEY	SCREW FOR KEY
										
128-11819	C40	40	70	13	141	12	36	CXC40-10	814-203310	811-101027
128-11809	C50	50	75	20	157	20	52	CXC50-10	814-203310	811-101027

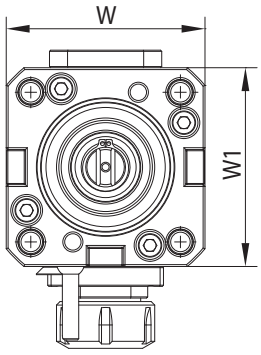
PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD

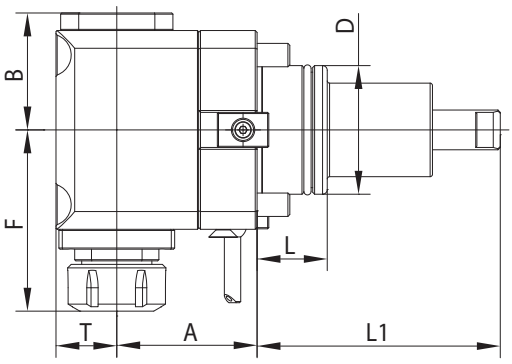




CODE N.	ER	D	F	K	L	L1	W	W1	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING
124-06501	ER32	65	75	18	32	112	94	94	6000	1:1	70	no
124-06508	ER32	65	75	18	32	112	94	94	6000	1:1	70	yes

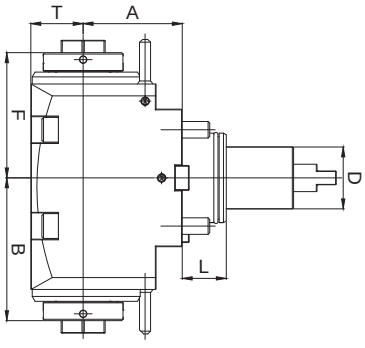
PORTAUTENSILE MOTORIZZATO RADIALE
RADIAL DRILLING AND MILLING HEAD





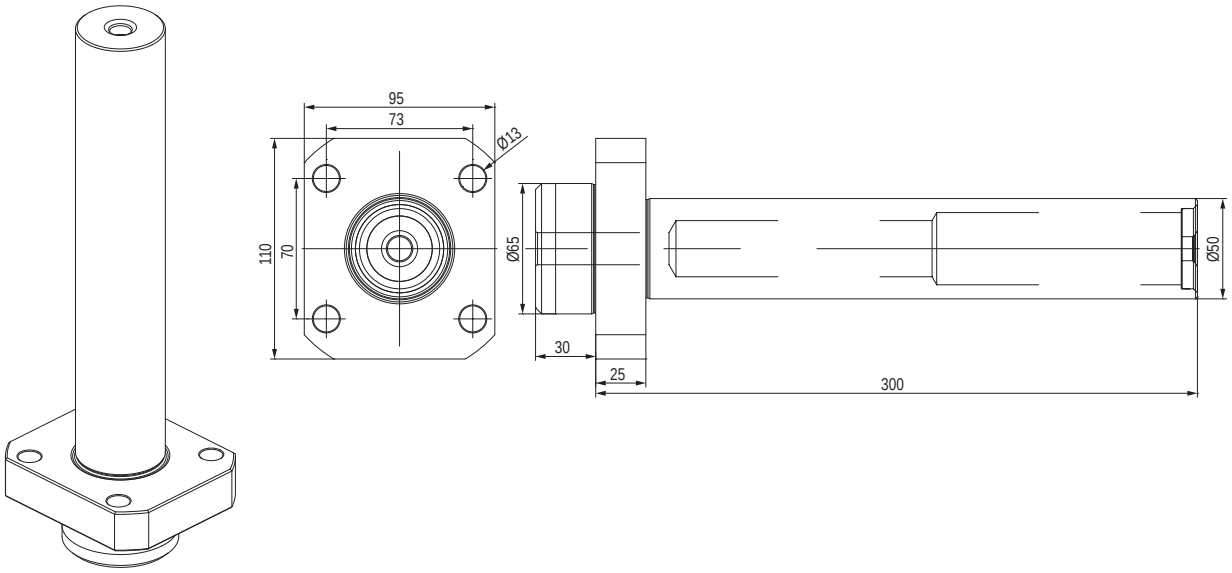
CODE N.	ER	D	A	B	F	L	L1	T	W	W1	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P BAR
124-06502	ER32	65	72	59	110	32	112	36	94	94	6000	1:1	40	no	-
124-06512	ER32	65	72	59	110	32	110	38	94	94	6000	1:1	40	yes	20
124-06521	ER32	65	72	59	110	32	110	38	94	94	6000	1:1	40	yes	80

PORTAUTENSILE MOTORIZZATO RADIALE DOPPIO
DOUBLE RADIAL DRILLING AND MILLING HEAD



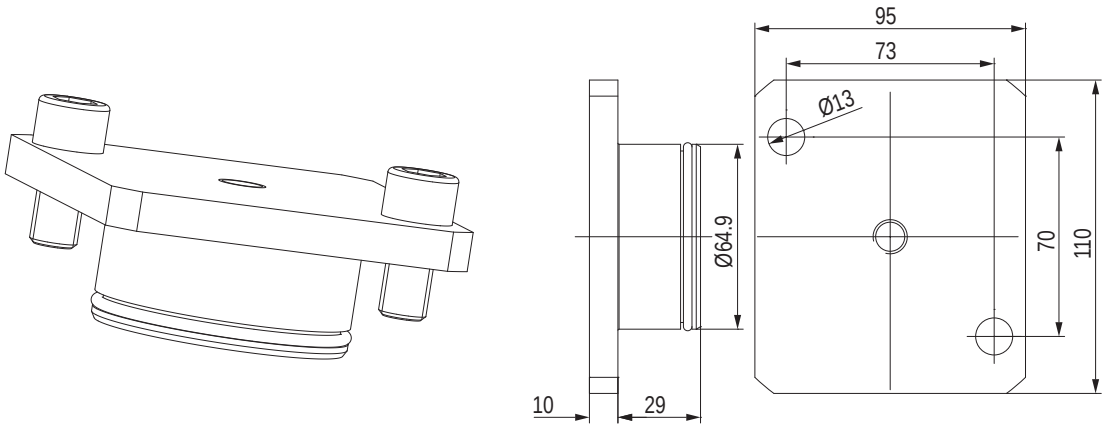
CODE N.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	TORQUE (Nm)	Nmax (rpm)	RATIO	P (bar)
124-06605	65	32	no	right/left	72	103.8	91	38	94	32	70	6000	1:1	-
124-06606	65	32	yes	right/left	72	103.8	91	38	94	32	70	6000	1:1	20

BARRA DI CONTROLLO - CONTROL PIN



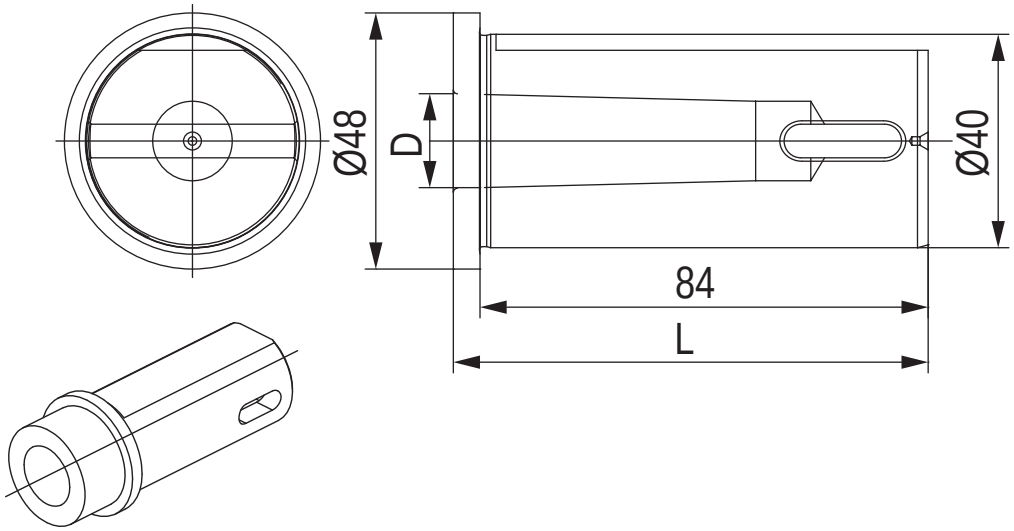
CODE N.
137-00199

TAPPO DI PROTEZIONE - PROTECTION COVER



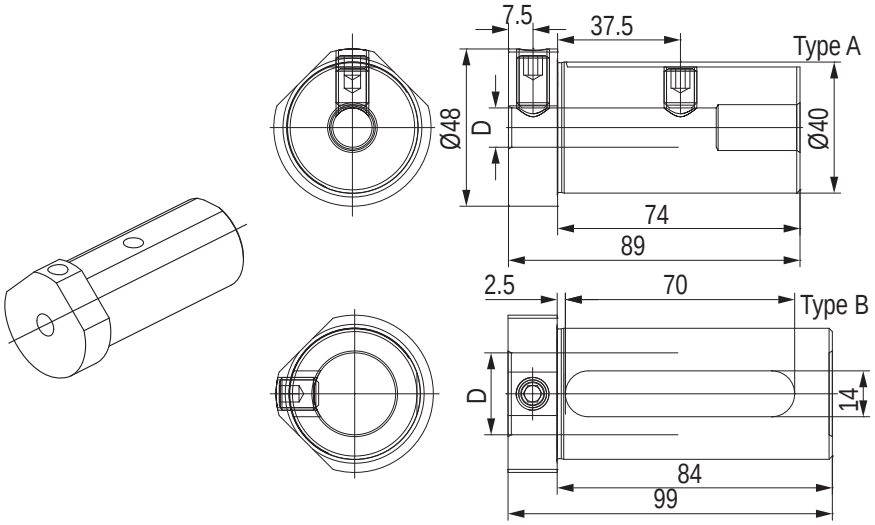
CODE N.	O RING
137-00254	823-101084

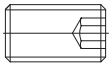
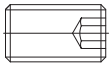
BUSSOLA PER PORTABARENO
DRILL SOCKET FOR TOOLHOLDER



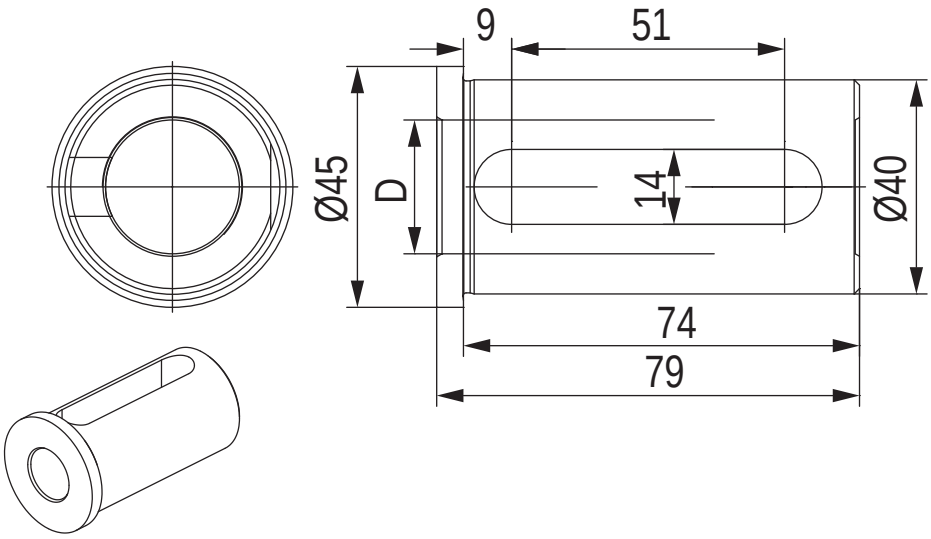
CODE N.	Ø	MORSE	D	L
114-34012	40	1	12,065	89
114-34013	40	2	17,780	89
114-34014	40	3	23,825	110

BUSSOLA PER PORTABARENO
DRILL SOCKET FOR TOOLHOLDER



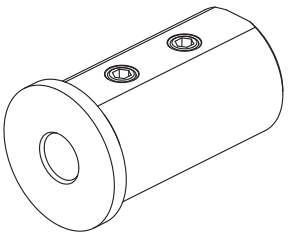
CODE N.	Ø	D	TYPE	SCREW1	SCREW2
					
165-64089	40	10	A	811-102037	811-102036
165-64090	40	12	A	811-102037	811-102036
165-64091	40	16	A	811-102037	811-102035
165-64092	40	20	B	811-102036	-
165-64093	40	25	B	811-102036	-
165-64094	40	32	B	811-102035	-

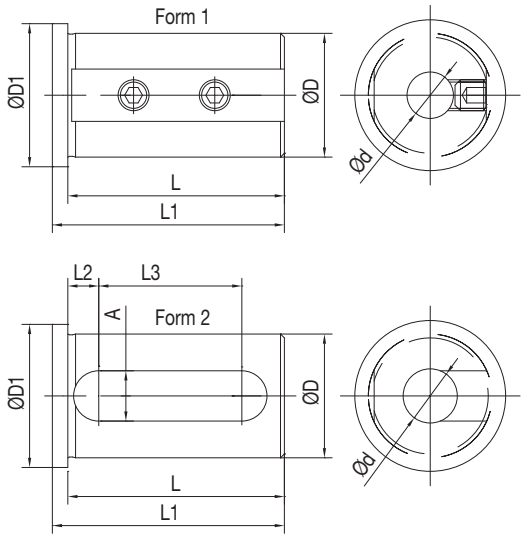
BUSSOLA PER PORTABARENO
DRILL SOCKET FOR TOOLHOLDER



CODE N.	Ø	D
165-64095	40	20
165-64096	40	25
165-64097	40	32

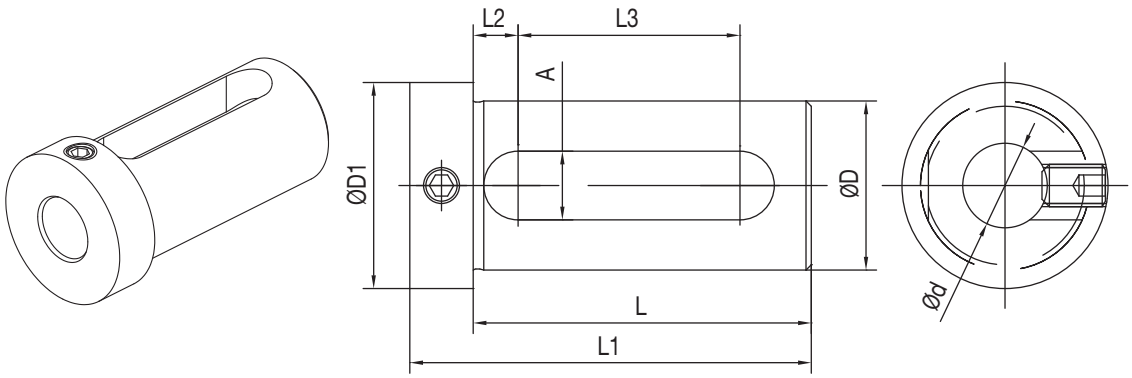
BUSSOLA PER PORTABARENO
BORING BAR SLEEVE FOR TOOLHOLDER





CODE N.	D	D	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

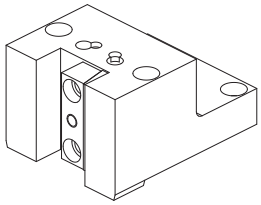


CODE N.	D	D	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48
165-65017	50	25	84	98	9	61	14	59
165-65018	50	32	84	98	9	61	14	59
165-65019	50	40	84	98	9	61	14	59

DOOSAN PUMA (BMT75)

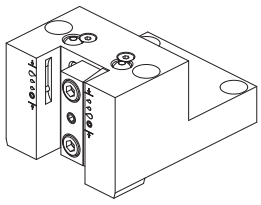
400/480 (M,LM,XLM)
500 (M)
V550(M)
VT750 (TM, 2SP)

SAMSUNG PL 45LM
HYUNDAI WIA LV800RM /SKT-V80R
RM / SKT400M / MA / MC / LMC
HWACHEON HI-TECH 550 / 700 / 7026
VT-550

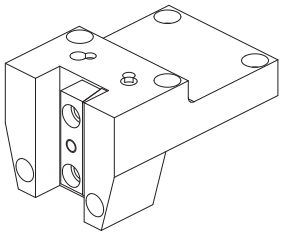


Face and O.D. cutting holder

128-42508 25x25 mm
128-42516 32x32 mm



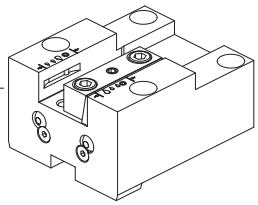
128-42508-IC 25x25 mm I.Coolant



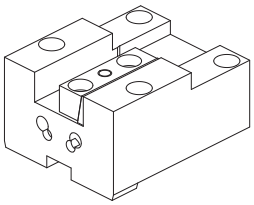
Face and O.D. cutting holder

128-42509 25x25 mm
128-42510 32x32 mm

Qualified tool



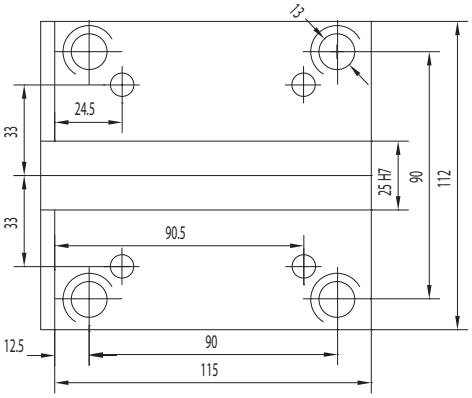
128-32506-IC 25x25 mm I.Coolant



Face and O.D. cutting holder

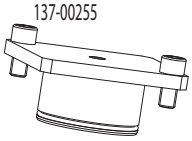
128-32506 25x25 mm

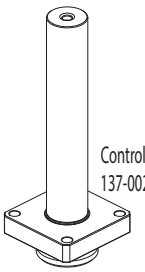
CONNECTION



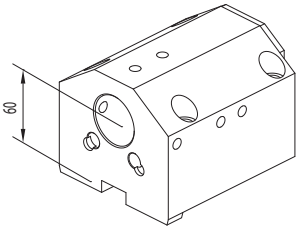
ACCESSORIES

Protection cover
137-00255



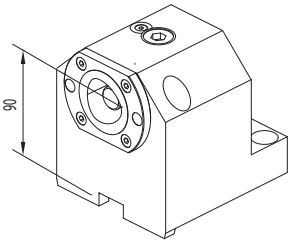


Control pin
137-00200



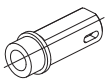
Combi toolholder for boring bar and insertdrill

128-22522 Ø40 mm
128-22523 Ø50 mm
128-22539 Ø60 mm

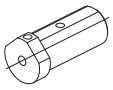


Boring bar holder Poligonal

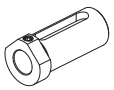
128-12515 (C50)
128-12528 (C63)
NEWS



Drill socket D40
114-34012 <MT1>
114-34013 <MT2>
114-34014 <MT3>

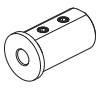


Boring bar sleeve D40
165-64089 (Ø10)
165-64090 (Ø12)
165-64091 (Ø16)

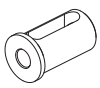


Boring bar sleeve D40
165-64092 (Ø20)
165-64093 (Ø25)
165-64094 (Ø32)

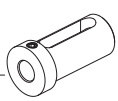
Throw-away drill socket D40
165-64095 (Ø20)
165-64096 (Ø25)
165-64097 (Ø32)



Boring bar sleeve D40
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



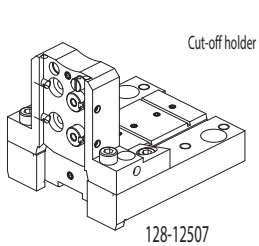
Boring bar sleeve D40
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)



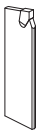
Boring bar sleeve D40
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

Boring bar sleeve D50
165-65017 (Ø25)
165-65018 (Ø32)
165-65019 (Ø40)

Boring bar sleeve D60
165-66056 (Ø25)
165-66057 (Ø32)
165-66058 (Ø40)
165-66059 (Ø50)

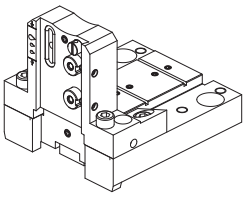


Cut-off holder

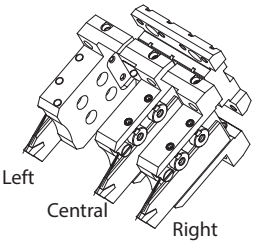


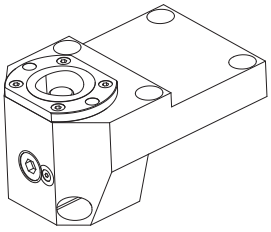
Cut-off tool
32 mm

128-12507



128-12507-IC I.Coolant





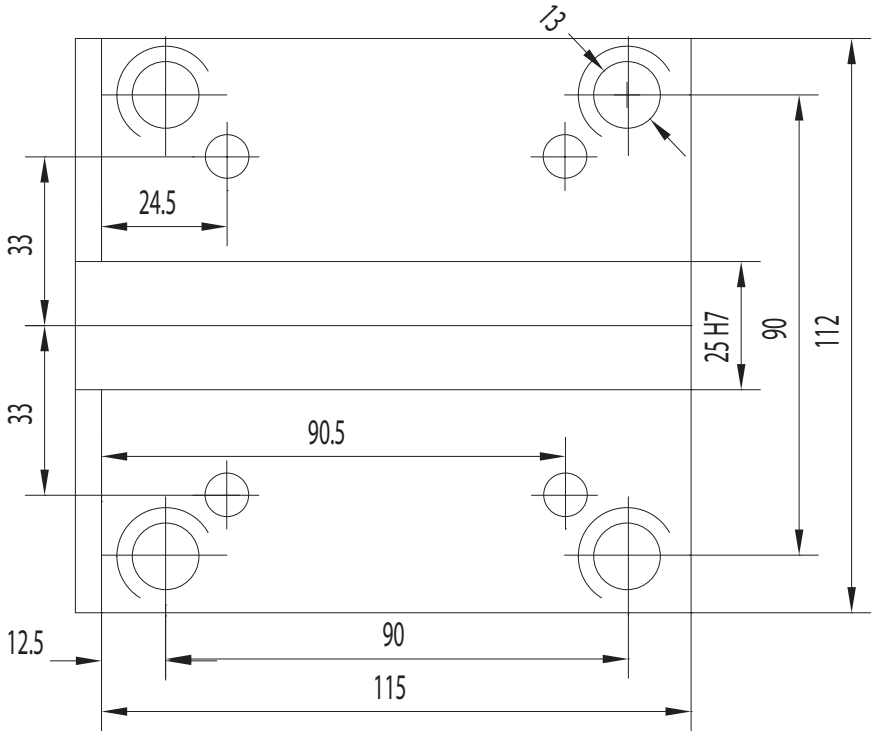
Face and O.D. cutting holder
Poligonal

128-12517 (C50)
128-12529 (C63)
NEWS

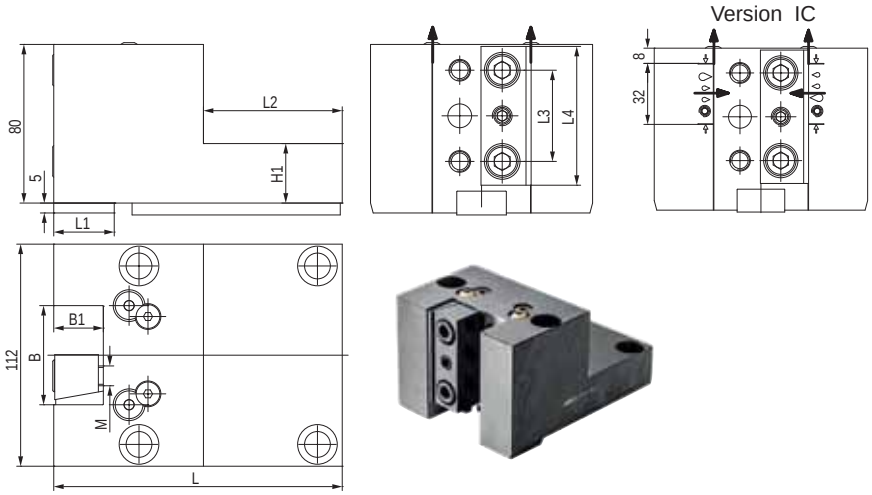
12

KINTEK

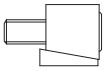
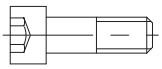
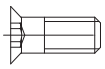
CONNECTION



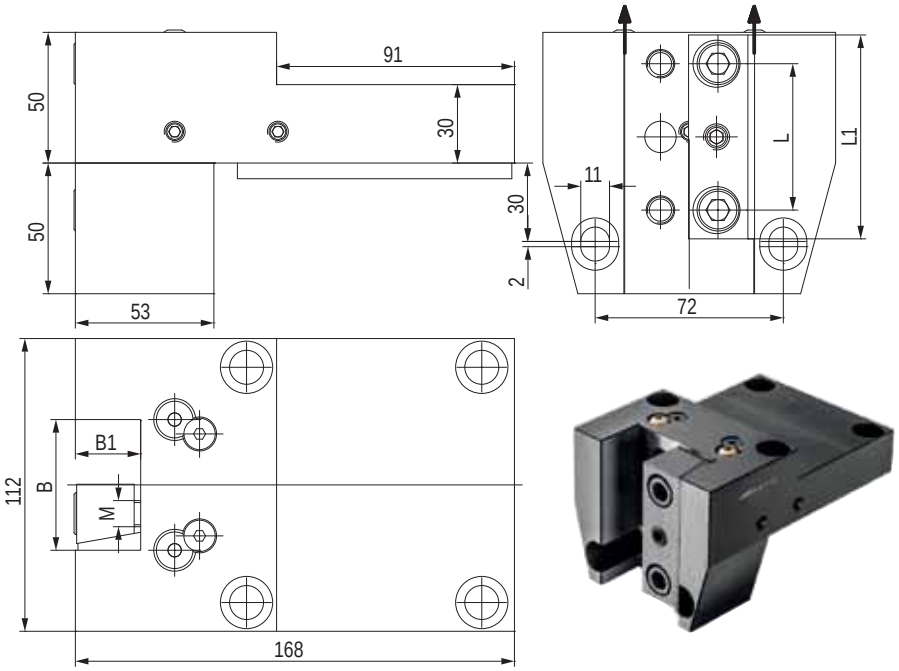
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

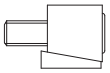
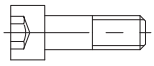
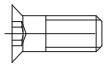


CODE N.	INTERNAL COOLANT	B	B1	H1	L	L1	L2	L3	L4	M
128-42508	NO	50	25	30	145.5	30.5	70	46	70	M10
128-42508-IC	YES	50	25	30	145.5	30.5	70	46	70	M10
128-42516	NO	64	32	45	152.5	35	80	52	76	M12

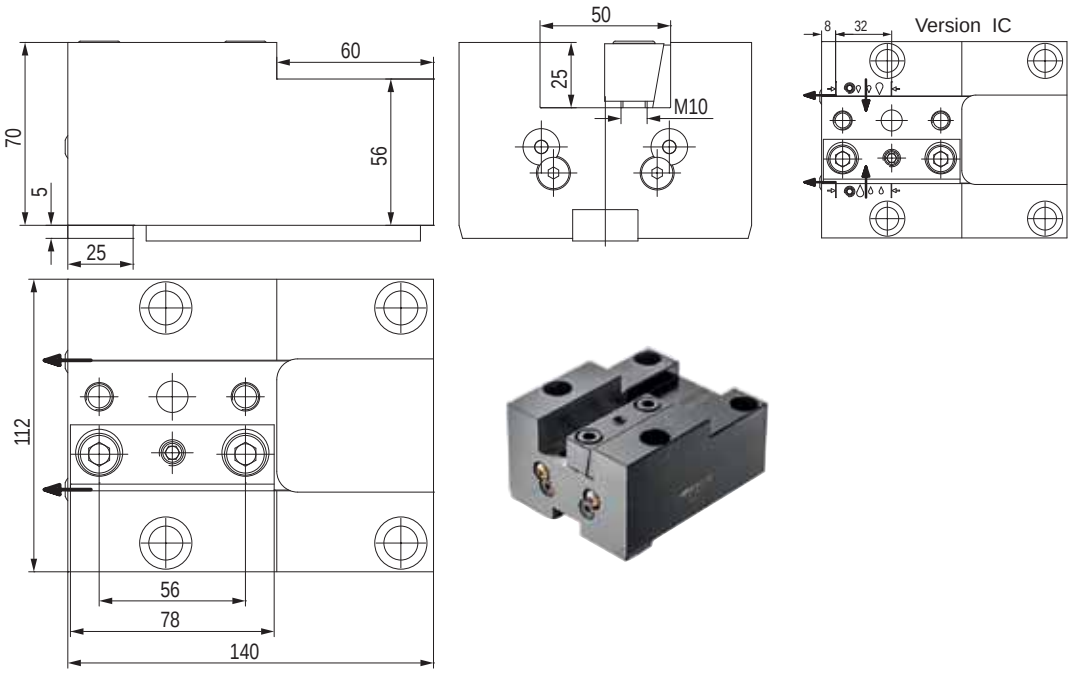
CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-42508	832-007010	814-203480	811-101027	833-001470	811-108018
128-42508-IC	832-007010	814-203480	811-101027	833-001470	811-108018
128-42516	832-007970	814-203480	811-101027	833-001470	811-108018

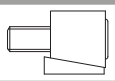
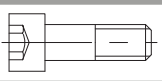
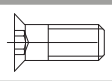
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



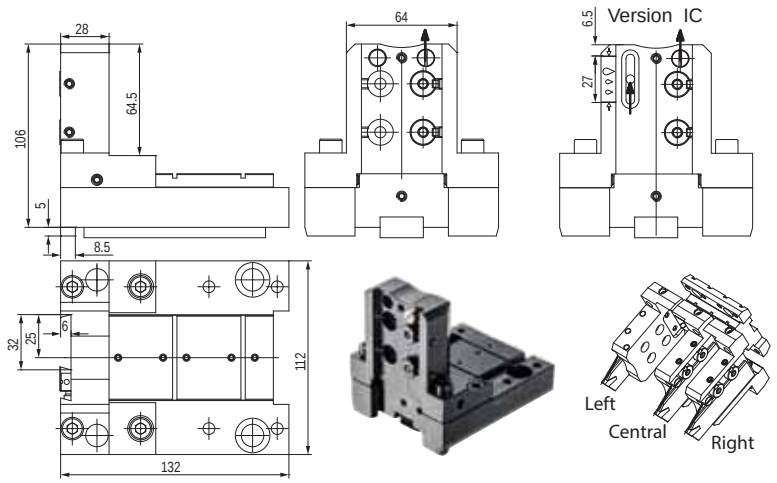
CODE N.	B	B1	L	L1	M	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
										
128-42509	50	25	56	78	M10	832-007340	814-203480	811-101027	833-001470	811-108018
128-42510	64	32	60	88	M12	832-007170	814-203480	811-101027	833-001470	811-108018

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



CODE N.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-32506	NO	832-007340	814-203480	811-101027	833-001470	811-108018
128-32506-IC	YES	832-007340	814-203480	811-101027	833-001470	811-108018

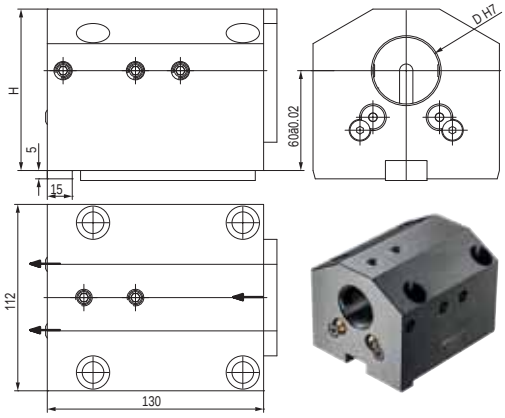
PORTALAMA - CUT-OFF TOOLHOLDERS



CODE N.	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INT. COOLANT	O RING FOR BODY
128-12507	NO	814-203480	811-101026	833-001490	823-101058	-	823-101061
128-12507-IC	YES	814-203480	811-101026	833-001490	823-101058	823-201140	823-101061

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
128-12507	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013
128-12507-IC	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013

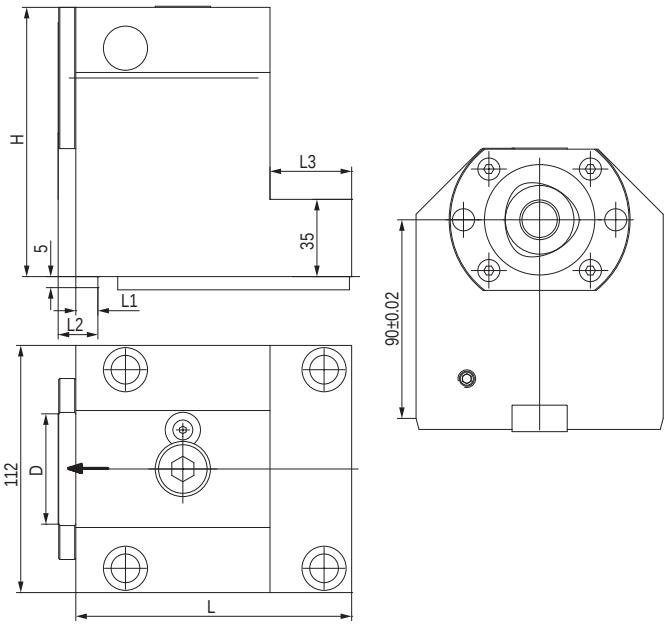
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



CODE N.	D	H	CLAMPING SCREW1 (D40-M10X30) (D50-M12X30) (D60-M12X25)	CLAMPING SCREW2 (D40-M10X16) - (D50-M12X12)	KEY	SCREW FOR KEY
128-22522	40	97	811-102040	811-102037	814-203480	811-101027
128-22523	50	97	811-102046	811-102064	814-203480	811-101027
128-22539	60	102	811-102045	811-102064	814-203480	811-101027

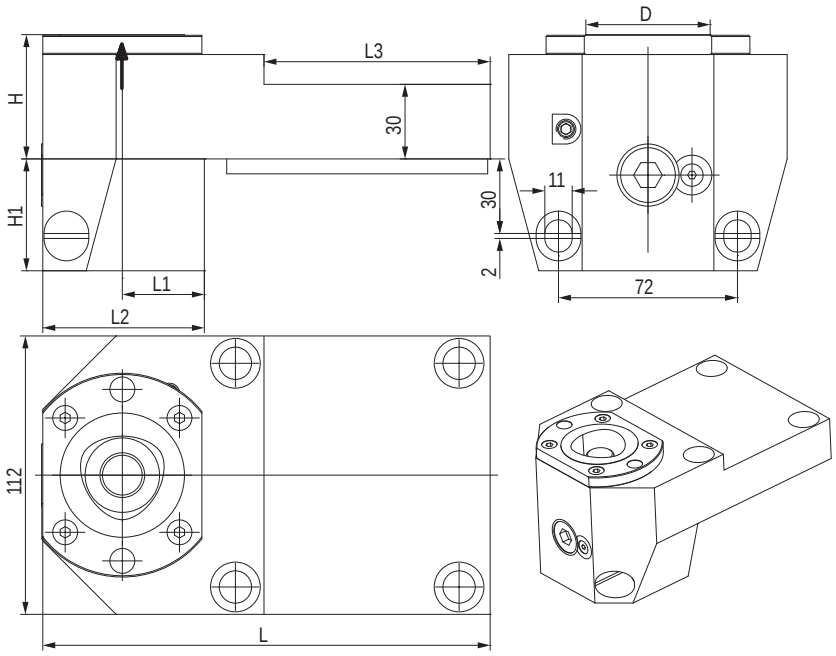
CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-22522	833-001470	811-108018	832-003369	811-101016
128-22523	833-001470	811-108018	832-003369	811-101016
128-22539	833-001470	811-108018	832-003385	811-101016

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



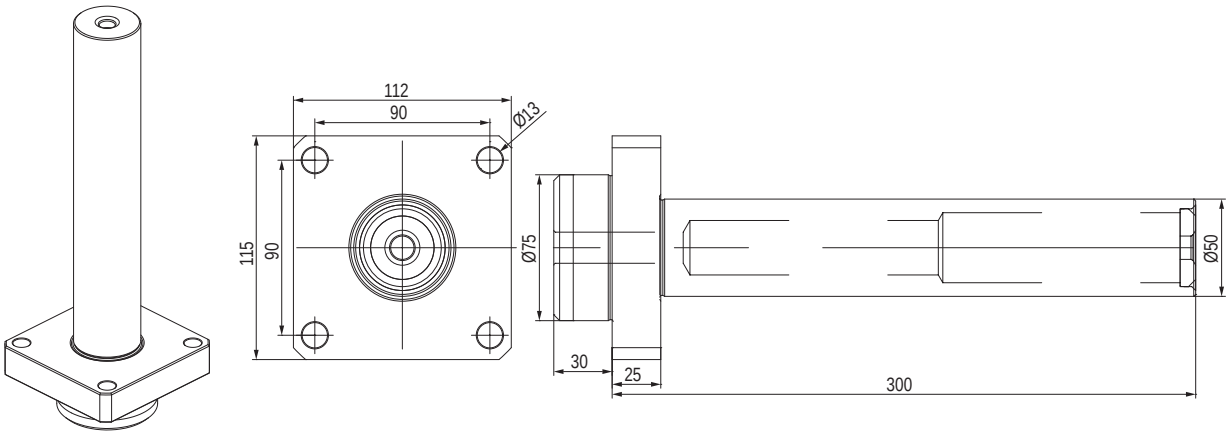
CODE N.	CAPTO	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
128-12515	C50	50	92	125	10	18	37	CXC50-10	814-203480	811-101027
128-12528	C63	63	102	127	12	21	-	CXC63-10	814-203480	811-101027

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



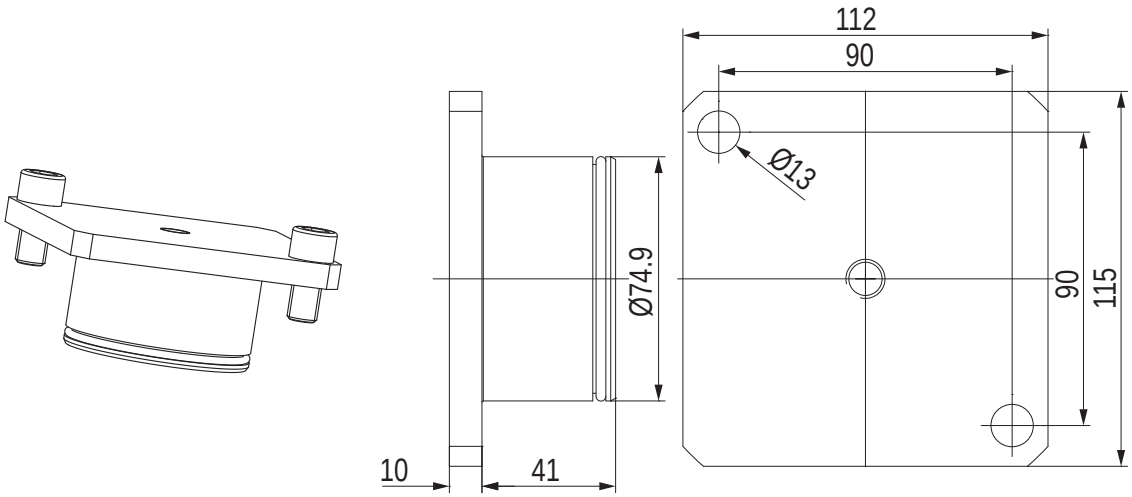
CODE N.	CAPTO	D	H	H1	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
128-12517	C50	50	50	45	180	33	65	91	CXC50-10	814-203480	811-101027
128-12529	C63	63	45	57	204	47	89	120	CXC63-10	814-203480	811-101027

