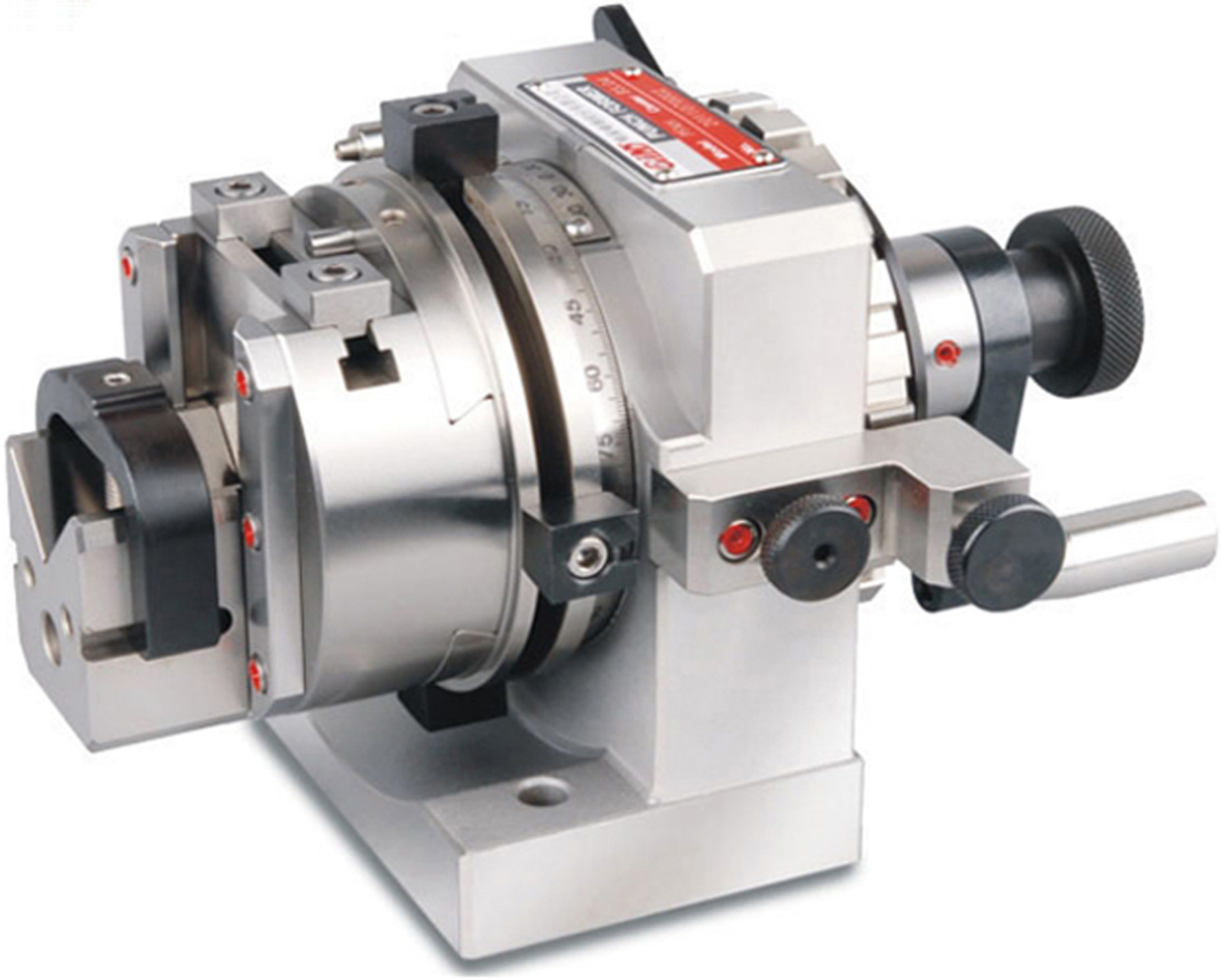
# Punch Former

## Grinding Accessories



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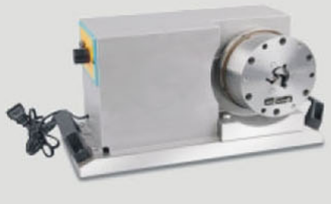

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## A62 Wheel Balancing Stand

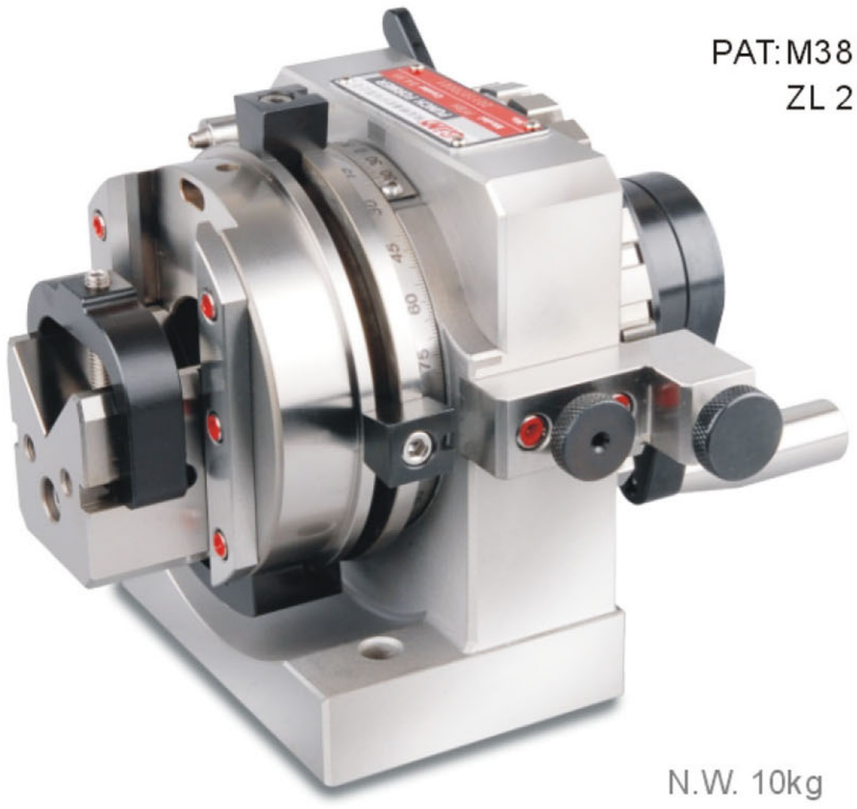


52596 A62


52598 A62

# Punch Former

## 50010 PFH350 Precision Punch Former



PAT:M386114
ZL 2010 2 0190858.6

IP67

N.W. 10kg

Note :V-block is made of SKD11 in order to enhance hardness



V block is adjustable for calibration even when small workpiece is clamped.
Two clamp plates on both side of V block helps the consistent movement.
Release the screw when make adjustable and lock with slight force.

Precisely ground screw rod for fine-tuning of V-block vertical movement.



### Punch forming applications

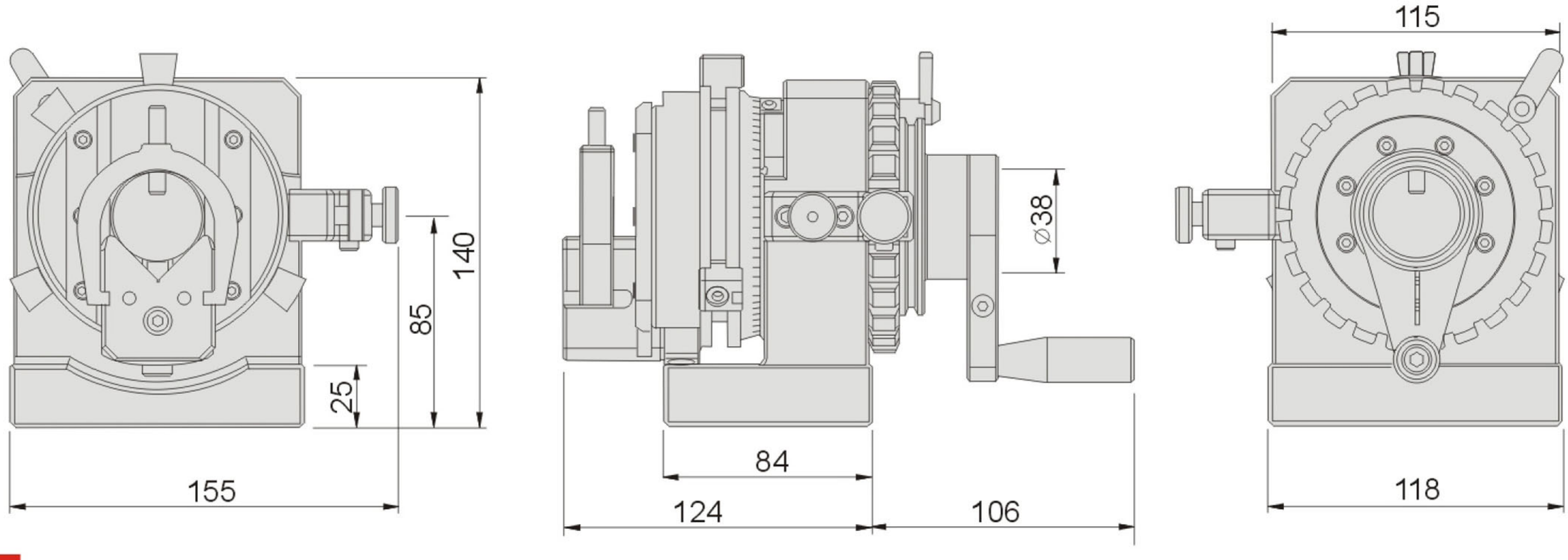


## Features :

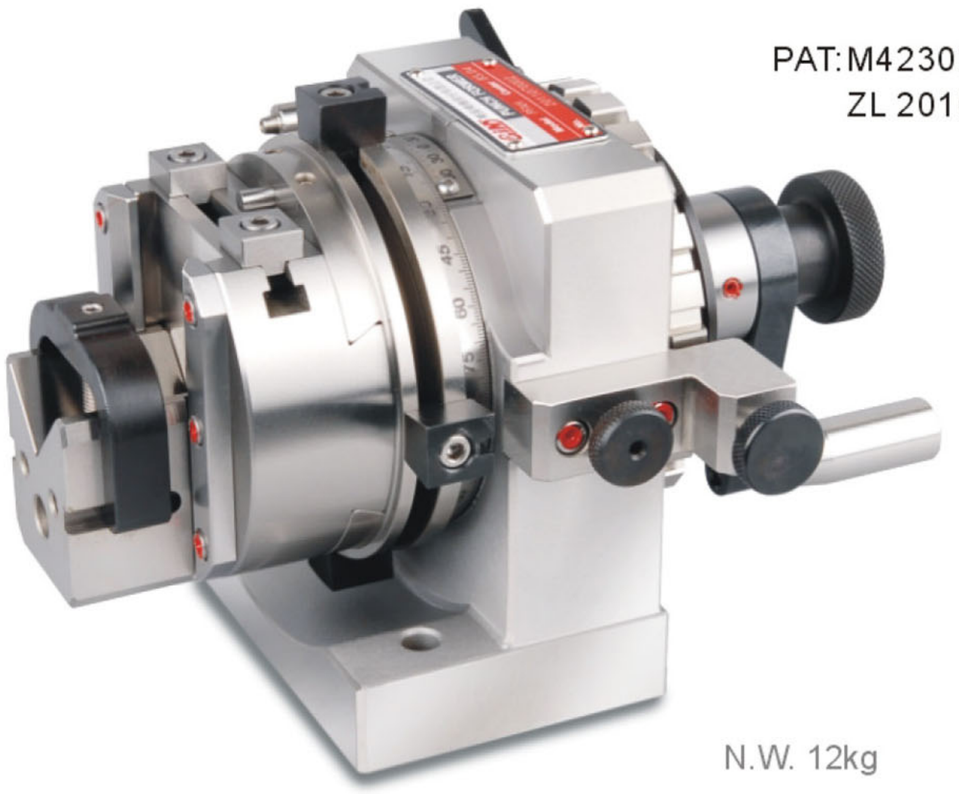
- PFH350 Precision Punch Former has stronger compact structure as well as longer durability. This model is suitable for applying on surface grinding machine and EDM machines.It is capable of forming miscellaneous shapes of punches.
- PFH350 has trough hole design for longer punch & ejector pins to be clamped in processing.
- V-block clamping design can accurately stabilize the workpieces and with fine-tuning function makes easier for setting center .
- Adopting high precision double bearing to achieve higher stability and accuracy,with times longer lifecisely stabilise polygonal punches.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Made of stainless steel,rustless and maintain easy.

### Main parameters:

| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Clamping dia. range of V-block | ⌀ 3~38mm |
| Travel of V-block | 30mm |
| Indexer tooth q'ty & accuracy | 24、15° ± 5" |
| Through hole diameters | ⌀ 36mm |
| Clamping accuracy (50mm) | 0.005mm |



# 50020 PFH450 Precision Punch Former



PAT:M423023
ZL 2010 2 0190858.6

N.W. 12kg

Note :V-block is made of SKD11 in order to enhance hardness



- V block is adjustable for calibration even when small workpiece is clamped.
- Two clamp plates on both side of V block helps the consistent movement.
- Release the screw when make adjustable and lock with slight force.

## Punch forming applications



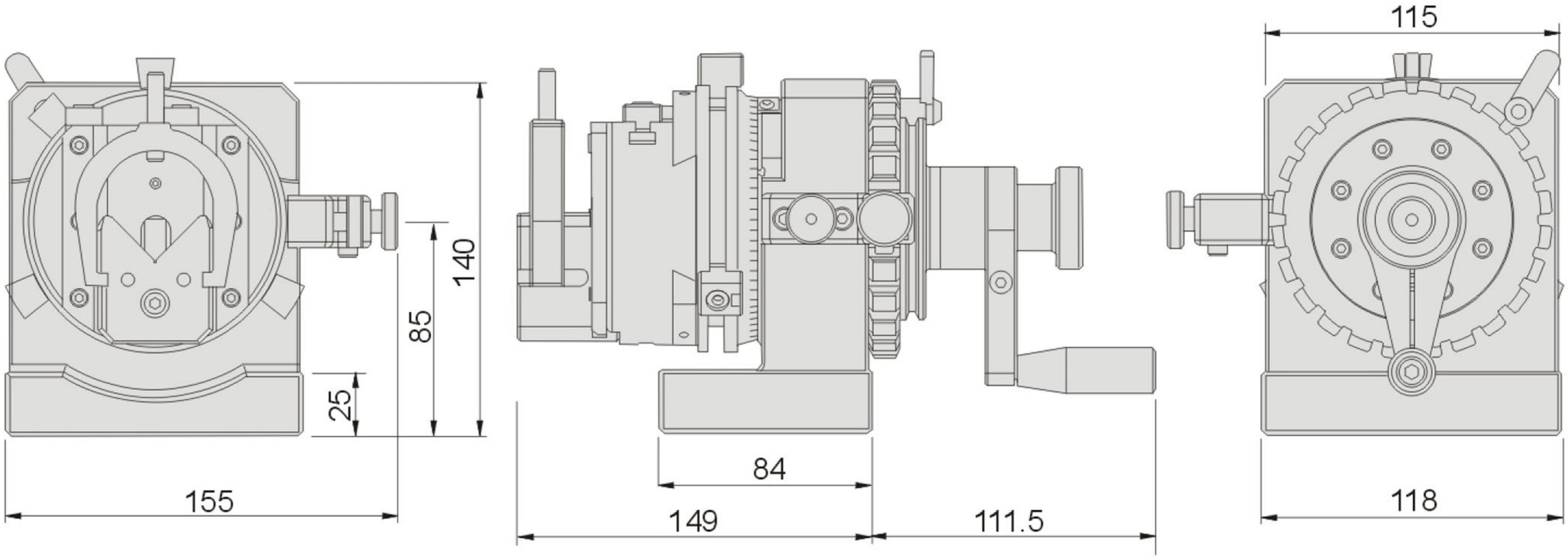
IP67

## Features :

- PFH350 Precision Punch Former has stronger compact structure as well as longer durability. This model is suitable for applying on surface grinding machine and EDM machines.It is capable of forming miscellaneous shapes of punches.
- V-block clamping design can accurately stabilize the workpieces and with fine-tuning function makes easier for setting center .
- Adopting high precision double bearing to achieve higher stability and accuracy,with times longer lifecisely then the conventional ones.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Made of stainless steel,rustless and maintain easy.

## Main parameters:

| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Clamping dia. range of V-block | ø 3~38mm |
| Travel of V-block | 38mm |
| Slide plate horiztonal movement | ±18mm |
| Indexer tooth q'ty & accuracy | 24、15° ± 5'' |
| Clamping accuracy (50mm) | 0.005mm |



# Punch Former

## 50030 PFH Precision Multi-function Punch Former - Body only

PAT:M421169
ZL 2010 2 0190858.6

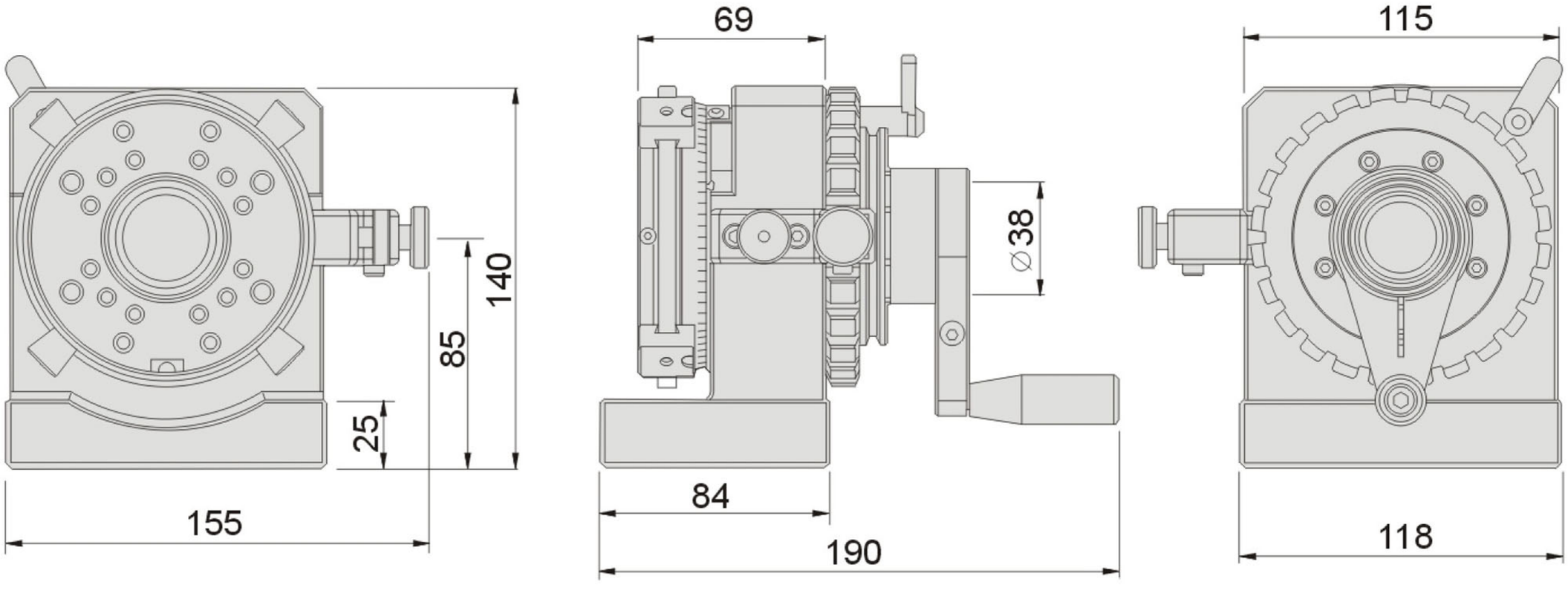


N.W.7.8kg

IP67

### Features :

- Brand new type Punch former,with higher rigidity and durability.Stainless steel body made it waterproof and easy for maintainance.
- Adopting high precision double bearings to achieve high accuracy & stability as well as longer lifecycle.
- Modulisation makes its multi-functional,applying (See page A04)SC40,SC04/05 3-Jaw Chuck,ER collets,3R and Erowa positioning chuck.
- Various components can be procured to achieve cost efficiency.(See page A04)




| Order No. | Model | N.W. |
|---|---|---|
| **50030** | PFH | 7.8kg |
| **50035-00** | SC40 | 2.2kg |
| **50035-01** | SC04 | 1.0kg |
| **50035-02** | SC05 | 7.0kg |
| **50035-03** | SER20 | 0.48kg |
| **50035-04** | SER32 | 0.51kg |
| **50035-05** | SER50 | 0.55kg |
| **50035-07** | 3R24 | 0.6kg |
| **50035-08** | 3R28 | 1.0kg |
| **50035-09** | EQC50 | 0.6kg |
| **50035-10** | EQC100 | 2.0kg |

### Features :

- Modulisation
- High rigidity, accuracy and stability
- Strong clamping force
- Various clamping size
- Flexible, fast and convenient
- Unique design with special surface treatment, longer lifecycle

Interchangeable components
(see next page for more information)

# 50030 PFH Precision Multi-function Punch Former - Body only

## Interchangeable components



50035-00
SC40



50035-01/02
SC04/05



50035-03/04/05
SER/20/32/50



50035-07
3R24



50035-08
3R28



50030
PFH P A03



50035-09
EQC50



50035-10
EQC100



50030-07 P A09
PFH-3R24



50030-08 P A09
PFH-3R28



50030-09 P A10
PFH-EQC50



50030-10 P A10
PFH-EQC100



50030-00 P A05
PFH-SC40



50030-01/02 P A06/07
PFH-SC04/05



50030-03/04/05 P A08
PFH-SER20/32/50

# Punch Former

## 50030-00 PFH-SC40 Super Precision 3-Jaws Punch Former

PAT:M421169
ZL 2010 2 0190858.6



N.W. 10kg

Note : Apply Torque Wrench at all time, due to SC40 3-Jaw Chuck has high precision structure design, avoiding any possible damage.

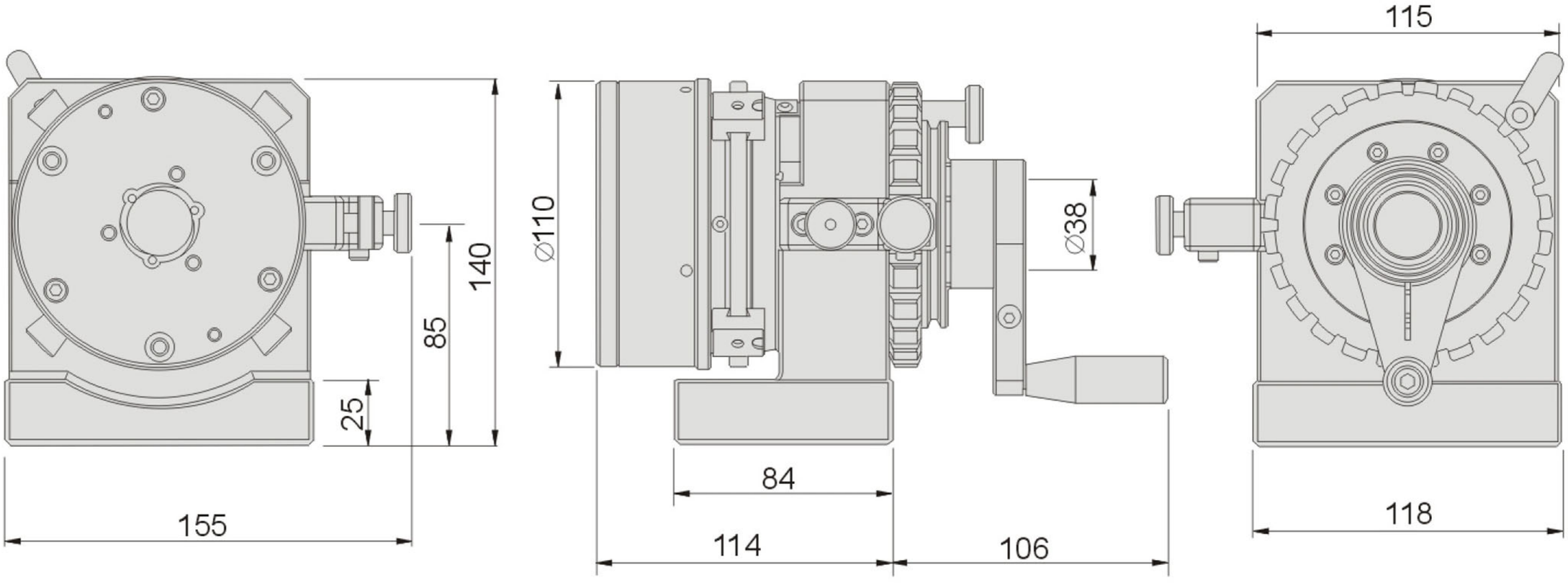
IP67

## Features :

- PFH-SC40 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Special designed SC40 3-Jaw Chuck provide rapid clamping and it suitable for mass production,, workpiece with round shaped can precisely & rapidly clamped.
- Torgue wrench is included for user-friendly purpose.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

## Main parameters:

| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Indexer tooth q'ty & accuracy | 24、15° ±5" |
| Through hole diameters | ø 25mm |
| Hole dia. of 3-Jaw Chuck | ø 25mm |
| Min. clamping range | ø 1mm |
| Max. clamping range | ø 25mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | within 0.003mm |



# 50030-01 PFH-SC04 Precision 3-Jaws Punch Former

PAT:M421169
ZL 2010 2 0190858.6



N.W. 8.8kg

Note: SC04 is made of FCD45 material.

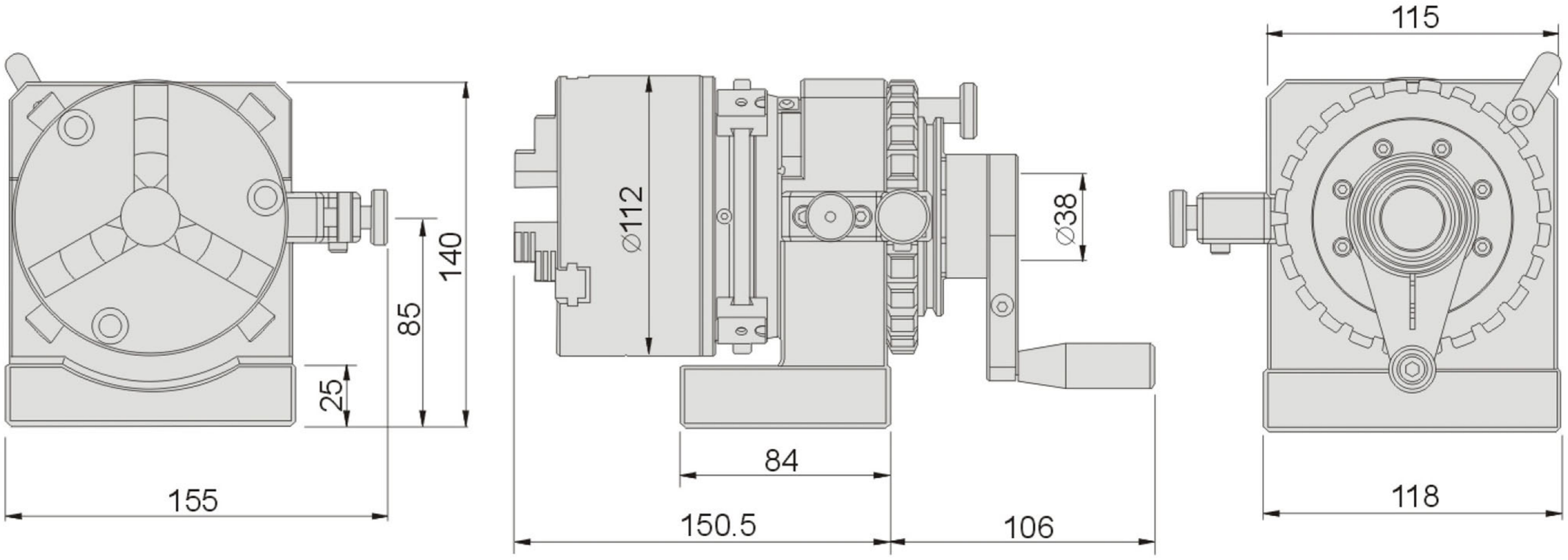
IP67

## Features :

- PFH-SC04 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- SC04 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Due to accumulated tolerance when clamping different sizes of workpieces, special design in adjustment of horizontal and roundness for user own application.
- Jaw attachment can clamp workpeice with larger diameters.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

## Main parameters:

| | |
|---|---|
| Center height | 85±0.5mm |
| Indexer tooth q'ty & accuracy | 24、15°±5" |
| Through hole diameters | Ø32mm |
| Hole dia. of 3-Jaw Chuck | Ø32mm |
| Min. clamping range | O.D .Ø3mm, I.D.Ø32mm |
| Max. clamping range | O.D. Ø90mm, I.D.Ø84mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |



# Punch Former

## 50030-02 PFH-SC05 Precision 3-Jaws Punch Former

PAT:M421169
ZL 2010 2 0190858.6



N.W. 14.8kg

Note: SC04 is made of FCD45 material.

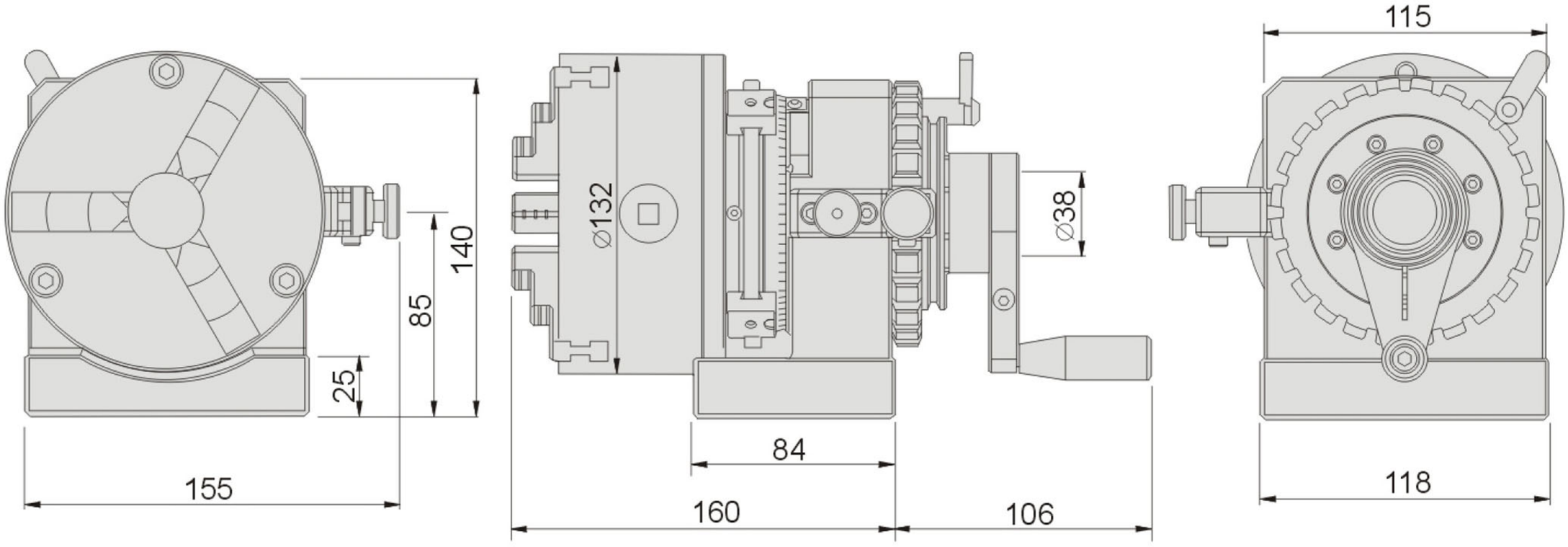
IP67

## Features :

- PFH-SC05 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- SC05 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Due to accumulated tolerance when clamping different sizes of workpieces, special design in adjustment of horizontal and roundness for user own application.
- Jaw attachment can clamp workpeice with larger diameters.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

### Main parameters:

| | |
|---|---|
| Center height | 85±0.5mm |
| Indexer tooth q'ty & accuracy | 24、15°±5" |
| Through hole diameters | Ø32mm |
| Hole dia. of 3-Jaw Chuck | Ø32mm |
| Min. clamping range | O.D .Ø3mm, I.D.Ø35mm |
| Max. clamping range | O.D .Ø110mm, I.D.Ø110mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |

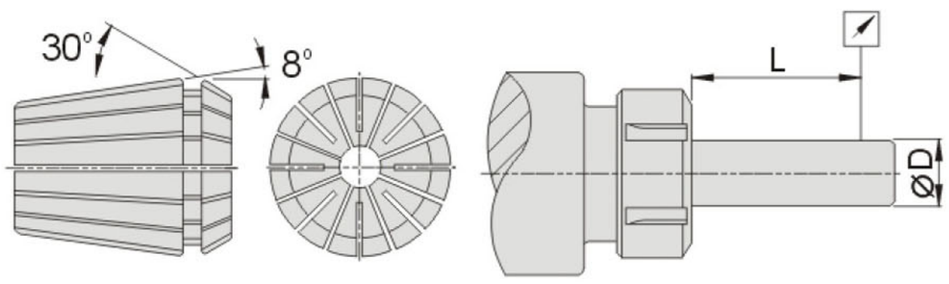


# 50030-03/04/05 PFH-SER Precision ER Collet Punch Former

PAT:M421169
ZL 2010 2 0190858.6




Note: ER & ER Nut are not made of stainless steel.




| L | D | Accuracy |
|---|---|---|
| 6 | 1.0-1.6 | 0.01 |
| 10 | 1.6-3.0 | 0.01 |
| 16 | 3.0-7.0 | 0.01 |
| 25 | 7.0-10.0 | 0.01 |
| 40 | 10.0-18.0 | 0.01 |
| 50 | 18.0-24.0 | 0.01 |
| 60 | 24.0-34.0 | 0.01 |

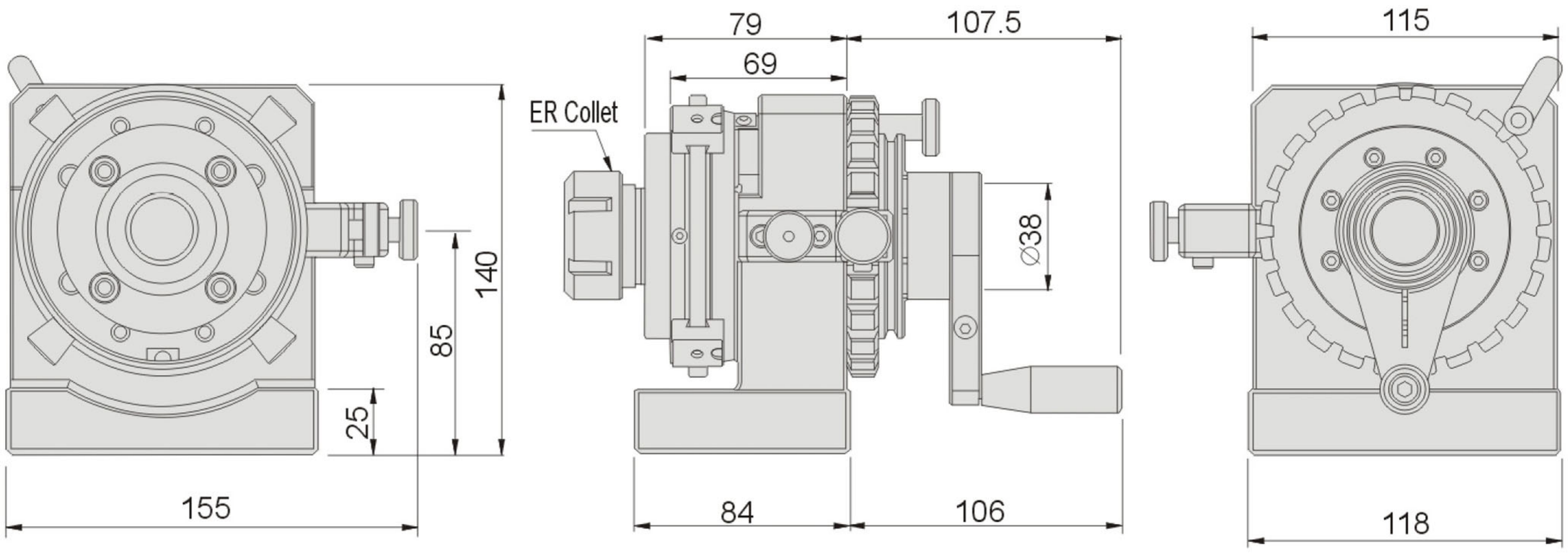
IP67

## Features :

- PFH-SER is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- With ER collets, the flexible range of collet is 1mm.
- Capable collet clamping range: Min. ⌀2mm, Max. ⌀ 34mm
- PFH-SER can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is compatible with various ER collets such as ER20, ER32, ER50 etc...

## Main parameters:

Center height ····· 85 ± 0.5mm
Indexer tooth q'ty & accuracy ····· 24、15° ± 5"
Through hole diameters ····· ⌀ 36mm
Rotational accuracy ····· 0.003mm




| Order No. | Model | ER Collet spec. | N.W. |
|---|---|---|---|
| **50030-03** | PFH-SER20 | 3，4，6，8，10 | 8.3kg |
| **50030-04** | PFH-SER32 | 4，8，12，16，20 | 8.3kg |
| **50030-05** | PFH-SER50 | 12，18，20，30，34 | 8.4kg |

# Punch Former

## 50030-07/08 PFH-3R Precision 3R Punch Former



PFH-3R24



PFH-3R28

PAT:M421169
ZL 2010 2 0190858.6

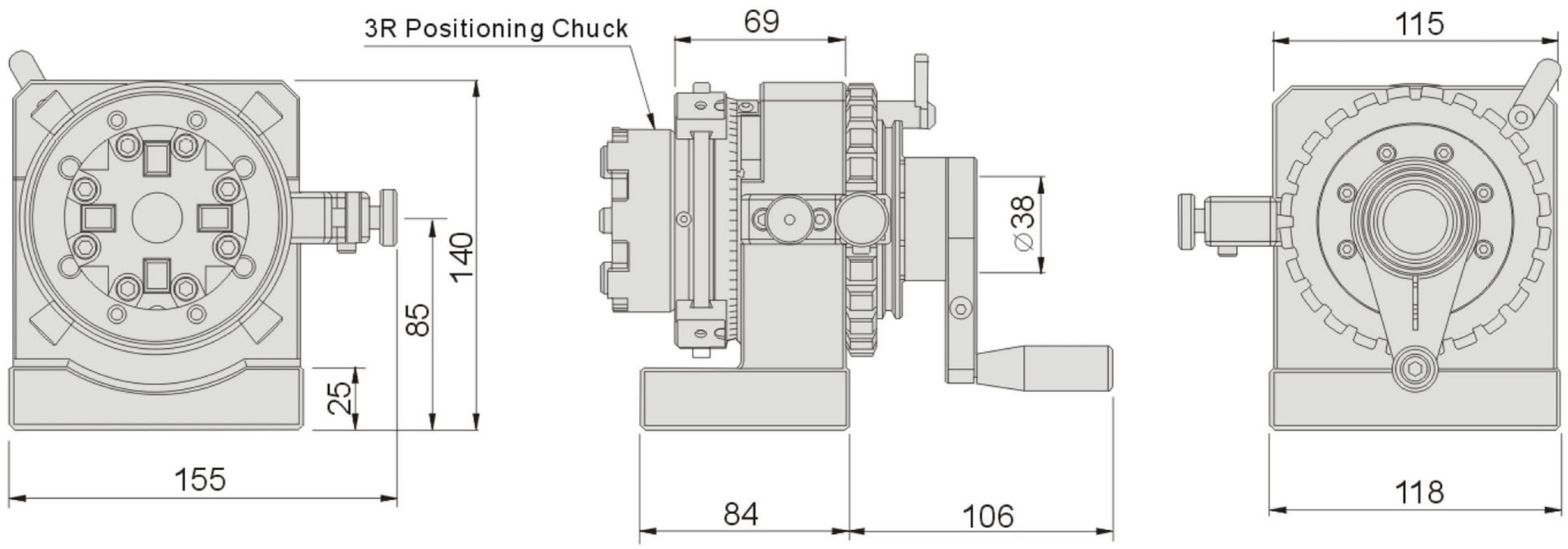
IP67

## Features :

- PFH-3R is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- With interchangeable design, components can be chosen according to users' demand.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model also works with EROWA Positioning Chuck to achieve modulisation.

### Main parameters:

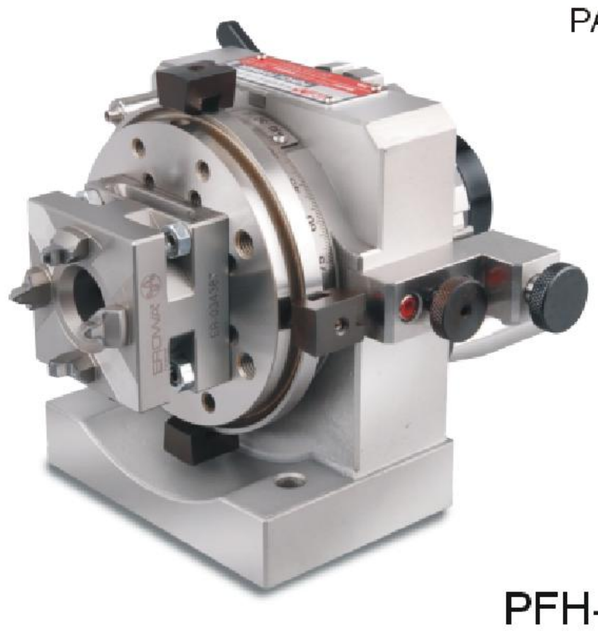
Center height ····· 85±0.5mm
Indexer tooth q'ty & accuracy ····· 24、15°±5"
Rotational accuracy ····· 0.003mm
Repeat accuracy ····· 0.003mm




| Order No. | Model | Positioning Chuck spec | N.W. |
|---|---|---|---|
| **50030-07** | PFH-3R24 | 3R24 | 8.4kg |
| **50030-08** | PFH-3R28 | 3R28 | 8.8kg |

# 50030-09/10 PFH-EQC Precision EQC Punch Former

PAT:M421169
ZL 2010 2 0190858.6



PFH-EQC50



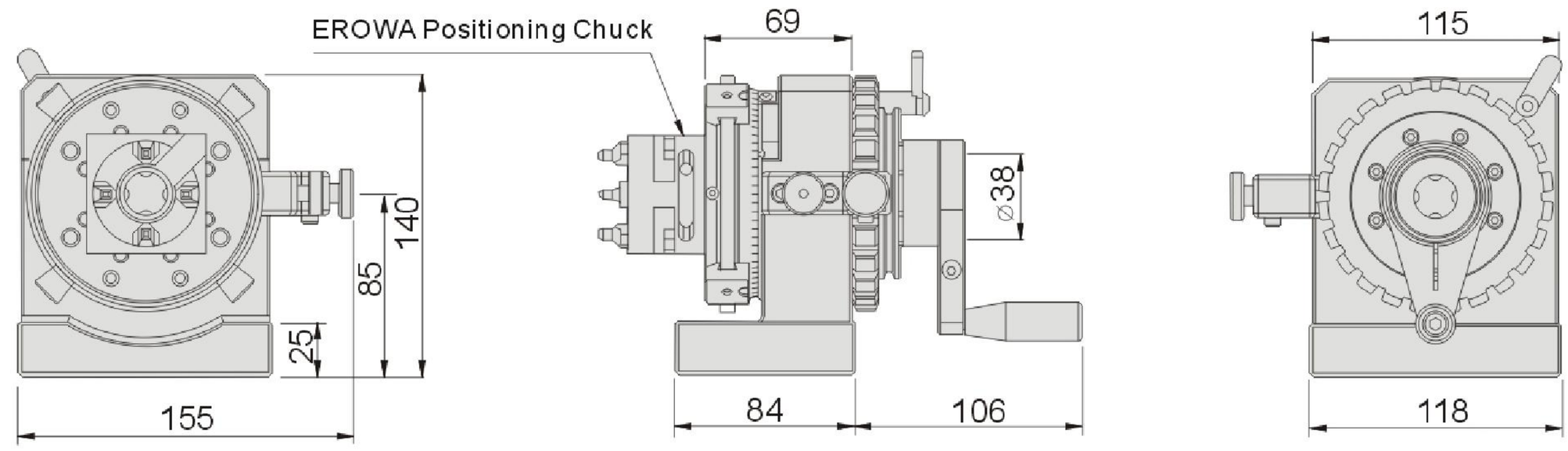
PFH-EQC100

## Features :

- PFH-EQC is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- With interchangeable design, components can be chosen according to users' demand.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model also works with System 3R Positioning Chuck to achieve modulisation.

### Main parameters:

Center height ····· 85 ± 0.5mm
Indexer tooth q'ty & accuracy····· 24、15° ± 5"
Rotational accuracy····· 0.003mm
Repeat accuracy ····· 0.003mm

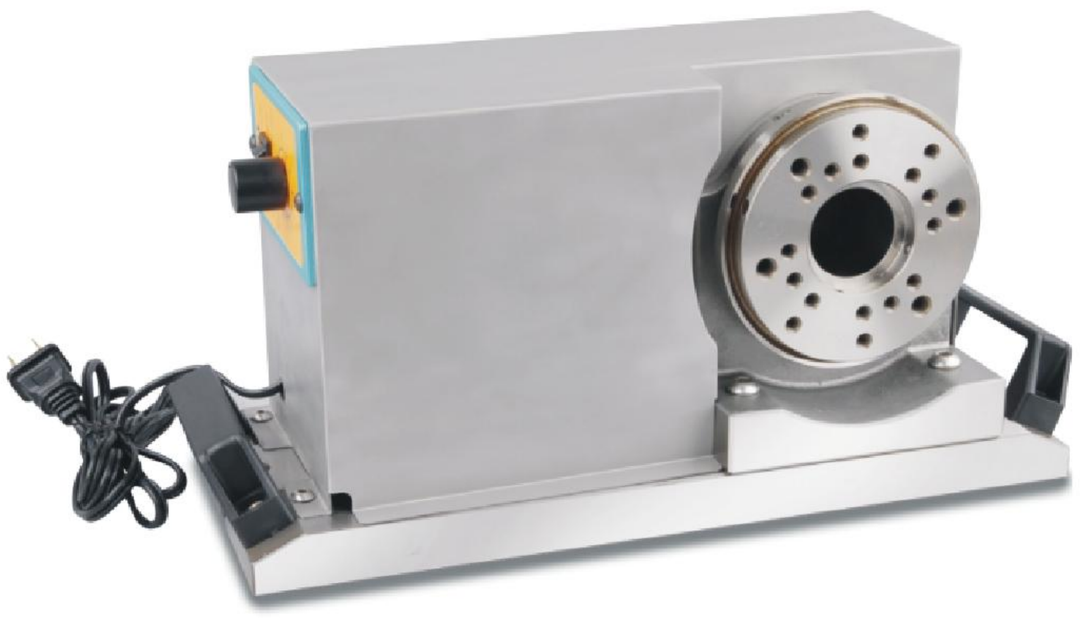



| Order No. | Model | Positioning Chuck spec | N.W. |
|---|---|---|---|
| **50030-09** | PFH-EQC50 | EQC50 | 8.4kg |
| **50030-10** | PFH-EQC100 | EQC100 | 9.8kg |

# Punch Former

## 50050 PFHM Precision Motor Multi-function Punch Former - Body only

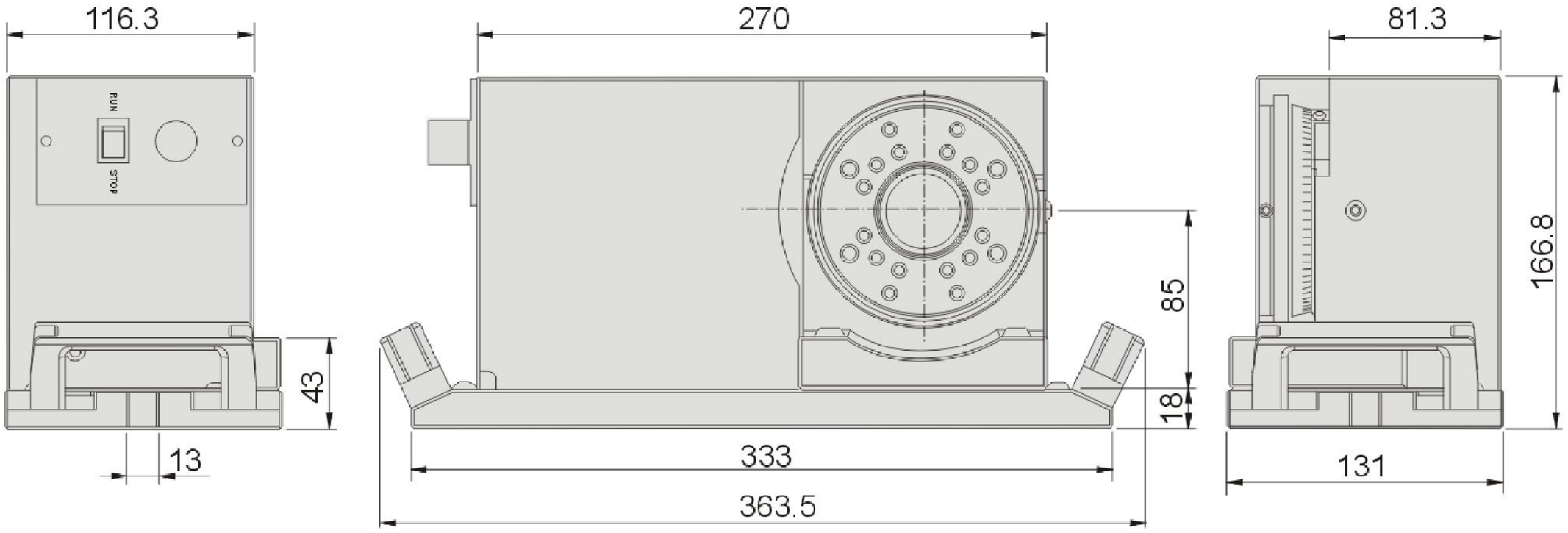
PAT:M421169
ZL 2010 2 0190858.6



N.W. 24kg

## Features :

- PFHM is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Motorised function prevent human fatigue when processing.
- With interchangeable design, components can be chosen according to users' demand such as SC40, SC04, SC05 3-Jaw Chuck, ER20, ER32, ER50 collets.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- Seal type motor and adjustable voltage & rotary speed as below
  110V/60Hz ····· 50 ~ 550 RPM
  220V/50Hz ····· 50 ~ 550 RPM
- Depending on any demands in processing, optional accessories in 50035 page A12 are available to achieve cost effective.




| Order No. | Model | Voltage | N.W. |
|---|---|---|---|
| 50050-110 | PFHM | 110V | 24kg |
| 50050-220 | | 220V | |
| 50050-00-110 | PFHM-SC40 | 110V | 31kg |
| 50050-00-220 | | 220V | |
| 50050-01-110 | PFHM-SC04 | 110V | 25kg |
| 50050-01-220 | | 220V | |
| 50050-02-110 | PFHM-SC05 | 110V | 31.5kg |
| 50050-02-220 | | 220V | |
| 50050-03-110 | PFHM-SER20 | 110V | 24.9kg |
| 50050-03-220 | | 220V | |
| 50050-04-110 | PFHM-SER32 | 110V | 24.8kg |
| 50050-04-220 | | 220V | |
| 50050-05-110 | PFHM-SER50 | 110V | 25.7kg |
| 50050-05-220 | | 220V | |

## Features :

- Modulisation
- High rigidity, accuracy and stability
- Strong clamping force
- Various clamping size
- Flexible, fast and convenient
- Unique design with special surface treatment, longer lifecycle

Interchangeable components
(see next page for more information)

# 50050 PFHM Precision Motor Multi-function Punch Former - Body only

## Interchangeable components



50035-00
SC40



50035-01/02
SC04/05



50035-03/04/05
SER20/32/50



50050
PFHM
P A11



50050-00
PFHM-SC40
P A13



50050-01/02
PFHM-SC04/05
P 14/15

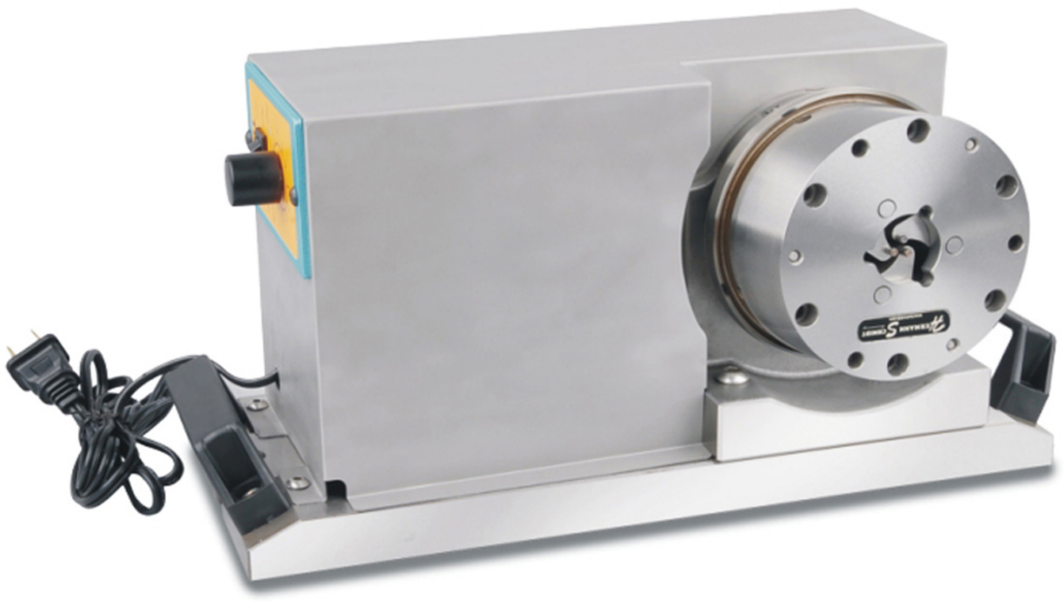


50050-03/04/05
PFHM-SER20/32/50
P A16

# 50050-00 PFHM-SC40 Super Precision Motor 3-Jaws Punch Former



PAT:M421169
ZL 2010 2 0190858.6



Note: Apply Torque Wrench at all time, due to SC40 3-Jaw Chuck has high precision structure design, avoiding any possible damage.

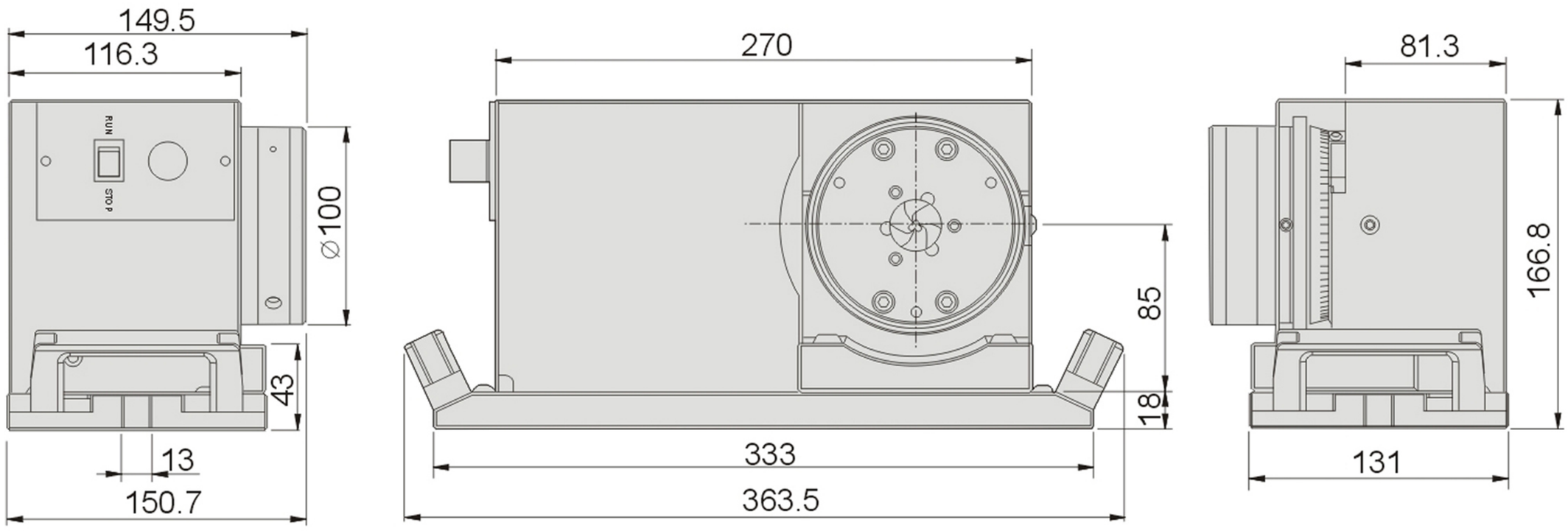
IP62

## Features :

- PFHM-SC40 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Special designed SC40 Precision 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Motorised function prevent human fatigue when processing.
- Torgue wrench is included for user-friendly purpose.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

## Main parameters:

| | |
|---|---|
| Center height | 85±0.5mm |
| Through hole diameters | Ø 36mm |
| Hole dia. of 3-Jaw Chuck | Ø 25mm |
| Motor : 110V/60Hz | 50~550RPM |
| Motor : 220V/50Hz | 50~550RPM |
| Min. clamping range | Ø 1mm |
| Max. clamping range | Ø 25mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.003mm |



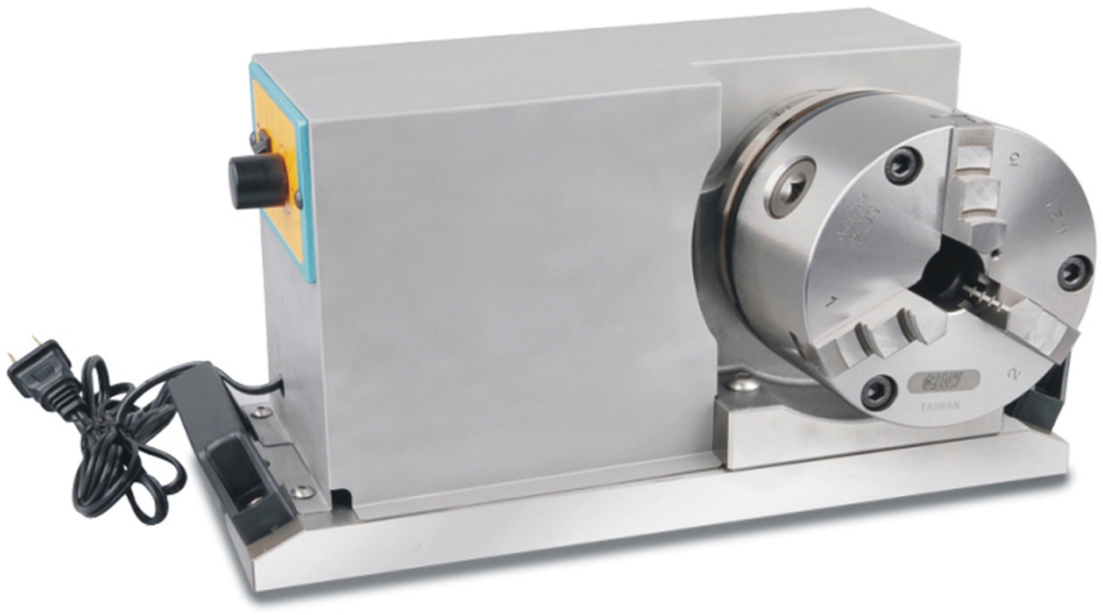

| Order No. | Model | Chuck Spec. | Voltage | N.W. |
|---|---|---|---|---|
| 50050-00-110 | PFHM-SC40 | SC40 | 110V | 31kg |
| 50050-00-220 | | | 220V | 31kg |

# 50050-01 PFHM-SC04 Precision Motor 3-Jaws Punch Former



IP62

PAT:M421169
ZL 2010 2 0190858.6



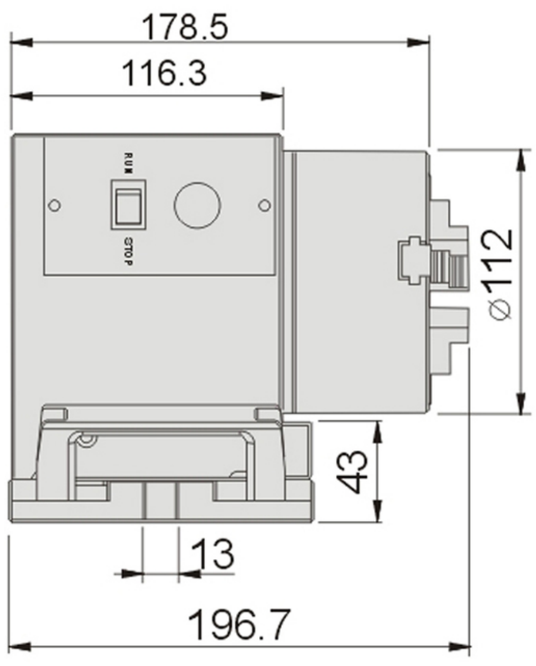
Note: Apply Torque Wrench at all time, due to SC04 3-Jaw Chuck has high precision structure design, avoiding any possible damage.

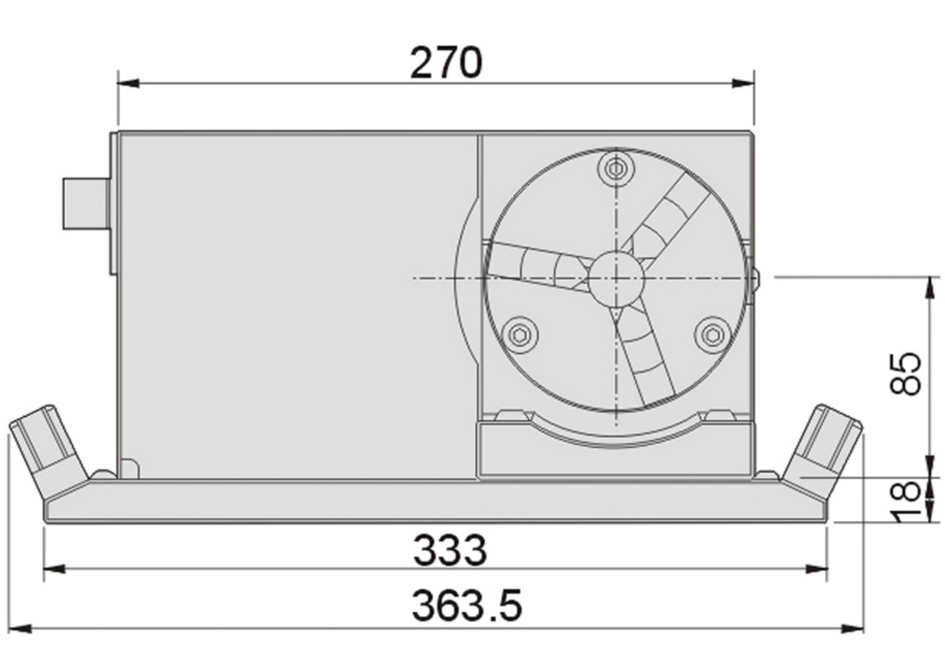
## Features :

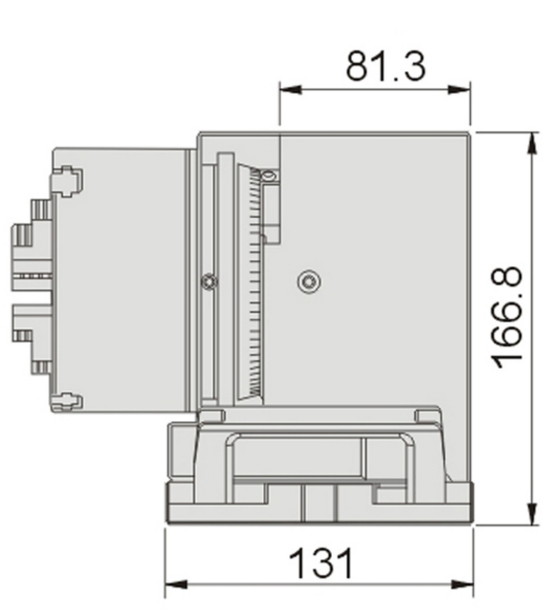
- PFHM-SC04 is adopting quality stainless steel with waterpro of and stronger structure leading lasting durability.
- Special designed SC04 Precision 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Motorised function prevent human fatigue when processing.
- Further attachment Jaw provides capability of clamping larger workpeice.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

## Main parameters:

| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Through hole diameters | ø 36mm |
| Hole dia. of 3-Jaw Chuck | ø 32mm |
| Min. clamping range | O.D. ø 3mm, I.D. ø 32mm |
| Max. clamping range | O.D. ø 3mm, I.D. ø 4mm |
| Motor : 110V/60Hz | 50~550RPM |
| Motor : 220V/50Hz | 50~550RPM |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |



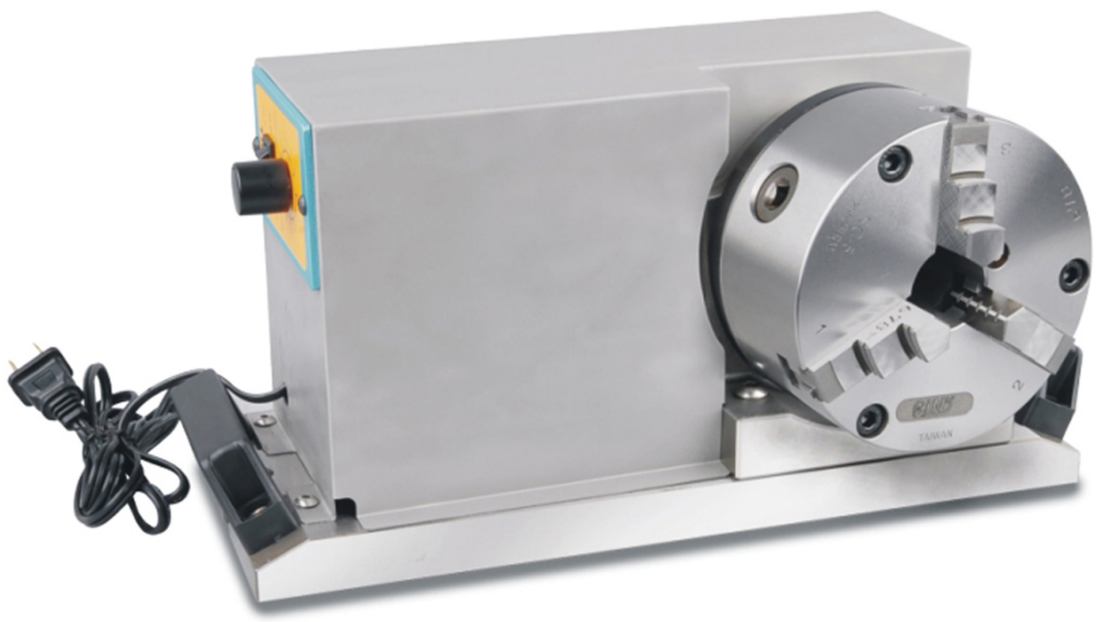

| Order No. | Model | Chuck Spec. | Voltage | N.W. |
|---|---|---|---|---|
| **50050-01-110** | PFHM-SC04 | SC04 | 110V | 25kg |
| **50050-01-220** | | | 220V | 25kg |

# 50050-02 PFHM-SC05 Precision Motor 3-Jaws Punch Former



PUNCH FORMER

PAT:M421169
ZL 2010 2 0190858.6



Note: Apply Torque Wrench at all time, due to SC05 3-Jaw Chuck has high precision structure design, avoiding any possible damage.