BARRA DI CONTROLLO - CONTROL PIN



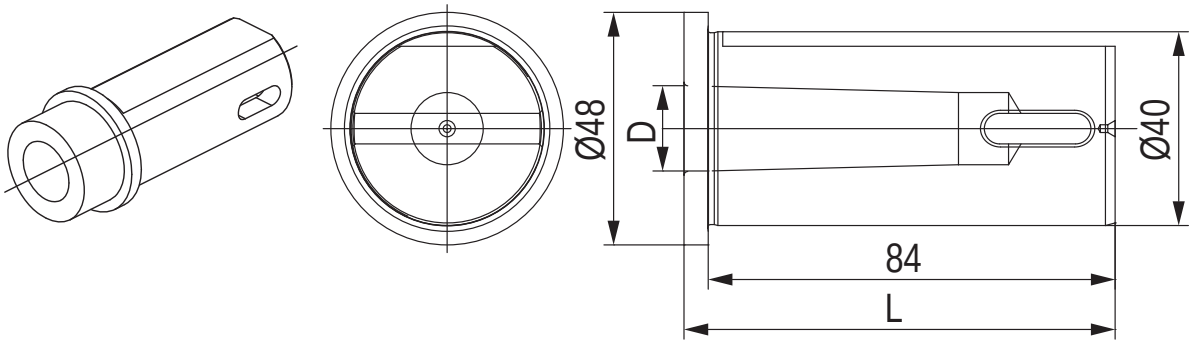
CODE N.
137-00200

TAPPO DI PROTEZIONE - PROTECTION COVER



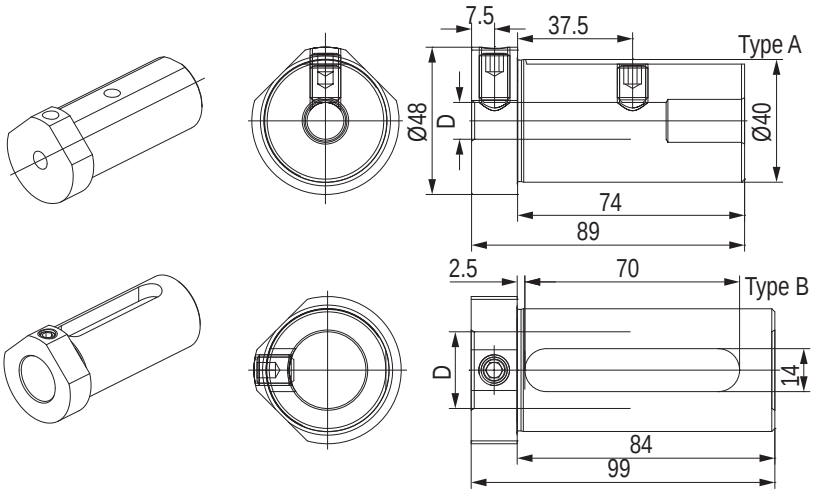
CODE N.	O RING
137-00255	823-101115

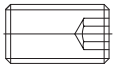
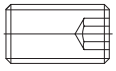
BUSSOLA PER PORTABARENI
DRILL SOCKET FOR TOOLHOLDER



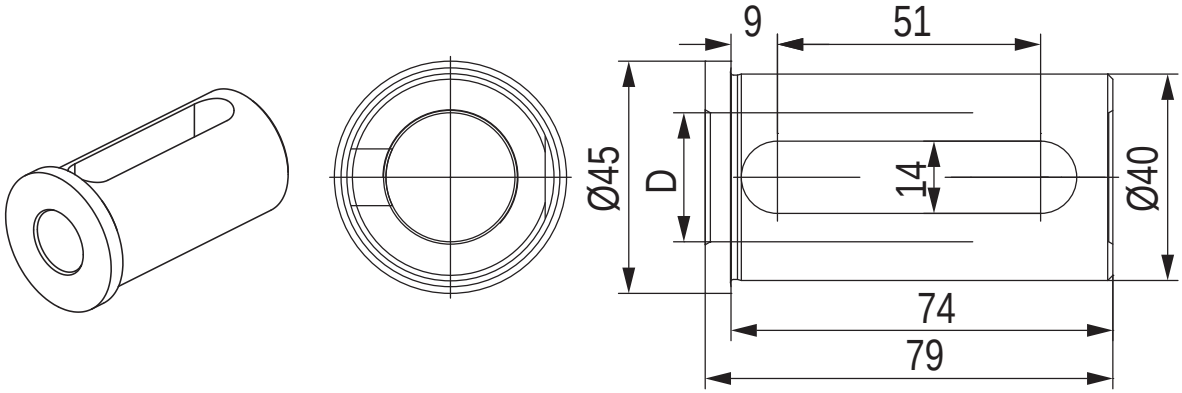
CODE N.	Ø	MORSE	D	L
114-34012	40	1	12,065	89
114-34013	40	2	17,780	89
114-34014	40	3	23,825	110

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



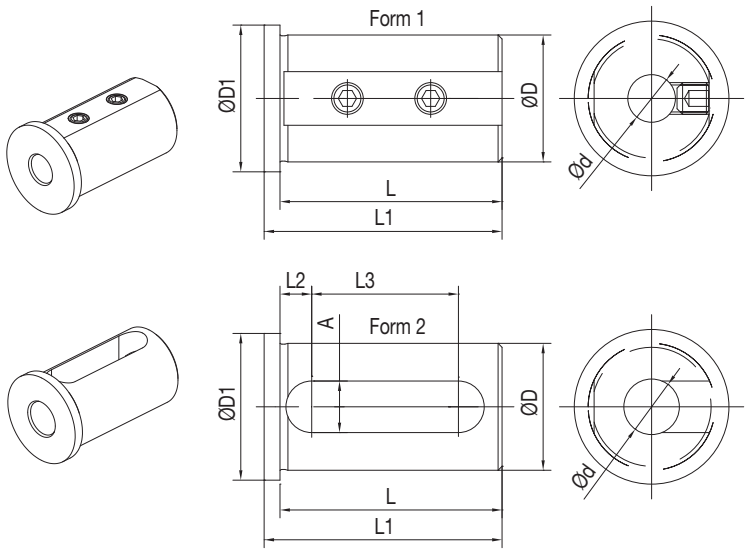
CODE N.	Ø	D	TYPE	SCREW1	SCREW2
					
165-64089	40	10	A	811-102037	811-102036
165-64090	40	12	A	811-102037	811-102036
165-64091	40	16	A	811-102037	811-102035
165-64092	40	20	B	811-102036	-
165-64093	40	25	B	811-102036	-
165-64094	40	32	B	811-102035	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



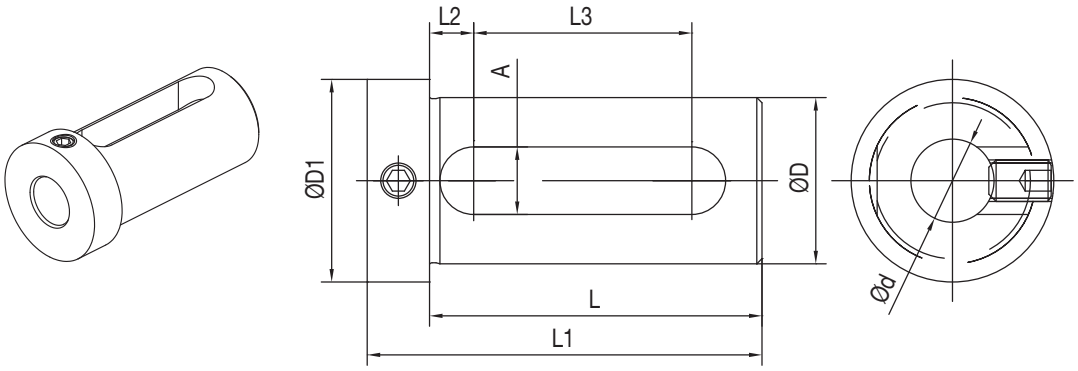
CODE N.	Ø	D
165-64095	40	20
165-64096	40	25
165-64097	40	32

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

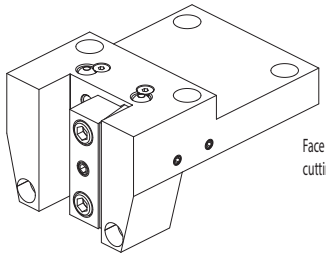
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48
165-65017	50	25	84	98	9	61	14	59
165-65018	50	32	84	98	9	61	14	59
165-65019	50	40	84	98	9	61	14	59
165-66056	60	25	94	108	9	71	14	69
165-66057	60	32	94	108	9	71	14	69
165-66058	60	40	94	108	9	71	14	69
165-66059	60	50	94	108	9	71	14	69

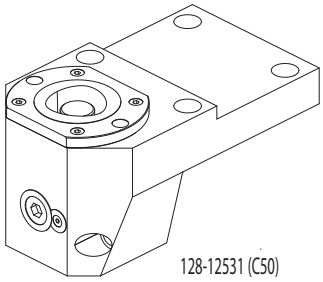
DOOSAN PUMA
(BMT85)

600M/LM
700M/LM
800M/LM
VT900M/TM
VT1100M



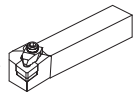
Face and O.D. cutting holder

128-42513

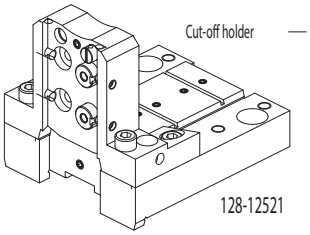


Face and O.D. cutting holder
Poligonal

128-12531 (C50)
128-12520 (C63)



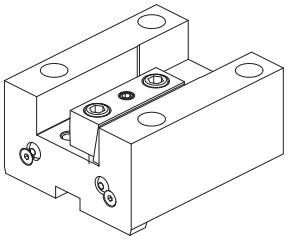
Qualified tool
32x32 mm



Cut-off holder

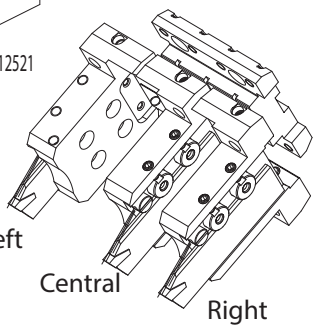
Cut-off tool
32 mm

128-12521



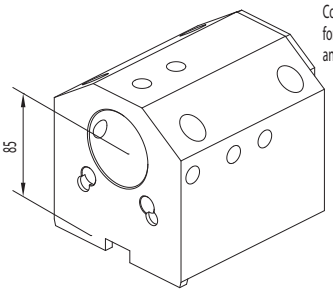
Face and O.D. cutting holder

128-32509



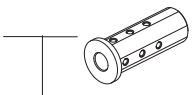
Left
Central
Right

ACCESSORIES



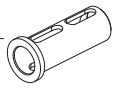
Combi toolholder for boring bar and insertdrill

128-22528 Ø50 mm
128-22529 Ø60 mm



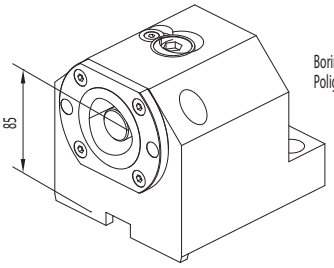
Boring bar sleeve D50
115-65053 (Ø12)
115-65013 (Ø16)
115-65014 (Ø20)
115-65015 (Ø25)
115-65016 (Ø32)

Boring bar sleeve D60
115-66017 (Ø20)
115-66018 (Ø25)
115-66019 (Ø32)
115-66020 (Ø40)



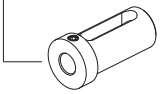
Boring bar sleeve D50
115-65017 (Ø40)

Boring bar sleeve D60
115-66021 (Ø50)



Boring bar holder
Poligonal

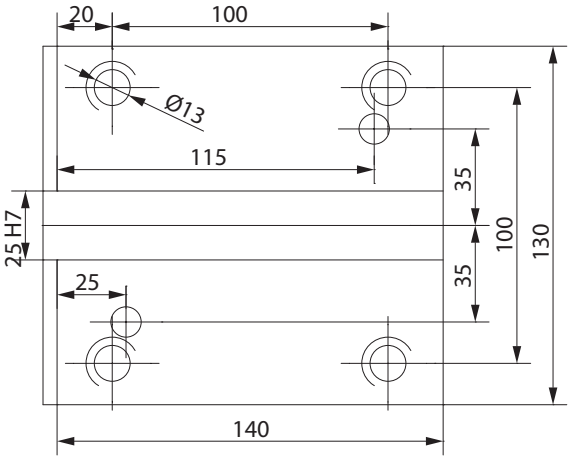
128-12530 (C50)
128-12519 (C63)

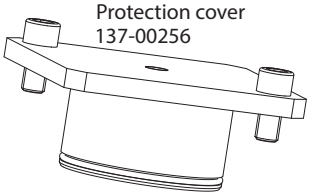


Boring bar sleeve D50
165-65017 (Ø25)
165-65018 (Ø32)
165-65019 (Ø40)

Boring bar sleeve D60
165-66056 (Ø25)
165-66057 (Ø32)
165-66058 (Ø40)
165-66059 (Ø50)

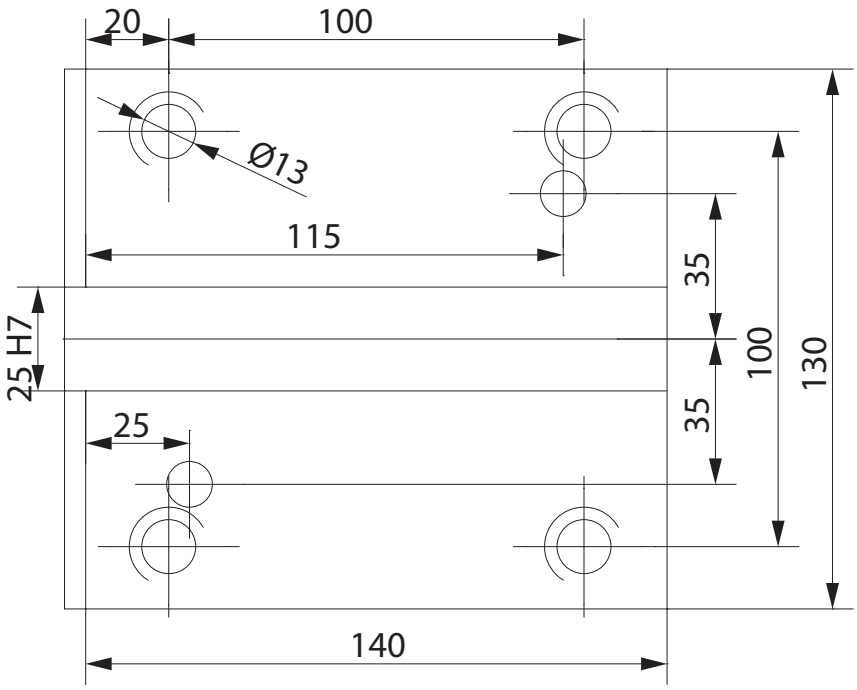
CONNECTION



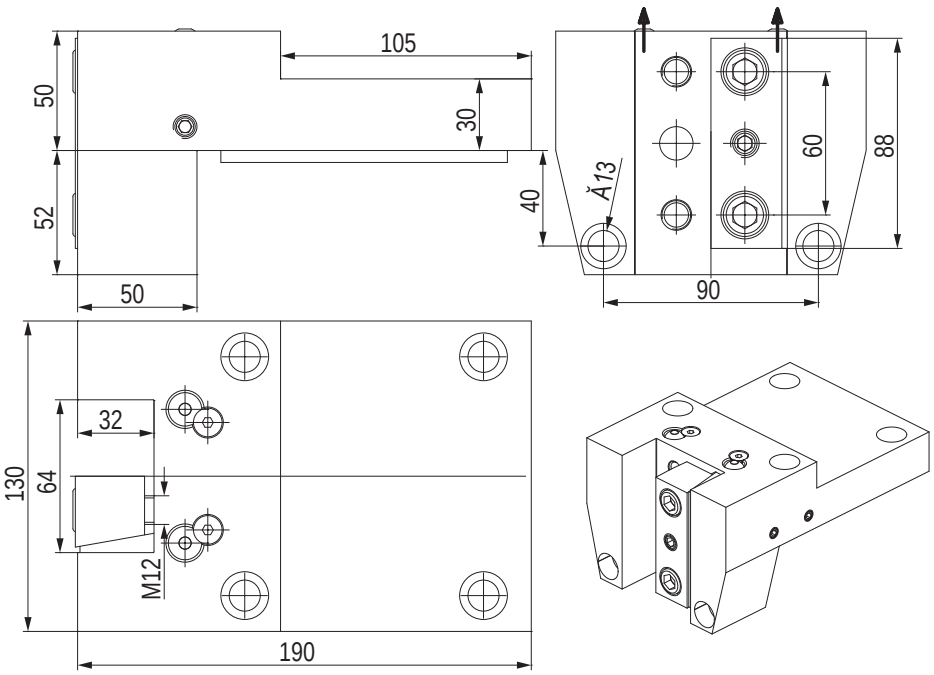


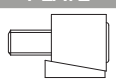
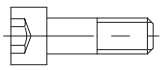
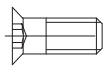
Protection cover
137-00256

CONNECTION

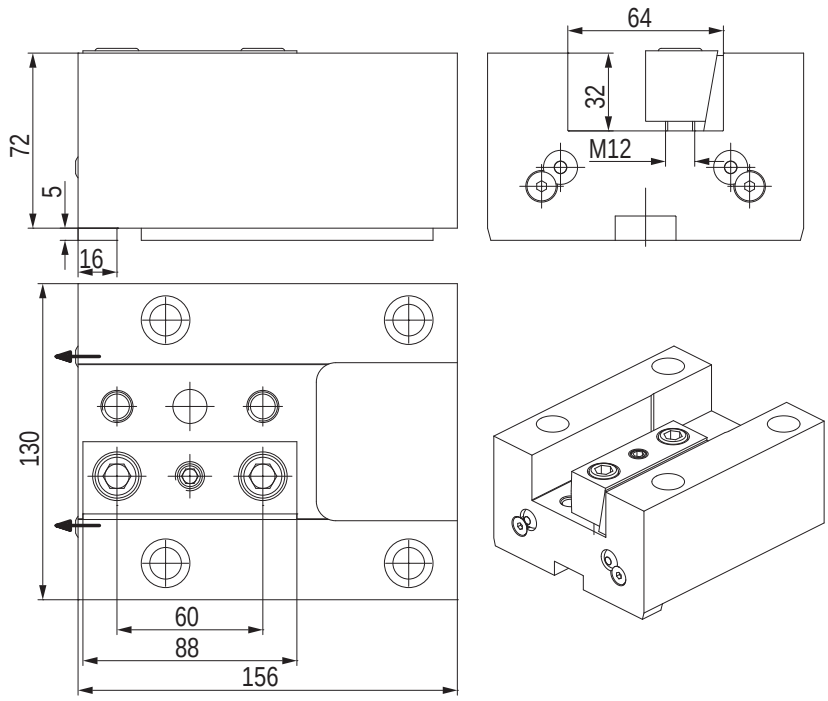


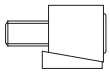
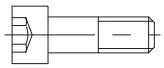
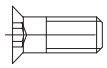
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



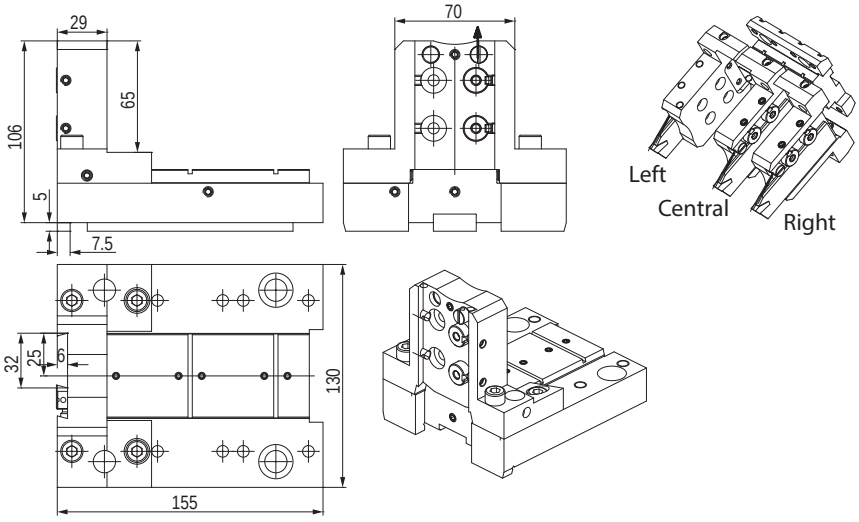
CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-42513	832-007170	814-203350	811-101027	833-001470	811-108018

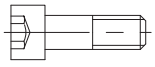
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

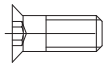
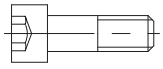
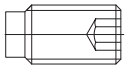


CODE N.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-32509	832-007170	814-203350	811-101027	833-001470	811-108018

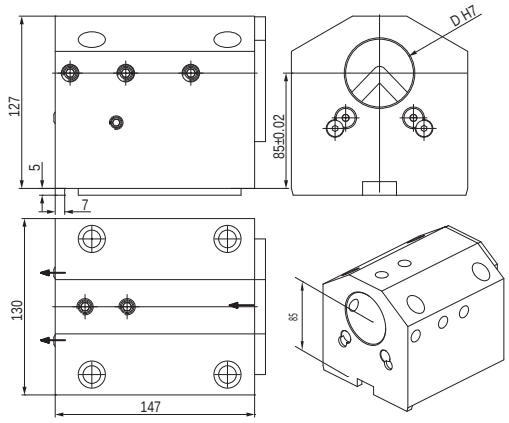
PORTALAMA - CUT-OFF HOLDERS

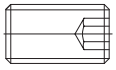
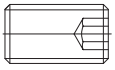
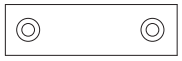
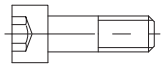


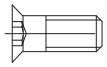
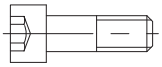
CODE N.	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY
					
128-12521	814-203350	811-101026	833-001490	823-101058	823-101061

CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
128-12521	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013

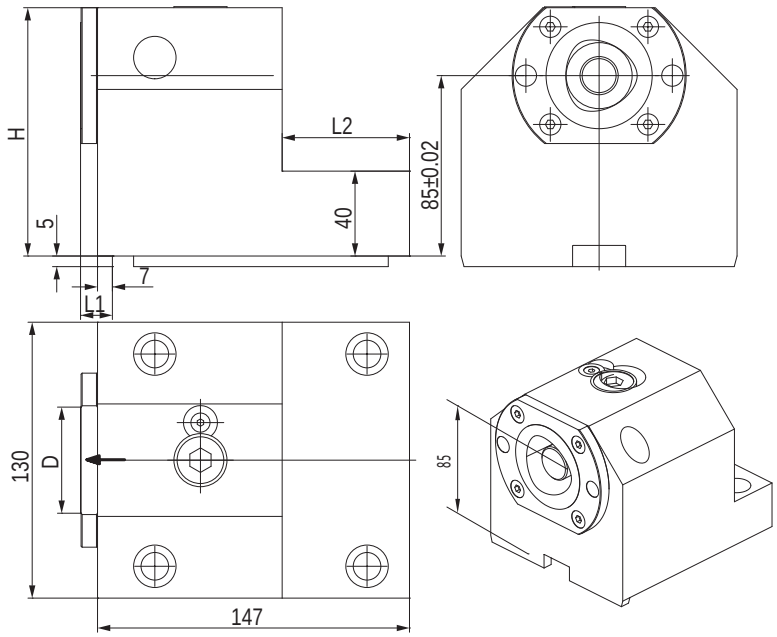
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

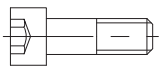


CODE N.	D	CLAMPING SCREW1 (M12X35)	CLAMPING SCREW2 (D50-M12X16) - (D60-M12X12)	KEY	SCREW FOR KEY
					
128-22528	50	811-102047	811-102043	814-203350	811-101027
128-22529	60	811-102047	811-102064	814-203350	811-101027

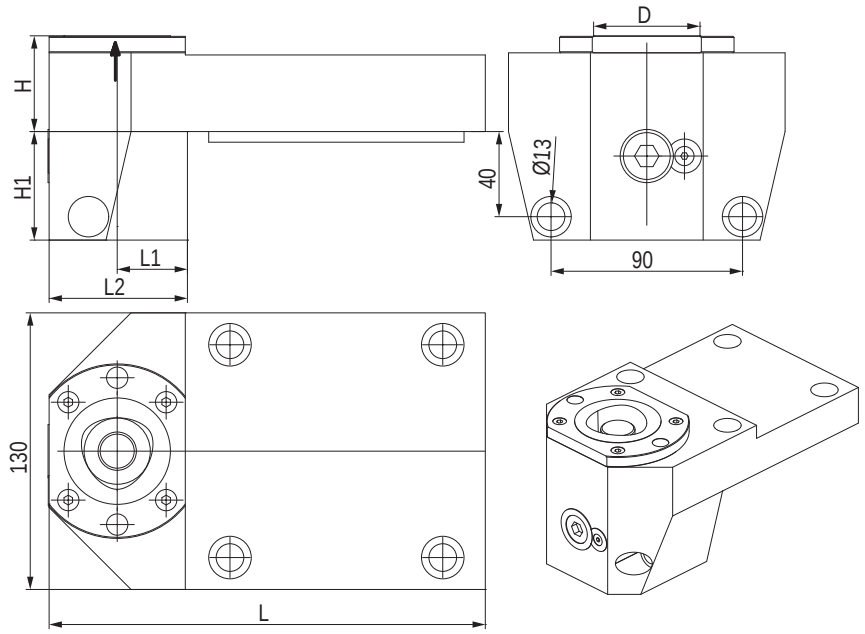
CODE N.	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
				
128-22528	833-001470	811-108018	832-003389	811-101016
128-22529	833-001470	811-108018	832-003389	811-101016

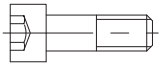
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



CODE N.	CAPTO	D	H	L1	L2	CLAMPING UNIT	KEY	SCREW FOR KEY
								
128-12530	C50	50	117	15	60	CXC50-10	814-203350	811-101027
128-12519	C63	63	127	16	39	CXC63-10	814-203350	811-101027

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS

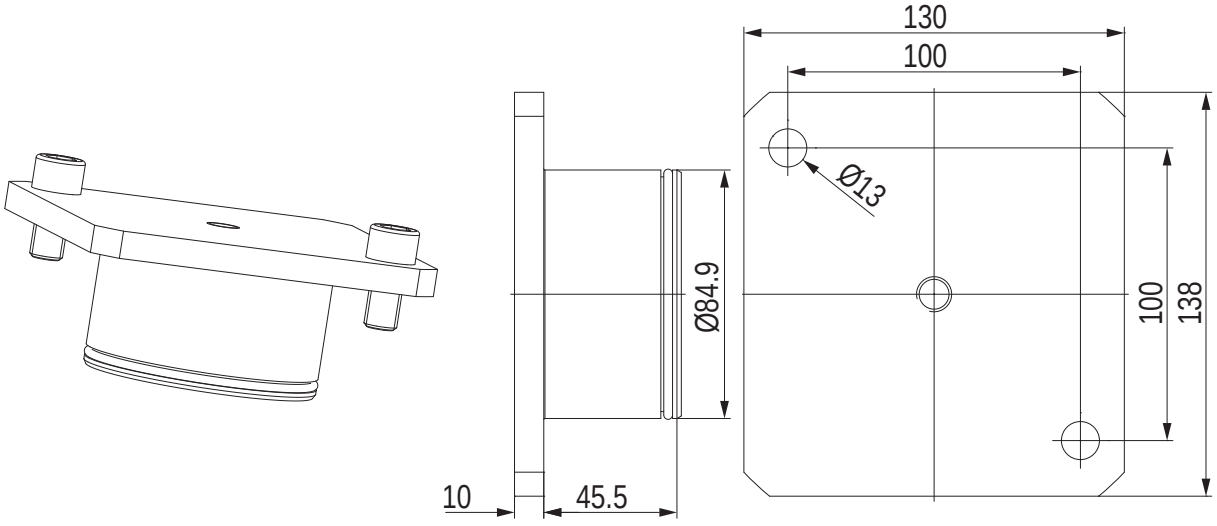


CODE N.	CAPTO	D	H	H1	L	L1	L2	CLAMPING UNIT	KEY	SCREW FOR KEY
										
128-12531	C50	50	45	51	205	33	65	CXC50-10	814-203350	811-101027
128-12520	C63	63	50	67	225	43	85	CXC63-10	814-203350	811-101027

12

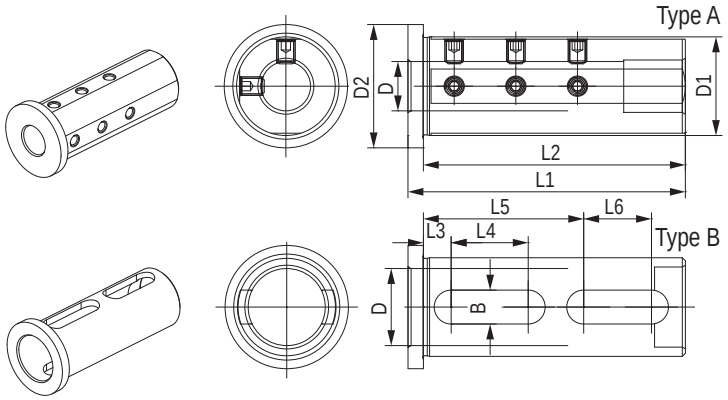
KINTEK

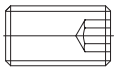
TAPPO DI PROTEZIONE - PROTECTION COVER



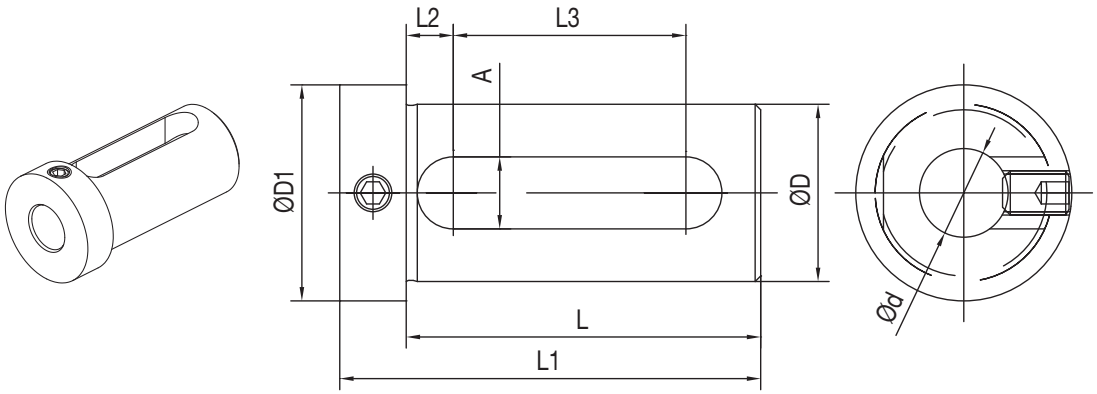
CODE N.	O RING
137-00256	823-101116

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



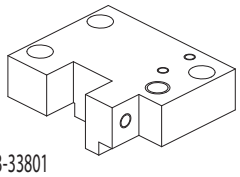
CODE N.	D1	D	D2	L1	L2	L3	L4	L5	L6	B	TYPE	SCREW
												
115-65053	50	12	60	130	125	-	-	-	-	-	A	811-102078
115-65013	50	16	60	130	125	-	-	-	-	-	A	811-102029
115-65014	50	20	60	130	125	-	-	-	-	-	A	811-102062
115-65015	50	25	60	130	125	-	-	-	-	-	A	811-102028
115-65016	50	32	60	130	125	-	-	-	-	-	A	811-102026
115-65017	50	40	60	130	125	10	45	75	37	13	B	-
115-66017	60	20	70	140	135	-	-	-	-	-	A	811-102038
115-66018	60	25	70	140	135	-	-	-	-	-	A	811-102037
115-66019	60	32	70	140	135	-	-	-	-	-	A	811-102036
115-66020	60	40	70	140	135	-	-	-	-	-	A	811-102035
115-66021	60	50	70	140	135	15	40	83	28	13	B	-

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-65017	50	25	84	98	9	61	14	59
165-65018	50	32	84	98	9	61	14	59
165-65019	50	40	84	98	9	61	14	59
165-66056	60	25	94	108	9	71	14	69
165-66057	60	32	94	108	9	71	14	69
165-66058	60	40	94	108	9	71	14	69
165-66059	60	50	94	108	9	71	14	69

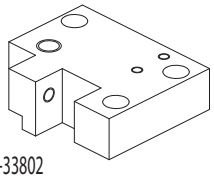
MAZAK NEXUS SQT100/150



Face and O.D.
cutting holder

123-33801

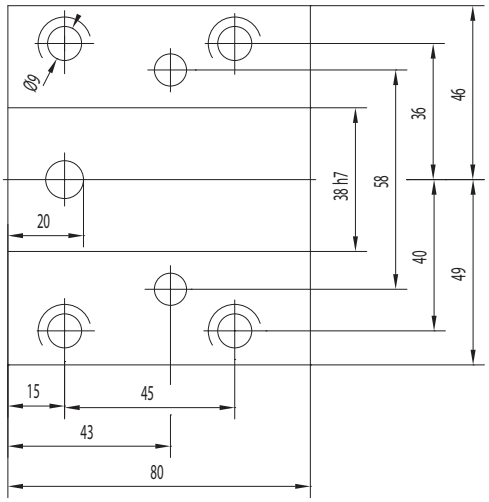
Qualified tool
20x20 mm



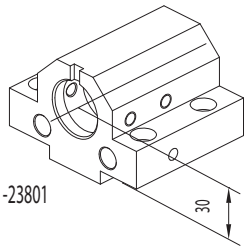
Face and O.D.
cutting holder

123-33802

CONNECTION



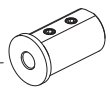
ACCESSORIES



Boring bar holder

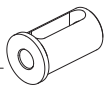
Ø32 mm

121-23801



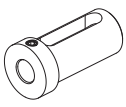
Boring bar sleeve

165-63352 (Ø8)
165-63353 (Ø10)
165-63354 (Ø12)



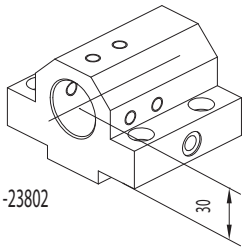
Boring bar sleeve

165-63356 (Ø16)
165-63358 (Ø20)
165-63359 (Ø25)



Boring bar sleeve

165-63347 (Ø16)
165-63349 (Ø20)
165-63350 (Ø25)

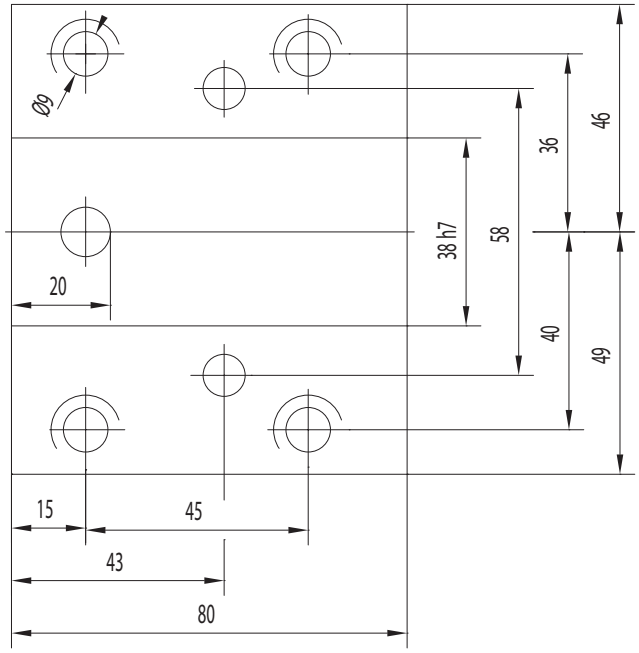


Toolholder
for insertdrill
with internal coolant

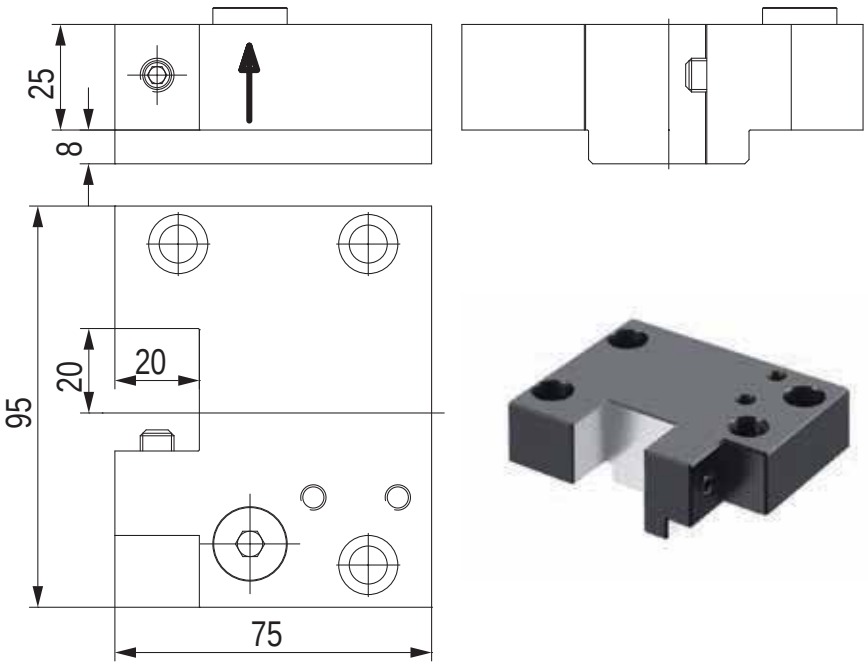
Ø32 mm

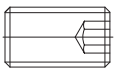
121-23802

CONNECTION

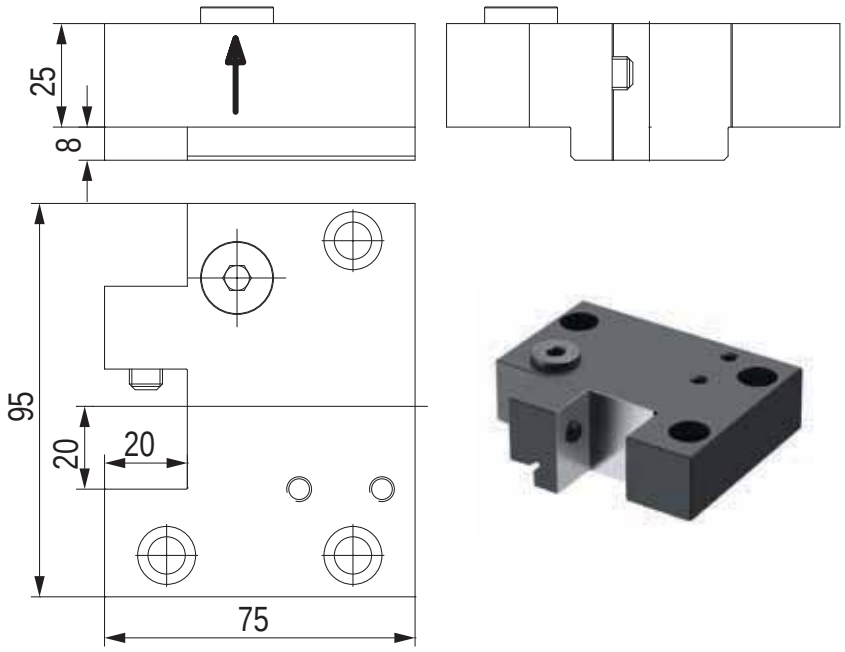


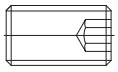
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



CODE N.	CLAMPING SCREW	SCREW
		
123-33801	811-102031	811-302110

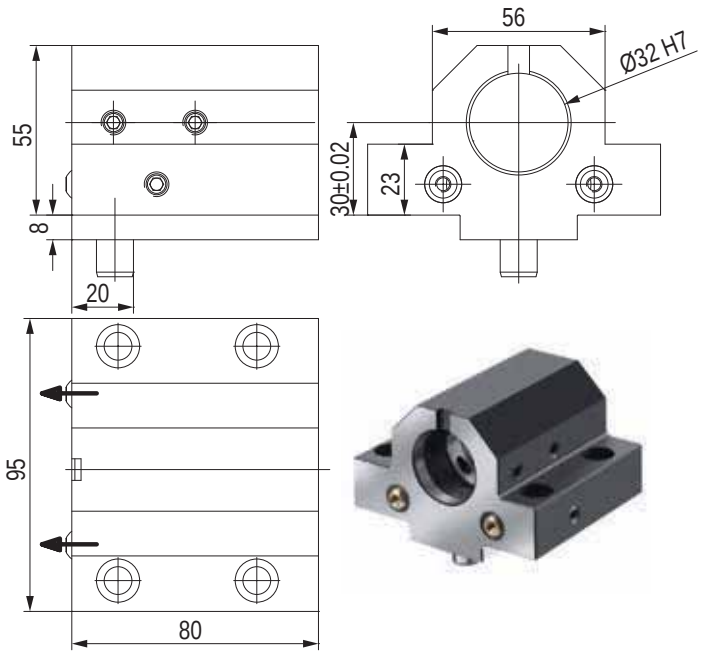
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS

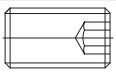
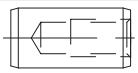


CODE N.	CLAMPING SCREW	SCREW
		
123-33802	811-102031	811-302110

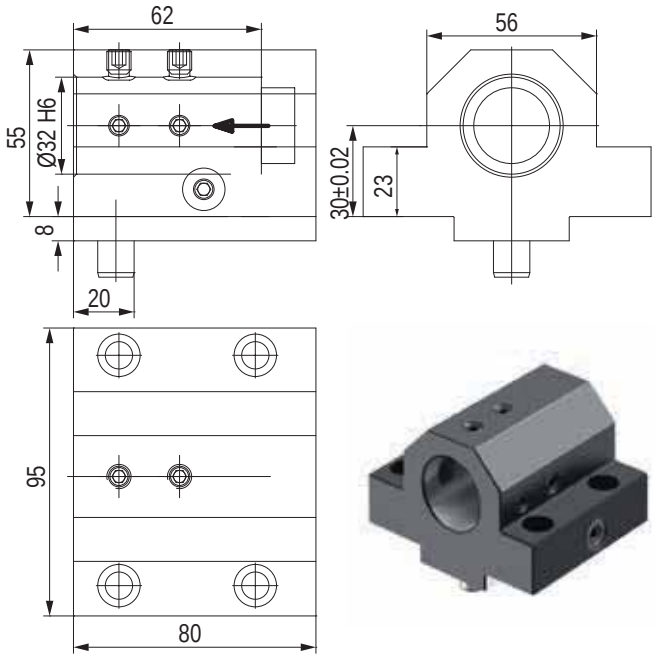
KINTEK

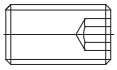
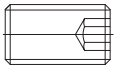
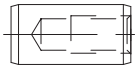
PORTAUTENSILE PER BARENI
TOOLHOLDER FOR BORING BAR



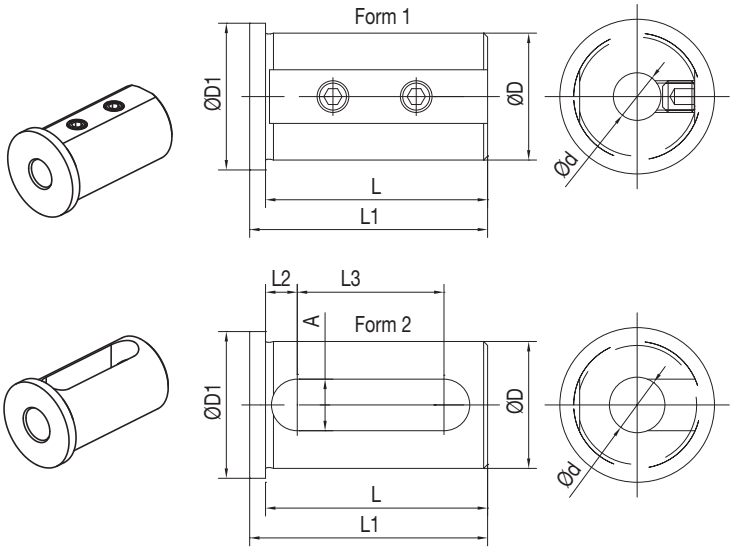
CODE N.	CLAMPING SCREW	PIN	COOLANT NOZZLE
			
121-23801	811-102028	815-210610	833-001080

PORTAUTENSILI PER PUNTE
TOOLHOLDER FOR INSERTDRILL



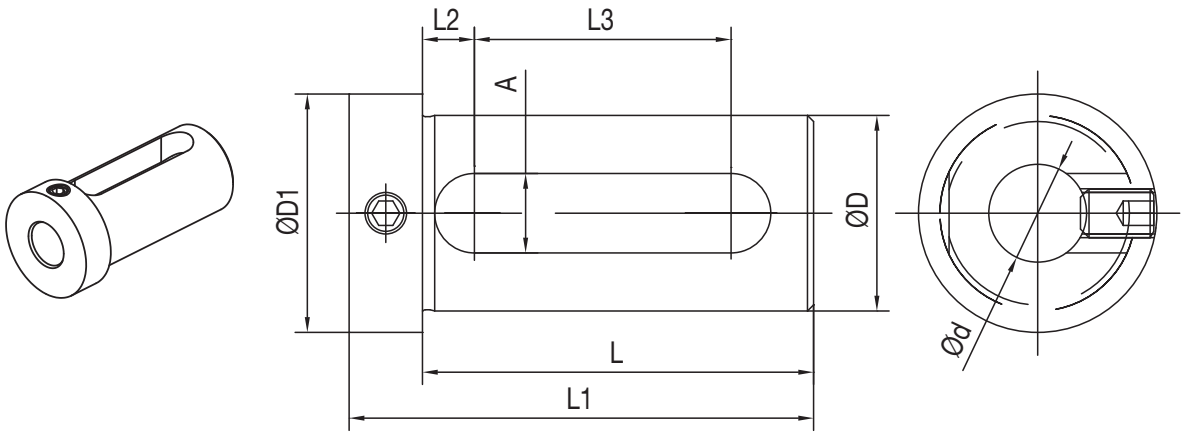
CODE N.	CLAMPING SCREW1 (M8X12)	CLAMPING SCREW2 (M8x8)	PIN
			
121-23802	811-102028	811-102026	815-210610

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



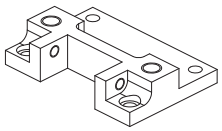
CODE N.	D	d	L	L1	L2	L3	A	D1	D1
165-63347	32	16	64	76	8,5	42	13	39	37
165-63349	32	20	64	76	8,5	42	13	39	37
165-63350	32	25	64	76	8,5	42	13	39	37
165-63356	32	16	2	56	60	8	37	13	37
165-63358	32	20	2	56	60	8	37	13	37
165-63359	32	25	2	56	60	8	37	13	37

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



CODE N.	D	d	L	L1	L2	L3	A	D1
165-63347	32	16	64	76	8,5	42	13	39
165-63349	32	20	64	76	8,5	42	13	39
165-63350	32	25	64	76	8,5	42	13	39

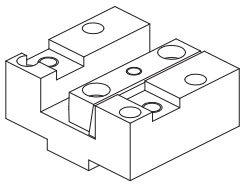
MAZAK NEXUS QTN200/250



Face and O.D. cutting holder

123-33803

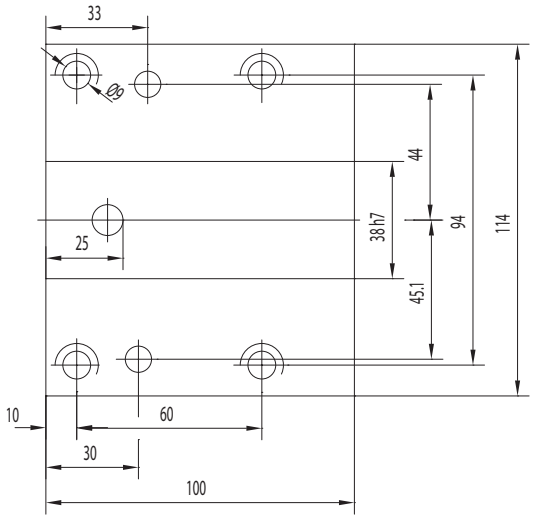
Qualified tool 25x25 mm



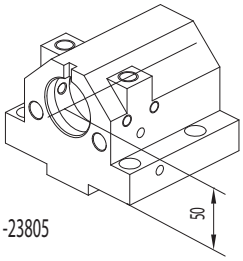
Face and I.D. cutting holder

122-13802

CONNECTION



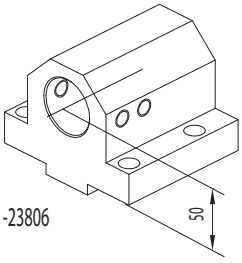
ACCESSORIES



Boring bar holder

Ø40 mm

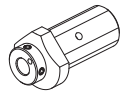
121-23805



Toolholder for insertdrill with internal coolant

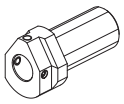
Ø40 mm

121-23806



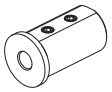
Boring bar sleeve

165-64114 (Ø8)
165-64115 (Ø10)
165-64116 (Ø12)
165-64117 (Ø16)
165-64118 (Ø20)



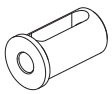
Boring bar sleeve

165-64119 (Ø25)
165-64120 (Ø32)



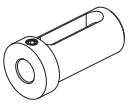
Boring bar sleeve

165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)



Boring bar sleeve

165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ă25)
165-64255 (Ă32)



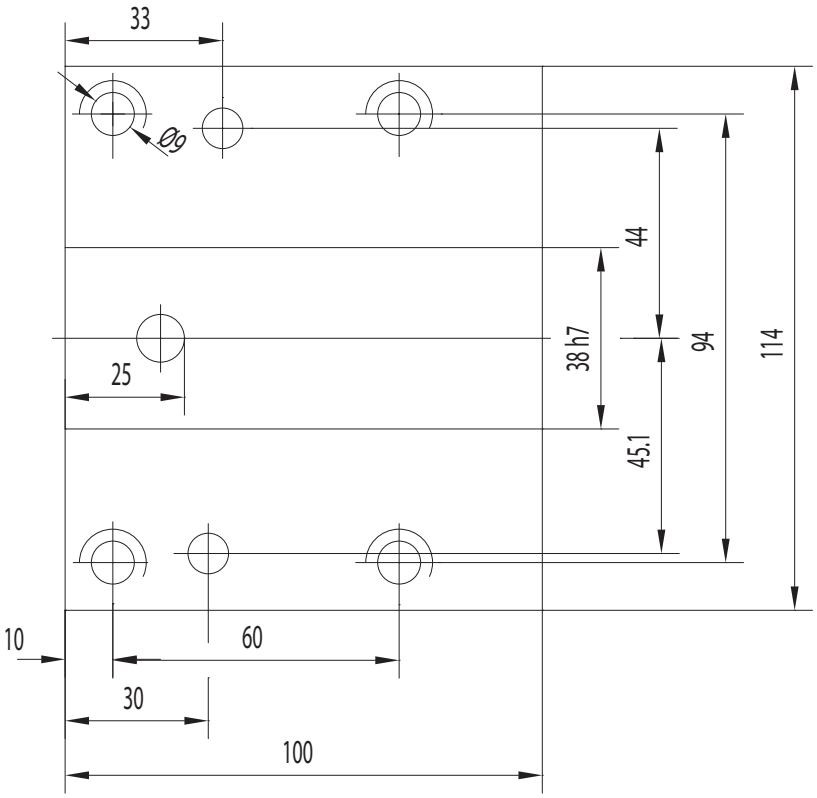
Boring bar sleeve

165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

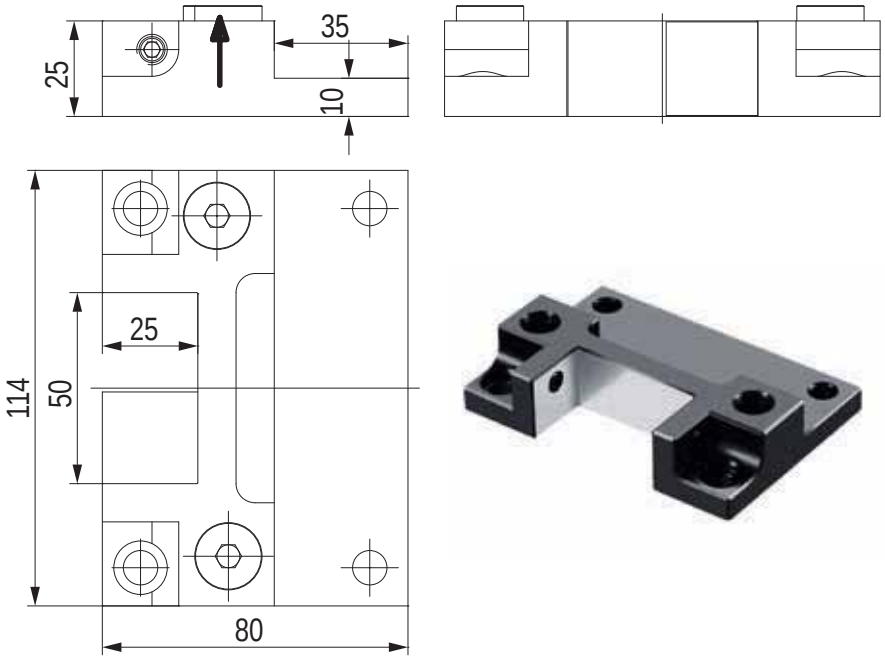
Throw-away drill socket

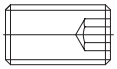
165-64121 (Ø20 mm)
165-64122 (Ø25 mm)
165-64123 (Ø32 mm)

CONNECTION

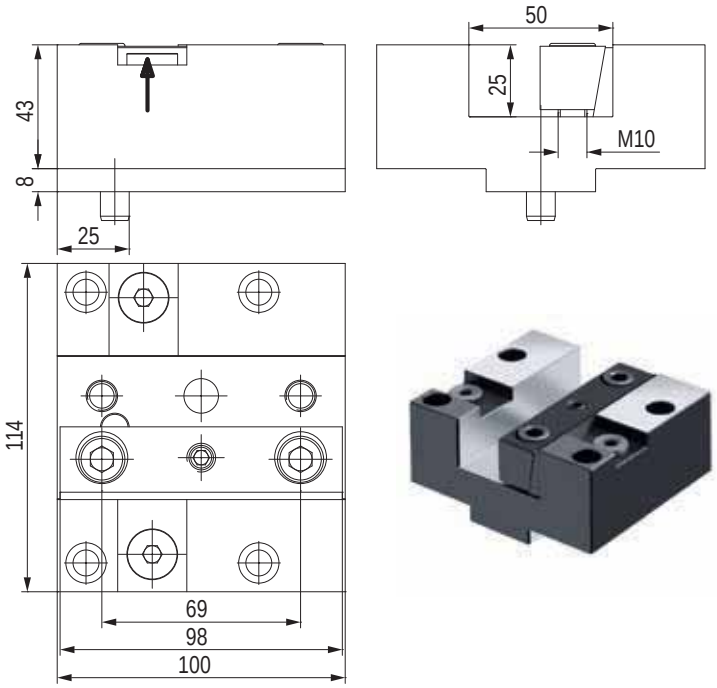


PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



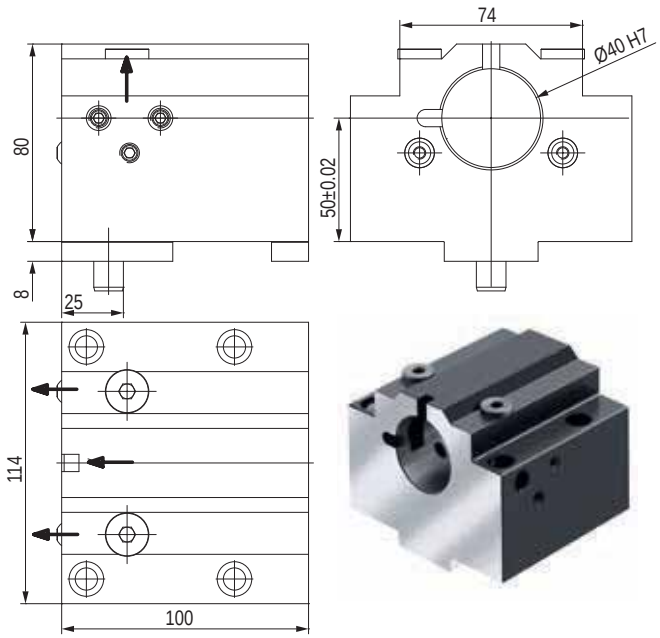
CODE N.	CLAMPING SCREW	CLAMPING PLATE	SCREW
			
123-33803	811-102027	832-002170	811-302110

PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS



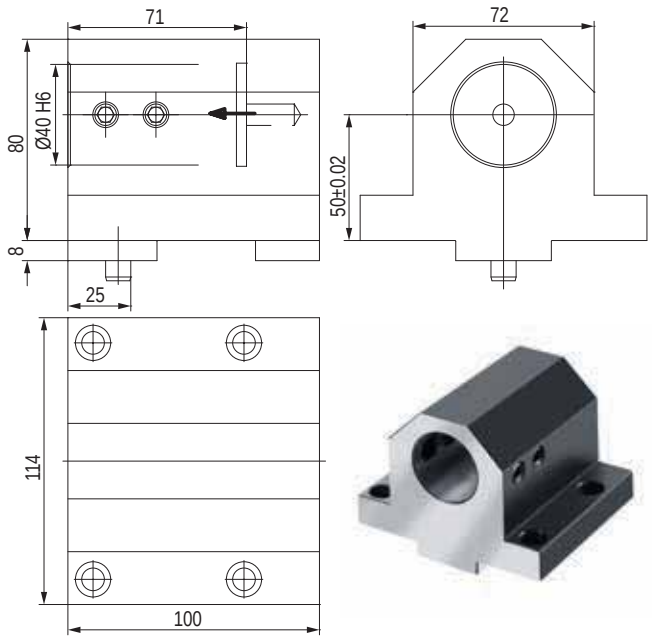
CODE N.	CLAMPING PLATE	PIN	SCREW
122-13802	832-007220	815-210620	811-302110

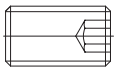
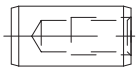
PORTAUTENSILE PER BARENI Ø40
TOOLHOLDER FOR BORING BAR Ø40



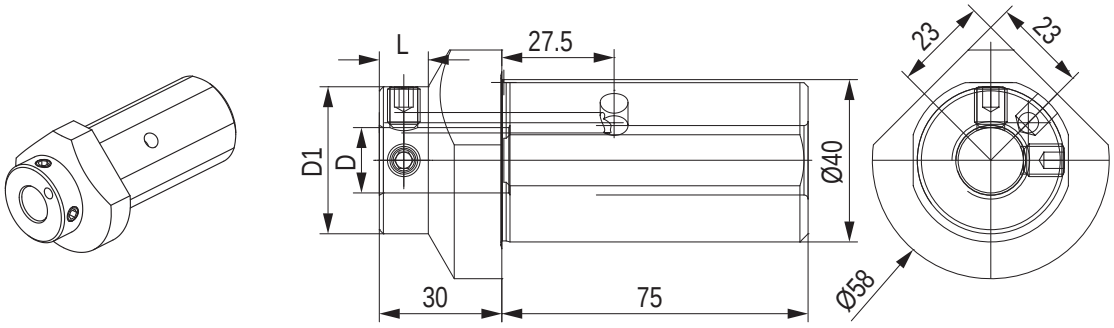
CODE N.	CLAMPING SCREW	PIN	SCREW	COOLANT NOZZLE
121-23805	811-102030	815-210610	811-302110	833-001080

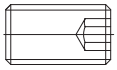
PORTABARENO PER PUNTE
TOOLHOLDER FOR INSERT DRILL



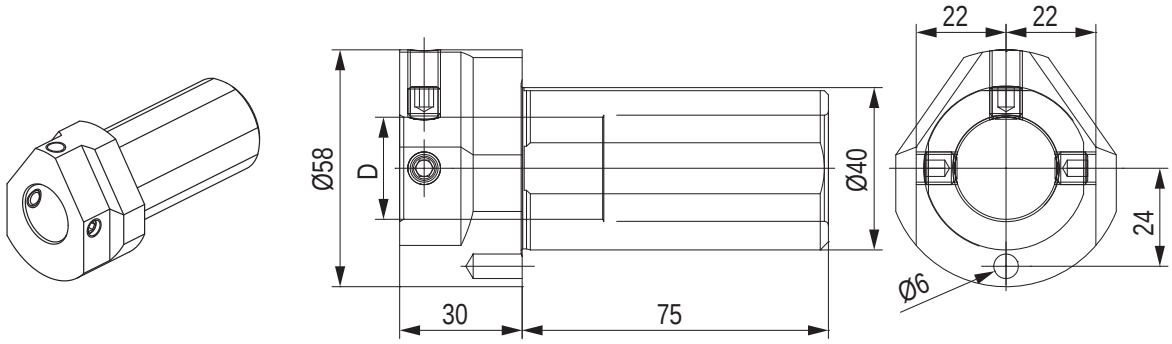
CODE N.	CLAMPING SCREW	PIN
		
121-23806	811-102043	815-210620

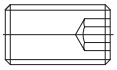
BUSSOLA PER PORTABARENO
BORING BAR SLEEVE



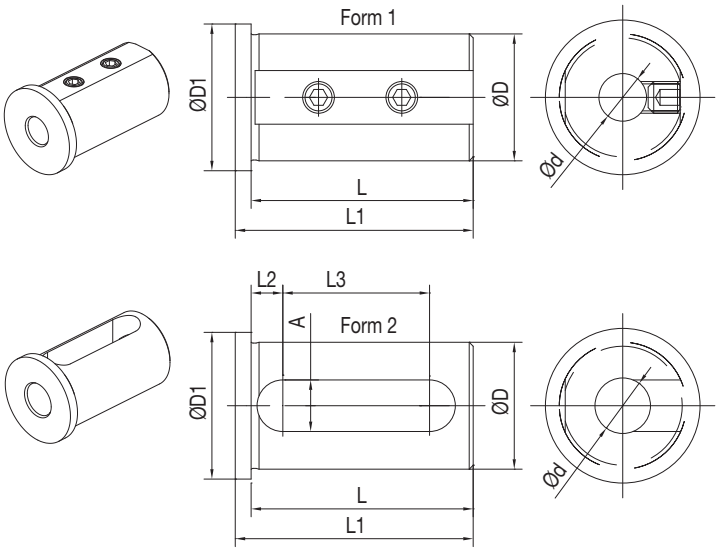
CODE N.	Ø	D	D1	L	SCREW
					
165-64114	40	8	36	12	811-102020
165-64115	40	10	36	12	811-102020
165-64116	40	12	36	12	811-102028
165-64117	40	16	36	12	811-102027
165-64118	40	20	58	-	811-102030

BUSSOLA PER PORTABARENO
BORING BAR SLEEVE



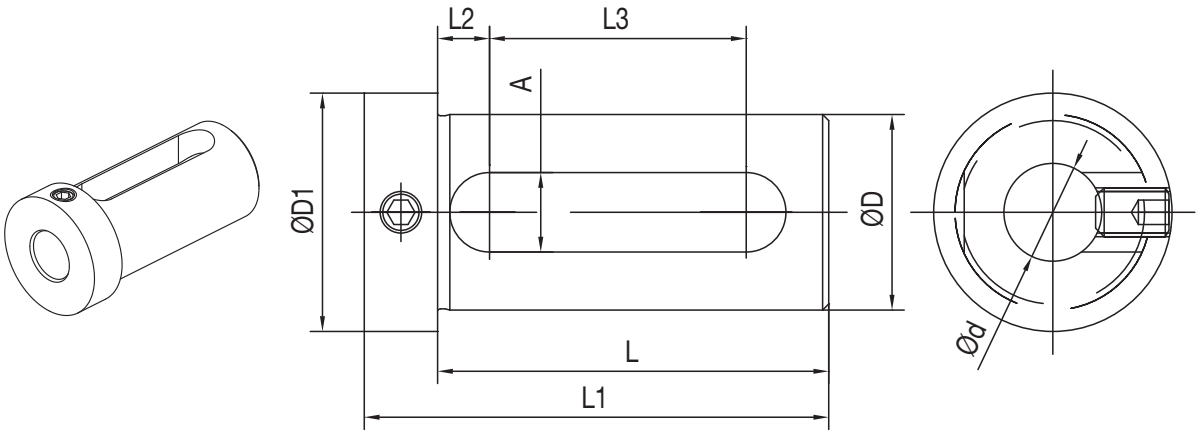
CODE N.	Ø	D	SCREW
			
165-64119	40	25	811-102026
165-64120	40	32	811-102026

BUSSOLA PER PORTABARENO
BORING BAR SLEEVE



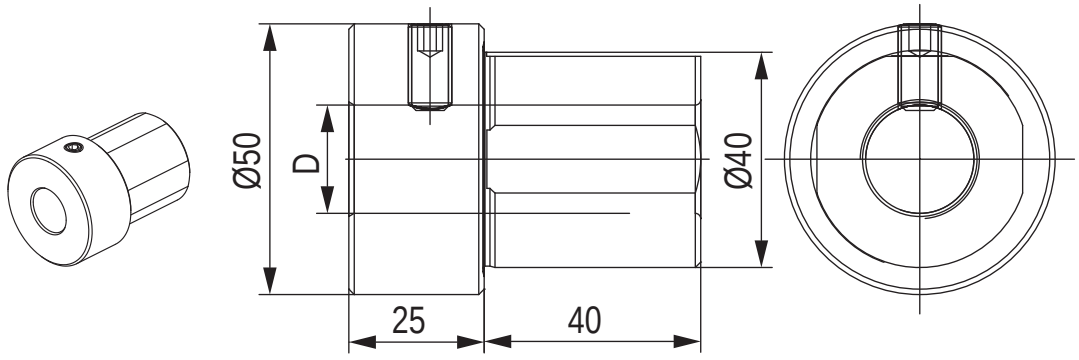
CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

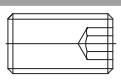
BUSSOLA PER PORTABARENO
BORING BAR SLEEVE



CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

BUSSOLA PER PORTABARENO
BORING BAR SLEEVE



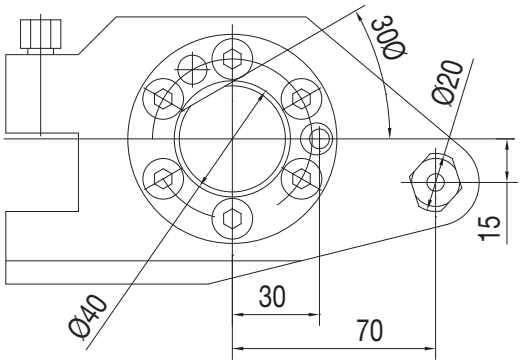
CODE N.	Ø	D	SCREW
			
165-64121	40	20	811-102029
165-64122	40	25	811-102028
165-64123	40	32	811-102027

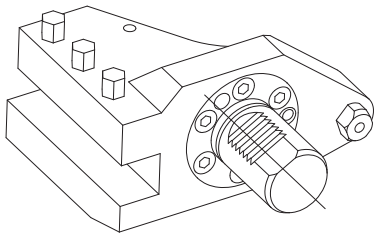
MAZAK SQT

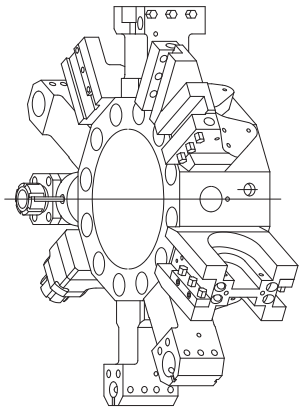
SQT 15, SQT 18 M / MS - 12 Stations
SQT 200, SQT 250 M / MS - 12 Stations

MAZAK QTN (VDI40)

QTN 200, QTN 250 M / MB / MS / MY / MSY - 12 Stations

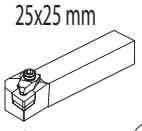




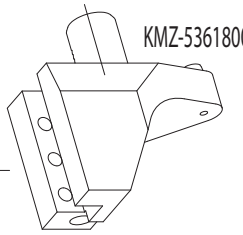


ACCESSORIES

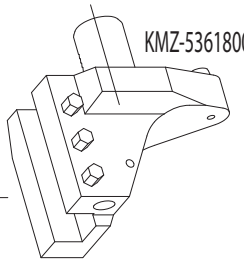
Qualified tool
25x25 mm



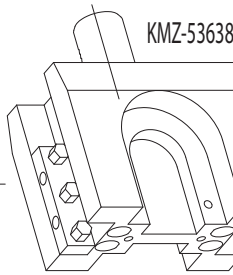
KMZ-53618000100



KMZ-53618000600



KMZ-53638000300



KMZ-53618000300

Boring bar sleeve

165-64114 (Ø8)
165-64115 (Ø10)
165-64116 (Ø12)
165-64117 (Ø16)
165-64118 (Ø20)

Boring bar sleeve

165-64119 (Ø25)
165-64120 (Ø32)

Boring bar sleeve

165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)

Boring bar sleeve

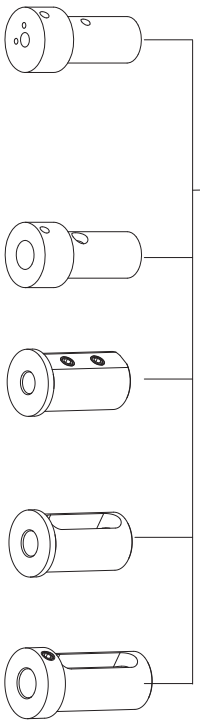
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)

Boring bar sleeve

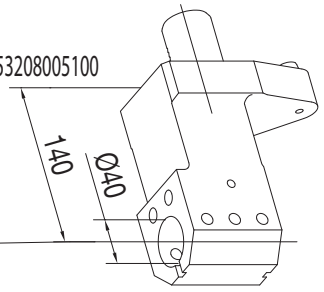
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

Throw-away drill socket

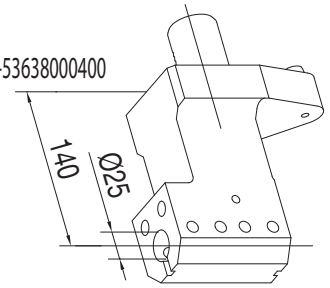
165-64121 (Ø20)
165-64122 (Ø25)
165-64123 (Ø32)



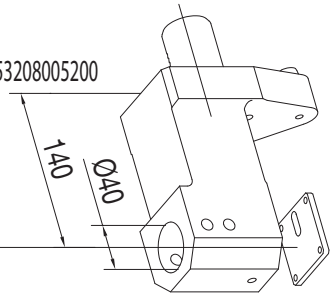
KMZ-53208005100



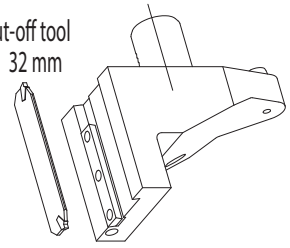
KMZ-53638000400



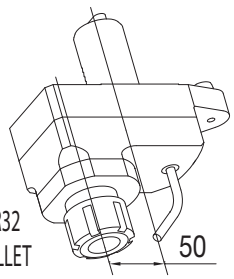
KMZ-53208005200



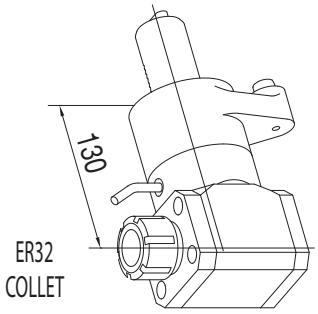
Cut-off tool
32 mm



KMZ-53618000400



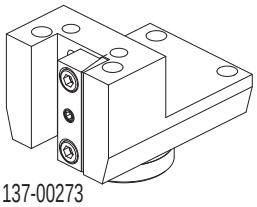
116-54019



116-54020

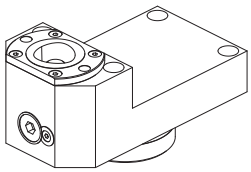
MAZAK (BMT68)

QTC/QTU 100-350 M/MY/MS/MSY
QT/QTS 100-250 M/MY//MS/MSY
QT 200-250 M/MY//MS/MSY (16D)



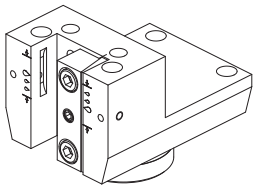
Face and O.D. cutting holder

137-00273



Face and O.D. cutting holder
Poligonal C40

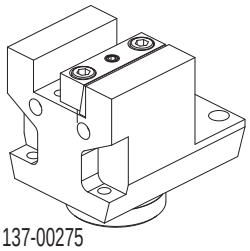
137-00282



Face and O.D. cutting holder

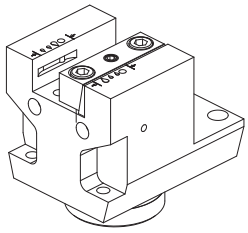
137-00273-IC I.Coolant

Qualified tool
25x25 mm



Face and I.D. cutting holder

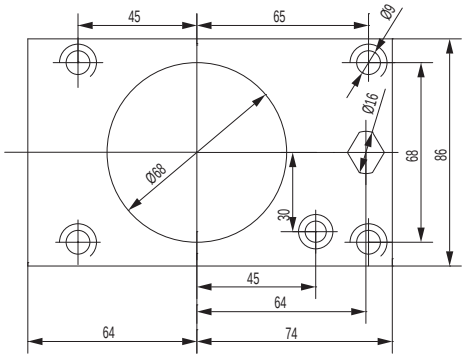
137-00275



Face and I.D. cutting holder

137-00275-IC I.Coolant

CONNECTION



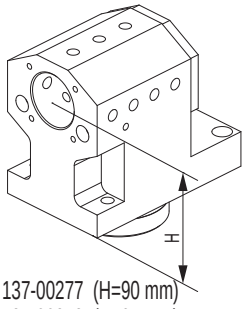
Driven tools

FAST-IN

124-06805
124-06806 i.coolant

124-06807
124-06808 i.coolant
124-06809 i.coolant 80 BAR

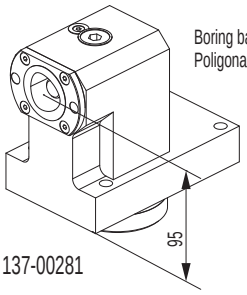
ACCESSORIES



Combi toolholder for boring bar and insertdrill

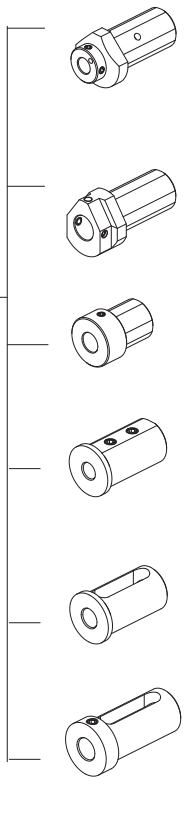
Ø40 mm

137-00277 (H=90 mm)
137-00278 (H=95 mm)



Boring bar holder
Poligonal C40

137-00281



Boring bar sleeve
165-64114 (Ø8)
165-64115 (Ø10)
165-64116 (Ø12)
165-64117 (Ø16)
165-64118 (Ø20)

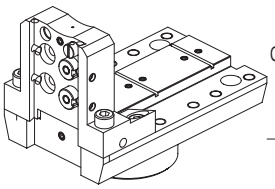
Boring bar sleeve
165-64119 (Ø25)
165-64120 (Ø32)

Throw-away drill socket
165-64121 (Ø20)
165-64122 (Ø25)
165-64123 (Ø32)

Boring bar sleeve
165-64247 (Ø8)
165-64248 (Ø10)
165-64249 (Ø12)

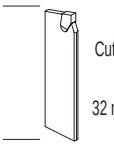
Boring bar sleeve
165-64251 (Ø16)
165-64253 (Ø20)
165-64254 (Ø25)
165-64255 (Ø32)

Boring bar sleeve
165-64241 (Ø16)
165-64243 (Ø20)
165-64244 (Ø25)
165-64245 (Ø32)

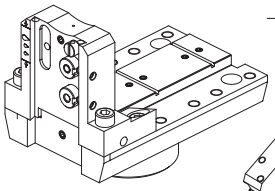


Cut-off holder

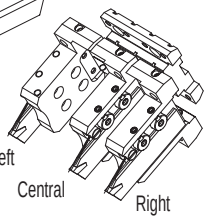
137-00279

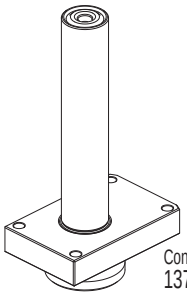


Cut-off tool
32 mm



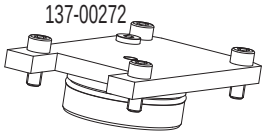
137-00279-IC I.Coolant



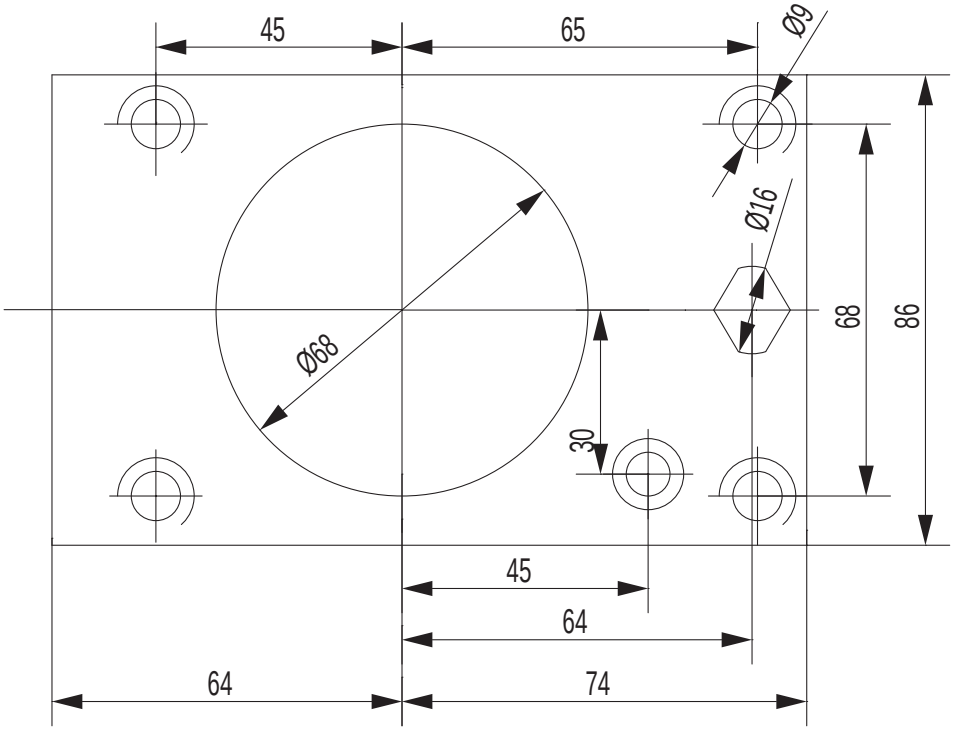


Control pin
137-00201

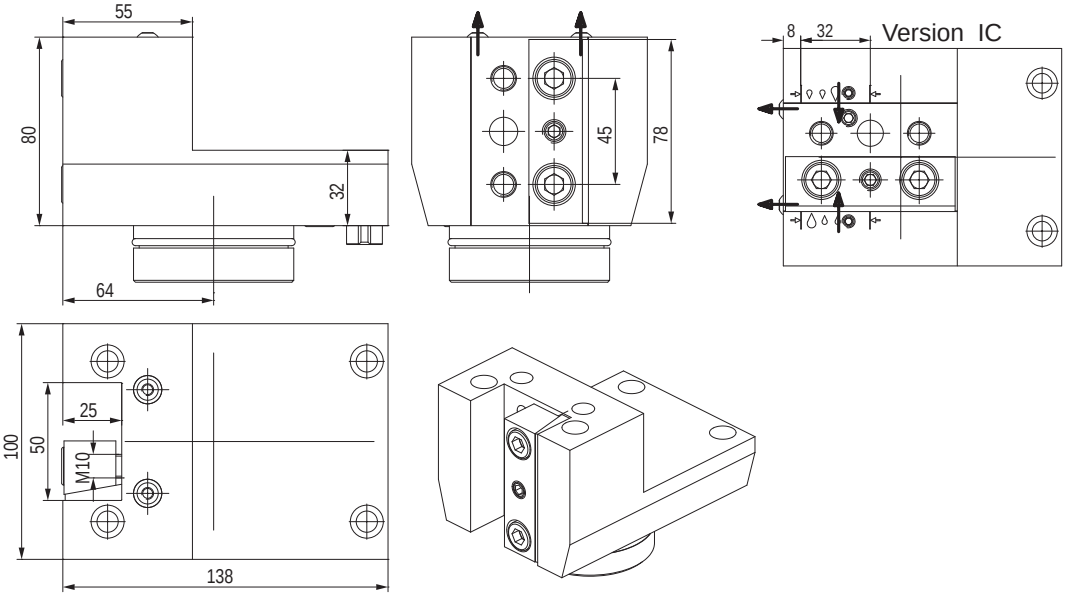
Protection cover
137-00272

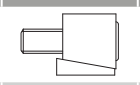
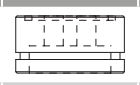
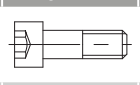