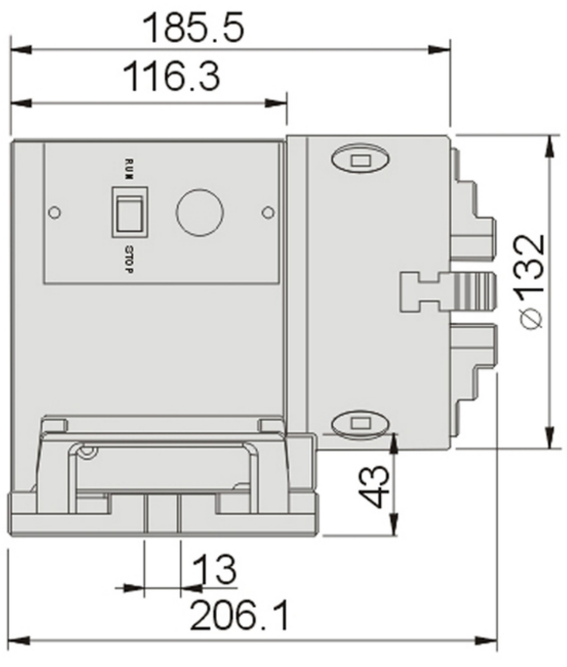
IP62

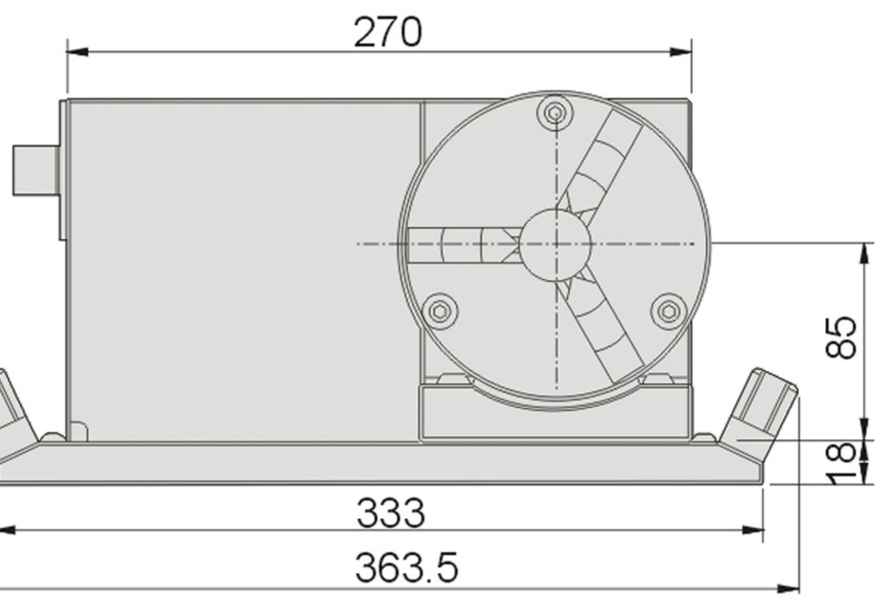
## Features :

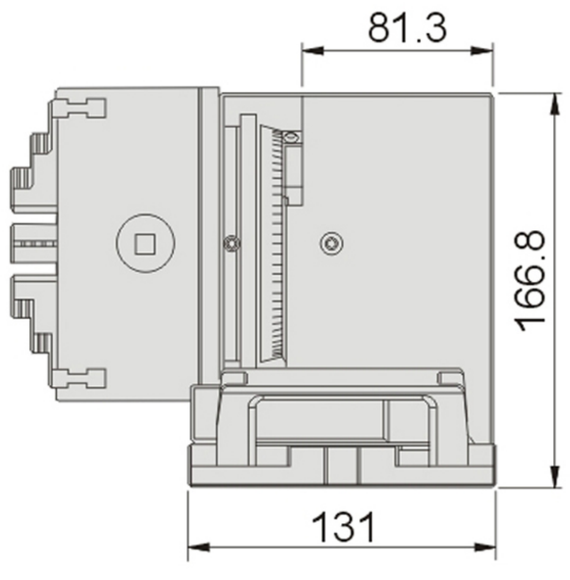
- PFHM-SC05 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Special designed SC05 Precision 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Motorised function prevent human fatigue when processing.
- Further attachment Jaw provides capability of clamping larger workpeice.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

## Main parameters:

| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Through hole diameters | Ø 36mm |
| Hole dia. of 3-Jaw Chuck | Ø 32mm |
| Min. clamping range | O.D.Ø3mm, I.D.Ø32mm |
| Max. clamping range | O.D.Ø3mm, I.D.Ø84mm |
| Motor : 110V/60Hz | 50~550RPM |
| Motor : 220V/50Hz | 50~550RPM |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |



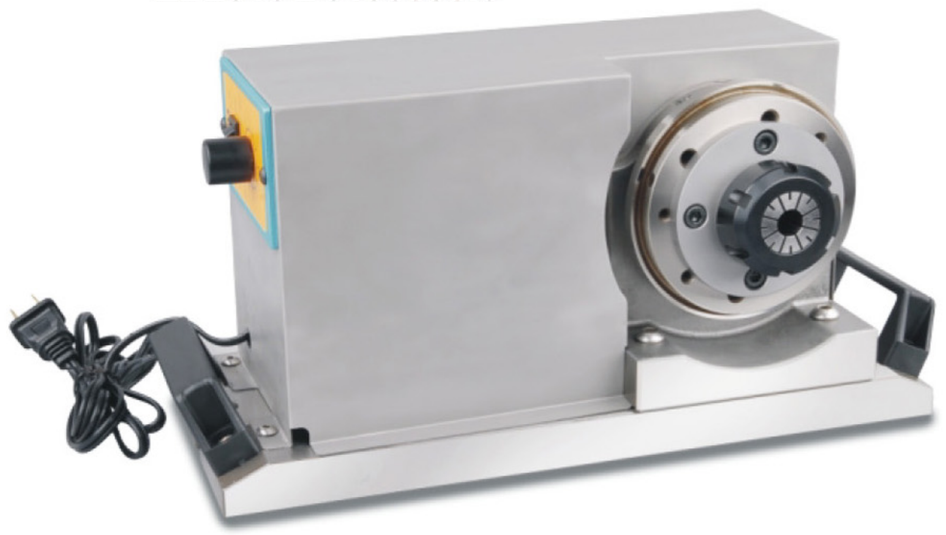



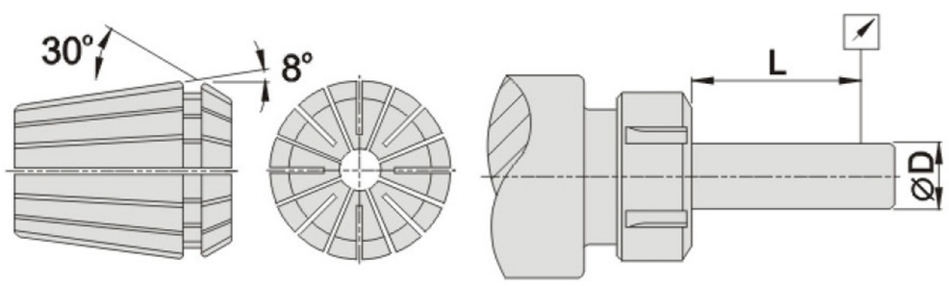

| Order No. | Model | Chuck Spec. | Voltage | N.W. |
|---|---|---|---|---|
| 50050-02-110 | PFHM-SC05 | SC05 | 110V | 31.5kg |
| 50050-02-220 | | | 220V | 31.5kg |

# 50050-03/04/05 PFHM-SER Precision Motor ER Collet Punch Former

PAT:M421169
ZL 2010 2 0190858.6



Note: ER & ER Nut are not made of stainless steel.




| L | D | Accuracy |
|---|---|---|
| 6 | 1.0-1.6 | 0.01 |
| 10 | 1.6-3.0 | 0.01 |
| 16 | 3.0-7.0 | 0.01 |
| 25 | 7.0-10.0 | 0.01 |
| 40 | 10.0-18.0 | 0.01 |
| 50 | 18.0-24.0 | 0.01 |
| 60 | 24.0-34.0 | 0.01 |

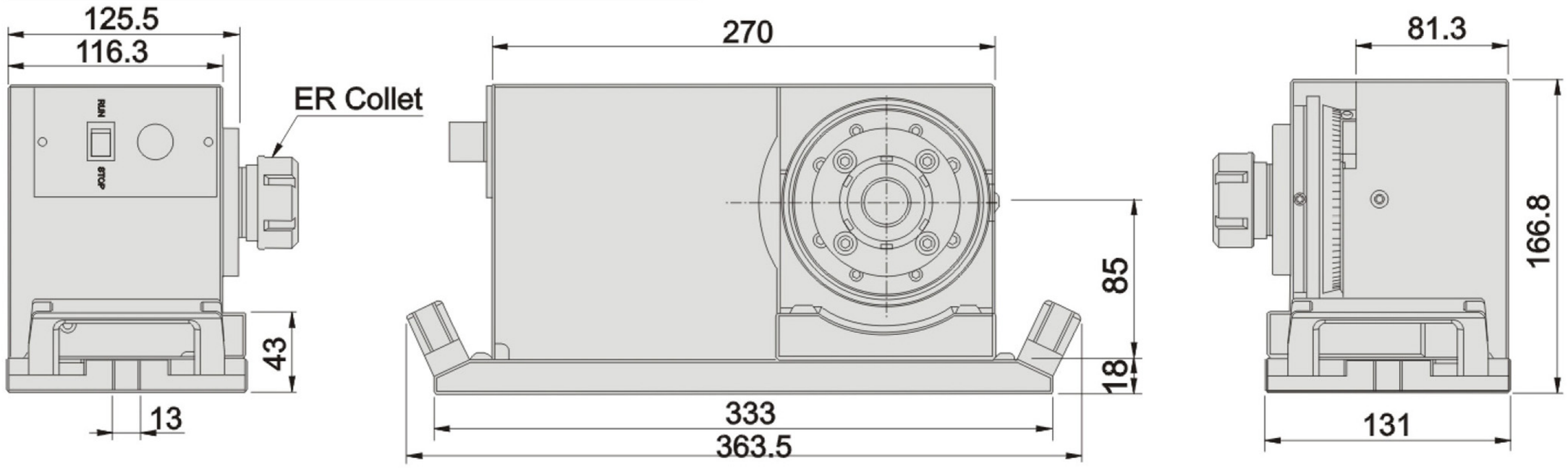
IP62

## Features :

- PFHM-SER is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- With ER collets, the flexible range of collet is 1mm.
- Capable collet clamping range: Min. ∅2mm, Max. ∅34mm
- PFH-SER can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- Motorised function prevent human fatigue when operating.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is compatible with various ER collets such as ER20, ER32, ER50 etc...

## Main parameters:

Center height ····· 85±0.5mm
Motor : 110V/60Hz ····· 50~550RPM
Motor : 220V/50Hz ····· 50~550RPM
Rotational accuracy ····· 0.003mm




| Order No. | Model | ER Collet specification | Voltage | N.W. |
|---|---|---|---|---|
| 50050-03-110 | PFHM-SER20 | 3，4，6，8，10 | 110V | 24.9kg |
| 50050-03-220 | | | 220V | 24.9kg |
| 50050-04-110 | PFHM-SER32 | 4，8，12，16，20 | 110V | 24.8kg |
| 50050-04-220 | | | 220V | 24.8kg |
| 50050-05-110 | PFHM-SER50 | 12，18，20，30，34 | 110V | 25.7kg |
| 50050-05-220 | | | 220V | 25.7kg |

# Punch Former

## 50060 PF350 Fine-tuning Type Punch Former



N.W. 8.2kg

## Features :

- PF350 Punch Former with fine-tuning function, also has stronger compact structure and longer durability.
- Suitable of application on surface grinding machine and EDM machines and capable of forming various shapes of punches.
- PF350 has through hole design for longer punch & ejector pins to be clamped in processing.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Improvement in dust-proof and water resistance.



- Precisely ground screw rod for fine-tuning of V-block movement.
- Two clamp plates on both side of V block helps the consistent movement.

V block is adjustable for calibration even when small workpiece is clamped.

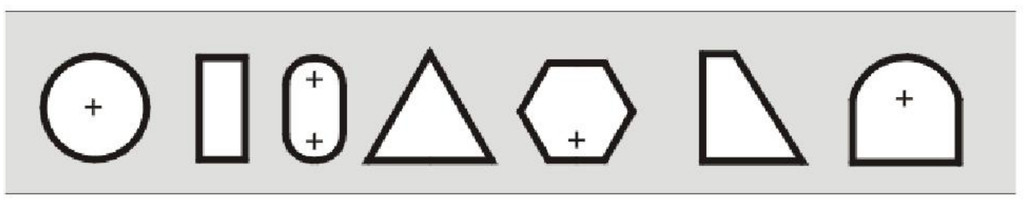
Release the screw when make adjustable and lock with slight force.

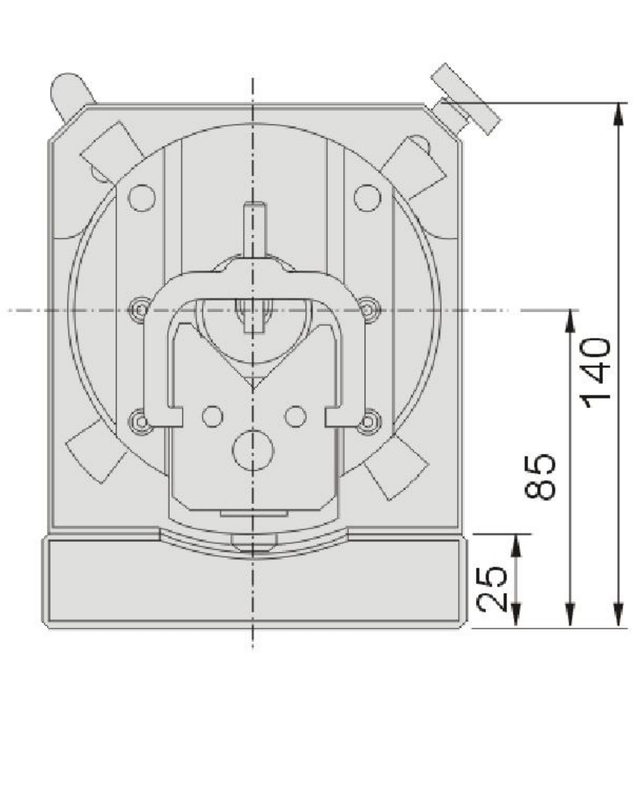


### Main parameters:

| | |
|---|---|
| Center height | 85±0.5mm |
| Clamping dia. range of V-block | ø 3~30mm |
| Travel of V-block | 25mm |
| Indexer tooth q'ty & accuracy | 24、15°±10" |
| Through hole diameters | ø 30mm |
| Clamping accuracy (50mm) | 0.005mm |

### Punch forming applications





# 50070 PF450 Fine-tuning Type Punch Former



N.W. 9.2kg

## Features :

- PF450 Punch Former with fine-tuning function, also has stronger compact structure and longer durability.
- Due to its vertical & horizontal adjustment function, it is specially suitable for oval punch grinding.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Improvement in dust-proof and water resistance.



- Stopper block for horizontal movement.
- Screw rod for V block vertical movement..
- Release the screw when make adjustable and lock with slight force.

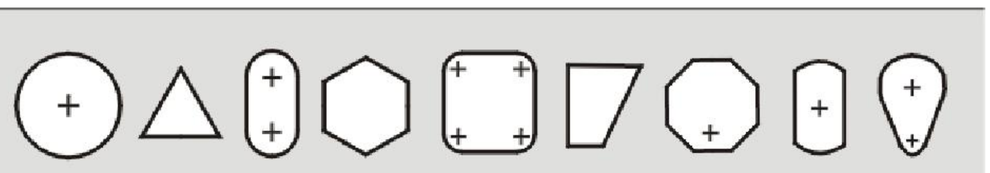
Precisely ground screw rod for fine-tuning of V-block movement.

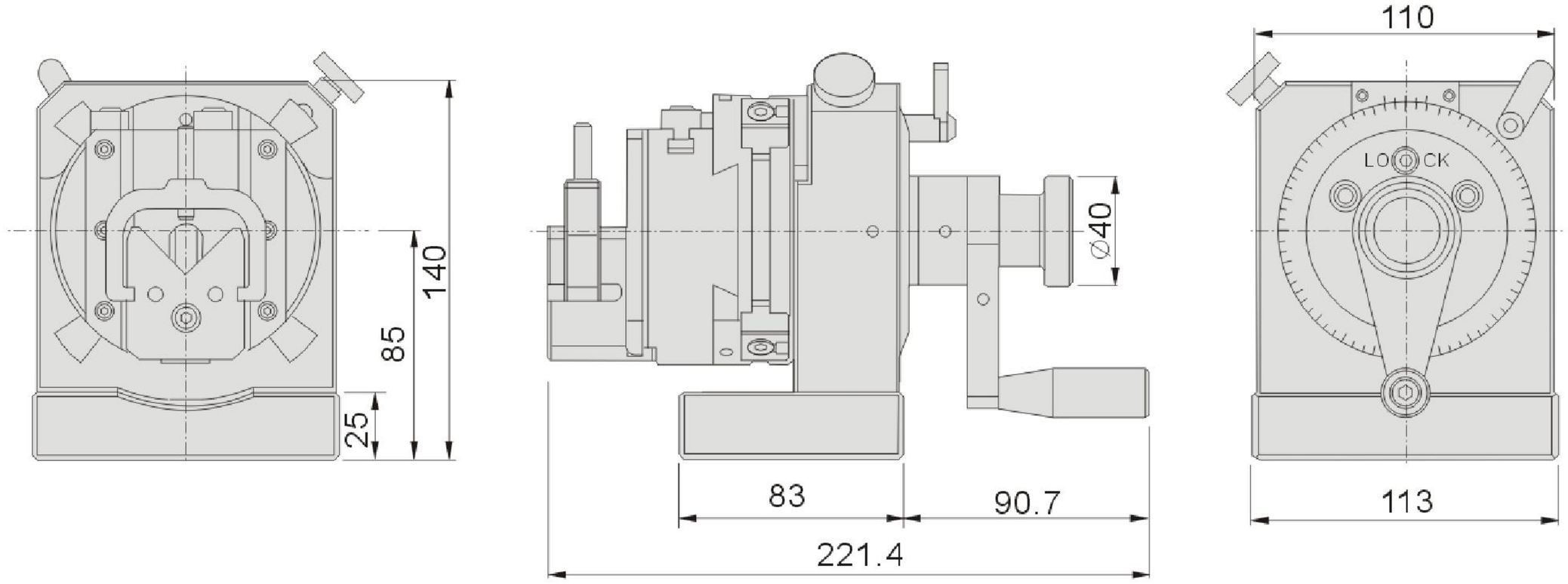


## Main parameters:

| | |
|---|---|
| Center height | 85±0.5mm |
| Clamping dia. range of V-block | ø3~30mm |
| Travel of V-block | 45mm |
| Slide plate horiztonal movement | ±18mm |
| Indexer tooth q'ty & accuracy | 24、15°±10" |
| Clamping accuracy (50mm) | 0.005mm |

### Punch Forming Applications



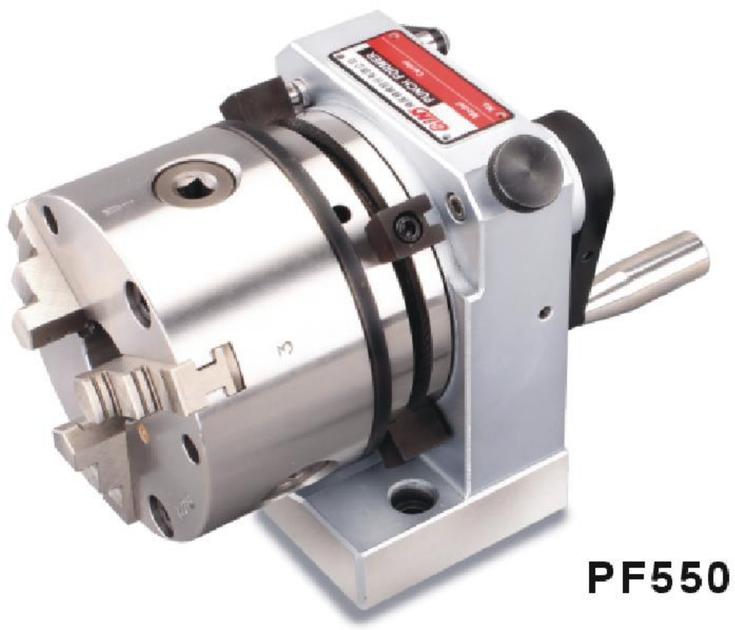


# 50080 PF550 3-Jaw Punch Former





PF550-SC40



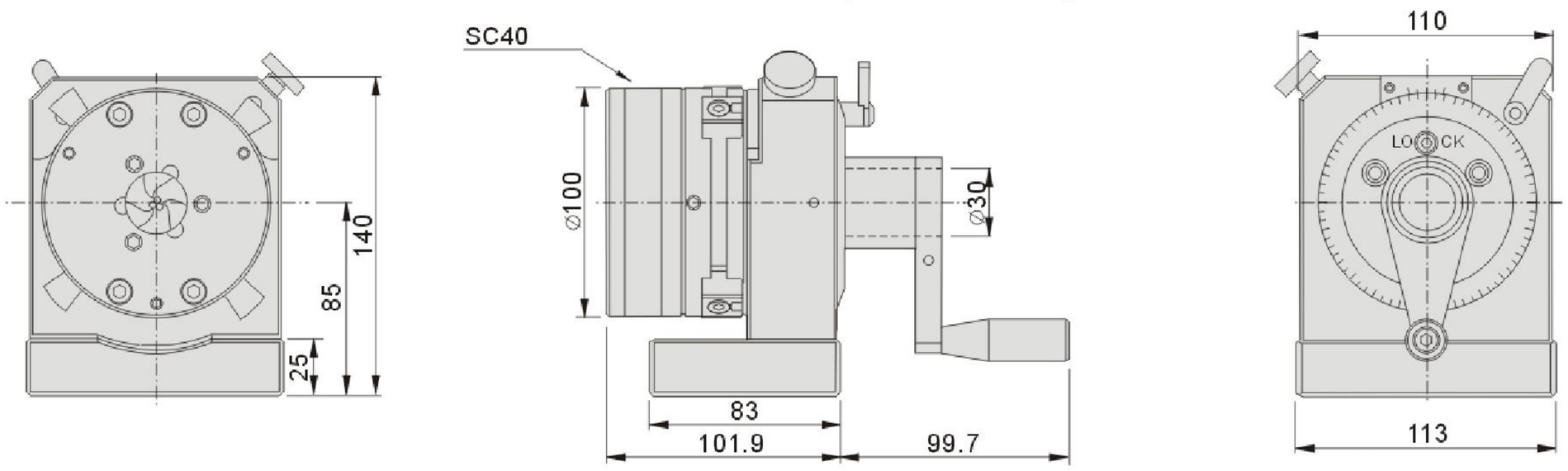
PF550-SC04

## Features :

- PF550-SC40 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Special designed SC40 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Torgue wrench is included for user-friendly purpose.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- PF550-SC04 Jaw attachment enable larger outer diameter workpiece to be clamped.

## Main parameters:

| | |
|---|---|
| Center height | 85±0.5mm |
| Indexer tooth q'ty & accuracy | 24、15°±10" |
| Sc40 3-Jaw Chuck | |
| Min. clamping range | ⌀1mm |
| Max. clamping range | 25mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.003mm |
| SC04 3-Jaw Chuck hole dia. | ⌀32mm |
| Min. clamping range | O.D.⌀3mm, I.D.⌀32mm |
| Max. clamping range | O.D.⌀3mm, I.D.⌀4mm |
| Repeat accuracy | 0.015mm |




| Order No. | Model | Chuck Spec. | N.W. |
|---|---|---|---|
| **50080-00** | PF550-SC40 | SC40 | 8.5kg |
| **50080-01** | PF550-SC04 | SC04 | 7.8kg |

# 50085 PF550M Precision Motor 3-Jaws Punch Former



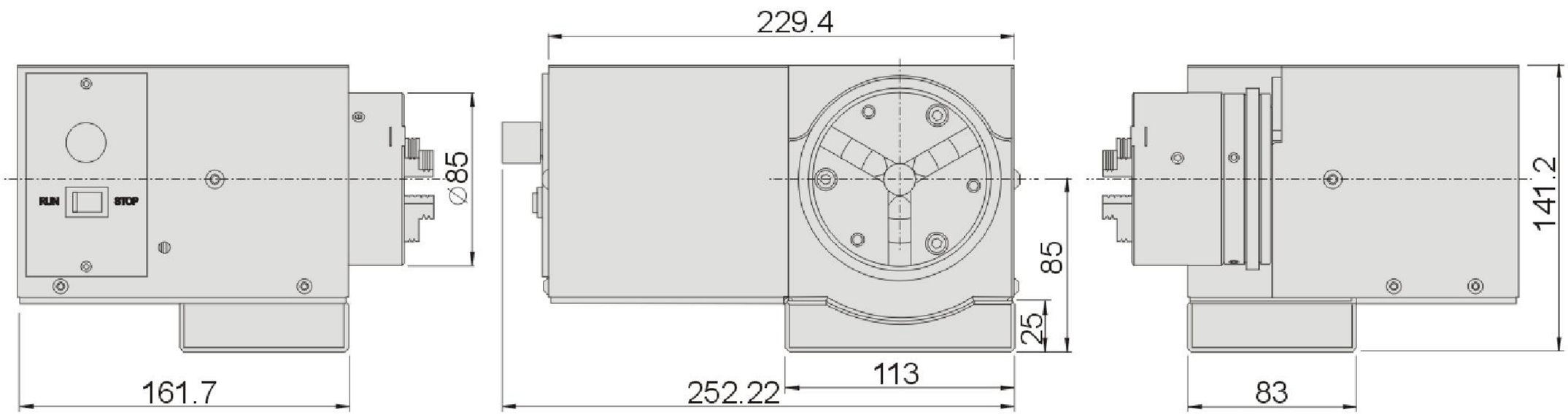


## Features :

- PF550M have stronger structure leading lasting durability.
- 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Due to accumulated tolerance when clamping different sizes of workpieces, special design in adjustment of horizontal and roundness for user own application.
- Jaw attachment can clamp workpeice with larger diameters.
- Motorised function prevent human fatigue when processing.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

**Main parameters:**

| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Through hole diameters | Ø 16mm |
| Hole dia. of 3-Jaw Chuck | Ø 16mm |
| Min. clamping range | O.D. Ø 2mm, I.D. Ø 24mm |
| Max. clamping range | O.D. Ø 2mm, I.D. Ø 64mm |
| Motor : 110V/60Hz | 50~550RPM |
| Motor : 220V/50Hz | 50~550RPM |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |

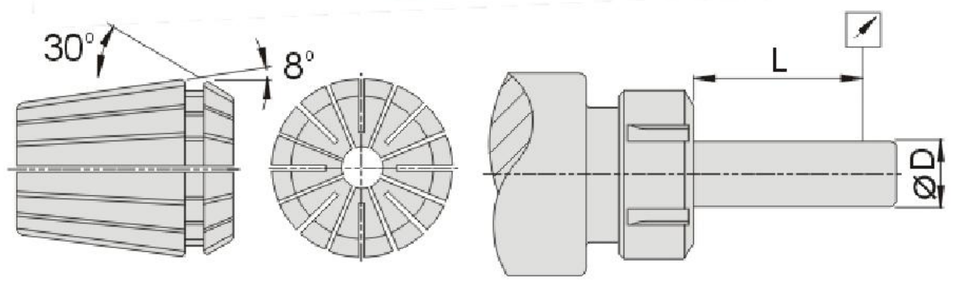



| Order No. | Model | Chuck Spec. | Voltage | N.W. |
|---|---|---|---|---|
| **50085-110** | PF550M | SC03 | 110V | 17kg |
| **50085-220** | | | 220V | 17kg |

# Punch Former

## 50090 PF650 ER Collet Punch Former





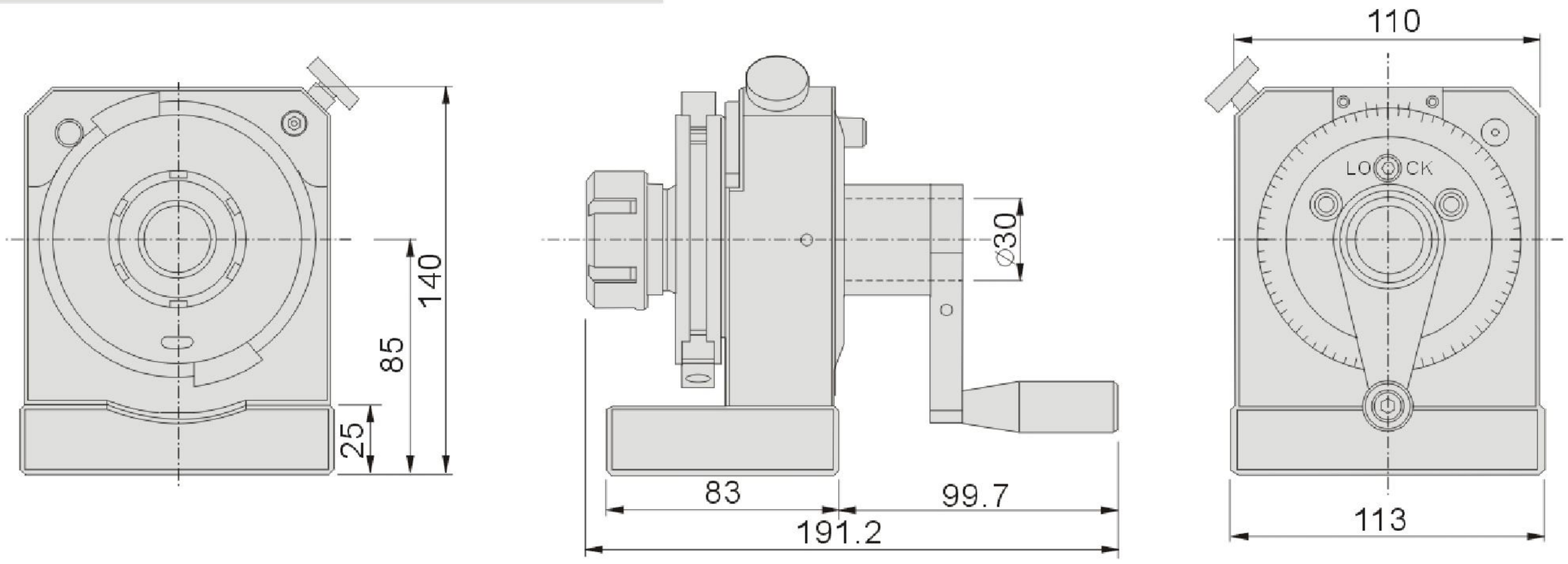

## Features :

- PF650 has stronger structure leading lasting durability.
- With ER collets, the flexible range of collet is 1mm.
- Capable collet clamping range: Min. ∅2mm, Max. ∅26mm
- PF650 can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is compatible with various ER collets such as ER20, ER32, ER40 etc...

**Main parameters:**

Center height ····· 85 ± 0.5mm
Indexer tooth q'ty & accuracy ····· 24、15° ± 10"
Through hole diameters ····· ∅30mm
Rotational accuracy ····· 0.003mm

| L | D | Accuracy |
|---|---|---|
| 6 | 1.0-1.6 | 0.01 |
| 10 | 1.6-3.0 | 0.01 |
| 16 | 3.0-7.0 | 0.01 |
| 25 | 7.0-10.0 | 0.01 |
| 40 | 10.0-18.0 | 0.01 |
| 50 | 18.0-24.0 | 0.01 |
| 60 | 24.0-34.0 | 0.01 |




| Order No. | Model | ER Collet spec. | N.W. |
|---|---|---|---|
| **50090-01** | PF650-SER20 | 3，4，6，8，10 | 5.5kg |
| **50090-02** | PF650-SER32 | 4，8，12，16，20 | 6.5kg |
| **50090-03** | PF650-SER40 | 6，10，16，20，25， | 6.6kg |

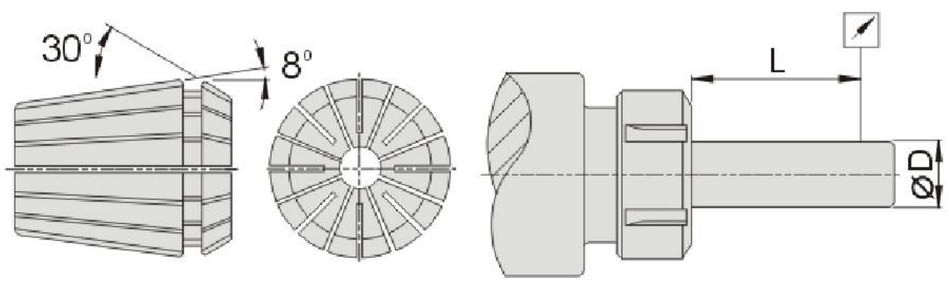
# 50095 PF650M Precision Motor ER Collet Punch Former





## Features :

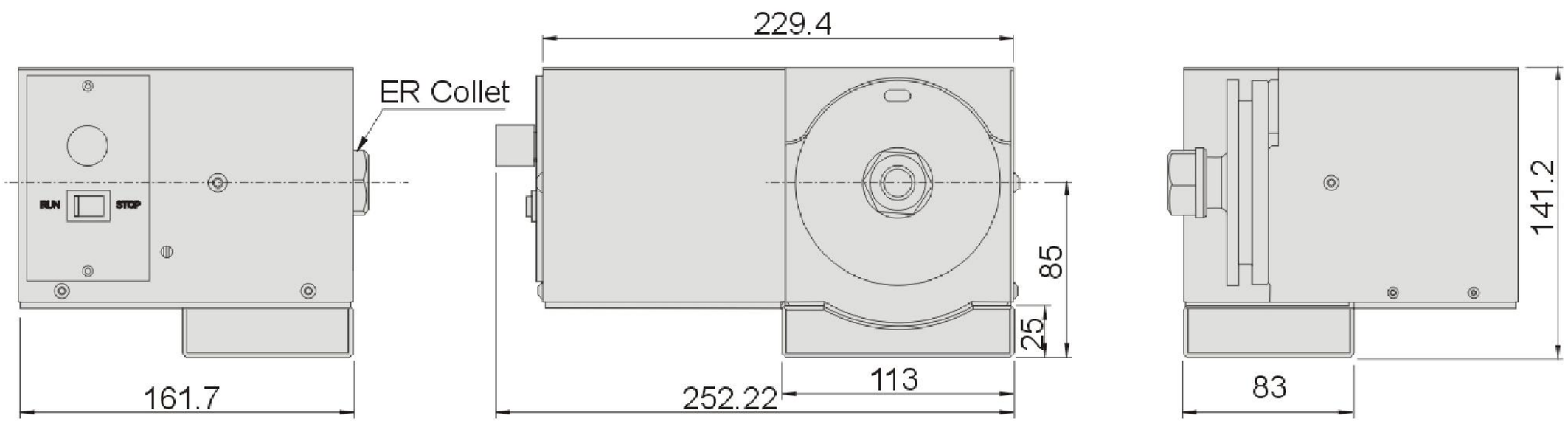
- PF650M has stronger structure leading lasting durability.
- Motorised function prevent human fatigue when processing.
- With ER collets, the flexible range of collet is 1mm.
- Capable collet clamping range: Min.∅2mm, Max. ∅ 26mm
- PF650 can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is compatible with various ER collets such as ER20, ER32, ER40 etc...




| L | D | Accuracy |
|---|---|---|
| 6 | 1.0-1.6 | 0.01 |
| 10 | 1.6-3.0 | 0.01 |
| 16 | 3.0-7.0 | 0.01 |
| 25 | 7.0-10.0 | 0.01 |
| 40 | 10.0-18.0 | 0.01 |
| 50 | 18.0-24.0 | 0.01 |
| 60 | 24.0-34.0 | 0.01 |

## Main parameters:

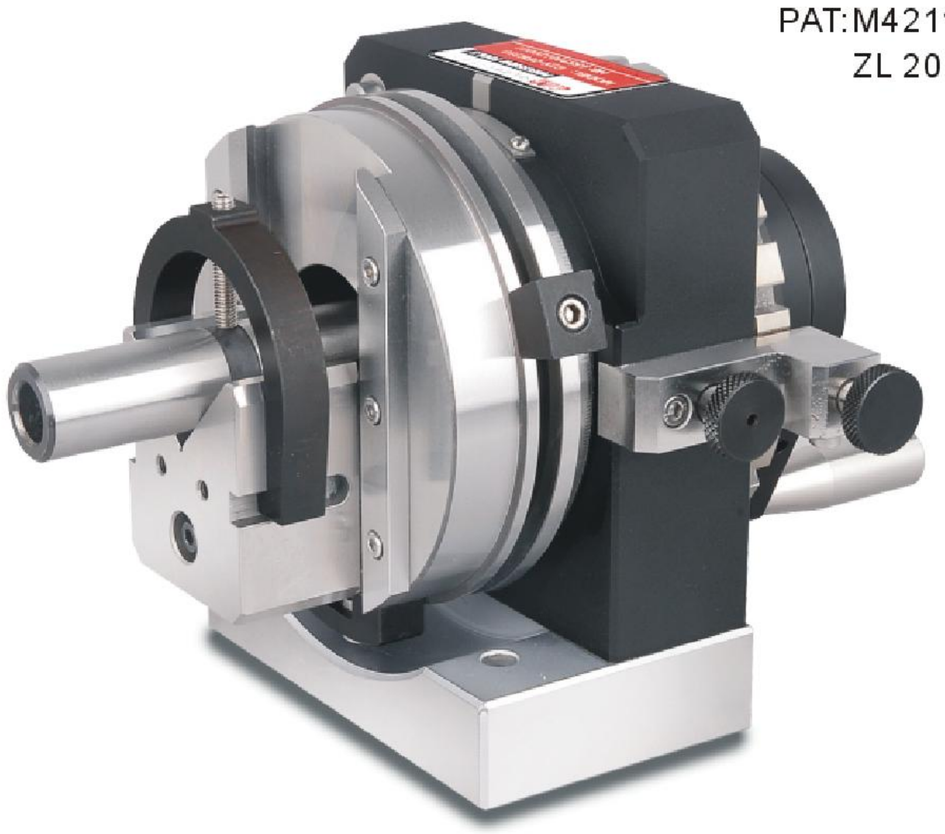
Center height ····· 85 ± 0.5mm
Motor : 110V/60Hz ····· 50~550RPM
Motor : 220V/50Hz ····· 50~550RPM
Rotational accuracy ····· 0.003mm




| Order No. | Model | ER Collet spec. | Voltage | N.W. |
|---|---|---|---|---|
| **50095-01-110** | PF650M-SER20 | 3, 4, 6, 8, 10 | 110V | 17kg |
| **50095-01-220** | | | 220V | 17kg |
| **50095-02-110** | PF650M-SER32 | 4, 8, 12, 16, 20 | 110V | 18kg |
| **50095-02-220** | | | 220V | 18kg |
| **50095-03-110** | PF650M-SER40 | 6, 10, 16, 20, 25 | 110V | 19kg |
| **50095-03-220** | | | 220V | 19kg |

# Punch Former

## 50300 PFH240 Precision Punch Former（Medium Type）



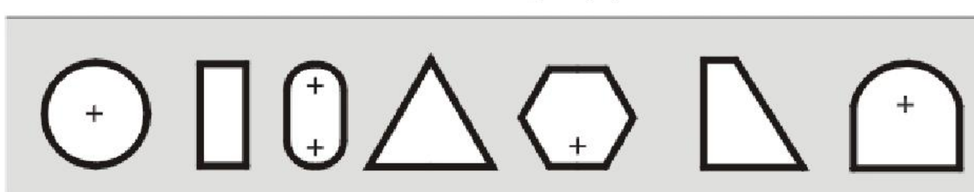
PAT:M421169
ZL 2010 2 0190858.6

N.W. 13.0kg



- Precisely ground screw rod for fine-tuning of V-block vertical movement.
- Two clamp plates on both side of V block helps the consistent movement.

### Punch forming applications

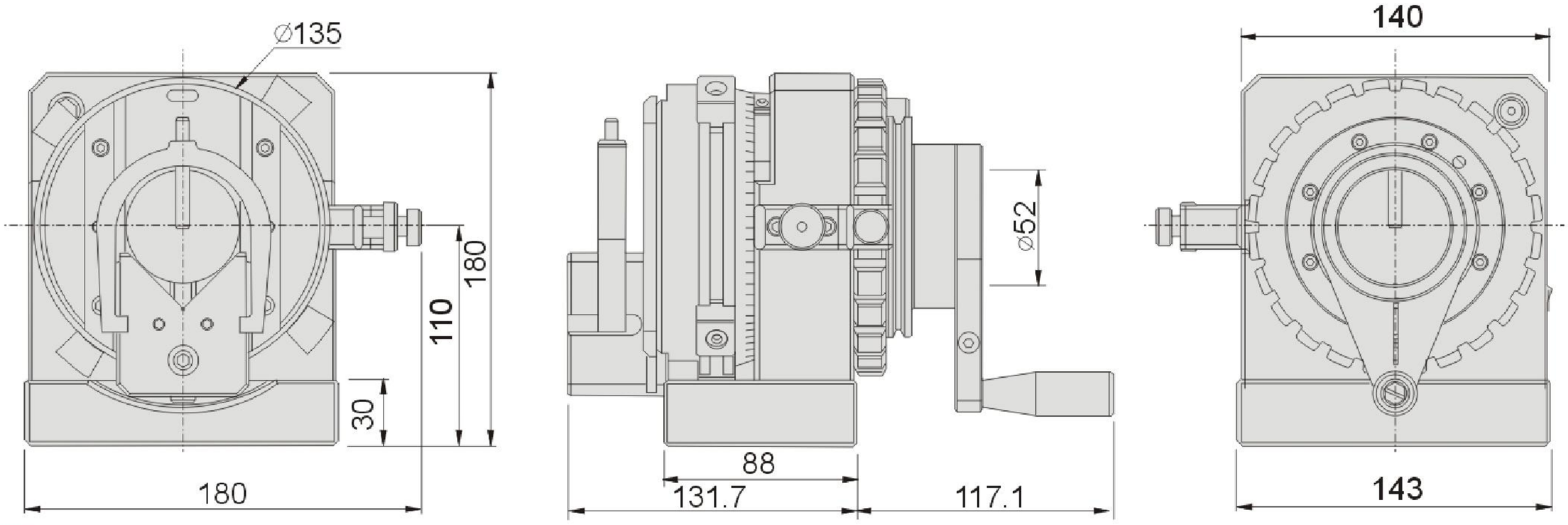


## Features :

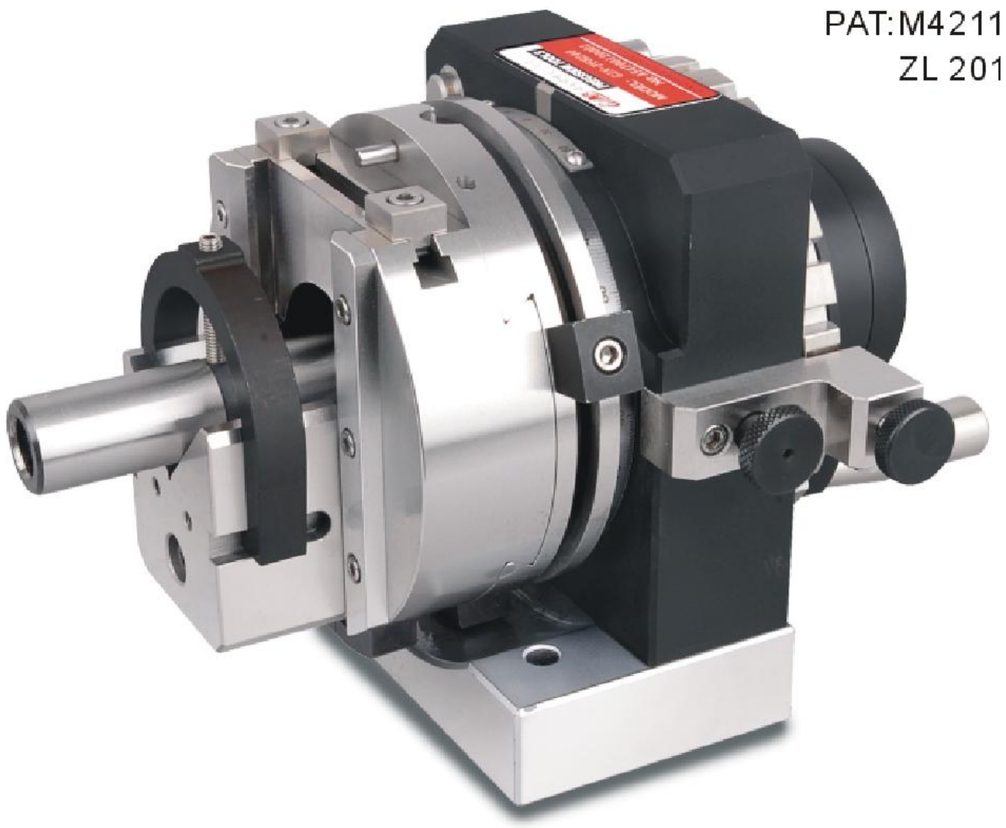
- PFH240 Precision Punch Former have stronger compact structure and long lasting durability.
- Suitable of application on surface grinding machine and EDM machines and capable of forming various shapes of punches.
- PFH240 has through hole design for longer punch & ejector pins to be clamped in processing.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Improvement in dust-proof and water resistance.

### Main parameters:

| | |
|---|---|
| Center height | 110±0.5mm |
| Clamping dia. range of V-block | ø5~50mm |
| Travel of V-block | 34mm |
| Indexer tooth q'ty & accuracy | 24、15°±5" |
| Through hole diameters | ø52mm |
| Clamping accuracy (50mm) | 0.005mm |



# 50350 PFH280 Precision Punch Former（Medium Type）



PAT:M421169
ZL 2010 2 0190858.6

N.W. 14.7kg



Stopper block for horizontal movement..

Two clamp plates on both side of V block helps the consistent movement.



Precisely ground screw rod for fine-tuning of V-block vertical movement.

**Punch forming applications**

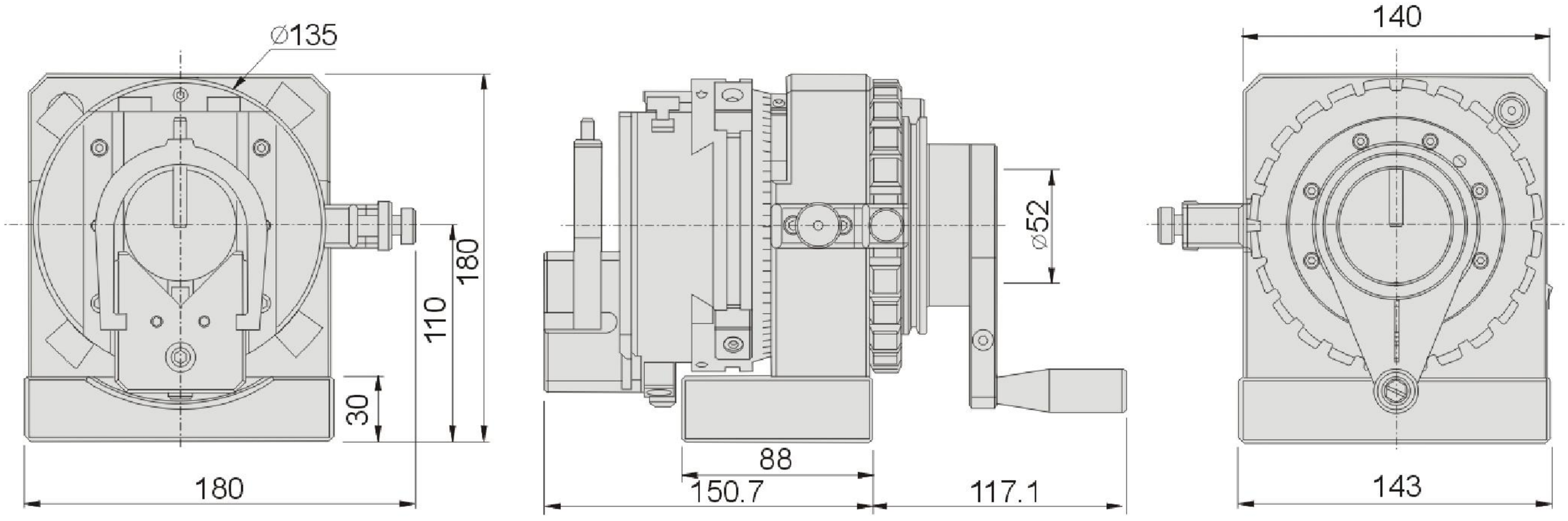


## Features :

- PFH280 Precision Punch Former have stronger compact structure and long lasting durability.
- Suitable of application on surface grinding machine and EDM machines and capable of forming various shapes of punches.
- Due to its vertical & horizontal adjustment function, it is specially suitable for oval punch grinding.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.
- Adopting high precision double bearings in it's structure to achieve higher accuracy, rigidity and stability.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Improvement in dust-proof and water resistance.

## Main parameters:

| | |
|---|---|
| Center height | 110±0.5mm |
| Clamping dia. range of V-block | ⌀5~50mm |
| Travel of V-block | 36mm |
| Indexer tooth q'ty & accuracy | 24、15°±5" |
| Through hole diameters | 0.005mm |
| Clamping accuracy (50mm) | ±25mm |



# 50500 PFH300 Precision Punch Former（Big Type）





N.W. 23.5kg

PAT:M421169
ZL 2010 2 0190858.6

## Features :

- PFH300 Precision Punch Former have stronger compact structure and long lasting durability.
- Suitable of application on surface grinding machine and EDM machines and capable of forming various shapes of punches.
- PFH300 has through hole design for longer punch & ejector pins to be clamped in processing.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Improvement in dust-proof and water resistance.

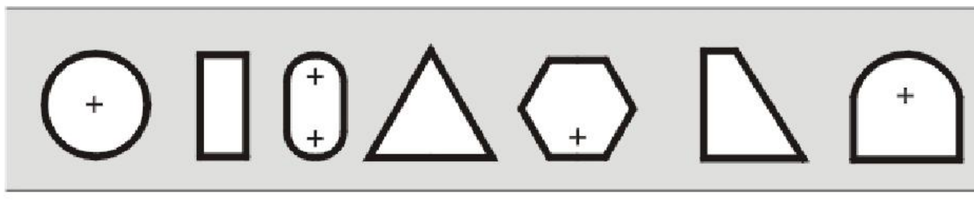


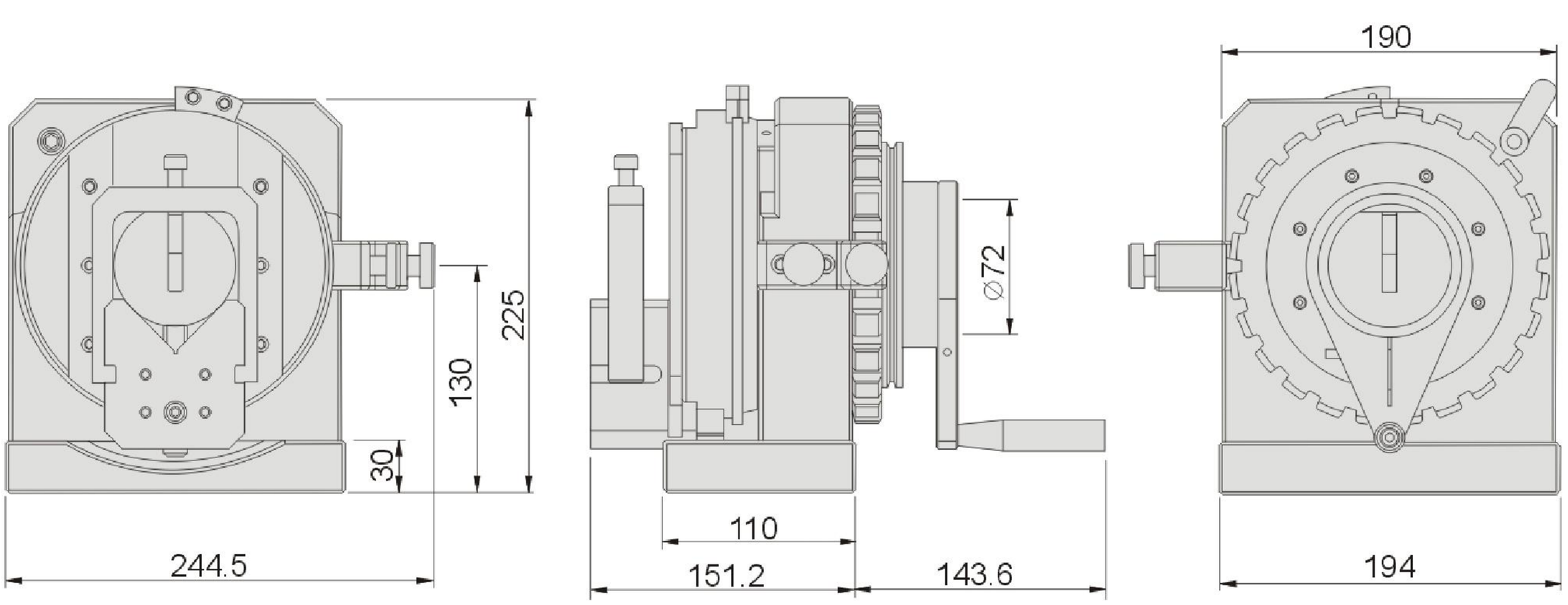
- Precisely ground screw rod for fine-tuning of V-block vertical movement.
- Two clamp plates on both side of V block helps the consistent movement.

## Main parameters:

| | |
|---|---|
| Center height | 130 ± 0.5mm |
| Clamping dia. range of V-block | ⌀ 3~69.5mm |
| Travel of V-block | 48mm |
| Indexer tooth q'ty & accuracy | 24、15° ±5" |
| Through hole diameters | ⌀ 72mm |
| Clamping accuracy (50mm) | 0.005mm |

**Punch forming applications**





# 50550 PFH500 Precision Punch Former（Big Type）





PAT:M421169
ZL 2010 2 0190858.6

N.W. 27kg



- Stopper block for horizontal movement.
- Screw rod for V block vertical movement..
- Release the screw when make adjustable and lock with slight force.



Precisely ground screw rod for fine-tuning of V-block movement.

**Punch forming applications**

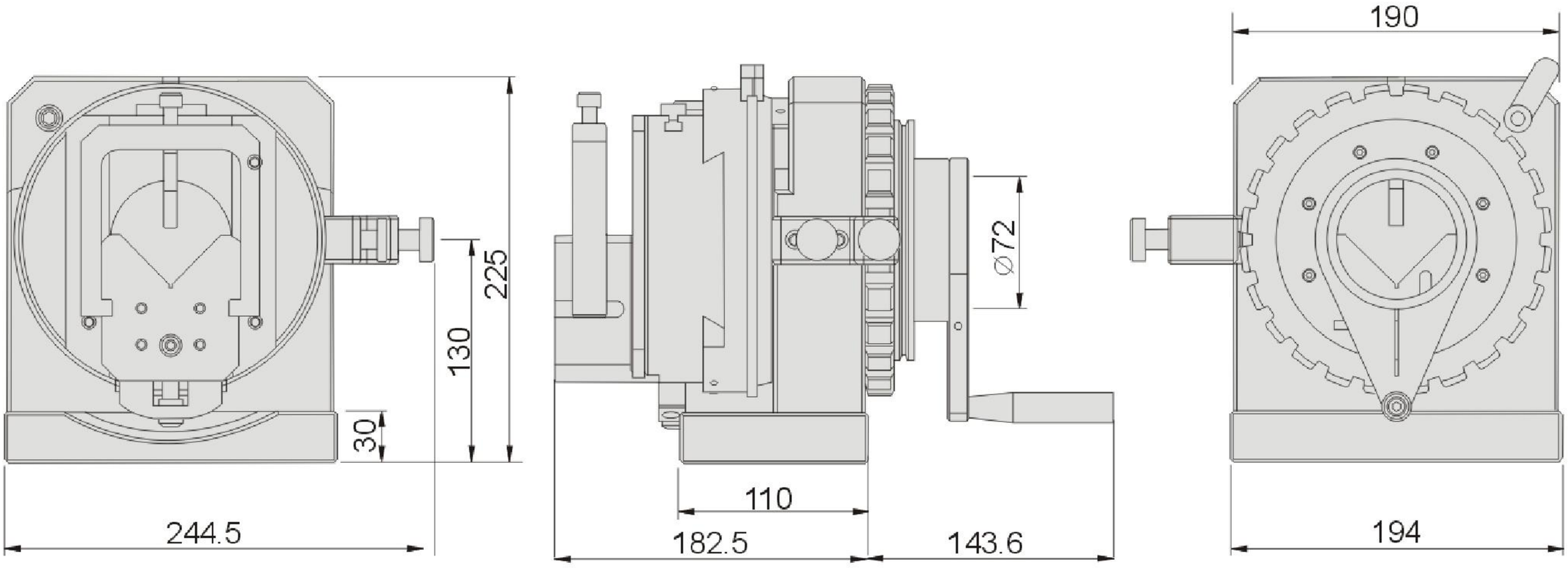


## Features :

- PFH500 Precision Punch Former have stronger compact structure and long lasting durability.
- Suitable of application on surface grinding machine and EDM machines and capable of forming various shapes of punches.
- Due to its vertical & horizontal adjustment function, it is specially suitable for oval punch grinding.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- Stopper design in position slot and easier for precisely stabilize polygonal punches.
- Improvement in dust-proof and water resistance.