CONNECTION

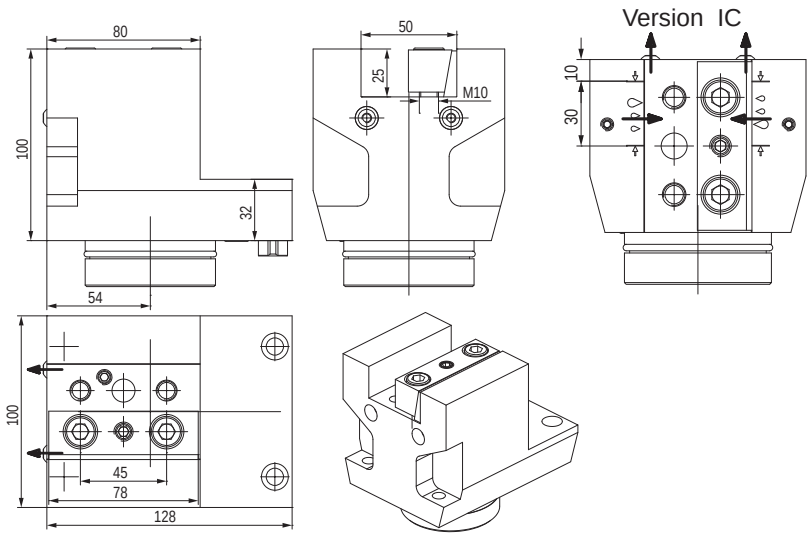


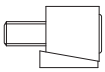
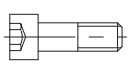
PORTAUTENSILE RADIALE - RADIAL TOOLHOLDERS



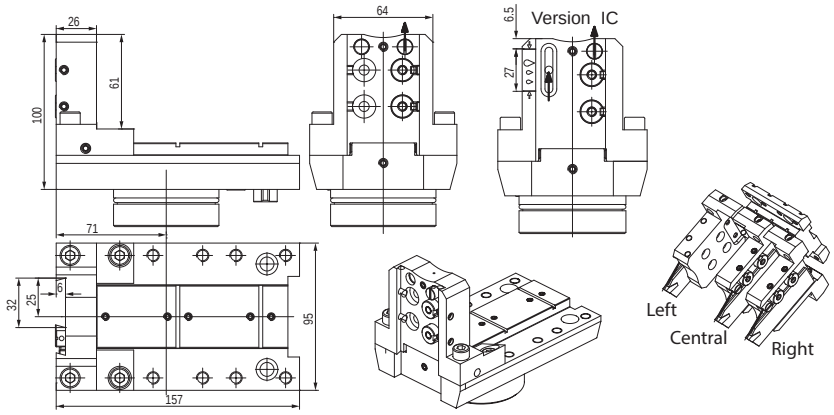
CODE N.	INTERNAL COOLANT	CLAMPING PLATE	PIN	COOLANT NOZZLE	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
									
137-00273	NO	832-007470	832-008064	833-001080	832-020711	811-101031	823-101124	823-101077	823-101015
137-00273-IC	YES	832-007470	832-008064	833-001080	832-020711	811-101031	823-101124	823-101077	823-101015

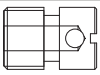
PORTAUTENSILE ASSIALE - AXIAL TOOLHOLDERS

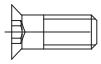
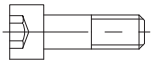
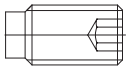


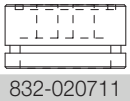
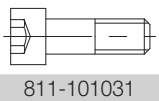
CODE N.	INTERNAL COOLANT	CLAMPING PLATE	PIN	COOLANT NOZZLE	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
									
137-00275	NO	832-007470	832-008064	833-001080	832-020711	811-101031	823-101124	823-101077	823-101015
137-00275-IC	YES	832-007470	832-008064	833-001080	832-020711	811-101031	823-101124	823-101077	823-101015

PORTALAMA - CUT-OFF HOLDERS

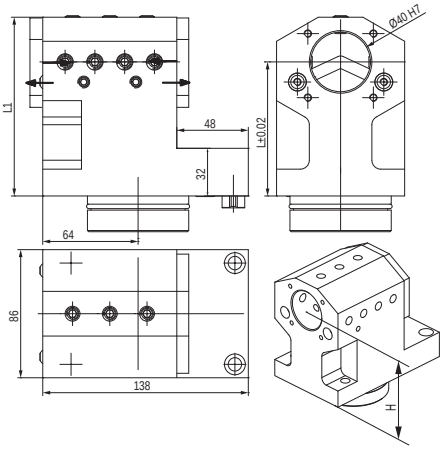


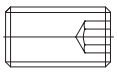
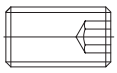
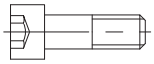
CODE N.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR INT. COOLANT	PIN
					
137-00279	833-001490	823-101058	823-101061	-	832-008064
137-00279-IC	833-001490	823-101058	823-101061	823-201140	832-008064

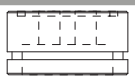
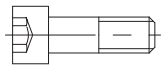
CODE N.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
137-00279	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013
137-00279-IC	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013

CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
					
137-00279	832-020711	811-101031	823-101124	823-101077	823-101015
137-00279-IC	832-020711	811-101031	823-101124	823-101077	823-101015

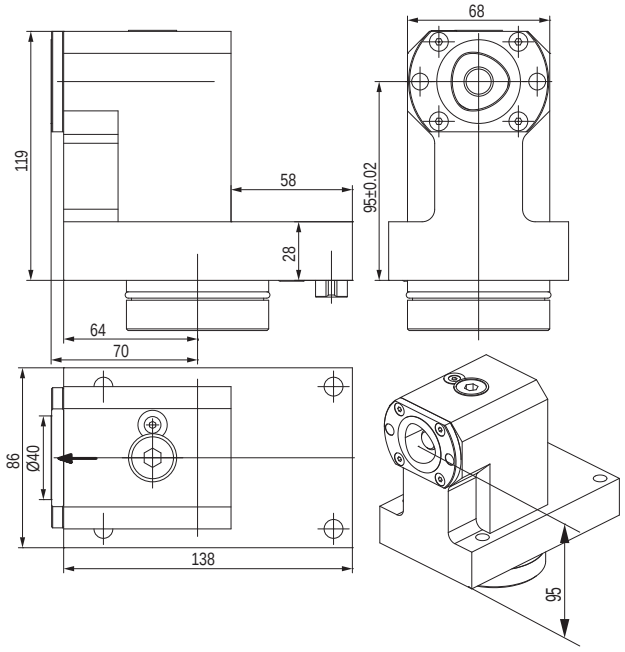
PORTAUTENSILE COMBINATO PER BARENI E PUNTE A INSERTI
COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL

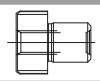
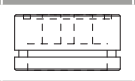
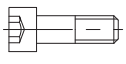


CODE N.	L	L1	CLAMPING SCREW1 (M10X20)	CLAMPING SCREW1 (M10X12)	PIN	COOLANT NOZZLE	COVER FOR INTERNAL COOLANT	SCREW FOR COVER
								
137-00277	90	120	811-102038	811-102036	832-008064	833-001080	832-003403	811-101016
137-00278	95	125	811-102038	811-102036	832-008064	833-001080	832-003403	811-101016

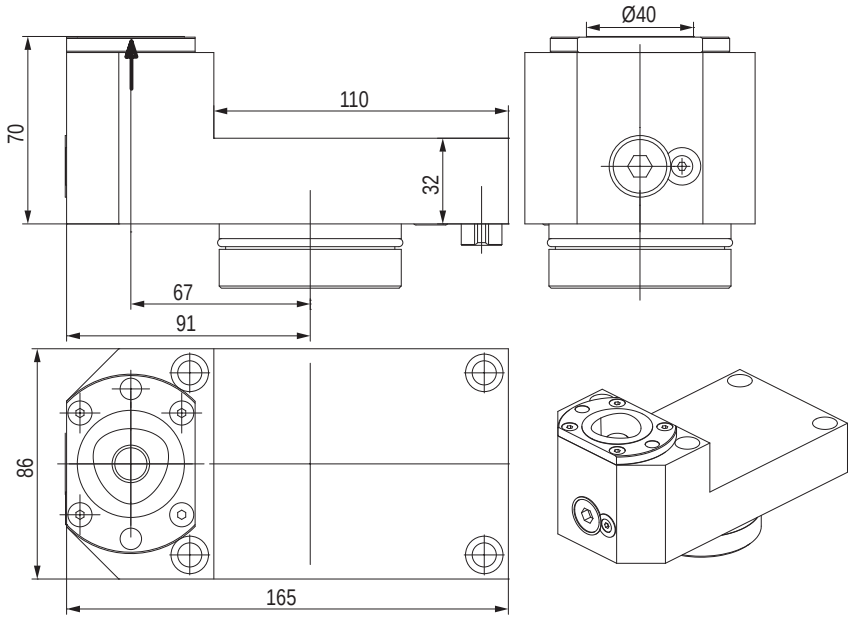
CODE N.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
					
137-00277	832-020711	811-101031	823-101124	823-101077	823-101015
137-00278	832-020711	811-101031	823-101124	823-101077	823-101015

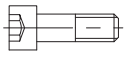
PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



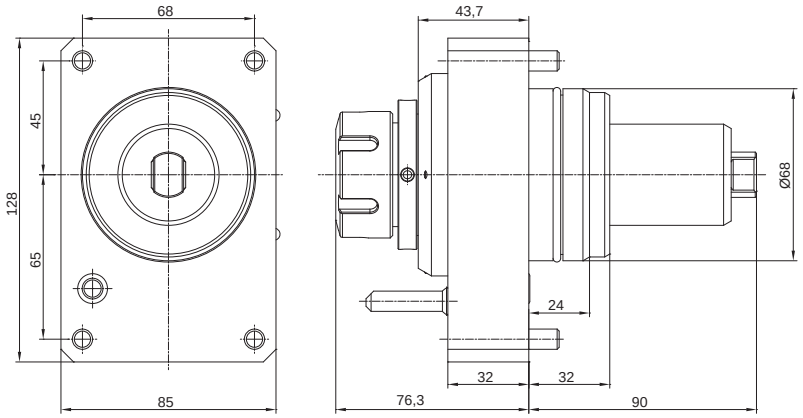
CODE N.	CAPTO	CLAMPING UNIT	PIN	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
								
137-00281	C40	CXC40-10	832-008064	832-020711	811-101031	823-101124	823-101077	823-101015

PORTAUTENSILE CON USCITA POLIGONALE
POLIGONAL TOOLHOLDERS



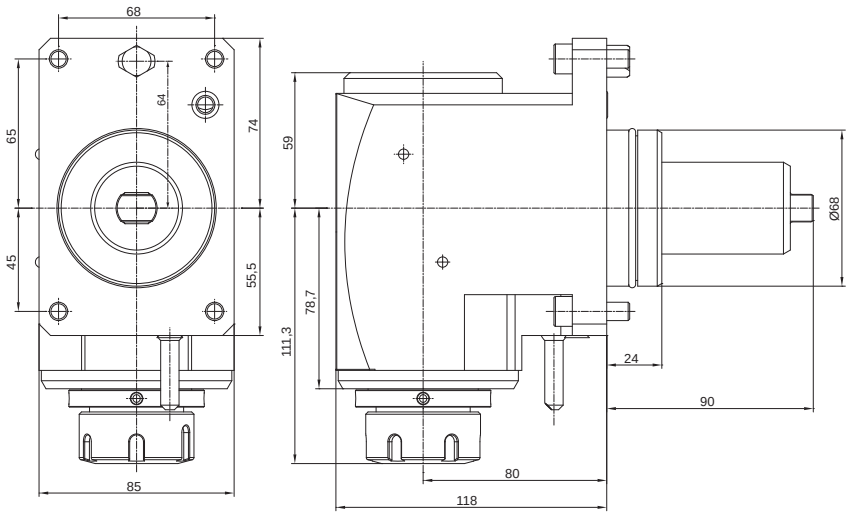
CODE N.	CAPTO	CLAMPING UNIT	PIN	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
								
137-00282	C40	CXC40-10	832-008064	832-020711	811-101031	823-101124	823-101077	823-101015

PORTAUTENSILE MOTORIZZATO ASSIALE
STRAIGHT DRILLING AND MILLING HEAD



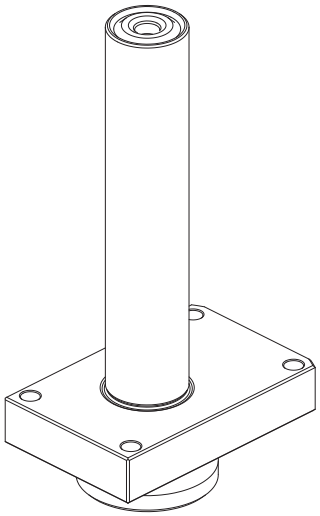
CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06805	ER32	12000	1:1	70	no	-
124-06806	ER32	12000	1:1	70	yes	20

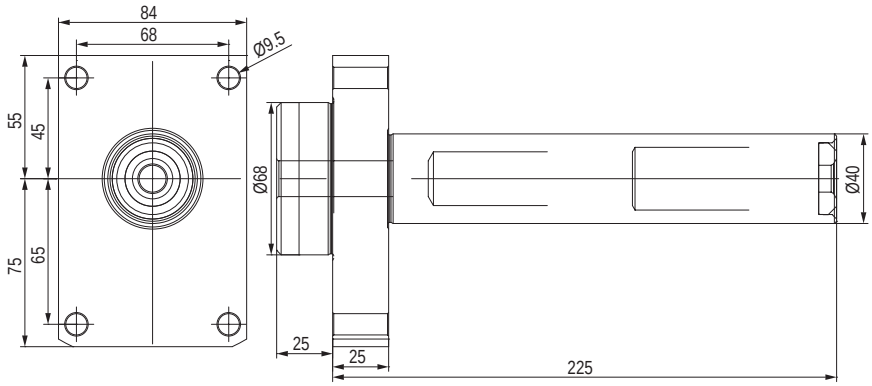
PORTAUTENSILE MOTORIZZATO RADIALE
ANGULAR DRILLING AND MILLING HEAD



CODE N.	ER	MAX SPEED (Rpm)	I	MAX. TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06807	ER32	6000	1:1	70	no	-
124-06808	ER32	6000	1:1	70	yes	20
124-06809	ER32	6000	1:1	70	yes	80

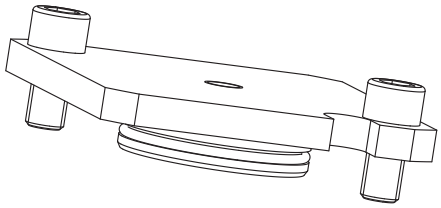
BARRA DI CONTROLLO - CONTROL PIN

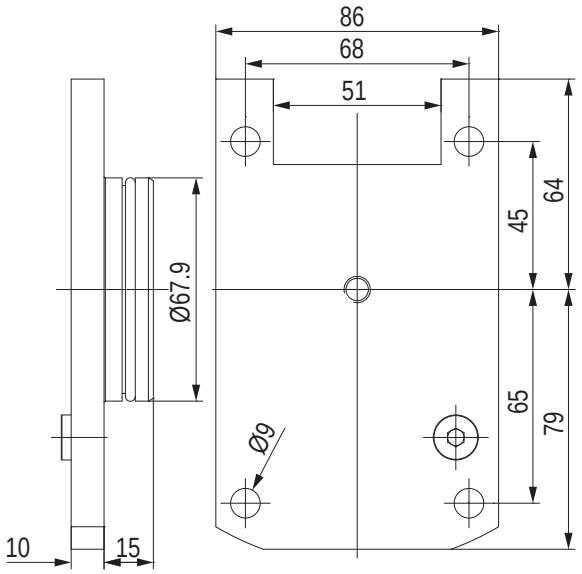




CODE N.
137-00201

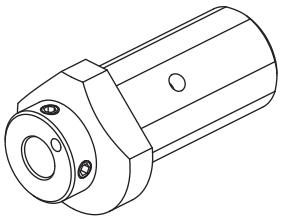
TAPPO DI PROTEZIONE - PROTECTION COVER

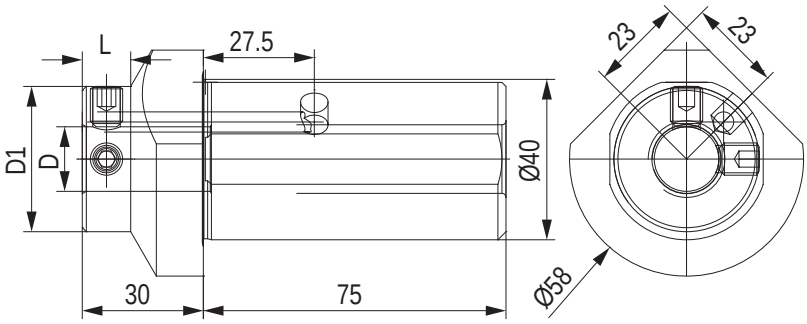




CODE N.	O RING	SCREW
137-00272	823-101124	811-302106

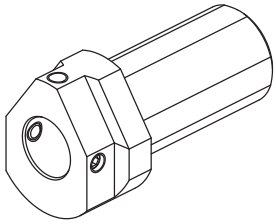
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

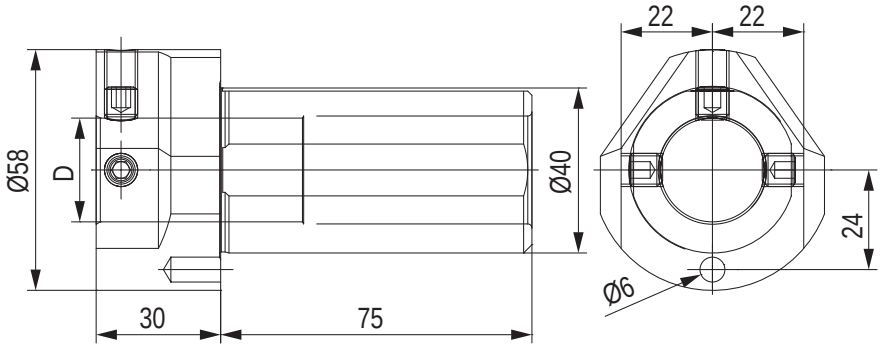




CODE N.	Ø	D	D1	L	SCREW
165-64114	40	8	36	12	811-102020
165-64115	40	10	36	12	811-102020
165-64116	40	12	36	12	811-102028
165-64117	40	16	36	12	811-102027
165-64118	40	20	58	-	811-102030

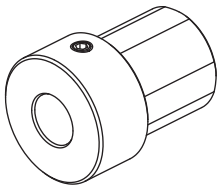
BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

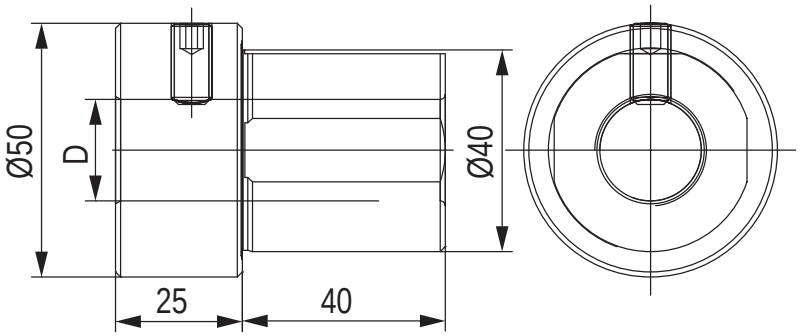


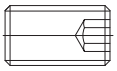


CODE N.	Ø	D	SCREW
165-64119	40	25	811-102026
165-64120	40	32	811-102026

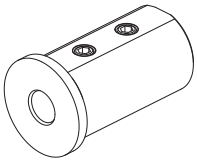
BUSSOLA PER PORTABARENI
THROW-AWAY DRILL SOCKET FOR TOOLHOLDER

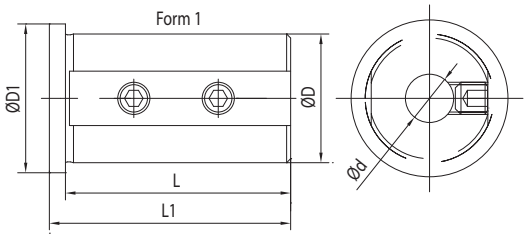


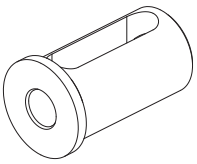


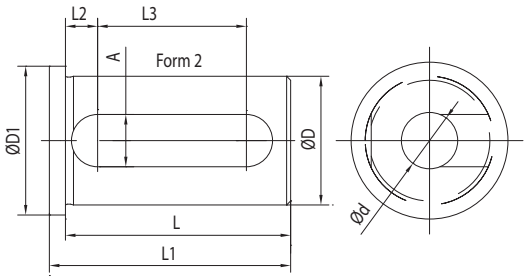
CODE N.	Ø	D	SCREW
			
165-64121	40	20	811-102029
165-64122	40	25	811-102028
165-64123	40	32	811-102027

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER



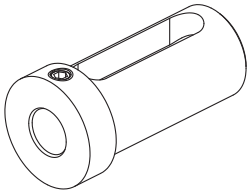


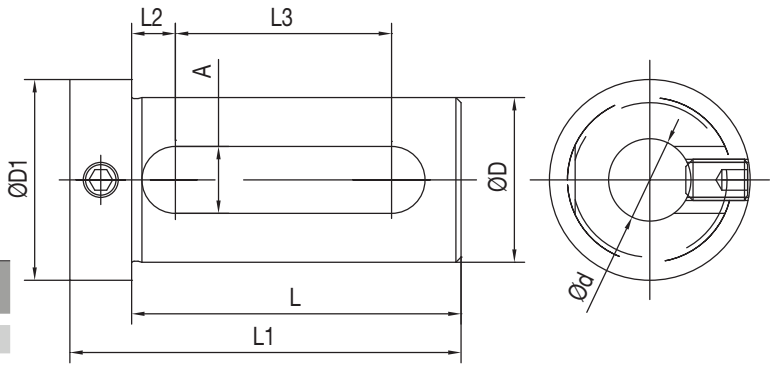




CODE N.	D	d	FORM	L	L1	L2	L3	A	D1
165-64247	40	8	1	71	75	-	-	-	45
165-64248	40	10	1	71	75	-	-	-	45
165-64249	40	12	1	71	75	-	-	-	45
165-64251	40	16	2	71	75	8	52	13	45
165-64253	40	20	2	71	75	8	52	13	45
165-64254	40	25	2	71	75	8	52	13	45
165-64255	40	32	2	71	75	8	52	13	45

BUSSOLA PER PORTABARENI
BORING BAR SLEEVE FOR TOOLHOLDER

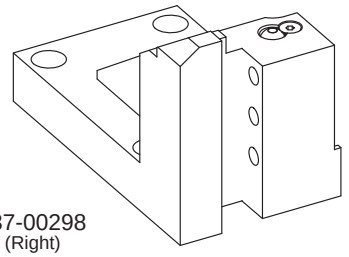




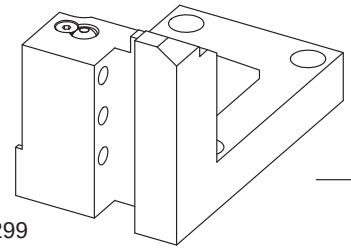
CODE N.	D	d	L	L1	L2	L3	A	D1
165-64241	40	16	74	88	9	51	14	48
165-64243	40	20	74	88	9	51	14	48
165-64244	40	25	74	88	9	51	14	48
165-64245	40	32	74	88	9	51	14	48

MURATA MURATEC MW120

MW120 8ST
MS60 8ST
MJ60 8ST

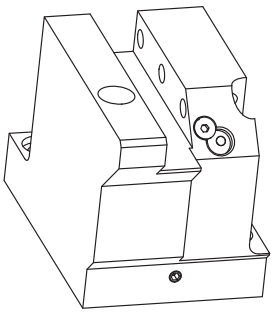


137-00298
(Right)

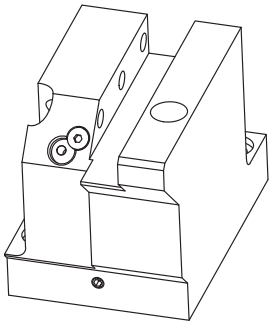


137-00299
(Left)

Qualified tool
20x20 mm



137-00296
(Right)



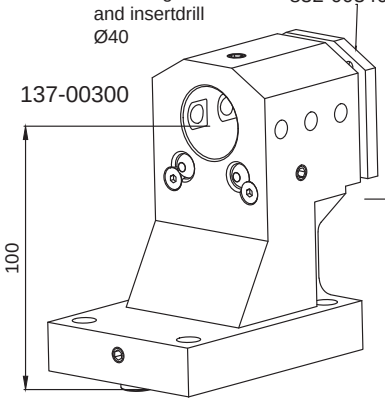
137-00297
(Left)

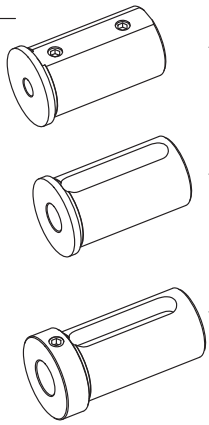
ACCESSORIES

Combi toolholder
for boring bar
and insertdrill
Ø40

Cover
832-003402

137-00300



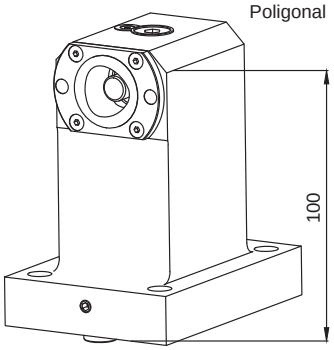


165-64247(Ø8 mm)
165-64248(Ø10 mm)
165-64249(Ø12 mm)

165-64251(Ø16 mm)
165-64253(Ø20 mm)
165-64254(Ø25 mm)
165-64255(Ø32 mm)

165-64241(Ø16 mm)
165-64243(Ø20 mm)
165-64244(Ø25 mm)
165-64245(Ø32 mm)

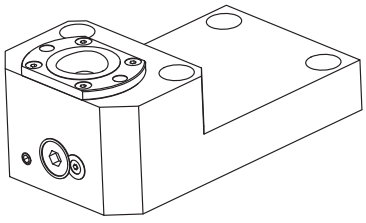
Boring bar holder
Poligonal



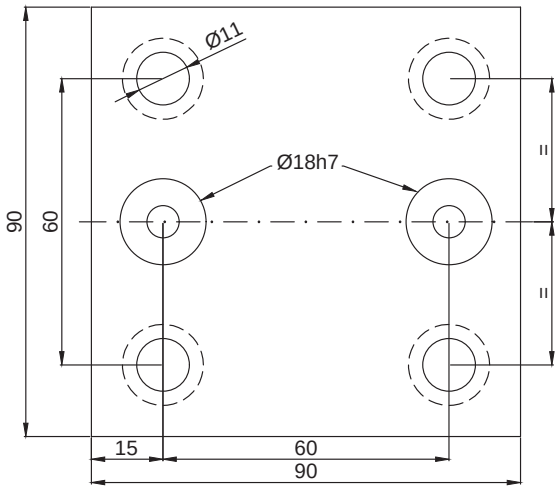
137-00263 (C40)
137-00313 (C50)

CONNECTION

Cutting holder
Poligonal

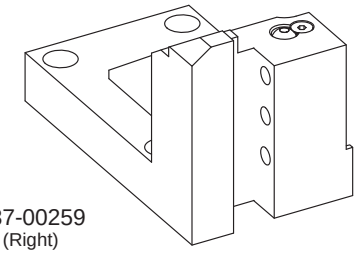


137-00262 (C40)
137-00314 (C50)

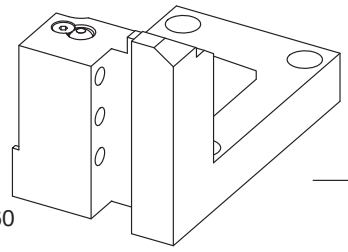


MURATA MURATEC MW200

MW200 10ST
MW180 10ST
MS100 10ST
MS90 10ST
MJ100 10ST

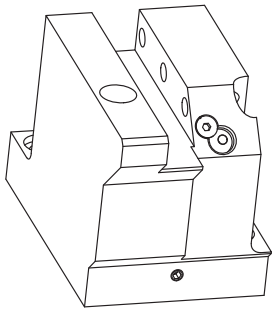


137-00259
(Right)

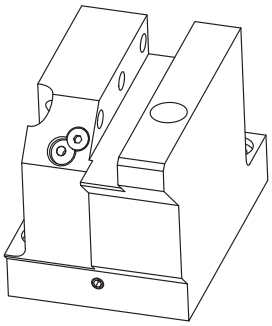


137-00260
(Left)

Qualified tool
25x25 mm



137-00265
(Right)



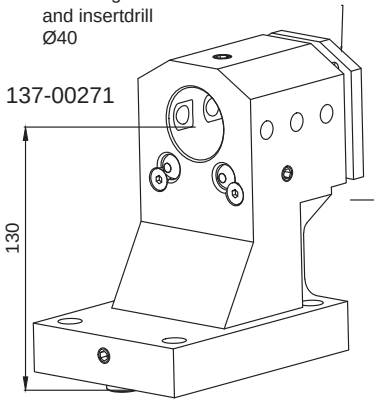
137-00266
(Left)

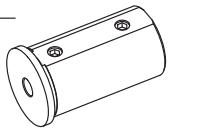
ACCESSORIES

Combi toolholder
for boring bar
and insertdrill
Ø40

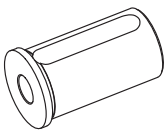
Cover
832-003402

137-00271

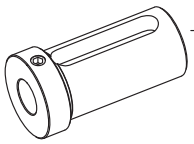




165-64247(Ø8 mm)
165-64248(Ø10 mm)
165-64249(Ø12 mm)



165-64251(Ø16 mm)
165-64253(Ø20 mm)
165-64254(Ø25 mm)
165-64255(Ø32 mm)



165-64241(Ø16 mm)
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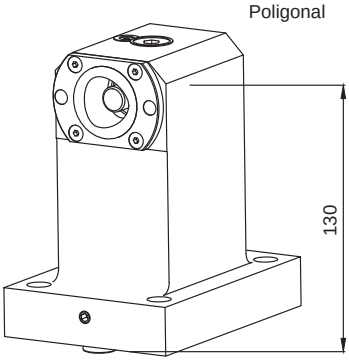
165-64244(Ø25 mm)
165-64245(Ø32 mm)

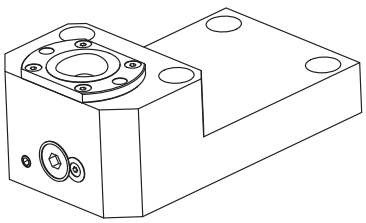
Boring bar holder
Poligonal



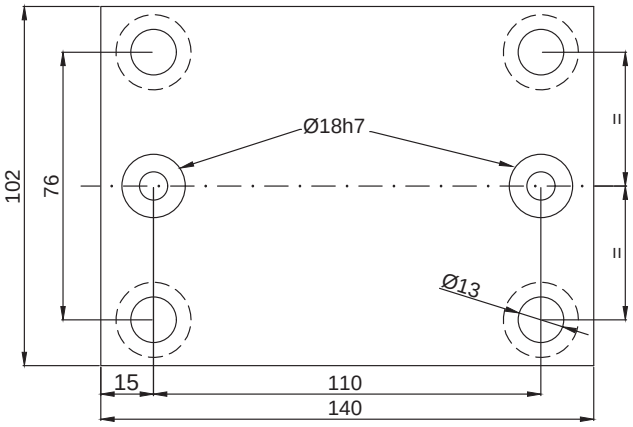
137-00236 (C40)
137-00311 (C50)

CONNECTION

Cutting holder
Poligonal



137-00237 (C40)
137-00312 (C50)



KINTEK®

HSK-T HOLDERS AND TOOLHOLDERS (ICTM STANDARD)

UTENSILI E PORTAUTENSILI CON ATTACCO HSK-T (ICTM STANDARD)

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HSK-T HOLDERS AND TOOLHOLDERS (ICTM STANDARD)

UTENSILI E PORTAUTENSILI CON ATTACCO HSK-T (ICTM STANDARD)

HSK-T KLEMMHALTER UND WERKZEUGHALTER (ICTM STANDARD)

HERRAMIENTAS Y PORTAHERRAMIENTAS CON MANGO HSK-T (ICTM ESTANDAR)

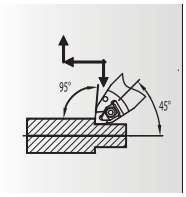
OUTILS ET PORTE-OUTILS AVEC ATTACHEMENT HSK-T (ICTM STANDARD)

ДЕРЖАВКИ И РЕЗЦЕДЕРЖАТЕЛИ С ХВОСТОВИКОМ HSK-T (СТАНДАРТ ICTM)

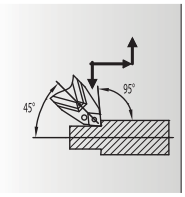
HSK-T 柄及刀柄 (ICTM 标准)

EXTERNAL (O.D.) TURNING TOOLS

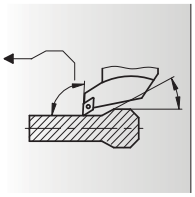
KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG PORTA INSERTI PER ESTERNI
PORTA-PLAQUITAS PARA EXTERNOS PORTE-PLAQUETTES EXTERIEURES
ДЕРЖАВКИ ДЛЯ ВНЕШНЕГО ТОЧЕНИЯ 外部(外径)车刀



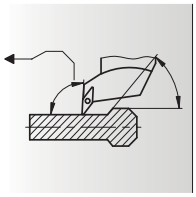
DCM12
DDM15
Pag. 625



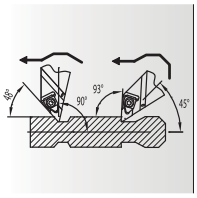
PCMNR
Pag. 626



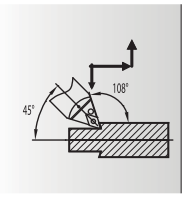
SDJC
Pag. 628



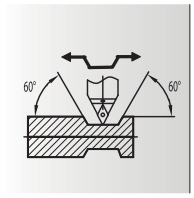
SVJC
Pag. 629



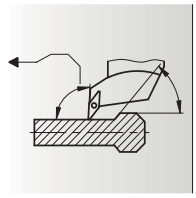
DDMNL
Pag. 625



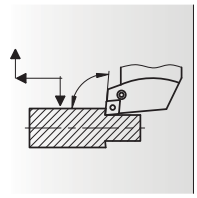
PDNNR
Pag. 626



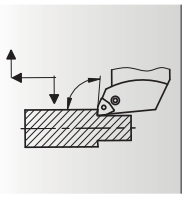
SDNCN
Pag. 628



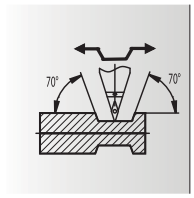
SVJB
Pag. 629



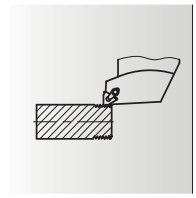
PCLN
Pag. 625



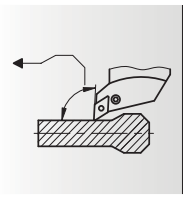
PWLN
Pag. 627



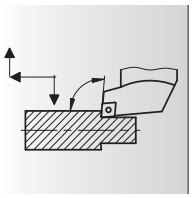
SVVCN
Pag. 628



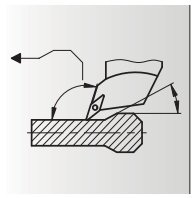
THE
Pag. 630



PDJN
Pag. 626



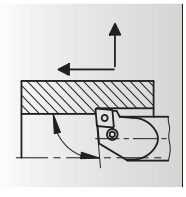
SCLC
Pag. 627



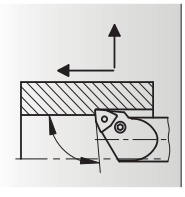
SVHC
Pag. 629

INTERNAL (I.D.) BORING BARS

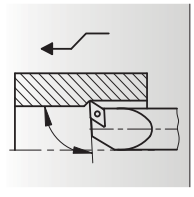
BOHRSTANGE FÜR DIE INNENBEARBEITUNG BARENI PER INTERNI
BARRAS PARA INTERNOS BARRES D'ALESAGE INTERIEURS
РАСТОЧНЫЕ ДЕРЖАВКИ 内部（内径）镗杆



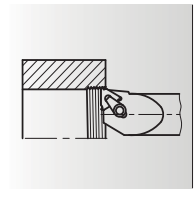
PCLN
Pag. 630



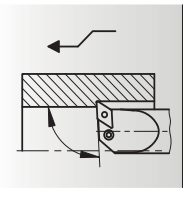
PWLN
Pag. 631



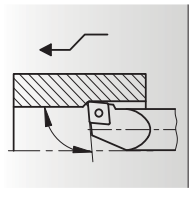
SDUC
Pag. 631



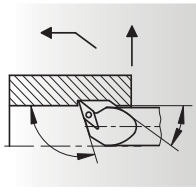
THE
Pag. 632



PDUN
Pag. 630



SCLC
Pag. 631



SVQB
Pag. 632

IDENTIFICATION OF EXTERNAL (O.D.) TURNING TOOLS-HSK HOLDER

BEZEICHNUNG VON HSK KLEMMHALTER FÜR AUSSENBEARBEITUNG
IDENTIFICACION DE LOS PORTA-PLAQUITAS PARA EXTERNOS – MANGO HSK
СИСТЕМА ОБОЗНАЧЕНИЯ ДЕРЖАВОК С ХВОСТОВИКОМ HSK ДЛЯ ВНЕШНЕГО ТОЧЕНИЯ
IDENTIFICAZIONE DEI PORTA INSERTI PER ESTERNI-ATTACCO HSK
DESIGNATION DES PORTE-PLAQUETTES EXTERIEURS-ATTACHEMENT HSK
外部（外径）车刀—HSK柄标识

① Aufnahme / Type of holder / Attachement / Tipo di attacco / **Tipo de mango** / Тип державки / 柄的类型

HSK

DIN 69893

② Aufnahmedurchmesser / Holder size / Dimensions d'attachement / Grandezza dell'attacco / **Tamaño del mango** / Типоразмер / 柄的尺寸

32	ø32
40	ø40
50	ø50
63	ø63
80	ø80
100	ø100
125	ø125
160	ø160

③ Form / Holder form / Forme d'attachement / Forma dell'attacco / **Forma del mango** / Вид державки / 柄的形式

A + C

④ Spannsystem / Clamping system / Système de serrage / Sistema di bloccaggio / **Sistema de fijación** / Система крепления СМП / 夹紧系统

C, D, M, P, S

⑤ Platteform / Insert Shape / Forme des plaquettes / Forma degli inserti / **Forma de las plaquitas** / Форма пластины / 插件形状

C 80, D 55, R, S, T, V 35, W 80

H	50	T	S	C	L	C	L	12
①	②	③	④	⑤	⑥	⑦	⑧	⑨

⑥ Halterform / Shape of turning tools / Forme des porte-plaquettes / Forma dei portainserti / **Forma de las plaquitas** / Угол в плане / 车刀的形状

A	B	C	D	E	F	G	H	J	K	L
90	75	90	45	60	90	90	107.5	93	75	95

M	N	P	Q	R	S	T	U	V	W	Y
50	63	117.5	15	75	45	60	93	72.5	60	85

⑦ Freiwinkel / Clearance angle / Angle de depouil / Angolo di spoglia / **Angulo de incidencia** / Задний угол / 间隙角度

B, C, N, P

⑧ Vorschubrichtung / Feeding direction / Sens de l'avance / Senso di avanzamento / **Dirección de corte** / Исполнение / 进给方向

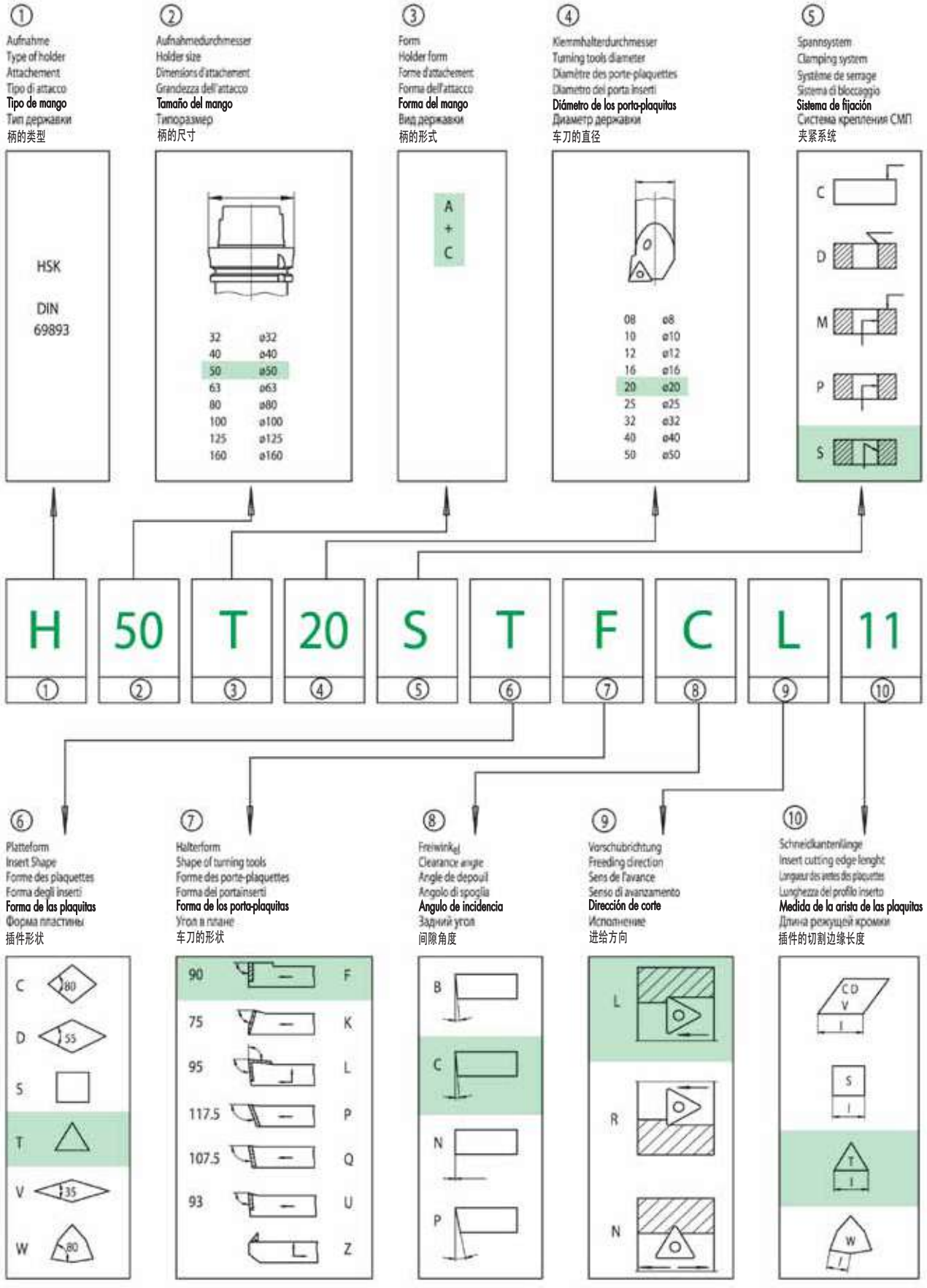
L, R, N

⑨ Schneidkantenlänge / Insert cutting edge lenght / Longueur des aretes des plaquettes / Lunghezza del profilo inserto / **Medida de la arista de las plaquitas** / Длина режущей кромки / 插件的切割边缘长度

CDE MV, S, R, T, W

IDENTIFICATION OF INTERNAL (I.D.) TURNING TOOLS-HSK HOLDER

BEZEICHNUNG VON HSK KLEMMHALTER FÜR DIE INNENBEARBEITUNG
IDENTIFICACION DE LOS PORTA-PLAQUITAS PARA INTERNOS – MANGO HSK
СИСТЕМА ОБОЗНАЧЕНИЯ РАСТОЧНЫХ ДЕРЖАВОК С ХВОСТОВИКОМ HSK
IDENTIFICAZIONE DEI PORTA INSERTI PER INTERNI-ATTACCO HSK
DESIGNATION DES PORTE-PLAQUETTES INTERIEURS-ATTACHEMENT HSK
内部（内径）车刀—HSK柄标识



TURNING MODULAR SYSTEM

- Adopting the famous HSK-DIN69893, in the several versions, and maintaining an interchangeability with the attacks for working centers, KINTEK offers the possibility to reduce, drastically, the times of set-up.
- Maximum rapidity in the tool change
- Great rigidity thanks to the big support surface
- The same cutting position
- Reduction of the vibrations
- Precision of interchangeability
- Optimal repeatability of positioning to the change tool: maximum error +/- 0,002 mm
- The conical bar hold is introduced in the appropriate center and, turning screw, a special clamp opens Locking the tool-holder taking advantage of the connection cone-plan
- Baluff chip hole

SYSTEM MODULAIRE DE TOURNAGE

- En utilisant le fameux HSK-DIN69893, dans les différentes versions, et en gardant une interchangeabilité avec les attaques pour des centres d'usinage à commande numérique, KINTEK offre la possibilité de réduire, significativement, les temps de l'installation.
- Rapidité maximum dans le changement d'outil.
- Grande rigidité grâce à la surface d'appui.
- La position de decoupe est toujours identique
- Réduction des vibrations.
- Précision d'interchangeabilité.
- Répétabilité optimale du positionnement du changement de l'outil: erreur maximum +/- milimetre 0.002
- La queue conique est entroduite dans le siége spécial et en tournant une vis, on agit sur la bride spéciale qui bloquera le porte-outil en profitant de l'accouplement cône-plan.
- Trou pour balluff chip

SISTEMA MODULARE DI TORNITURA

- Adottando il noto HSK-DIN69893, nelle varie versioni, e mantenendo una intercambiabilità con gli attacchi per centri di lavoro, KINTEK offre la possibilità di ridurre, drasticamente, i tempi di set-up.
- Massima rapidità nel cambio utensile
- Grande rigidità grazie alle grandi superfici d'appoggio
- Posizione del tagliente sempre identica
- Riduzione delle vibrazioni
- Precisione d'intercambiabilità
- Ottima ripetibilità di posizionamento al cambio utensile : errore massimo +/- 0,002 mm
- Il codolo conico viene introdotto nell'apposita sede e, ruotando una vite, si agisce sull'apertura della speciale pinza che bloccherà il portautensile sfruttando l'accoppiamento cono-piano.
- Foro per baluff chip

МОДУЛЬНАЯ ТОКАРНАЯ СИСТЕМА

- KINTEK дает возможность заметно сократить время наладки инструмента, благодаря использованию известного конуса HSK-DIN69893 и принципа взаимозаменяемости в обрабатывающих центрах
- Максимальная скорость при смене инструмента
- Высокая жесткость благодаря большой площади опорной поверхности
- Всегда идентичное положение режущей кромки
- Уменьшение вибраций
- Точность взаимозаменяемости
- Оптимальная повторяемость при смене инструмента: максимальная ошибка +/- 0,002 мм
- Конический хвостовик устанавливается в соответствующее гнездо.
  При вращении винта открываются губки, которые затем зажимают коническую часть оправки.
- Отверстие для датчика Baluff

MODULARES WERKZUGSYSTEM FÜR DREHMASCHINEN

- Kintek präsentiert dieses modulare Drehsystem auf HSK-Basis das nicht nur die Wechselzeiten drastisch reduziert sondern auch eine universelle Schnittstelle darstellt, die auch auf den neueren Bearbeitungszentren mit HSK-Schnittstelle einsetzbar ist.
- Sehr schneller Werkzeugwechsel
- Vibrationsarm dank stabiler Spannung und Plananlage
- Sehr hohe Steifigkeit durch die Plananlage
- Hohe Wechselgenauigkeit der Schneide
- Maximaler Wiederholgenauigkeit +/- 0,002 mm Der Werkzeugträger wird in den HSK-Adapter eingesetzt und mit einem einfachen Schlüssel in wenigen Sekunden befestigt. (Der Schlüssel dreht eine Schraube, die eine spezielle Spanneinheit ausdehnt und den HSK Kegel einzieht und so mit einer Plananlage spannt)
- Baluff chip Bohrung

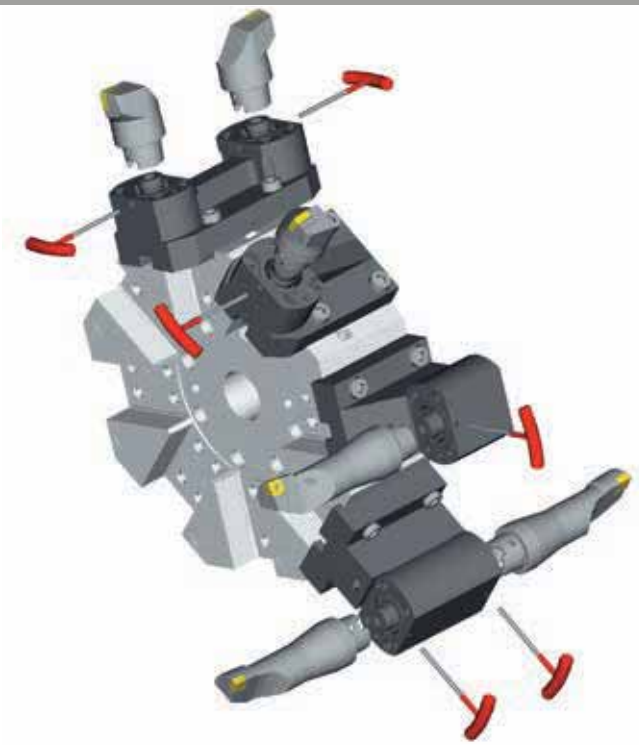
转动模块系统

- 采用著名的 HSK-DIN6989 3的版本，保持了与工作中心的换性，
  KINTEK 显著降低了设置时间。
- 工具更换最为迅速
- 由于支撑面更大，更加结实
- 切割位置相同
- 减少震动
- 互换性的精度
- 更换工具定位的最佳重复性：最高误差为+/- 0.002 毫米
- 在适当的中心引入锥形棒，使用转动螺丝，实现一种专用夹打开方式 利用连接锥度平面而锁定刀柄
- Baluff 芯片孔

SISTEMA MODULAR DE TORNIDURA

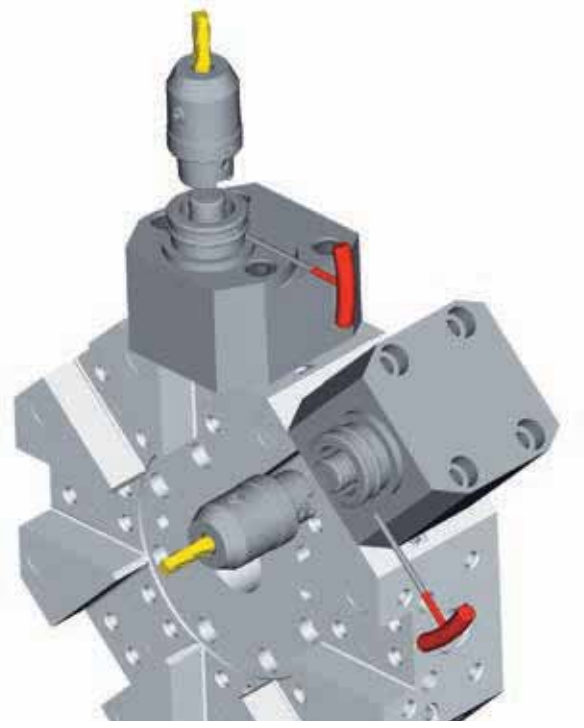
- Adoptando el conocido HSK-DIN69893, en las diferentes versiones, y manteniendo una intercambiabilidad con los ataques para los centros de mecanizado, KINTEK ofrece la posibilidad de reducir, drásticamente, los tiempos de instalación.
- Máxima rapidez en el cambio herramienta
- Gran rigidez gracias a las grandes superficies de apoyo
- La posición del filo es siempre la misma
- Reducción de las vibraciones
- Precisión de la intercambiabilidad
- Excelente repetibilidad del posicionamiento al cambio herramienta: máximo error +/- 0,002 mm
- El tirante cónico se introduce en la sede apropiada y, girando el tornillo, se actúa sobre la apertura de la pinza especial que bloqueará el portaherramientas aprovechando el acoplamiento cono-plano.
- Agujero para el chip baluff

PERSONALISED SOLUTION
SOLUZIONI PERSONALIZZATE
MASCHINENBEZOGENE LÖSUNGEN
SOLUCIONES PERSONALIZADAS
SOLUTIONS PERSONALISÉES
СПЕЦИАЛЬНОЕ РЕШЕНИЕ
个性化解决方案

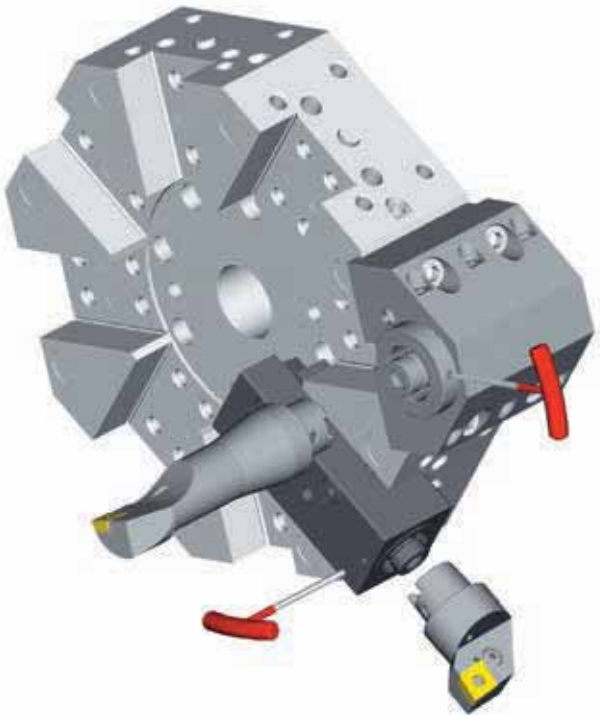


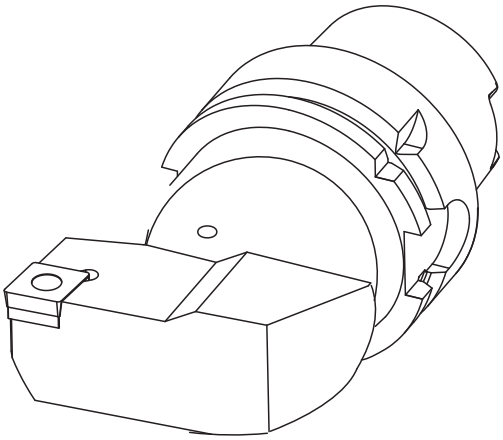
VDI SOLUTION
SOLUZIONE VDI
VDI LÖSUNGEN
SOLUCION VDI
SOLUTION VDI
РЕШЕНИЕ ДЛЯ VDI
VDI 解决方案

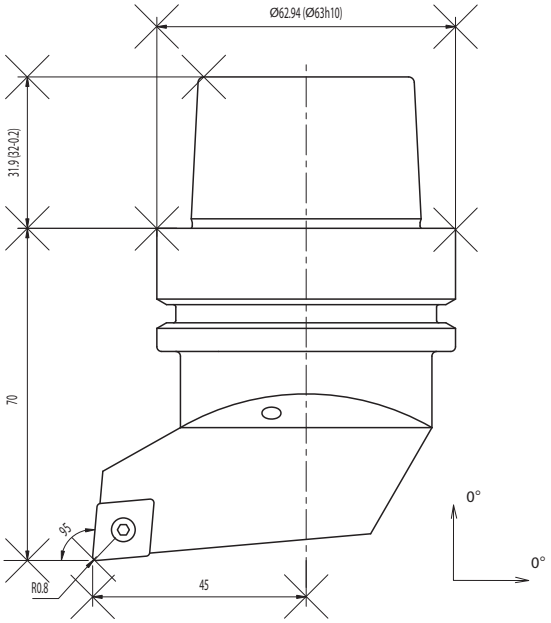
MOTORIZED TOOL-HOLDERS
PORTAUTENSILI MOTORIZZATI
ANGETRIEBENE WERKZEUGE
PORTAHERRAMIENTAS MOTORIZADAS
PORTE-OUTILS MOTORISES
ПРИВОДНОЙ ИНСТРУМЕНТ
机械化刀柄



UNIVERSAL SOLUTION
SOLUZIONE UNIVERSALE
UNIVERSELLE LÖSUNG
SOLUCION UNIVERSAL
SOLUTION UNIVERSELLE
УНИВЕРСАЛЬНОЕ РЕШЕНИЕ
通用解决方案







On request we can send you general layouts in dxf format with the relative dimensions.

Sono disponibili a richiesta i disegni di massima in formato dxf con relative quote di ingombro.

Auf Anfrage sind Dispositionszeichnungen im dxf Format mit entsprechenden Massen verfügbar.

Están disponibles a petición los planos generales en formato dxf con los relativos tamaños

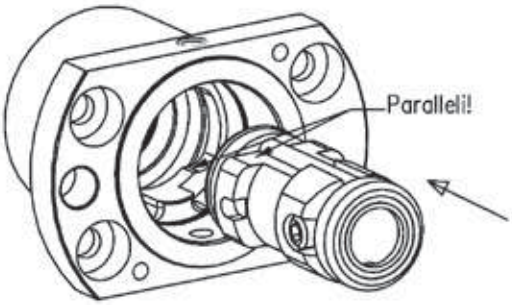
Sur demande les dessins d'avant-projet en format dxf sont disponibles avec les relatives cotes.

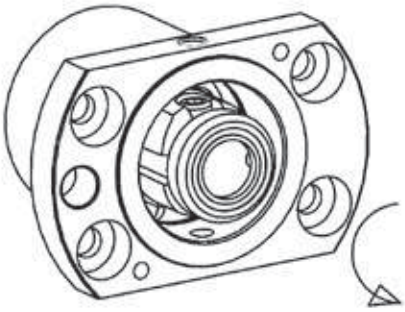
По запросу мы готовы выслать Вам общий чертеж в формате dxf с соответствующими размерами.

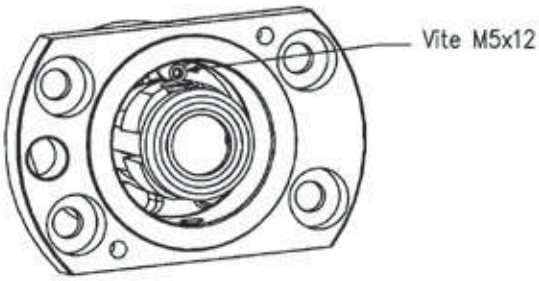
如有要求，我们可以发送DXF格式的带有相关参数的总体设计。

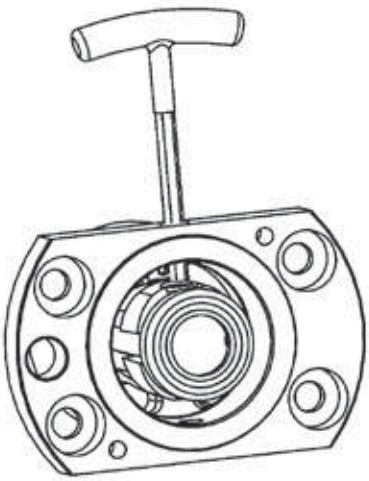
H63ABSL ADAPTER - CLAMPING ASSEMBLAGE

H63ABSL EINSATZ - MONTAGE DER SPANNZYLINDER
BUSSOLA H63ABSL - MONTAGGIO DEL GIUNTO
CASQUILLO H63ABSL – INSTALACION DEL DISPOSITIVO DE BLOQUEO
DOUILLE H63ABSL - MONTAGE DU DISPOSITIF DE BLOCAGE
ПЕРЕХОДНИК H63ABSL- УСТАНОВКА ЗАЖИМНОГО ПРИБОРА
H63ABSL接头-夹持组装









1–Setzen Sie den HN63C-Spannzylinder in den H63ABSL-Einsatz ein, indem Sie ihn durch die inneren Nuten des Einsatzes durchlassen. Spannschraube am Zylinder und Bohrung am Flansch sind um 90° versetzt.

Insert the HN63C clamping down into the H63ABSL adapter, letting it go through the slots inside the adapter.

Introduire en totalité le dispositif de blocage HN63C à l'intérieur de la douille H63ABSL en utilisant les rainures de guidage qui se trouvent à l'intérieur du corps!

Inserire in profondità il giunto di bloccaggio HN63C all'interno della bussola H63ABSL facendolo passare fra le scanalatura presenti all'interno della bussola stessa!

Insertar en profundidad el dispositivo de bloqueo HN63C dentro del casquillo H63ABSL, haciéndolo pasar por las guías que están dentro del casquillo.

在 H63ABSL 接头处插入 HN63C 夹头，使其直接到达适配器的插槽。

2–Drehen Sie den HN63C-Spannzylinder nun um 90°, sodaß die kleine Einfrasung auf der Seite des Spannzylinder sich unter dem Gewindeestift befindet, der im Einsatz sitzt. Die Bohrung am Flansch und die Spannschraube am Spannzylinder sind nun in einer Linie.

Rotate of 90° the HN63C clamping, in order to put the little milling that lies on a side of the clamping itself exactly in the same position of the fastpin inside the adapter.

Tourner le dispositif HN63C de 90° (à gauche ou à droite) afin de positionner la goupille de retenue filetée dans la petite rainure située sur le coté du dispositif.

Ruotare il giunto HN63C di 90° in modo di posizionare la piccola fresatura presente su un lato dello stesso in corrispondezza della spina filettata di tenuta situata all'interno della bussola.

Rotar el dispositivo HN63C de 90°, a fin de posicionar el pequeño fresado que se encuentre en un lado del dispositivo mismo en la misma posición de la clavija roscada dentro del casquillo.

HN63C 夹头旋转 90 度，使附在夹头上的小齿边与适配器里的快动梢在相同的位置。

3–Schrauben Sie den M5x12 Gewindestift fest ein, sodaß der HN63C-Spannzylinder festgehalten wird.

Screw the M5x12 fastpin, in order to stop the movement of HN63C clamping.

Visser la goupille filée M5x12 afin d'arreter le mouvement du dispositif HN63C.

Avvitare la spina filettata M5x12 in modo di fermare il senso rotatorio del giunto HN63C.

Atornillar la clavija roscada M5x12, a fin de parar el movimiento del dispositivo HN63C.

拧紧 M5X12 快动梢以阻止 HN63C 夹头的移动

4–Zur Montage und Demontage der HSK63A-Werkzeuge, schrauben Sie mit dem 5mm-Inbusschlussel im Uhrzeiger- und Gegenuhrzeigersinn die Klemmschraube auf den HN63C-Spannzylinder auf und zu.

To assemble and disassemble the HSK63A tools it's necessary to operate in clock-and underclockwise with a 5mm set screw wrench on the fastening screw of the HN63C clamping.

Pour le montage et le positionnement des outils HSK63A tourner dans le sens des aiguilles d'une montre et bloquer avec la clé 6 pans de 5mm la vis de serrage placée sur le dispositif de blocage HM63C. Faire l'inverse pour le démontage.

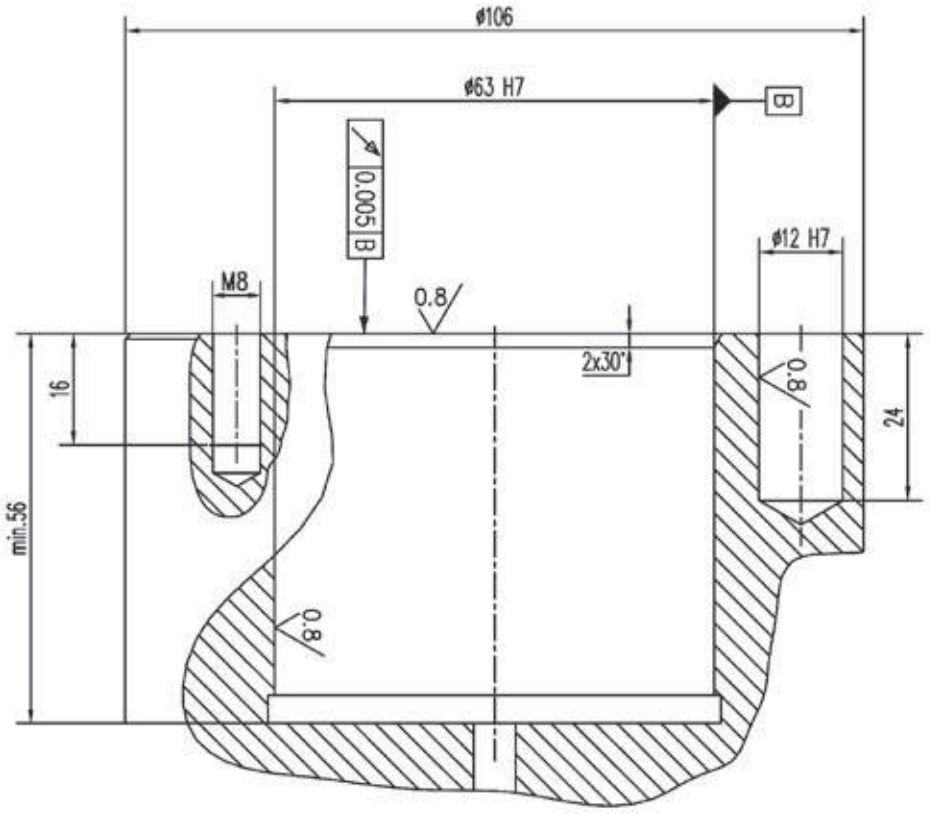
Per il montaggio e smontaggio utensili HSK63A agire, in senso orario ed antiorario, con chiave a brugola ob 5 mm alla vite di chiusura situata sul giunto di bloccaggio HN63C.

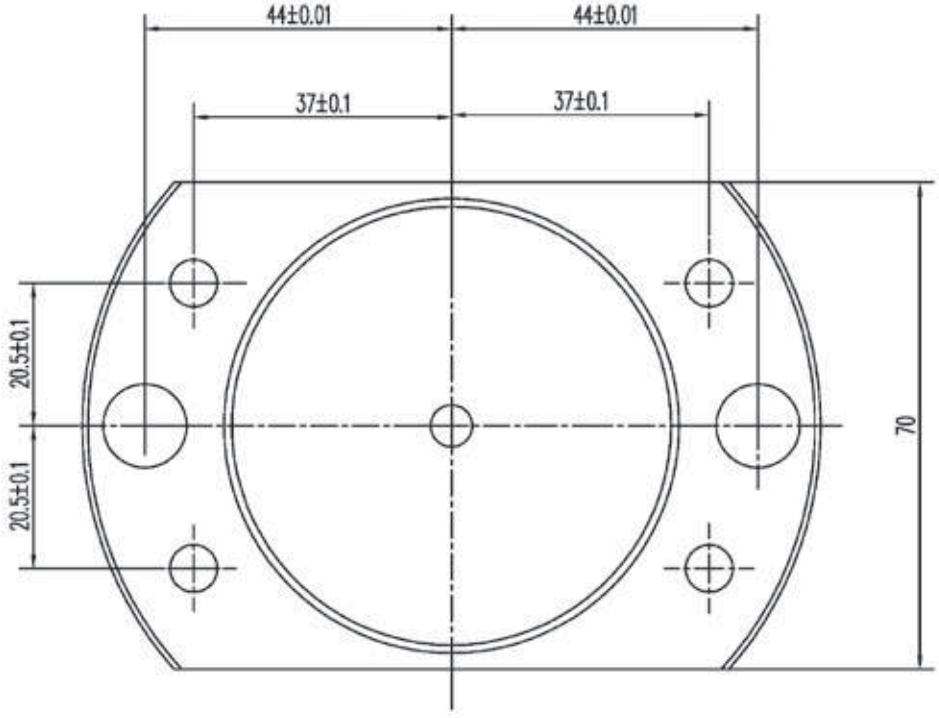
Para el montaje y el desmontaje de las herramientas HSK63A es necesario actuar en sentido horario y antihorario con una llave de 5mm sobre el tornillo de apriete situado sobre el dispositivo de bloqueo HN63C.

装配和拆卸 HSK63A 刀具。在 HN63C 夹头的紧固螺丝上用一个5mm 的拧紧扳手组套顺时针以及逆时针工作是必要的。

SEAT FOR THE H63ABSL-ADAPTER

SITZ FÜR DEN H63ABSL-EINSATZ
SEDE PER LA BUSSOLA H63ABSL
SEDE PARA EL CASQUILLO H63ABSL
SIEGE POUR L'ADAPTEUR H63ABSL
ГНЕЗДО ДЛЯ H63ABSL-АДАПТЕРА
H63ABSL 接适配器底座





HSK DIN69893 TOOLS AND TOOLHOLDERS

HSK-T

All HSK tools and toolholders are manufactured according to DIN norm.
CONE'S TOLERANCE According to DIN 69893
DRIVE KEY'S TOLERANCE
The so-called ICTM tolerance was born to reduce the positive allowance between the spindle drive key and the holder key slot. The ICTM tolerance applied on these products to the drive key gives them a great capacity of precision. The advantages of standard ICTM are multiple: excellent repeatability of change tool positioning, maximum error +/-0,005 giving the cutting edge always the same position, it permits a perfect tool interchangeability, it eliminates vibrations.
- Manufactured with casehardening Steel
- Casehardened with depth 0,4-0,5 mm
- Hardened-Tempered-Black oxided
- Hardness HRC 58+-2 , strenght 800-1000 N/mm2
- Internal and external grinding finish
- Working of the front side (tool seat)
- Taking up drive keys to ICTM tolerance
- Tested 100% with certified measuring instruments

UTENSILI E PORTAUTENSILI CON ATTACCO HSK DIN69893

HSK-T

Tutti gli utensili e portautensili con attacco HSK vengono prodotti secondo le normative DIN.
TOLLERANZE DEL CONO Prodotti secondo DIN 69893
TOLLERANZE CHIAVETTE DI TRASCINAMENTO
La tolleranza definita ICTM è sorta per ridurre al minimo il gioco di accoppiamento tra il tassello di trascinamento /posizionamento, posizionato sulle macchine utensili, e la sede del portautensile/utensile. Le tolleranze ICTM applicate in questi prodotti sulle sedi del tassello di posizionamento danno allo stesso notevoli caratteristiche di alta precisione. I vantaggi che ne conseguono dello standard ICTM sono diversi: ottima ripetibilità di posizionamento del cambio utensile, errore massimo +/-0,005 mm dando al tagliente sempre la stessa posizione, perfetta intercambiabilità dell'utensile, eliminazione delle vibrazioni.
- Costruiti in acciaio da cementazione legato
- Cementati con profondità 0,4-0,5 mm
- Temprati-rinvenuti-bruniti
- Durezza HRC 58+-2 resistenza 800-1000 N/mm2
- Finitura di rettifica interna-esterna
- Lavorazione della parte anteriore (sede utensile)
- Ripresa sedi tassello di trascinamento a tolleranze ICTM
- Collaudati 100% con strumenti di misura certificati

HSK - AUFNAHMEN UND WERKZEUGHALTER NACH DIN69893

HSK-T

Alle HSK - Aufnahmen und Werkzeughalter werden nach den DIN-Normen angefertigt.
KEGELSCHAFTTOLERANZEN Nach DIN 69893 angefertigt.
PASSFEDERTOLERANZEN
Nach den ICTM-Toleranzen angefertigt. Wenn die ICTM-Toleranz eingehalten wird, ist das Kupplungsspiel zwischen der Paßfeder an den Werkzeugmaschinen und dem Werkzeughaltersitz auf das Minimum reduziert. Die ICTM-Toleranzen, die bei diesen Produkten an den Paßfedersitzen eingehalten werden, versichern Höchstpräzision. Weitere Vorteile sind: sehr gute Wiederholbarkeit der Positionierung beim Werkzegwechsel, höchster Fehler +- 0,005 mm bei der gleichen Position der Schneide, sehr guter Werkzeugwechsel, Beseitigung der Vibrationen.
- aus Einsatzstahl angefertigt
- in Einsatzhärtetiefe von 0,4-0,5 mm
- gehärtet, angelassen, brüniert
- Härte HRC 58+-2, Festigkeit 800-1000 N/mm2
- inneres, äußeres Schleifen
- Vorderseite (Werkzeugsitz) bearbeitet
- Fertigbearbeitung der Paßfedersitze nach den ICTM-Toleranzen
- 100% durch zertifizierte Meßinstrumente geprüft

HERRAMIENTAS Y PORTAHERRAMIENTAS CON MANGO HSK DIN 69893

HSK-T

Todas las herramientas y los portaherramientas con mango HSK están producidos de acuerdo con las normativas DIN.
TOLERANCIA DEL CONO Producidos de acuerdo con DIN 69893
TOLERANCIA DE LAS CHAVETAS DE ARRASTRE
La tolerancia definida ICTM ha nacido para minimizar la holgura en acoplamiento entre el pasador de arrastre/posicionamiento, posicionado sobre las maquinas herramientas, y la sede del portaherramientas. Las tolerancias ICTM aplicadas en esos productos sobre las sedes del pasador de posicionamiento dan al mismo pasador características notables de alta precisión. Las ventajas del estándar ICTM son diferentes: optima repetibilidad de posicionamiento del cambio herramientas, máximo error +/- 0,005 mm dando al filo de corte siempre la misma posición, perfecta intercambiabilidad de la herramienta, eliminación de las vibraciones.
- Construidos en acero de cementado
- Cementados con profundidad 0,4-0,5 mm
- Templados-Revenidos-Pavonados
- Dureza HRC 58+-2 resistencia 800-1000 N/mm2
- Rectificado de acabado interior y exterior
- Mecanizado de la parte anterior (sede herramienta)
- Mecanizado de las sedes del pasador de arrastre a tolerancias ICTM
- Testados 100% con instrumentos de medida certificados

TECHNICAL FEATURES

OUTILS ET PORTE-OUTILS AVEC ATTACHEMENT HSK DIN69893

HSK-T

Tous les outils et porte-outils avec attachement HSK sont fabriqués selon les normes DIN.
TOLERANCE DU CONE
Fabriqué selon DIN 69893
TOLERANCE DE LA CLAVETTE D'ENTRAINEMENT
La tolérance ICTM est née afin de réduire le jeu de couplage entre la cheville d'entrainement/mise en place, positionnée sur les machines outils, et le siège du porte-outil/outil. Les tolérance ICTM appliquées pour ces produits sur le siège de la cheville de mise en place (clavettes) leur donnent des caractéristiques remarquables de haute précision. Les avantages du standard ICTM qui s'ensuivent sont différents; répétitivité de positionnement du porte-outil, erreur +/-0,005 mm maximum avec la plaquette toujours au meme endroit, trés bonne interchangeabilité de l'outil et l'elimination des vibrations.
- Produits en acier cémenté allié
- Cémentés avec profondeur 0,4-0,5 mm
- Tempré-Revenus-brunis
- Dureté HRC 58+-2 résistance 800-1000 N/mm2
- Finition de rectification intérieure, extérieure
- Finition de la face de réference de l'outil
- Finition des siéges de la cheville d'entrainement selon tolérance ICTM
- Controlés à 100% avec des instruments de mesure certifiés

ДЕРЖАВКИ И РЕЗЦЕДЕРЖАТЕЛИ С ХВОСТОВИКОМ HSK

HSK-T

Все державки и резцедержатели Kintek произведены согласно стандарту DIN.
ТОЧНОСТЬ КОНУСА
Соответствует классу DIN 69893
ТОЧНОСТЬ УСТАНОВКИ В ПРИВОДНОЙ ГОЛОВЕ (точность шпоночного паза)
Согласно нормам системы ICTM, поле допуска приводной шпонки и канавки резцедержателя меньше, чем в стандартной системе. Соблюдение требований ICTM позволяет получить высокоточное соединение. К преимуществам данной системы относятся: отличная повторяемость позиционирования режущей кромки при смене инструмента, максимальная ошибка позиционирования режущей кромки +/- 0,005. Это позволяет получить хорошую взаимозаменяемость инструмента и исключить вибрации.
- Изготовлены из стали с последующей цементацией
- Цементация на глубину 0,4 - 0,5 мм
- Оправки подвергнуты закалке и отпуску. Защитно-декоративное покрытие черного цвета.
- Твердость 58+/-2 HRC, прочность 800-1000 Н/мм2
- Шлифованные внешние и внутренние диаметры
- Точность приводных шпонок станка должна быть по стандарту ICTM
- Каждая оправка испытана на сертифицированном оборудовании

HSK DIN69893工具及刀柄

HSK-T

所有 HSK 工具和刀柄均根据 DIN 标准制造。
锥的误差
符合 DIN 69893。
锥枢的误差
所谓的 ICTM 误差，旨在减少主轴锥枢与刀柄键槽之间的正容差。将 ICTM 误差应用于这些产品上的锥枢，可使其达到很高的精准度。ICTM 标准的好处众多：工具更换定位具有高度可重复性，最高 +/-0,005 的误差使得切割边缘总是位于同一个位置，这样可达到完美的工具互换，同时还减少了震动。

- 采用表面硬化钢材制造
- 硬化深度达 0,4 - 0,5 毫米。
- 经过硬化及回火处理。黑色氧化。
- 硬度达 HRC 58+-2，强度达 800-1000 N/平方毫米。
- 内部及外部表面打磨处理。
- 在（工具座）正面工作。
- 适用于 ICTM 误差的锥枢。
- 100% 使用经过认证的测量工具检测过。

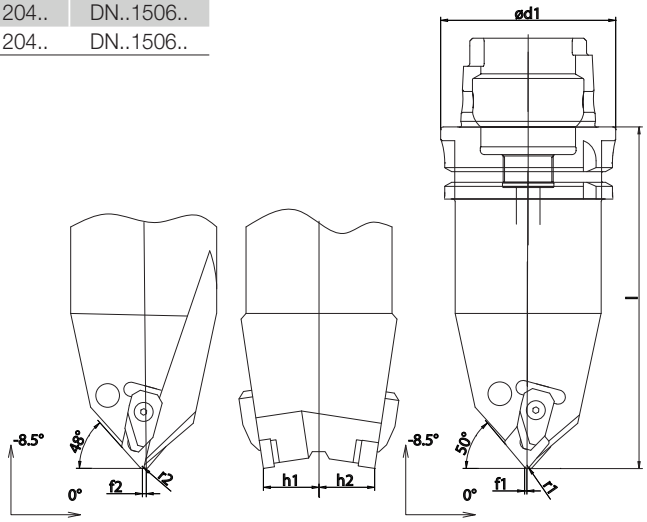
www.kintek.it

DCM12DDM15

CODE N.	d1	l	f1	r1	h1	f2	r2	h2	INSERTS N.1	INSERTS N.2
H63TDCM12DDM15-100	63	100	0.9	0.8	20	0.9	0.8	20	CN..1204..	DN..1506..
H63TDCM12DDM15-145	63	145	0.9	0.8	20	0.9	0.8	20	CN..1204..	DN..1506..