## Main parameters:

| | |
|---|---|
| Center height | 130±0.5mm |
| Clamping dia. range of V-block | ø 3~69.5mm |
| Travel of V-block | 48mm |
| Indexer tooth q'ty & accuracy | 24、15°±5" |
| Through hole diameters | 0.005mm |
| Clamping accuracy (50mm) | ±30mm |



# 50600 PFH600 Precision 3-Jaws Punch Former（Big Type）



PAT:M421169
ZL 2010 2 0190858.6



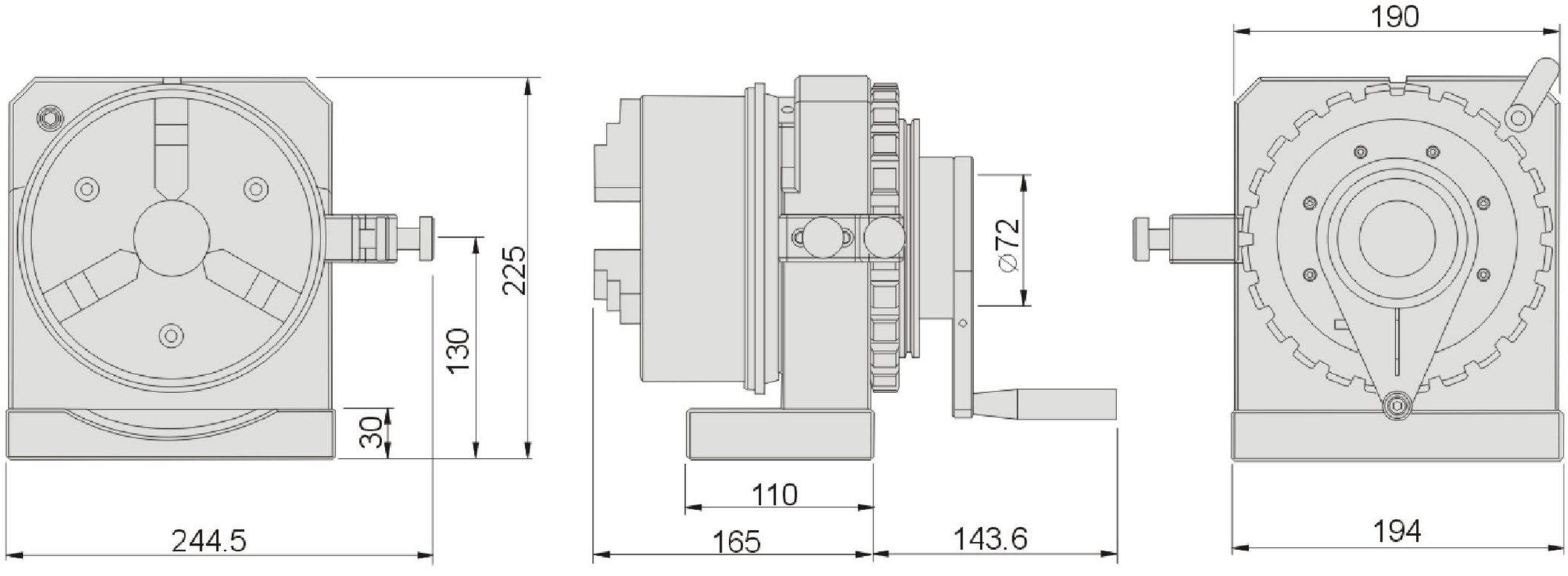
N.W. 27kg

## Features :

- PFH600 have stronger structure leading lasting durability.
- PFH600 provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Due to accumulated tolerance when clamping different sizes of workpieces, special design in adjustment of horizontal and roundness for user own application.
- Further jaw attachment can clamp workpeice with larger diameters.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

## Main parameters:

| | |
|---|---|
| Center height | 130 ± 0.5mm |
| Indexer tooth q'ty & accuracy | 24、15° ± 5" |
| Through hole diameters | ø 45mm |
| Hole dia. of 3-Jaw Chuck | ø 45mm |
| Min. clamping range | O.D. ø 4mm, I.D. ø 48mm |
| Max. clamping range | O.D. ø 160mm, I.D. ø 150mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |



# 50650 PFH600M Precision Motor 3-Jaws Punch Former



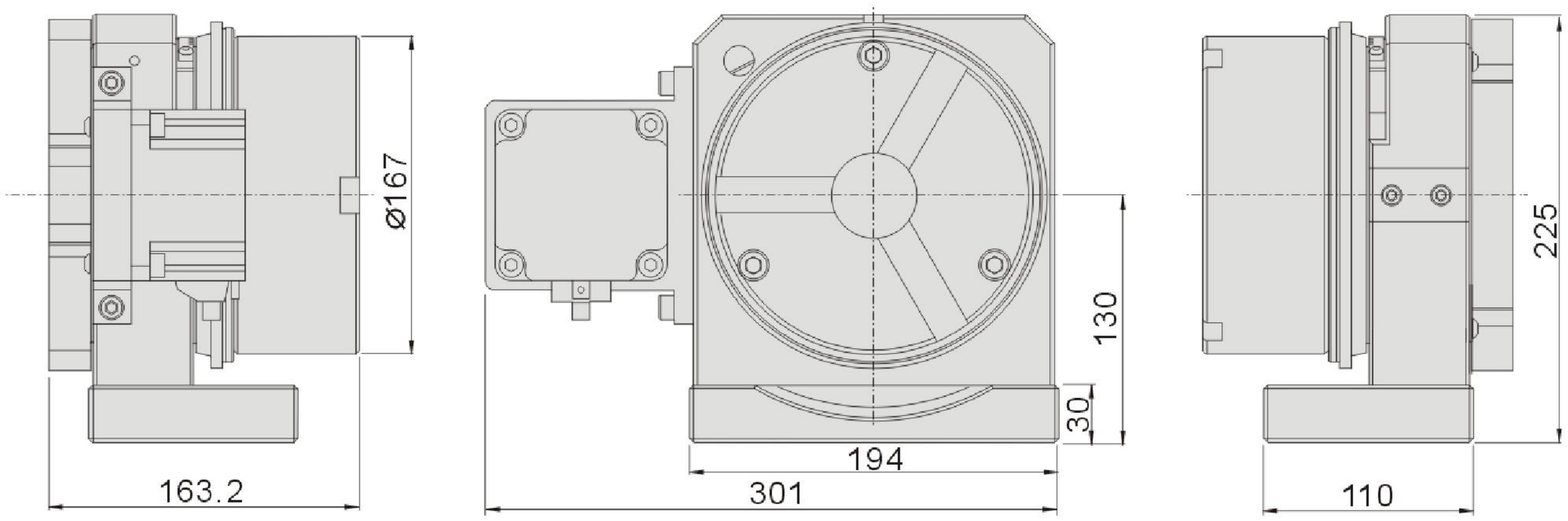


## Features :

- PFH600M have stronger structure leading lasting durability.
- Motorised function prevent human fatigue when processing.
- PFH600M provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Due to accumulated tolerance when clamping different sizes of workpieces, special design in adjustment of horizontal and roundness for user own application.
- Further jaw attachment can clamp workpeice with larger diameters.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

### Main parameters:

Center height ····· 130 ± 0.5mm
Indexer tooth q'ty & accuracy ····· 24、15° ± 5"
Through hole diameters ····· Ø 45mm
Hole dia. of 3-Jaw Chuck ····· Ø 45mm
Min. clamping range O.D. Ø 4mm, I.D. Ø 48mm
Max. clamping range O.D. Ø 160mm, I.D Ø 150mm
Motor : 110V/60Hz ····· 50~550RPM
Motor : 220V/50Hz ····· 50~550RPM
Rotational accuracy ····· 0.003mm
3-Jaw chuck clamping repeat accuracy ·· 0.015mm




| Order No. | Model | Chuck Spec. | Voltage | N.W. |
|---|---|---|---|---|
| **50650-110** | PFH600M | SC06 | 110V | 30kg |
| **50650-220** | | | 220V | 30kg |

# Center Punch Former

## 50700 GPFE Center Punch Former

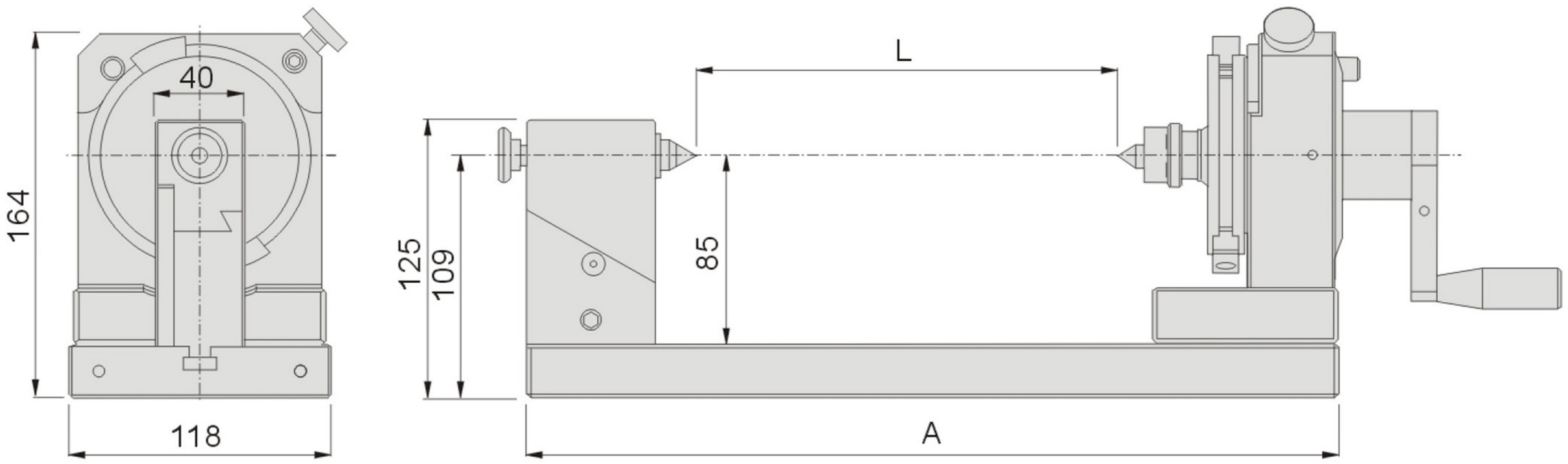


### Features :

- Center Punch Former apply Live Center at both sides to clamp punch to achieve concentricity.
- Live center stabilize the processing and achieve higher accuracy.
- It is mainly apply on bushes and cylinder which needs precision cylindrical grinding on surface grinding machines.

### Main parameters:

Center height without base ····· 85mm
Center height with base ····· 109mm
Indexer tooth quantity & accuracy ····· 24、15°±10"
Live Center clamping range ····· 0~450mm
Material ····· SKS3, HRC60~62°
Roundness ····· 0.002mm
Parallelism ····· 0.002mm/100mm
Squareness ····· 0.002mm/100mm

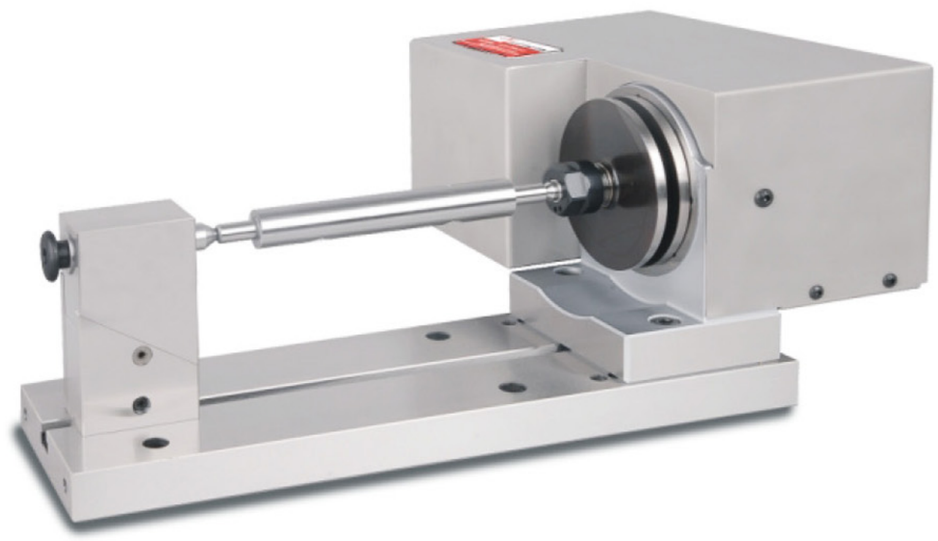



Unit:mm

| Order No. | Model | A | L | Rotary Angle | N.W. |
|---|---|---|---|---|---|
| **50700-15** | GPFE150 | 375 | 0~150 | 360° | 20kg |
| **50700-25** | GPFE250 | 475 | 0~250 | | 23kg |
| **50700-35** | GPFE350 | 575 | 0~350 | | 26kg |
| **50700-45** | GPFE450 | 675 | 0~450 | | 29.5kg |

# 50750 GPFEM Motor Center Punch Former



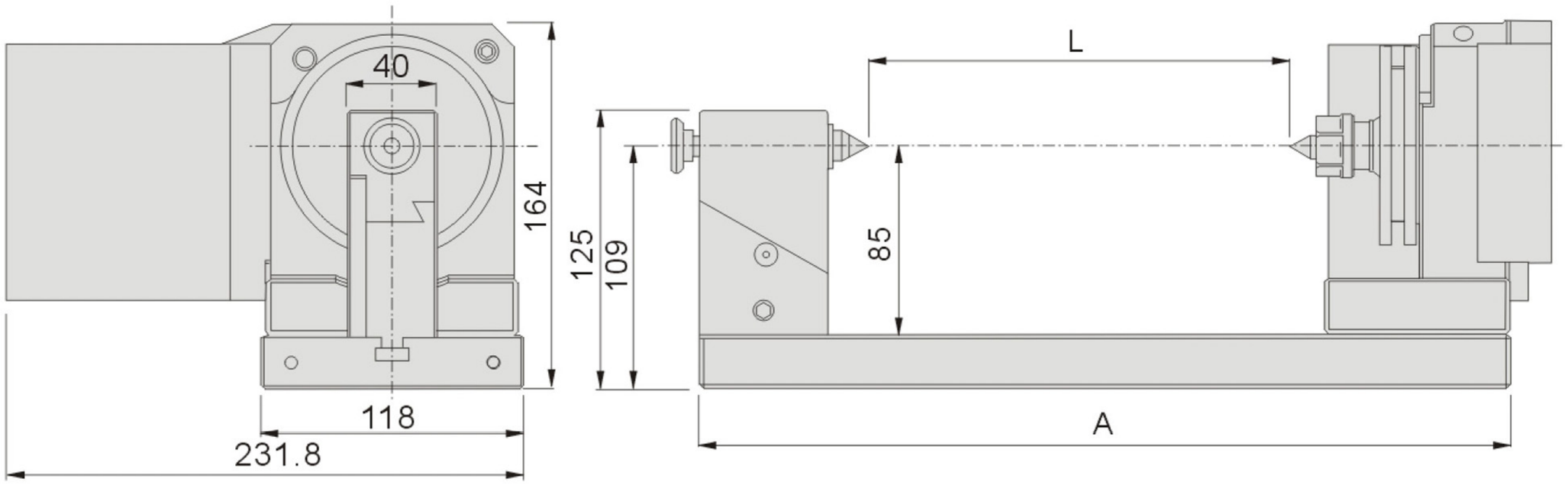


## Features :

- Center Punch Former apply Live Center at both sides to clamp punch to achieve concentricity.
- Motorised function prevent human fatigue when processing.
- Live center stabilize the processing and achieve higher accuracy.
- It is mainly apply on bushes and cylinder which needs precision cylindrical grinding on surface grinding machines.

## Main parameters:

| | |
|---|---|
| Center height without base | 85mm |
| Center height with base | 109mm |
| Clamping range | 0~450mm |
| Motor output, Voltage | 15W, IPH, 110/220V |
| Motor speed | 50/60HZ50~550RPM |
| Material of Punch Former | SKS3, HRC60~62° |
| Roundness | 0.002mm |
| Parallelism | 0.002mm/100mm |
| Squareness | 0.002mm/100mm |




Unit:mm

| Order No. | Model | A | L | Rotary Angle | N.W. |
|---|---|---|---|---|---|
| 50750-15-110 | GPFE150M | 375 | 0~150 | 360° | 23kg |
| 50750-15-220 | | | | | |
| 50750-25-110 | GPFE250M | 475 | 0~250 | | 26kg |
| 50750-25-220 | | | | | |
| 50750-35-110 | GPFE350M | 575 | 0~350 | | 29kg |
| 50750-35-220 | | | | | |
| 50750-45-110 | GPFE450M | 675 | 0~450 | | 32.5kg |
| 50750-45-220 | | | | | |

# Center Punch Former

## 50800 GPFC 3-Jaws Center Punch Former

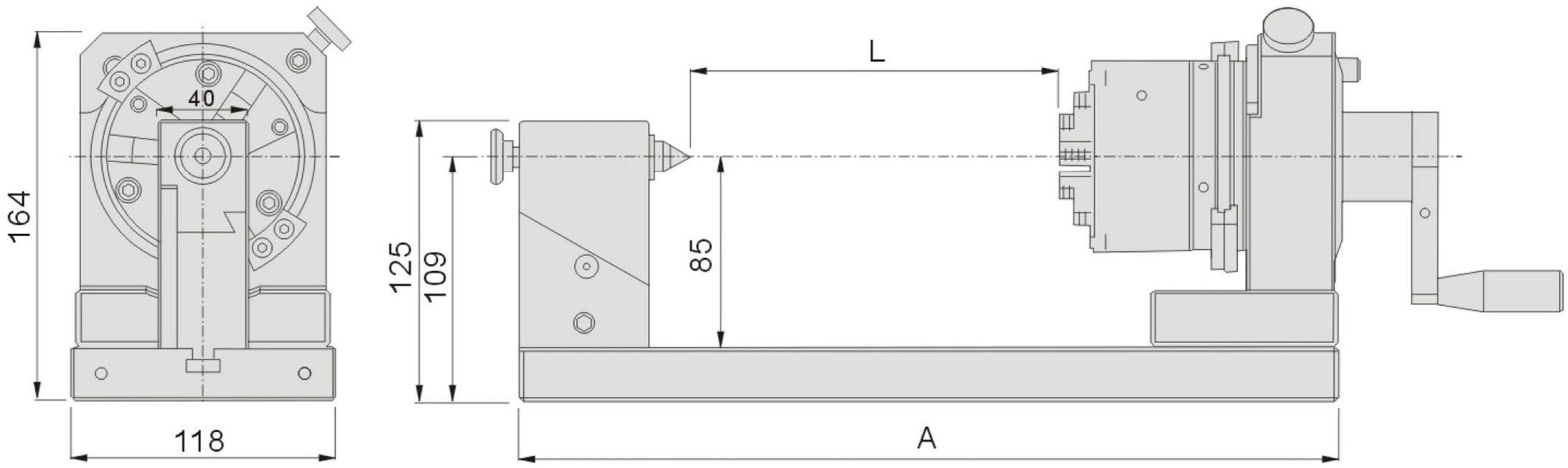


## Features :

- 3-Jaw Center Punch Former apply 3-Jaw Chuck to clamping workpieces with rapid and easy loading process.
- It is capable of grinding long punches which cannot be processing by conventional Punch Formers.
- Live center stabilize the processing and achieve higher accuracy.
- It is mainly apply on bushes and cylinder which needs precision cylindrical grinding on surface grinding machines.

### Main parameters:

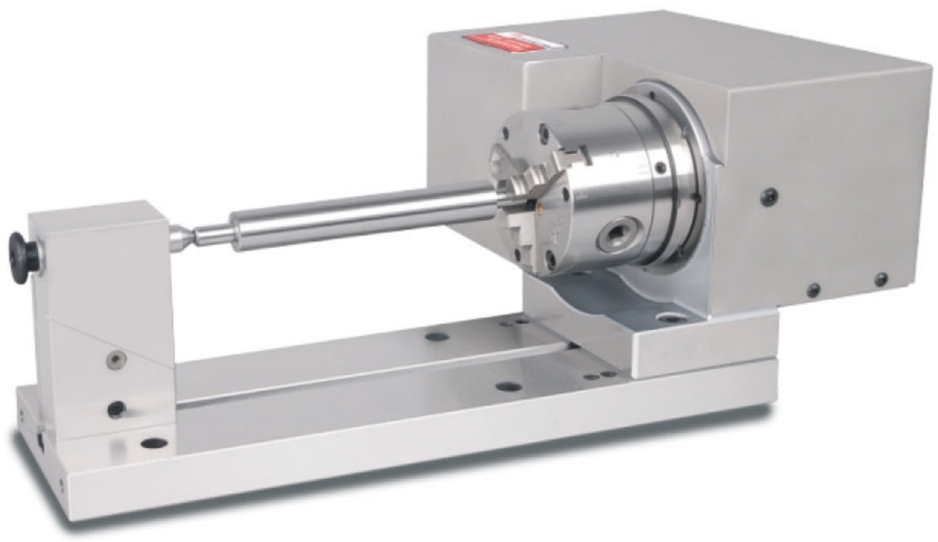
Center height without base ····· 85mm
Center height with base ····· 109mm
Indexer tooth quantity & accuracy ····· 24、15°±10"
Live Center clamping range ····· 0~450mm
Material of Punch Former ····· SKS3, HRC60~62°
Hole dia. of 3-Jaw Chuck ····· ø16mm
Diameter of 3-Jaw Chuck ····· ø85mm
Clamping range of 3-Jaw Chuck ····· ø1~82mm
Material of 3-Jaw Chuck ····· Meehanite
Roundness ····· 0.002mm
Parallelism ····· 0.002mm/100mm
Squareness ····· 0.002mm/100mm




Unit:mm

| Order No. | Model | O.D. Range | I.D. Range | A | L | Rotary Angle | N.W. |
|---|---|---|---|---|---|---|---|
| **50800-15** | GPFC150 | ø2~70 | ø24~64 | 375 | 0~150 | 360° | 20kg |
| **50800-25** | GPFC250 | | | 475 | 0~250 | | 23kg |
| **50800-35** | GPFC350 | | | 575 | 0~350 | | 26kg |
| **50800-45** | GPFC450 | | | 675 | 0~450 | | 29.5kg |

# 50850 GPFCM Motor 3-Jaws Center Punch Former

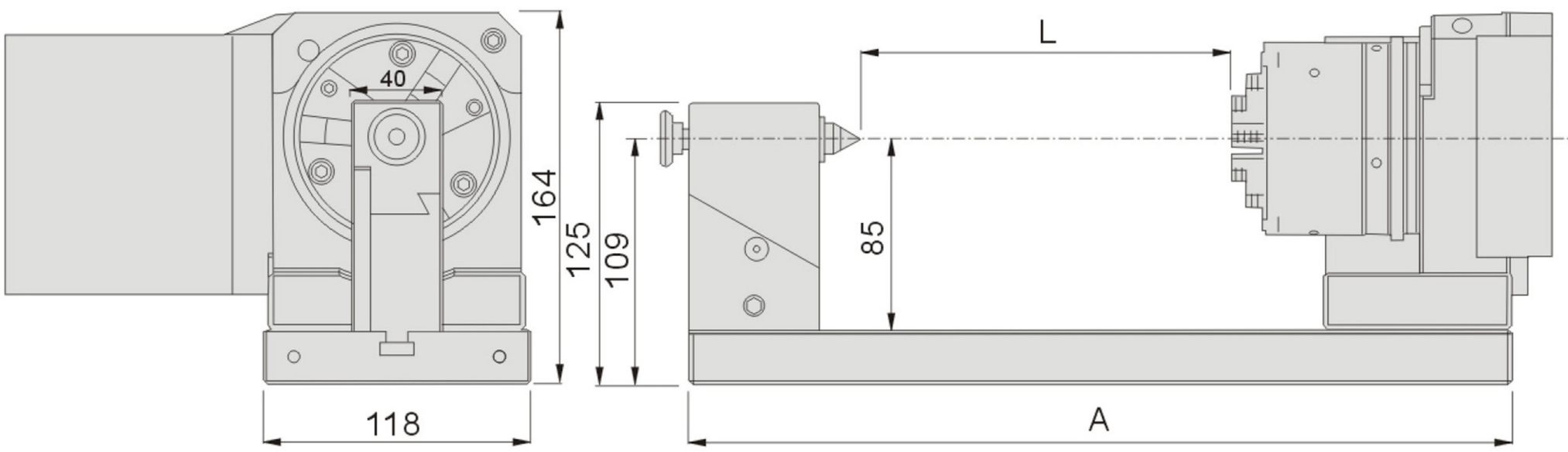


## Features :

- 3-Jaw Center Punch Former apply 3-Jaw Chuck to clamping workpieces with rapid and easy loading process.
- Motorised function prevent human fatigue when processing.
- Live center stabilize the processing and achieve higher accuracy.
- It is mainly apply on bushes and cylinder which needs precision cylindrical grinding on surface grinding machines.

## Main parameters:

Center height without base ..... 85mm
Center height with base ..... 109mm
Motor output, Voltage15W ..... 110/220V
Motor speed ..... 50/60HZ 50~550RPM
Indexer tooth quantity & accuracy ... SKS3, HRC60~62°
Live Center clamping range ..... **0~450mm**
Hole dia. of 3-Jaw Chuck ..... Ø16mm
Diameter of 3-Jaw Chuck ..... 60mm
Clamping range of 3-Jaw Chuck ..... Ø1~82mm
Material of 3-Jaw Chuck ..... Meehanite
Roundness ..... 0.002mm
Parallelism ..... 0.002mm/100mm
Squareness ..... 0.002mm/100mm




Unit:mm

| Order No. | Model | O.D. Range | I.D. Range | A | L | Rotary Angle | N.W. |
|---|---|---|---|---|---|---|---|
| **50850-15-110** | GPFC150M | Ø2~70 | Ø24~64 | 375 | 0~150 | 360° | 23kg |
| **50850-15-220** | | | | | | | |
| **50850-25-110** | GPFC250M | | | 475 | 0~250 | | 26kg |
| **50850-25-220** | | | | | | | |
| **50850-35-110** | GPFC350M | | | 575 | 0~350 | | 29kg |
| **50850-35-220** | | | | | | | |
| **50850-45-110** | GPFC450M | | | 675 | 0~450 | | 32.5kg |
| **50850-45-220** | | | | | | | |

# Punch Former

## 51000 PF300 Punch Former(big)



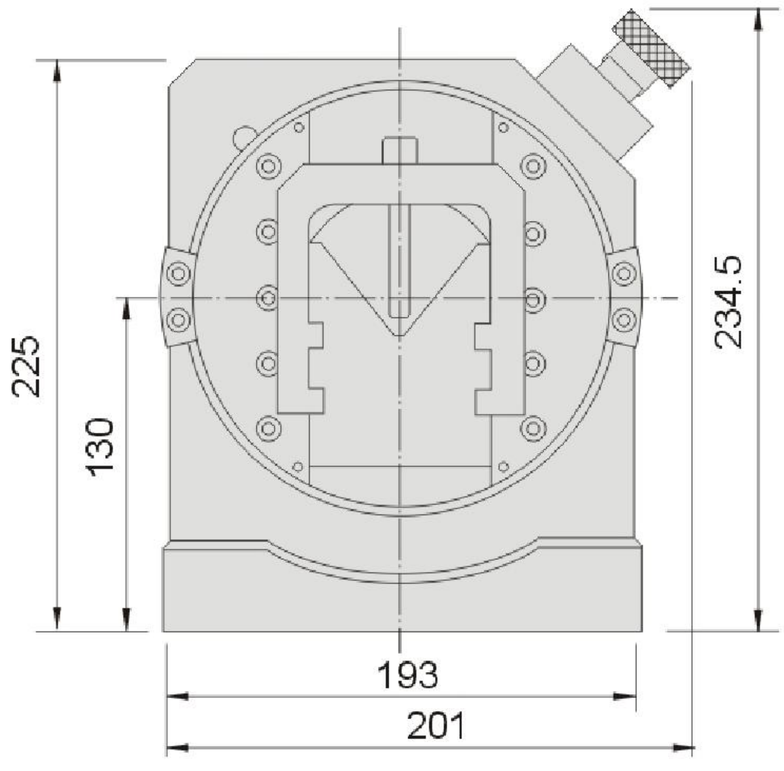
N.W. 21.3kg

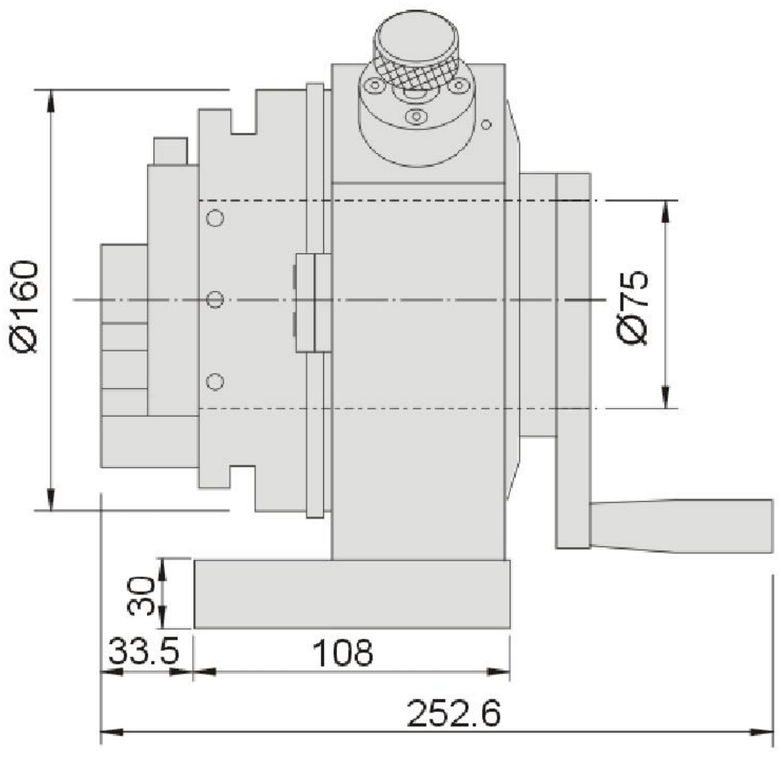
## Features :

- PF300 Punch Former is special designed for larger punch under ∅70.
- Suitable of forming various shapes of punches.
- PF300 has through hole design for longer punch & ejector pins to be clamped in processing.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.

### Main parameters:

| | |
|---|---|
| Center height | 130mm |
| Clamping dia. range of V-block | ∅70mm |
| Travel of V-block | 60mm |
| Indexer tooth q'ty & accuracy | 0.008mm |
| Through hole diameters | 24、15°±10" |
| Clamping accuracy (50mm) | ∅75mm |



# 51050 PF500 Punch Former(big)



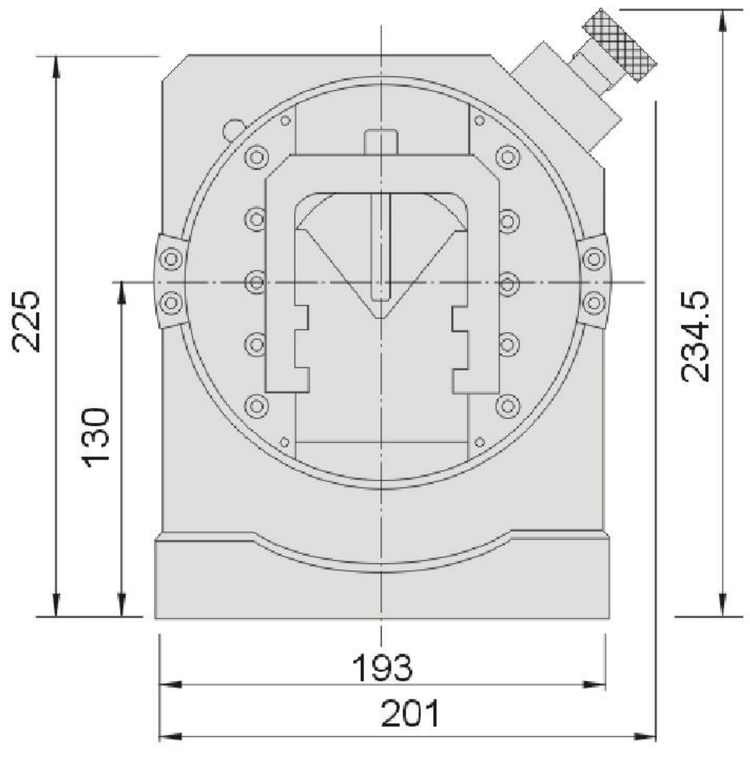
N.W. 23.3kg

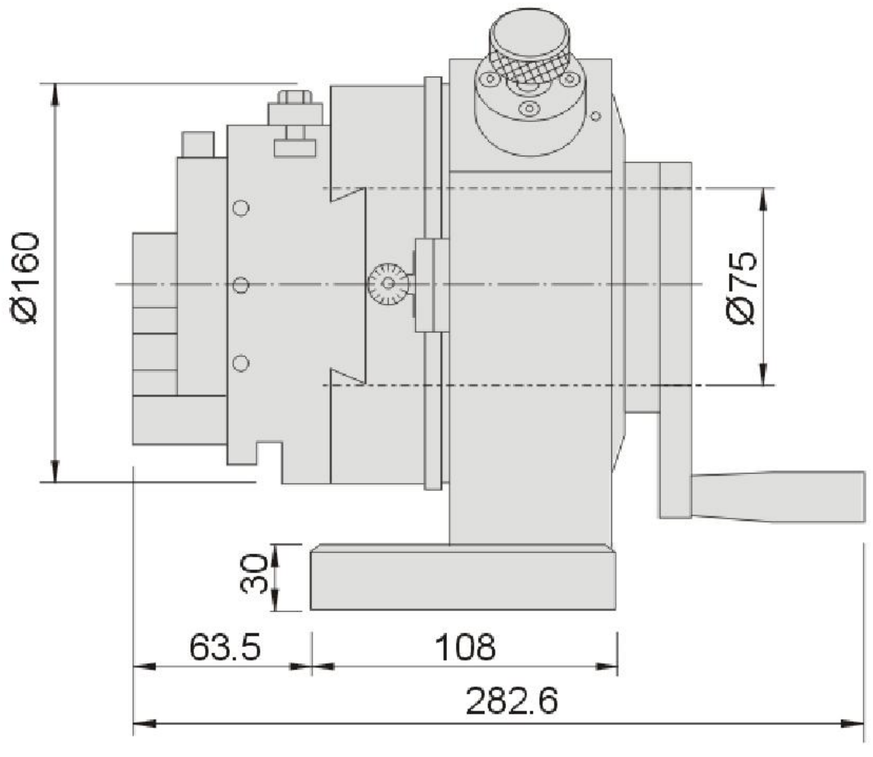
## Features :

- PF500 Punch Former is special designed for larger punch.
- Due to its vertical & horizontal adjustment function, it is especially suitable for oval punch grinding.
- V-block clamping can accurately stabilize workpieces and vertical fine-tuning function can makes setting center easier.

### Main parameters:

| | |
|---|---|
| Center height | 130mm |
| Clamping dia. range of V-block | Ø70mm |
| Travel of V-block | 60mm |
| Slide plate horiztonal movement | ±25mm |
| Indexer tooth q'ty & accuracy | Ø75mm |
| Clamping accuracy (50mm) | 0.008mm |
| Through hole diameters | 24、15°±10" |



# Punch Former

## 51080 PF600 3-Jaws Punch Former(big)



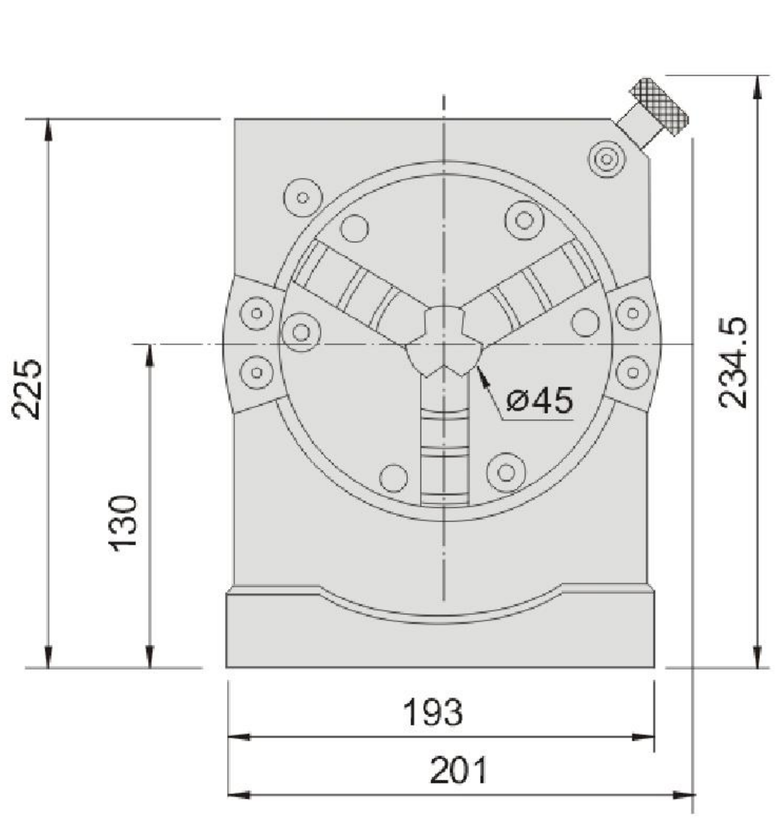
N.W. 24.3kg

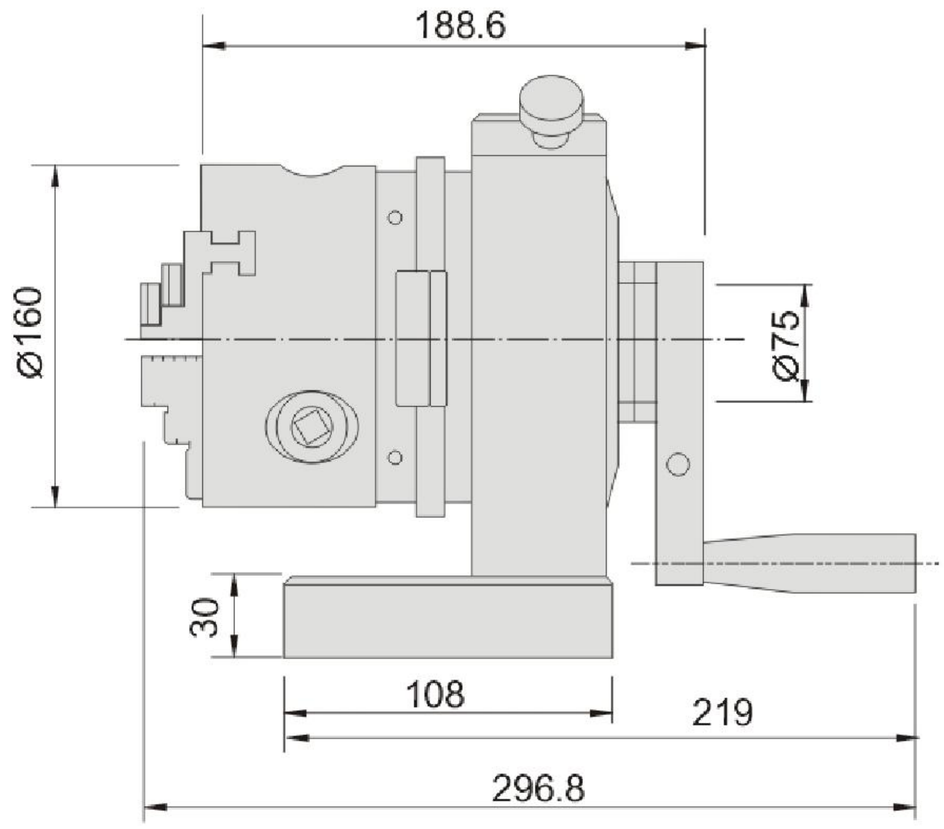
## Features :

- PF600 provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Due to accumulated tolerance when clamping different sizes of workpieces, special design in adjustment of horizontal and roundness for user own application.
- Further jaw attachment can clamp workpeice with larger diameters.

## Main parameters:

Center height ····· 130mm
Indexer tooth q'ty & accuracy ····· 24,15°±10"
Through hole diameters ····· Ø 45mm
Hole dia. of 3-Jaw Chuck ····· Ø 45mm
3-Jaw chuck repeat accuracy ····· 0.015mm
Min. clamping range: Outer dia.····· Ø 4mm
Inner dia.····· Ø 48mm
Max. clamping range: Outer dia.····· Ø 160mm
Inner dia.····· Ø 150mm

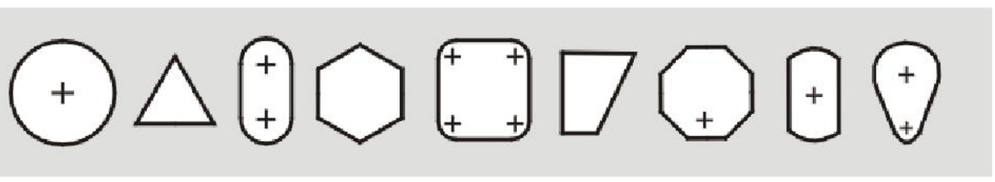


# 51100 PFA Punch Former

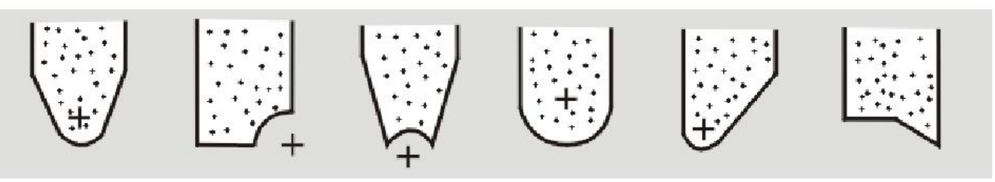


N.W. 8.6kg

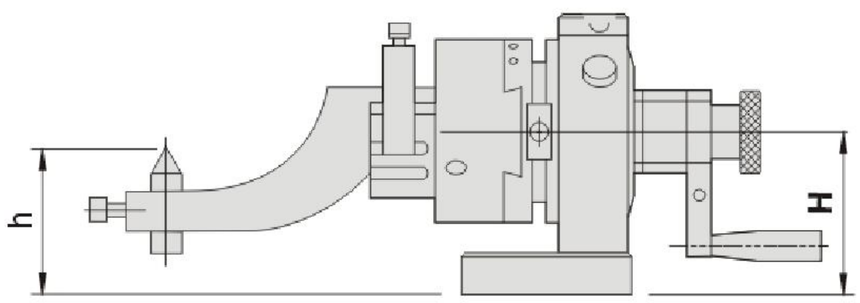


Punch Forming Applications





Wheel Dreesing Applications




## Features :

- PFA Punch Former is suitable for applying on surface grinding machine and processing various shapes of Punches.
- Due to its vertical & horizontal adjustment function, it is specially suitable for oval punch grinding.
- Adopting Arc attachment for dressing wheels in various shapes.
- Depending on different outer dia. of the workpieces, V-block is necessarily adjusted in order to make center accuracy within 0.005mm

## Main parameters:

| | |
|---|---|
| Center height | 80 ~ 81mm |
| Clamping dia. range of V-block | Ø 4 ~ 30mm |
| Travel of V-block | 30mm |
| Slide plate horiztonal movement | ±12.5mm |
| Indexer tooth q'ty & accuracy | 24、15° ±10" |
| Clamping accuracy (50mm) | 0.005mm |
| Capable wheel size of dressing | Ø 200mm |
| Max. radius when dressing arc | |
| Convex | R48mm |
| Concave | R100mm |

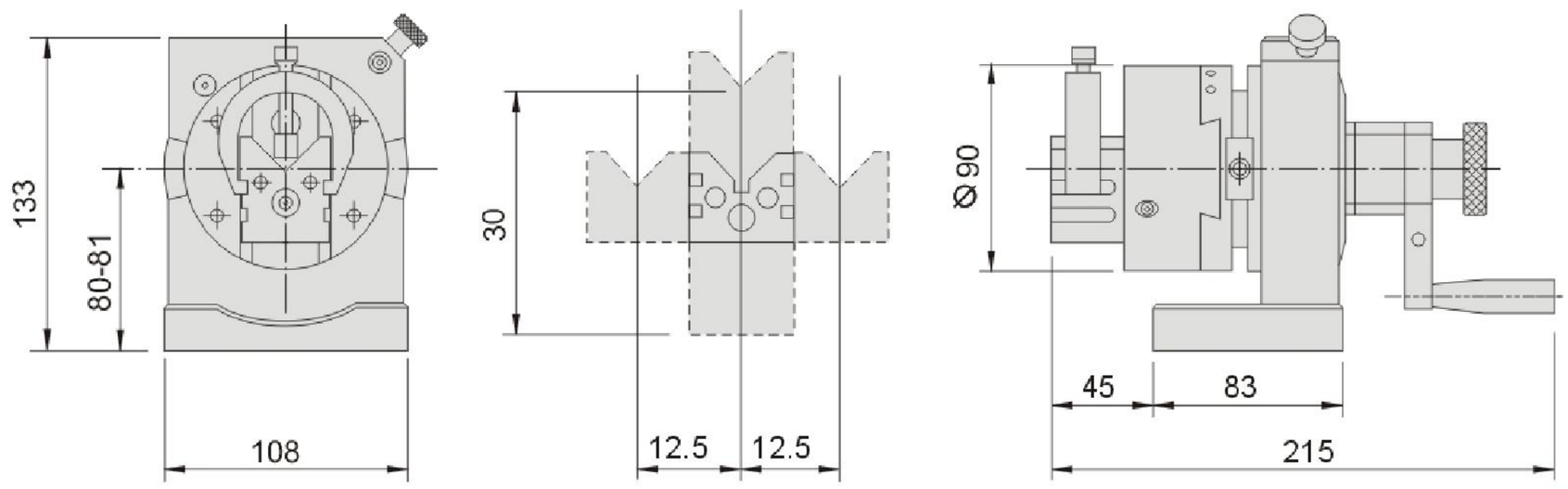
## Calculation Formula:

| | |
|---|---|
| Dressing convex arc | **h=H-R** |
| Dressing concave arc | **h=H+R** |

h: distance from tip of diamond to base of Punch Former

H: Center height of Punch Former

R: Radius of the arc to be dress



# Punch Former

## 51150 PFB Punch Former



N.W.0.8kg

N.W. 7.6kg

### 51150-01
### PFB1



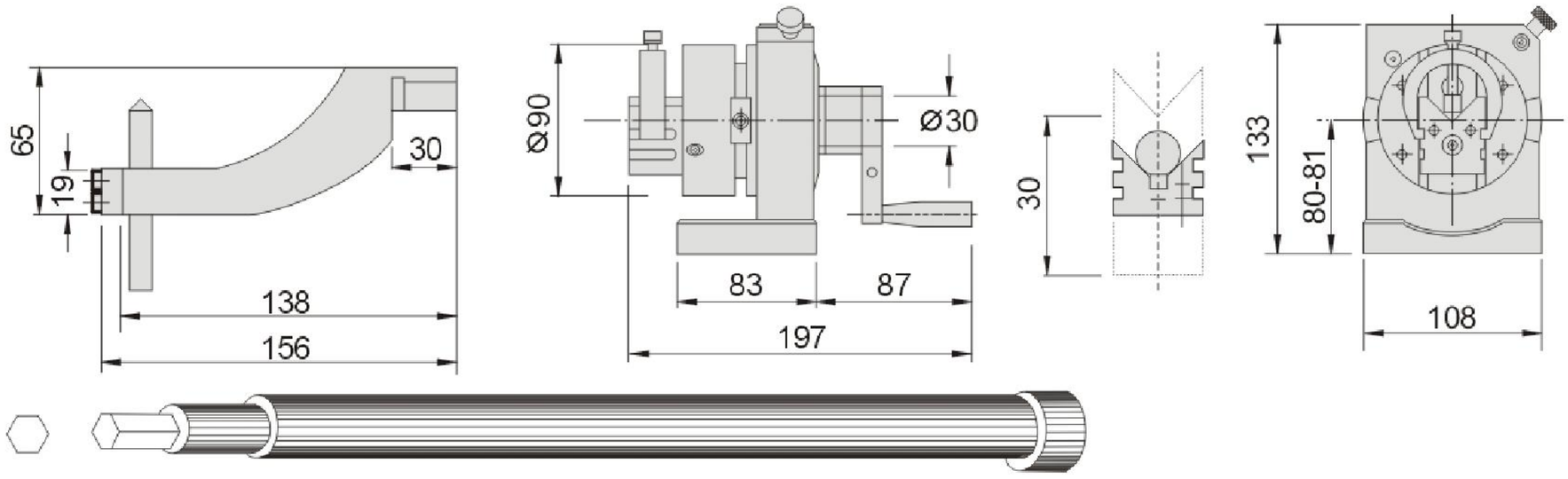
N.W. 0.6kg

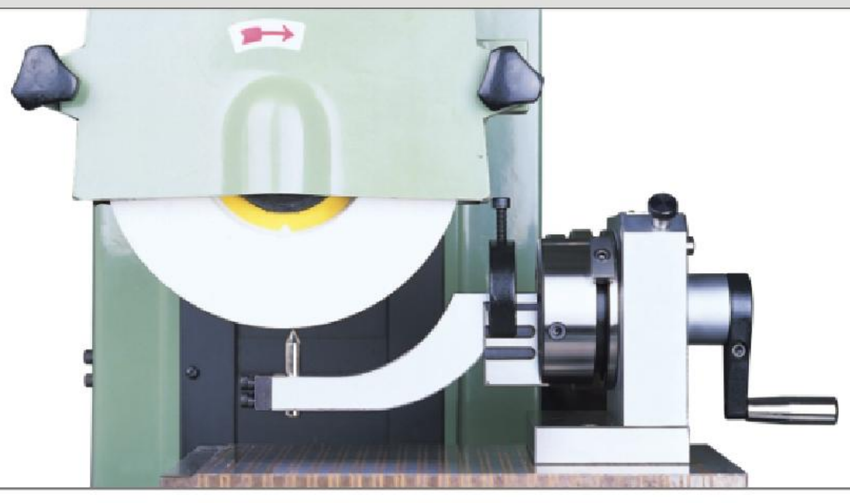
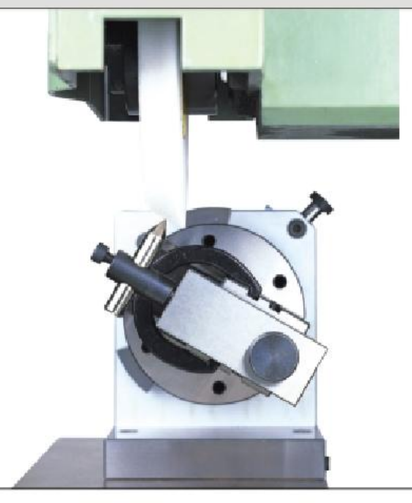
## Features :

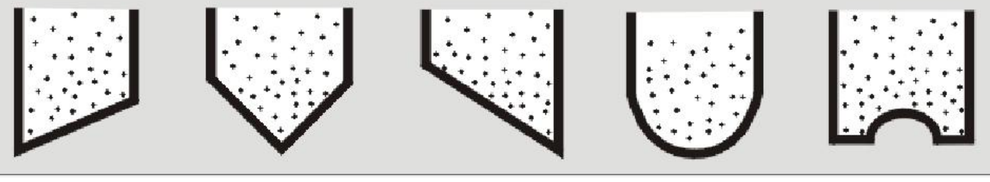
- PFB Punch Former have not just the same features of PFA but also with through hole design especially for longer pin or extended punches grinding.
- Adopting Arc attachment for dressing wheels in various shapes.
- The PFB1 attachment can also be applied to perform angular wheel dressing.

### Main parameters:

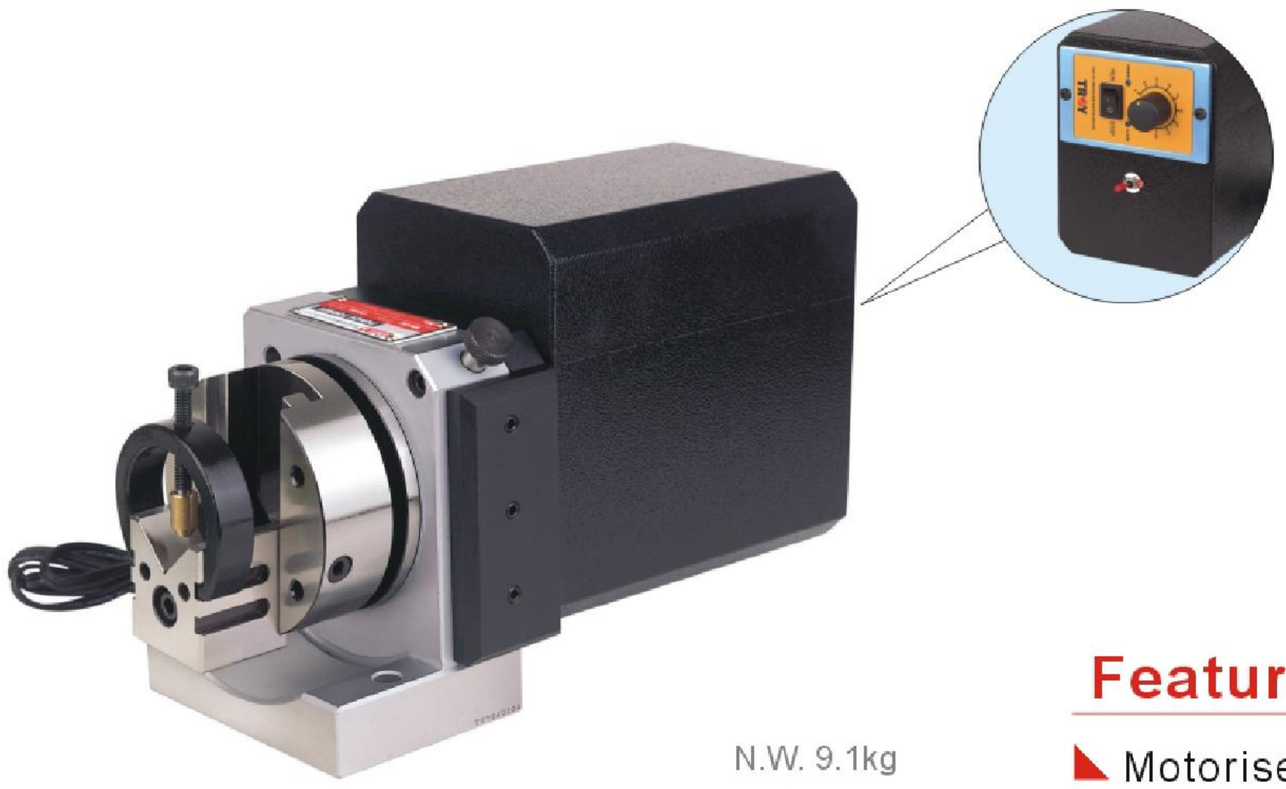
| | |
|---|---|
| Center height | 80 ~ 81mm |
| Clamping dia. range of V-block | ø4 ~ 30mm |
| Travel of V-block | 30mm |
| Indexer tooth q'ty & accuracy | 24、15°±10" |
| Clamping accuracy (50mm) | 0.005mm |
| Through hole dia. | ø 30mm |
| Capable wheel size of dressing | ø 200mm |
| Max. radius when dressing arc | |
| Convex | R48mm |
| Concave | R100mm |




| Punch forming | Radius wheel dressing | Angular wheel dressing |
|---|---|---|
|  |  |  |

| Punch forming applications | Grinding wheel dressing application |
|---|---|
|  |  |

# 51160 PFBM Motor Punch Former



N.W. 9.1kg



without dust cover

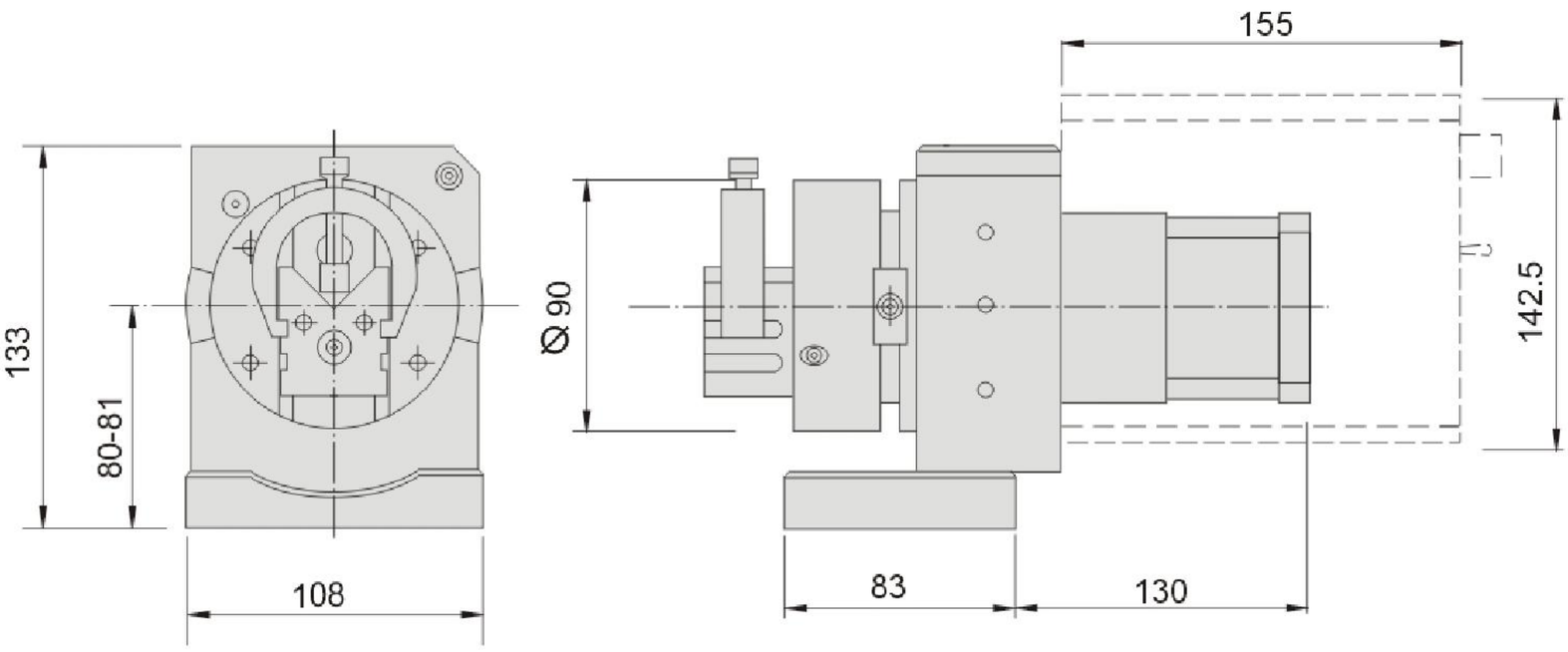
## Features :

- Motorised function prevent human fatigue when processing.
- Increase efficiency when processing punches.

### Main parameters:

| | |
|---|---|
| Center height | 80 ~ 81mm |
| Clamping diameter in V-slot | ⌀ 4 ~ 30mm |
| Travel of V-block | 25mm |
| Clamping accuracy (50mm) | 0.005mm |
| Roller driving motor 110V/60HZ | 50~300rpm |
| Roller driving motor 220V/50HZ | 50~300rpm |

**Note:**
ariable speed from 1 to 100 ratio, when 100 is set the top speed is 300rpm, when set on 100 rpm, the panel is set approx. 30 ratio.




| Order No. | Model | Volts |
|---|---|---|
| 51160-110 | PFBM | AC110V |
| 51160-220 | | AC220V |

# Punch Former

## 51200 PFC 3-Jaw Punch Former



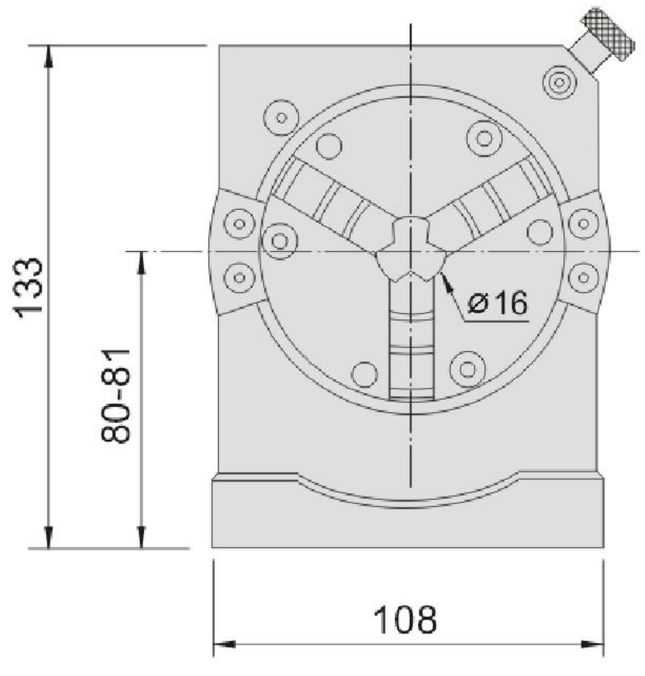
N.W. 7.6kg

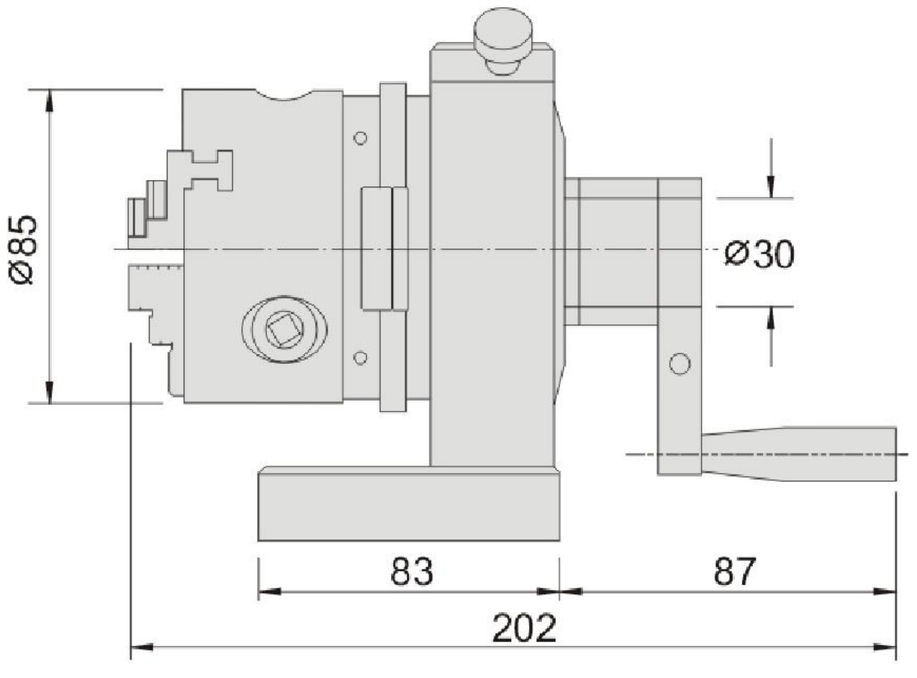
## Features :

- Precision 3-Jaw Chuck provide rapid clamping and it suitable for mass production.
- Due to the accumulated tolerance incurred, there is design for adjustment function for users, both horizontal and roundness.
- Further reversed jaw attachment provides capability of clamping larger workpeice.

## Main parameters:

| | |
|---|---|
| Center height | 80 ~ 81mm |
| Indexer tooth q'ty & accuracy | 24,15° ±10" |
| Through hole diameters | ø16 mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |
| Hole dia. of 3-Jaw Chuck | 16mm |
| Min. clamping range | O.D. ø2mm, I.D. ø24mm |
| Max. clamping range | O.D. ø70mm, I.D. ø64mm |



# 51210 PFCM Motor 3-Jaw Punch Former



N.W. 10.1kg



without dust cover

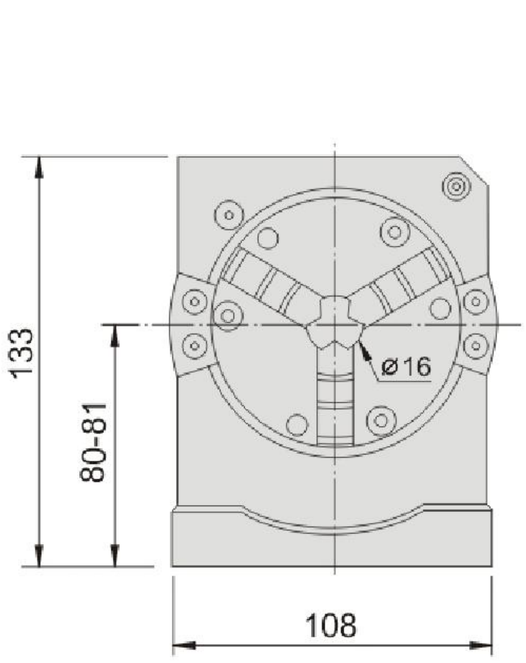
**Note:**
ariable speed from 1 to 100 ratio, when 100 is set the top speed is 300rpm, when set on 100 rpm, the panel is set approx. 30 ratio.

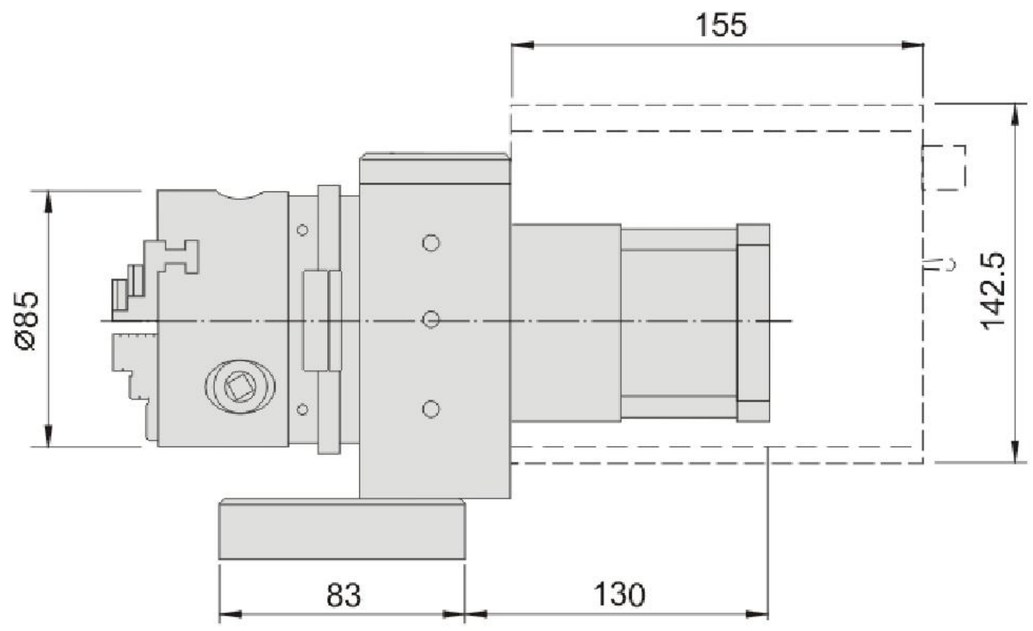
## Features :

- Motorised function prevent human fatigue when processing.
- Increase efficiency when processing punches.