SUPPORT PAD - 1	SUPPORT PAD - 2	SHIM PIN	CLAMP	SPRING	SCREW
SPCN12	SPDN15	SP02	STF12L-M	M2	VT22
SPCN12	SPDN15	SP02	STF12L-M	M2	VT22

ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

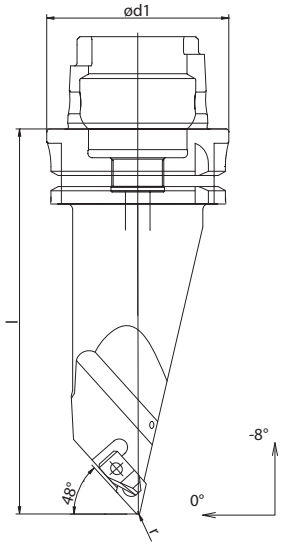


DDMNL

CODE N.	d1	l	r	INSERTS N.
H63TDDMNL15-100	63	100	0.8	DN.1506..
H63TDDMNL15-145	63	145	0.8	DN.1506..
H100TDDMNL15-160	100	160	0.8	DN.1506..

SUPPORT PAD	SHIM PIN	CLAMP	SPRING	SCREW
SPDN15	SP02	STF12L	M2	VT22
SPDN15	SP02	STF12L	M2	VT22
SPDN15	SP02	STF12L	M2	VT22

ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

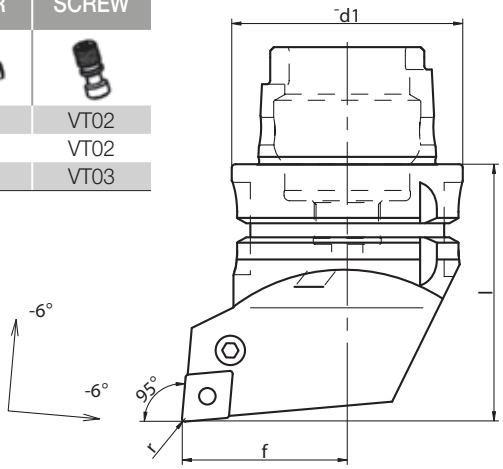


PCLN

CODE N.	d1	l	f	r	INSERTS N.
H63TPCLNL/R12	63	70	45	0.8	CNM.1204..
H100TPCLNL/R12	100	90	65	0.8	CNM.1204..
H100TPCLNL/R16	100	90	65	0.8	CNM.1606..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPCN12	SP02	LV02	VT02
SPCN12	SP02	LV02	VT02
SPCN16	SP03	LV03	VT03

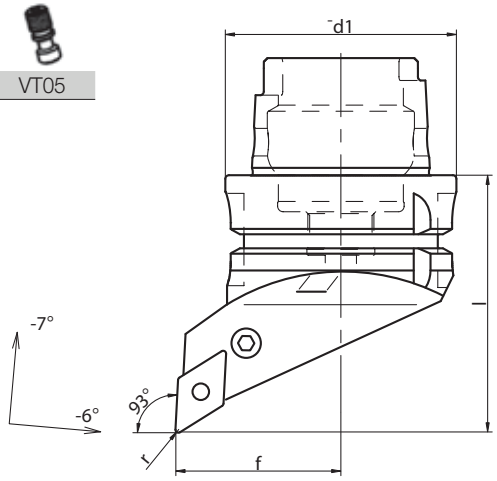
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



PDJN

CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63TPDJNL/R15	63	70	45	0.8	DNM.1506..	SPDN15	SP02	LV05	VT05

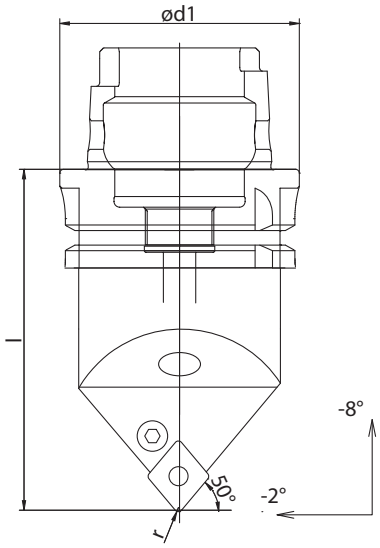
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



PCMNR

CODE N.	d1	l	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63TPCMNR12-90	63	90	0.8	CN.1204..	SPCN12	SP02	LV02	VT02
H63TPCMNR12-100	63	100	0.8	CN.1204..	SPCN12	SP02	LV02	VT02
H63TPCMNR12-145	63	145	0.8	CN.1204..	SPCN12	SP02	LV02	VT02

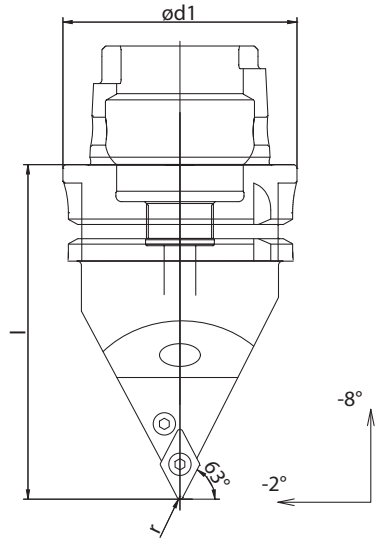
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



PDNNR

CODE N.	d1	l	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63TPDNNR15-90	63	90	0.8	DN.1506..	SPDN15	SP02	LV05	VT05
H63TPDNNR15-100	63	100	0.8	DN.1506..	SPDN15	SP02	LV05	VT05
H63TPDNNR15-145	63	145	0.8	DN.1506..	SPDN15	SP02	LV05	VT05
H100TPDNNR15-160	100	160	0.8	DN.1506..	SPDN15	SP02	LV05	VT05

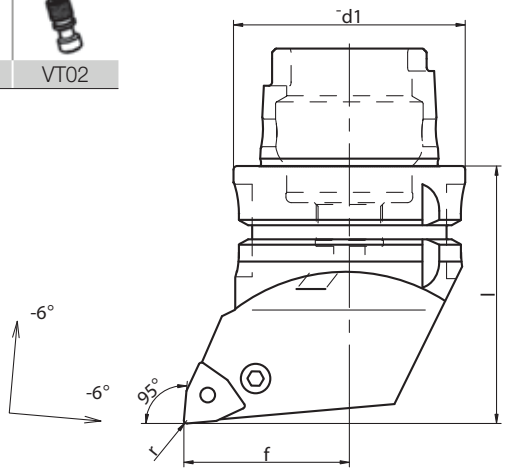
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



PWLN

CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63TPWLNL/R08	63	70	45	0.8	WN..0804..	SPWN08	SP02	LV02	VT02

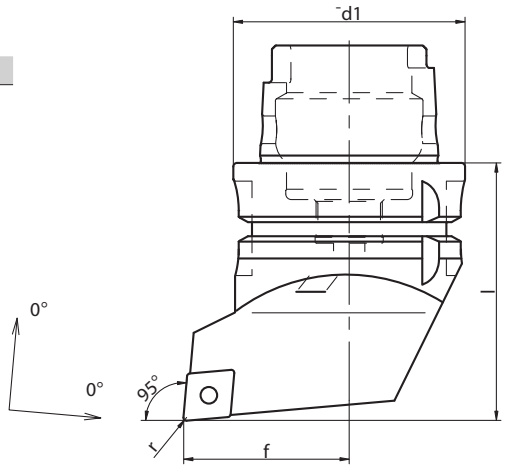
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



SCLC

CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSCLCL/R12	63	70	45	0.8	CC..1204..	SPCC12	VTA01	TR4

ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



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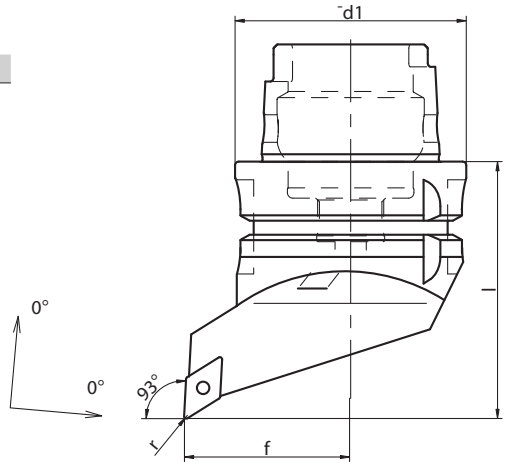
SDJC

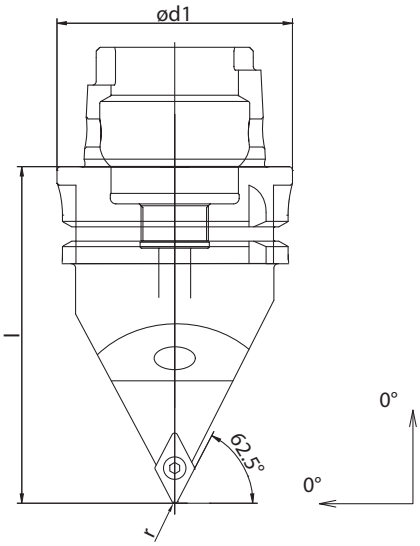
CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSDJCL/R11	63	70	45	0.8	DC..11T3..	SPDC11	VTA02	TR8



ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

SDNCN

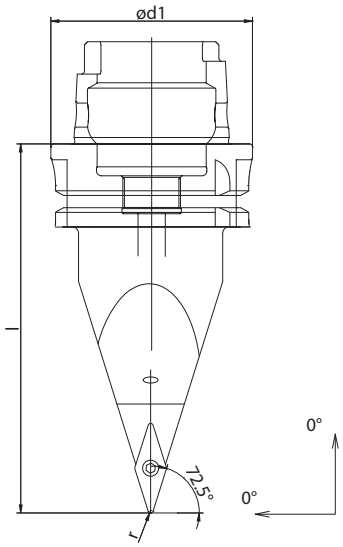
CODE N.	d1	l	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSDNCN11-145	63	145	0.8	DC..11T3..	SPDC11	VTA02	TR8



ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

SVVCN

CODE N.	d1	l	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSVVCN16-90	63	90	0.8	VC..1604..	SPVC16	VTA02	TR8
H63TSVVCN16-145	63	145	0.8	VC..1604..	SPVC16	VTA02	TR8

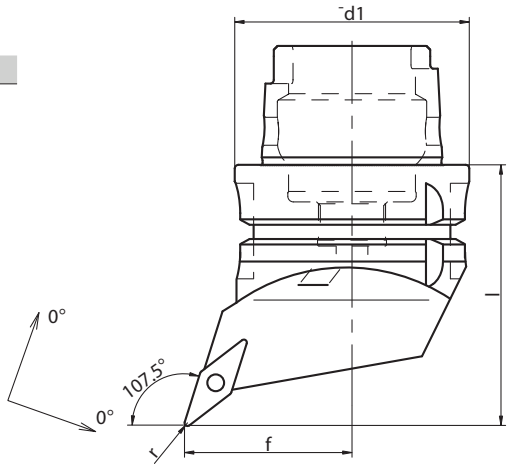


ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

SVHC

CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSVHCL/R16	63	70	45	0.8	VC..1604..	SPVC16	VTA02	TR8

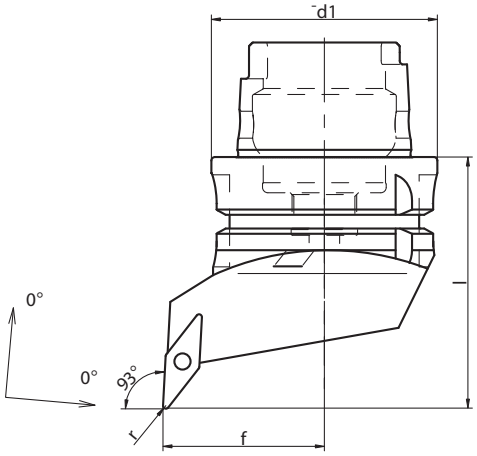
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



SVJC

CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSVJCL/R16	63	75	45	0.8	VC..1604..	SPVC16	VTA02	TR8

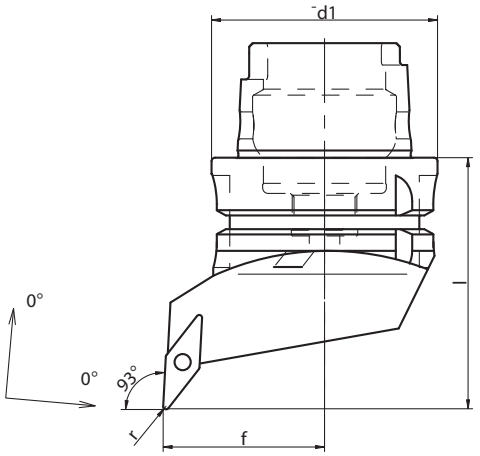
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



SVJB

CODE N.	d1	l	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63TSVJBL/R16	63	75	45	0.8	VB..1604..	SPVC16	VTA02	TR8

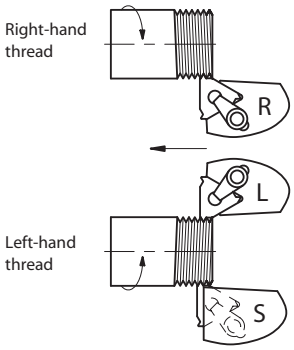
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

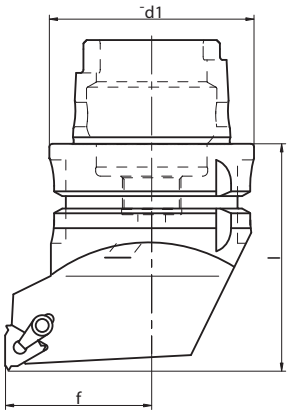


THE

CODE N.	d1	l	f	r	SUPPORT PAD	SCREW	CLAMP
H63TTHEL16	63	70	45	16EL	SPTF16	VT26	STF13
H63TTHER16	63	70	45	16ER	SPTF16	VT26	STF13

ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

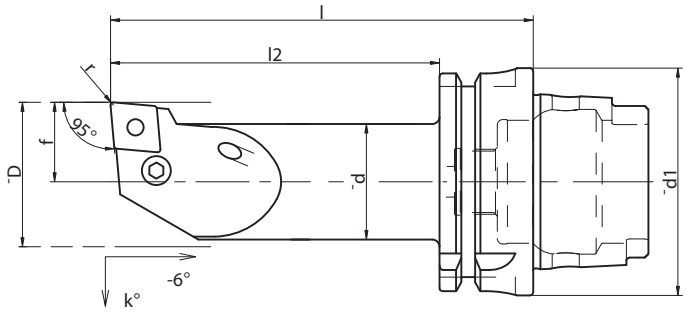




PCLN

CODE N.	d1	d	l	l2	f	k°	D	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63T25PCLNL/R12	63	25	100	74	17	-12	32	0.8	CNM.1204..	-	-	LV02	VT11
H63T32PCLNL/R12	63	32	120	94	22	-10	40	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02
H63T40PCLNL/R12	63	40	140	114	27	-10	50	0.8	CNM.1204..	SPCN12	SP02	LV02	VT02

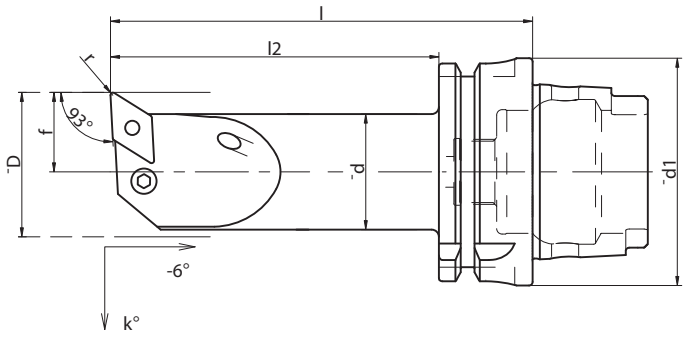
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



PDUN

CODE N.	d1	d	l	l2	f	k°	D	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63T32PDUNL/R15	63	32	120	94	22	-15	40	0.8	DN..1506..	SPDN15	SP02	LV05	VT05
H63T40PDUNL/R15	63	40	140	114	27	-12	50	0.8	DN..1506..	SPDN15	SP02	LV05	VT05

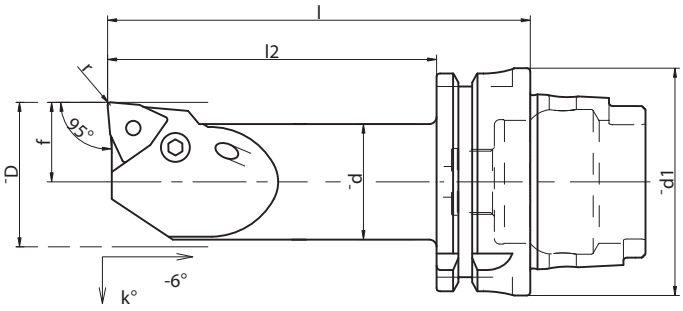
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



PWLN

CODE N.	d1	d	l	l2	f	k°	D	r	INSERTS N.	SUPPORT PAD	SHIM PIN	LEVER	SCREW
H63T25PWLNL/R08	63	25	100	74	17	-12	32	0.8	WN..0804..	-	-	LV02	VT11
H63T32PWLNL/R08	63	32	120	94	22	-12	40	0.8	WN..0804..	SPWN08	SP02	LV02	VT02
H63T40PWLNL/R08	63	40	140	114	27	-10	50	0.8	WN..0804..	SPWN08	SP02	LV02	VT02

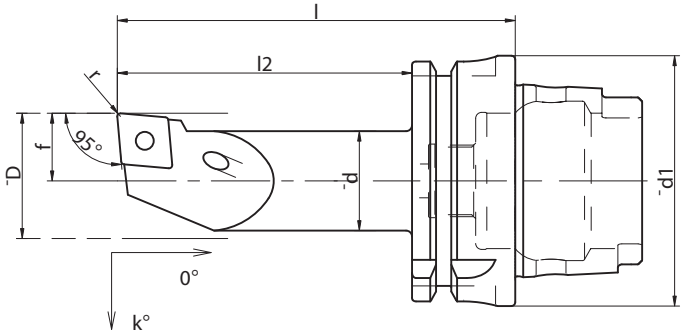
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



SCLC

CODE N.	d1	d	l	l2	f	k°	D	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63T20SCLCL/R09	63	20	85	59	13	-8	25	0.8	CC..09T3..	--	--	TR12
H63T25SCLCL/R12	63	25	100	74	17	-5	32	0.8	CC..1204..	--	--	TR13

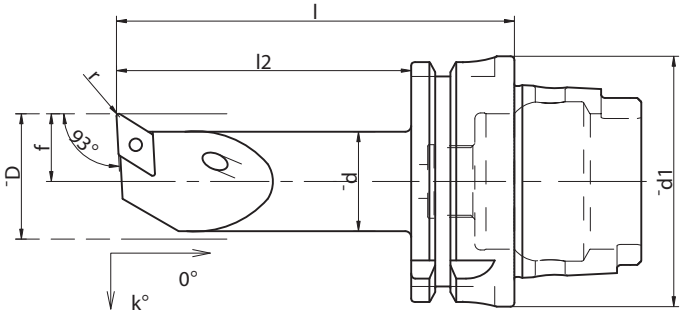
ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



SDUC

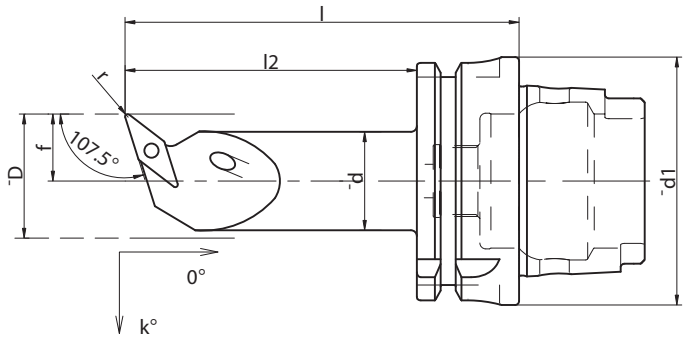
CODE N.	d1	d	l	l2	f	k°	D	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63T20SDUCL/R11	63	20	85	59	13	-8	25	0.8	DC..11T3..	-	-	TR12
H63T25SDUCL/R11	63	25	100	74	17	-5	32	0.8	DC..11T3..	-	-	TR14
H63T32SDUCL/R11	63	32	120	94	22	-5	40	0.8	DC..11T3..	SPDC11	VTA02	TR8

ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)



SVQB

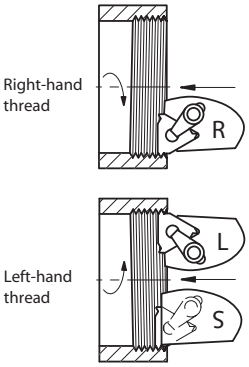
CODE N.	d1	d	l	l2	f	k°	D	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
H63T32SVQBL/R16	63	32	120	94	22	-10	40	0.8	VB..1604..	SPVC16	VTA02	TR8
H63T40SVQBL/R16	63	40	140	114	27	-10	50	0.8	VB..1604..	SPVC16	VTA02	TR8

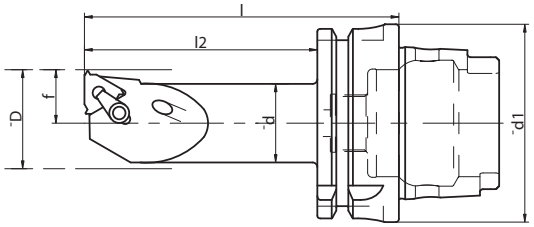


ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

THE

CODE N.	d1	d	l	l2	f	D	INSERTS N.	SUPPORT PAD	SCREW	CLAMP
H63T20THEL16	63	20	85	59	14	25	16IL	SPTF16	VT26	STF13
H63T20THER16	63	20	85	59	14	25	16IR	SPTF16	VT26	STF13



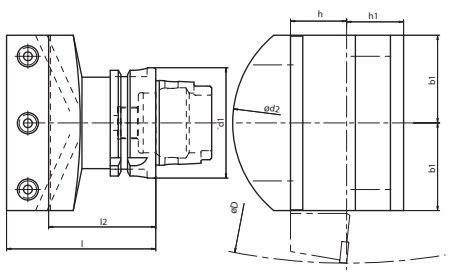


ICTM standard (HSK-T)
ICTM estándar (HSK-T)
ICTM стандарт (HSK-T)
ICTM 标准 (HSK-T)

RADIAL TOOLHOLDER

RADIAL WERKZEUGHALTER PORTAUTENSILE RADIALE
PORTAHERRAMIENTAS RADIAL PORTE-OUTIL RADIAL
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ 径向刀柄

DIN 69893 T



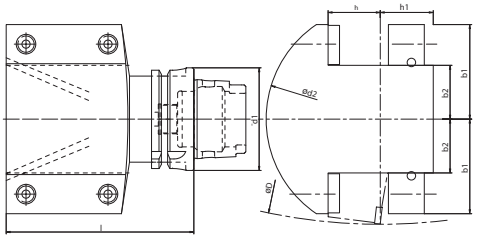
CODE N.	DESCRIPTION	d1	d2	D	b1	h	h1	l	l2
141-11408	H63TRAD32/25	63	130	340	50	32/25	32.5	85	50
141-11609	H100TRAD32/32	100	135	340	52,5	32	32,5	97	65

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTAS AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 T



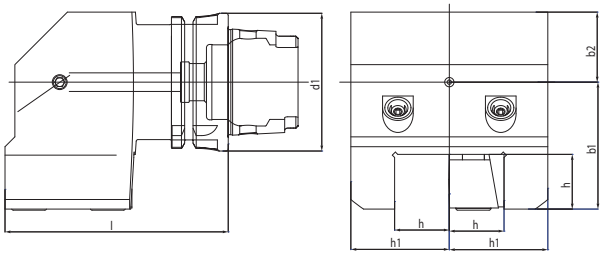
CODE N.	DESCRIPTION	d	d2	D	b1	b2	h	h1	l
142-11405	H63TAX25/32	63	110	305	40	15	32/25	26.5	120
142-11406	H63TAX32/25	63	140	340	58	33	32/25	32.5	120

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTAS AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 T



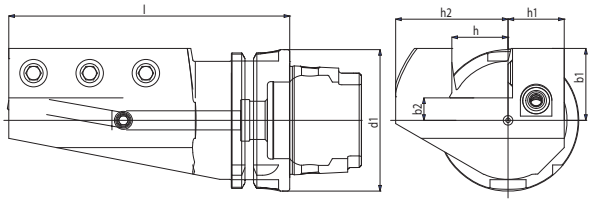
CODE N.	DESCRIPTION	d1	b1	b2	h	h1	l
142-11402	H63TAD25R	63	58	32	25	45	102

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTAS AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 T



CODE N.	DESCRIPTION	d1	b1	b2	h	h1	h2	l
142-21401	H63TA25L	63	32	10	25	25	50	125
142-11403	H63TA25R	63	32	10	25	25	50	125
142-21604	HSK100TSL25X25	100	55	33	25	30	55	160
142-11603	HSK100TSR25X25	100	55	33	25	30	55	160
142-21603	HSK100TSL32X32	100	53	25	32	30	62	189
142-11604	HSK100TSR32X32	100	53	25	32	30	62	189

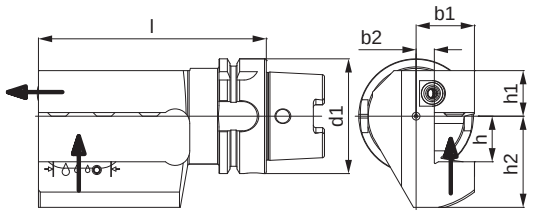
ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTA-PLAQUITAS PARA EXTERIOR PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 - HSK63T

IC

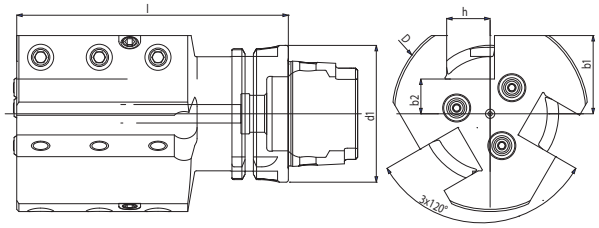


CODE N.	DESCRIPTION	d1	b1	b2	h	h1	h2	l
142-21401-IC	H63TA25L-IC	63	32	10	25	25	50	125
142-11403-IC	H63TA25R-IC	63	32	10	25	25	50	125

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTAS AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 T



CODE N.	DESCRIPTION	d1	D	b1	b2	h	l
142-21402	H63TAT20L	63	90	36	16	20	125
142-11404	H63TAT20R	63	90	36	16	20	125

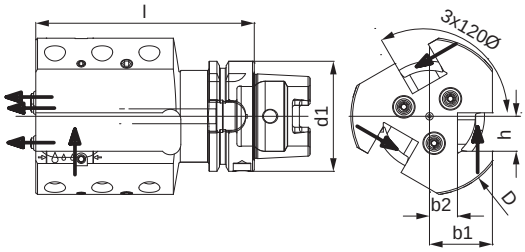
ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER

AXIAL TOOLHOLDER PORTAUTENSILE ASSIALE
BARRAS DE MANDRINAR PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 - HSK63T

IC

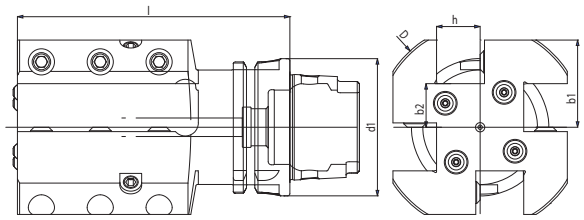


CODE N.	DESCRIPTION	d1	b1	b2	h	D	l
142-21402-IC	H63TAT20L-IC	63	36	16	20	90	125
142-11404-IC	H63TAT20R-IC	63	36	16	20	90	125

AXIAL TOOLHOLDER

AXIAL WERKZEUGHALTER PORTAUTENSILE ASSIALE
PORTAHERRAMIENTAS AXIAL PORTE-OUTIL AXIAL
РЕЗЦЕДЕРЖАТЕЛИ ОСЕВЫЕ 轴向刀柄

DIN 69893 T



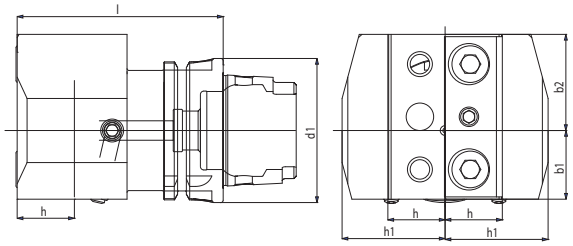
CODE N.	DESCRIPTION	d1	D	b1	b2	h	l
142-21403	H63TAQ20L	63	95	40	20	20	125
142-21404	H63TAQ20R	63	95	40	20	20	125

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

RADIAL TOOLHOLDER

RADIAL WERKZEUGHALTER PORTAUTENSILE RADIALE
PORTAHERRAMIENTAS RADIAL PORTE-OUTIL RADIAL
РЕЗЦЕДЕРЖАТЕЛИ РАДИАЛЬНЫЕ 径向刀柄

DIN 69893 T



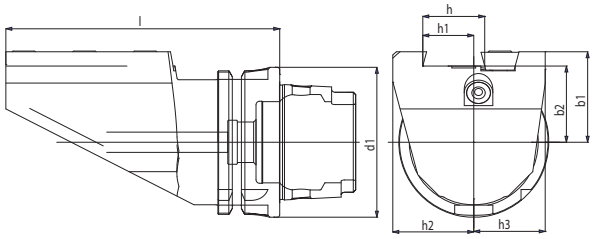
CODE N.	DESCRIPTION	d1	b1	b2	h	h1	l
141-11406	H63TRD25R	63	30	42	25	45	90
141-11602	H100TRD25R	100	20	65	25	57	146

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER FOR CUT OFF TOOLS

AXIAL ABSTECHMEISSELHALTER PORTAUTENSILE ASSIALE PER LAMA DA TAGLIO
IDENTIFICACION DE LOS PORTA-PLAQUITAS PARA EXTERIOR – MANGO HSK PORTE-OUTIL AXIAL DE TRONCONNAGE
ДЕРЖАТЕЛИ ОСЕВЫЕ ДЛЯ ОТРЕЗНЫХ РЕЗЦОВ 用于切断工具的轴向刀柄

DIN 69893 T



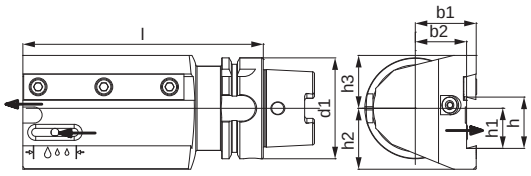
CODE N.	DESCRIPTION	d1	b1	b2	h	h1	h2	h3	l
147-51405	H63TSCA26L	63	38	32	26	21.4	34	30	115
147-51406	H63TSCA26R	63	38	32	26	21.4	34	30	115
147-51407	H63TSCA32L	63	38	32	32	25	38	33	150
147-51408	H63TSCA32R	63	38	32	32	25	38	33	150

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

AXIAL TOOLHOLDER FOR CUT OFF TOOLS

AXIAL ABSTECHMEISSELHALTER PORTAUTENSILE ASSIALE PER LAMA DA TAGLIO
IDENTIFICACION DE LOS PORTA-PLAQUITAS PARA INTERIOR – MANGO HSK PORTE-OUTIL AXIAL DE TRONCONNAGE
ДЕРЖАТЕЛИ ОСЕВЫЕ ДЛЯ ОТРЕЗНЫХ РЕЗЦОВ 用于切断工具的轴向刀柄

DIN 69893 - HSK63T

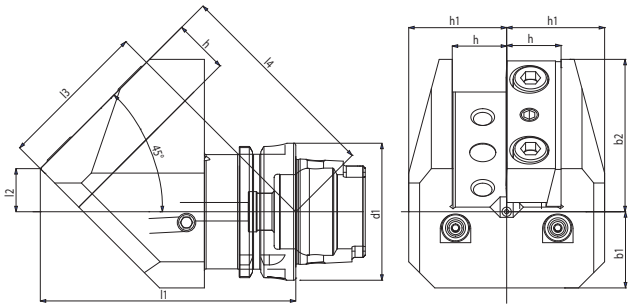


CODE N.	DESCRIPTION	d1	b1	b2	h	h1	h2	h3	l
147-51405-IC	H63TSCA26L-IC	63	38	32	26	21.4	34	30	115
147-51406-IC	H63TSCA26R-IC	63	38	32	26	21.4	34	30	115
147-51407-IC	H63TSCA32L-IC	63	38	32	32	25	38	33	150
147-51408-IC	H63TSCA32R-IC	63	38	32	32	25	38	33	150

45° TOOLHOLDER

45° WERKZEUGHALTER PORTAUTENSILE 45°
PORTAHERRAMIENTAS 45° PORTE-OUTIL 45°
РЕЗЦЕДЕРЖАТЕЛИ 45° 45° 刀柄

DIN 69893 T



IC

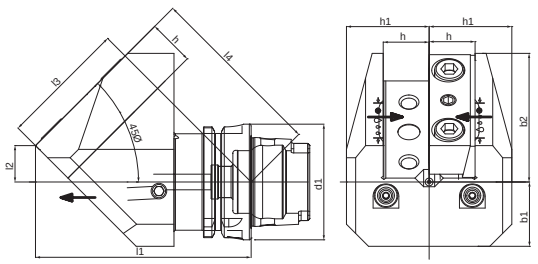
CODE N.	DESCRIPTION	d1	b1	b2	h	h1	l1	l2	l3	l4
141-11405	H63TARD25L	63	35	70	25	45	117.4	19.8	69	97
141-11603	H100TARD25L	100	53	73	25	57	139.5	0	98.6	98.6

45° TOOLHOLDER

45° WERKZEUGHALTER PORTAUTENSILE 45°
PORTAHERRAMIENTAS 45° PORTE-OUTIL 45°
РЕЗЦЕДЕРЖАТЕЛИ 45° 45° 刀柄

DIN 69893 - HSK63T

IC



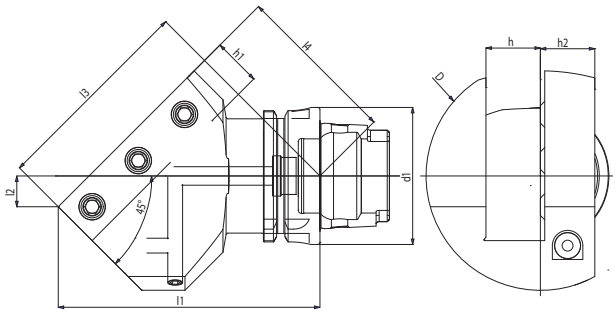
CODE N.	DESCRIPTION	d1	b1	b2	h	h1	l1	l2	l3	l4
141-11405-IC	H63TARD25L-IC	63	35	70	25	45	117.4	19.8	69	97

ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

45° TOOLHOLDER

45° WERKZEUGHALTER PORTAUTENSILE 45°
PORTAHERRAMIENTAS 45° PORTE-OUTIL 45°
РЕЗЦЕДЕРЖАТЕЛИ 45° 45° 刀柄

DIN 69893 T



CODE N.	DESCRIPTION	d1	D	h	h1	h2	l1	l2	l3	l4
141-11407	H63TAR25L	63	105	25	22	25	120	14.1	95	75
141-21401	H63TAR25R	63	105	25	22	25	120	14.1	95	75
141-11601	H100TAR25L	100	115	25	22	28	172.4	24	139	105

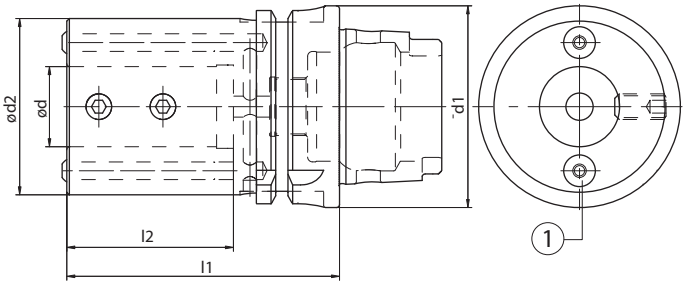
ICTM standard (HSK-T) - ICTM estándar (HSK-T) - ICTM стандарт (HSK-T) - ICTM 标准 (HSK-T)

KINTEK®
COMPONENTI INNOVATIVI TECNOMECCANICI

AXIAL BORING BAR HOLDER

AXIAL BOHRSTANGENHALTER
PORTAHERRAMIENTAS PARA BARRAS, AXIAL
ДЕРЖАТЕЛИ ОСЕВЫЕ ДЛЯ РАСТОЧНЫХ РЕЗЦОВ
PORTAUTENSILE PER BARENI, ASSIALE
PORTE-OUTIL POUR BARRES D'ALESAGE AXIAL
轴向镗杆刀柄

DIN 69893 T



ICTM standard - ICTM estándar
ICTM стандарт - ICTM 标准

With internal and external coolant
Con refrigerante interno ed esterno
Con refrigeración interna y externa
Mit Innen- und Außenkühlung
Avec arrosage interne et externe
С внутренним и внешним подводом СОЖ
带内部及外部冷却剂

CODE N.	DESCRIPTION	d1	d	d2	l1	l2	COOLANT NOOSE
145-21201	H40TAX-E2x08	40	8	32	60	37	PWZ1008D8X06
145-21202	H40TAX-E2x10	40	10	34	60	37	PWZ1008D8X06
145-21203	H40TAX-E2x12	40	12	36	65	40	PWZ1008D8X06
145-21204	H40TAX-E2x16	40	16	40	70	42	PWZ1008D8X06
145-21205	H40TAX-E2x20	40	20	45	70	42	PWZ1008D10X7
145-21402	H63TAX-E2x08	63	8	32	70	40	PWZ1008D10X7
145-21403	H63TAX-E2x10	63	10	38	75	45	PWZ1008D10X7
145-21404	H63TAX-E2x12	63	12	40	75	45	PWZ1008D10x7
145-21406	H63TAX-E2x16	63	16	45	80	50	PWZ1008D10x7
145-21408	H63TAX-E2x20	63	20	50	80	50	PWZ1008D10X7
145-21409	H63TAX-E2x25	63	25	55	85	52	PWZ1008D10X7
145-21410	H63TAX-E2x32	63	32	72	95	58	PWZ1008D10X7
145-21411	H63TAX-E2x40	63	40	80	120	72	PWZ1008D12X8
145-21601	H100TAX-E2x25	100	25	55	85	48	PWZ1008D10X7
145-21602	H100TAX-E2x32	100	32	72	95	58	PWZ1008D12X8
145-21603	H100TAX-E2x40	100	40	80	110	73	PWZ1008D12X8
145-21604	H100TAX-E2x50	100	50	90	120	82	PWZ1008D12X8

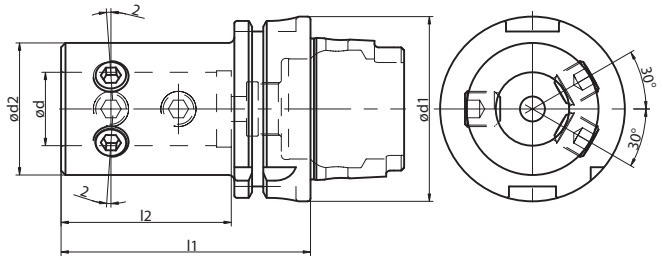
FORM 1 FORM 2
pag. 368

Accessories
Accessori
Zubehör
Accesorios
Accessoires
Принадлежности
零件

AXIAL HOLDER FOR INDEXABLE INSERT DRILLS WITH INTERNAL COOLANT SUPPLY

AXIAL WERKZEUGHALTER FÜR WENDELPLATTENBOHRER MIT INNERER KÜHLMITTELZUFUHR
PORTAHERRAMIENTAS PARA BROCAS PARA PLAQUITAS CON REFRIGERACION INTERNA, AXIAL
ДЕРЖАТЕЛИ ОСЕВЫЕ ДЛЯ СВЕРЛ С СМП С ВНУТРЕННИМ ПОДВОДОМ СОЖ
PORTAUTENSILE PER PUNTE AD INSERTI CON PASSAGGIO REFRIGERANTE INTERNO, ASSIALE
PORTE-OUTIL POUR FORETS A PLAQUETTER AVEC ALIMENTATION INTERNE DU LIQUIDE D'ARROSAGE , AXIAL
用于可转位浅孔钻的轴向刀柄带内部冷却剂

DIN 69893 T



ICTM standard - ICTM estándar
ICTM стандарт - ICTM 标准

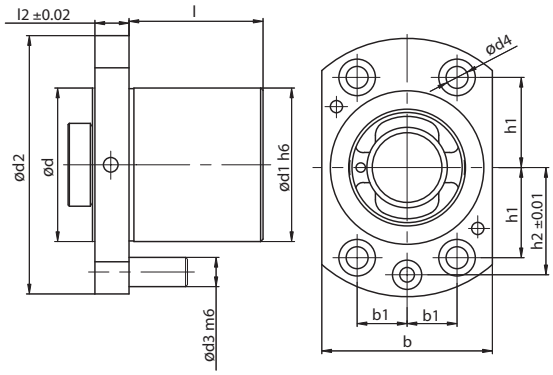
For weldon and whistle notch tools
Per utensili weldon e whistle notch
Para herramientas weldon y whistle-notch
Für werkzeuge mit weldon oder whistle notch schaft
Pour weldon et whistle notch outils
Для инструмента с хвостовиком Weldon и Whistle Notch
用于威尔登及侧固式工具

CODE N.	DESCRIPTION	d1	d	d2	l1	l2
145-11406	H63TAX-E1x16	63	16	36	80	54
145-11408	H63TAX-E1x20	63	20	40	80	54
145-11409	H63TAX-E1x25	63	25	45	85	59
145-11410	H63TAX-E1x32	63	32	52	90	63
145-11411	H63TAX-E1x40	63	40	65	105	73

ADAPTER WITH HSK ATTACHMENT

EINSÄTZE MIT HSK KUPPLUNG BUSSOLA CON ATTACCO HSK
CASQUILLO CON MANGO HSK ADAPTEUR AVEC ATTAQUE HSK
ПЕРЕХОДНИКИ С КРЕПЛЕНИЕМ HSK 带 HSK 附件的适配器

DIN 69893 A+C



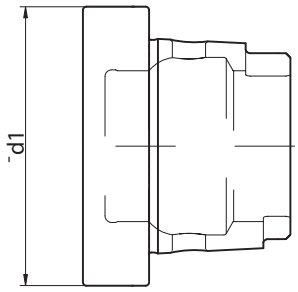
ICTM standard - ICTM estándar
ICTM стандарт - ICTM 标准

CODE N.	D	D1	d2	d3	d4	l	l2	b	b1	h1	h2
H63TBSL	63	63	106	12	9	55	15	70	20.5	37	44

BLANKING PLUG

VERSCHLUSSDECKEL TAPPO DI PROTEZIONE
TAPON DE PROTECCION BOUCHON DE PROTECTION
ЗАГЛУШКИ 切断栓

DIN 69893 A+C

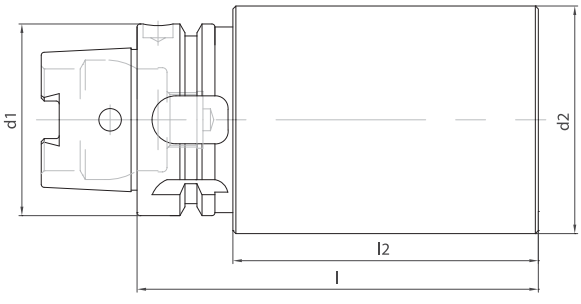


CODE N.	d1
H32ATP	32
H40ATP	40
H50ATP	50
H63ATP	63
H100ATP	100

BLANK TOOLHOLDER FOR SPECIAL TOOLS

ROHLINGE FÜR SONDERWERKZEUGE SEMILAVORATI PER UTENSILI SPECIALI
SEMIACABADOS PARA HERRAMIENTAS ESPECIALES EBAUCHES POUR PORTE-OUTILS SPECIAUX
ЗАГОТОВКИ ДЛЯ СПЕЦИАЛЬНЫХ РЕЗЦЕДЕРЖАТЕЛЕЙ 用于专用工具的切断刀柄

DIN 69893 T



ICTM standard - ICTM estándar
ICTM стандарт - ICTM 标准

CODE N.	d1	d2	l	l2
H63T080190SML	63	80	190	158
H63T130095SML	63	130	95	63

KINTEK®

RAIMAX BORING HEAD

TESTINE RAIMAX

www.kintek.it

RAIMAX BORING HEAD

TESTINE RAIMAX

RAIMAX AUSDREHKOPF

CABEZALES DE MANDRINAR Y PARA ESCARIADO RAIMAX

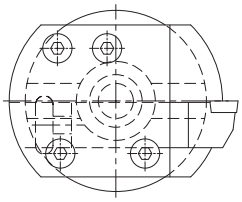
RAIMAX TÊTE

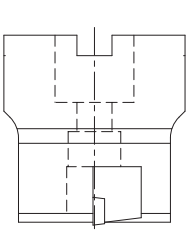
РАСТОЧНЫЕ ГОЛОВКИ РЕГУЛИРУЕМЫЕ RAIMAX

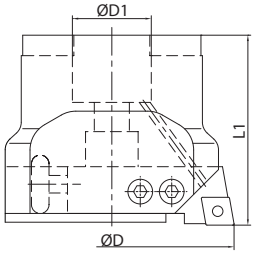
RAIMAX 镗头

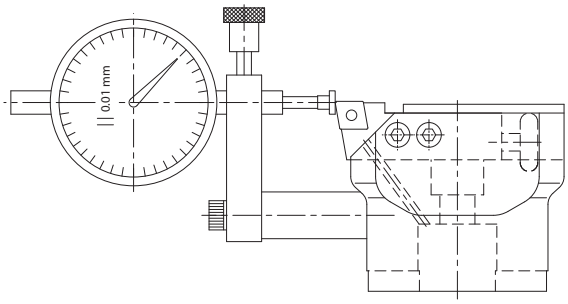
ADJUSTABLE BORING HEAD

EINSTELLBARER AUSDREHKOPF | TESTINA REGOLABILE PER ALESATURA
CABEZAL AJUSTABLE DE MANDRINAR | TÊTE À ALÉSER RÉGLABLE
РАСТОЧНЫЕ ГОЛОВКИ РЕГУЛИРУЕМЫЕ | 可调镗头

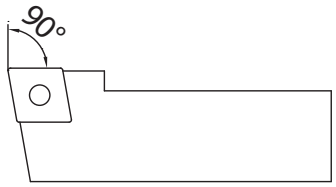






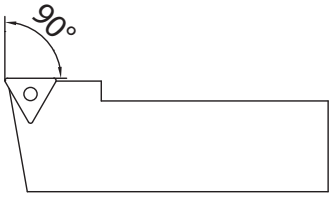


CODE N.	d	d1	l1	EINBAUHALTER - CARTRIDGES - CARTOUCHES - CARTUCCE		
RAIMAX 30	Ø28-40	16	45	K-SCGCL 08-06	K-STGPL 08-09	-
RAIMAX 40	Ø39-55	16	50	K-SCGCL 10-06	K-STGPL 10-09	-
RAIMAX 50	Ø49-75	22	56	K-SCGCL 12-09	K-STGPL 12-11	K-SSXCL 12-09
RAIMAX 75	Ø74-115	27	65	K-SCGCL 16-09	K-STGPL 16-11	K-SSXCL 16-09
RAIMAX 100	Ø98-160	40	67	K-SCGCL 20-09	K-STGPL 20-11	K-SSXCL 20-09
RAIMAX 150	Ø148-250	40	67	K-SCGCL 20L-09	K-STGPL 20L-11	K-SSXCL 20L-09

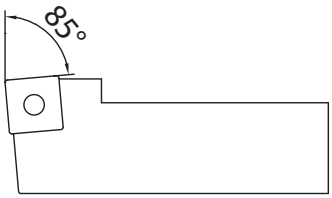


CODE N.	INSERTS N.	SCREW	WRENCH
K-SCGCL 08-06	CCMT 0602	KV28	Torx 7
K-SCGCL 10-06	CCMT 0602	KV28	Torx 7
K-SCGCL 12-09	CCMT 09T3	KV4c	Torx 15
K-SCGCL 16-09	CCMT 09T3	KV4c	Torx 15
K-SCGCL 20-09	CCMT 09T3	KV4c	Torx 15
K-SCGCL 20L-09	CCMT 09T3	KV4c	Torx 15

CARTRIDGES
EINBAUHALTER CARTUCCE
CARTUCHOS CARTOUCHES
КАРТРИДЖИ 刀头

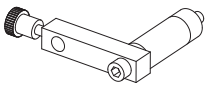
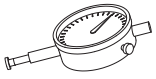


CODE N.	INSERTS N.	SCREW	WRENCH
K-STGPL 08-09	TPGX 0902	KV28	Torx 7
K-STGPL 10-09	TPGX 0902	KV28	Torx 7
K-STGPL 12-11	TPGX 1103	KV10	Torx 9
K-STGPL 16-11	TPGX 1103	KV10	Torx 9
K-STGPL 20-11	TPGX 1103	KV10	Torx 9
K-STGPL 20L-11	TPGX 1103	KV10	Torx 9



CODE N.	INSERTS N.	SCREW	WRENCH
K-SSXCL 12-09	SCMT 09T3	KV4c	Torx 15
K-SSXCL 16-09	SCMT 09T3	KV4c	Torx 15
K-SSXCL 20-09	SCMT 09T3	KV4c	Torx 15
K-SSXCL 20L-09	SCMT 09T3	KV4c	Torx 15

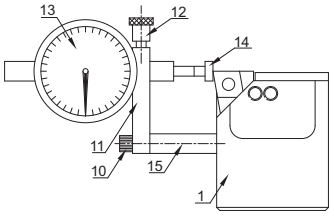
CODE N.	SCREW	COVER	SCREW FOR COVER	SCREW	SCREW
RAIMAX 30	KSR M8 R/L	KCC30	2 x KVCC30	KVR30	2 x KGG30
RAIMAX 40	KSR M8x20	KCC40	3 x KVCC40	KVR40	2 x KGG40
RAIMAX 50	KSR M10x20	KCC50	3 x KVCC50	KVR50	2 x KGG50
RAIMAX 75	KSR M12x25	KCC75	4 x KVCC75	KVR75	2 x KGG75
RAIMAX 100	KSR M20X	KCC100	4 x KVCC100	KVR100	2 x KGG100
RAIMAX 150	KSR M20X	KCC150	4 x KVCC150	KVR150	2 x KGG150

CODE N.
 
MISURAIMAX 30-40 + Dial indicator 1/100 0-5 mm
MISURAIMAX 30-40 + Dial indicator 1/100 0-5 mm
MISURAIMAX 50 + Dial indicator 1/100 0-10 mm
MISURAIMAX 75 + Dial indicator 1/100 0-10 mm
MISURAIMAX 100 + Dial indicator 1/100 0-10 mm
MISURAIMAX 150 + Dial indicator 1/100 0-10 mm

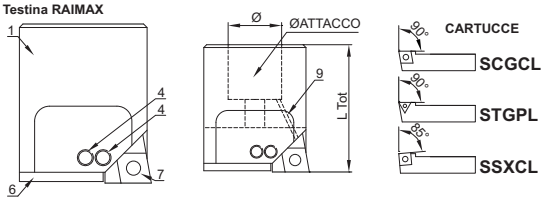
RAIMAX® TESTINA REGOLABILE PER ALESATURA Ø28-250

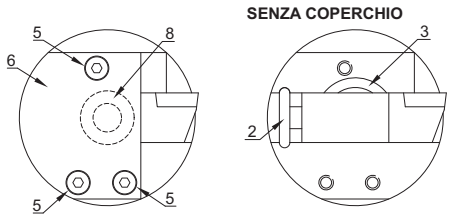
MISURAIMAX® DISPOSITIVO MISURATORE

Montabili sui mandrini porta-frese comunemente reperibili in commercio



1_ Corpo bareno RAIMAX
2_ Vite di regolazione cartuccia
3_ Vite di bloccaggio cono
4_ Grano di bloccaggio cartuccia
5_ Viti di bloccaggio coperchio
6_ Coperchio
7_ CARTUCCIA
8_ Molla a tazza
9_ Foro di lubrificazione
10_ Vite di bloccaggio MISURAIMAX
11_ Braccetto
12_ Vite di bloccaggio Comparatore
13_ COMPARATORE
14_ Puntalino piatto per Comparatore
15_ Cilindro forato





RAIMAX® Adjustable boring head

RAIMAX adjustable head allows boring operations. Boring Heads supplied with coolant hole. The adjustment of cutting diameter of the tools is obtained rotating a screw. In this way an insert-cartridge positioned in the U-slot of the tool will slide at radial direction of the head. This kind of boring head can be fixed on common face mill holders. For the centesimal adjustment of cutting diameter you can use the MISURAIMAX device, composed of a holding bar, a drilled cylinder and a centesimal/thousandth dial gauge.

RAIMAX INSTRUCTIONS:

1. Unscrew the three screws (5) and remove the cover (6)
2. Loosen the two screws (4)
3. Remove the cartridge (7) from the slot
4. Fix the head on the holder and clamp it with the screw (3)
5. Put again the cartridge (7) in the slot.
6. Tighten the screws (5) to assembly the cover
7. Adjust the measure of cutting diameter rotating the screw.
   This will cause the shifting of the cartridge.
8. Tighten the two screws (4)
9. RAIMAX boring head is ready to be used

MISURAIMAX® Measurement device

MISURAIMAX INSTRUCTIONS:

1. Check the two locking screws of the cartridge (4). These must be tightened.
2. Fix MISURAIMAX without dial gauge up to the head and tighten the screw (10).
3. Insert the dial gauge in the holding bar, push it up to the head till the contact point will touch the edge of insert of cartridge.
   Then tighten carefully the locking screw of the dial gauge (12).
4. Zerofill the dial gauge
5. Loosen the two locking screws of the gauge (4)
6. Modify the boring diameter of the head rotating the adjustment screws (2).
   Check also the centesimal variation on the gauge display.
7. After getting the measure, tighten the screws (4)
8. Remove MISUIRAMAX loosening the screws (10)
9. RAIMAX is now ready to be used

RAIMAX® Testina regolabile per alesatura

La testina regolabile RAIMAX permette l'esecuzione di lavorazioni di barenatura e alesatura. Tutte le testine hanno il foro di lubrificazione. La regolazione del diametro di taglio dell'utensile e' ottenuta tramite la rotazione di una vite. Quest'ultima fa scorrere,radialmente all'asse di rotazione della testina,una cartuccia ad inserti posizionata all'interno di una scanalatura a forma U ricavata nel corpo dell'utensile in commercio. Per la regolazione centesimale del diametro di taglio si utilizza il dispositivo MISURAIMAX composto da un braccetto, un cilindretto forato ed un comparatore centesimale o millesimale.

ISTRUZIONI D'USO PER IL RAIMAX:

1 Svitare le tre viti (5) e togliere il coperchio (6)
2 Allentare le due viti (4)
3 Estrarre la cartuccia (7) dal suo alloggiamento
3 Montare la testina sul mandrino e bloccarla tramite la vite (3)
5 Ricollocare la cartuccia (7) nel suo alloggiamento
6 Rimontare il coperchio riavvitando le tre viti (5)
7 Regolare la misura del diametro di taglio facendo ruotare la vite (2) la quale permette lo spostamento della cartuccia (7)
8 Riavvitare le due viti (4)
9 La testina RAIMAX e' pronta per essere utilizzata

MISURAIMAX® Dispositivo misuratore

ISTRUZIONI D'USO PER IL MISURAIMAX:

1 Assicurarsi che le due viti di bloccaggio della cartuccia (4) siano serrate
2 Montare il MISURAIMAX senza comparatore al corpo della testina avvitando la vite (10)
3 Introdurre il comparatore all'interno del foro del braccetto (11), avvicinarlo alla testina fino a far toccare il puntalino (14) sullo spigolo dell'inserto della cartuccia e serrare in maniera non eccessiva la vite di bloccaggio del comparatore (12)
4 Azzerare il comparatore
5 Allentare le due viti di bloccaggio della cartuccia (4)
6 Modificare il diametro di alesatura della testina facendo ruotare la vite di regolazione (2) e leggendo la variazione centesimale sul quadrante del comparatore
7 Ottenuta la misura desiderata bloccare le viti (4)
8 Smontare il MISURAIMAX svitando la vite (10)
9 La testina RAIMAX e' pronta per essere utilizzata

RAIMAX® Einstellbarer Ausdrehkopf

Der einstellbare RAIMAX Ausdrehkopf ermöglicht Bohr- und Ausdrehbearbeitungen. Alle Ausdrehköpfe mit Kühlkanal. Mit Drehung einer Schraube erfolgt die Einstellung vom Schneiddurchmesser des Werkzeuges. Die Schraube verursacht die Gleitung vom Wendeplattenhalter in der U-Nut des Kopfes. Die RAIMAX Ausdrehköpfe werden auf gewöhnlichen Aufnahmedorne eingespannt. Zur zentesimalen Verstellung vom Schneiddurchmesser wird das MISURAIMAX Gerät verwendet. MISURAIMAX besteht aus einem Einspannhalter, einem gebohrten Zylinder und einer Messuhr mit 1/100- und 1/1000 Ablesung.

RAIMAX GEBRAUCHSANWEISUNGEN:

1. Abschrauben Sie die drei Schrauben (5) und entnehmen Sie den Deckel
2. Lockern Sie die zwei Schrauben (4)
3. Ziehen Sie die Kassette (7) von dem Sitz heraus.
4. Stellen Sie den Kopf auf die Aufnahme und klemmen Sie die Spannschraube (3)
5. Stellen Sie die Kassette (7) wieder in die Nut.
6. Montieren Sie wieder den Deckel und stellen Sie die drei Schrauben fest (5)
7. Zur Einstellung vom Schneiddurchmesser drehen Sie die Einstellungsschraube (2).
   Die Kassette bewegt sich.
8. Schrauben Sie die zwei Schrauben (4)
9. RAIMAX Ausdrehkopf ist zur Verwendung bereit

MISURAIMAX® Messuhr

MISURAIMAX GEBRAUCHSANWEISUNGEN:

1. Prüfen Sie, dass die zwei Schrauben der Kassette gespannt sind.
2. Montieren Sie MISURAIMAX, ohne Messuhr, auf dem Grundkorp der Kassette.
   Schrauben Sie die Schraube (10)
3. Stellen Sie die Messuhr in die Bohrung des Einspannhalters (11).
   Nähern Sie an den Kopf, damit die Tastspitze (14) die Plattenkanten der Kassette berührt.
   Spannen Sie die Klemmschraube der Messuhr.
4. Stellen Sie die Messuhr auf Null.
5. Lockern Sie die Spannschraube der Kassette (4)
6. Zur Änderung vom Ausdrehdurchmesser drehen Sie die Einstellungsschraube (2) und lesen Sie den zentesimalen Wechsel auf dem Display.
7. Spannen Sie die Schrauben (4)
8. Zur Demontage von MISURAIMAX schrauben Sie die Klemmschraube ab (10)
9. RAIMAX ist zur Verwendung bereit.

RAIMAX® Cabezal ajustable de mandrinar

MISURAIMAX® Dispositivo medidor

El cabezal ajustable RAIMAX permite la ejecución de mecanizado de mandrinar y de escariado. Todos los cabezales tienen el agujero de refrigeración. Le regulación del diámetro de corte de la herramienta se obtiene a través de la rotación de un tornillo. Esa desliza, radialmente al eje de rotación del cabezal, un cartucho para plaquitas colocado dentro de una ranura a forma de U, obtenida en el cuerpo de la herramienta. Para la regulación centesimal del diámetro de corte se utiliza el dispositivo MISURAIMAX compuesto por un soporte, un cilindro perforado y un comparador 1/100 o 1/1000.

MANUAL DE INSTRUCCIONES PARA EL RAIMAX

1 Quitar los tres tornillos (5) y quitar el tapón (6)
2 Aflojar los dos tornillos (4)
3 Quitar el cartucho (7) desde su alojamiento
4 Montar el cabezal sobre cono y bloquearlo a través del tornillo (3)
5 Recolocar el cartucho (7) en su alojamiento
6 Remontar el tapón enroscando los tres tornillos (5)
7 Regular la medida del diámetro de corte haciendo girar el tornillo (2), que permite el desplazamiento del cartucho (7)
8 Enroscar los dos tornillos (4)
9 El cabezal RAIMAX está listo para ser utilizado

MANUAL DE INSTRUCCIONES PARA EL MISURAIRAIMAX

1. Asegurarse de que los dos tornillos de fijación del cartucho están cerrados
2. Montar el MISURAIMAX sin comparador al cuerpo del cabezal atornillando el tornillo (10)
3. Introducir el comparador dentro del agujero del soporte (11), acercarlo al cabezal hasta que se toque el manguito (14) en la arista de la plaquita del cartucho y cerrar sin demasiada fuerza el tornillo de fijación del comparador (12)
4. Poner a cero el comparador
5. Aflojar los dos tornillos de fijación del cartucho (4)
6. Modificar el diámetro de mandrinar del cabezal haciendo girar el tornillo de regulación (2) y leyendo la variación centesimal en el cuadrante del comparador
7. Una vez obtenida la medida deseada, bloquear los tornillos (4)
8. Desmontar el MISURAIMAX aflojando el tornillo (10)
9. El cabezal RAIMAX está listo para ser utilizado

RAIMAX® Tête à aléser réglable

MISURAIMAX® Comparateur

La Tète à aléser RAIMAX permet des exécutions d'alésage et perçage. Les têtes ont le trou d'arrosage. Le diamètre de coupe de l'outil est réglé par la rotation d'une vis. Cette rotation cause le glissement d'une porte-plaquettes situé dans une U-rainure obtenue dans le corps de l'outil. L'attachement de la tête permet le montage sur des communes mandrins porte-fraises. Pour obtenir la régulation centésimale du diamètre de coupe on utilise le dispositif MISUIRAMAX, composé d'un support, un cylindre percé et un comparateur 1/100 – 1/1000.

MODE D'EMPLOI DE RAIMAX:

1. Dévisser les trois vis (5) et enlever le couvercle.
2. Desserrer les deux vis (4)
3. Extraire le porte-plaquette (7) de son emplacement.
4. Monter la tête sur le mandrin et fixer avec la vis (3)
5. Poser le porte-plaquette (7) dans l'emplacement.
6. Monter le couvercle et visser le trois vis (5)
7. Régler la dimension du diamètre de coupe et tourner la vis (2). Le porte-plaquettes (7) va glisser.
8. Serrer les deux vis (4)
9. La tête RAIMAX est prête pour être utilisée.

MODE D'EMPLOI DE MISURAIMAX:

1. Les vis de serrage du porte-plaquettes (4) doivent être bien fermées.
2. Monter le MISURAIMAX sans comparateur sur le corps de la tête et visser la vis (10)
3. Introduire le comparateur dans le trou du support (11) et le rapprocher à la tête d'alésage. La touche (14) doit toucher le coin de la plaquette. Fermer doucement la vis de serrage du comparateur (12).
4. Mettre le comparateur à zéro.
5. Dévisser les deux vis de serrage du porte-plaquettes (4)
6. Pour modifier le diamètre d'alésage de la tête il faut tourner la vis de réglage (2) et contrôler la variation centésimale sur le cadran du comparateur.
7. Quand on a obtenu la dimension désirée, fermer les vis (4)
8. Desserrer les vis pour démonter MISURAIMAX (10)
9. RAIMAX est prête pour être utilisée

РАСТОЧНЫЕ РЕГУЛИРУЕМЫЕ ГОЛОВКИ RAIMAX®

ПРИСПОСОБЛЕНИЕ ДЛЯ НАСТРОЙКИ MISURAIMAX®

Головки RAIMAX предназначены для расточных операций. В корпусе головки находятся отверстия для подвода СОЖ. Настройка диаметра инструмента осуществляется путем вращения установочного винта. Таким образом, картридж с режущей пластиной перемещается в U-образном пазу корпуса головки в радиальном направлении. Расточные головки устанавливаются на оправки для насадных фрез. Если вам необходима точность диаметра головки до сотых, предлагаем вам использовать приспособление для настройки MISURAIMAX, состоящее из кронштейна, цилиндра с отверстием и индикатора с ценой деления 0,01 мм/0,001 мм.

ИНСТРУКЦИЯ К ГОЛОВКЕ RAIMAX

1 Открутите три винта (5) и снимите крышку (6)
2 Ослабьте два винта (4)
3 Выньте картридж (7) из паза
4 Установите головку на оправку и закрепите винтом (3)
5 Закрепите картридж (7) в пазу
6 Закрутите винты (5), чтобы закрепить крышку
7 Вращение установочного винта приведет к движению картриджа. Произведите настройку диаметра инструмента.
8 Затяните два винта (4)
9 Головка RAIMAX готова к применению

ИНСТРУКЦИЯ К ПРИСПОСОБЛЕНИЮ MISURAIMAX

1 Убедитесь, что оба стопорных винта картриджа (4) затянуты.
2 Установите MISURAIMAX без индикатора на расточную головку и закрутите винт (10).
3 Закрепите индикатор в кронштейн, прижимайте его к инструменту до тех пор, пока ножка индикатора не упрется в режущую кромку пластины.
4 Обнулите индикатор
5 Ослабьте два стопорных винта (4) картриджа
6 Настройте диаметр головки, поворачивая установочный винт (2). Проверьте также шкалу сотых на циферблате индикатора.
7 После получения необходимого размера, затяните винты (4)
8 Отсоедините MISURAIMAX, ослабив винт (10)

RAIMAX® 可调镗头

MISURAIMAX®

RAIMAX 可调镗头允许钻孔操作，镗头配有冷却孔。工具切削直径由旋转螺钉来调整。这种方式下，工具U型槽的内置刀头就会向镗头径向方向滑动。这种镗头可以固定在普通端面铣刀柄上。可以使用MISURAIMAX 装置来进行切削直径的细微调整，这种装置由一个夹持杆，一个钻孔的圆柱体和一个百分表或者千分表组成。

RAIMAX 用法说明

1. 拧开三处螺丝 (5)，取下盖子 (6)。
2. 松开两处螺丝(4)
3. 从槽内取出刀头 (7)
4. 固定在刀柄上，用螺丝(3)拧紧
5. 再把刀头(7)放在槽内
6. 拧紧螺丝(5)，合上盖子
7. 调整切削直径并旋转螺丝。这会使得刀头移位。
8. 拧紧两处螺丝(4)
9. RAIMAX 镗头可以开始使用了。

MISURAIMAX 使用说明

1. 检查刀头(4)两处的紧固螺丝。确保它们已经拧紧。
2. 固定MISURAIMAX，使百分表不能碰到镗头，并拧紧螺丝(10)。
3. 在刀杆处放入百分表，推向刀头直至百分表测头刚好碰到刀头上刀片的边缘。
4. 百分表归零
5. 松开百分表的两个紧固螺丝(4)
6. 修改镗头直径，旋转可调螺丝(2) 同时检查百分表显示的读数变化
7. 得到测量值之后，拧紧螺丝(4)
8. 松开螺丝(10)，移开MISRUIRAMAX
9. RAIMAX现在可以开始使用了

KINTEK®

TURNING TOOLS - PORTAINSERTI

www.kintek.it

TURNING TOOLS

PORTAINSERTI

KLEMMHALTER/BOHRSTANGEN

PORTA-PLAQUITAS

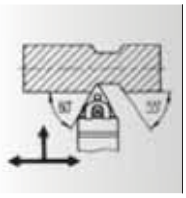
PORTE-PLAQUETTES

ТОКАРНЫЙ ИНСТРУМЕНТ

车刀

ESTERNAL (O.D.) TURNING TOOLS

KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG PORTA INSERTI PER ESTERNI
PORTA-PLAQUITAS PARA EXTERIOR PORTA-PLAQUETTES EXTERIEURES
ДЕРЖАВКИ ДЛЯ ВНЕШНЕГО ТОЧЕНИЯ 外部车刀



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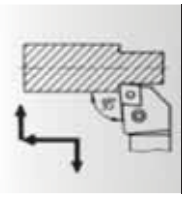

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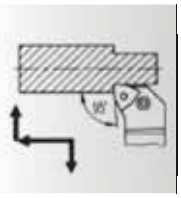

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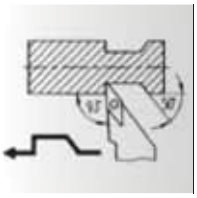

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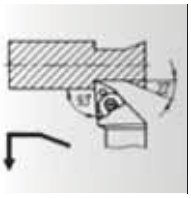

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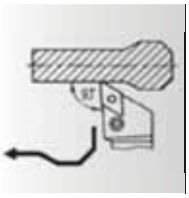

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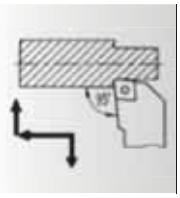

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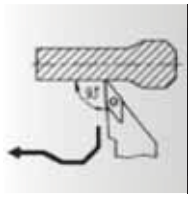

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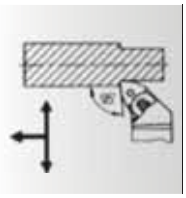
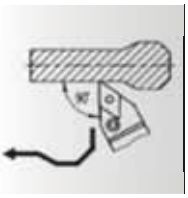
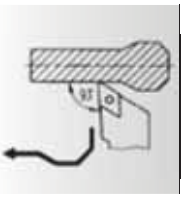


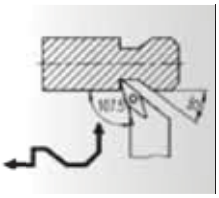
MWLN
Pag. 652



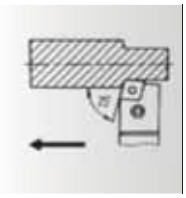
PDNN
Pag. 654



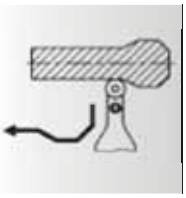
SDJC
Pag. 656



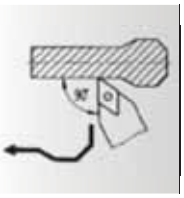
SVHB
Pag. 657



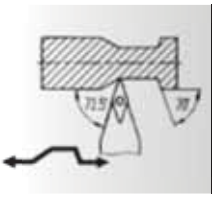
PCBN
Pag. 653



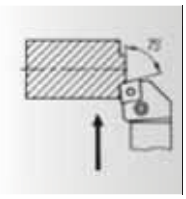
PRDC
Pag. 654



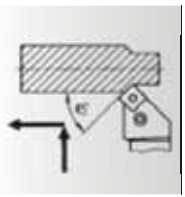
SDNC
Pag. 656



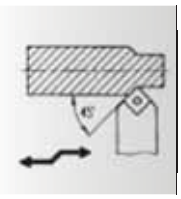
SVVB
Pag. 658



PCKN
Pag. 653



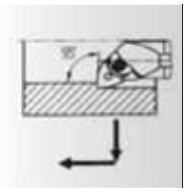
PSSN
Pag. 655



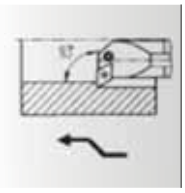
SSDC
Pag. 656

INTERNAL (I.D.) BORING BARS

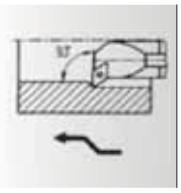
BOHRSTANG FÜR INNENBEARBEITUNG BARENI PER INTERNI
BARRAS DE MANDRINAR BARRES D'ALESAGE
РАСТОЧНЫЕ ДЕРЖАВКИ 内部镗头



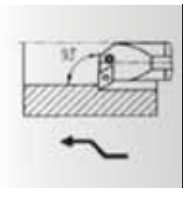
MWLN
Pag. 660



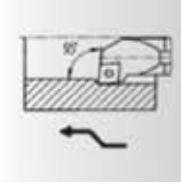
PDUN
Pag. 660



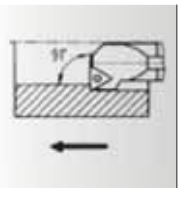
SDUC
Pag. 661



PCLN
Pag. 660

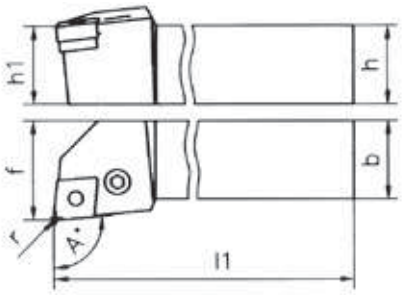


SCLC
Pag. 661

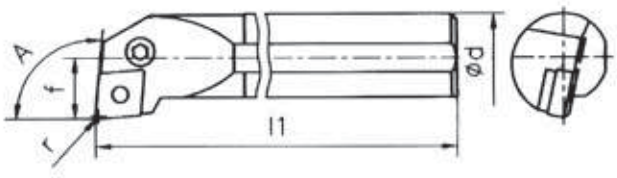


STFC
Pag. 661

ISO5610 - External turning tools
ISO5610 - Per esterni
ISO5610 – Para exterior



ISO5610 - Aussenbearbeitung
ISO5609 - Internal turning tools
ISO5609 - Per interni
ISO5609 – Para interior
ISO5609 - Innenbearbeitung



KINTEK TURNING TOOLS — TECHNICAL DATAS

TOLERANCE
h: h13
b: h13
d: g7
f: +0/+0,5 (External)
f: -0/-0,25 (Internal)
l1: k16
h1: js13

1 Turning tools for external and internal machining are produced of hardened steel with an hardness of 43 HRC.
2 The head of HM-Boring bars is made of hardened steel.
3 The face of turning tools for external is ground.

INSCRIBED CIRCLE OF THE INSERT	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Radius r	0,4		0,8		1,2		2,4

UTENSILI DI TORNITURA KINTEK — DATI TECNICI

TOLLERANZE
h: h13
b: h13
d: g7
f: +0/+0,5 (per esterni)
f: -0/-0,25 (per interni)
l1: k16
h1: js13

1 Il materiale degli utensili per interni ed esterni è: acciaio bonificato, durezza 43 HRC.
2 La testa degli utensili in metallo duro è in acciaio bonificato.
3 Il piano di appoggio degli utensili per esterni è rettificato.

CERCHIO INSCRITTO DELL'INSERTO	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Raggio r	0,4		0,8		1,2		2,4

KINTEK DREHWERKZEUGE — TECHNISCHE DATEN

TOLERANZEN
h: h13
b: h13
d: g7
f: +0/+0,5 (Aussenbearbeitung)
f: -0/-0,25 (Innenbearbeitung)
l1: k16
h1: js13

1 Die Klemmhalter und Bohrstangen werden aus Vergütungsstahl hergestellt, Harte 43 HRC.
2 Der Kopf der HM-Bohrstangen wird auch aus Vergütungsstahl produziert.
3 Die Auflagefläche aller Drehwerkzeuge ist geschliffen

INNENKREIS DER WSPLATTE	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Radius r	0,4		0,8		1,2		2,4

HERRAMIENTAS DE TORNEADO KINTEK — CARACTERISTICAS TECNICAS

TOLERANCIAS
h: h13
b: h13
d: g7
f: +0/+0,5 (para exterior)
f: -0/-0,25 (para interior)
l1: k16
h1: js13

1 Las herramientas de torneado para mecanizado interior y exterior se producen en acero templado, con dureza 43 HRC.
2 La cabeza de las herramientas de metal duro está fabricada en acero templado.
3 El soporte de apoyo de las herramientas para exterior está rectificado

CIRCULO INSCRITO DE LA HERRAMIENTA	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Radio r	0,4		0,8		1,2		2,4

ISO5610 - A usage externe

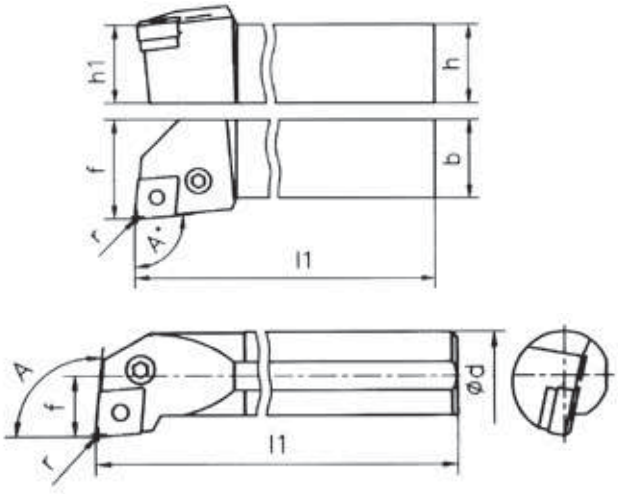
ISO5610 - Стандарт изготовления наружных державок

ISO5610外部车刀

ISO5609 - A usage interieur

ISO5609 - Стандарт изготовления расточных державок

ISO5609内部车刀



PORTE OUTILS DE TOURNAGE KINTEK — DONNEES TECHNÌQUES

TOLERANCE
h: h13
b: h13
d: g7
f: +0/+0,5 (à usage externe)
f: -0/-0,25 (à usage interieur)
l1: k16
h1: js13

1 Le matériel utilisé pour les outils à usage externe et à usage interieur est: acier bonifié, dureté 43 HRC.
2 La tête des outils en carbure est fait en acier bonifié.
3 La partie plate des porte outils de tournage à usage externe est rectifié.

CERCLE INSCRIT DE LA PLAQUETTE	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Rayon r	0,4		0,8		1,2		2,4

ТОКАРНЫЕ ДЕРЖАВКИ KINTEK — ТЕХНИЧЕСКИЕ ДАННЫЕ

ТОЧНОСТЬ
h: h13
b: h13
d: g7
f: +0/+0,5 (для наружных державок)
f: -0/-0,25 (для расточных державок)
l1: k16
h1: js13

1 Материал токарных державок для внешней и внутренней обработки – улучшенная сталь, твердость 43HRC.
2 Головки державок с твердосплавным хвостовиком сделаны также из улучшенной стали.
3 Торцы державок шлифованы.