**Main parameters:**

| | |
|---|---|
| Center height | 80 ~ 81mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.015mm |
| Hole dia. of 3-Jaw Chuck | ø16mm |
| Min. clamping range | O.D. ø2mm, I.D. ø24mm |
| Max. clamping range | O.D. ø70mm, I.D. ø64mm |
| Motor : 110V/60Hz | 50 ~ 550 RPM |
| Motor : 220V/50Hz | 50 ~ 550 RPM |




| Order No. | Model | Volts |
|---|---|---|
| 51210-110 | PFCM | AC110V |
| 51210-220 | | AC220V |

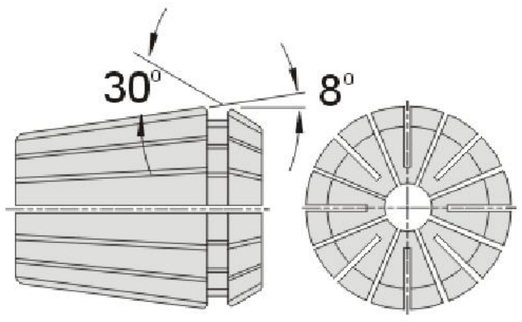
# Punch Former

## 51250 PFD ER Collet Punch Former



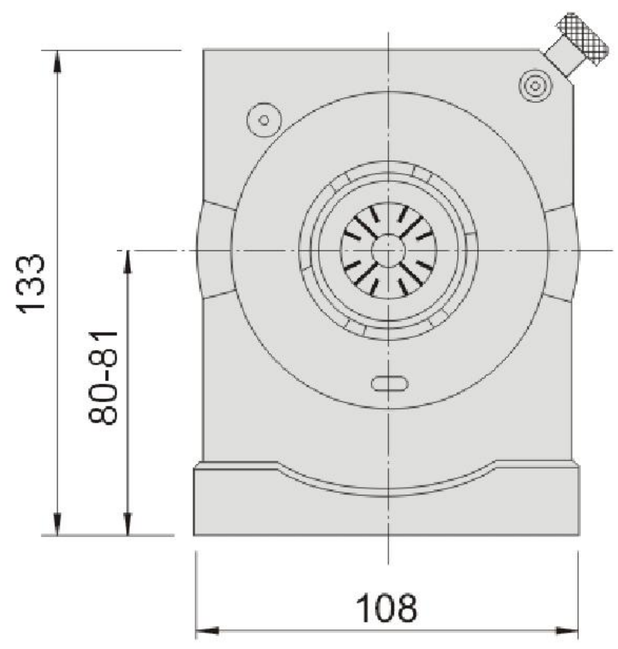
## Features :

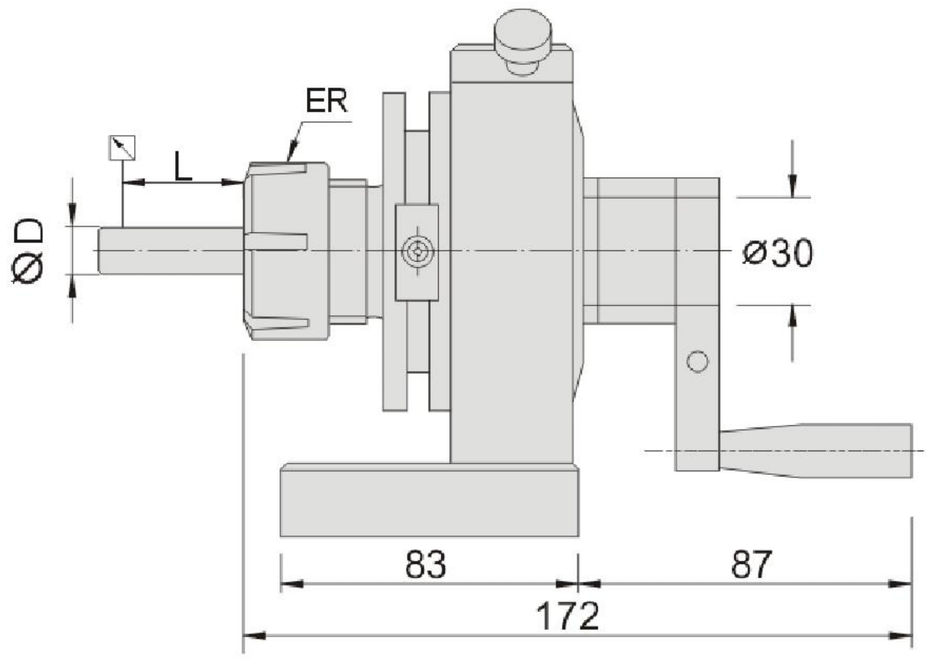
- With ER collets, the flexible range of collet is 1mm.
- Clamping under 4mm apply ER16 collet.
- PFD can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- This model is compatible with various ER collets such as ER16, ER32, ER40 etc...




Collet Standard Accuracy

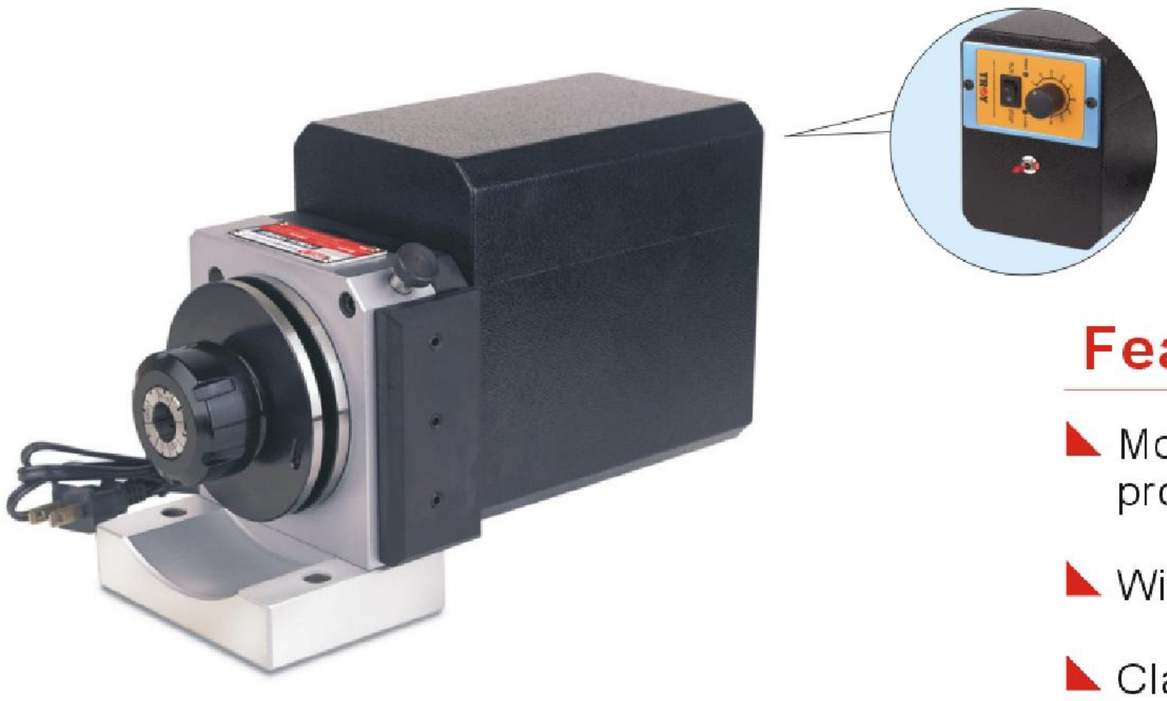
| L | D | Accuracy |
|---|---|---|
| 6 | 1.0-1.6 | 0.015 |
| 10 | 1.6-3.0 | 0.015 |
| 16 | 3.0-7.0 | 0.015 |
| 25 | 7.0-10.0 | 0.015 |
| 40 | 10.0-18.0 | 0.020 |
| 50 | 18.0-24.0 | 0.020 |
| 60 | 24.0-34.0 | 0.020 |




| Order No. | Model | Collet Size | N.W. |
|---|---|---|---|
| 51250-16 | PFD-ER16 | 2、3、4、6、8 | 5.6kg |
| 51250-32 | PFD-ER32 | 4、8、12、16、20 | 6.6kg |
| 51250-40 | PFD-ER40 | 6、10、16、20、25 | 7.6kg |

# 51260 PFDM Motor ER Collet Punch Former





without dust cover



ER40 ER32 ER16

## Features :

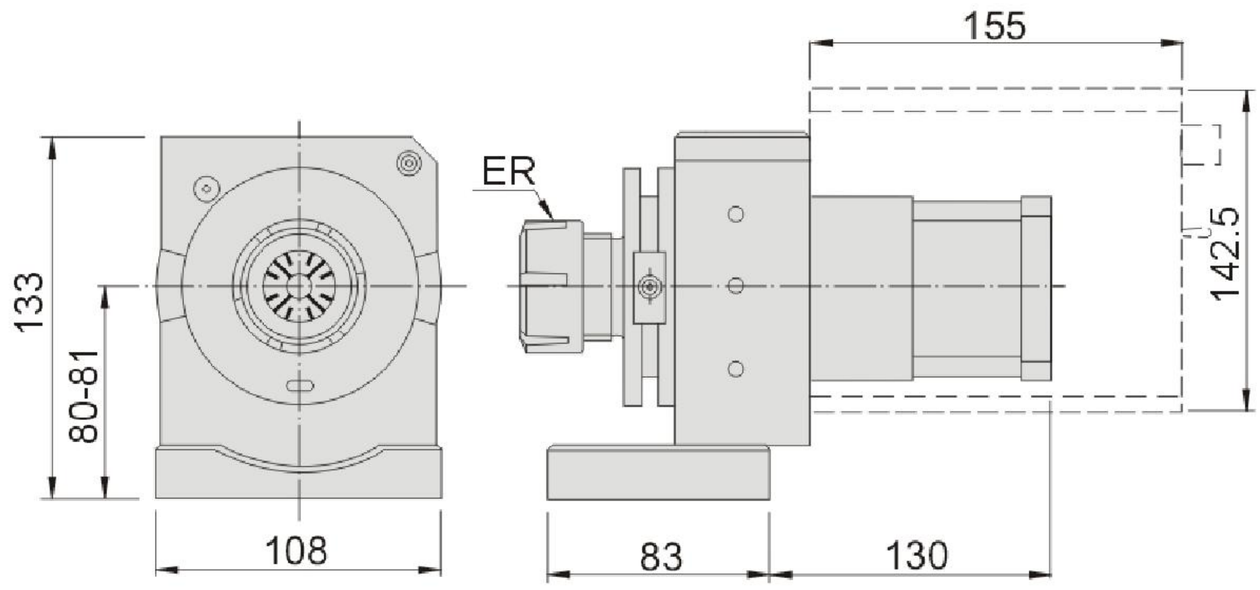
- Motorised function prevent human fatigue when processing.
- With ER collets, the flexible range of collet is 1mm.
- Clamping under 4mm apply ER16 collet.
- PFDM can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- This model is compatible with various ER collets such as ER16, ER32, ER40 etc...

**Main parameters:**

Center height ····· 80 ~ 81mm
Motor : 110V/60Hz ····· 50 ~ 300 RPM
Motor : 220V/50Hz ····· 50 ~ 300 RPM

**Note:**

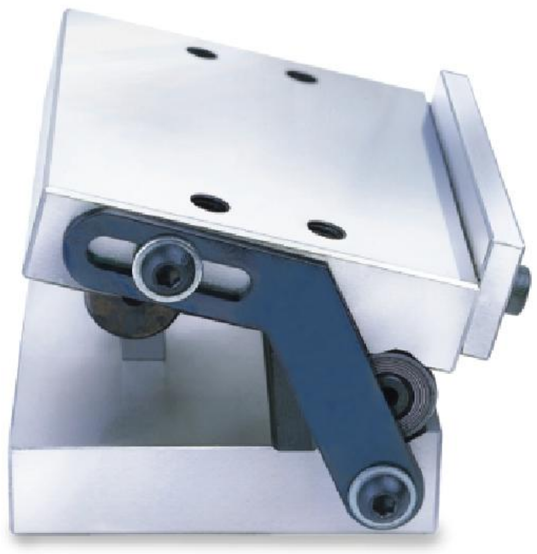
ariable speed from 1 to 100 ratio, when 100 is set the top speed is 300rpm, when set on 100 rpm, the panel is set approx. 30 ratio.




| Order No. | Model | Collet Size | Volts | N.W. |
|---|---|---|---|---|
| 51260-16-110 | PFDM-ER16 | 2、3、4、6、8 | AC110V | 8.2kg |
| 51260-16-220 | | | AC220V | |
| 51260-32-110 | PFDM-ER32 | 4、8、12、16、20 | AC110V | 9.2kg |
| 51260-32-220 | | | AC220V | |
| 51260-40-110 | PFDM-ER40 | 6、10、16、20、25 | AC110V | 10.2kg |
| 51260-40-220 | | | AC220V | |

# 51300 SPF50 Sine Plate for Punch Former

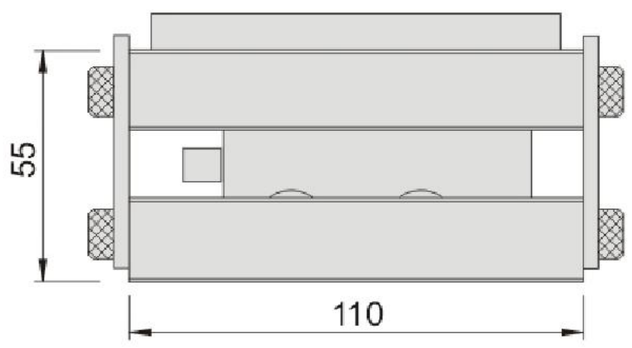


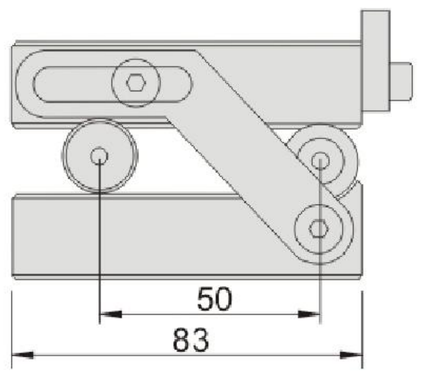


N.W. 3.3kg

## Features :

- SPF50 Sine Plate is designed for applying on PFA, PFB, PFC & PFD to make sine angles for processing workpiece.
- Hardness:HRC55°
- Accuracy:within 0.005mm

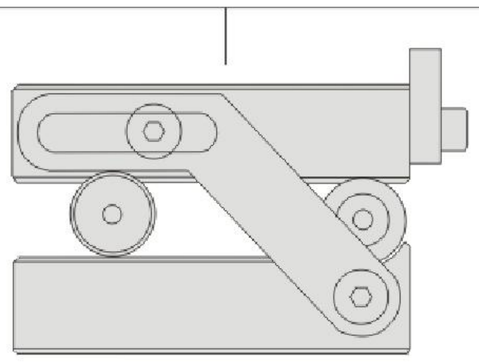






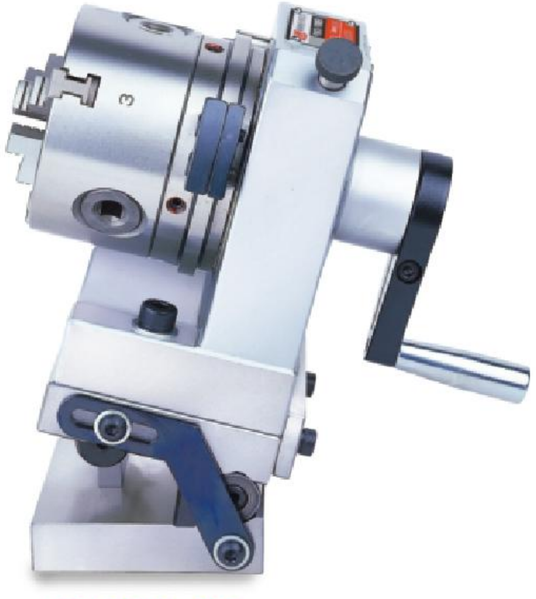


**Sine Punch Former**



**51300-01**
**SPFB**

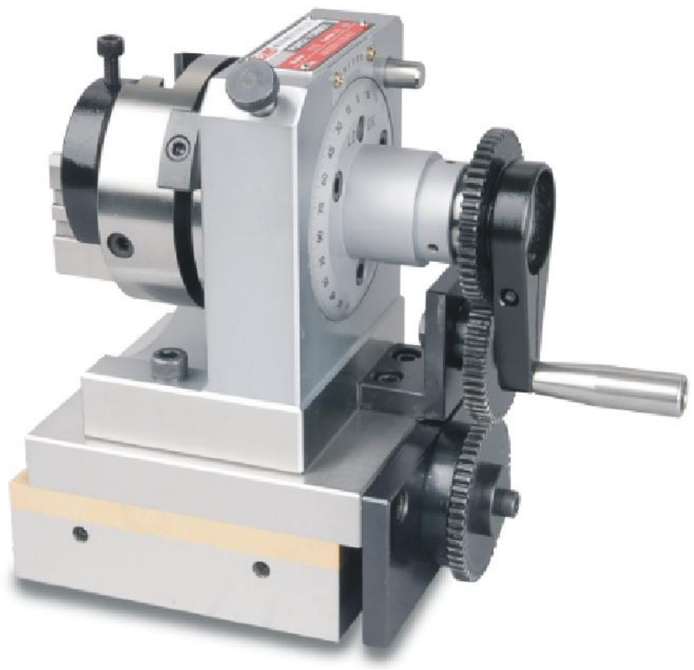


**51300-02**
**SPFC**



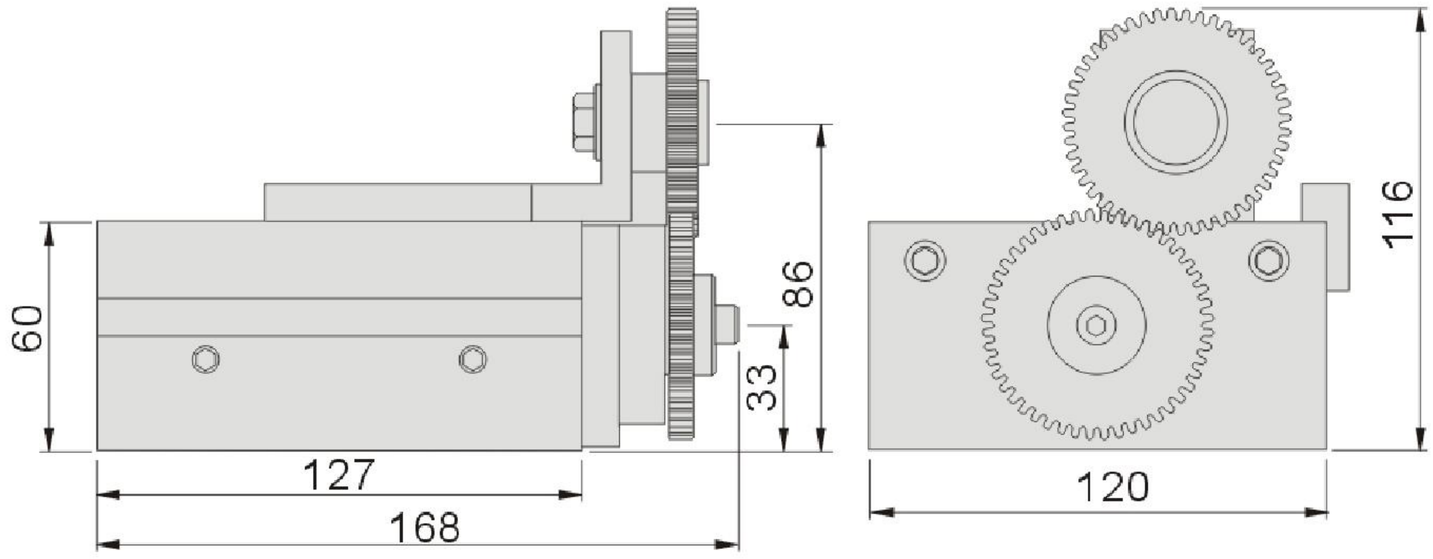
**51300-03/04/05**
**SPFD-ER16/32/40**

# 51320 GTF Replaceable type Thread Grinding Slider



## Features :

- GTF SPF50 Sine Plate is designed for applying on Punch Formers (PFA, PFB, PFC & PFD) to make thread grinding.
- Depending the thread pitch needs, choosing appropriate accessories. (Pitch 0.5/0.7/0.8/1.0/1.25/1.5/1.75/2.0).
- Standard accessory: P 1.0, and two extra thread bars from abovementioned spec. , Dust proof cover is also included.
- Custom made thread bar is available.







Thread Bars





N.W. 7.6kg

**GTF 51320**

Examples:



**Thread Grinding Slider.**



N.W. 15.2kg

**51320-01 GTFB**



N.W. 15.2kg

**51320-02 GTFC**



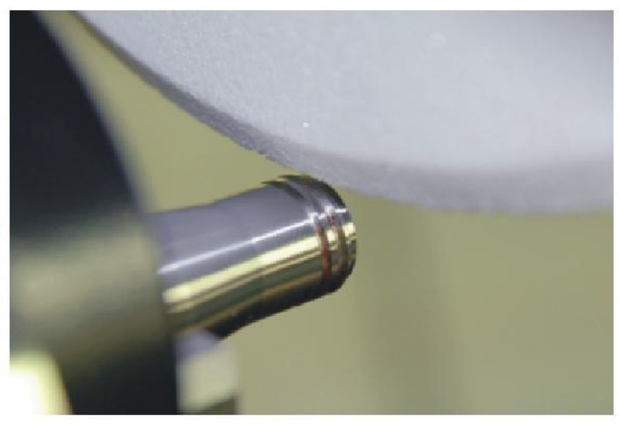
N.W. 13.2kg
14.2kg
15.2kg

**51320-03/04/05 GTFD-ER16/32/40**

Application examples:







# Punch Former

## 51450 PGA Punch Grinder

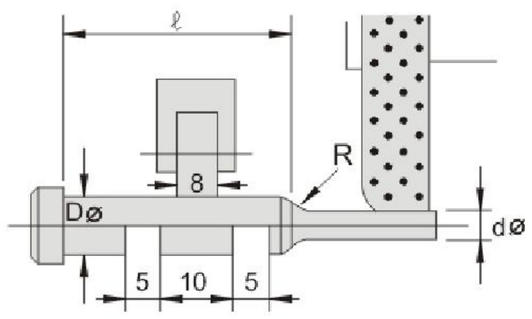


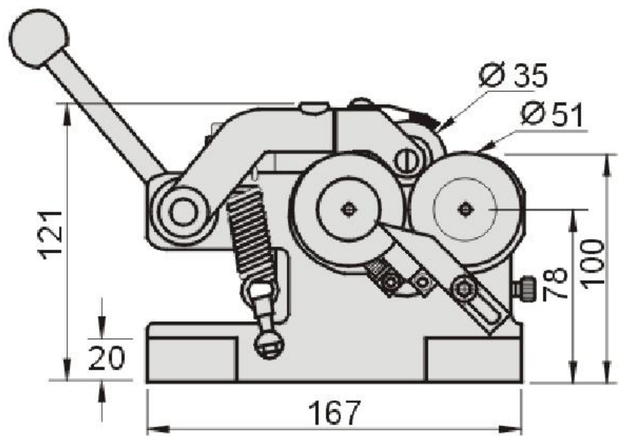
PAT: 208219
ZL 02 2 52581.5

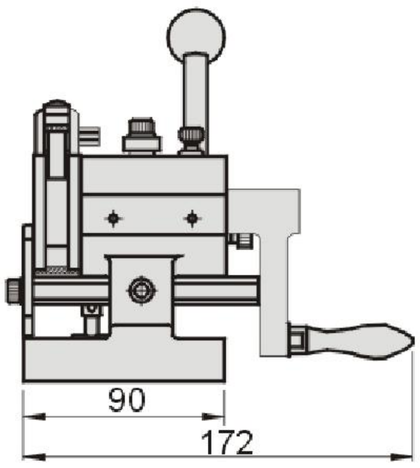
N.W. 5.6kg

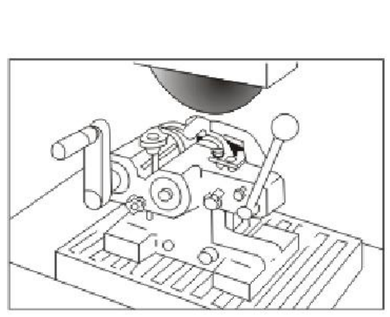
### Features :

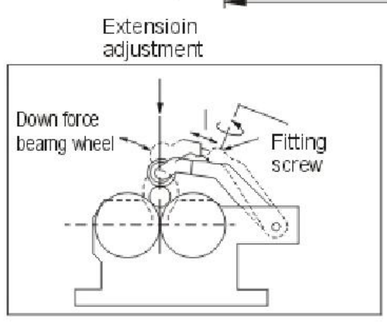
- Punch Grinder is a tool which can be put on the surface of grinding machine for grinding punches. It can do cylindrical grinding automatically.
- The rollers can be used to adjust the workpiece before grinding.
- Use screw pressure for firm holding as shown in the picture for heavy grinding.
- Accuracy of roller is within 0.005mm. It can grind punches of outside diameter from 1.5 to 25mm, extended grinding length is within 5-35mm.

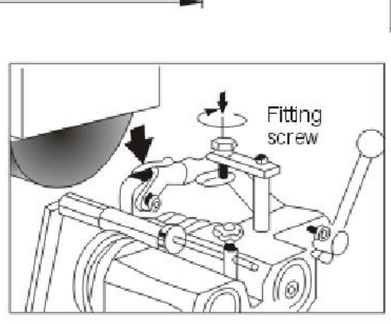


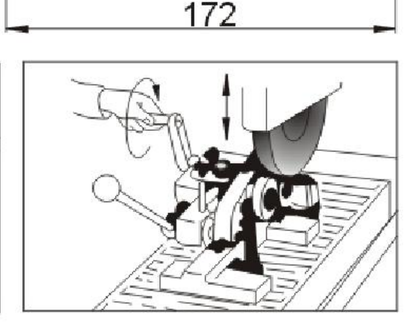





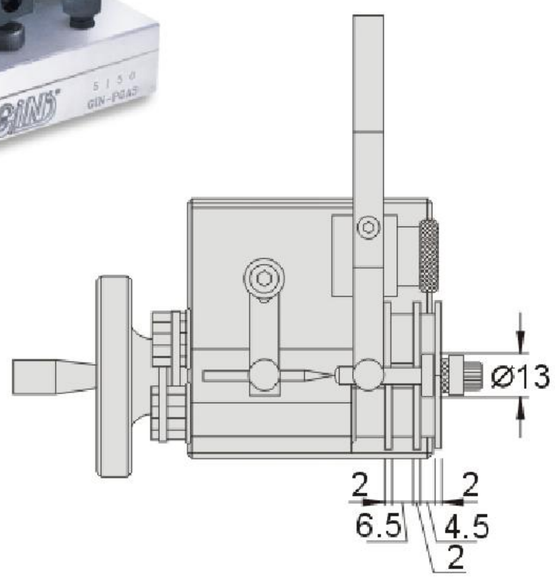
## 51500 PGAS Punch Grinder

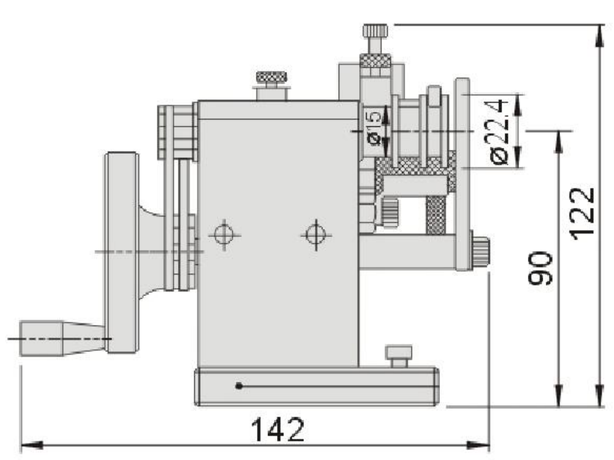


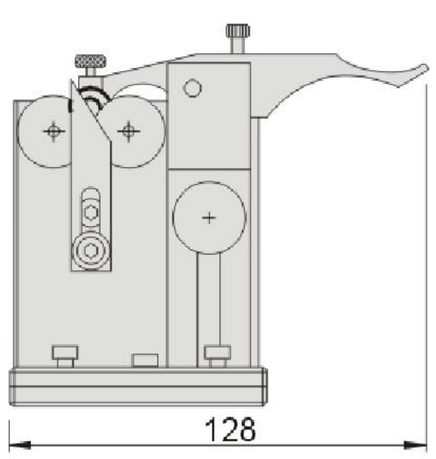
N.W. 2.5kg

### Features :

- The small Punch Grinder can process from dia 0.5mm to 10mm. If the diameter of workpiece over than ⌀6mm to be ground, Suggest to use "PGA" model.
- Right pressure must be put on the screw to avoid over pressure.



# 51550 PGAM Motor Punch Grinder



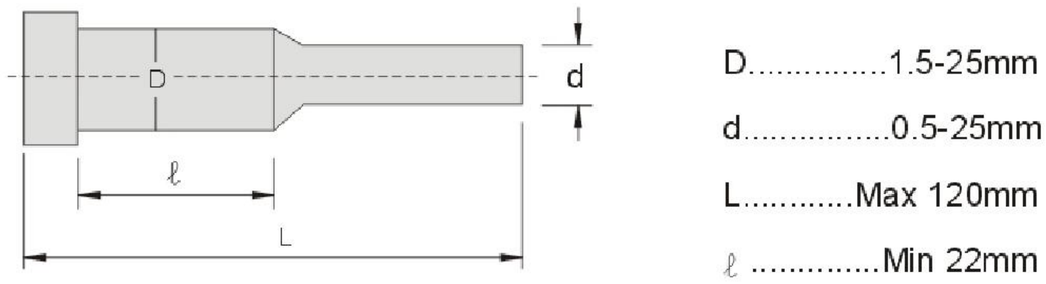
N.W. 10.2kg

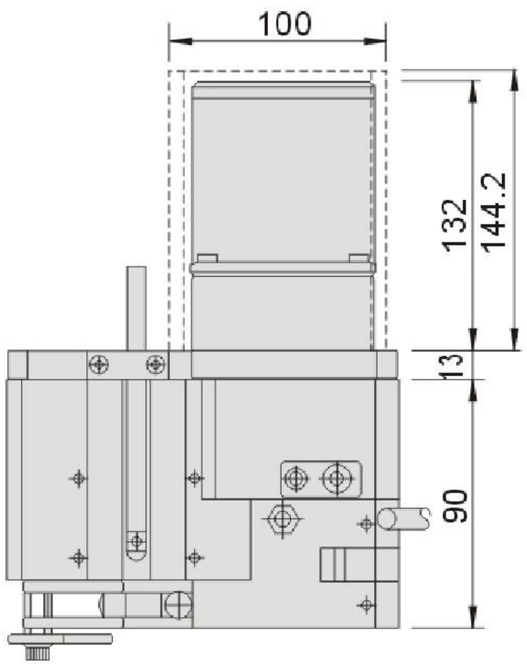
## Features :

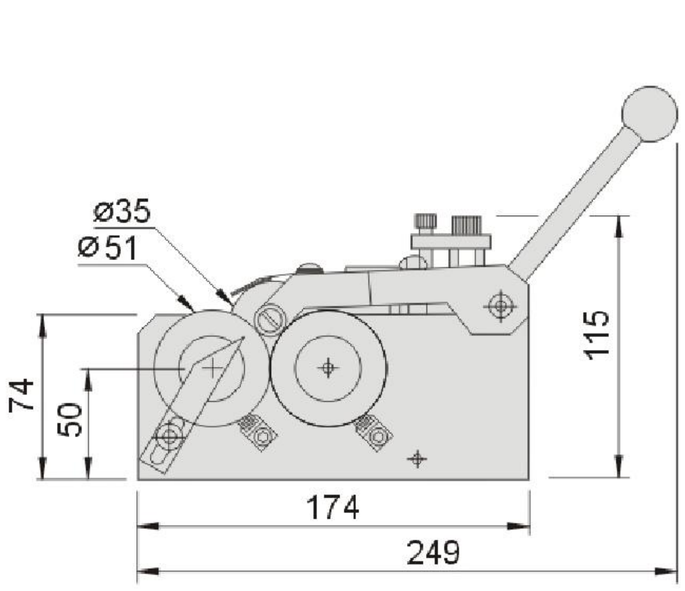
- Motor Punch Grinder just by putting on surface grinding machine.
- No center alignment necessary .Just put work on rollers.
- Portable with single hand, thus easily set on grinding.
- With rollers motor-driven attention can be concentrated on table wheel feeds.
- Double roller unit available for long pin or punch grinding.
- It can be used with magnetic sine plate to grind various angle profile punch.

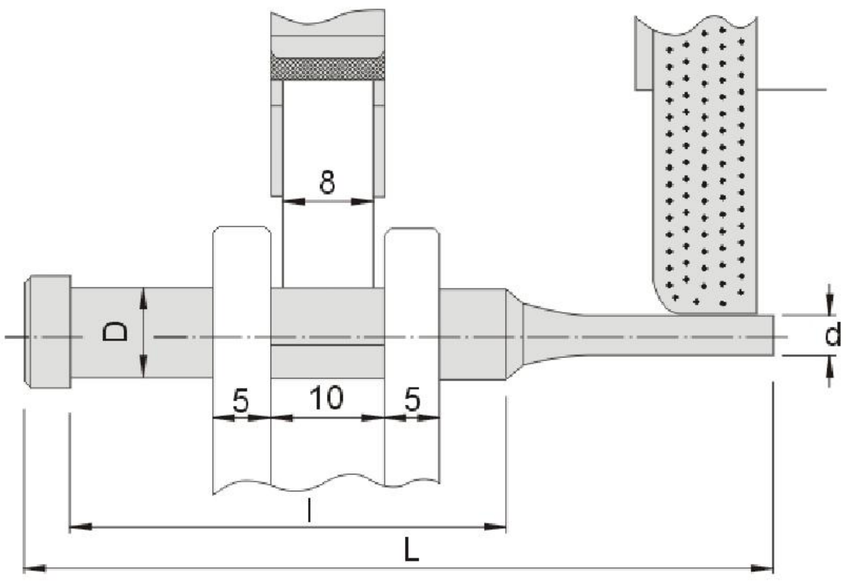
## Main parameters:

Length of Workpiece ..... 20-120mm
Outside Grinding Length ..... 5-35mm
Grinding Diameter ..... 1.5-25mm
Accuracy ..... 0.005mm
Roller driving motor 110V/60HZ ..... 129rpm
Roller driving motor 220V/50HZ ..... 108rpm




| Order No. | Model | Volts |
|---|---|---|
| 51550-110 | PGAM | AC110V 1Phase |
| 51550-220 | | AC220V 1Phase |

# Wheel Dresser

## 52100 WD165 Universal Wheel Dresser

PAT: 156082
ZL 99 2 11126.9



N.W. 6.6kg

## Features :

- Mode WD165 Universal Wheel Dresser Adaptable on surface grinding machine and universal tool grinder for dressing grinding wheels into various cross sections of flat or curved shapes.

### Calaculation Formulars

H=L=0R

To dress convex arc surface : H=L+R

To dress concave arc surface : H=L R

H: distance between outer generating lines of two locating pins.

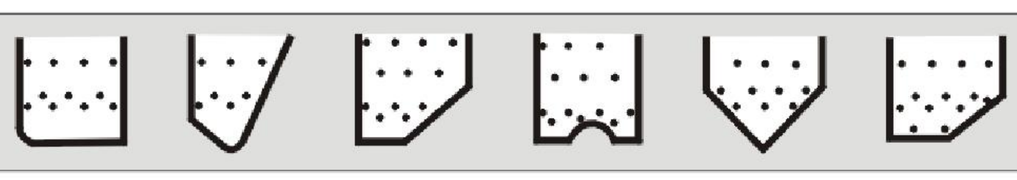
R: Radius of the arc surface to be dressed.

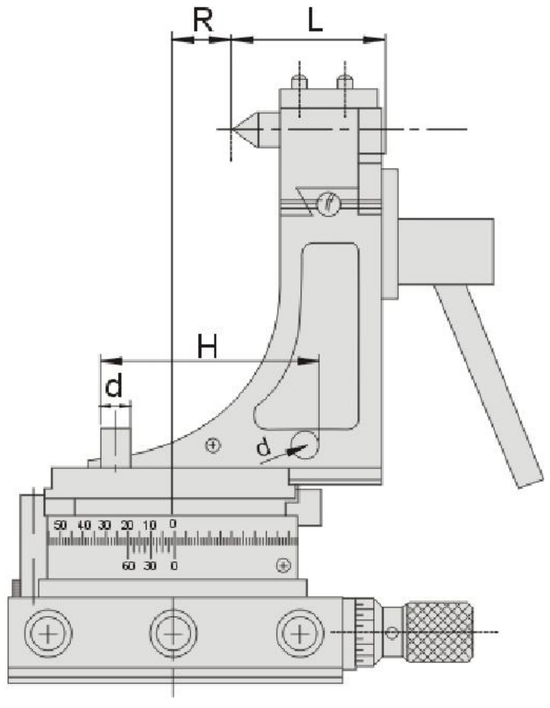
L: distance from tip of diamond cutter to base plate

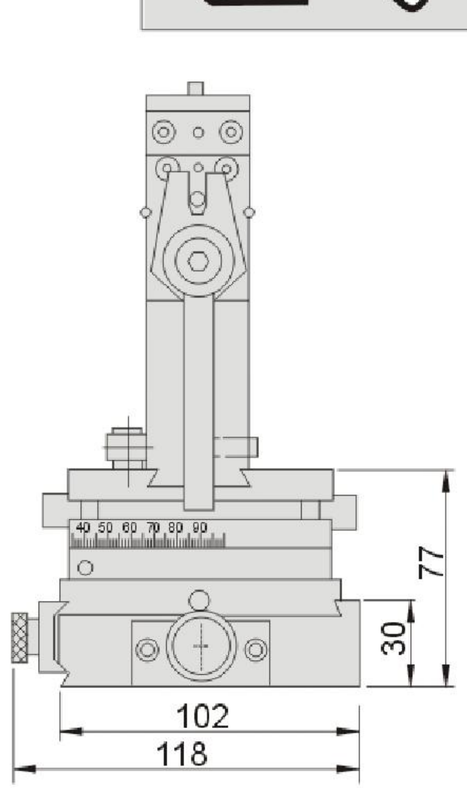
### Main parameters:

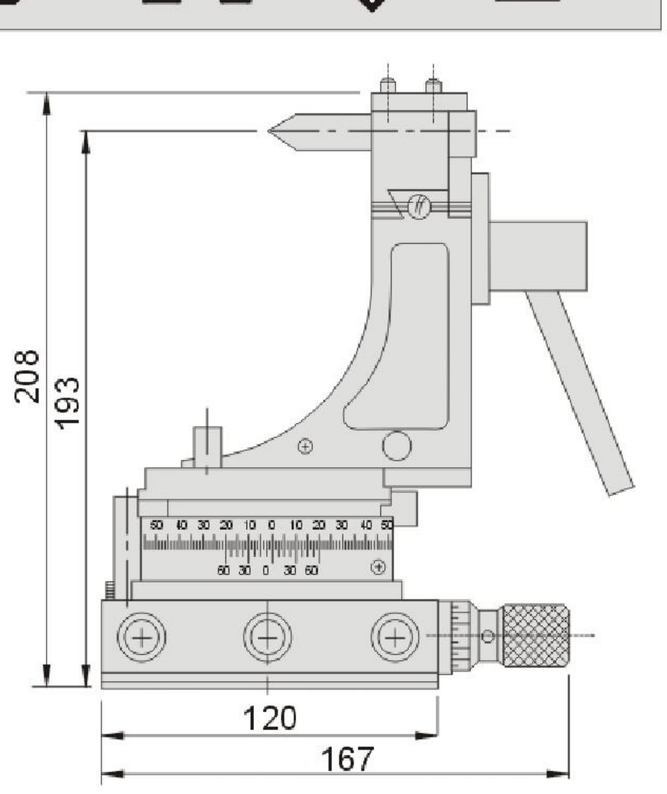
Center height ····· 193mm
Measuring quasi-pin dia ····· ø10mm
Max. swing distance of diamond cutter····· ±14mm
Max. wheel diameter ····· ø205mm
Reading accuracy of turret index ····· 5'
Max. translation of feed ····· 25mm
Feed per division of handle scale ····· 0.01mm
Max.dressing convex arc 50R ,concave arc 0~100

**Wheel Dreesing Applications**





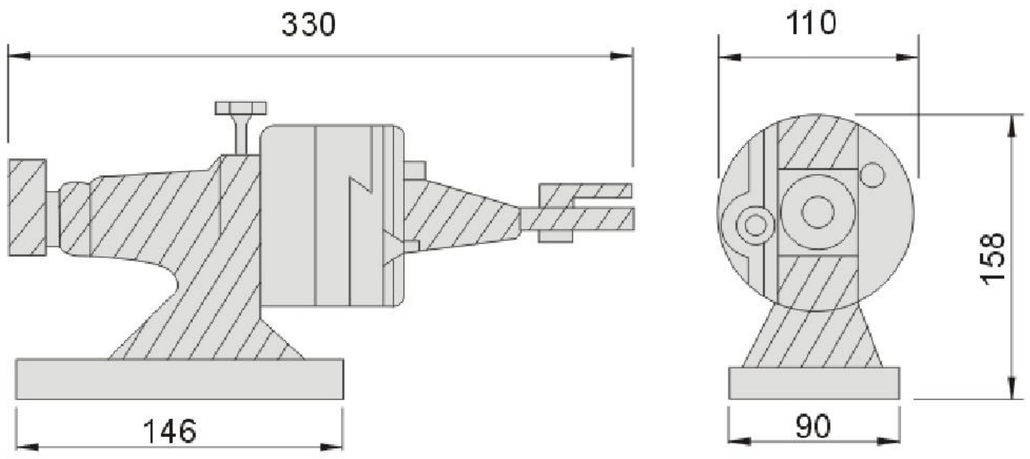
# 52150 RDA Radius and Angle Dresser



N.W. 10.5kg

## Features :

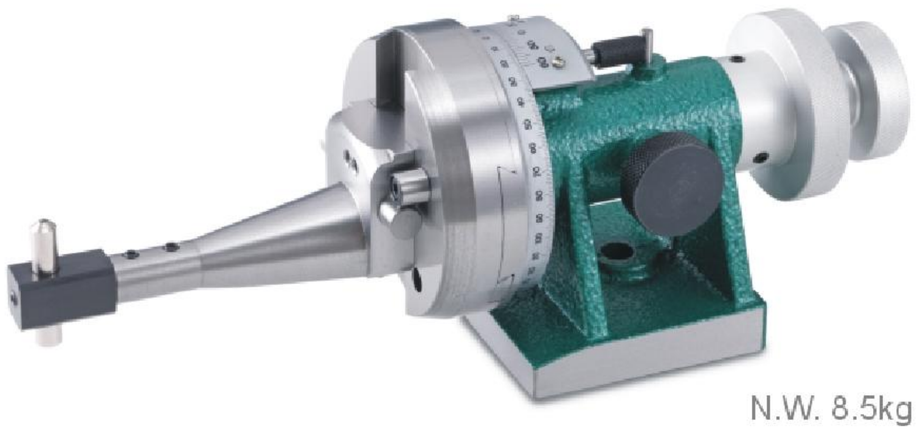
- Automatic return to zero, by applying with gauge block and you can get the desire concave and convex angle.
- Max. convex R45mm, Max concave R100mm, Max horizontal movement is 65mm.




**Wheel Dreesing Applications**



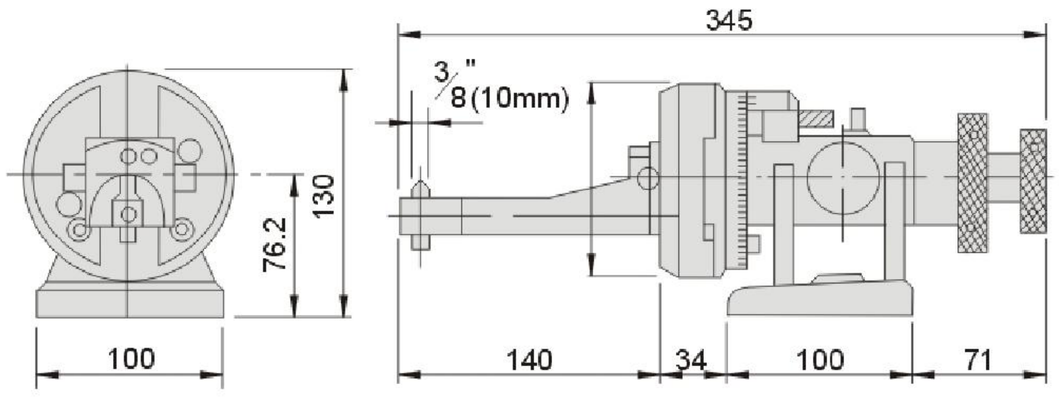
# 52200 RDB Radius and Angle Dresser



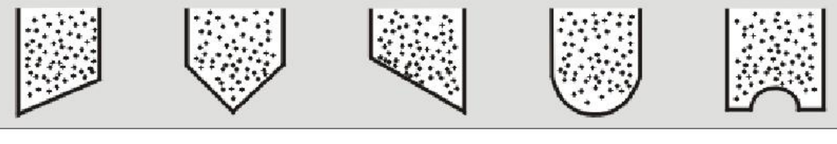
N.W. 8.5kg

## Features :

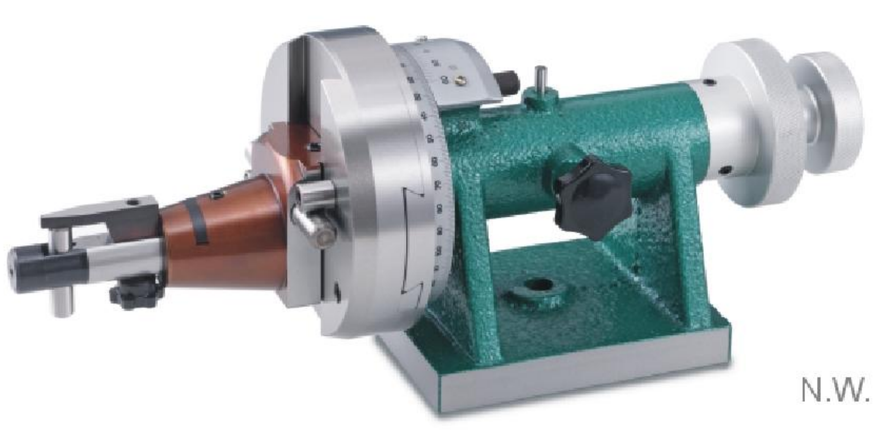
- RDB Max. convex R45mm, Max concave R100mm, Max horizontal movement is 65mm




**Wheel Dreesing Applications**



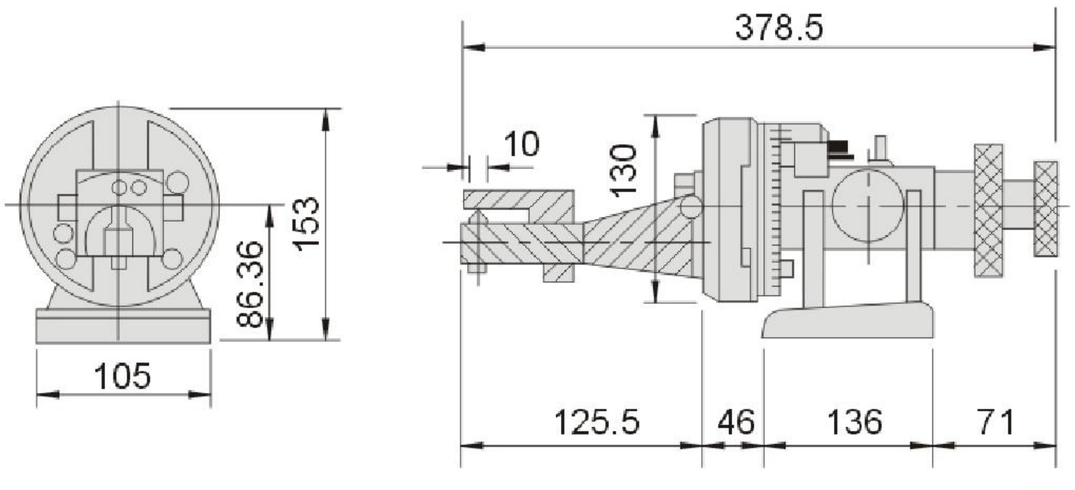
# 52250 RDC Radius and Angle Dresser



N.W. 9.5kg

## Features :

- RDC Max. convex R60mm, Max concave R150mm, Max horizontal movement is 90mm.
- Max. dia of wheel dressing is 279mm




**Wheel Dreesing Applications**



# Wheel Dresser

## 52300 KT50 Visual Radius Angle Dresser

PAT: 160112
ZL 99 2 11127.7

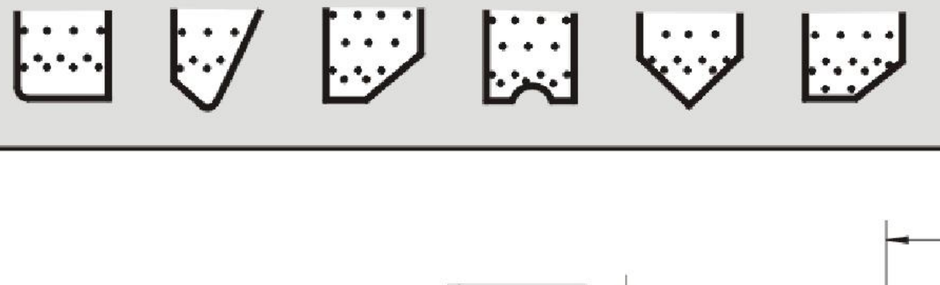


N.W. 3.8kg

### Features :

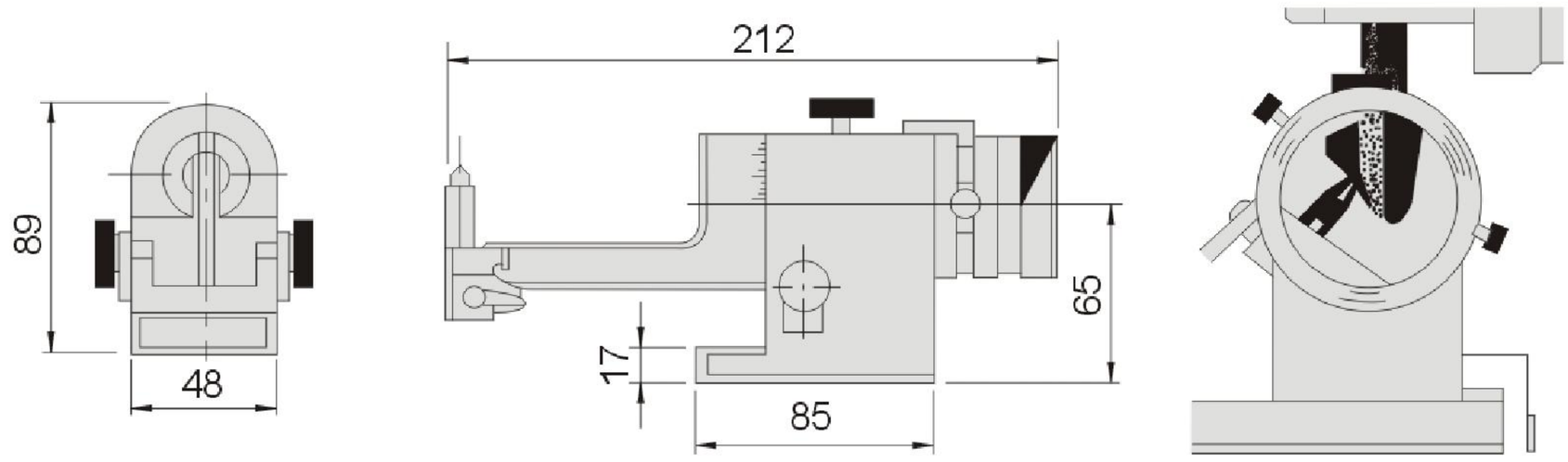
- KT50 is mainly applied on surface grinding machine and universal tool grinder.
- By "sighting" the diamond point through the lens, radius and angles can easily be made into various cross sections of flat or curved shapes.

**Wheel Dreesing Applications**

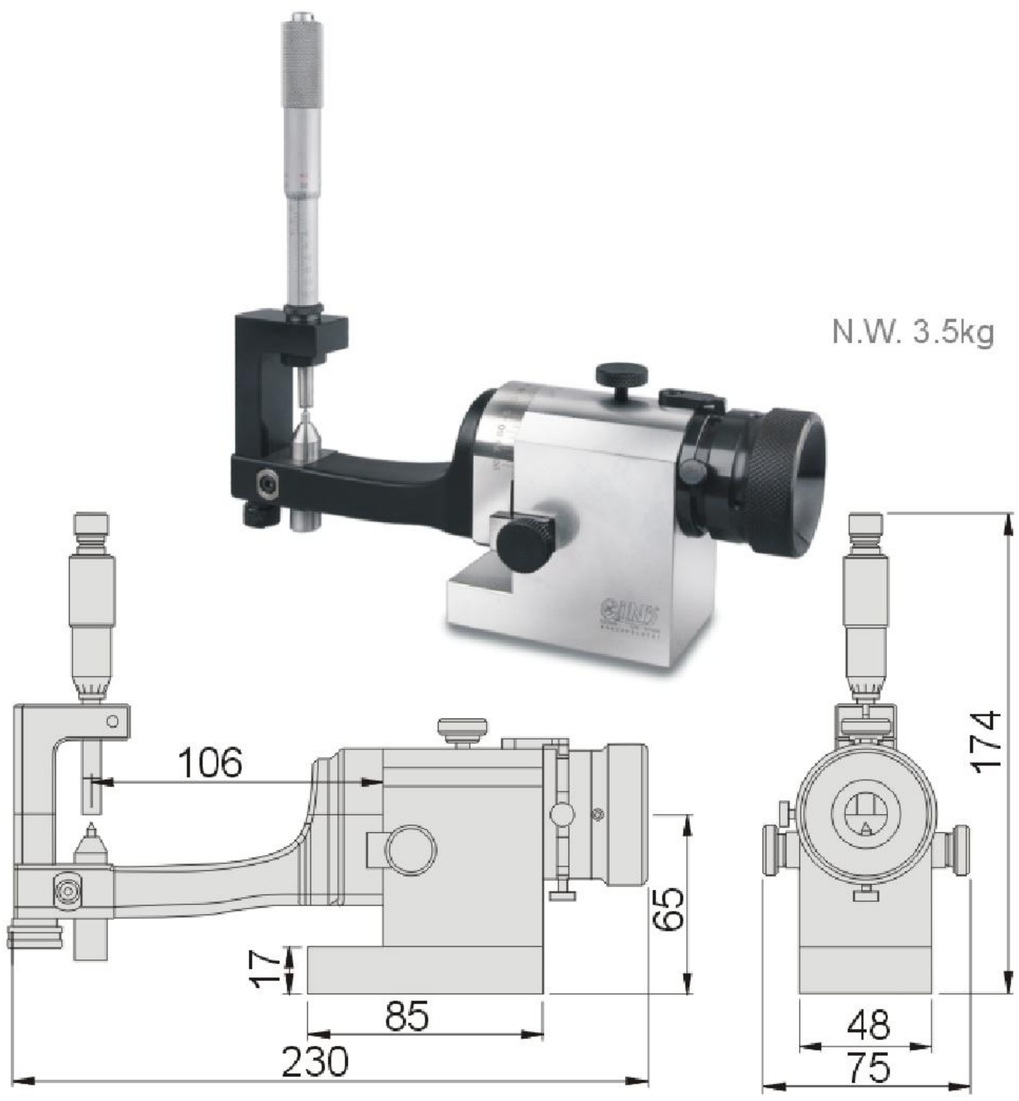


### Main parameters:

| | |
|---|---|
| Center height | 65mm |
| Max. wheel dia. | 205mm |
| Max. Convex radius | 0.2~10mm |
| Max. Concave radius | 0.2~25.4mm |
| Dressing Angle | 95°-0° -95° |
| Tangential travel | 22.5mm |




## 52320 KT50S Visual Radius and Angle Dresser



N.W. 3.5kg




### Features :

- KT50S is mainly applied on surface grinding machine and universal tool grinder.
- By "sighting" the diamond point through the lens, radius and angles can easily be made into various cross sections of flat or curved shapes.

### Main parameters:

| | |
|---|---|
| Center height | 65mm |
| Max. wheel dia. | 205mm |
| Max. Convex radius | 10mm |
| Max. Concave radius | 25.4mm |
| Dressing Angle | 95°-0° -95° |

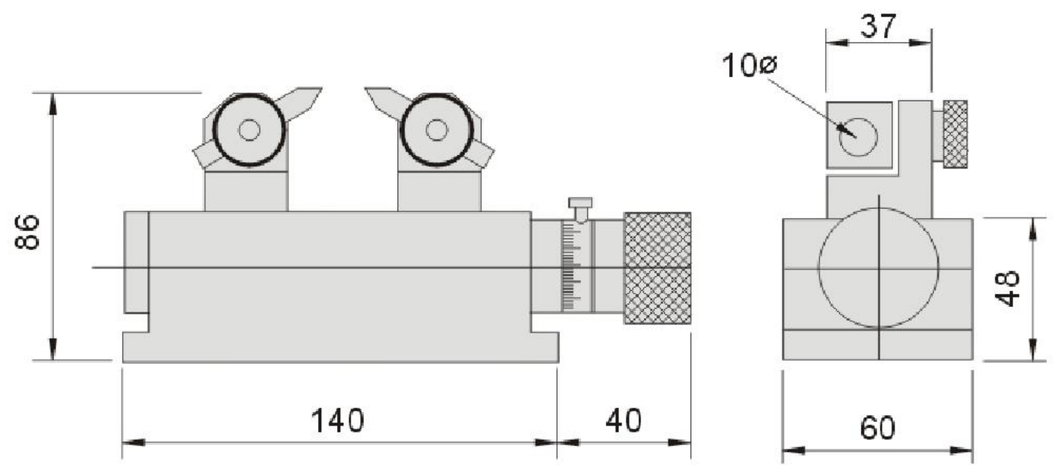
**Wheel Dreesing Applications**



# 52350 DF60 Precision Duplex Dresser



N.W. 3.2kg




## Features :

- DF60 Precision Duplex Dresser is designed to simultaneously dress both sides of a grinding wheel, precisely and without deformation.

**Specifications:**

Maxi width of wheel ····· 40mm(1-9/16")
Maxi dressing depth····· 40mm(1-9/16")
Mini dressing width····· 0.2mm(0.0079")
Graduation·····0.02mm(0.001")

| Max.thickness | Min. | Max. | Min. |
|---|---|---|---|
| 40mm | 0.2mm | 40mm | 0.02mm/DIV |

| Order No. | Model | Spec |
|---|---|---|
| 52350-11 | DF60 | Inch |
| 52350-12 | | Metric |

# 52360 DF50 Precision Duplex Dresser

PAT: 174305
ZL 00 2 31135.6

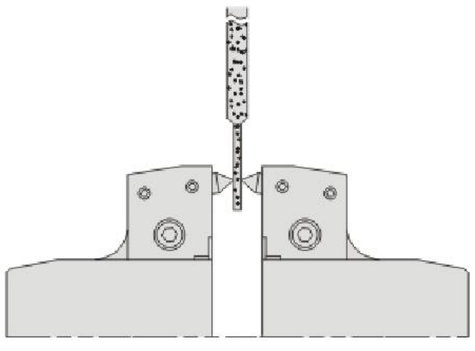


N.W. 3.4kg

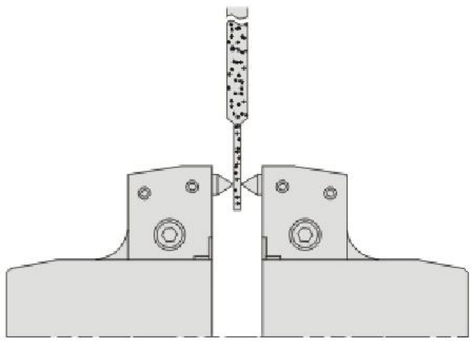
## Features :

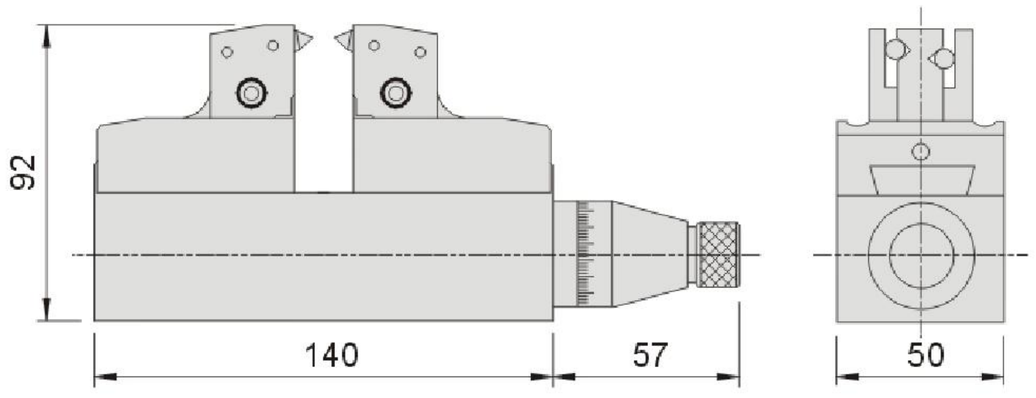
- DF50 Precision Duplex Dresser adopts airtight design can keep the dust out . With it's big interface, it can reach precision steadily when dressing wheels. The thinnest wheel is 0.2mm.
- Diamond movement parallel or angles and aims at center properly. Scale reading 0.01 can be read accurately.

Dressing with Angle



Dressing horizontally





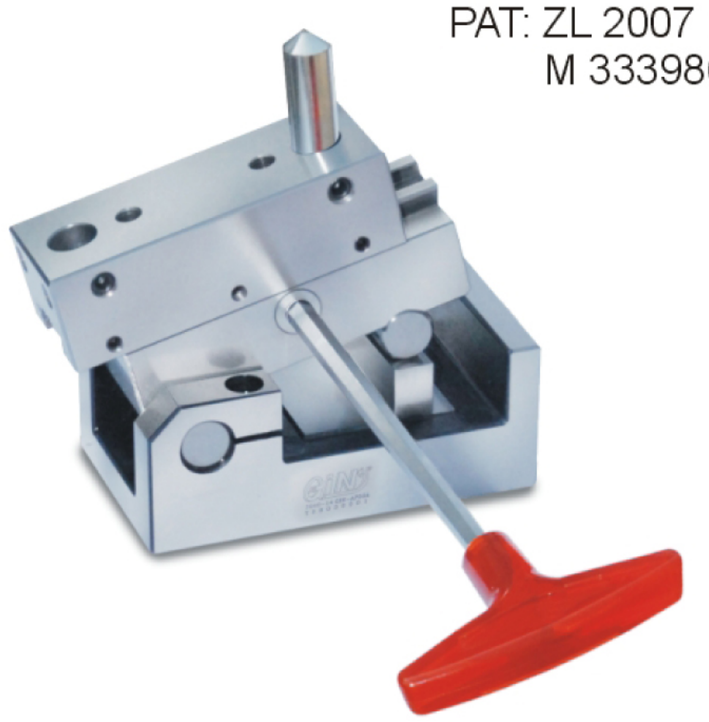

| Max.thickness | Min. | Max. | Min. |
|---|---|---|---|
| 40mm | 0.2mm | 40mm | 0.01mm/DIV |

| Order No. | Model | Spec |
|---|---|---|
| 52360-11 | DF50 | Inch |
| 52360-12 | | Metric |

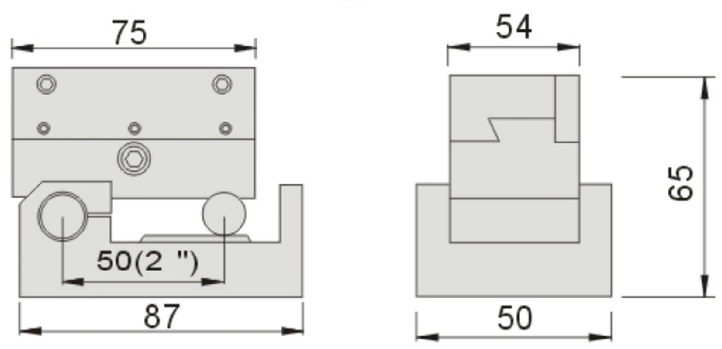
# Wheel Dresser

## 52380 AP50H Angle Sine Dresser

PAT: ZL 2007 2 0196026.3
M 333986



N.W. 1.4kg

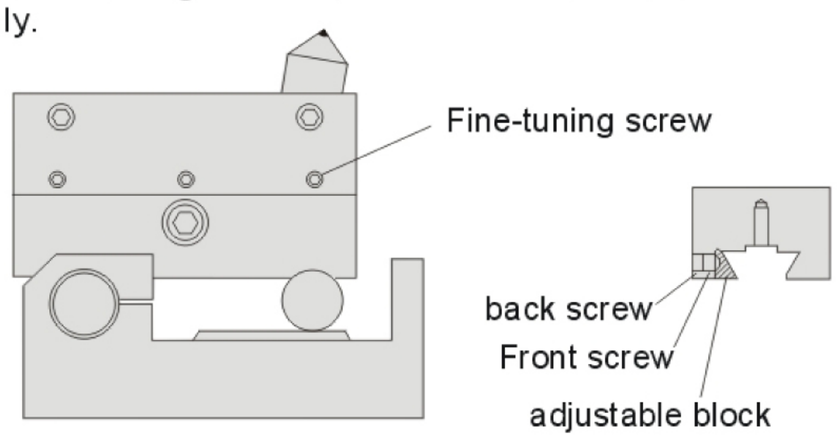



## Features :

- AP50H provides gear driven and it is designed for better prevention and protection for the beginner.
- Double axis center accuracy is ±0.002mm
- It has the same function as model (52400 AP50D).

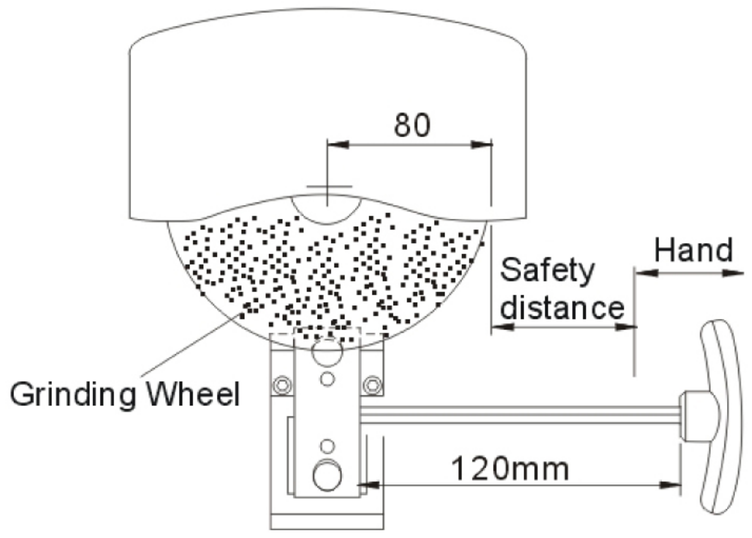
| Order No. | Model | Spec |
|---|---|---|
| 52380-11 | AP50H | Inch |
| 52380-12 | | Metric |

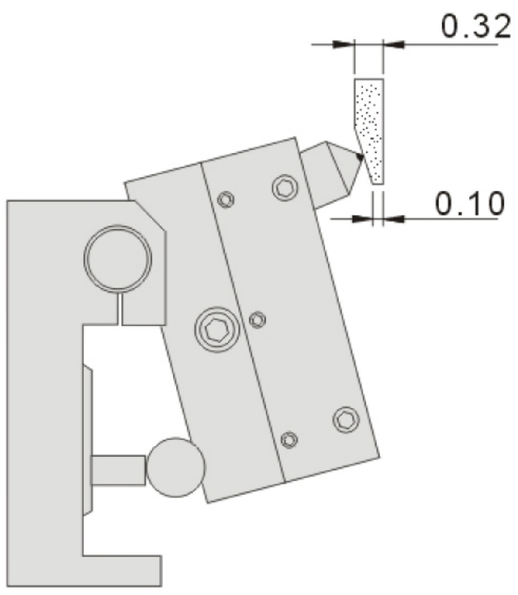
AP50H has three screw holes for fine-tuning purpose, each holes contain two screws, one at the front, the other one at the rear. When adjusting rear screw pushing front screw forward and make the wedge moves, then move the slide until work smoothly.




Before applying AP50H, check the slide is tight or loose, if loose, simply light adjust fine-tuning screw until it smooth. This tool is high precision and capable of dressing any angles.

Applying gears driven to make forward/backward movement and installed with diamond pin on the slide. For safety purpose, hexagon wrench is applied with certain safety distance in order to support user to function AP50H and thus precisely dressing the demand angle.




AP50H has its own Patent and it basically the improved version of original type. Below is the comparison.

| AP50H | AP50 |
|---|---|
| 1.Applying gears driven<br>2.Safety distance when applying<br>3.Three fine-tuning screw at side<br>4.Easy to achieve precision dressing for any user | 1.Applying manually<br>2.Close to wheel when applying<br>3.No fine-tuning function<br>4.Must have specialist to make precision dressing |
|  |  |

# 52400 AP50 Angle Sine Dresser



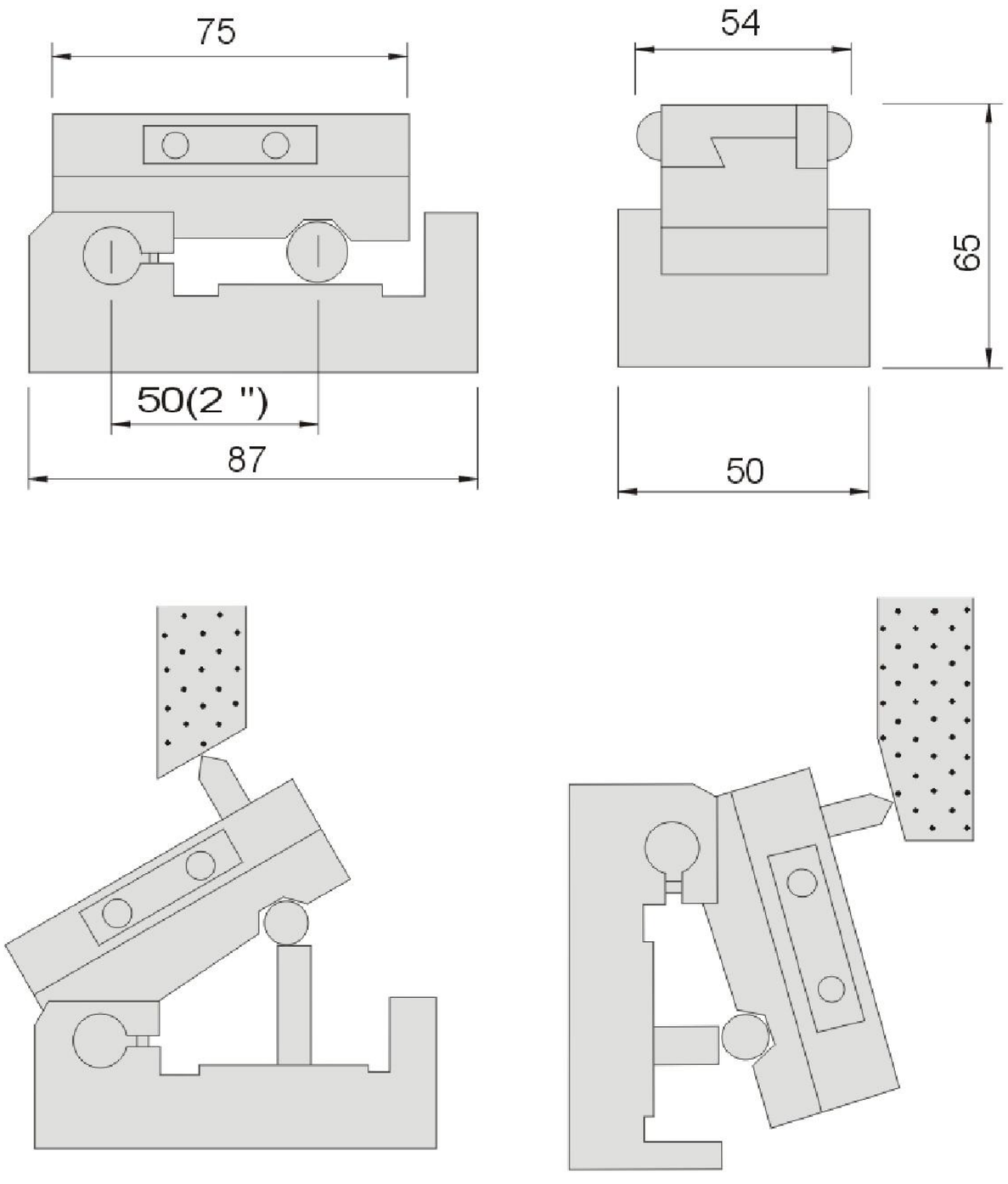
PAT: 191154
ZL 99 2 11094.7




N.W. 1.4kg

## Features :

- AP50 has various Patents, regardless inconvenience of the conventional Angle Sine Dresser, release screws on both side and free to adjust any needed angle.
- Remove the slide block and it can be used as 50mm Sine Plate.
- Suitable for vertical or horizontal angles, sine angle 0-60° (horiontal), 45-90°(vertical) and both are within 0.005mm accuracy.
- Double axis accuracy is ±0.002mm




| Order No. | Model | Spec |
|---|---|---|
| 52400-11 | AP50 | Inch |
| 52400-12 | | Metric |

# Wheel Dresser

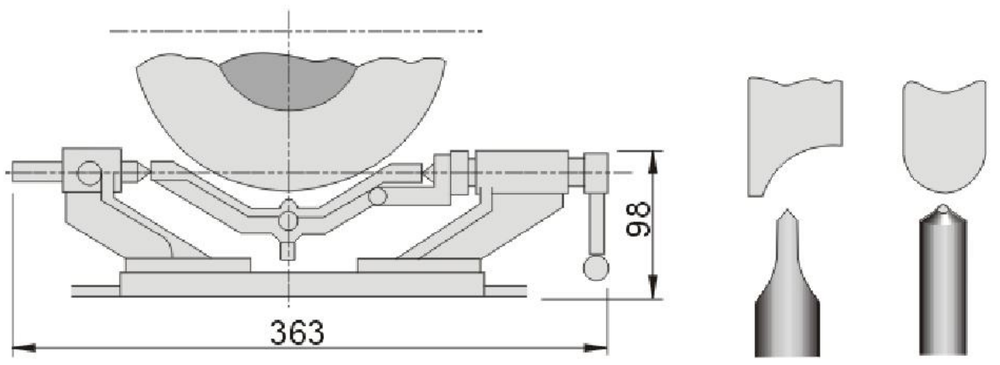
## 52430 RD30 Precision Concave Convex Forming Dresser



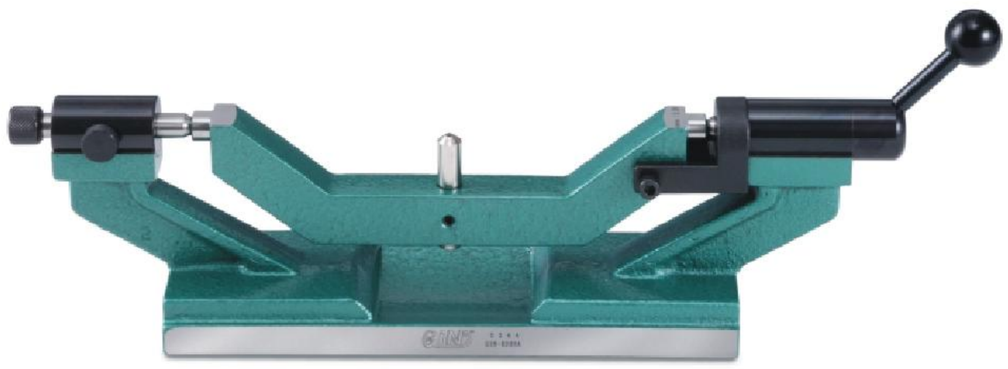
N.W. 2.6kg

### Features :

- RD30 is accurately controlled by handle, suitable for small convex/concave dressing, Convex R0.2~12mm, Concave R0.2~20mm.
- Suitable for applying wheel under ∅205mm



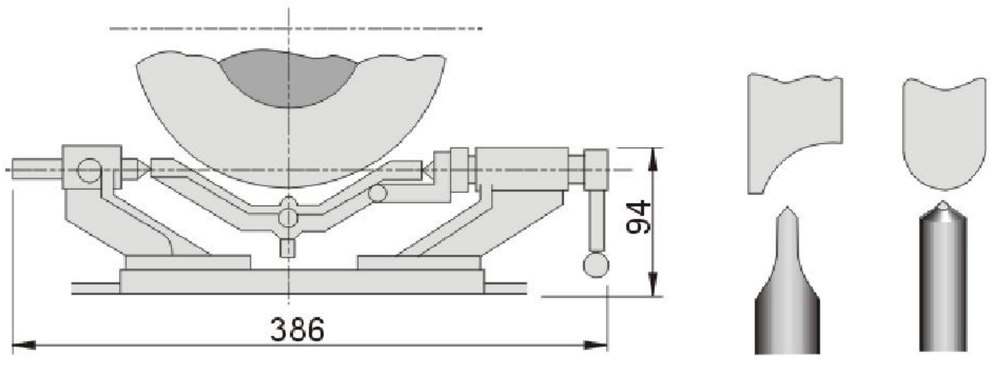

## 52440 RD30A Precision Concave Convex Forming Dresser



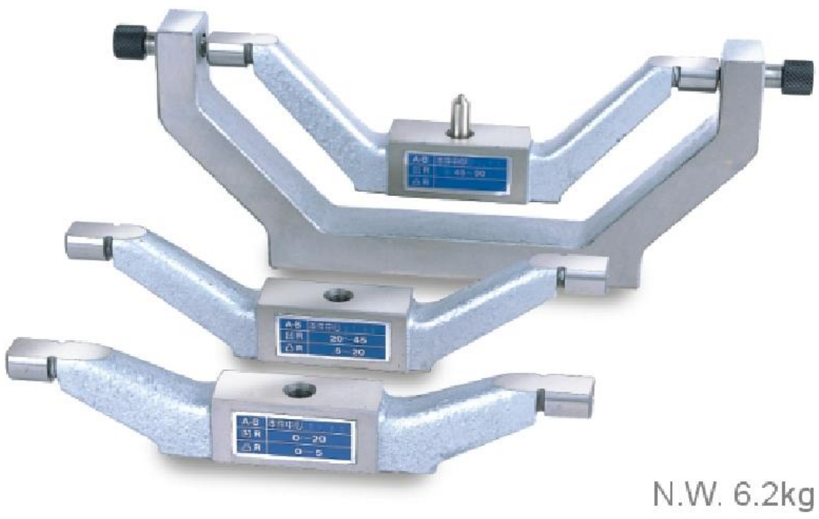
N.W. 2.8kg

### Features :

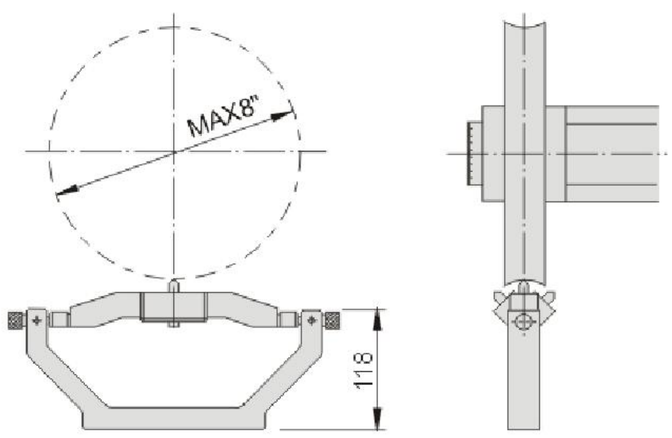
- RD30A is accurately controlled by handle, suitable for small convex/concave dressing, Convex R0.2~12mm, Concave R0.2~20mm.
- Suitable for applying wheel under ∅205mm




## 52450 RD40 Concave Convex Forming Dresser

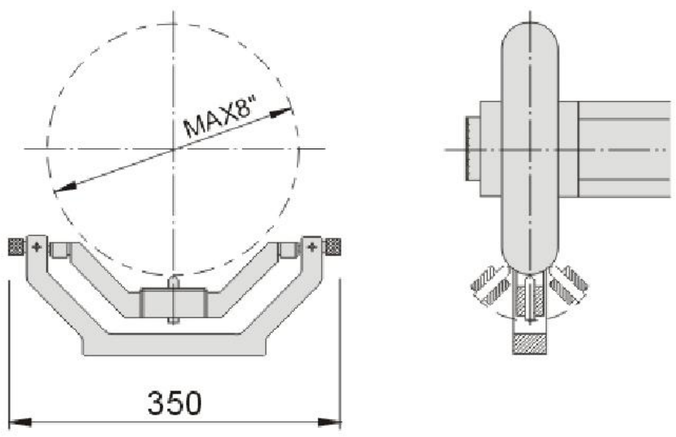


N.W. 6.2kg




### Features :

- This medium type dresser is applied to surface grinders for convex and concave dressing.
- Suitable for wheels under 8" (∅205mm).
- Work range : Convex R0.5-40mm
- Concave R0.5-90mm



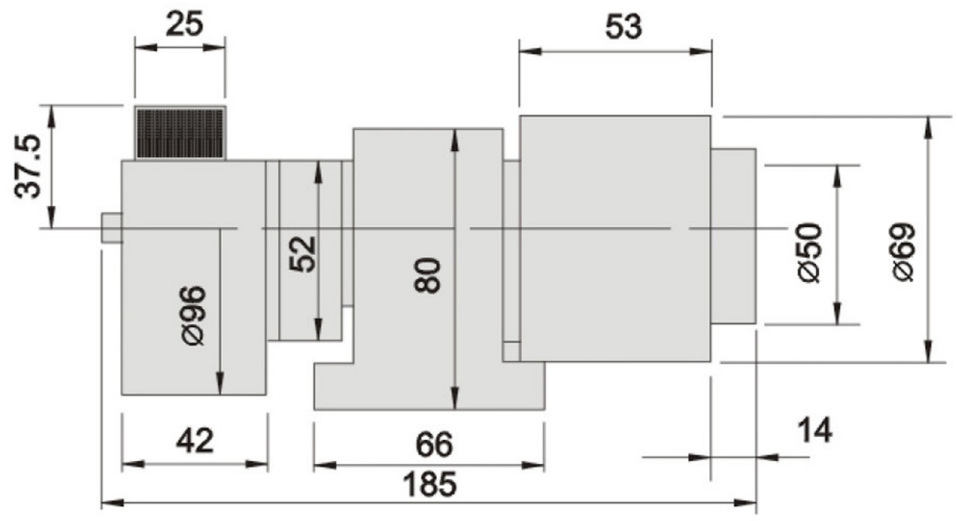
## 52500 DT100 Diamond Wheel Trimmer



N.W. 4.5kg

### Features :

- DT100 is designed for dress peripheral wheels on machines with a vertical or horizontal spindle.
- The diamond wheel can be changed depending on the wheel that is going to be dressed. Especially, CBN or Diamond.



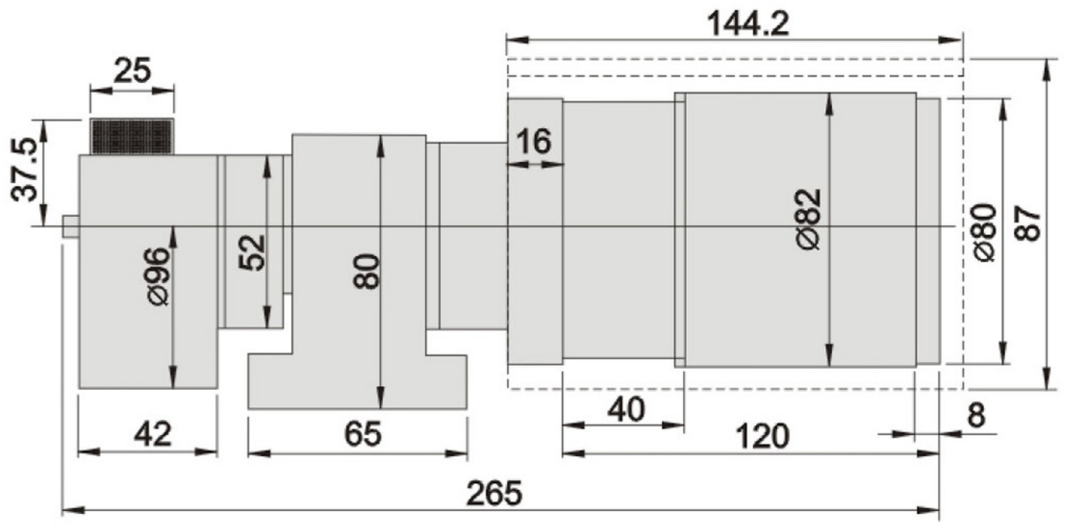

## 52550 DTM100 Motorised Diamond Wheel Trimmer



N.W. 6.0kg

### Features :

- Motorised resin emery wheel can dress the diamond wheel flatness easily
- The diamond wheel can be changed depending on the wheel that is going to be dressed. Especially, CBN or Diamond.
- Roller driving motor 110V/60HZ ..... 129rpm
- Roller driving motor 220V/50HZ ..... 108rpm




| Order No. | Model | Volts |
|---|---|---|
| 52550-110 | DTM100 | AC110V 1Phase |
| 52550-220 | | AC220V 1Phase |

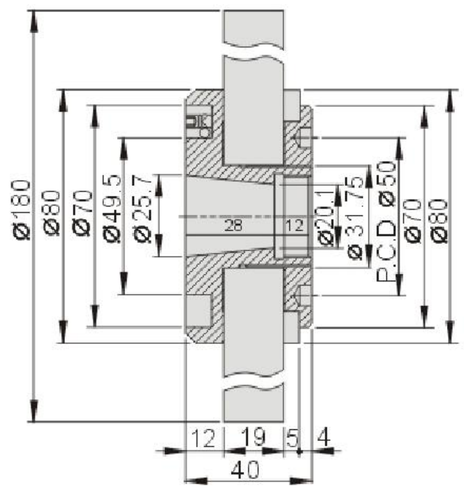
## 52554 F250 F250 Flange

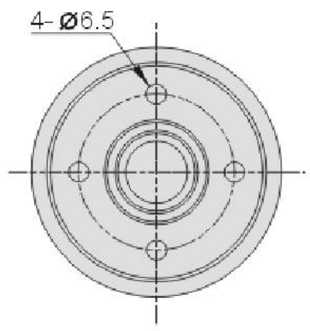


N.W. 0.7kg

### Features :

- F250 Flange is used in cylinder of KENT grinding machines.



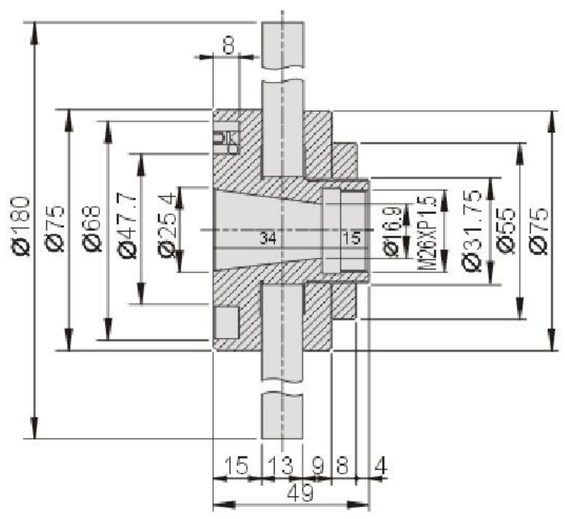

## 52556 F350 F350 Flange



N.W. 0.9kg

### Features :

- F350 Flange is used in cylinder of TATUNG-OKUMA grinding machines.



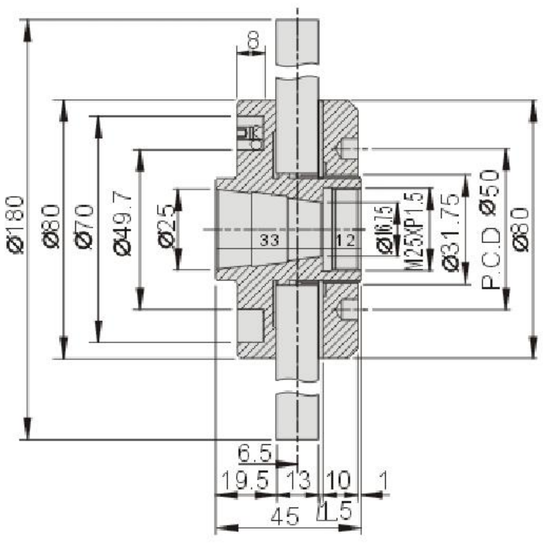

## 52558 F450 F450 Flange

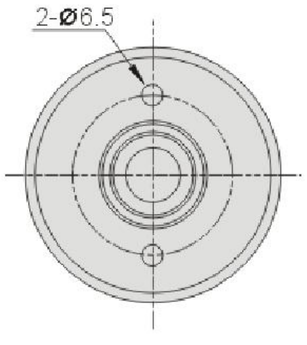


N.W. 0.9kg

### Features :

- F450 (USA) is used in cylinder of US standard grinding machines.



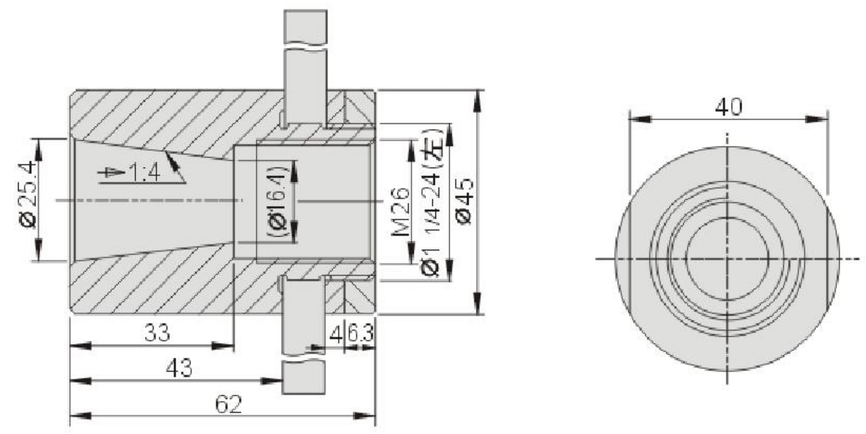
## 52560 F300 F300 Flange



N.W. 0.6kg

### Features :

- F300 is applied to 614, 618 surface grinding machine.



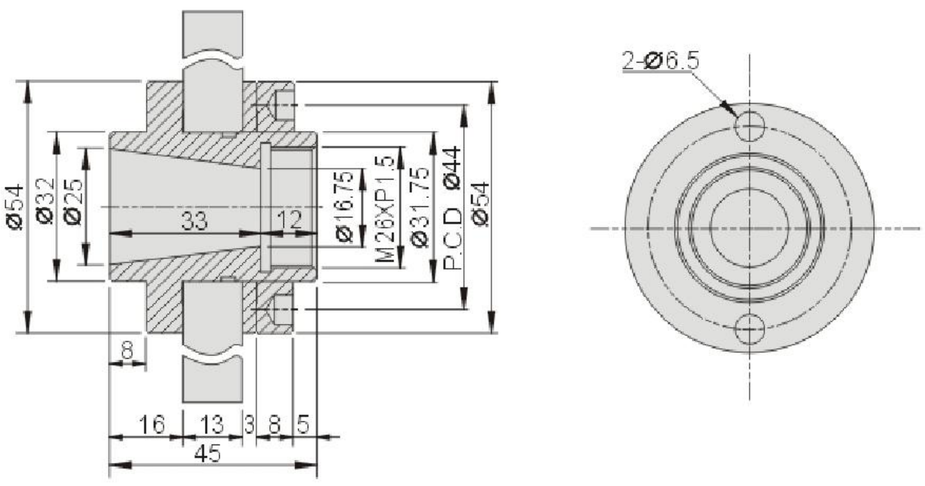

## 52562 F320 F320 Flange



N.W. 0.4kg

### Features :

- F320 is used for cylinder of Tool Grinder.



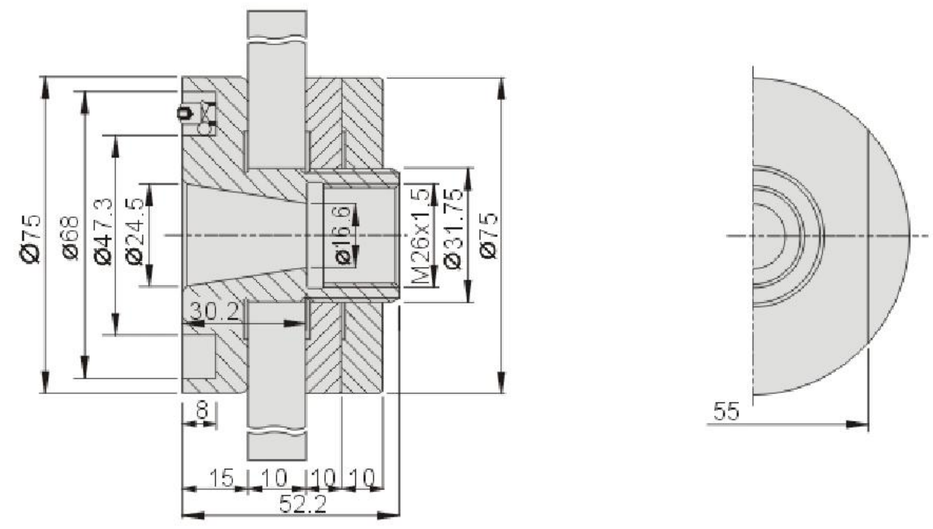

## 52564 F520 F520 Flange



N.W. 1.0kg

### Features :

- F520 is used in OKAMOTO 52DX cylinder and control the tolerance within 0.003mm.



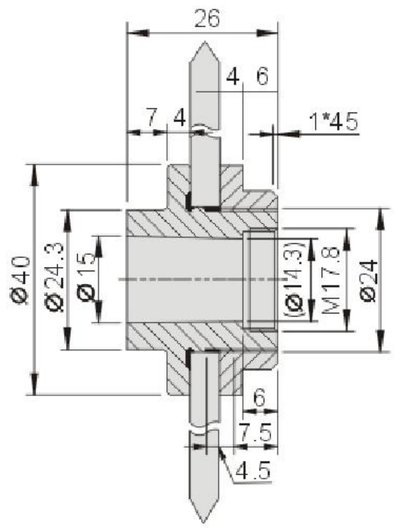
## 52566 W20 W20 Flange

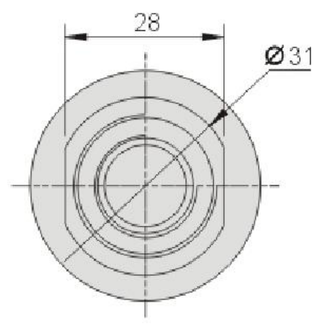


N.W. 0.1kg

### Features :

- W20 is used in WAIDA Optical Profile Grinder.



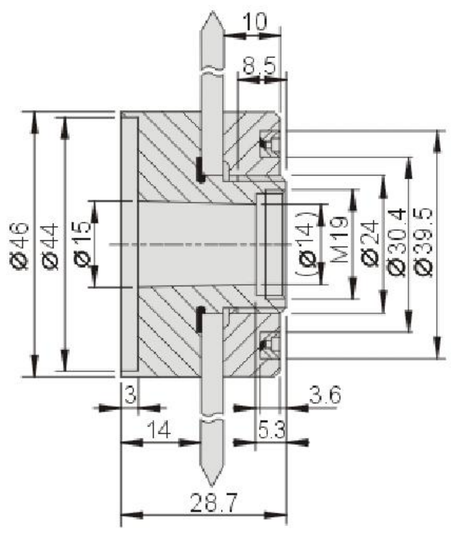

## 52568 W40 W40 Flange

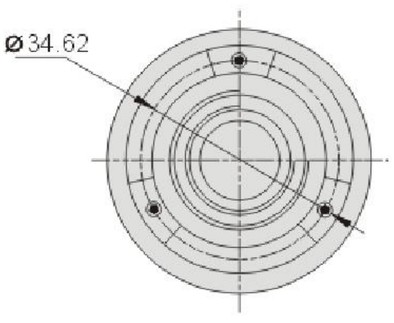


N.W. 0.2kg

### Features :

- W40 is used in WAIDA Optical Profile Grinder.



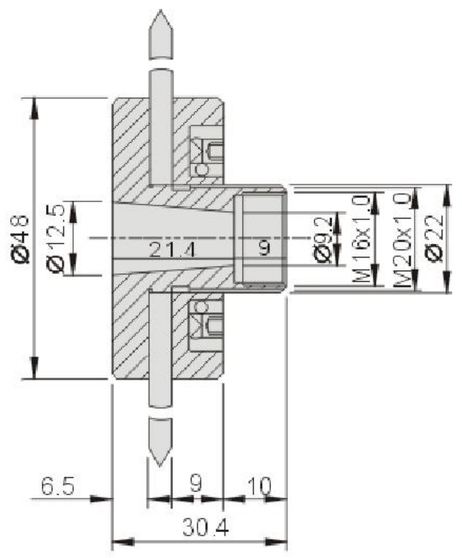

## 52570 P60 P60 Flange

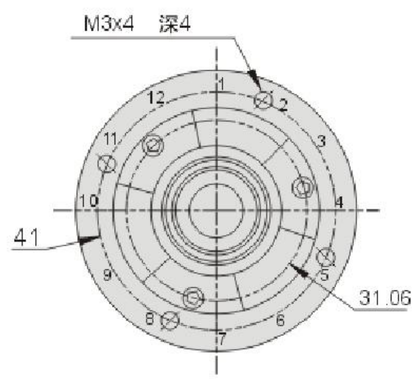


N.W. 0.2kg

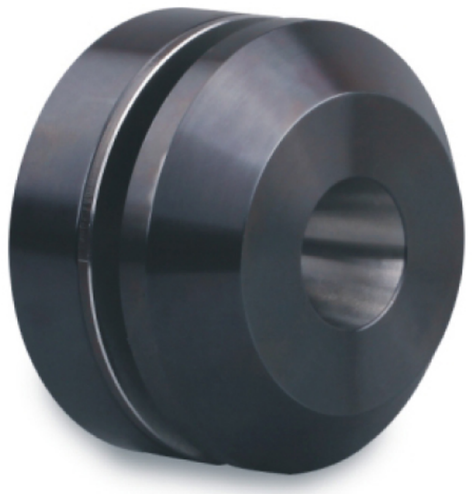
### Features :

- P60 is used in Petewe Optical Profile Grinder.



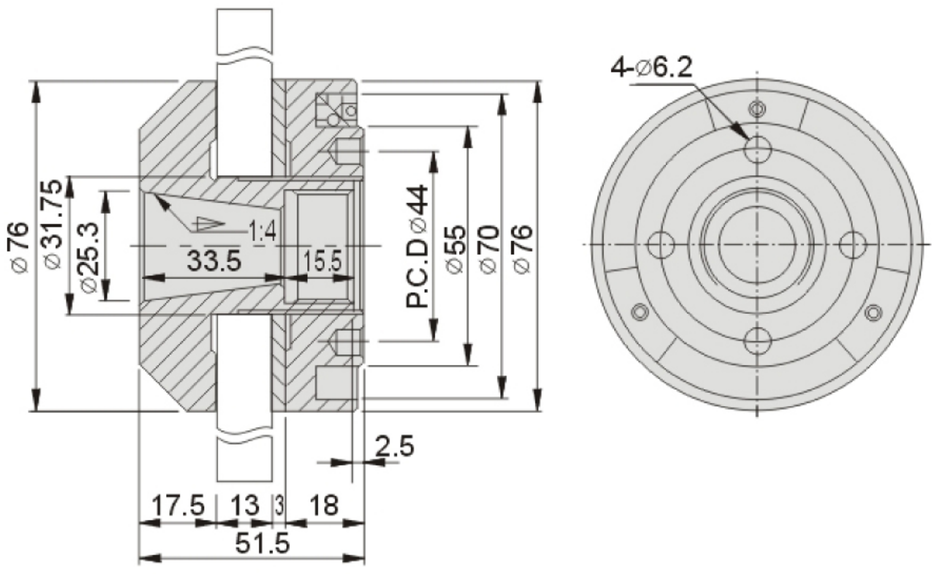
## 52572 FC110 FC110 Flange



N.W. 1.1kg

### Features :

- Suitable for applying on WASINO Grinders.



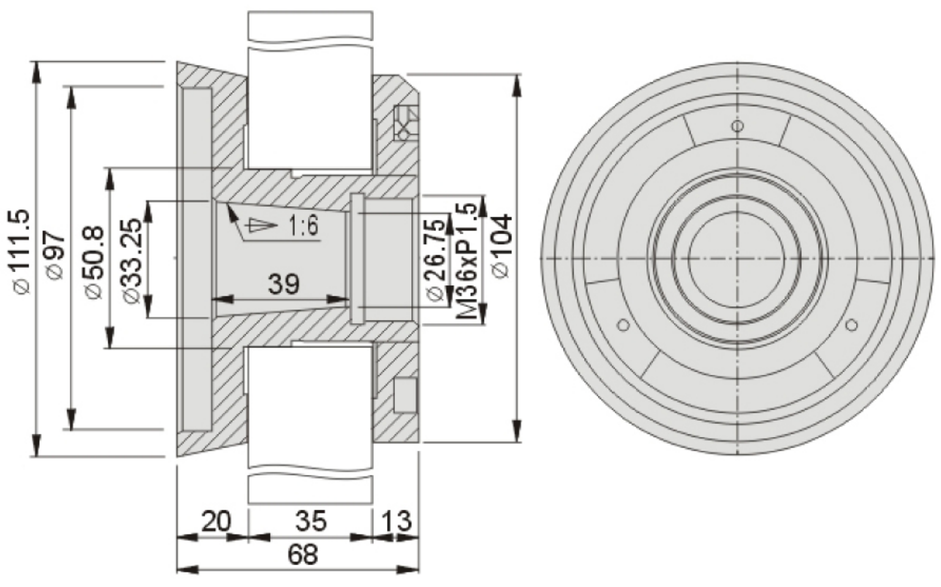

## 52574 FC520 FC520 Flange



N.W. 1.95kg

### Features :

- Suitable for OKAMOTO ACC-52DX Grinders.



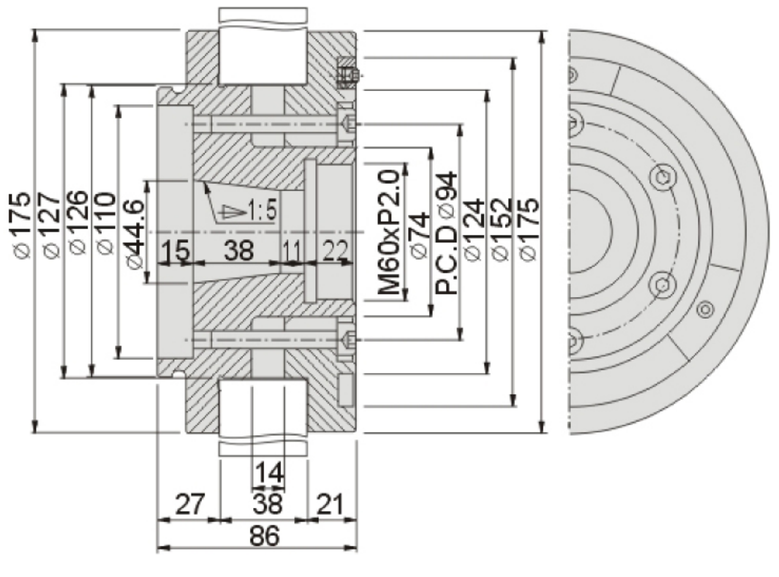

## 52576 FC630 FC630 Flange



N.W. 2.2kg

### Features :

- Suitable for OKAMOTO ACC-63DX, TATUNG PSG-64 Grinders.



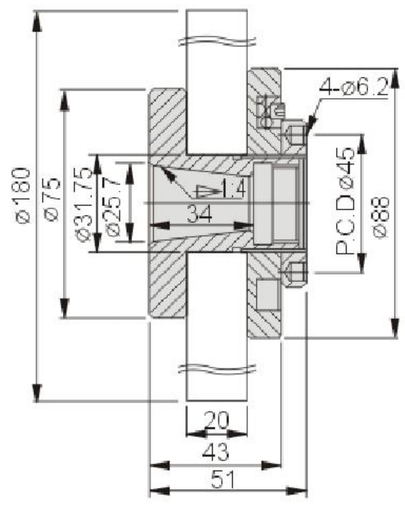
## 52578 FEB10 FEB10 Flange



N.W. 1kg

### Features :

- Laser mark graduation reading on plates
- Suitable for TATUNG EN350 Grinders.





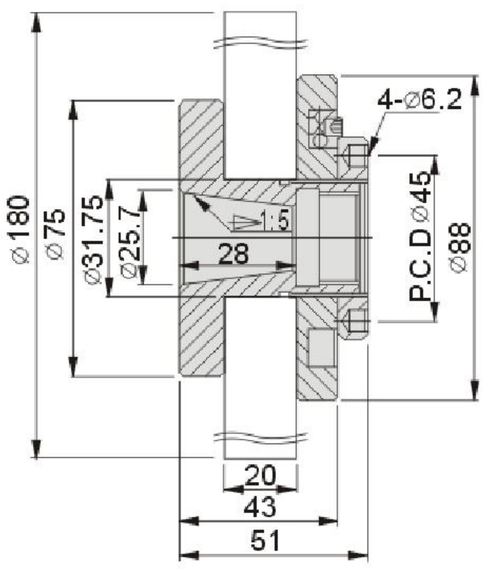

## 52580 FEB15 FEB15 Flange



N.W. 1kg

### Features :

- Laser mark graduation reading on plates
- Suitable for KENT EN250 Grinders.





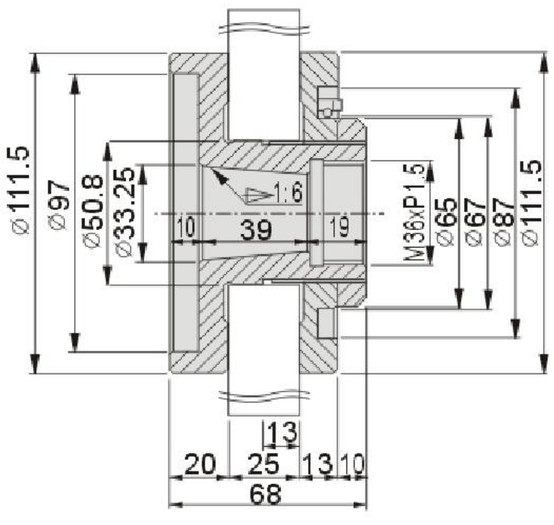

## 52582 FEB18 FEB18 Flange



N.W. 2.2kg

### Features :

- Laser mark graduation reading on plates
- Suitable for OKAMOTO ACC-52DX Grinders.





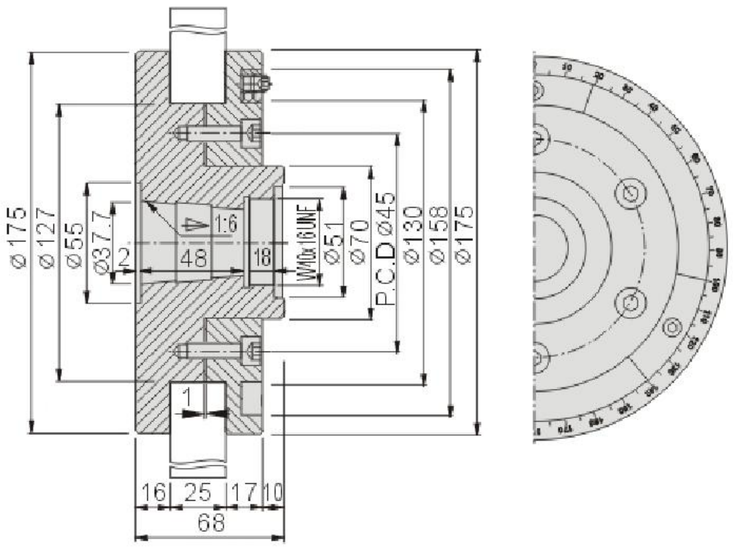

## 52584 FEB20 FEB20 Flange



N.W. 8kg

### Features :

- Laser mark graduation reading on plates
- Suitable for KENT 410 Grinders.



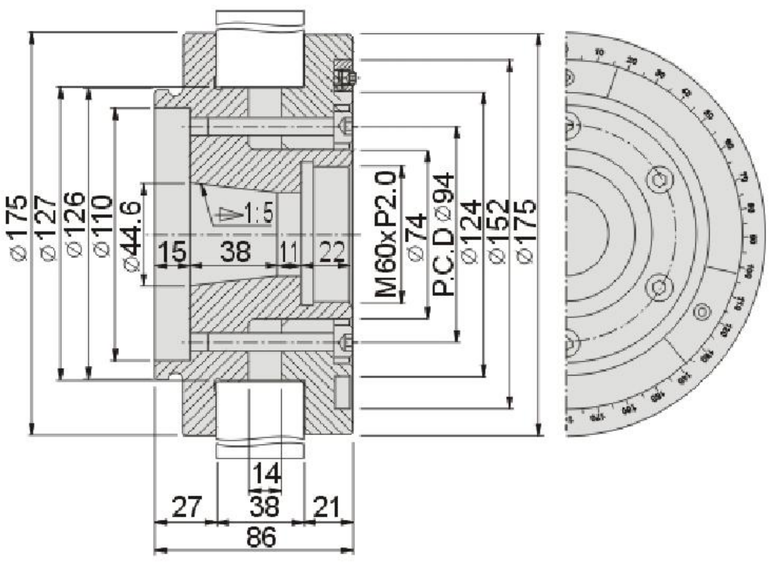

## 52586 FEB22 FEB22 Flange



N.W. 8kg

### Features :

- Laser mark graduation reading on plates
- Suitable for OKAMOTO ACC-63DX, TATUNG PSG-64 Grinders.



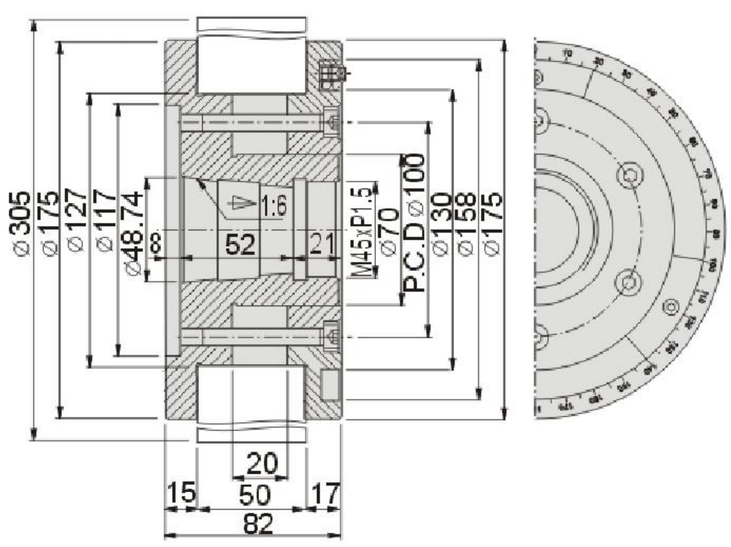

## 52588 FEB25 FEB25 Flange



N.W. 2.2kg

### Features :

- Laser mark graduation reading on plates
- Suitable for KENT 515 3rd generation Grinders.



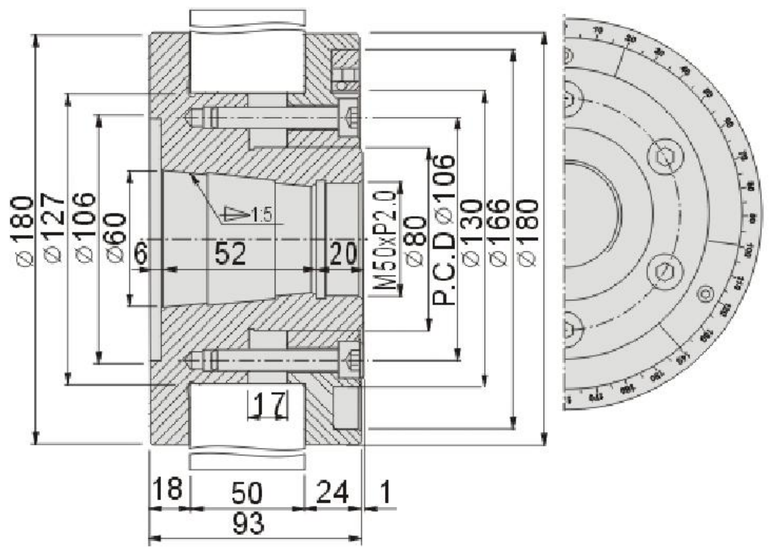
# Grinding Machine Accessories

## 52590 FEB30 FEB30 Flange



### Features :

- Laser mark graduation reading on plates
- Suitable for CHEVALIER 0701 Grinders.

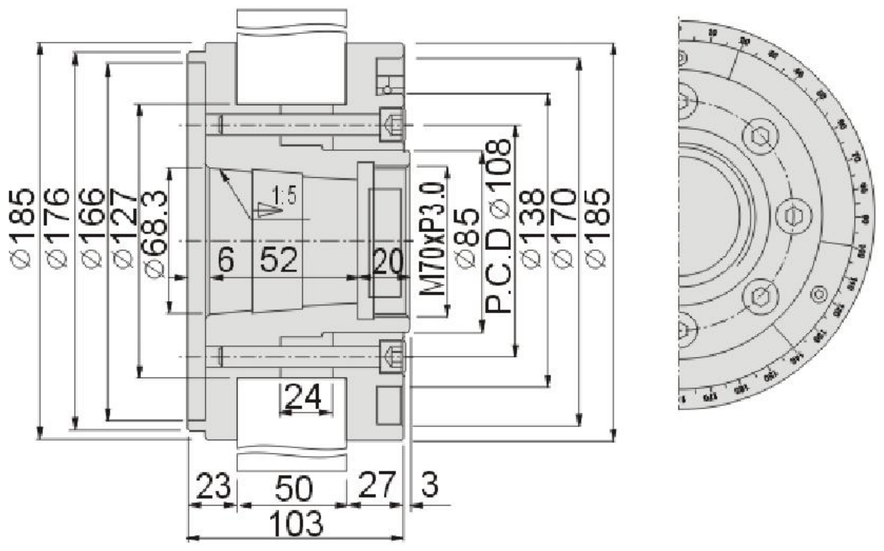



## 52592 FEB35 FEB35 Flange



### Features :

- Laser mark graduation reading on plates
- Suitable for KENT 816 Grinders.

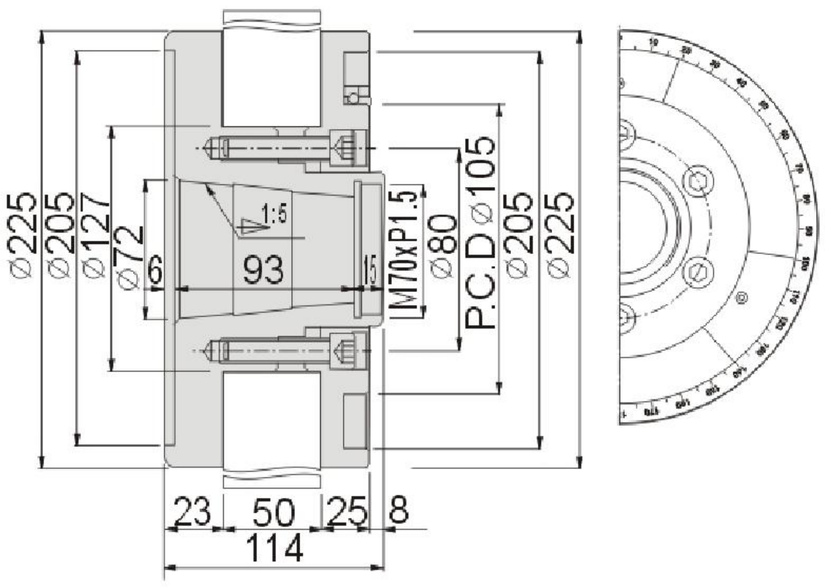



## 52594 FEB40 FEB40 Flange



### Features :

- Laser mark graduation reading on plates
- Suitable for large OKAMOTO Grinders.

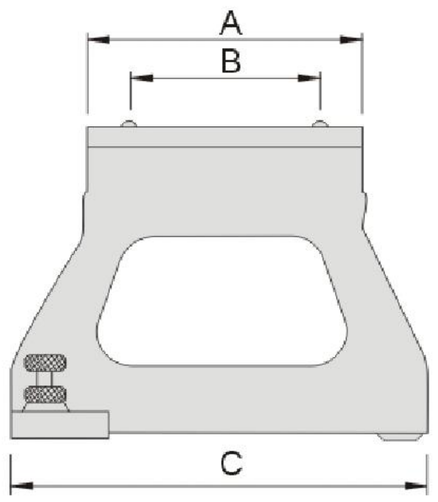


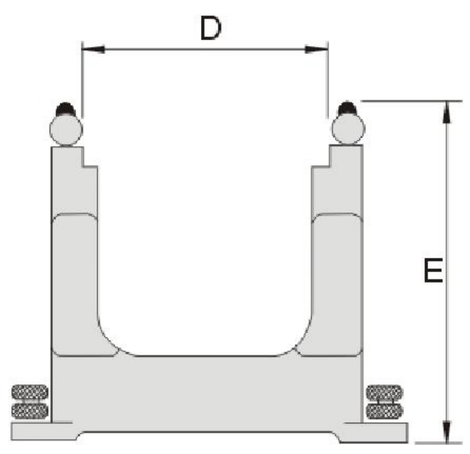
## 52596 LBS08、14 Level Balancing Stand



### Features :

- The machine includes a level which can be adjusted by three screws on the machine.
- Upper round rod and the slide surface had taken heat treatment, hardness 56°-58°.
- Max. applicable dia. of wheel: LBS08 ····· 205mm
  LBS14 ····· 355mm




Unit:mm

| Order No. | Model | Max. Applicable Dia | A | B | C | D | E | N.W. |
|---|---|---|---|---|---|---|---|---|
| **52596-08** | LBS08 | 205 | 155 | 130 | 226 | 115 | 185 | 4kg |
| **52596-14** | LBS14 | 355 | 180 | 160 | 260 | 125 | 235 | 4.6kg |

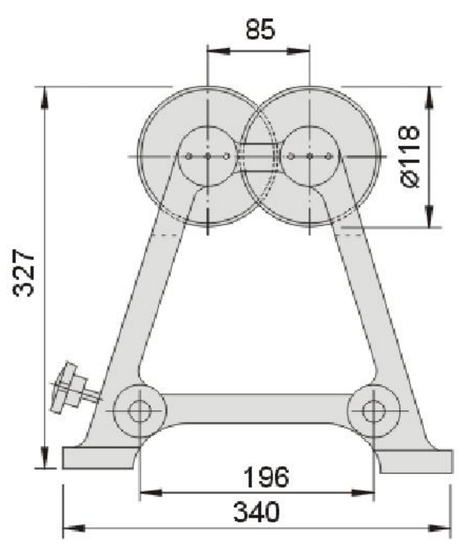
## 52598 WBS300 Wheel Balancing Stand

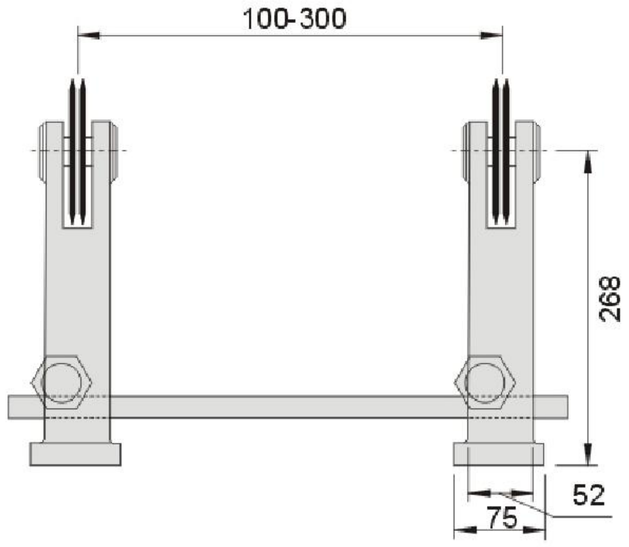


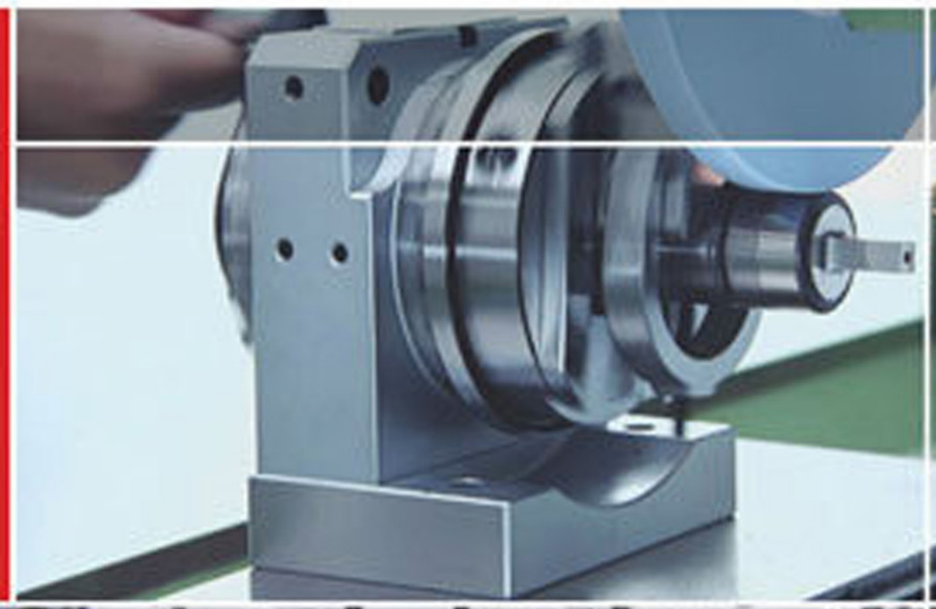
N.W. 14kg

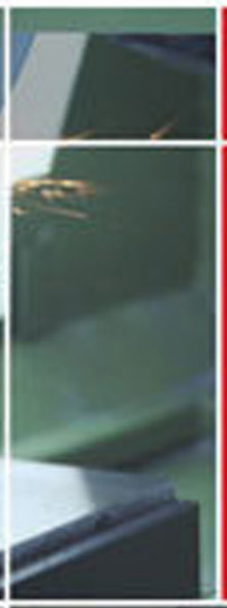
### Features :

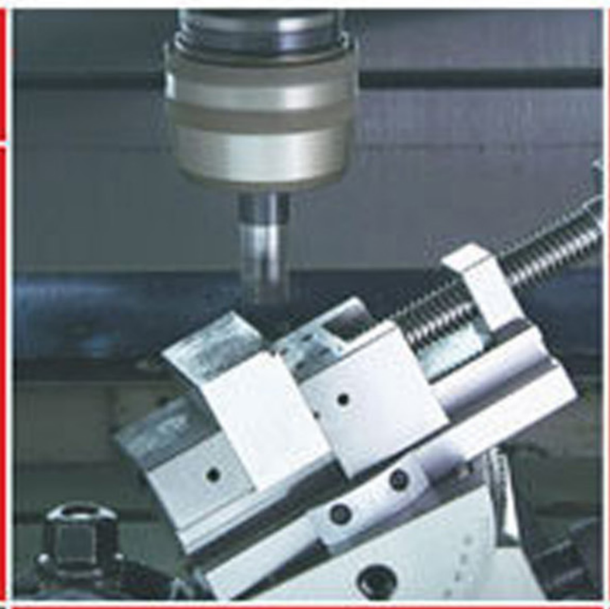
- This machine adopts 4 intersect rollers to move the wheel.
- Hardness: HRC 56°-58°.
- Max. range of the two side-rollers is 300mm.
- Max. applicable dia. of wheel: 508mm.