ДИАМЕТР ВПИСАННОЙ ОКРУЖНОСТИ ПЛАСТИНЫ	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Радиус r	0,4		0,8		1,2		2,4

KINTEK车刀 — 技术参数

公差
h: h13
b: h13
d: g7
f: +0/+0,5 (External)
f: -0/-0,25 (Internal)
l1: k16
h1: js13

1 车刀内部和外部均由硬度为43HRC的硬化刚加工制成。
2 HM镗头柄头部由硬化钢构成
3 车刀端面外部打磨

INSCRIBED CIRCLE OF THE INSERT	6,35	7,94	9,525	12,7	15,875	19,05	25,4
Radius r	0,4		0,8		1,2		2,4

IDENTIFICATION OF THE EXTERNAL (O.D.) TURNING TOOLS

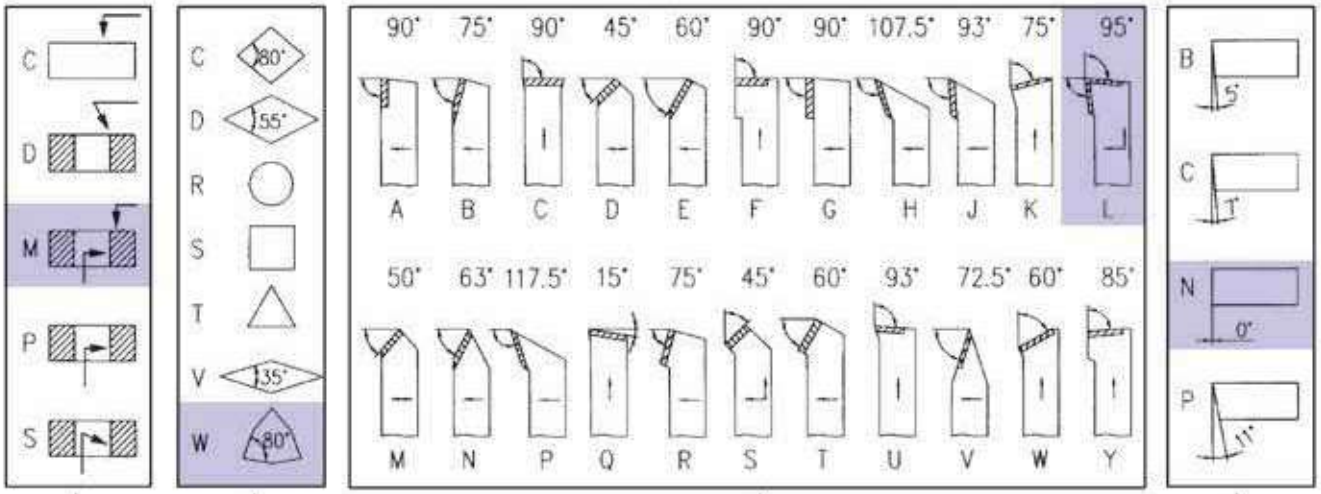
BEZEICHNUNG VON KLEMMHALTERN FÜR DIE AUSSENBEARBEITUNG
IDENTIFICACION DE LOS PORTA-PLAQUITAS PARA EXTERIOR
ДЕРЖАВКИ ДЛЯ ВНЕШНЕГО ТОЧЕНИЯ
IDENTIFICAZIONE DEI PORTA INSERTI PER ESTERNI
DESIGNATION DES PORTE-PLAQUETTES EXTERIEURES
外部车刀 (O.D.) 识别

① M
Spannsystem
Clamping system
Système de serrage
Sistema di bloccaggio
Sistema de fijación
夹紧系统

② W
Plattenform
Insert Shape
Forme des plaquettes
Forma degli inserti
Forma de la plaquita
插件形状

③ L
Austellwinkel
Shape of turning tools
Forme des porte-plaquettes
Forma dei portainserti
Forma de los porta-plaquitas
车刀的形状

④ N
Freiwinkel
Clearance angle
Angle de dépouil
Angolo di spoglio
Angulo de incidencia
间隙角度



M	W	L	N	R	25	25	M	08
①	②	③	④	⑤	⑥	⑦	⑧	⑨

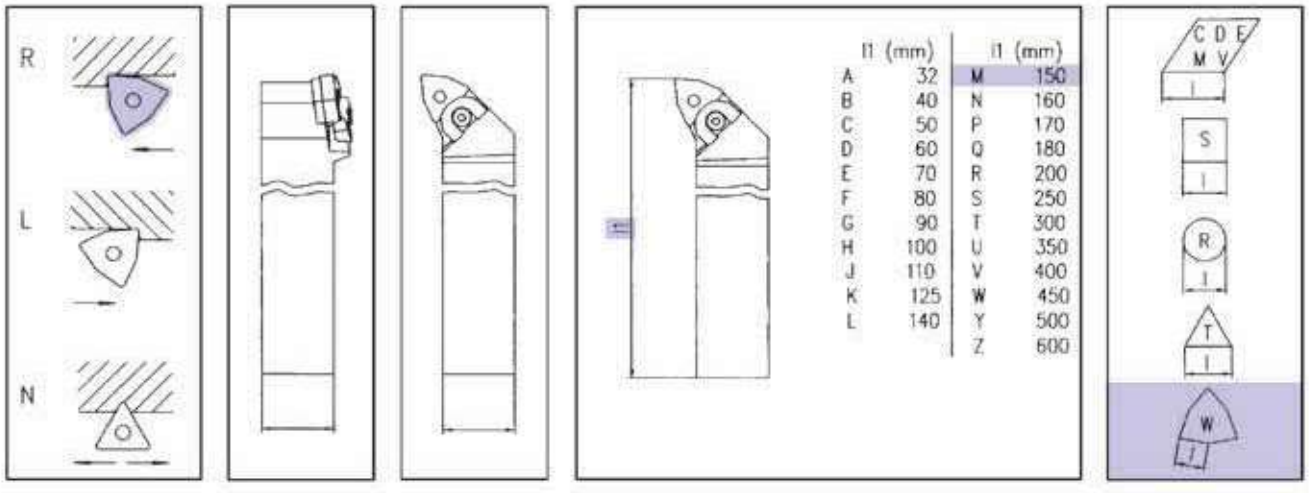
⑤ R
Vorshubrichtung
Freeding direction
Sens de l'avance
Senso di avanzamento
Dirección de corte
进给方向

⑥ 25
Schafthöhe
Shank height
Hauteur des porte-plaquettes
Altezza portainserto
Altura del mango
刀柄高度

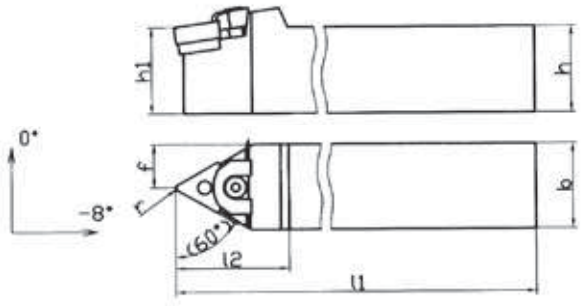
⑦ 25
Schaftbreite
Shank widht
Largeur des porte-plaquettes
Larghezza portainserto
Longitud del mango
刀柄宽度

⑧ M
Werkzeuglänge
Total lenght
Longueur totale
Lunghezza totale
Longitud total
总长度

⑨ 08
Schneidkantenlänge
Insert cutting edge lenght
Longueur des arêtes des plaquettes
Lunghezza del profilo inserto
Medida de la arista de las plaquitas
插件的切割边缘长度

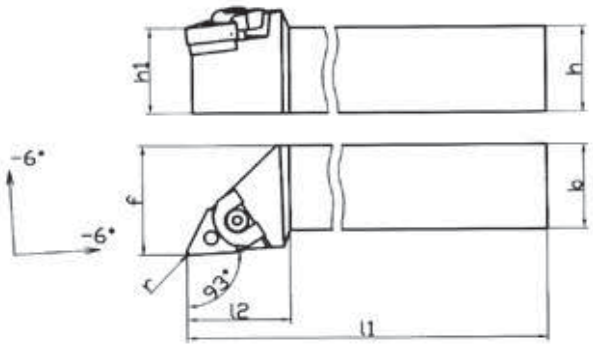


MTEN



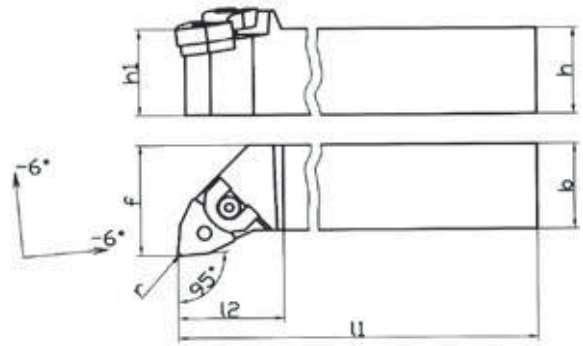
CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.	SUPPORT PAD	CLAMP	PIN	SCREW
MTENN 2525M22	25	25	150	35	25	12.5	0.8	TN..2204..	MSPTN22	STF04	PER03	VT16

MTJN



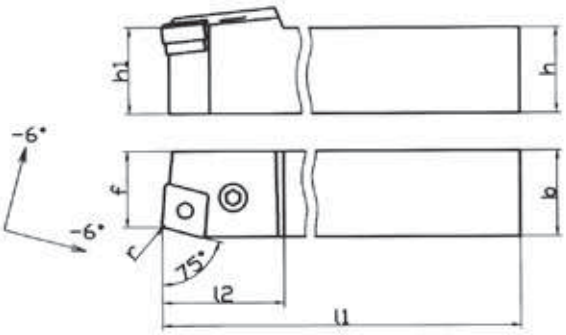
CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.	SUPPORT PAD	CLAMP	PIN	SCREW
MTJNR/L 2525M16	25	25	150	30	25	32	0.8	TN..1604..	MSPTN16	STF01	PER02	VT14

MWLN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.	SUPPORT PAD	CLAMP	PIN	SCREW
MWLNR/L 2525M08	25	25	150	31	25	32	0.8	WN..0804..	MSPWN08	STF10	PER03	VT16
MWLNR/L 3225P08	32	25	170	31	32	32	0.8	WN..0804..	MSPWN08	STF10	PER03	VT16
MWLNR/L 3232P08	32	32	170	31	32	40	0.8	WN..0804..	MSPWN08	STF10	PER03	VT16

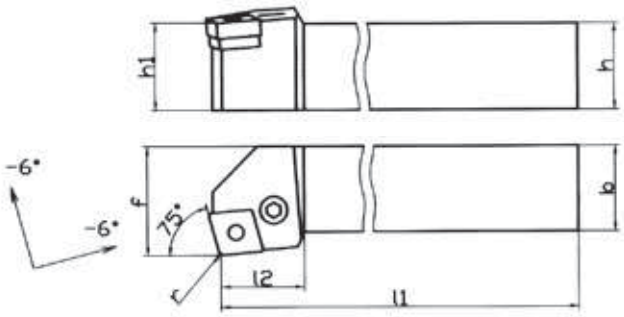
PCBN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
PCBNR/L 2525M12	25	25	150	37	25	22	0.8	CNM.1204..
PCBNR/L 2525M16	25	25	150	37	25	22	1.2	CNM.1606..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPCN12	SP02	LV02	VT02
SPCN16	SP03	LV03	VT03

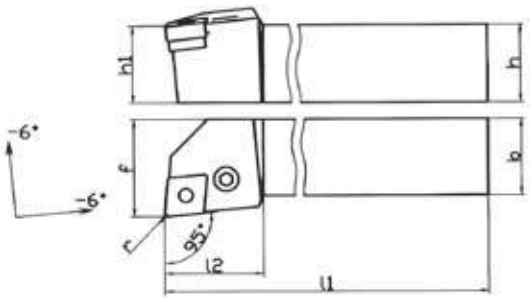
PCKN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
PCKNR/L 2020K12	20	20	125	24	20	25	0.8	CNM.1204..
PCKNR/L 2525M12	25	25	150	26	25	32	0.8	CNM.1204..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPCN12	SP02	LV02	VT02
SPCN12	SP02	LV02	VT02

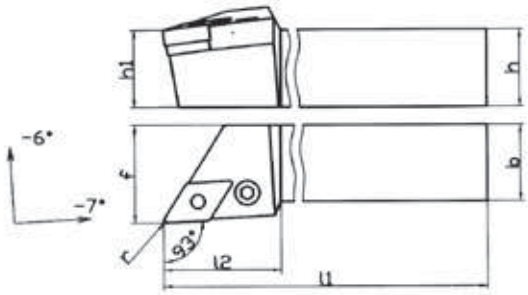
PCLN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
PCLNR/L 1616H12	16	16	100	26	16	20	0.8	CNM.1204..
PCLNR/L 2020K12	20	20	125	28	20	25	0.8	CNM.1204..
PCLNR/L 2525M12	25	25	150	33	25	32	0.8	CNM.1204..
PCLNR/L 4040S16	40	40	250	39	40	50	1.2	CNM.1606..
PCLNR/L 2525M19	25	25	150	39	25	32	1.2	CNM.1906..
PCLNR/L 3232P19	32	32	170	39	32	40	1.2	CNM.1906..
PCLNR/L 4040S19	40	40	250	39	40	50	1.2	CNM.1906..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPCN12	SP02	LV02	VT11
SPCN12	SP02	LV02	VT02
SPCN12	SP02	LV02	VT02
SPCN16	SP03	LV03	VT03
SPCN19	SP09	LV04	VT04
SPCN19	SP09	LV04	VT04
SPCN19	SP09	LV04	VT04

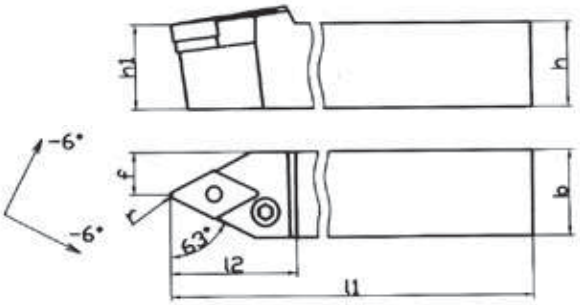
PDJN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
PDJNR/L 2020K15	20	20	125	35	20	25	0.8	DNM.1506..
PDJNR/L 2525M15	25	25	150	39	25	32	0.8	DNM.1506..
PDJNR/L 3232P15	32	32	170	39	32	40	0.8	DNM.1506..
PDJNR/L 4025R15	40	25	200	39	40	32	0.8	DNM.1506..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPDN15	SP02	LV05	VT05
SPDN15	SP02	LV05	VT05
SPDN15	SP02	LV05	VT05
SPDN15	SP02	LV05	VT05

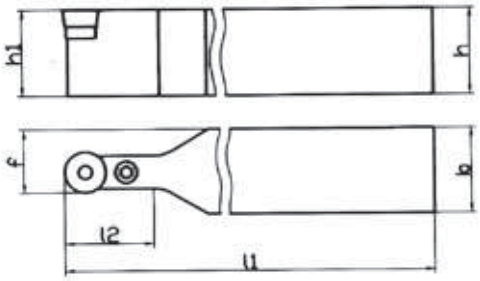
PDNN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
PDNNR/L 2525M15	25	25	150	37	25	12.5	0.8	DNM.1506..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPDN15	SP02	LV05	VT05

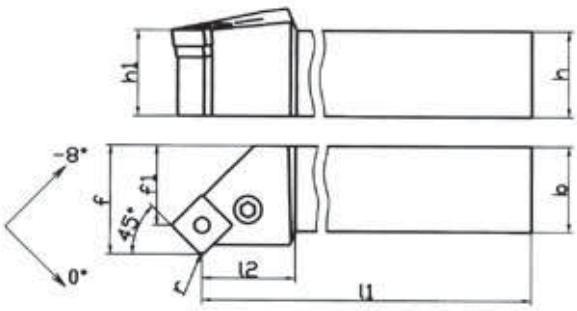
PRDC



CODE N.	h	b	l1	l2	h1	f	INSERTS N.
PRDCN 2525M10	25	25	150	21	25	17.5	RCM.100300.
PRDCN 2525M12	25	25	150	26	25	18.5	RCM.120400.

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPRC10	SP01	LV07	VT07
SPRC12	SP01	LV08	VT01

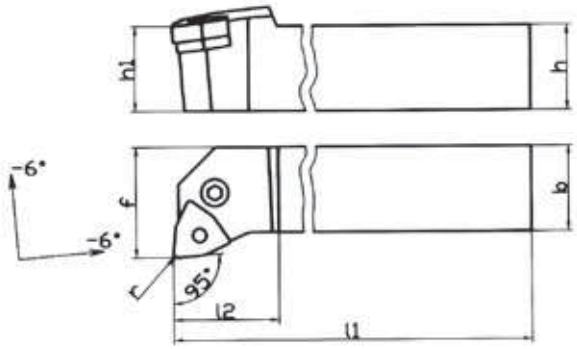
PSSN



CODE N.	h	b	l1	l2	h1	f	f1	r	INSERTS N.
PSSNR/L 2020K12	20	20	125	22	20	25	17	0.8	SNM.1204..
PSSNR/L 2525M12	25	25	150	25	25	32	24	0.8	SNM.1204..
PSSNR/L 3232P19	32	32	170	29	32	40	26	1.2	SNM.1906..
PSSNR/L 4040S19	40	40	250	29	40	50	40	1.2	SNM.1906..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPSN12	SP02	LV02	VT02
SPSN12	SP02	LV02	VT02
SPSN19	SP09	LV04	VT04
SPSN19	SP09	LV04	VT04

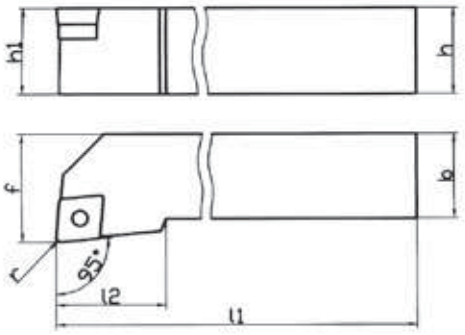
PWLN



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
PWLNR/L 2020K08	20	20	125	28	20	25	0.8	WN..0804..
PWLNR/L 2525M08	25	25	150	33	25	32	0.8	WN..0804..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPWN08	SP02	LV02	VT02
SPWN08	SP02	LV02	VT02

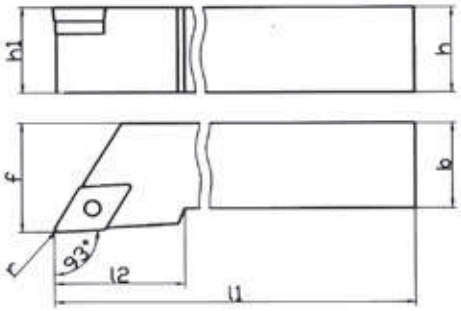
SCLC



CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.
SCLCR/L 2020K09	20	20	125	29	20	25	0.8	CC..09T3..
SCLCR/L 2020K12	20	20	125	29	20	25	0.8	CC..1204..

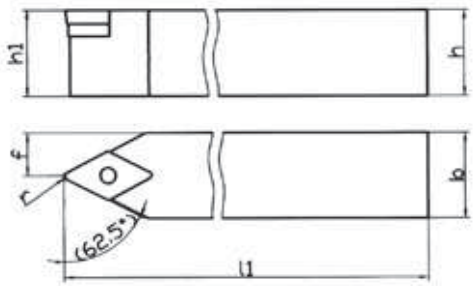
SUPPORT PAD	BUSH	SCREW
		TR2
SPCC12	VTA01	TR4

SDJC



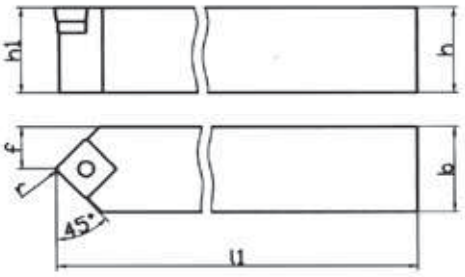
CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SDJCR/L 1212F11	12	12	80	29	12	16	0.8	DC..11T3..	-	-	TR14
SDJCR/L 1616H11	16	16	100	29	16	20	0.8	DC..11T3..	SPDC11	VTA02	TR8
SDJCR/L 2020K11	20	20	125	29	20	25	0.8	DC..11T3..	SPDC11	VTA02	TR8
SDJCR/L 2525M11	25	25	150	33	25	32	0.8	DC..11T3..	SPDC11	VTA02	TR8

SDNC



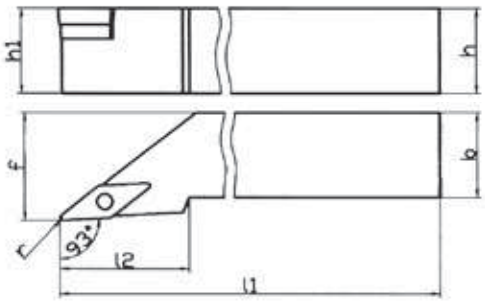
CODE N.	h	b	l1	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SDNCN 2020K11	20	20	125	20	10	0.8	DC..11T3..	SPDC11	VTA02	TR8
SDNCN 2525M11	25	25	150	25	12.5	0.8	DC..11T3..	SPDC11	VTA02	TR8

SSDC



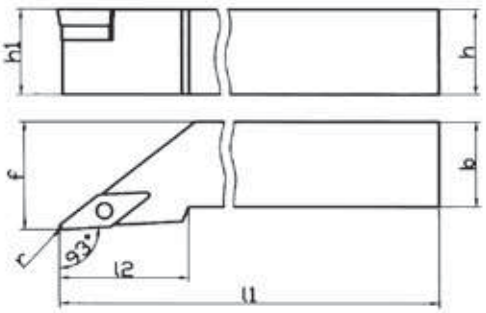
CODE N.	h	b	l1	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SSDCN 1616H09	16	16	100	16	8	0.8	SCM.09T3..	SPSC09	VTA02	TR8
SSDCN 2020K12	20	20	125	20	10	0.8	SCM.1204..	SPSC12	VTA01	TR4

SVJB



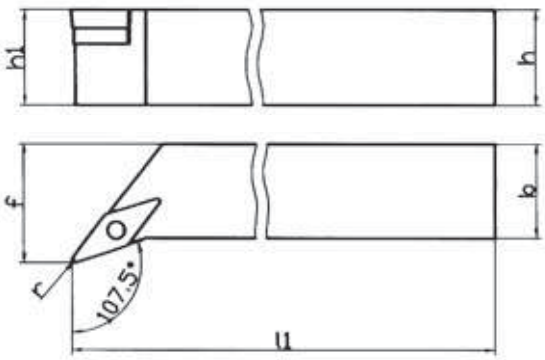
CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SVJBR/L 1616H11	16	16	100	29	16	20	0.4	VB..1102..	-	-	TR1
SVJBR/L 2020K11	20	20	125	29	20	25	0.4	VB..1102..	-	-	TR1
SVJBR/L 2525M11	25	25	150	29	25	32	0.4	VB..1102..	-	-	TR1
SVJBR/L 2020K16	20	20	125	35	20	25	0.8	VB..1604..	SPVC16	VTA02	TR8
SVJBR/L 2525M16	25	25	150	35	25	32	0.8	VB..1604..	SPVC16	VTA02	TR8

SVJC



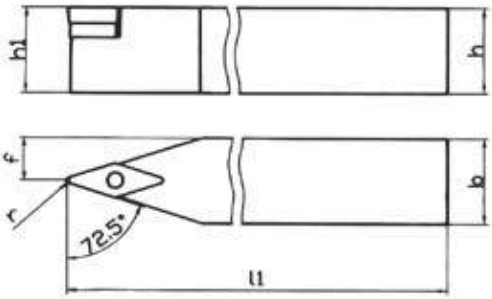
CODE N.	h	b	l1	l2	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SVJCR/L 1616H11	16	16	100	23	16	20	0.4	VC..1103..	-	-	TR1
SVJCR/L 2020K11	20	20	125	23	20	25	0.4	VC..1103..	-	-	TR1
SVJCR/L 2020K16	20	20	125	34	20	25	0.8	VC..1604..	SPVC16	VTA02	TR8

SVHB

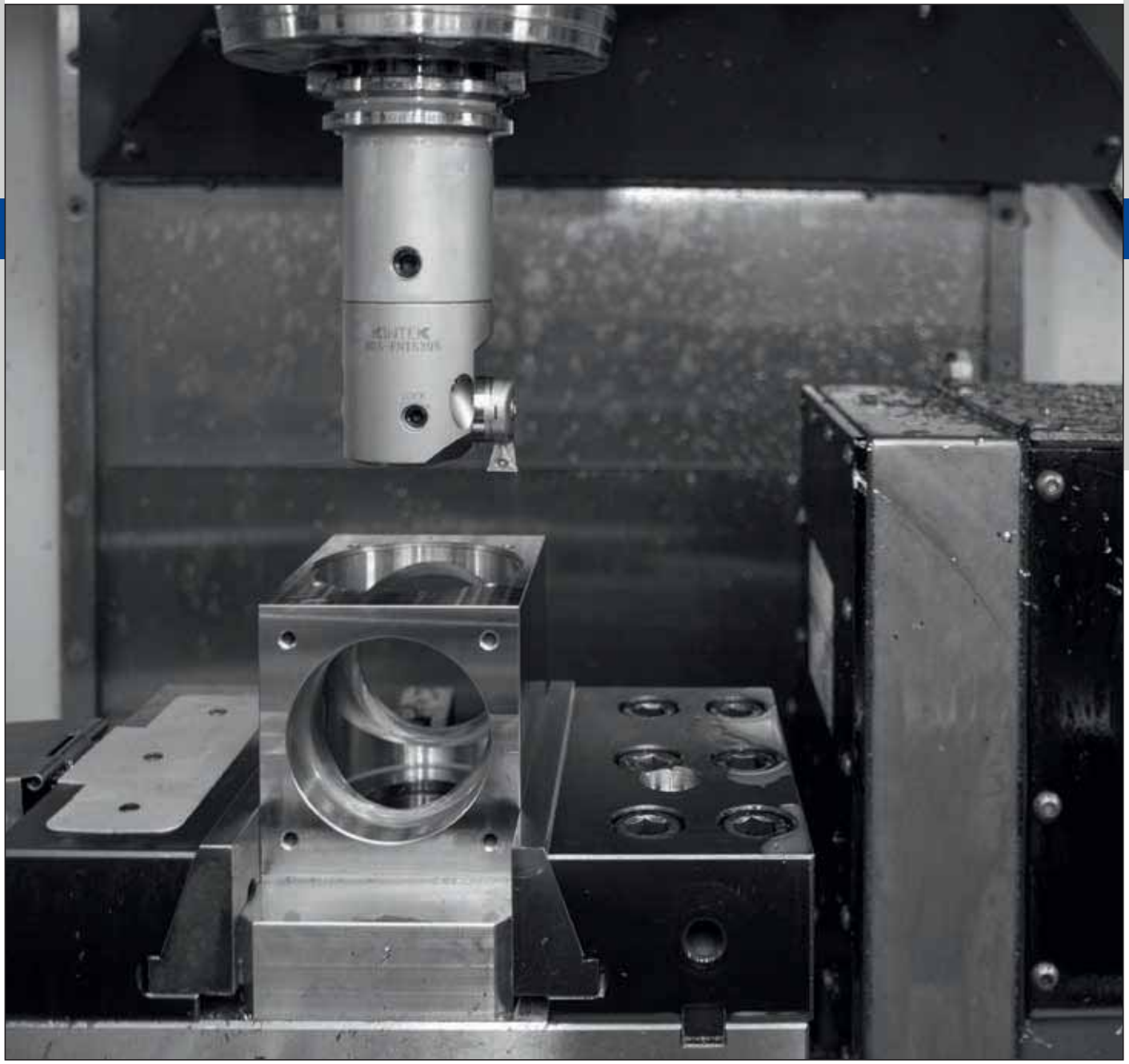


CODE N.	h	b	l1	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SVHBR/L 2525M16	25	25	150	25	32	0.8	VB..1604..	SPVC16	VTA02	TR8

SVVB

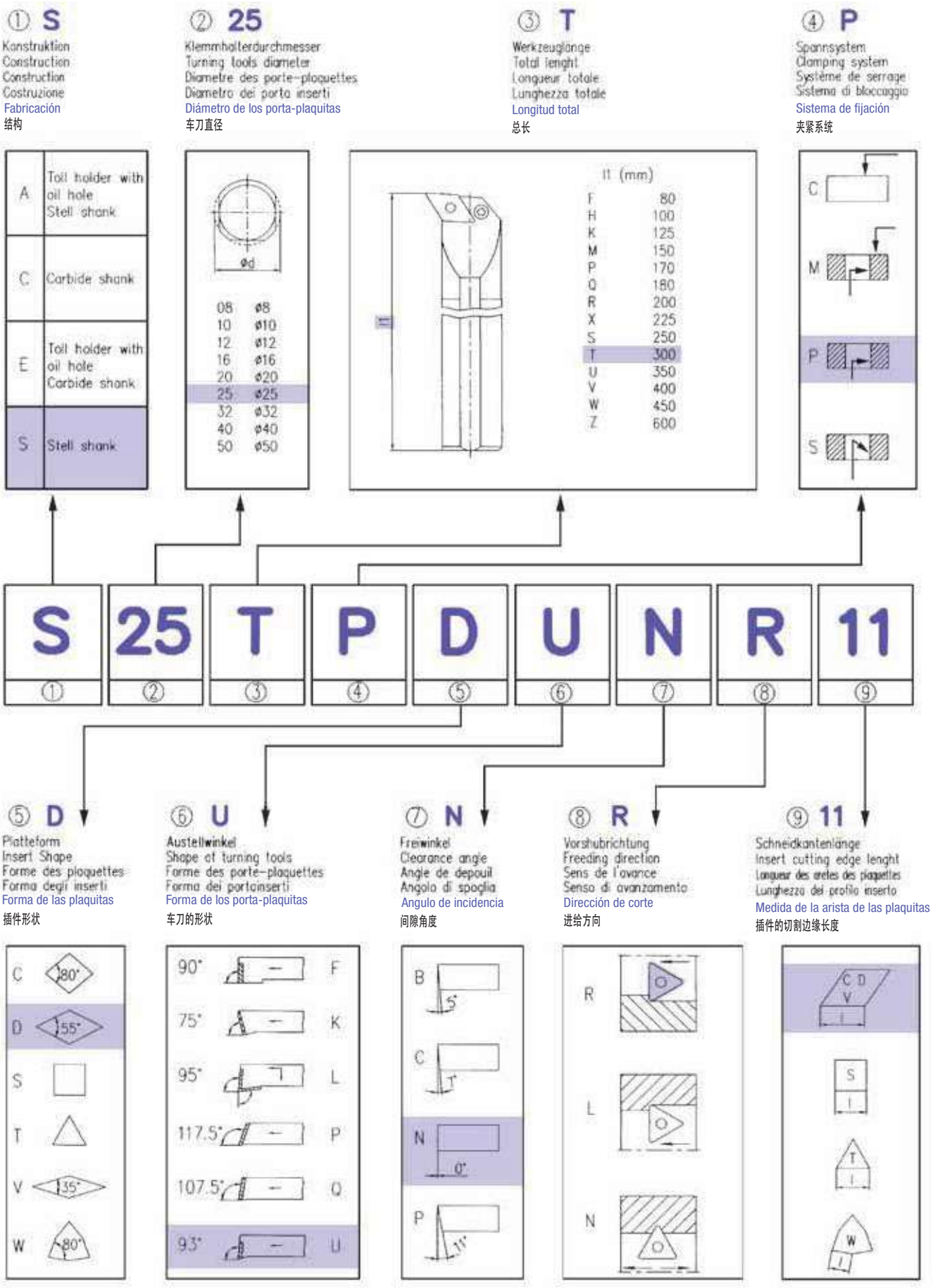


CODE N.	h	b	l1	h1	f	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
SVVBN 2525M16	25	25	150	25	12.5	0.8	VB..1604..	SPVC16	VTA02	TR8

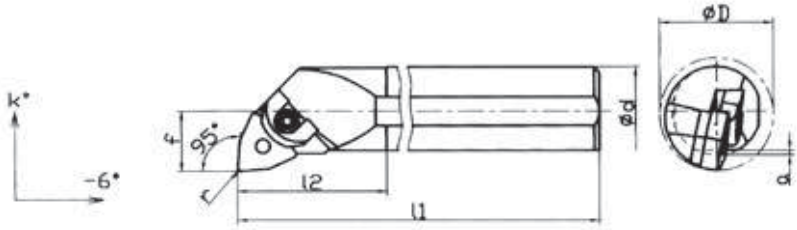


IDENTIFICATION OF THE INTERNAL (I.D.) BORING TOOLS

BEZEICHNUNG VON KLEMMHALTERN FÜR INNENBEARBEITUNG
IDENTIFICACION DE LAS BARRAS DE MANDRINAR
СИСТЕМА ОБОЗНАЧЕНИЯ РАСТОЧНЫХ ДЕРЖАВОК
IDENTIFICAZIONE DEI BARENI PER INTERNI
DESIGNATION DES BARRES D'ALESAGE INTERIEURES
镗刀的内部标识



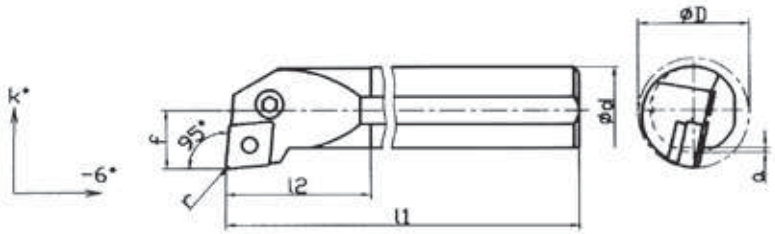
MWLN



CODE N.	d	l1	l2	f	a	K°	D	r	INSERTS N.
S25SMWLNR/L08	25	250	42	17	2	-12	32	0.8	WN..0804..
S32UMWLNR/L08	32	350	49	22	2	-12	40	0.8	WN..0804..
S40VMWLNR/L08	40	400	56	27	2	-10	50	0.8	WN..0804..
S50WMWLNR/L08	50	450	63	35	2	-10	63	0.8	WN..0804..

SUPPORT PAD	CLAMP	PIN
-	STF10	PER08
MSPWN08	STF10	PER08
MSPWN08	STF10	PER08
MSPWN08	STF10	PER08

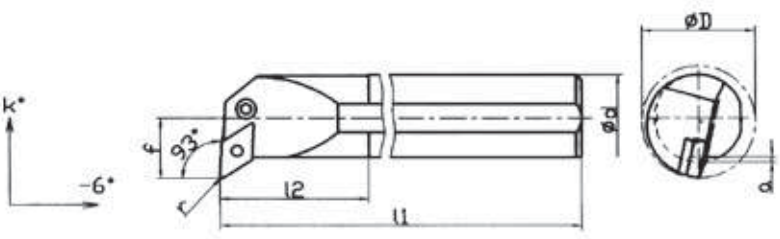
PCLN



CODE N.	d	l1	l2	f	a	K°	D	r	INSERTS N.
S25TPCLNR/L12	25	300	45	17	2	-12	32	0.8	CNM..1204..
S32UPCLNR/L12	32	350	50	22	2	-10	40	0.8	CNM..1204..
S40VPCLNR/L12	40	400	60	27	2	-10	50	0.8	CNM..1204..
S40VPCLNR/L16	40	400	60	27	2	-10	50	1.2	CNM..1606..
S50WPCLNR/L16	50	450	75	35	2	- 8	63	1.2	CNM..1606..
S50WPCLNR/L19	50	450	75	35	2	- 8	63	1.2	CNM..1906..

SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPCN12	SP02	LV02	VT10
SPCN12	SP02	LV02	VT02
SPCN12	SP02	LV02	VT02
SPCN16	SP03	LV03	VT03
SPCN16	SP03	LV03	VT03
SPCN19	SP04	LV04	VT04

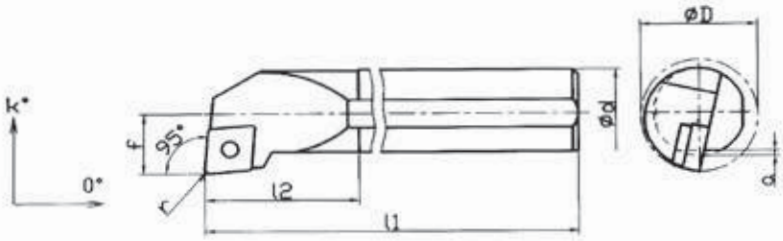
PDUN



CODE N.	d	l1	l2	f	a	K°	D	r	INSERTS N.
S32UPDUNR/L15	32	350	60	22	2	-15	40	0.8	DN..1506..
S40VPDUNR/L15	40	400	60	27	2	-12	50	0.8	DN..1506..
S50WPDUNR/L15	50	450	70	35	2	- 8	63	0.8	DN..1506..

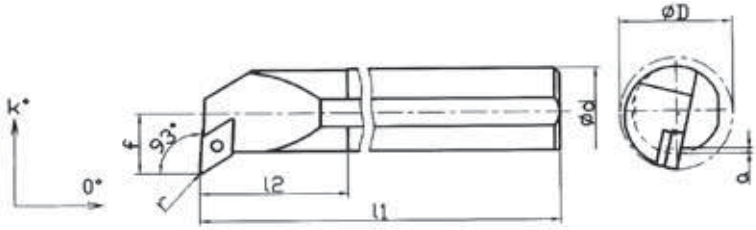
SUPPORT PAD	SHIM PIN	LEVER	SCREW
SPDN15	SP02	LV05	VT05
SPDN15	SP02	LV05	VT05
SPDN15	SP02	LV05	VT05

SCLC



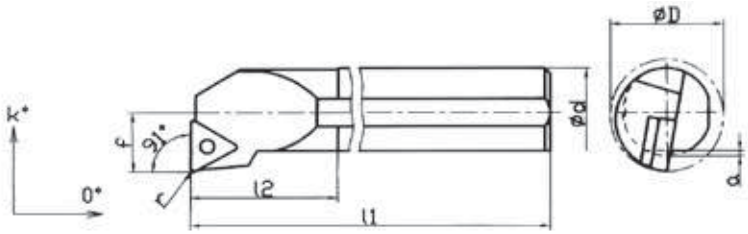
CODE N.	d	l1	l2	f	a	K°	D	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
S08HSCLCR/L06	8	100	25	6	0.5	-12	11	0.4	CC..0602..	-	-	TR1
S10KSCLCR/L06	10	125	25	7	0.5	-10	13	0.4	CC..0602..	-	-	TR1
S12MSCLCR/L06	12	150	30	9	0.5	-10	16	0.4	CC..0602..	-	-	TR1
S16RSCLCR/L06	16	200	40	11	1	-10	20	0.4	CC..0602..	-	-	TR1
S16RSCLCR/L09	16	200	40	11	1	-10	20	0.8	CC..09T3..	-	-	TR12
S20SSCLCR/L09	20	250	40	13	1.5	- 8	25	0.8	CC..09T3..	-	-	TR14
S25TSCLCR/L12	25	300	50	17	2	- 5	32	0.8	CC..1204..	-	-	TR13
S32USCLCR/L12	32	350	60	22	2	- 5	40	0.8	CC..1204..	SPCC12	VTA01	TR4
S40VSCLCR/L12	40	400	60	27	2	- 5	50	0.8	CC..1204..	SPCC12	VTA01	TR4

SDUC



CODE N.	d	l1	l2	f	a	K°	D	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
S10KSDUCR/L07	10	125	25	7	0.5	-10	13	0.4	DC..0702..	-	-	TR1
S12MSDUCR/L07	12	150	25	9	0.5	-10	16	0.4	DC..0702..	-	-	TR1
S16RSDUCR/L07	16	200	40	11	1	-10	20	0.4	DC..0702..	-	-	TR1
S20SSDUCR/L11	20	250	40	13	1.5	- 8	25	0.8	DC..11T3..	-	-	TR12
S25TSDUCR/L11	25	300	45	17	2	- 5	32	0.8	DC..11T3..	-	-	TR14
S32USDUCR/L11	32	350	60	22	2	- 5	40	0.8	DC..11T3..	SPDC11	VTA02	TR8

STFC



CODE N.	d	l1	l2	f	a	K°	D	r	INSERTS N.	SUPPORT PAD	BUSH	SCREW
S10KSTFCR/L11	10	125	28	7	0.5	-12	13	0.4	TC..1102..	-	-	TR1
S16RSTFCR/L11	16	200	40	11	1	- 8	20	0.4	TC..1102..	-	-	TR1
S20SSTFCR/L16	20	250	45	13	1.5	- 8	25	0.8	TC..16T3..	-	-	TR14
S25TSTFCR/L16	25	300	50	17	2	- 5	32	0.8	TC..16T3..	-	-	TR14
S32USTFCR/L16	32	350	50	22	2	- 5	40	0.8	TC..16T3..	SPTC16	VTA02	TR8

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KINTEK s.r.l.

Via Goretta 88/G
10079 Mappano - (TO)
Italy

Tel.: +39 011 99 68 065
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