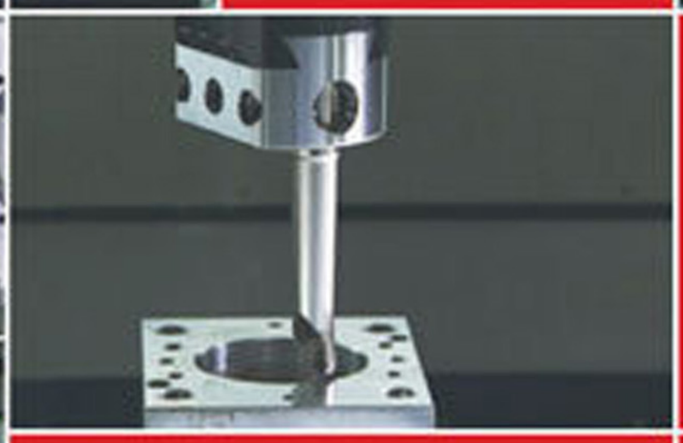













Agent/ Distributor


**GIN CHAN MACHINERY CO., LTD.**

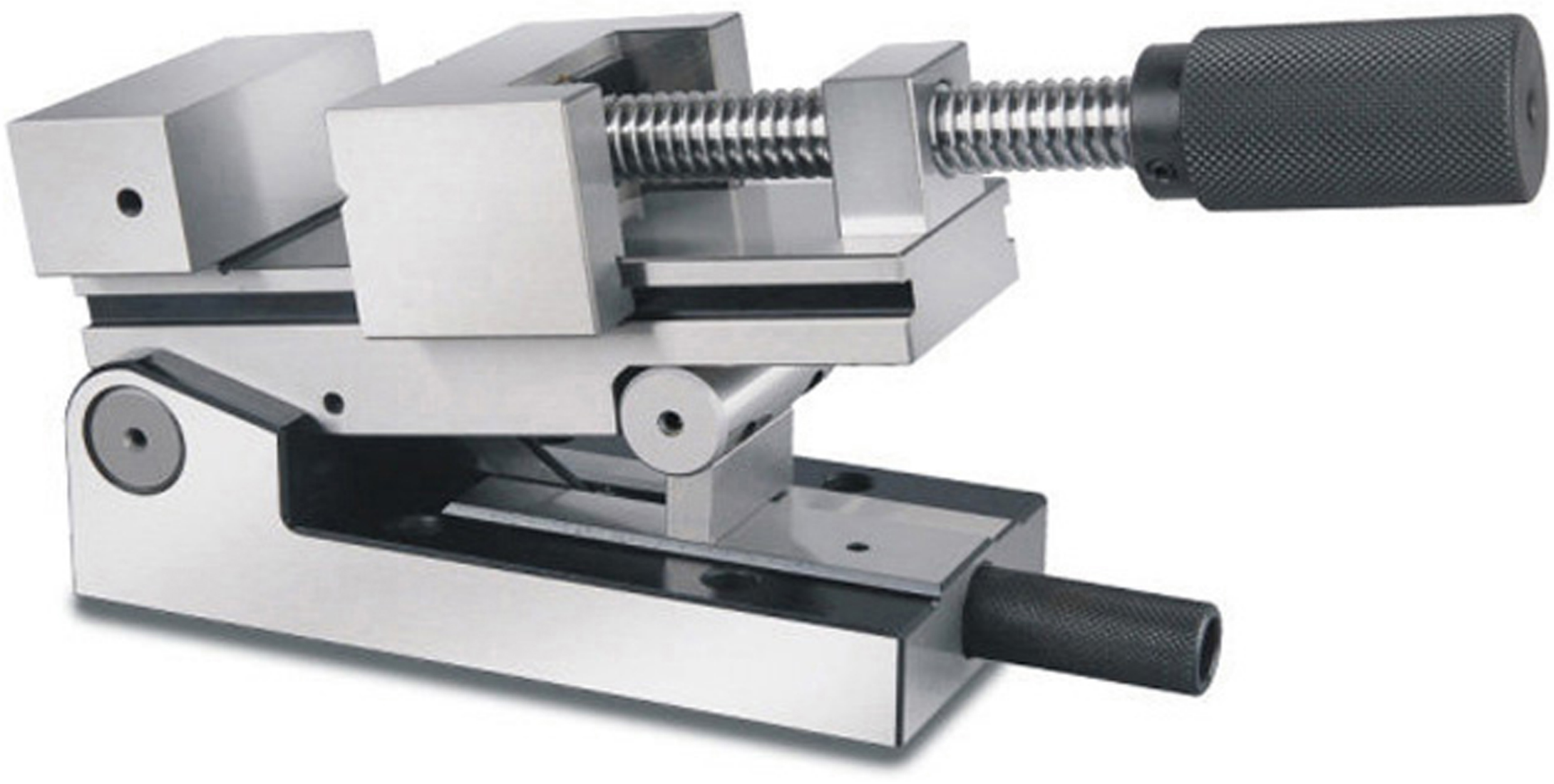
No 7, Lane 341, Sec. 1, Bau An Street, Shulin Dist.,
23841 New Taipei City, Taiwan
Tel: 886-2-2681-8596 (Rep.)  Fax: 886-2-2681-8516
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TAIWAN EXCELLENCE

# Tool Maker Vise

## Grinding Accessories



B01-B48

## B01~10 Tool Maker Vise (Stainless)



52700 B01



52715 B01



52720 B01



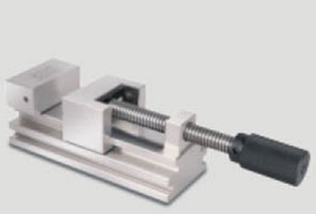
52725 B01



52730 B02



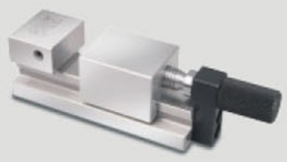
52735 B02



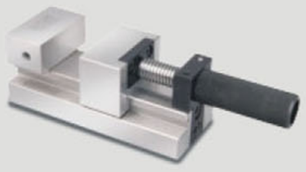
52740 B02



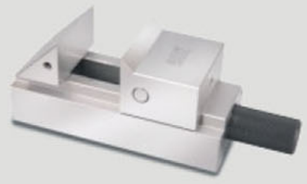
52745 B02



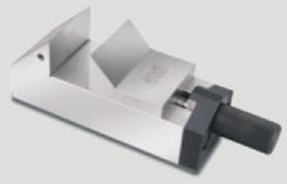
52750 B03



52755 B03



52760 B03



52765 B03



52770 B04



52775 B04



52780 B04



52790 B04



52800 B05



52820-60/70 B07



52820-90 B07



52830 B09

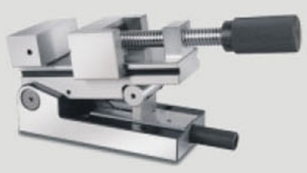


52840 B10



52850 B10

## B11~16 Tool Maker Vise



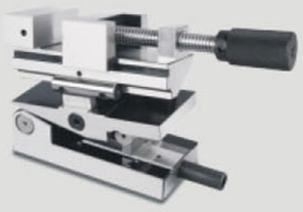
52860 B11



52870 B11



52880 B12



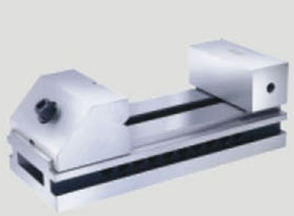
52890 B12



52900 B13



52910 B13



52920 B14



52930 B14



52940 B15



52950 B15



52960 B16



52970 B16

# INDEX

## B17~26 Wire EDM Clamp (Stainless)



53000 B17


53005 B17


53010 B17


53015 B18


53020 B18


53025 B18


53030 B19


53035 B19


53040 B20


53045 B20


53050 B21


53055 B21


53060 B22


53065 B22


53068 B23


53070 B24

53100 B25


53105 B25


53110 B25


53112 B26


53115 B26


53120 B26

## B27~36 Wire EDM Clamp (Stainless)


53125 B27


53130 B27


53135 B28


53140 B28


53145 B29


53148 B30


53150 B31


53155 B31


53160 B31


53165 B32


53168 B33


53170 B33


53175 B34


53180 B35


53185 B36

## B37~48 EDM Fixture Clamp (Stainless)


53200 B37


53210 B37


53210-00 B39


53210-03/04/05 B40


53210-07/08 B41


53210-09/10 B42


53300 B43


53310 B43


53320 B43


53330 B44


53340 B44


53342 B45


53346 B45


53350 B46

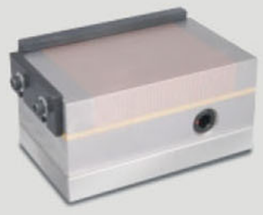

53360 B46


53370 B46


53380 B46


53390 B47

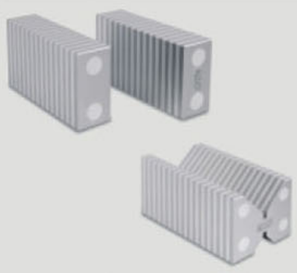

53400 B47

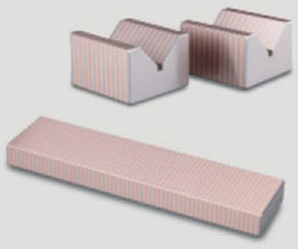

53410 B47


53420 B47

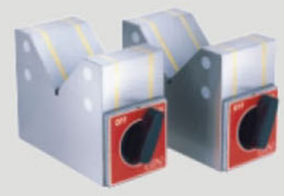
## C01~12 Induction Block / Sine Magnetic Chuck


54000 C01


54010 C01


54020 C02


54030 C03


54040 C04


54050 C05


54060 C06


54070 C06


54080 C07


54090 C07


54100 C08


54110 C09


54120 C09


54130 C10


54140 C10


54150 C11


54160 C11


54170 C12

# Stainless Tool Maker Vise

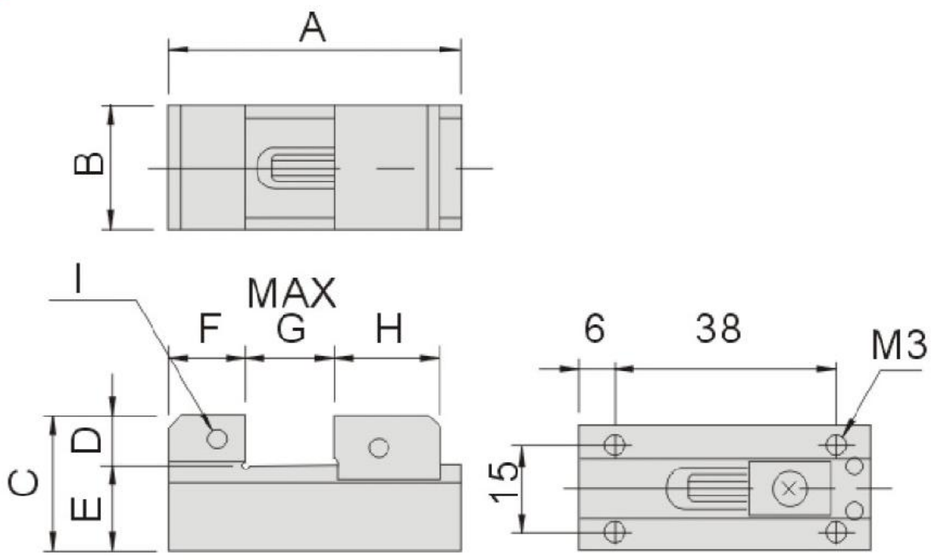
Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.003mm/100mm

Unit:mm

## 52700 VJ10

- A delicate vise and suitable for clamping precision workpiece





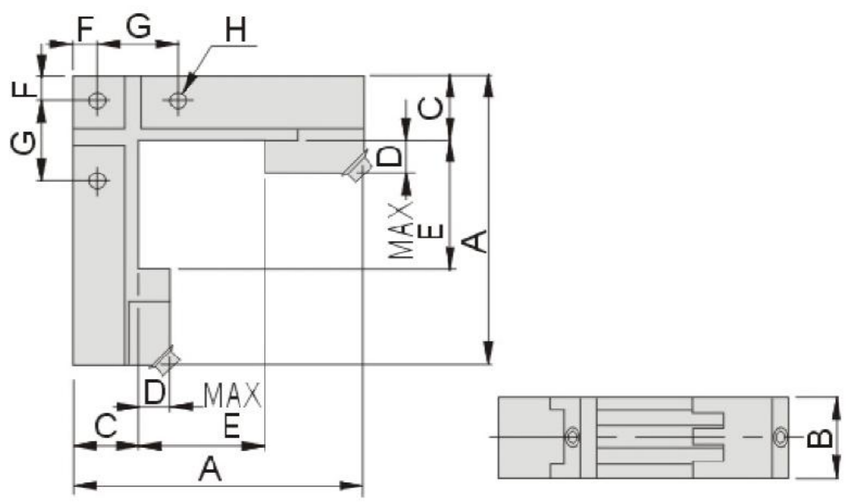

| Spec \ Model | VJ10 |
|---|---|
| A | 50 |
| B | 21 |
| C | 23.5 |
| D | 8.5 |
| E | 15 |
| F | 13 |
| G | 15 |
| H | 18 |
| I | M3 |
| N.W. | 0.15kg |

TOOL MAKER VISE

## 52715 VLW10

- Two way clamping and suitable for applying in EDM machine






| Spec \ Model | VLW10 |
|---|---|
| A | 90 |
| B | 25 |
| C | 20 |
| D | 10 |
| E | 40 |
| F | 7.5 |
| G | 25 |
| H | M5 |
| N.W. | 0.5kg |

## 52720 VL10

- Compact version precision vise, suitable for small precision workpiece, applyby wrench.
- VL10-2 has step groove on jaws.

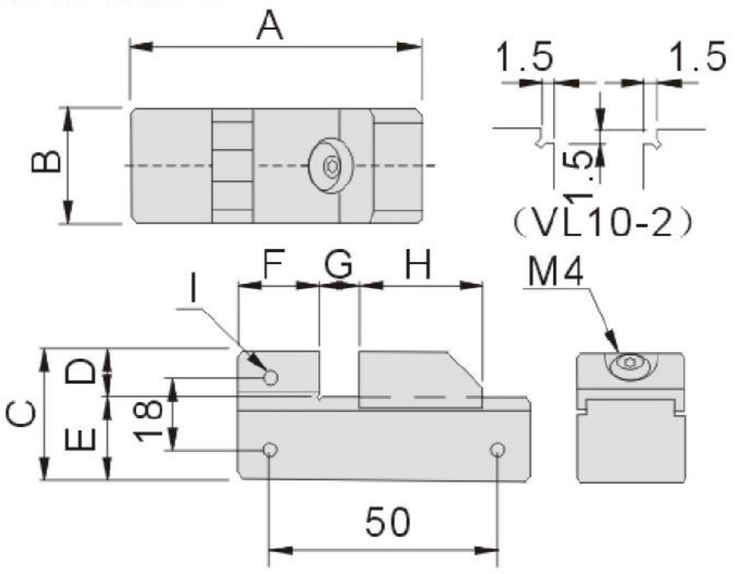


VL10-1



VL10-2

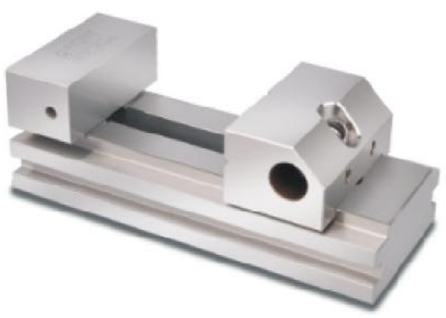
52720-01 VL10-1
52720-02 VL10-2



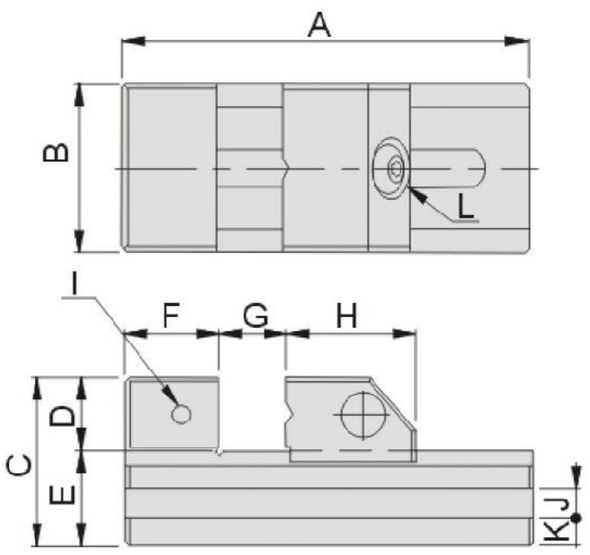

| Spec \ Model | VL10-1 | VL10-2 |
|---|---|---|
| A | 65 | 65 |
| B | 25 | 25 |
| C | 32 | 32 |
| D | 12 | 12 |
| E | 20 | 20 |
| F | 20 | 20 |
| G | 20 | 20 |
| H | 25 | 25 |
| I | M4 | M4 |
| N.W. | 0.25kg | 0.25kg |

## 52725 VL20/30

- Suitable for high precision processing grinding / milling / EDM...apply by wrench to lock tight.



52725-20 VL20
52725-30 VL30



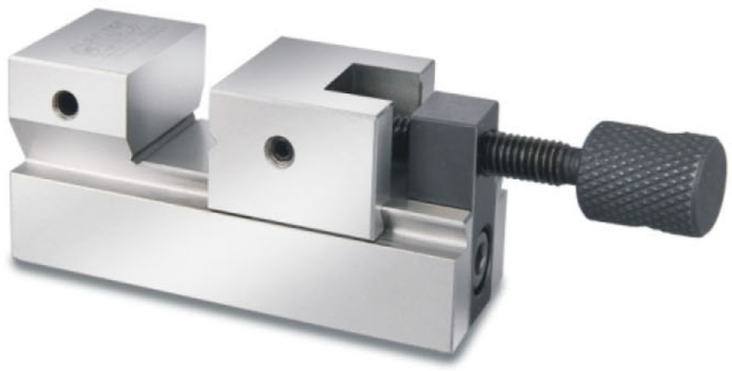

| Spec \ Model | VL20 | VL30 |
|---|---|---|
| A | 140 | 180 |
| B | 50 | 72 |
| C | 53 | 62 |
| D | 25 | 30 |
| E | 28 | 32 |
| F | 25 | 35 |
| G | 0~75 | 0~100 |
| H | 40 | 45 |
| I | M6 | M6 |
| J(WXD) | 6x5 | 8x7 |
| K | 8.5 | 9 |
| N.W. | 1.5kg | 3.0kg |

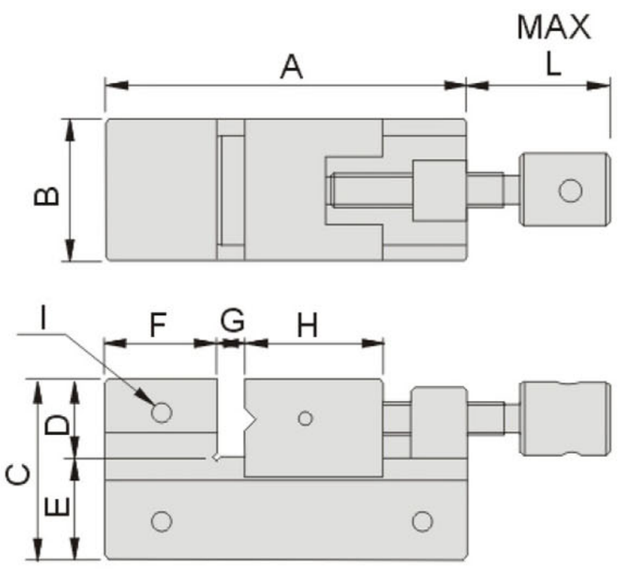
Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.003mm/100mm

Unit:mm

## 52730 VSU10

Screw rod design to lock tight, suitable for clamping small workpiece.

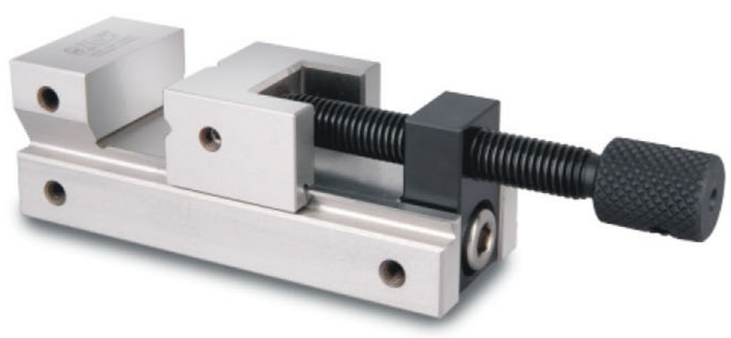


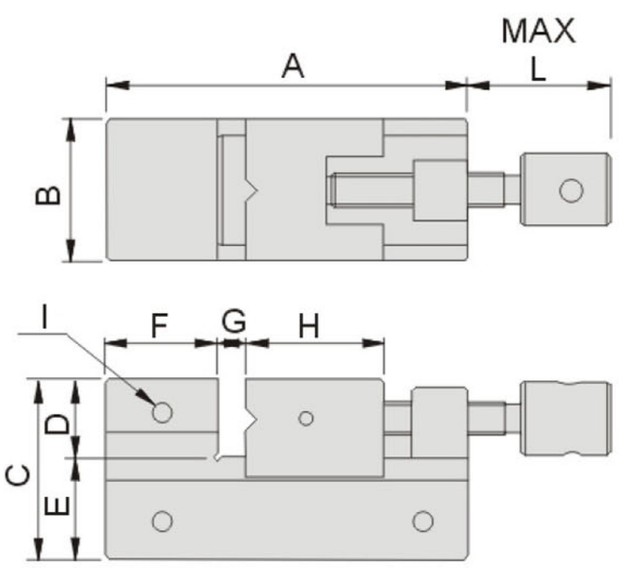



| Spec \ Model | VSU10 |
|---|---|
| A | 70 |
| B | 25 |
| C | 32 |
| D | 14 |
| E | 18 |
| F | 20 |
| G | 0~25 |
| H | 25 |
| I | M4 |
| L | 43 |
| N.W. | 0.5kg |

## 52735 VSU15

Screw rod design to lock tight, suitable for clamping small workpiece.

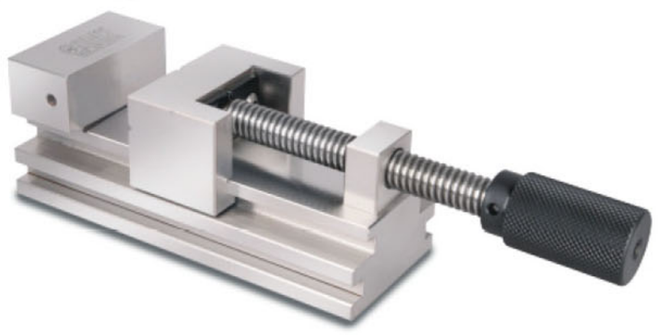


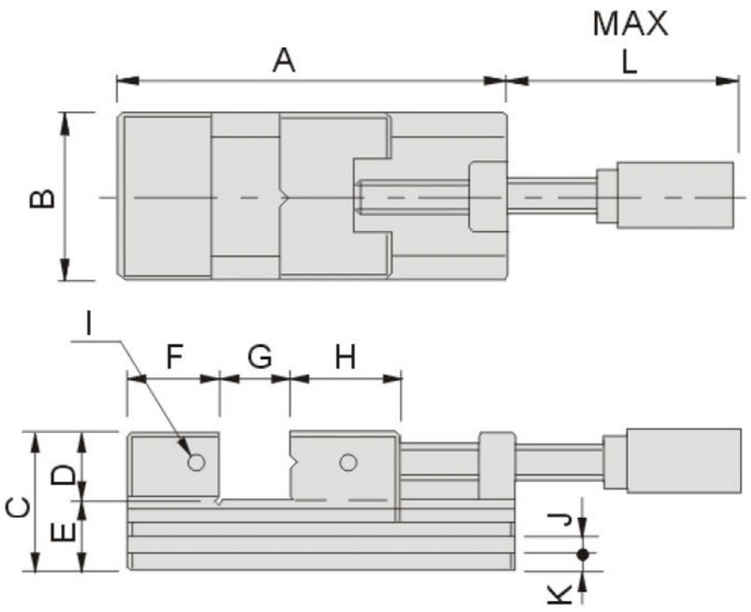



| Spec \ Model | VSU15 |
|---|---|
| A | 100 |
| B | 36 |
| C | 35 |
| D | 16.5 |
| E | 18.5 |
| F | 20 |
| G | 0~50 |
| H | 30 |
| I | M5 |
| L | 76.5 |
| N.W. | 1.0kg |

## 52740 VSU30

Screw rod design to lock tight, suitable for clamping small workpiece to precision processing / grinding.

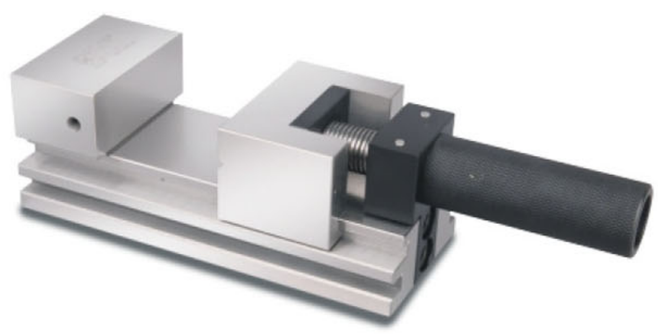


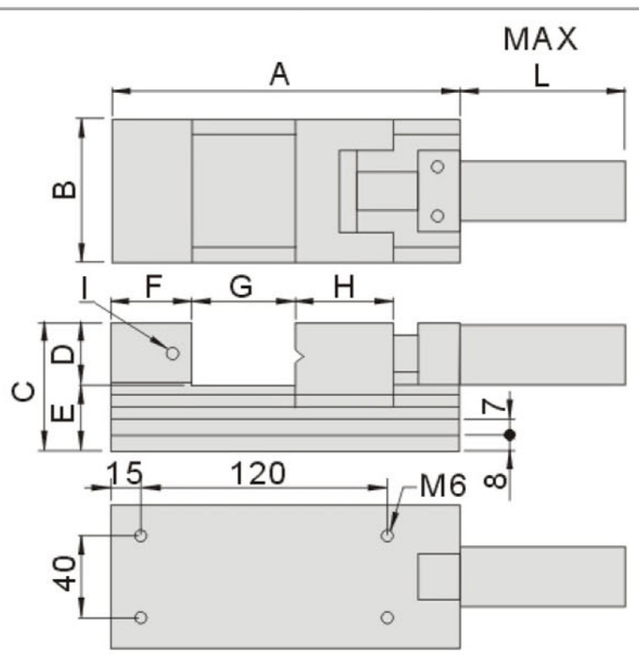



| Spec \ Model | VSU30 |
|---|---|
| A | 180 |
| B | 70 |
| C | 69 |
| D | 30 |
| E | 39 |
| F | 35 |
| G | 0~100 |
| H | 45 |
| I | M6 |
| J(WXD) | 8x8 |
| K | 8 |
| L | 165.5 |
| N.W. | 4.2kg |

## 52745 DSU80

Compact structure, suitable for high precision processing work.






| Spec \ Model | DSU80 |
|---|---|
| A | 170 |
| B | 70 |
| C | 62 |
| D | 30 |
| E | 32 |
| F | 40 |
| G | 0~80 |
| H | 45 |
| I | M6 |
| L | 82 |
| N.W. | 4.2kg |

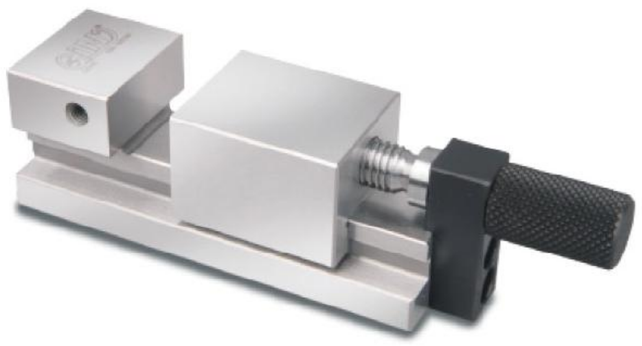
# Stainless Tool Maker Vise

Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.003mm/100mm

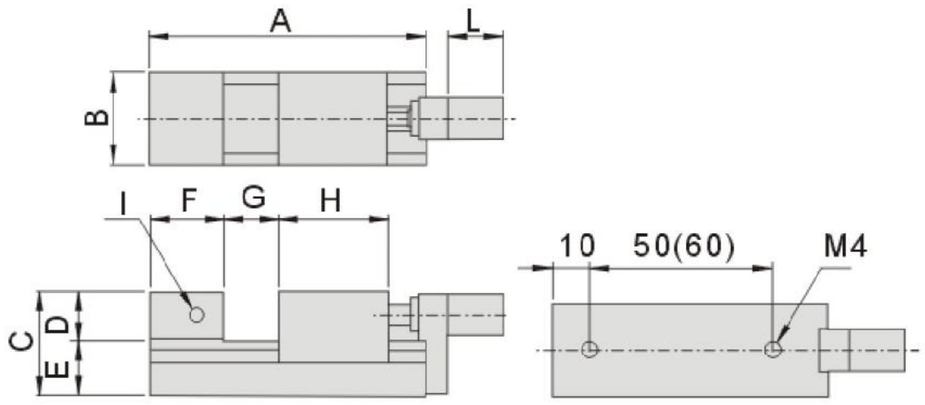
Unit:mm

## 52750 DSU20/30

- Screw rod design to lock tight, suitable for clamping small precision workpiece.



52750-20 DSU20
52750-30 DSU30

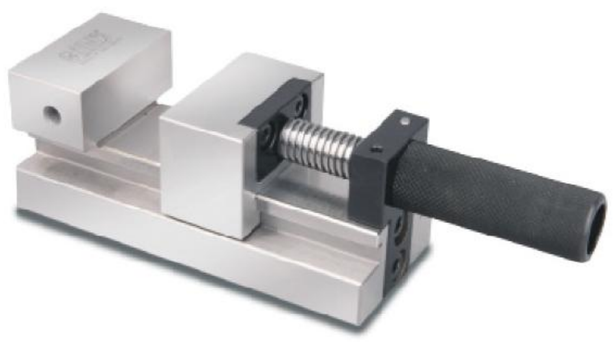



| Spec \ Model | DSU20 | DSU30 |
|---|---|---|
| A | 75 | 95 |
| B | 25 | 30 |
| C | 28 | 35 |
| D | 13 | 15 |
| E | 15 | 20 |
| F | 20 | 20 |
| G | 0~20 | 0~30 |
| H | 30 | 40 |
| I | M4 | M4 |
| L | 20 | 20 |
| N.W. | 0.27kg | 0.65kg |

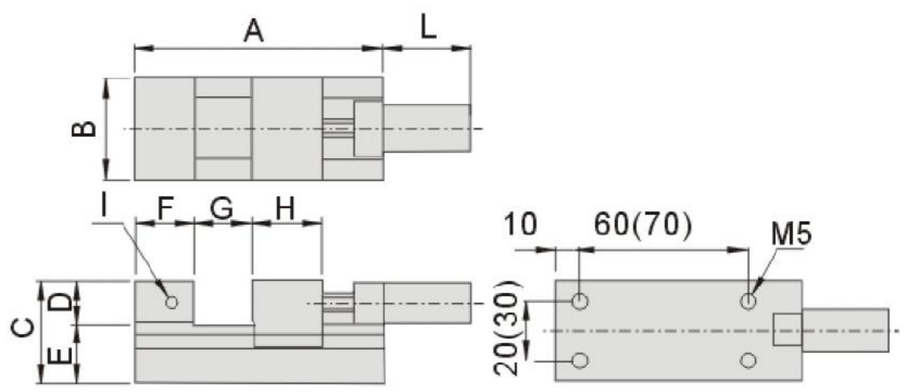


## 52755 DSU40/50

- Screw rod design to lock tight, suitable for clamping small precision workpiece.



52755-40 DSU40
52755-50 DSU50

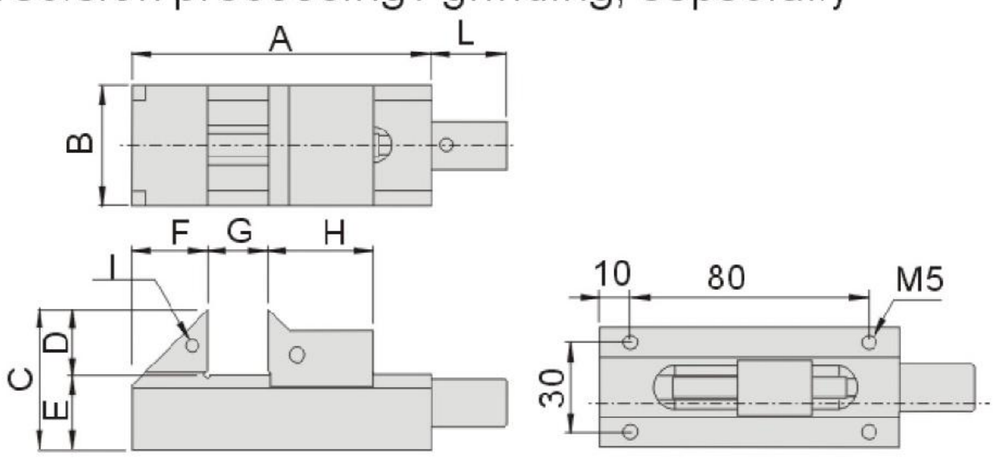



| Spec \ Model | DSU40 | DSU50 |
|---|---|---|
| A | 95 | 110 |
| B | 35 | 45 |
| C | 35 | 45 |
| D | 15 | 20 |
| E | 20 | 25 |
| F | 20 | 25 |
| G | 0~40 | 0~50 |
| H | 24 | 24 |
| I | M5 | M5 |
| L | 45 | 55 |
| N.W. | 0.9kg | 1.6kg |

## 52760 PMV30

- Screw rod design to lock tight and has compact structure, suitable for clamping small workpiece to precision processing / grinding, especially on 5-axis machine center.

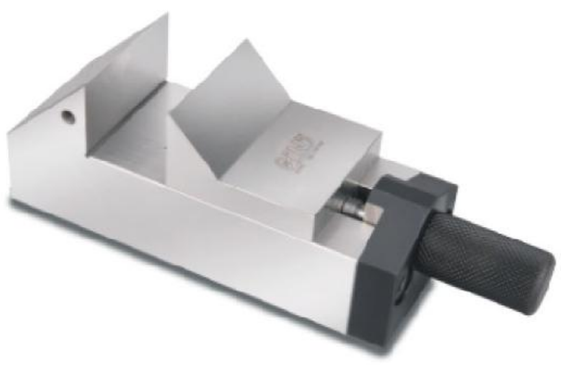


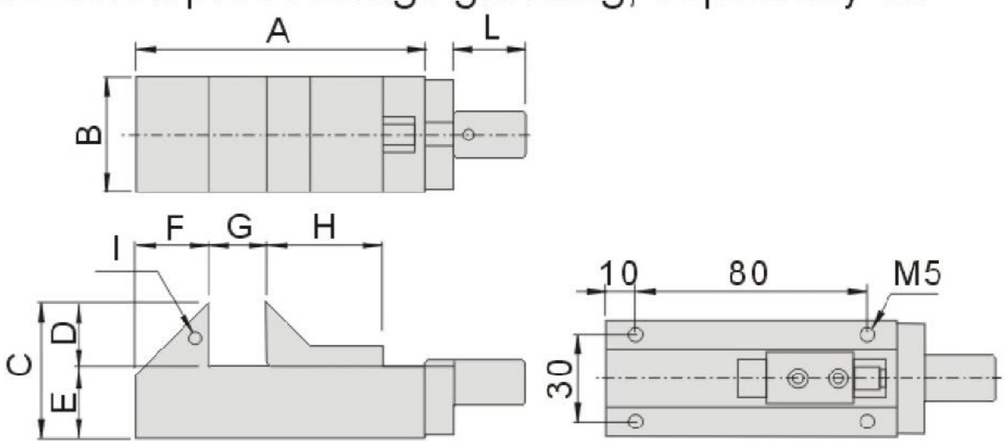



| Spec \ Model | PMV30 |
|---|---|
| A | 100 |
| B | 40 |
| C | 47 |
| D | 22 |
| E | 25 |
| F | 25 |
| G | 30 |
| H | 35 |
| I | M4 |
| L | 31.5 |
| N.W. | 0.90kg |

## 52765 PMV30F

- Screw rod design to lock tight and has compact structure, suitable for clamping small workpiece to precision processing / grinding, especially on 5-axis machine center.






| Spec \ Model | PMV30F |
|---|---|
| A | 100 |
| B | 40 |
| C | 47 |
| D | 22 |
| E | 25 |
| F | 25 |
| G | 30 |
| H | 40 |
| I | M4 |
| L | 30 |
| N.W. | 0.93kg |

Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.003mm/100mm

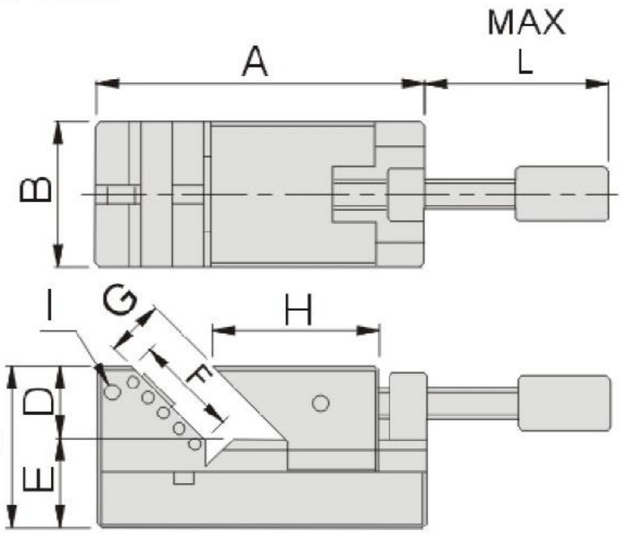
Unit:mm

## 52770 VE30/50

52770-30 VE30
52770-50 VE50

- 45°angle design for the jaw, suitable for precision and small workpiece which needs to form 45°angle.
- Standard equipment for adjusting work height position.

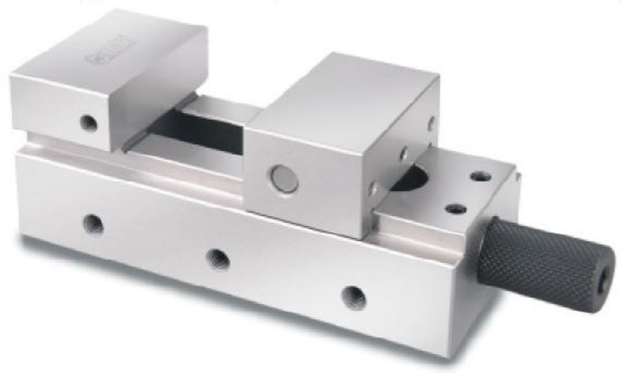


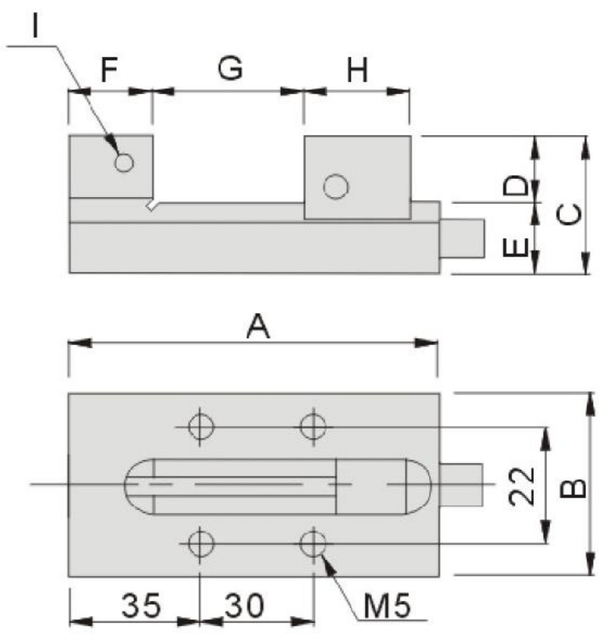



| Spec \ Model | VE30 | VE50 |
|---|---|---|
| A | 62 | 90 |
| B | 30 | 50 |
| C | 37 | 44 |
| D | 15 | 20 |
| E | 22 | 24 |
| F | 21 | 33.9 |
| G | 0~11 | 26 |
| H | 37.5 | 45.4 |
| I | M4 | M4 |
| L | 33.5 | 65 |
| N.W. | 0.5kg | 0.7kg |

## 52775 VR40

- This vise has compact structure vise with special design to prevent any floating of workpiece when clamped.



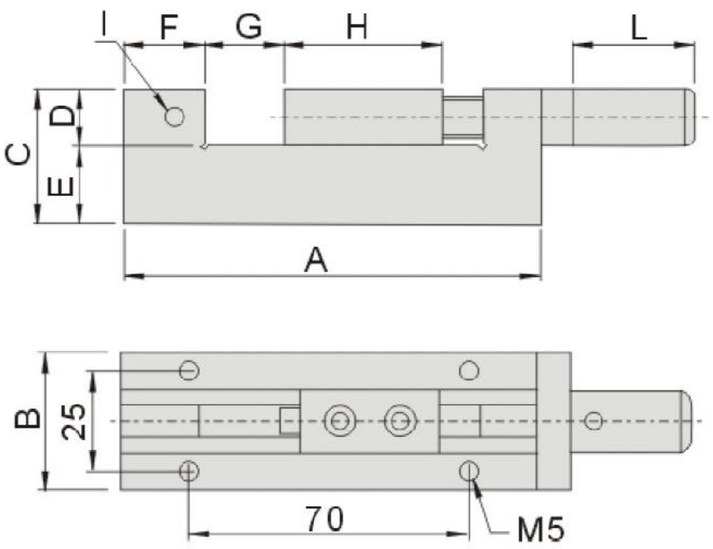



| Spec \ Model | VR40 |
|---|---|
| A | 100 |
| B | 40 |
| C | 40 |
| D | 15 |
| E | 25 |
| F | 25 |
| G | 0~40 |
| H | 25 |
| I | M4 |
| N.W. | 1.0kg |

## 52780 VK35

- This vise is adopting new structure and easier operation with higher accuracy and stability.

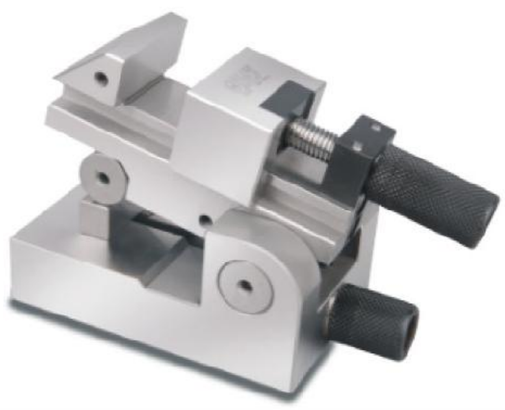


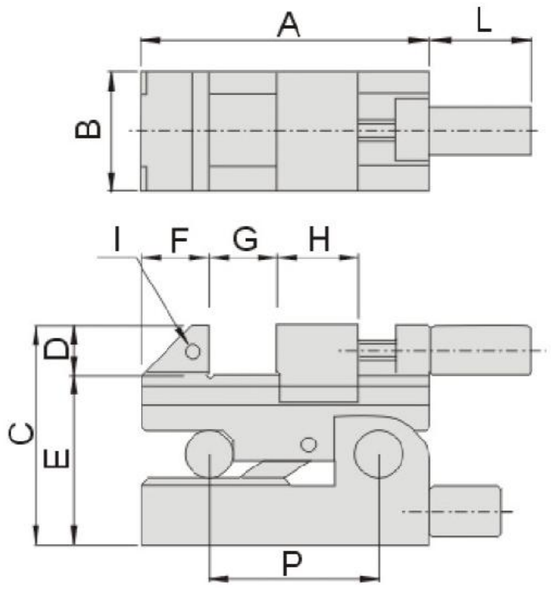



| Spec \ Model | VK35 |
|---|---|
| A | 105 |
| B | 35 |
| C | 35 |
| D | 15 |
| E | 20 |
| F | 20 |
| G | 0~30 |
| H | 40 |
| I | M4 |
| L | 30 |
| N.W. | 1.1kg |

## 52790 VSP50

- Precision sine vise, suitable for precision and small workpiece as well as EDM work.

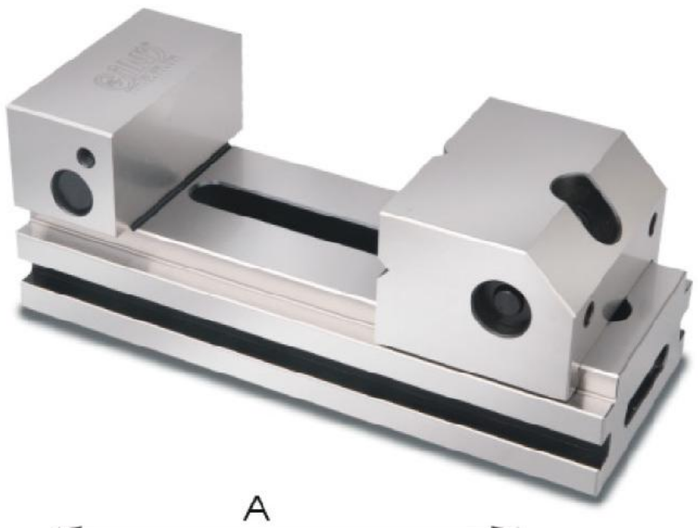





| Spec \ Model | VSP50 |
|---|---|
| A | 85 |
| B | 35 |
| C | 65 |
| D | 15 |
| E | 50 |
| F | 20 |
| G | 0~30 |
| H | 24 |
| I | M4 |
| L | 37 |
| P | 50 |
| N.W. | 1.0kg |

# Tool Maker Vise

## 52800 VV Super Precision Tool Maker Vise




## Features :

- VV Tool Maker Vise is made of high quality alloy tool steel (SKS3)
- Special design to prevent distortion during clamping ensuring the accuracy for work processing on workpieces.
- With quick adjust spring function, clamping jaw can move and position easily.
- Material:SKS3
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.004mm/100mm

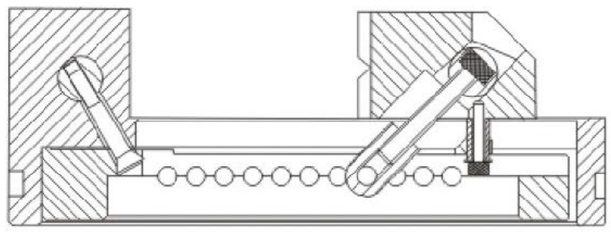
TOOL MAKER VISE

Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | I | J | K | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52800-20** | VV20 | 150 | 48 | 53 | 25 | 28 | 25 | 0-70 | M5 | 6 | 8.5 | 1.7kg |
| **52800-30** | VV30 | 190 | 73 | 70 | 35 | 35 | 38 | 0-100 | M6 | 8 | 9.5 | 4.5kg |
| **52800-40** | VV40 | 230 | 98 | 80 | 40 | 40 | 46 | 0-125 | M6 | 10 | 10 | 8.4kg |
| **52800-50** | VV50 | 300 | 125 | 98 | 48 | 50 | 60 | 0-160 | M8 | 12 | 13 | 17.4kg |
| **52800-60** | VV60 | 350 | 150 | 100 | 50 | 50 | 60 | 0-210 | M8 | 12 | 13 | 22.7kg |

### Super Precison Tool Maker Vise

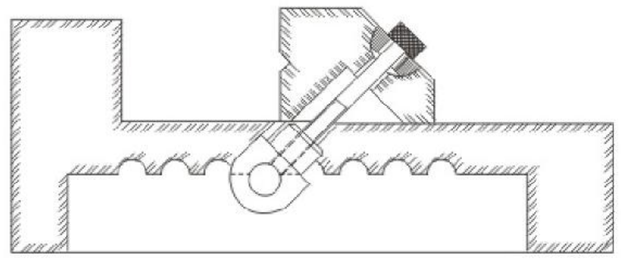
■ New improved VV Tool Maker Vise before clamping operation.



■ Improved VV Tool Maker Vise, inner block face force when clamping and no twist or distortion is existing and achieve higher accuracy and stability.

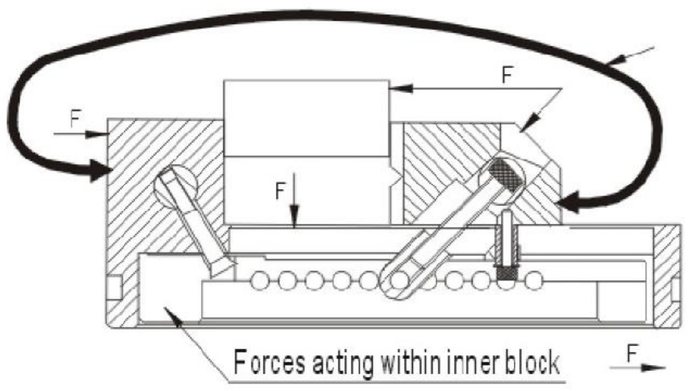
### General Tool Maker Vise

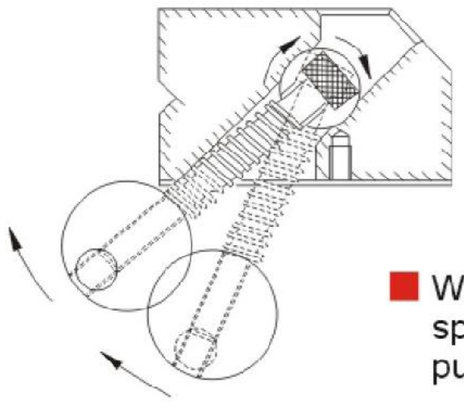
■ V series Tool Maker Vise before clamping operation



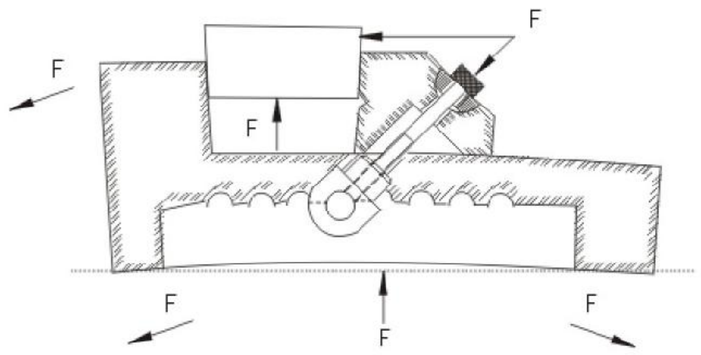
■ Conventional vise has distortion or twist when clamping workpiece and thus lead to poor accuracy.

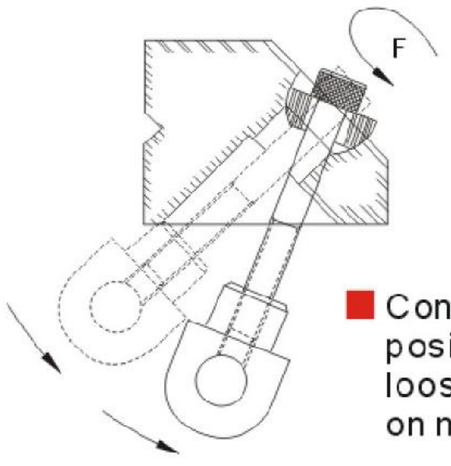
### Principle of anti-distortion



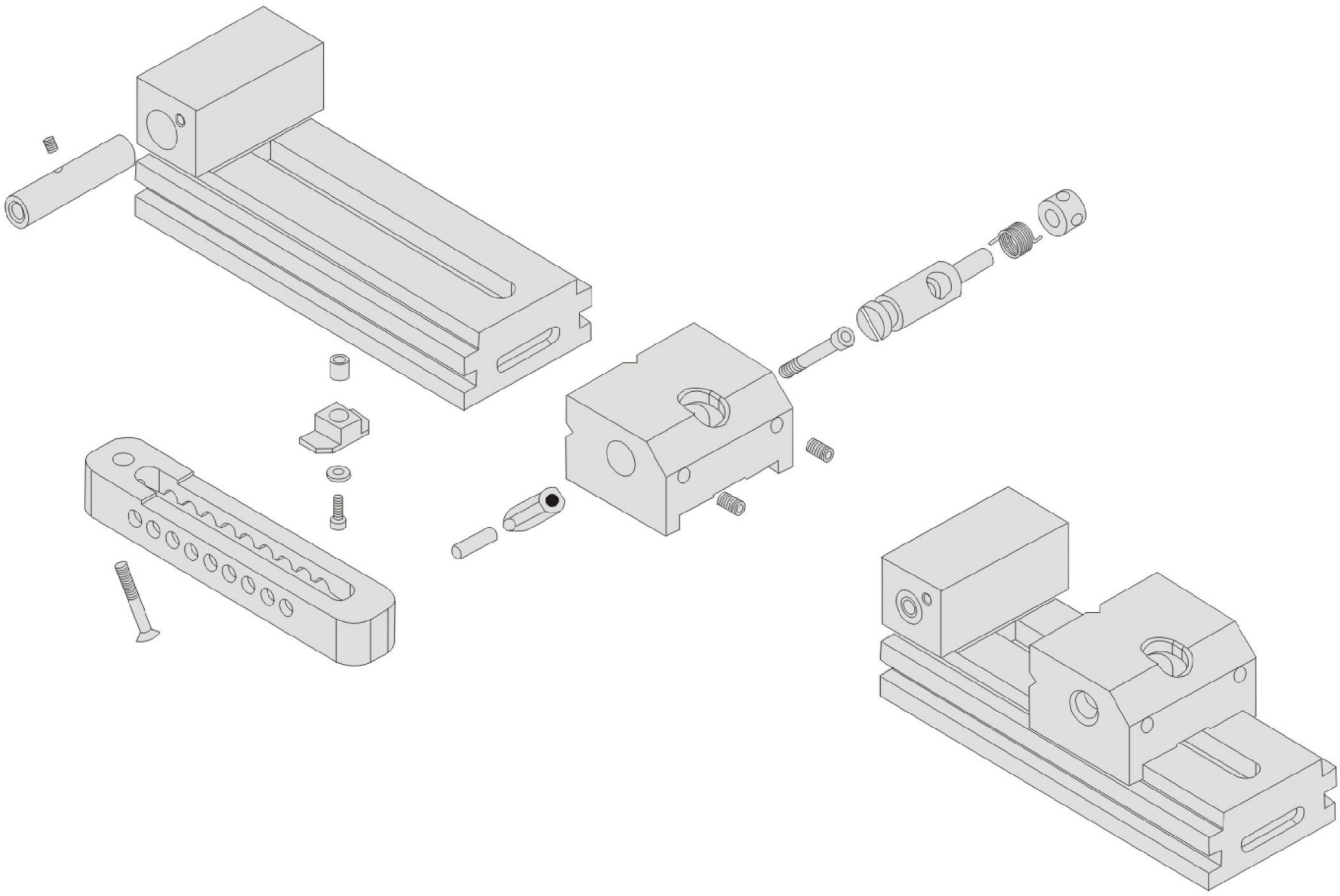




■ When the fixed pin face the pressure from the spring, it generates upward twisting torque and push the screw match with the inner block.

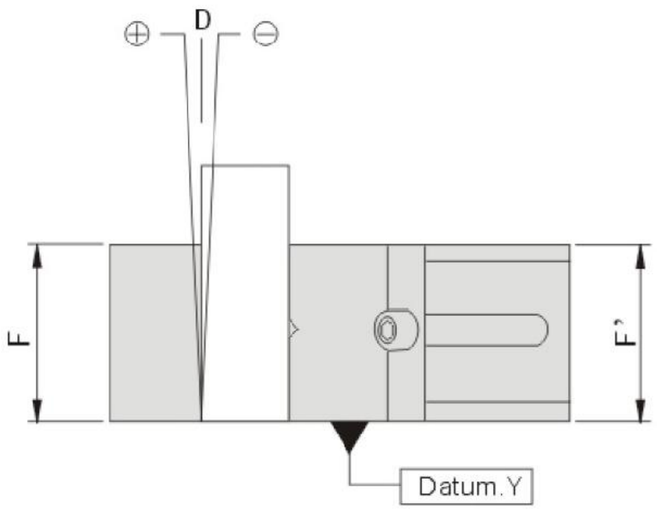


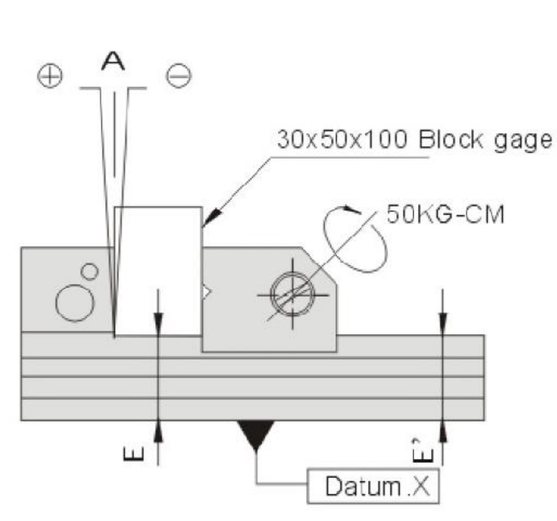



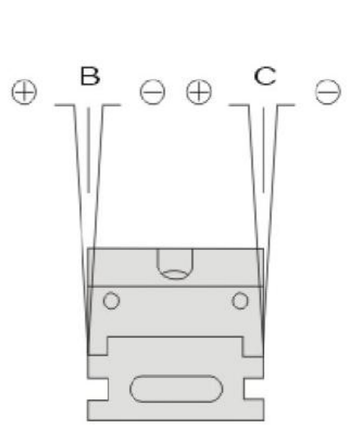

■ Conventional vise needs to position the fix pin when you loose the screw, it all depends on manual work.







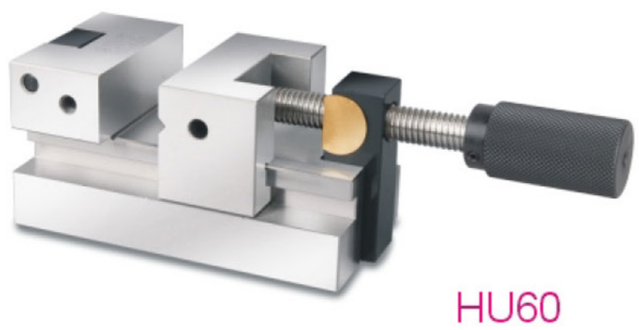




Unit:μm

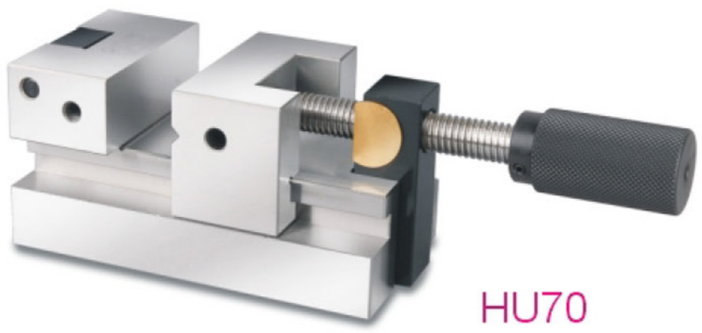
| Position | Inspection description | Tolerance |
|---|---|---|
| A | Perpendicularity to Datum X | ±4 |
| B | Perpendicularity to Datum X | ±4 |
| C | Perpendicularity to Datum X | ±4 |
| D | Perpendicularity to Datum Y | ±4 |
| E | Perpendicularity to Datum X | ±3 |
| F | Perpendicularity to Datum Y | ±3 |

# Tool Maker Vise

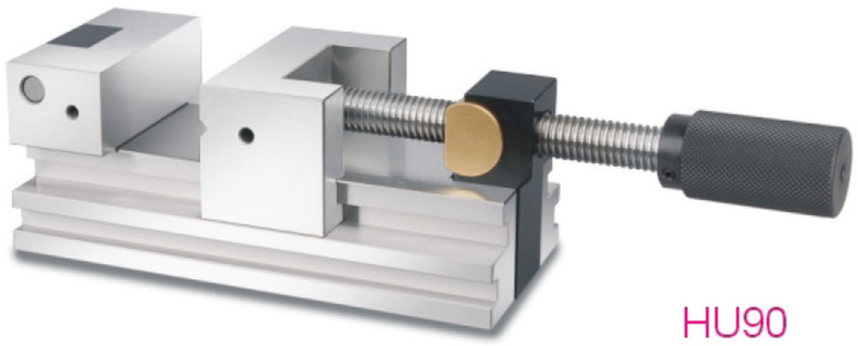
## 52820 HU Tool Maker Vise



HU60



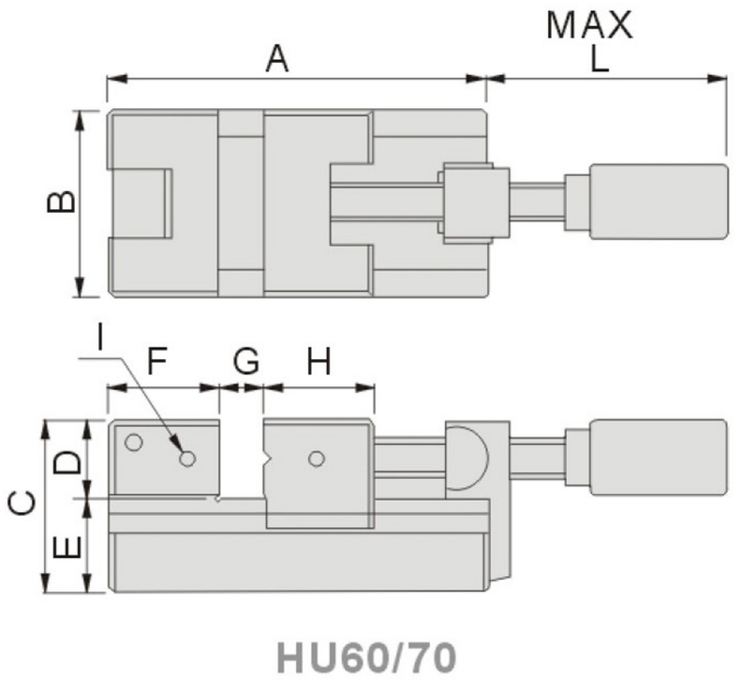
HU70



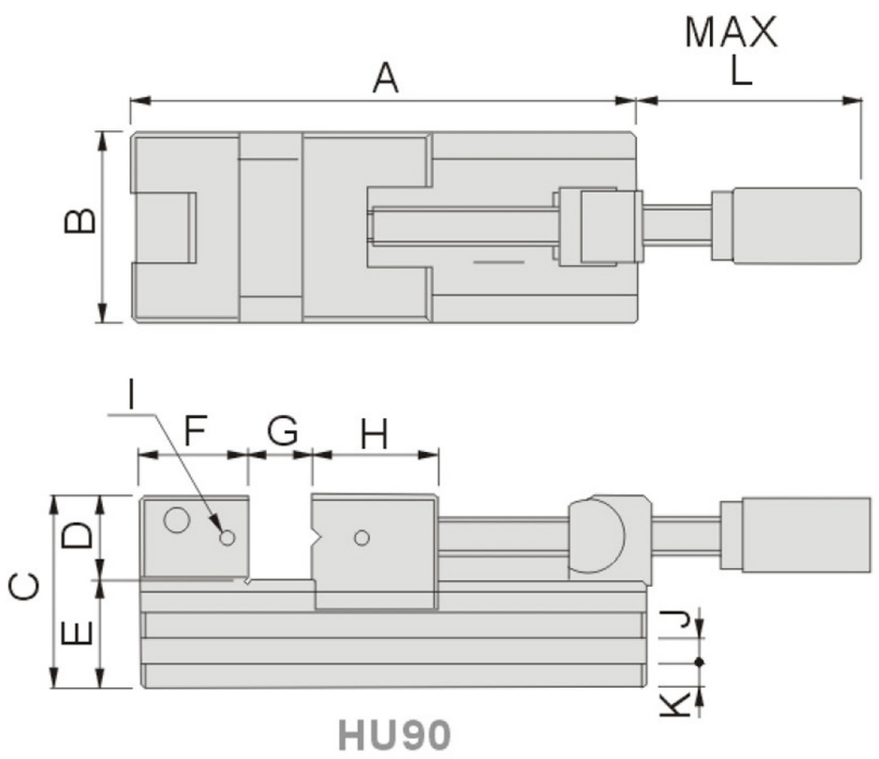
HU90

## Features :

- Made of high quality alloy tool steel (SKS3) and tempering & sub-zero treatment.
- Anti-distortion design with screw rod function to lock, suitable for applying on precision processing work.




HU60/70




HU90

| Material | SKS |
|---|---|
| Hardness | HRC56°~60° |
| Parallelism | within 0.003mm/100mm |
| Squareness | within 0.005mm/100mm |

Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | L | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52820-60** | HU60 | 122 | 60 | 60 | 25 | 35 | 35 | 0~47 | 40 | M6 | 105 | 2.5kg |
| **52820-70** | HU70 | 172 | 70 | 70 | 30 | 40 | 40 | 0~80 | 45 | M6 | 149.5 | 4.7kg |

Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | J(WxD) | K | L | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52820-90** | HU90 | 237 | 90 | 90 | 40 | 50 | 50 | 0~125 | 50 | M6 | 10x7 | 10 | 201 | 10.3kg |

# Anti-distortion

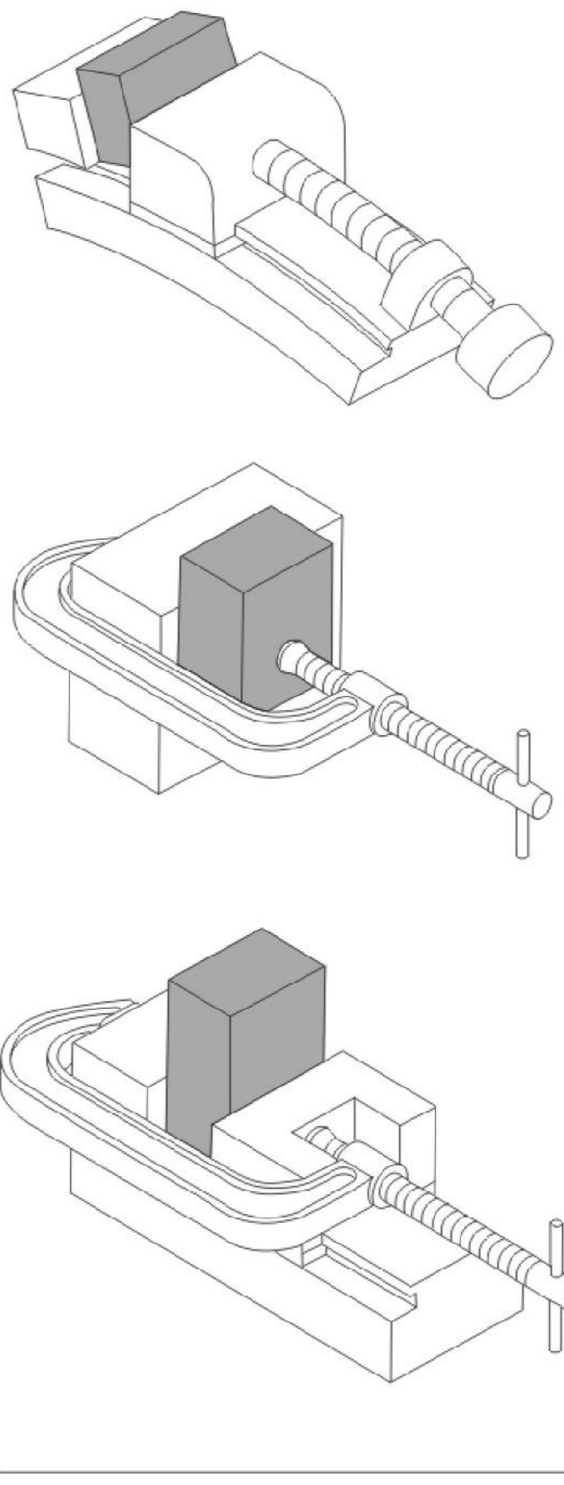
**HU60/HU70/HU90 are all adopting inbuilt Anti-distortion**



HU60

HU70

HU90



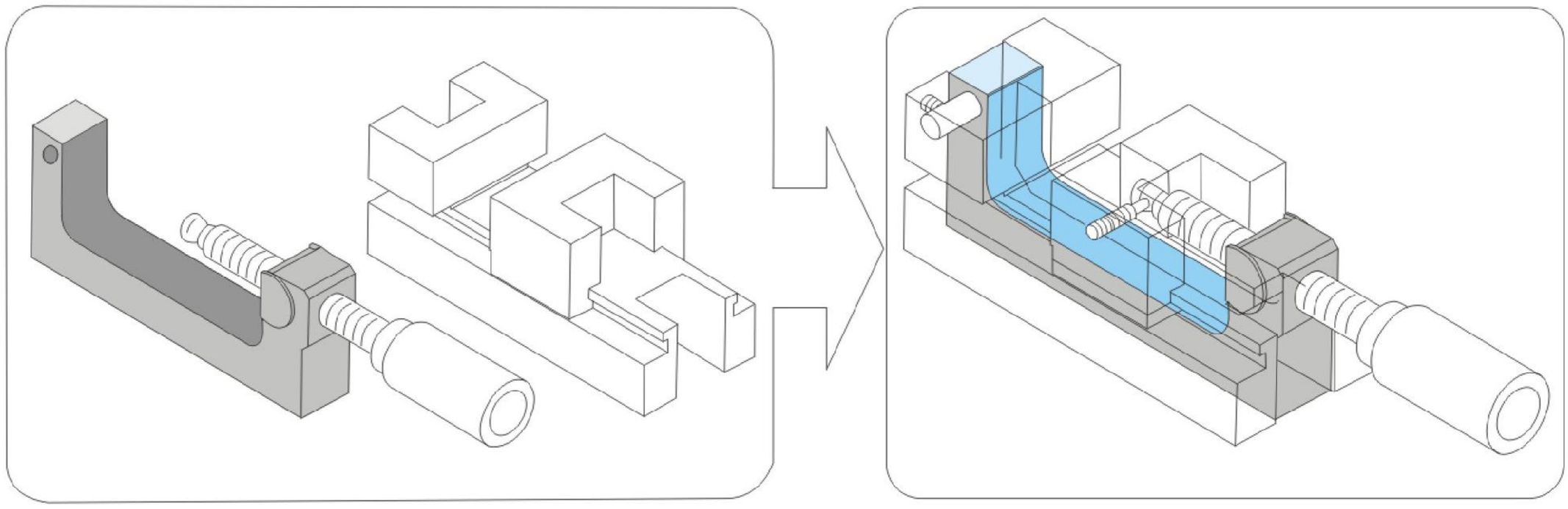
**Comparison**

General Tool Maker Vise will distort from clamping stress and thus impede the precision processing.

Applying fixture block is essential for high precision processing, however, it is not cost effective.

Applying fixture block and the vise it achieve cost effective and high precision processing.

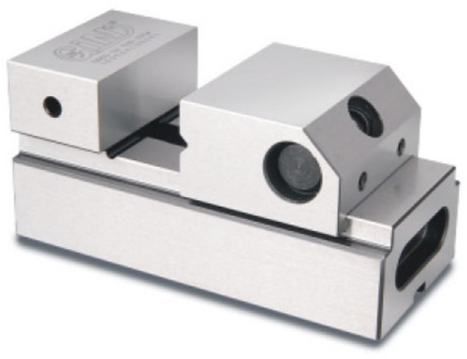
**Making inbuilt fixture into vise and it help the precision processing due to the distortion stress will react on fixture. Thus no distortion influent the parallelism and perpendicularity.**



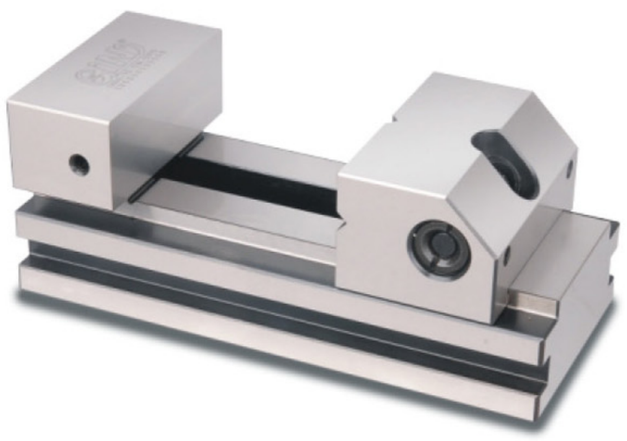
# 52830 SV Super Precision Tool Maker Vise



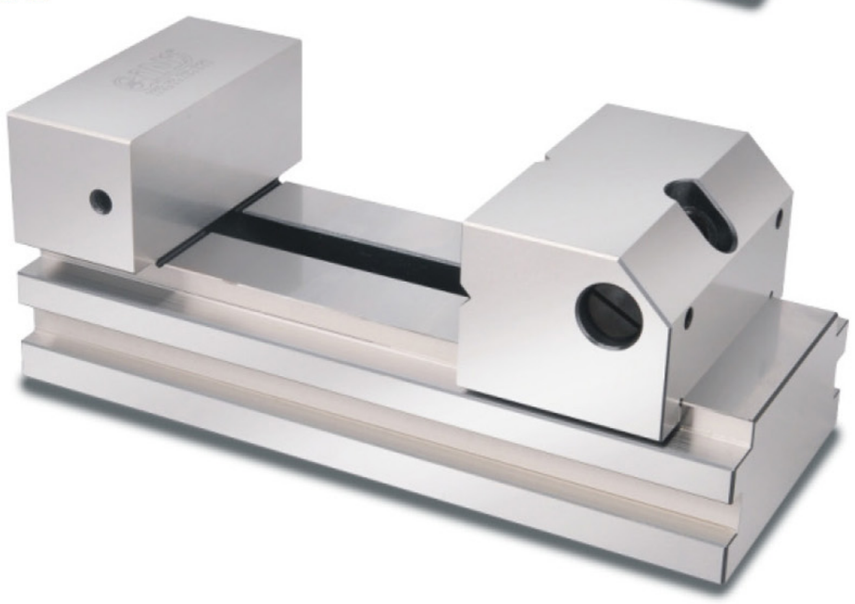
SV34



SV70

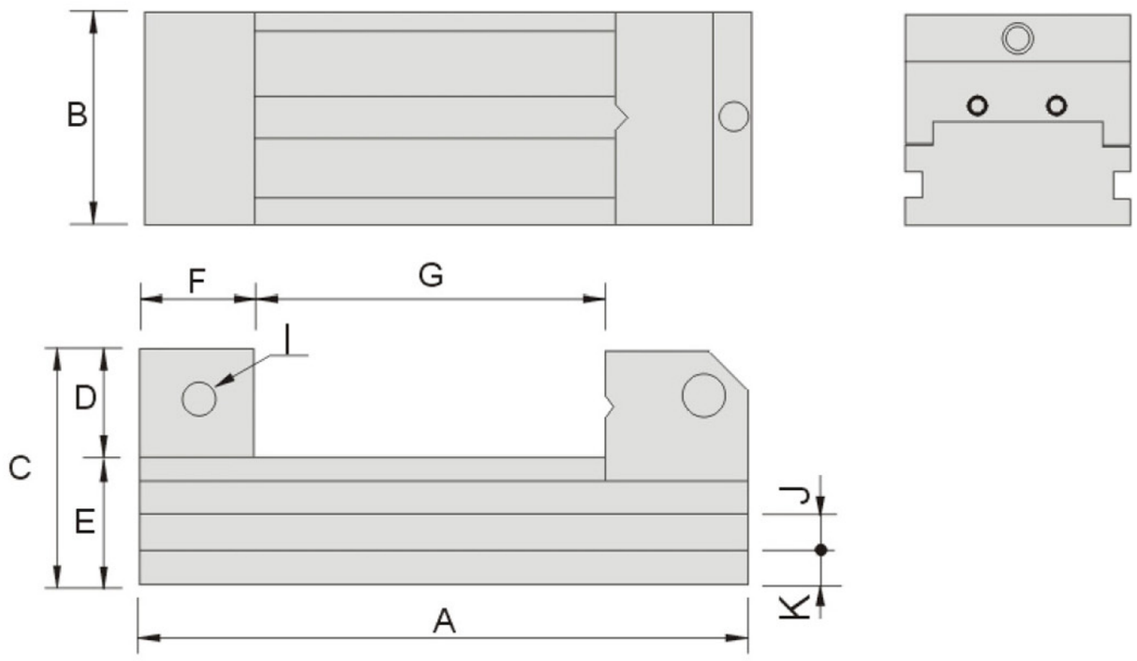


SV90



## Features :

- Made of high quality alloy tool steel (SKS3) with Sub-zero treatment.
- The best type of Tool Maker Vise both in structure and accuracy.
- Due its high precision and stability, it is well-known in Japan and Europe and sold to worldwide range.
- Single side oblique angle design can automatically mend the distortion from the body.
- Material:SKS
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.004mm/100mm

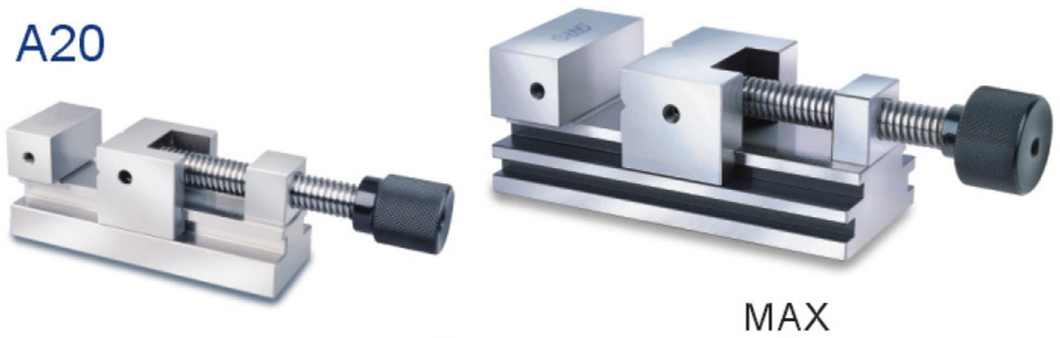


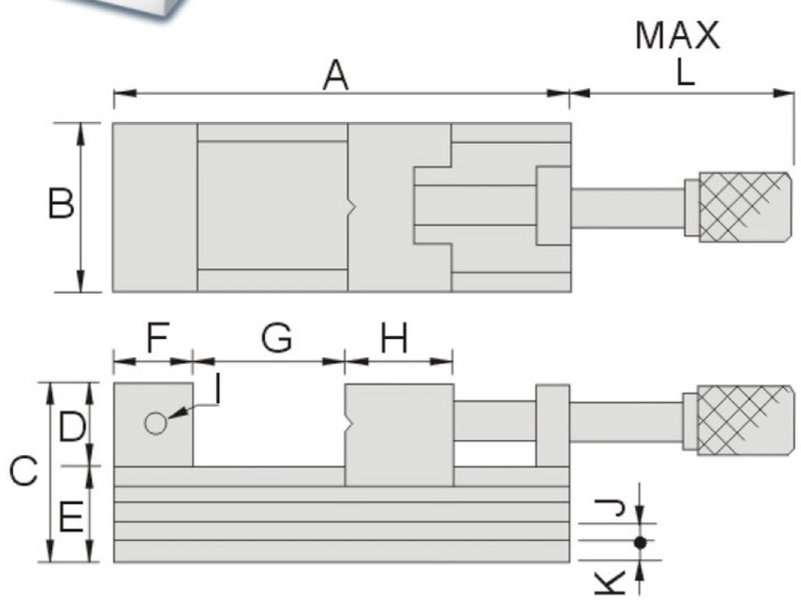

Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | I | J | K | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52830-34** | SV34 | 75 | 34 | 35 | 15 | 20 | 20 | 0-25 | M4 | - | - | 0.5kg |
| **52830-45** | SV45 | 110 | 45 | 45 | 20 | 25 | 25 | 0-50 | M5 | 6 | 8 | 1.0kg |
| **52830-70** | SV70 | 160 | 70 | 62 | 30 | 32 | 33 | 0-80 | M6 | 8 | 9 | 3.0kg |
| **52830-90** | SV90 | 210 | 90 | 80 | 40 | 40 | 40 | 0-115 | M6 | 10 | 12 | 6.7kg |
| **52830-120** | SV120 | 286 | 120 | 90 | 40 | 50 | 60 | 0-150 | M6 | 12 | 14 | 14.9kg |

# 52840 A Super Precision Tool Maker Vise

A20






## Features :

- A type Super Precision Tool Maker Vise has complete specifications with handle screw bar design. Hex wrench can be applied for lock tighter.
- Precision screw bar and screw nut, ensure the lasting durability, every part is precision ground square and parallel.
- Single side oblique angle design can automatically mend the distortion from the body.
- Material:SK2
- Hardness:HRC56°~58°
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.004mm/100mm

TOOL MAKER VISE

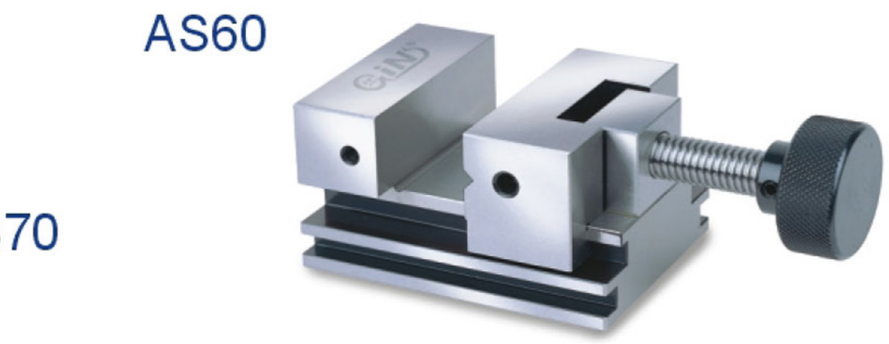
Unit:mm

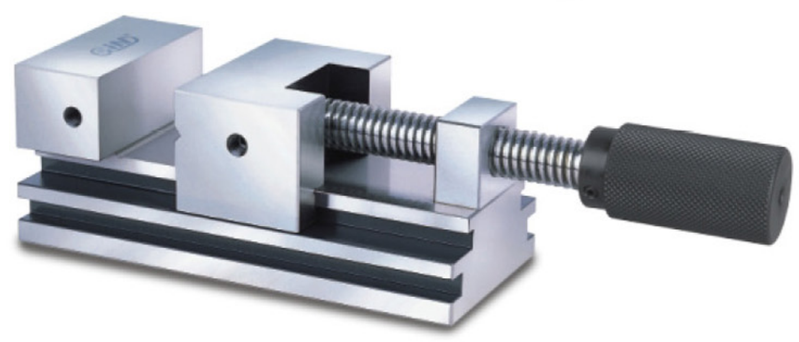
| Order No. | Model | A | B | C | D | E | F | G | H | I | J | K | L | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52840-20** | A20 | 140 | 48 | 55 | 25 | 30 | 25 | 0-75 | 40 | M6 | - | - | 117 | 2.3kg |
| **52840-25** | A25 | 160 | 63 | 69 | 30 | 39 | 30 | 0-85 | 45 | M6 | 8 | 9 | 129 | 3.8kg |
| **52840-30** | A30 | 180 | 73 | 78 | 35 | 43 | 35 | 0-95 | 50 | M6 | 8 | 10 | 132 | 6.0kg |
| **52840-40** | A40 | 230 | 98 | 92 | 45 | 47 | 45 | 0-120 | 50 | M8 | 10 | 11 | 172 | 11.3kg |

# 52850 AS Super Precision Tool Maker Vise

AS60

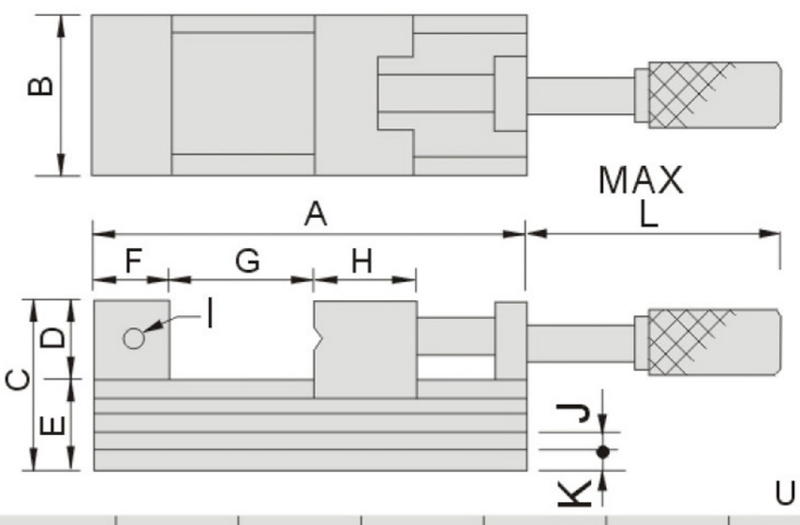
AS70





## Features :

- AS type Super Precision Tool Maker Vise has complete specifications with handle screw bar design. Made of high quality alloy tool steel (SKS3) with Sub-zero treatment.
- The best type of Tool Maker Vise both in structure and accuracy and every part is precision ground square and parallel.
- Single side oblique angle design can automatically mend the distortion from the body.



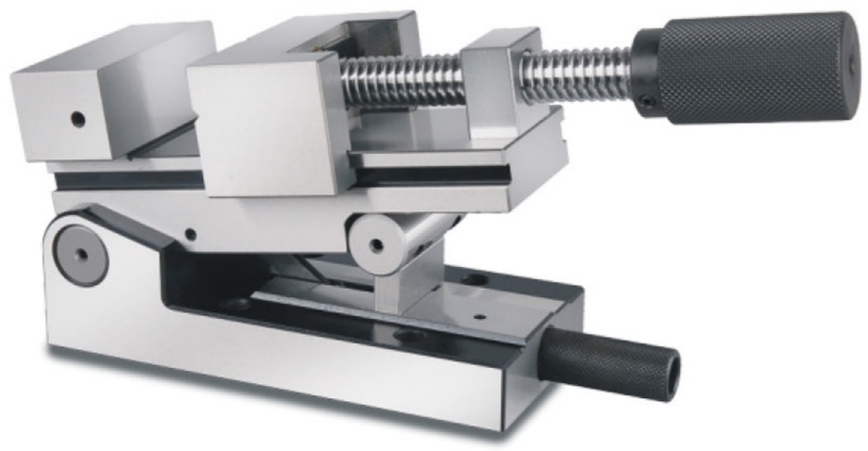

- Material:SKS
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.002mm/100mm
- Squareness:within 0.003mm/100mm

Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | J | K | L | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52850-60** | AS60 | 92 | 60 | 50 | 25 | 25 | 25 | 0-32 | 30 | M5 | 6 | 4.5 | 60 | 1.6kg |
| **52850-70** | AS70 | 165 | 70 | 62 | 30 | 32 | 33 | 0-80 | 45 | M6 | 7 | 8 | 140 | 4.0kg |
| **52850-90** | AS90 | 212 | 90 | 80 | 40 | 40 | 40 | 0-120 | 50 | M6 | 9 | 9 | 192 | 8.4kg |

# Tool Maker Vise

## 52860 V100 Precision Sine Vise

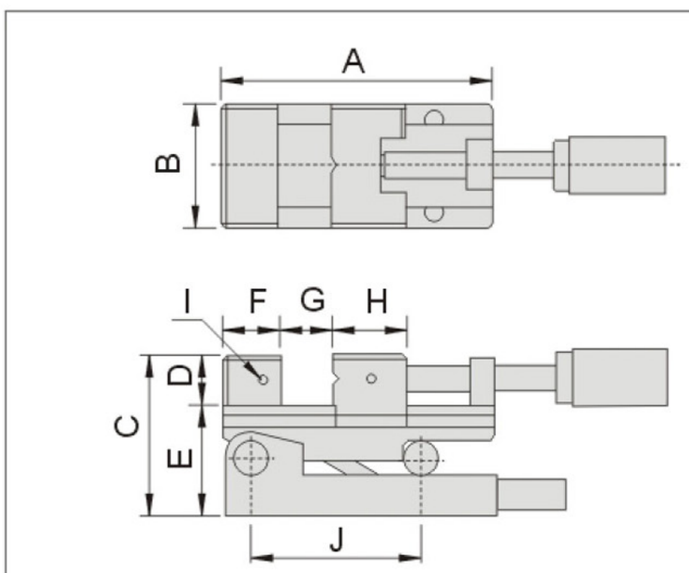


### Features :

- Made of high quality alloy tool steel (SKS3) with Sub-zero treatment.
- Suitably using in grinding, cutting, drilling, marking and measuring.
- New structure design make easier operation with higher accuracy and stability.

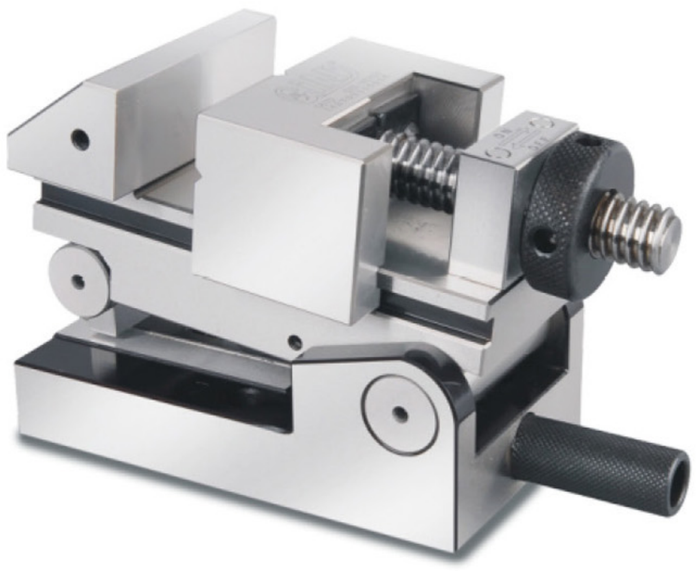


- Material:SKS
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.005mm/100mm
- Angle tolerance within 15 Sec..




| Spec | V100 |
|---|---|
| A | 160 |
| B | 73 |
| C | 93 |
| D | 30 |
| E | 63 |
| F | 33 |
| G | 80 |
| H | 45 |
| I | M5 |
| J | 100 |
| Max. Angle | 46° |
| N.W | 5.6kg |

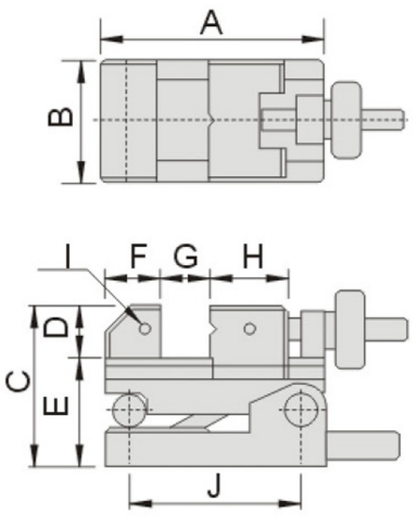
## 52870 VC100 Precision Sine Vise



### Features :

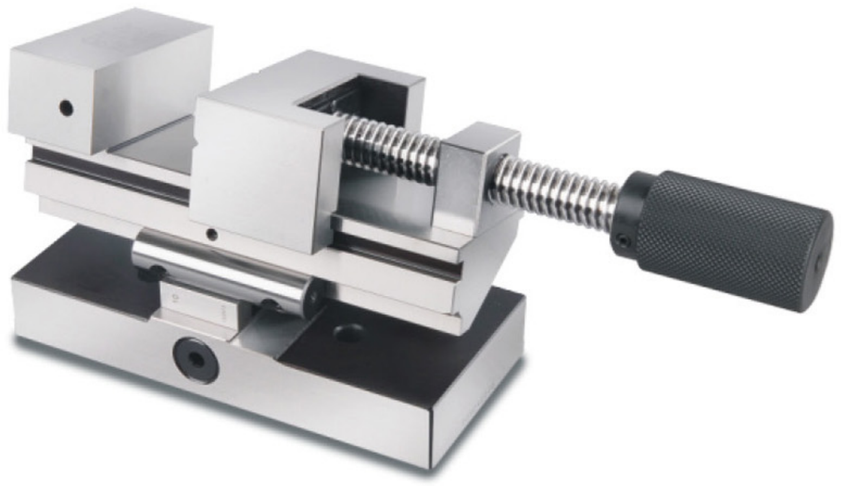
- Made of high quality alloy tool steel (SKS3) with Sub-zero treatment.
- Suitably using in grinding, cutting, drilling, marking and measuring.
- New structure design make easier operation with higher accuracy and stability.

- Material:SKS
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.005mm/100mm
- Angle tolerance within 15 Sec..




| Spec | VC100 |
|---|---|
| A | 130 |
| B | 73 |
| C | 93 |
| D | 30 |
| E | 63 |
| F | 33 |
| G | 45 |
| H | 45 |
| I | M5 |
| J | 100 |
| Max. Angle | 46° |
| N.W | 4.6kg |

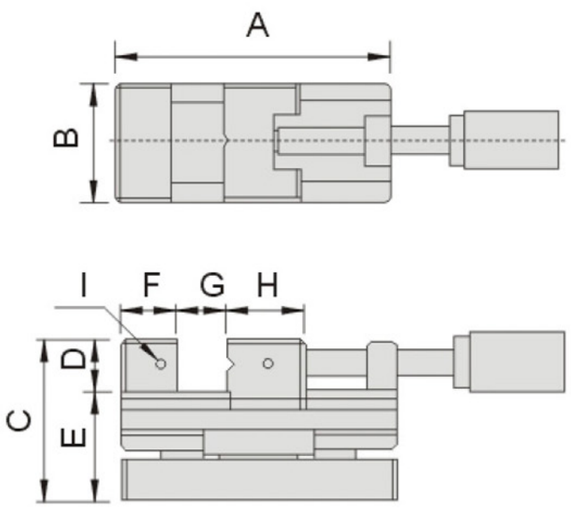
## 52880 L50 Precision Sine Vise



### Features :

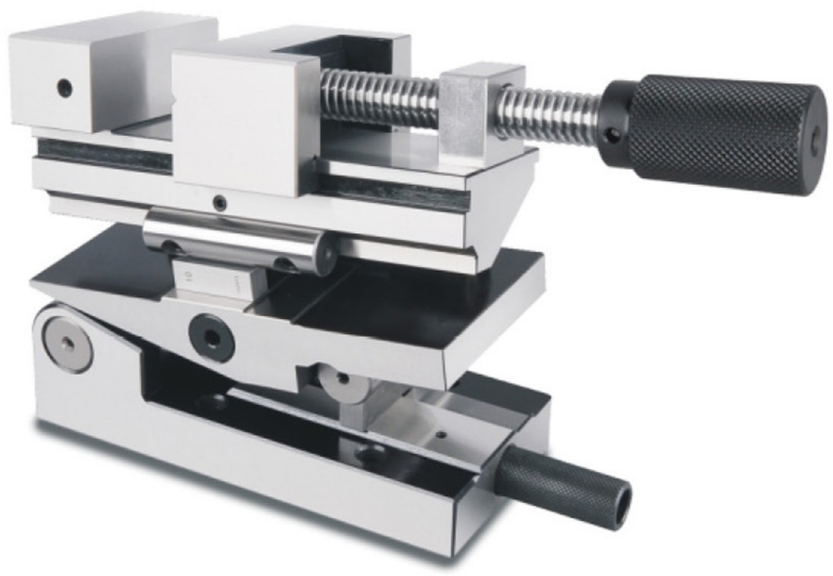
- Made of high quality alloy tool steel (SKS3) with Sub-zero treatment.
- Suitably using in grinding, cutting, drilling, marking and measuring.
- New structure design make easier operation with higher accuracy and stability.
- The quotient is equal to the sine of the resulting angle, which can be found in a trigonometric table or by using a scientific calculator.

- Material:SKS
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.005mm/100mm
- Angle tolerance within 15 Sec..




| Spec | L50 |
|---|---|
| A | 160 |
| B | 73 |
| C | 93 |
| D | 30 |
| E | 63 |
| F | 33 |
| G | 80 |
| H | 45 |
| I | M5 |
| Max. Angle | 46° |
| **N.W** | 5.8kg |

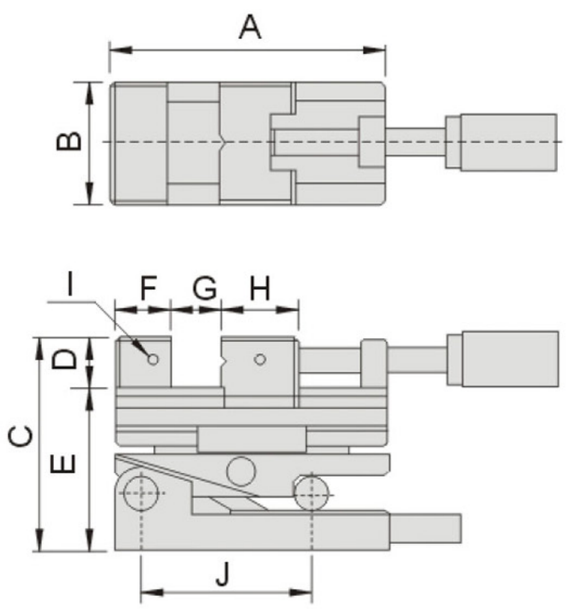
## 52890 CSV100 Precision Compound Sine Vise



### Features :

- Made of high quality alloy tool steel (SKS3) with Sub-zero treatment.
- Suitably using in grinding, cutting, drilling, marking and measuring.
- New structure design make easier operation with higher accuracy and stability.
- The quotient is equal to the sine of the resulting angle, which can be found in a trigonometric table or by using a scientific calculator.

- Material:SKS
- Hardness:HRC58°~60°
- Sub-zero treatment:-185°C
- Parallelism:within 0.003mm/100mm
- Squareness:within 0.005mm/100mm
- Angle tolerance within 15 Sec..




| Spec | CSV100 |
|---|---|
| A | 160 |
| B | 73 |
| C | 124 |
| D | 30 |
| E | 94 |
| F | 33 |
| G | 80 |
| H | 45 |
| I | M5 |
| J | 100 |
| Max. Angle | 46° |
| **N.W** | 7.5kg |

# Tool Maker Vise

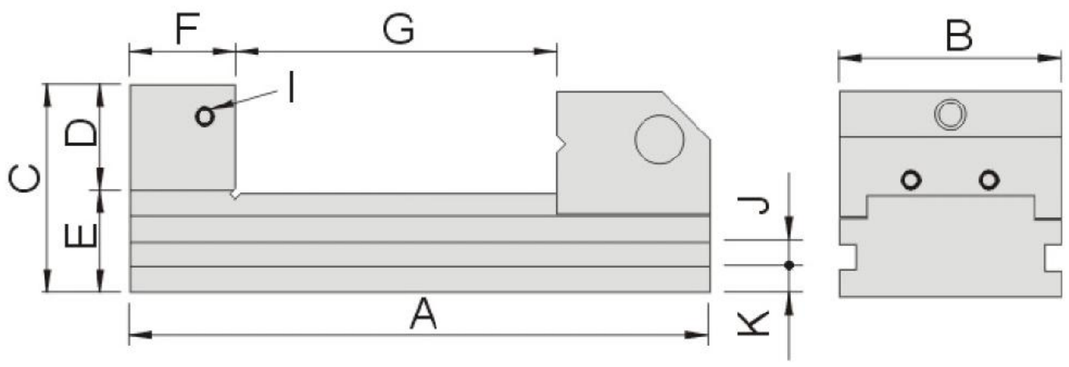
## 52900 VSB Tool Maker Vise



| | |
|---|---|
| Material | SK2 |
| Hardness | HRC55°~60° |
| Parallelism | within 0.003mm/100mm |
| Squareness | within 0.005mm/100mm |

### Features :

- New structure design make easier operation with higher accuracy and stability.
- Made of SK2 to ensure hardness and accuracy.




Unit:mm

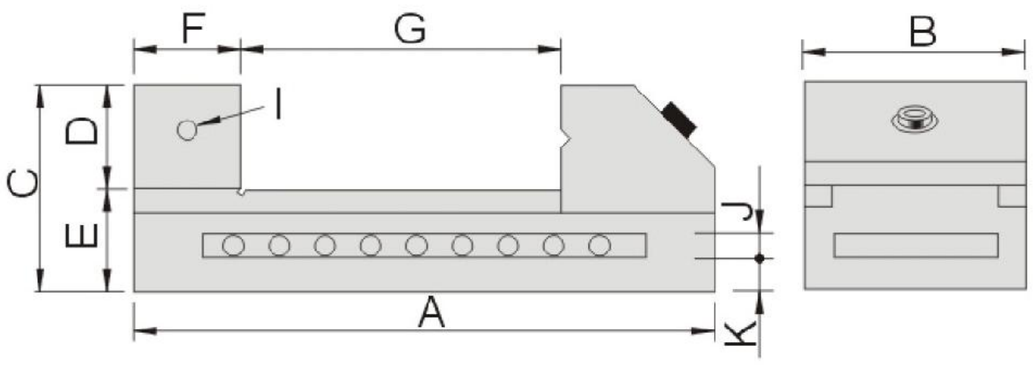
| Order No. | Model | A | B | C | D | E | F | G | I | J | K | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52900-15** | VSB15 | 105 | 36 | 48 | 20 | 28 | 25 | 0-40 | M6 | 7 | 9 | 0.8kg |
| **52900-20** | VSB20 | 150 | 48 | 53 | 25 | 28 | 25 | 0-75 | M6 | 6 | 8.5 | 1.5kg |
| **52900-25** | VSB25 | 176 | 63 | 59 | 30 | 29 | 30 | 0-95 | M6 | 8 | 7.5 | 2.6kg |
| **52900-30** | VSB30 | 190 | 73 | 68 | 35 | 33 | 35 | 0-105 | M6 | 8 | 9 | 4.0kg |
| **52900-40** | VSB40 | 245 | 98 | 90 | 45 | 45 | 45 | 0-135 | M6 | 10 | 14 | 9.5kg |

## 52910 VS Tool Maker Vise



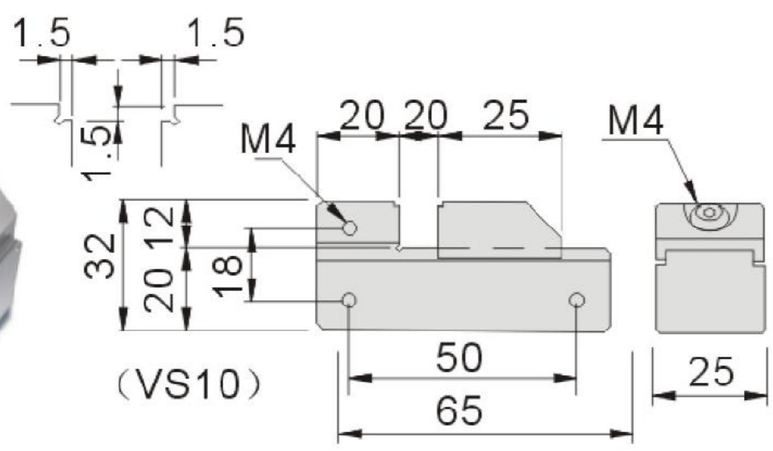
### Features :

- Precision Tool Maker Vises are suitable for all machining operations.






**52910-10**
**VS10**

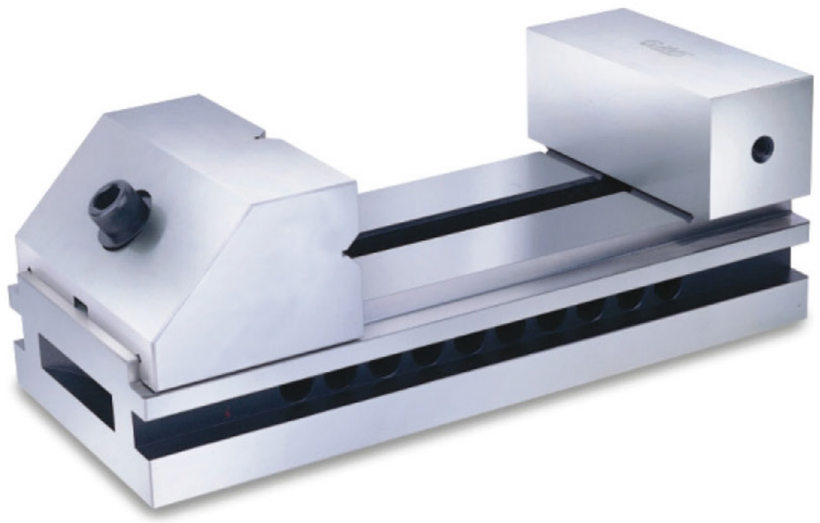



| | |
|---|---|
| Material | SK2 |
| Hardness | HRC55°~60° |
| Parallelism | within 0.003mm/100mm |
| Squareness | within 0.005mm/100mm |

Unit:mm

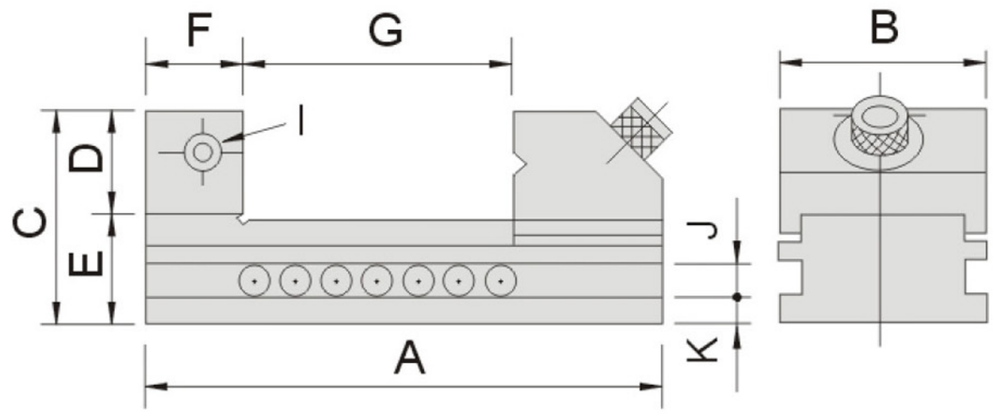
| Order No. | Model | A | B | C | D | E | F | G | I | J | K | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52910-15** | VS15 | 105 | 36 | 48 | 20 | 28 | 25 | 0-40 | M6 | 7 | 9 | 0.9kg |
| **52910-20** | VS20 | 150 | 50 | 53 | 25 | 28 | 30 | 0-80 | M6 | 8 | 8 | 1.6kg |
| **52910-25** | VS25 | 175 | 63 | 63 | 32 | 31 | 35 | 0-90 | M6 | 10 | 11 | 2.9kg |
| **52910-30** | VS30 | 190 | 73 | 70 | 35 | 35 | 35 | 0-100 | M6 | 10 | 12 | 4.3kg |
| **52910-35** | VS35 | 235 | 88 | 80 | 40 | 40 | 40 | 0-130 | M8 | 12 | 14 | 6.8kg |
| **52910-40** | VS40 | 245 | 100 | 90 | 45 | 45 | 45 | 0-130 | M8 | 12 | 16 | 10kg |
| **52910-50** | VS50 | 285 | 125 | 100 | 50 | 50 | 45 | 0-160 | M8 | 14 | 18 | 15kg |

# 52920 VS Tool Maker Vise(Big)



## Features :

- One piece body construction.
- Holes and locking set screw provide adjustable positions.

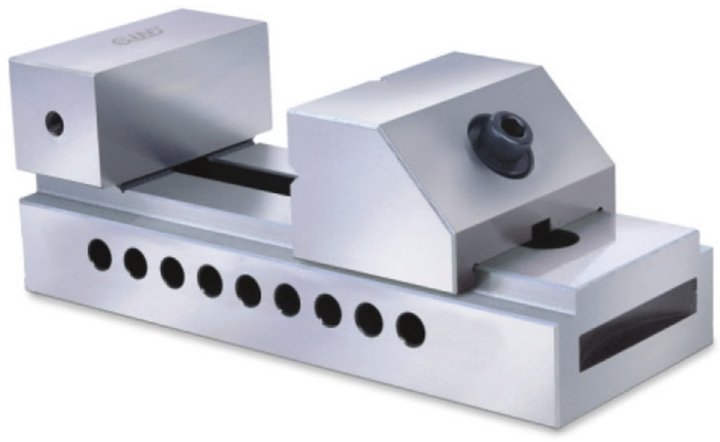



| | |
|---|---|
| Material | SK2 |
| Hardness | HRC55°~60° |
| Parallelism | within 0.003mm/100mm |
| Squareness | within 0.005mm/100mm |

Unit:mm

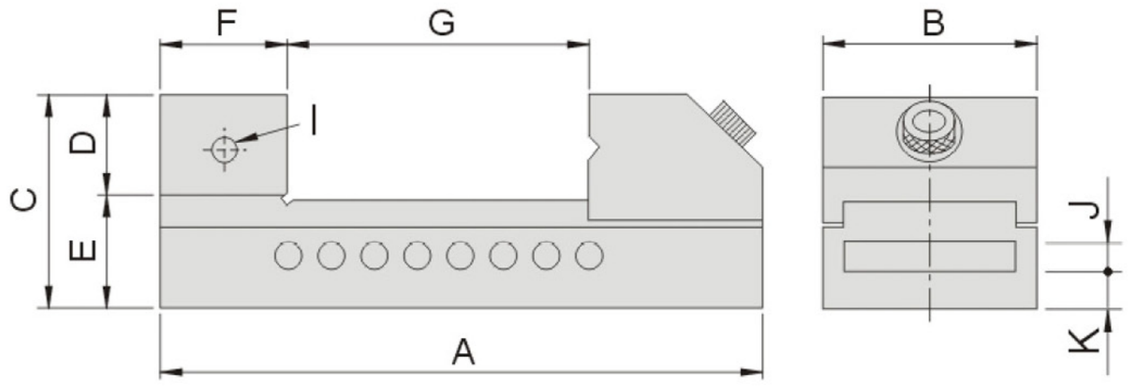
| Order No. | Model | A | B | C | D | E | F | G | I | J | K | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52920-60** | VS60 | 330 | 150 | 100 | 50 | 50 | 50 | 0-180 | M8 | 14 | 18 | 20kg |

# 52930 VB Tool Maker Vise



## Features :

- One piece body construction.
- Holes and locking set screw provide adjustable positions.



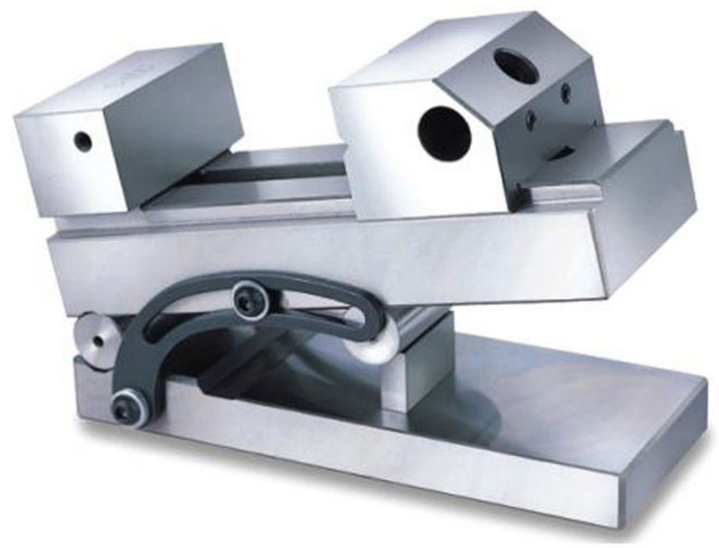

| | |
|---|---|
| Material | tool steel |
| Hardness | HRC52°~58° |
| Parallelism | within 0.005mm/100mm |
| Squareness | within 0.008mm/100mm |

Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | I | J | K | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52930-15** | VB15 | 100 | 36 | 48 | 20 | 28 | 25 | 0-40 | M5 | 8 | 8 | 1.0kg |
| **52930-20** | VB20 | 150 | 50 | 53 | 25 | 28 | 30 | 0-80 | M6 | 8 | 8 | 1.7kg |
| **52930-25** | VB25 | 175 | 63 | 63 | 32 | 31 | 35 | 0-90 | M6 | 10 | 11 | 3.0kg |
| **52930-30** | VB30 | 190 | 73 | 70 | 35 | 35 | 35 | 0-100 | M6 | 10 | 12 | 4.2kg |
| **52930-35** | VB35 | 235 | 88 | 80 | 40 | 40 | 40 | 0-130 | M8 | 12 | 14 | 7.0kg |
| **52930-40** | VB40 | 245 | 100 | 90 | 45 | 45 | 45 | 0-130 | M8 | 12 | 16 | 9.0kg |
| **52930-50** | VB50 | 285 | 125 | 100 | 50 | 50 | 45 | 0-160 | M8 | 14 | 18 | 15.0kg |

# Tool Maker Vise

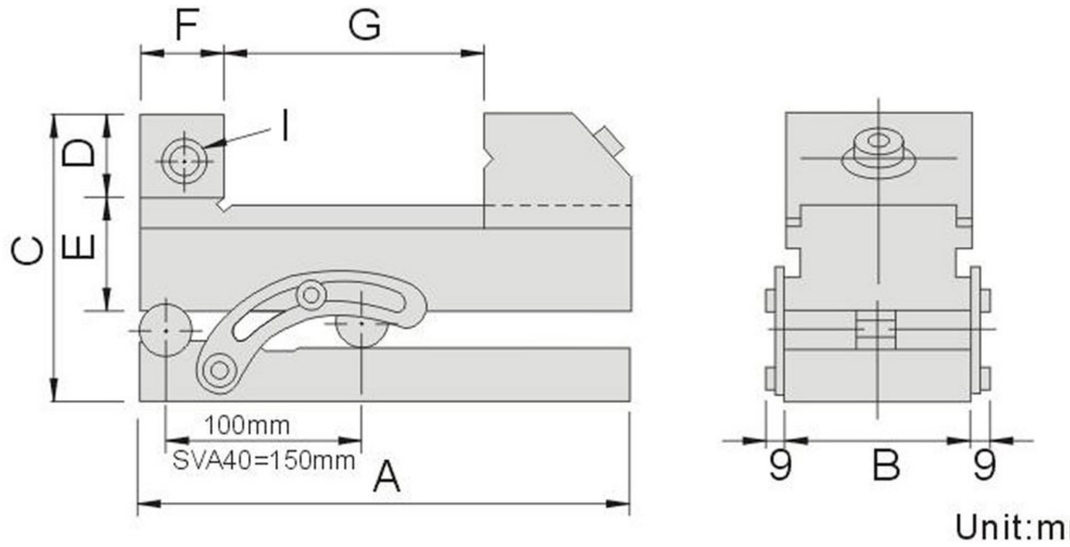
## 52940 SVA Tool Maker Vise



| | |
|---|---|
| Material | SK2 |
| Hardness | HRC52°~58° |
| Parallelism | within 0.005mm/100mm |
| Squareness | within 0.005mm/100mm |

### Features :

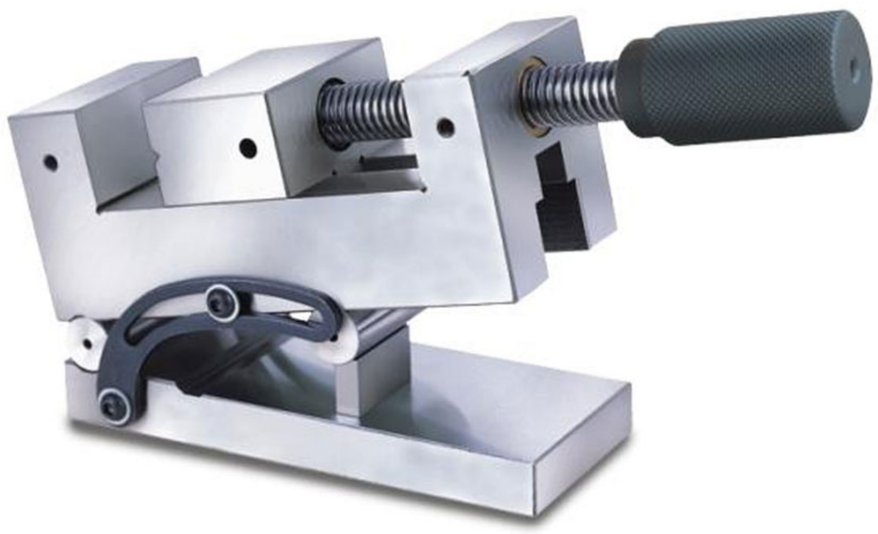
- Angles are figured by the following formula: The buildup under and roll is divided by the distance between the rolls. The quotient is equal to the sine of the resulting angle, which can be found in a trigonometric table or by using a scientific calculator.
- Maximum angle of 46°.




Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | I | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|
| **52940-20** | SVA20 | 150 | 48 | 88.5 | 25 | 28 | 25 | 0-75 | M6 | 2.9kg |
| **52940-25** | SVA25 | 176 | 63 | 94.5 | 30 | 29 | 30 | 0-85 | M6 | 4.6kg |
| **52940-30** | SVA30 | 190 | 73 | 103.5 | 35 | 33 | 35 | 0-95 | M6 | 6.4kg |
| **52940-40** | SVA40 | 245 | 98 | 126.5 | 45 | 45 | 45 | 0-125 | M6 | 14.1kg |

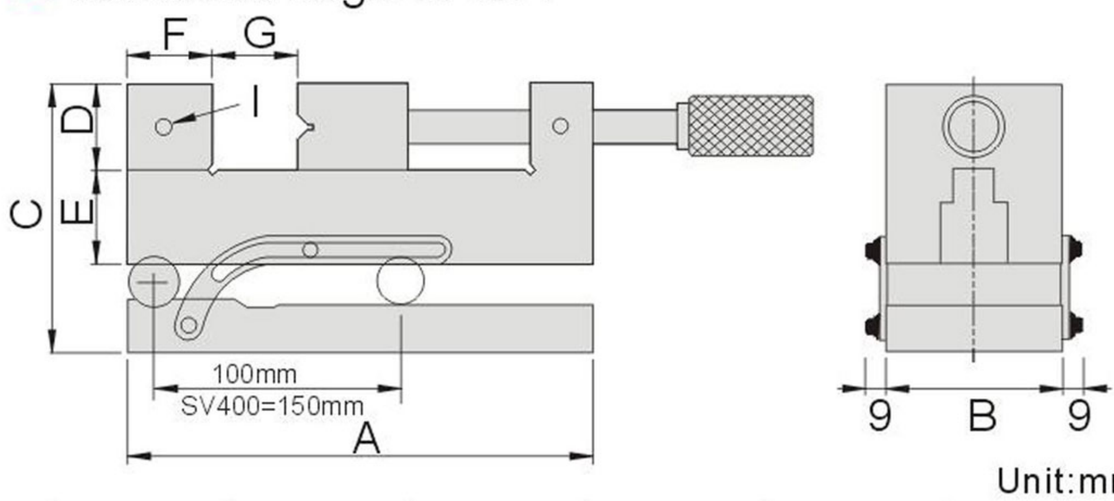
## 52950 SV Tool Maker Sine Vise



| | |
|---|---|
| Material | SK2 |
| Hardness | HRC52°~58° |
| Parallelism | within 0.005mm/100mm |
| Squareness | within 0.005mm/100mm |

### Features :

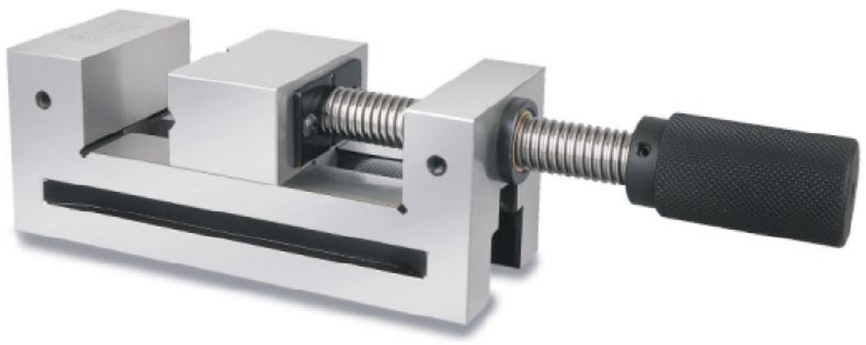
- Angles are figured by the following formula: The buildup under and roll is divided by the distance between the rolls. The quotient is equal to the sine of the resulting angle, which can be found in a trigonometric table or by using a scientific calculator.
- Maximum angle of 46°.




Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | I | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|
| **52950-200** | SV200 | 156 | 48 | 87.5 | 25 | 27 | 25 | 0-63 | M6 | 3.7kg |
| **52950-250** | SV250 | 176 | 63 | 98.5 | 30 | 33 | 30 | 0-73 | M6 | 6.0kg |
| **52950-300** | SV300 | 190 | 73 | 103.5 | 35 | 33 | 35 | 0-76 | M6 | 8.0kg |
| **52950-400** | SV400 | 255 | 98 | 120.5 | 40 | 42 | 40 | 0-120 | M8 | 16.0kg |

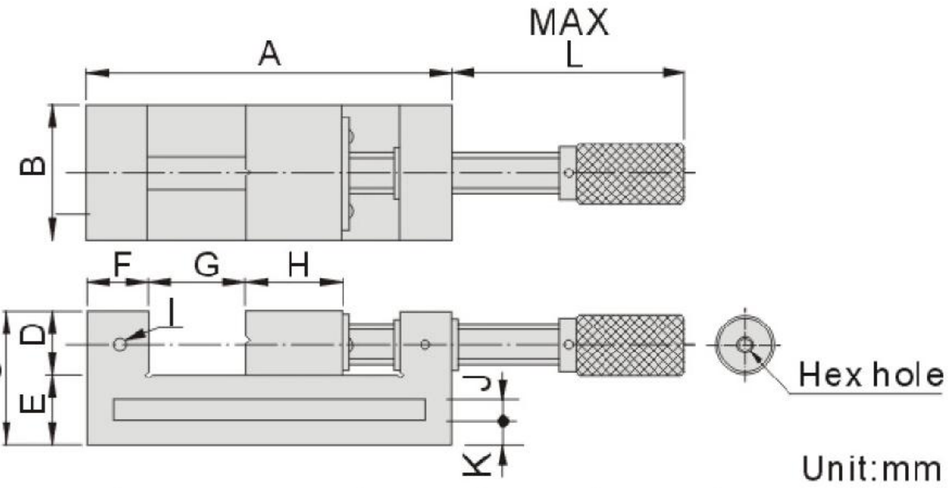
# 52960 VSD Tool Maker Vise



| | |
|---|---|
| Material | SK2 |
| Hardness | HRC52°~58° |
| Parallelism | within 0.004mm/100mm |
| Squareness | within 0.006mm/100mm |

## Features :

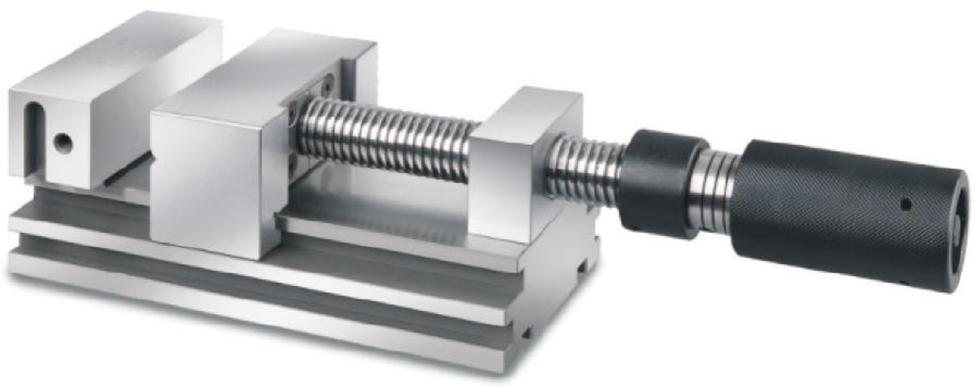
- New structure design for minimum clearance occurred when lock tight also handle with hex hole can apply hex wrench to lock tighter. Simple dismantle the screw bar when worn.




Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | J | K | L | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52960-20** | VSD20 | 156 | 48 | 52 | 25 | 27 | 25 | 0-63 | 34 | M6 | 8 | 9.5 | 125 | 2.3kg |
| **52960-25** | VSD25 | 176 | 63 | 63 | 30 | 33 | 30 | 0-73 | 40 | M6 | 10 | 11.5 | 147 | 4.0kg |
| **52960-30** | VSD30 | 190 | 73 | 73 | 35 | 38 | 35 | 0-76 | 45 | M6 | 10 | 14 | 151 | 5.5kg |
| **52960-40** | VSD40 | 255 | 98 | 82 | 40 | 42 | 40 | 0-120 | 50 | M8 | 12 | 15 | 196 | 11.0kg |
| **52960-50** | VSD50 | 310 | 125 | 100 | 50 | 50 | 50 | 0-152 | 57 | M8 | 14 | 18 | 231 | 18.3kg |
| **52960-60** | VSD60 | 325 | 150 | 100 | 50 | 50 | 50 | 0-165 | 60 | M8 | 14 | 18 | 245 | 20.0kg |

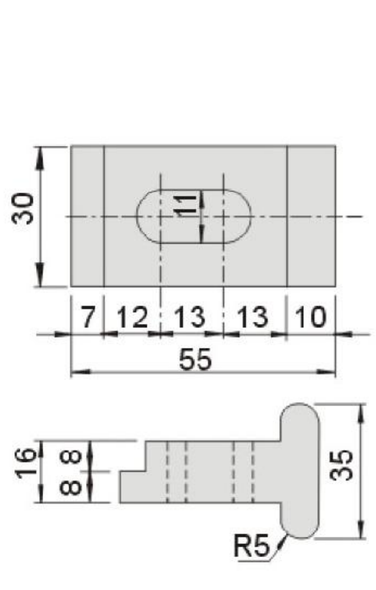
# 52970 PGV Precision Hydraulic Vise

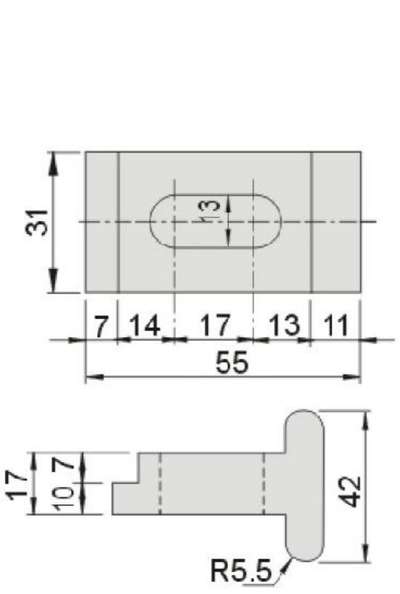


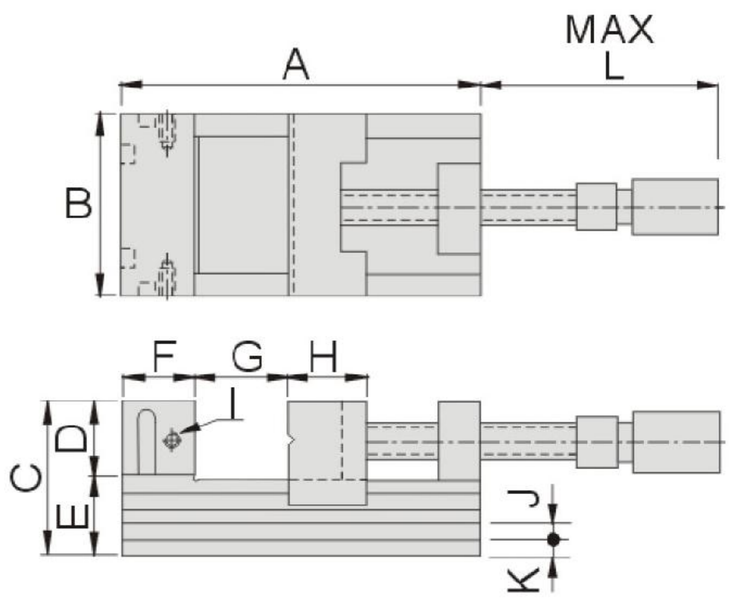
## Features :

- Adopting hydraulic structure with stronger clamping force.
- High precision and quality, popular in worldwide.

| | |
|---|---|
| Material | SNCM21 |
| Hardness | HRC56°~60° |
| Max clamping force | 1500kgf |
| Parallelism | within 0.005mm/100mm |
| Squareness | within 0.005mm/100mm |




Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | J (WXD) | K | L | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **52970-100** | PGV100 | 220 | 100 | 80 | 40 | 40 | 40 | 110 | 50 | M10 | 9x7 | 9.5 | 235 | 11.1kg |
| **52970-125** | PGV125 | 300 | 125 | 90 | 40 | 50 | 60 | 165 | 70 | M10 | 11x7 | 12.5 | 290 | 20.6kg |
| **52970-150** | PGV150 | 340 | 150 | 95 | 45 | 50 | 60 | 210 | 70 | M10 | 12x11 | 14 | 340 | 23.5kg |

# Wire EDM Extensions Clamp

## 53000 EW10 Wire EDM Clamp



### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with heat treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°

Spec.: L80 x W22 x T8



## 53005 EW20 Wire EDM Clamp



### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with heat treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°

Unit:mm

| Order No. | Model | Spec. | Mark |
|---|---|---|---|
| **53005-01** | EW20-01 | 70x22x8 | Ultra-thin |
| **53005-02** | EW20-02 | 70x22x12 | Standard |

## 53010 EW30 Wire EDM Clamp



### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with heat treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°

Unit:mm

| Order No. | Model | Spec. | Mark |
|---|---|---|---|
| **53010-01** | EW30-01 | 110x22x8 | Ultra-thin |
| **53010-02** | EW30-02 | 90x22x12 | Standard |

## 53015 EW40 Wire EDM Extensions Fixed Block



### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with heat treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°

Spec.: L50 x W20 x T5  M6 x 3

## 53020 EW50 Wire EDM Extensions Fixed Block



### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with heat treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°

Spec.: L65 x W20 x T5  M5 x 4

## 53025 EW60 Wire EDM Extensions Clamp



### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Spec.: L120 x W50 x T15 + H5

# Wire EDM Extensions Clamp

## 53030 EW70 Wire EDM Extensions Clamp



Spec. : L120 x W100 x T15 + H5

### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

## 53035 EW80 Wire EDM Extensions Clamp



Spec. : L120 x W200 x T15 + H5

### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

## 53040 EW90 Wire EDM Extensions Clamp



N.W. 1.7kg

Spec. : L220 x W60 x T20 + H5

### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

## 53045 EW100 Wire EDM Extensions Clamp



Spec. : L120 x W65 x T15 + H5

### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

# Wire EDM Extensions Clamp

## 53050 EWA Wire EDM Extensions Clamp Kit



N.W. 6.6kg

### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

**Kits including**

| No. | Kits Model | Q'ty | Page |
|---|---|---|---|
| **53035** | EW80 | 1PCS | Refer to P. B17~20 |
| **53025** | EW60 | 3PCS | |
| **53000** | EW10 | 2PCS | |
| **53005-02** | EW20-2 | 2PCS | |
| **53010-02** | EW30-2 | 2PCS | |



## 53055 EWB Wire EDM Extensions Clamp Kit



N.W. 6.6kg

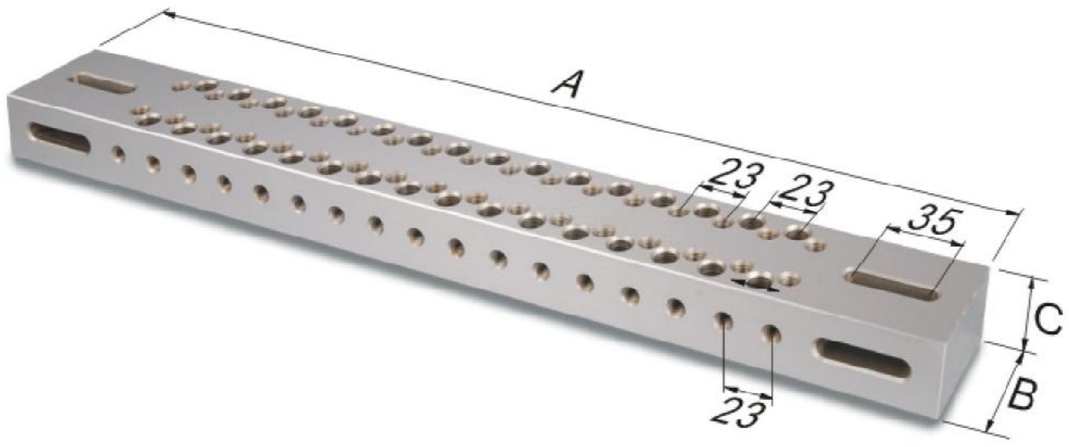
### Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

**Kits including**

| No. | Kits Model | Q'ty | Page |
|---|---|---|---|
| **53045** | EW100 | 6PCS | Refer to P. B17~20 |
| **53000** | EW10 | 2PCS | |
| **53005-02** | EW20-2 | 2PCS | |
| **53010-02** | EW30-2 | 2PCS | |

# 53060 WPA Ruler




## Features :

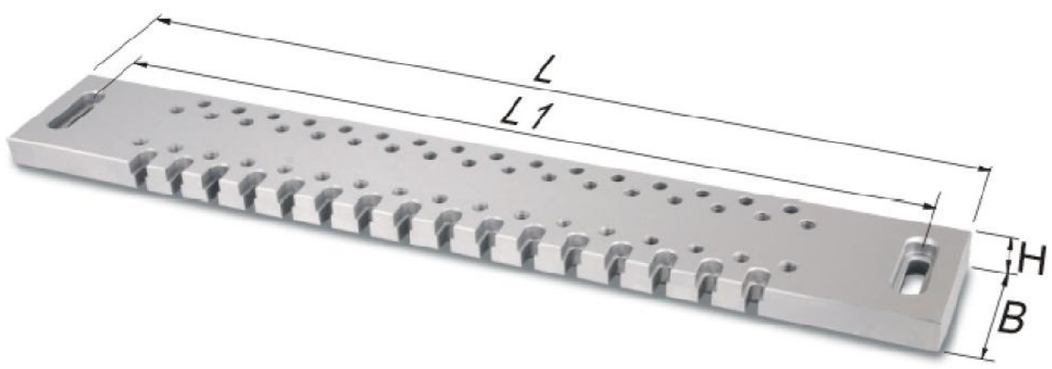
- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Suitable for large and heavy workpieces' application.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

**Kits including**

Unit:mm

| Order No. | Model | A | B | C | N.W. |
|---|---|---|---|---|---|
| **53060-01** | WPA-370 | 370 | 50 | 30 | 4.00kg |
| **53060-02** | WPA-450 | 450 | 50 | 30 | 5.00kg |
| **53060-03** | WPA-520 | 520 | 50 | 35 | 7.00kg |
| **53060-04** | WPA-550 | 550 | 60 | 35 | 9.00kg |
| **53060-05** | WPA-650 | 650 | 60 | 35 | 10.5kg |

# 53065 WPB Ruler




## Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Suitable for large and heavy workpieces' application.
- Material: SUS440
- Hardness: HRC50°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

**Kits including**

Unit:mm

| Order No. | Model | L | L1 | B | H | N.W. |
|---|---|---|---|---|---|---|
| **53065-01** | WPB-370 | 370 | 320 | 75 | 20 | 4.00kg |
| **53065-02** | WPB-480 | 480 | 430 | 75 | 20 | 5.20kg |
| **53065-03** | WPB-520 | 520 | 480 | 75 | 20 | 6.00kg |
| **53065-04** | WPB-550 | 550 | 500 | 90 | 22 | 8.20kg |
| **53065-05** | WPB-600 | 600 | 550 | 90 | 22 | 9.00kg |
| **53065-06** | WPB-650 | 650 | 600 | 90 | 22 | 10.0kg |
| **53065-07** | WPB-750 | 750 | 700 | 90 | 22 | 11.3kg |

# Wire EDM Extensions Clamp

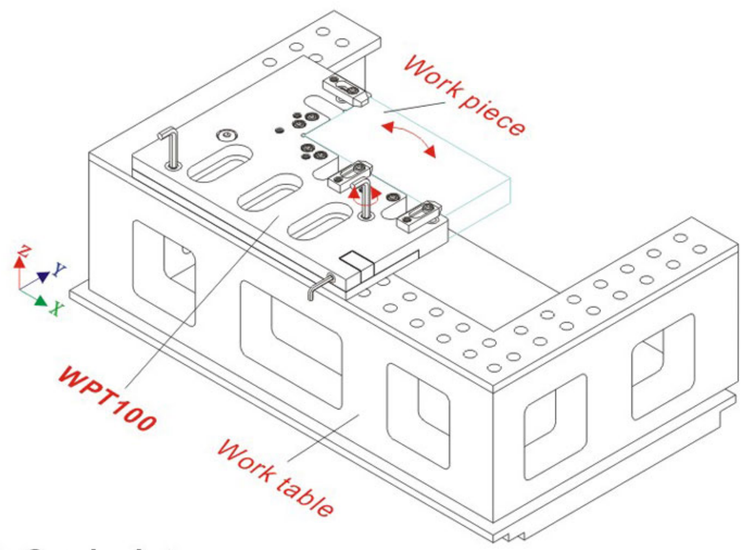
## 53068 WPT100 Adjustable Fixture For EDM



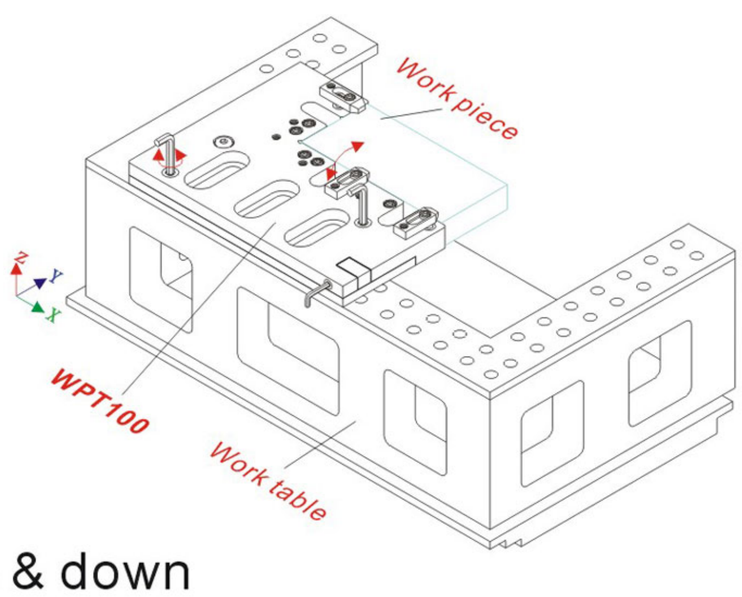

N.W. 6.8kg



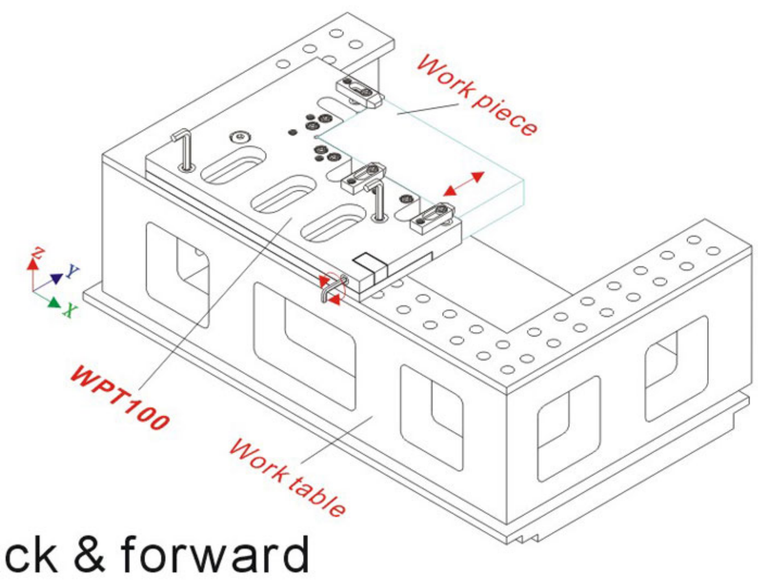
X,Y,Z axis fine-tuning illustration




1.left & right



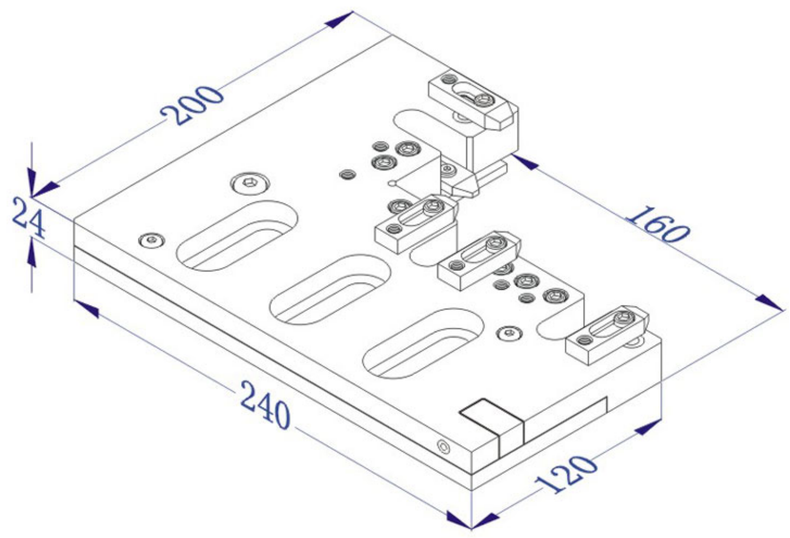

2.Up & down



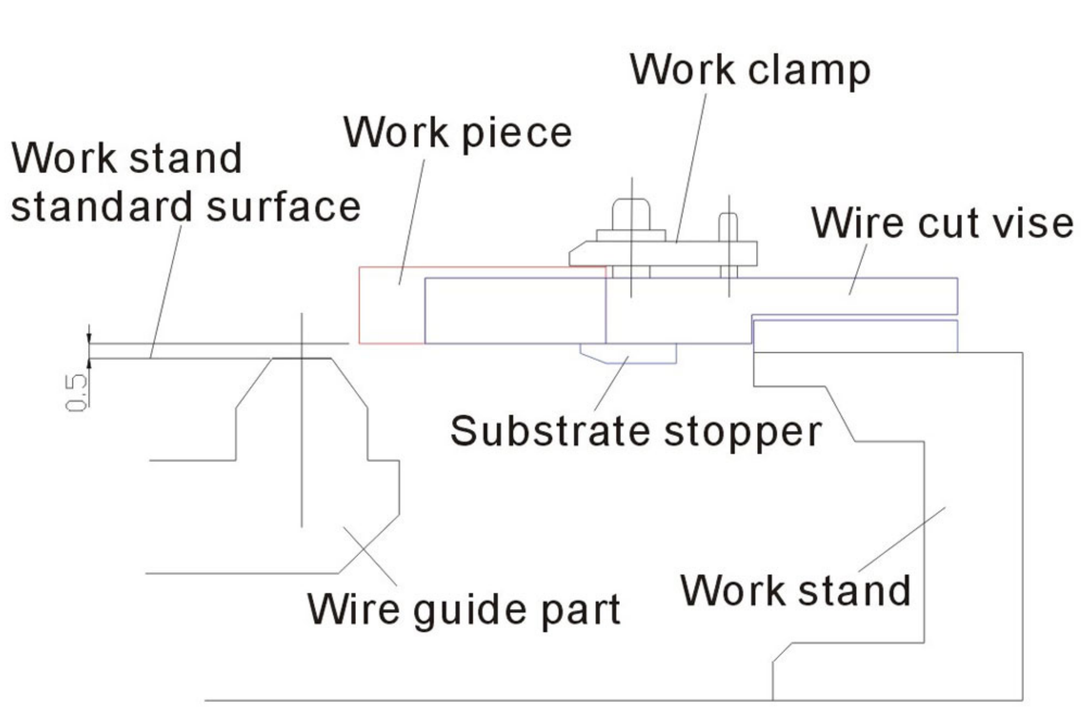

3.back & forward

## Features :

- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With X,Y, and Z axis fine-tuning function.
- Material: SUS440
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm




Installation illustration



# 53070 WPT200 Levelling Adjustable Universal Fixture

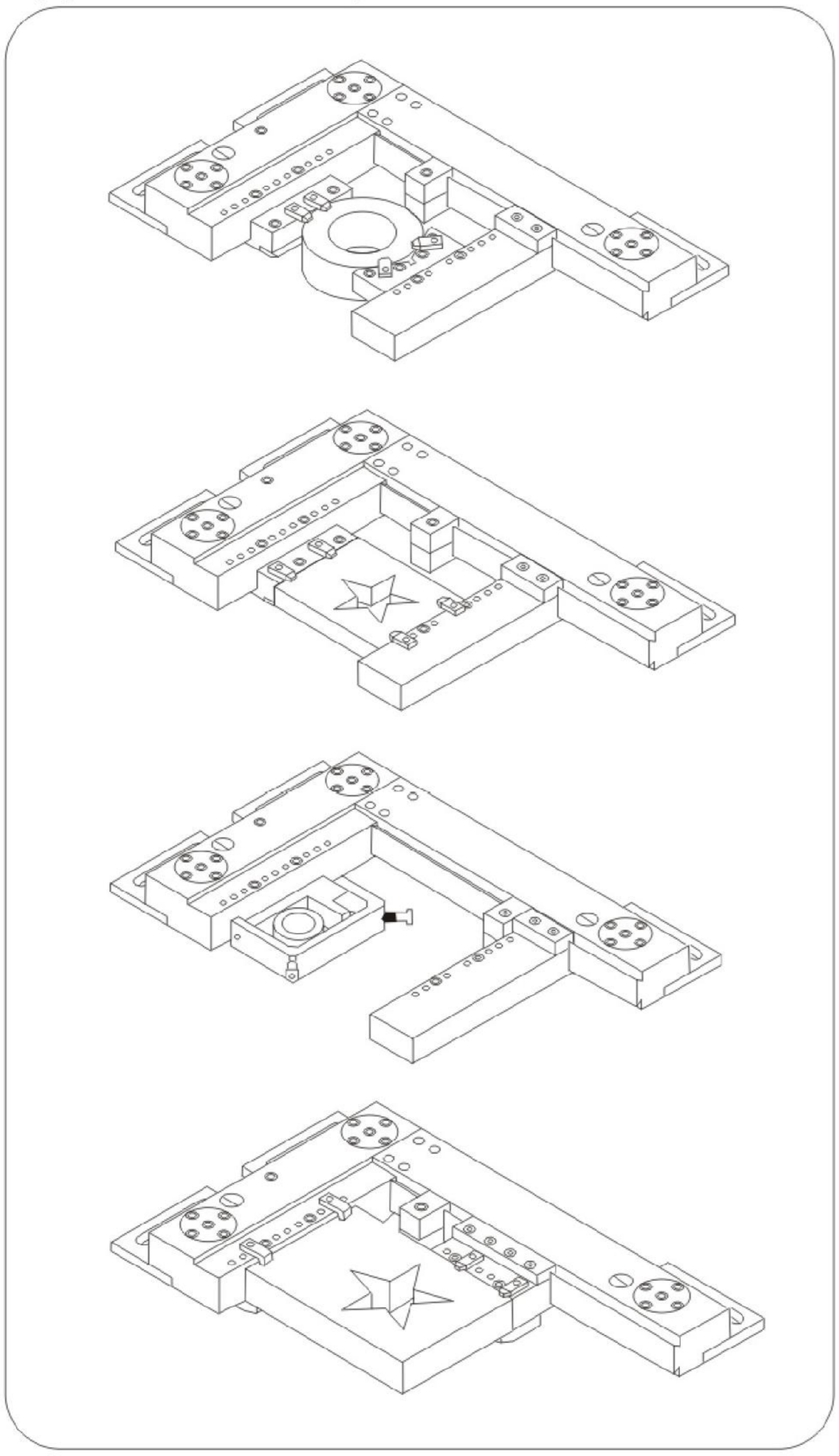


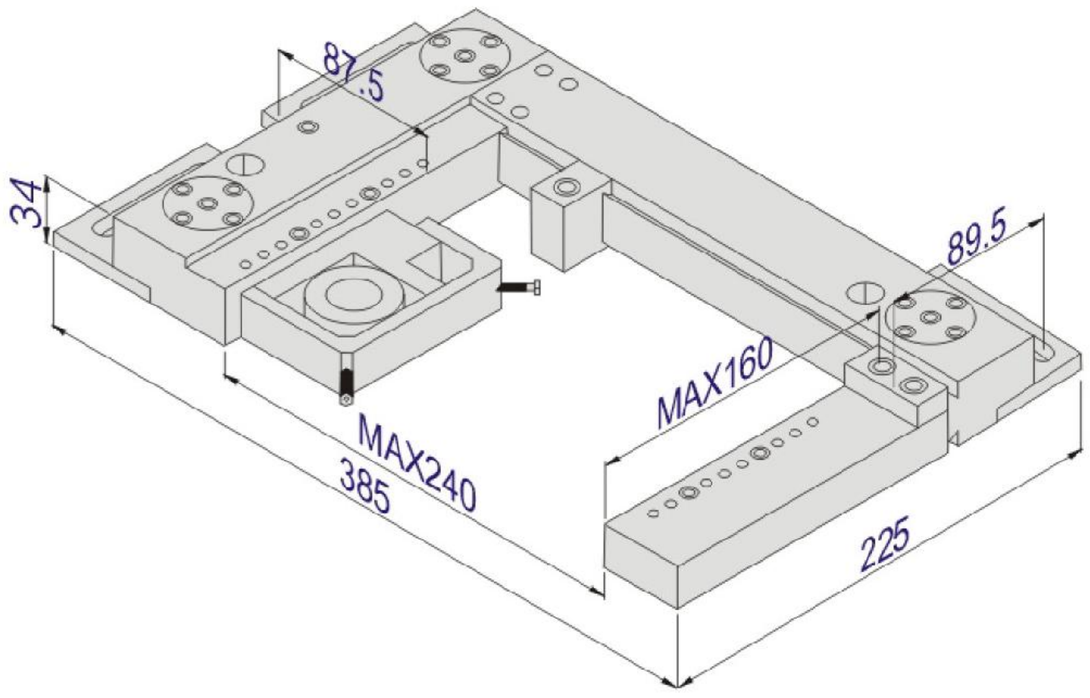
## Features :

- Suitable for using in WEDM machines.
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Suitable for large and heavy workpieces' application.

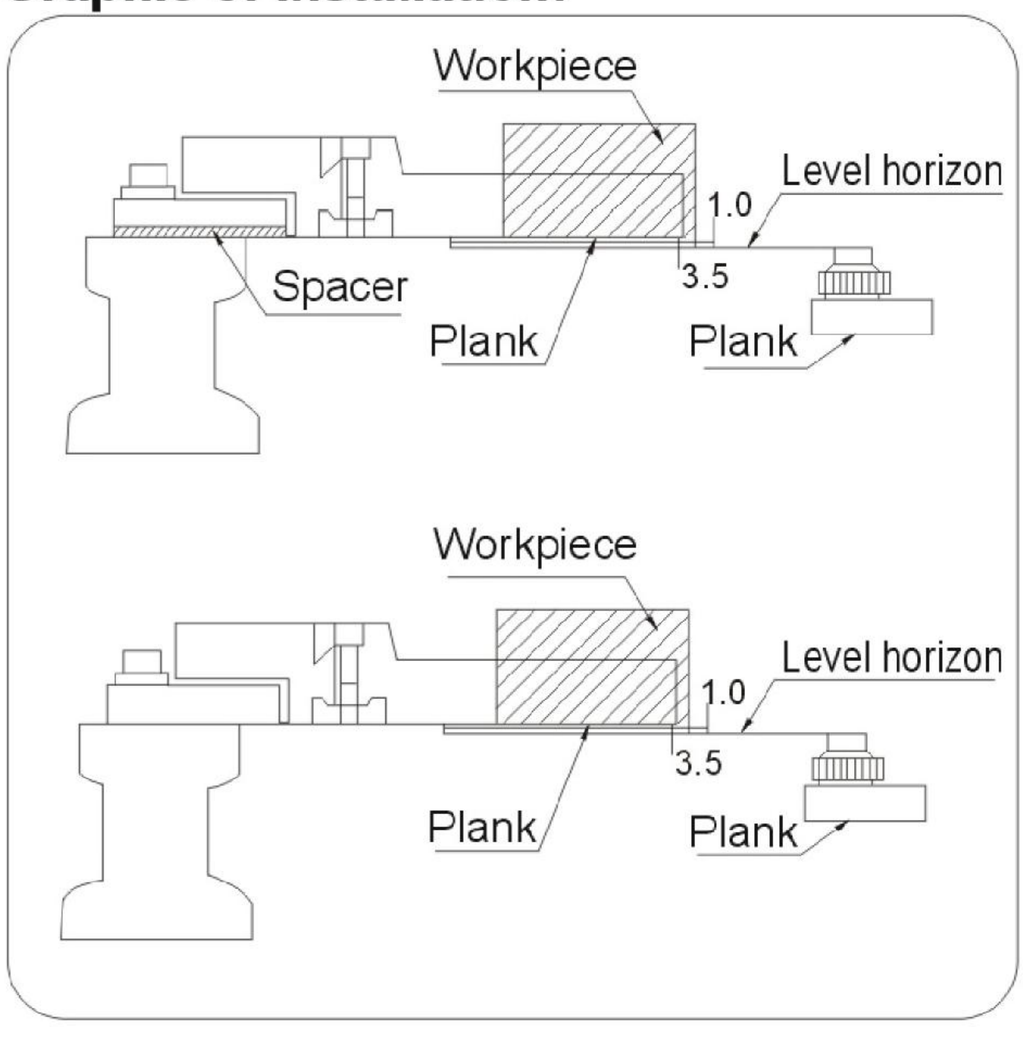


## Application example:






## Graphic of installation:

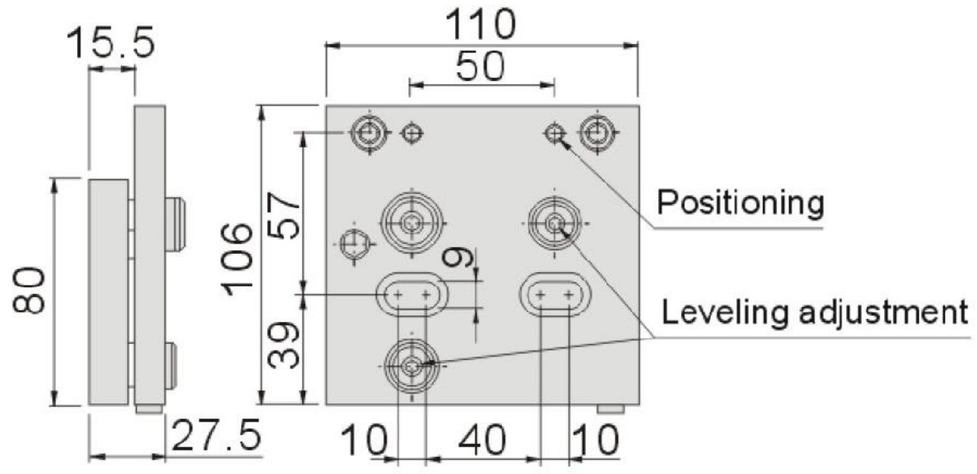


# Wire EDM Extensions Clamp

## 53100 WST001 Leveling Base



N.W. 1.8kg



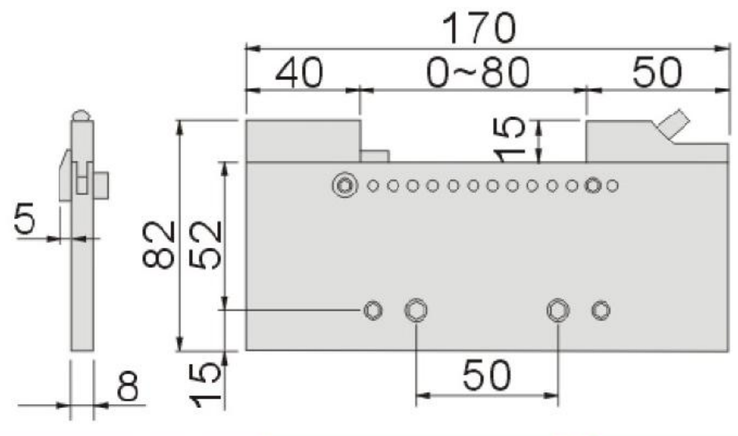

### Features :

- Suitable for using in WEDM machines and based on the processing needs, install with precision vise, V-block or parallel sets.
- Adopting high quality stainless steel (ASSAB-STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Suitable for small, thin and round workpieces' application.
- 3-axis can be adjustable via applying hex wrench.
- Material: SUS440
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

## 53105 WST080 Precision Vise



N.W. 0.8kg



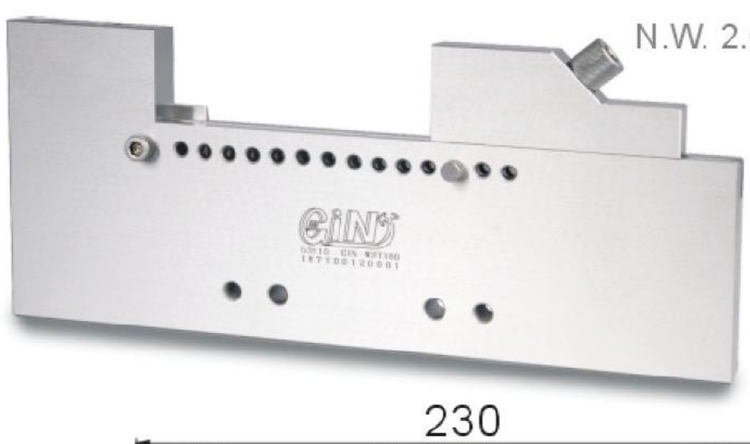

### Features :

- Adopting high quality stainless steel (ASSAB-STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Can be installed with “Leveling base WST001”, 3-axis can be adjustable via applying hex wrench.
- Material: SUS440
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

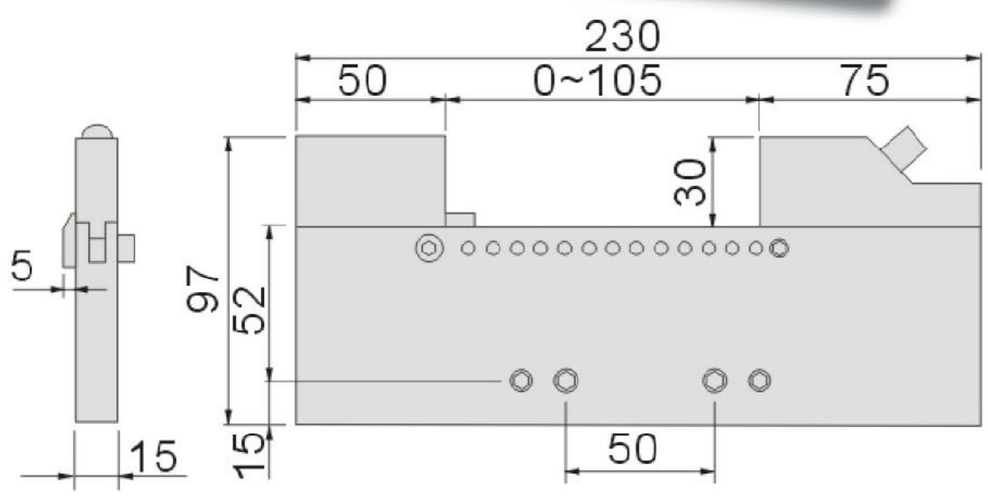
Application example with Leveling base



## 53110 WST100 Precision Vise



N.W. 2.0kg




### Features :

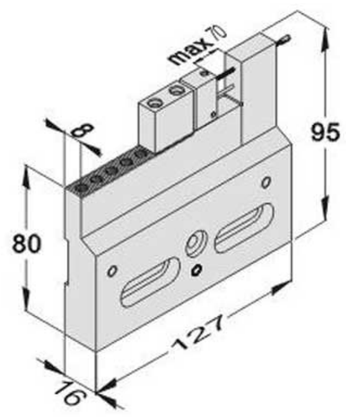
- Adopting high quality stainless steel (ASSAB-STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Can be installed with “Leveling base WST001”, 3-axis can be adjustable via applying hex wrench.
- Material: SUS440
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Application example with Leveling base



## 53112 WAV35 Wire EDM Vise



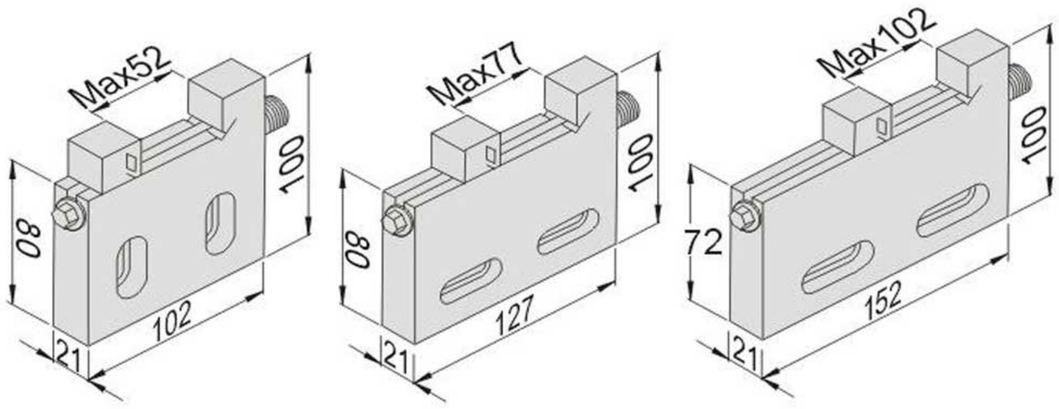



### Features :

- Adopting high quality stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With manual screw design, it is suitable for small workpieces' application.
- High precision thanks to the special structure design.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

## 53115 WAV Wire EDM Vise






### Features :

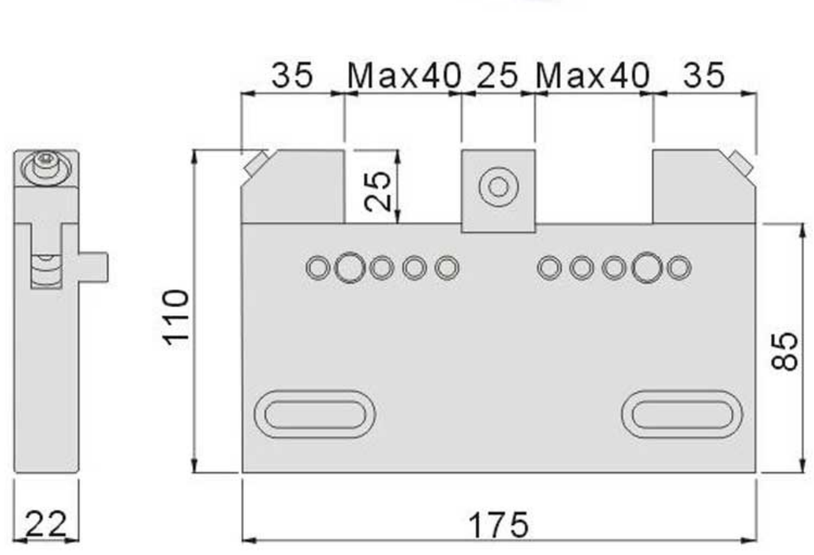
- Adopting high quality stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With manual screw design, it is suitable for small workpieces' application.
- High precision thanks to the special structure design.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Unit:mm

| Order No. | Model | Spec | Clamping range | | N.W. |
|---|---|---|---|---|---|
| | | | Max. | Depth | |
| **53115-01** | WAV50 | 21x100x102 | 52 | 20 | 1.1kg |
| **53115-02** | WAV75 | 21x100x127 | 77 | 20 | 1.8kg |
| **53115-03** | WAV100 | 21x100x152 | 102 | 28 | 2.0kg |

## 53120 WBV40 Wire EDM Vise






### Features :

- Adopting high quality stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Quick dismantle function with 2 workpieces can be clamped at the same time.
- Lean angle design for the jaws, stronger clam ping force and no floating. High water pressure resistance.
- Hardness: HRC45°~ 55°
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

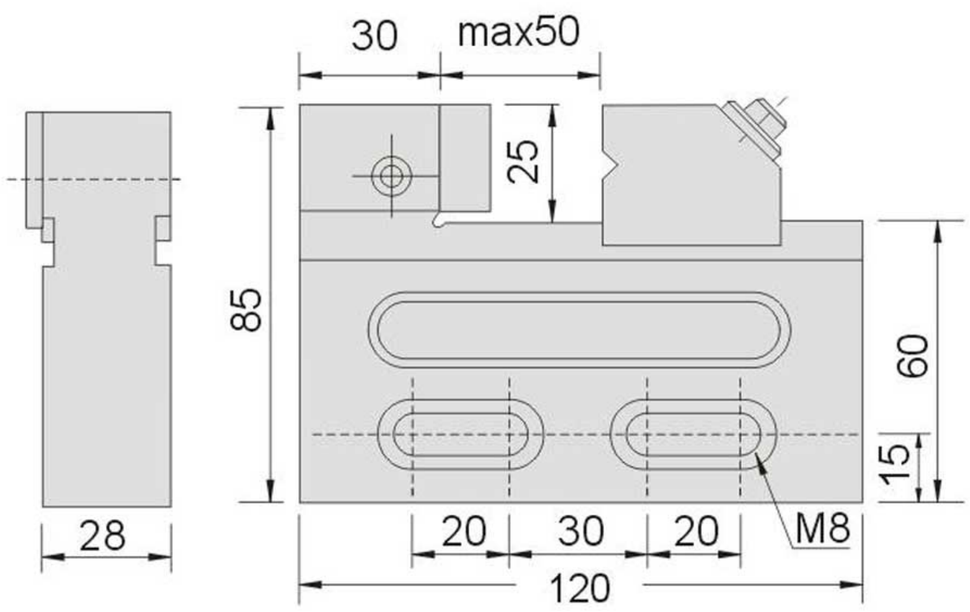
Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 22x110x175 | 40 | 22 | 25 | 2.8kg |

# Wire EDM Extensions Clamp

## 53125 WPV50 Stainless Precision Vise For EDM






### Features :

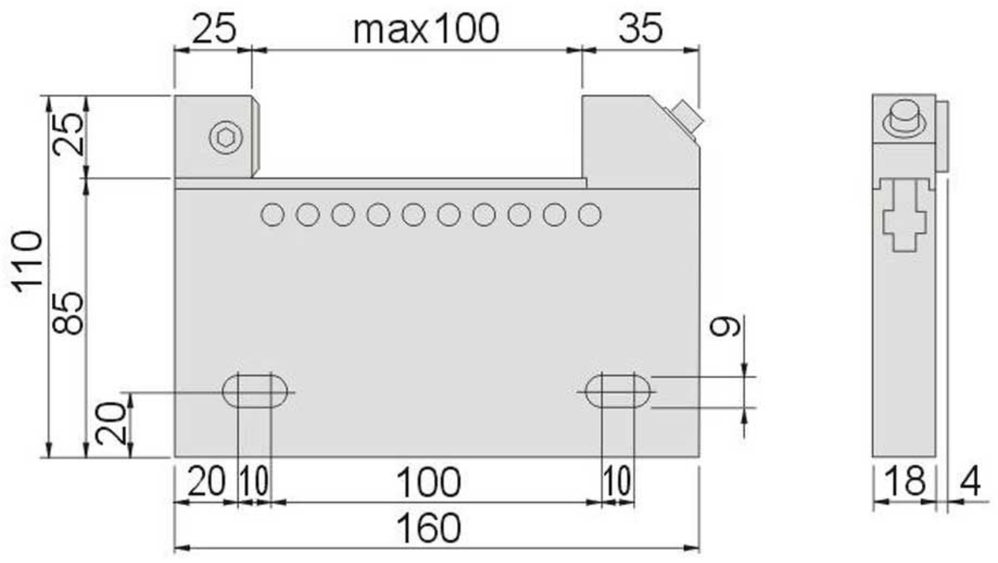
- Adopting high quality stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 28x85x120 | 50 | 28 | 25 | 1.1kg |

## 53130 WPV90 Stainless Precision Vise For EDM




### Features :

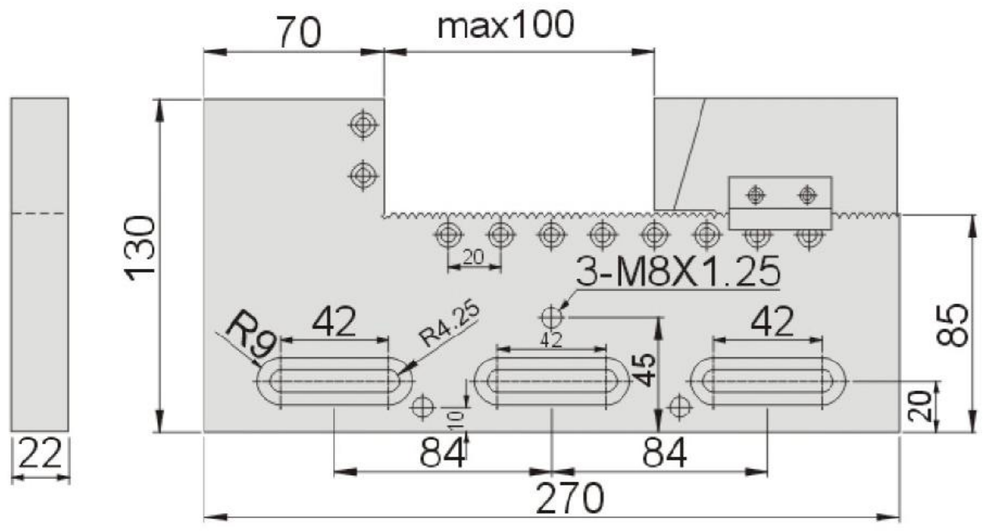
- Adopting high quality stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Suitable for small and thin workpieces' application.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 18x110x160 | 100 | 18 | 25 | 2.8kg |

## 53135 WPV100 Stainless Precision Vise For EDM






### Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

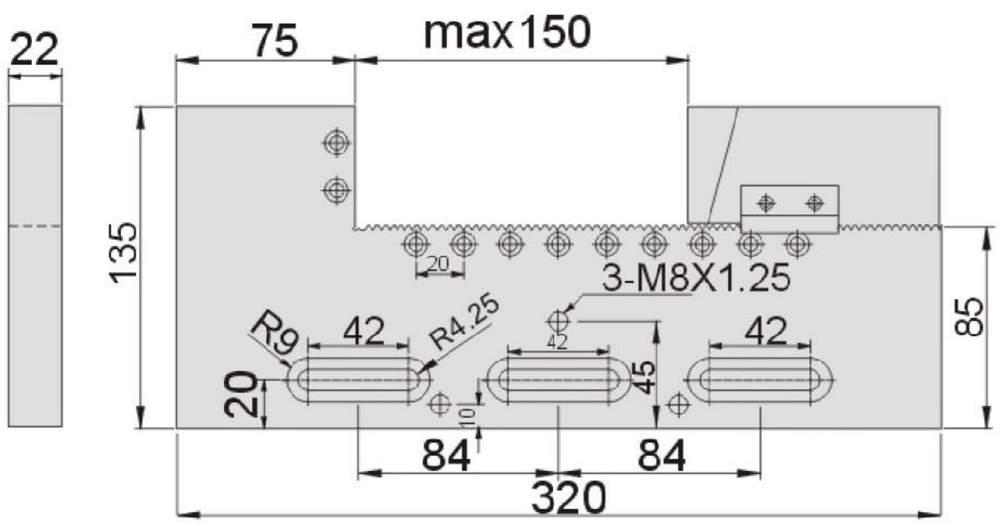
Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 22x130x270 | 100 | 22 | 45 | 5.0kg |



## 53140 WPV150 Stainless Precision Vise For EDM






### Features :

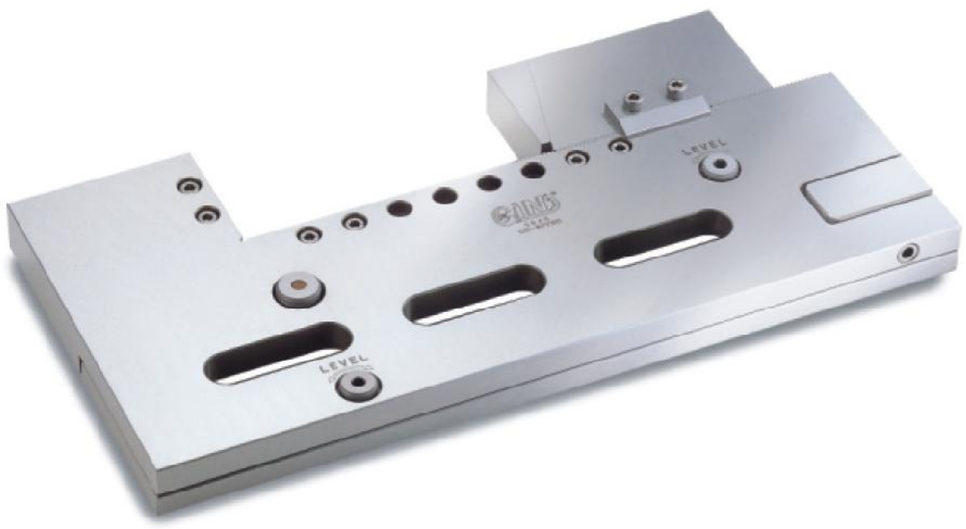
- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 22x135x320 | 150 | 22 | 50 | 5.6kg |

# Wire EDM Extensions Clamp

## 53145 WPV Stainless Precision Vise For EDM

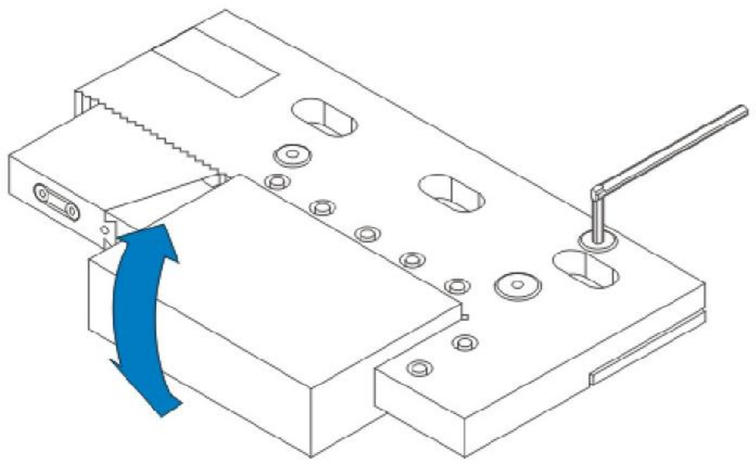


## Features :

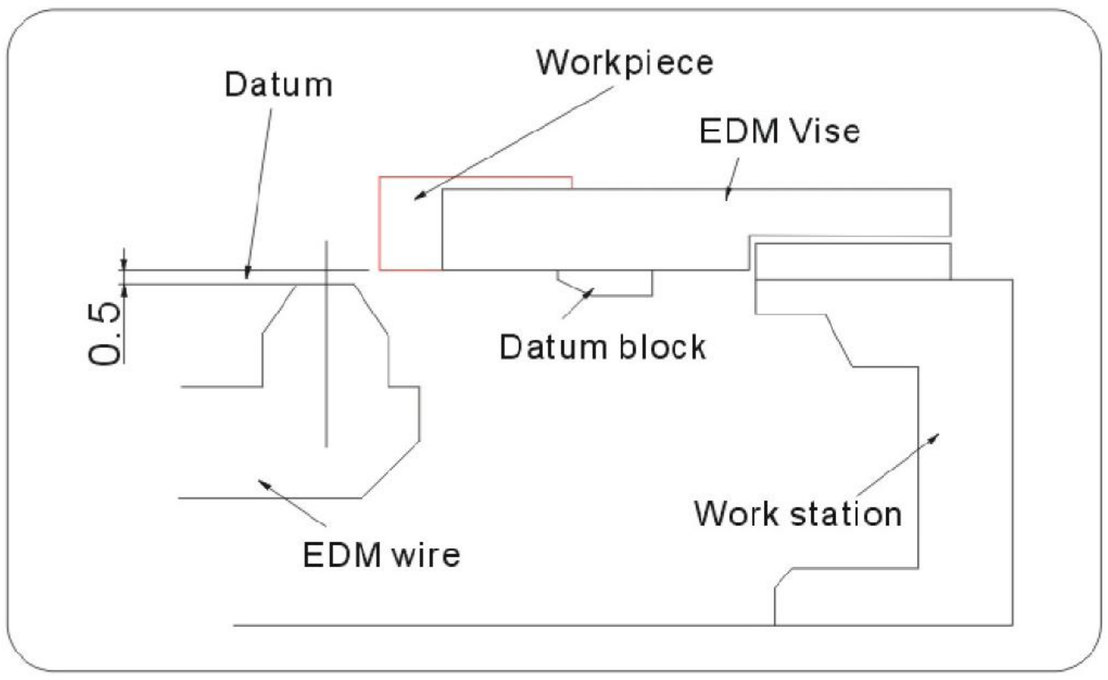
- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- 3-axis can be adjustable in this model.
- High water pressure resistance when clamping.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm



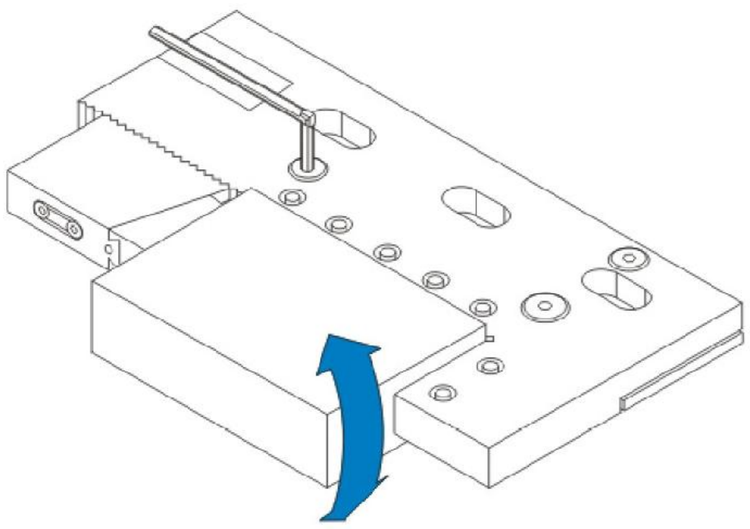
### Leveling adjustment



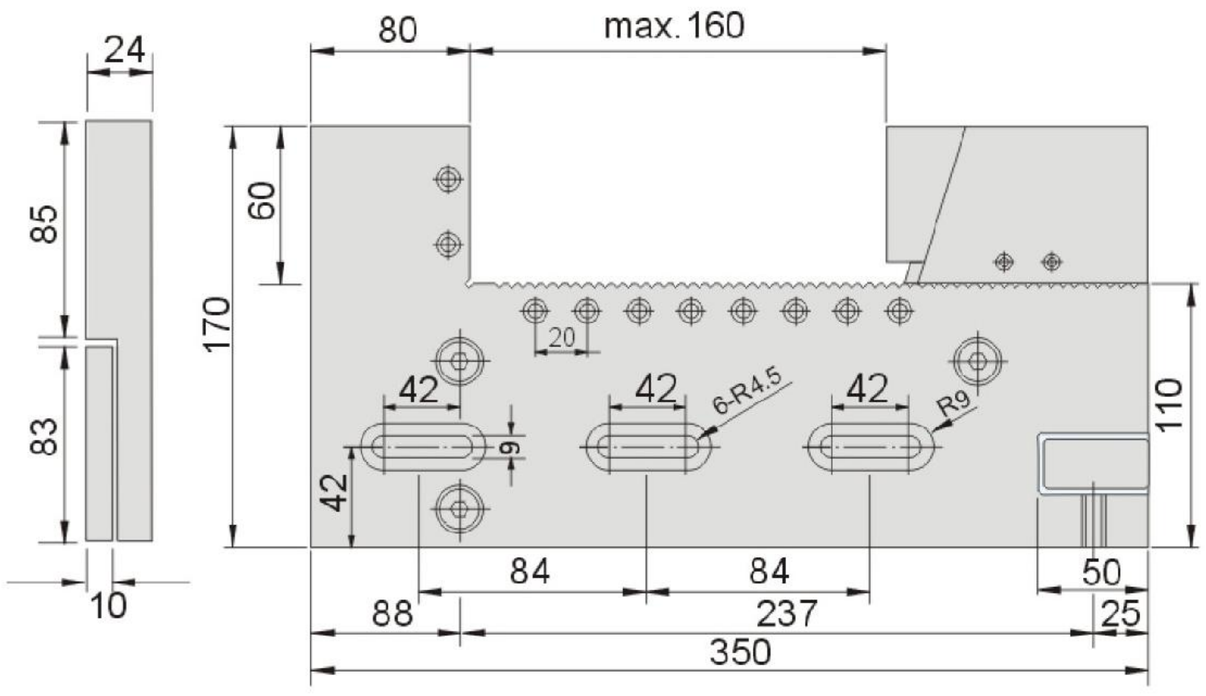
### Graphic of installation



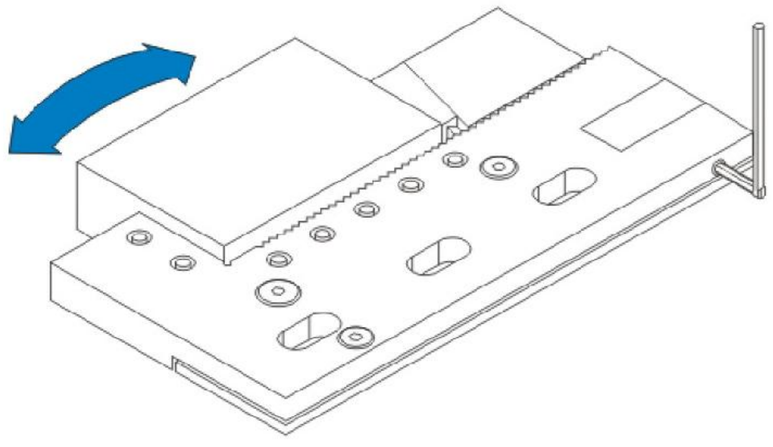

### Leveling adjustment



### WPV320 spec




### Parallel adjustment



Unit:mm

| Order No. | Model | Spec | Clamping range | | N.W. |
|---|---|---|---|---|---|
| | | | Max. | Depth | |
| **53145-01** | WPV280 | 24x170x270 | 100 | 50 | 5.5kg |
| **53145-02** | WPV320 | 24x170x350 | 160 | 60 | 8.6kg |

# 53148 WPV Stainless Precision Vise For EDM



WPV300

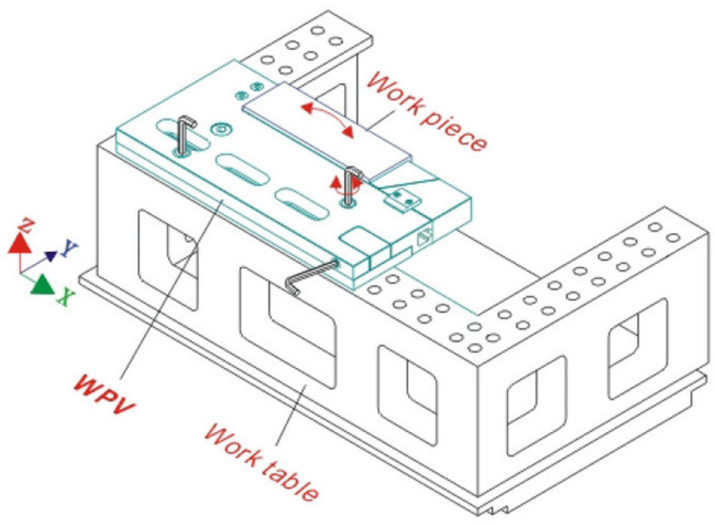


WPV240

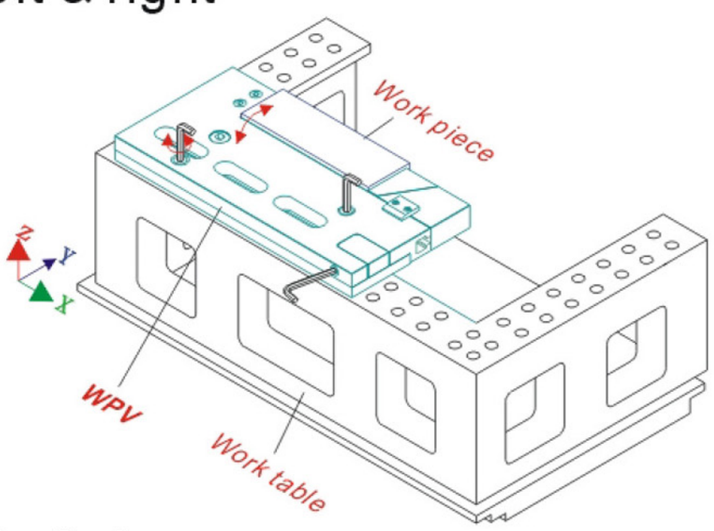
## Features :

- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With X, Y, and Z axis fine-tuning function.
- Material: SUS440
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

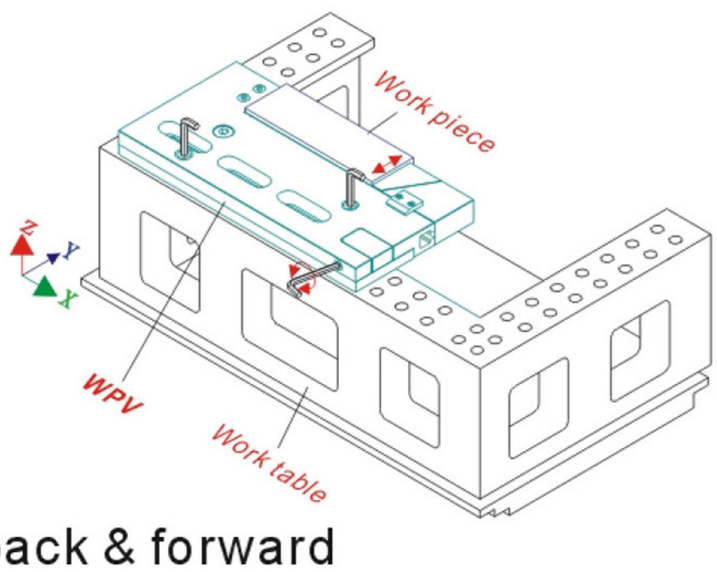
X, Y, Z axis fine-tuning illustration



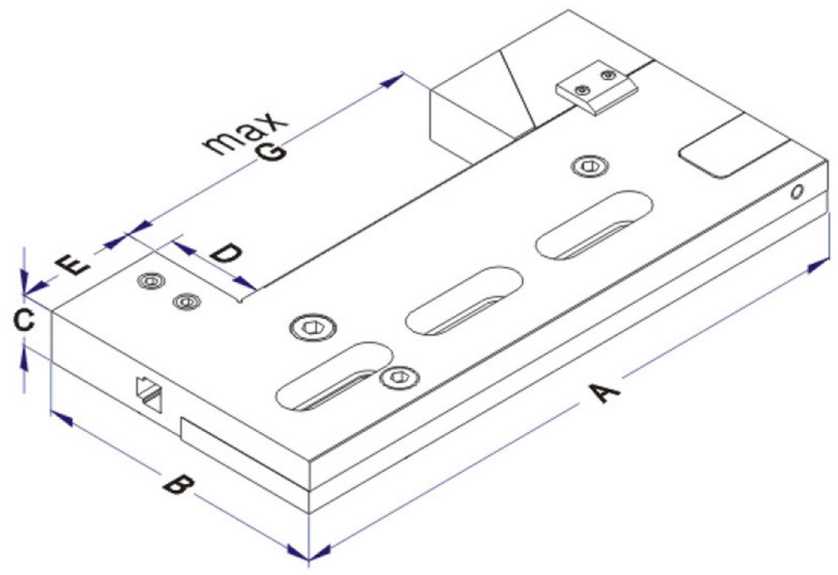

1.left & right



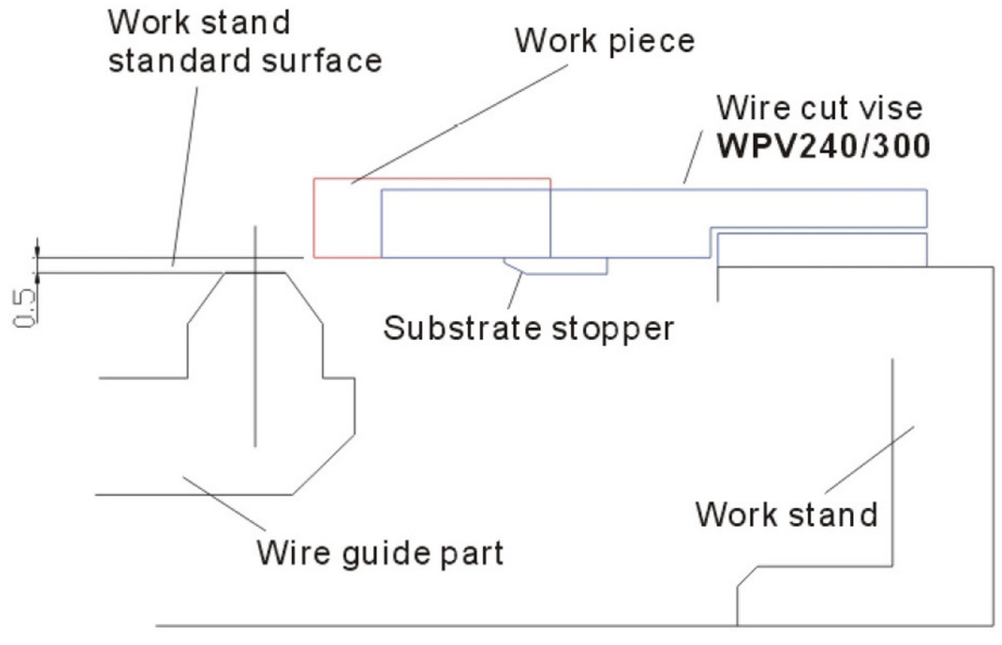

2.Up & down




3.back & forward




Installation illustration

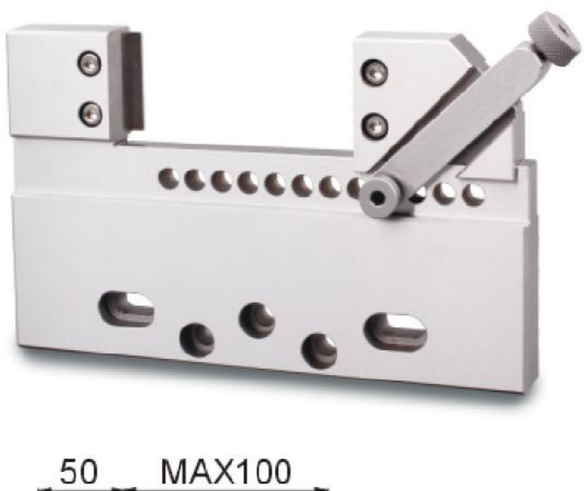


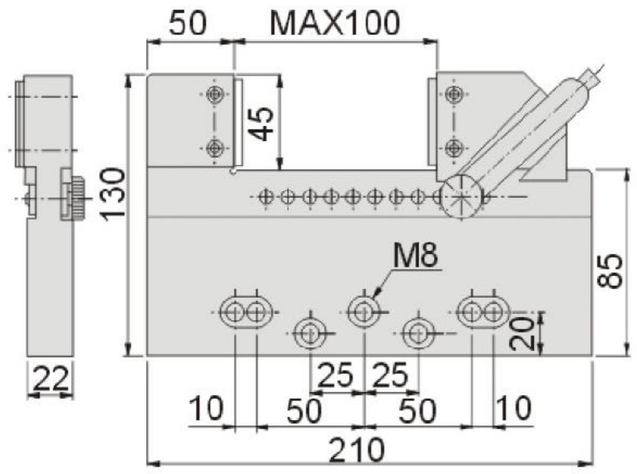

Unit:mm

| Order No. | Model | A | B | C | D | E | G | N.W. |
|---|---|---|---|---|---|---|---|---|
| **53148-01** | WPV240 | 245 | 160 | 24 | 50 | 55 | 100 | 5.4kg |
| **53148-02** | WPV300 | 300 | 160 | 24 | 50 | 60 | 150 | 7.8kg |

# Wire EDM Extensions Clamp

## 53150 WEV100 Stainless Precision Vise For EDM






### Features :

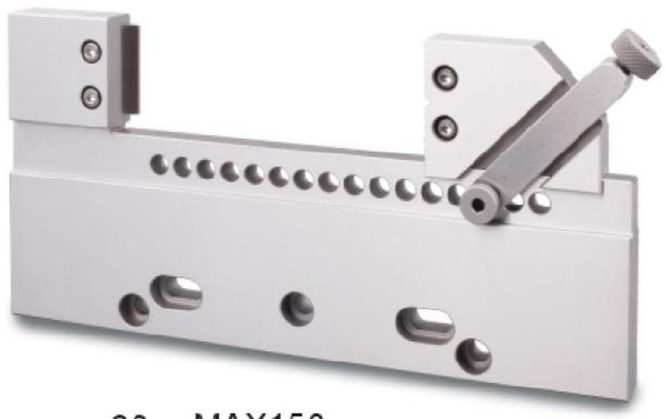
- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

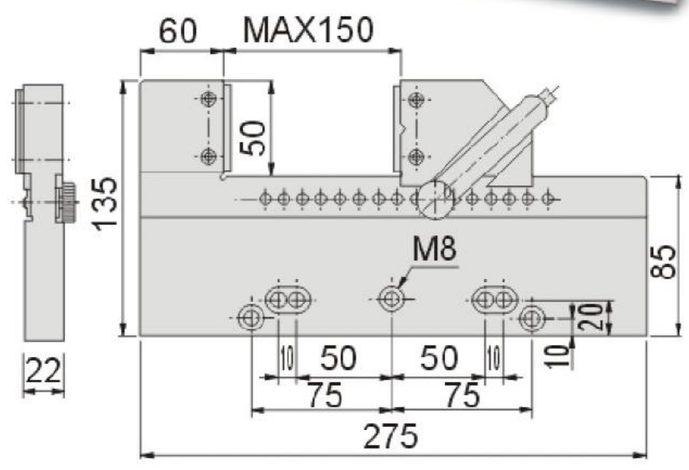
Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 22x130x210 | 100 | 22 | 45 | 3.0kg |



## 53155 WEV150 Stainless Precision Vise For EDM






### Features :

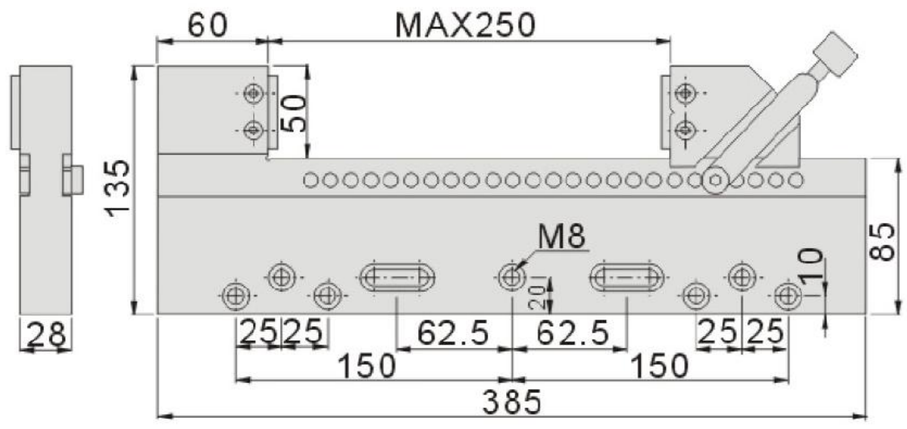
- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 22x135x275 | 150 | 22 | 50 | 4.0kg |

## 53160 WEV250 Stainless Precision Vise For EDM





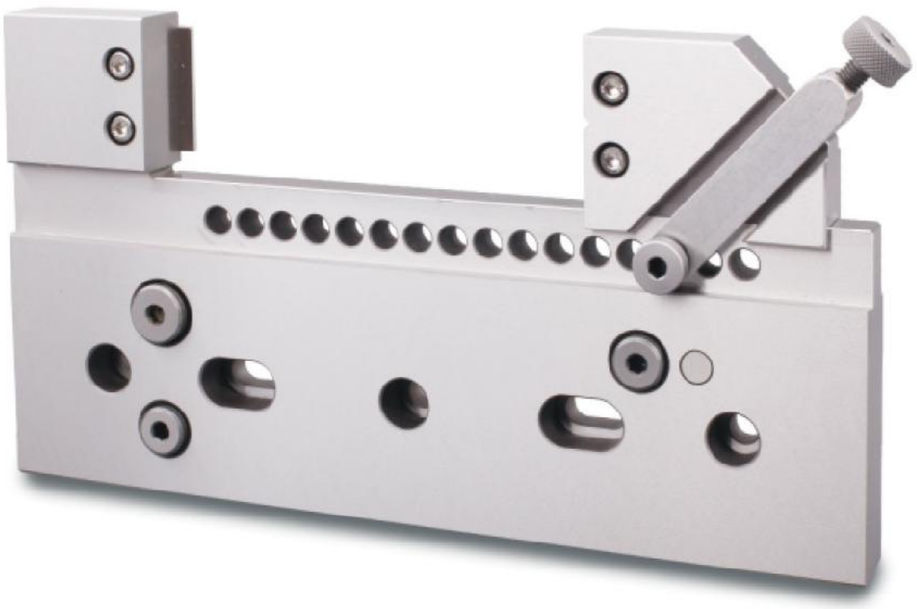

### Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Unit:mm

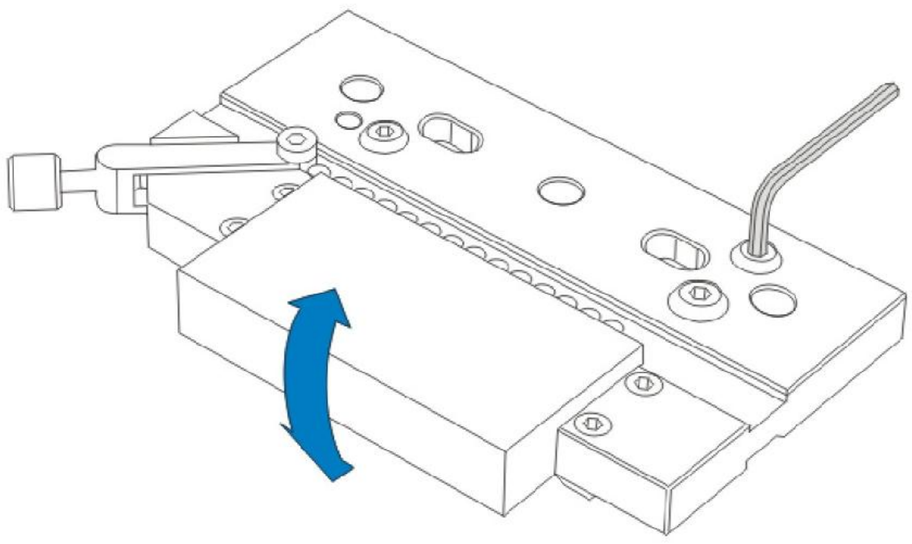
| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 28x135x385 | 250 | 28 | 50 | 5.5kg |

# 53165 WEV280 Stainless Precision Vise For EDM





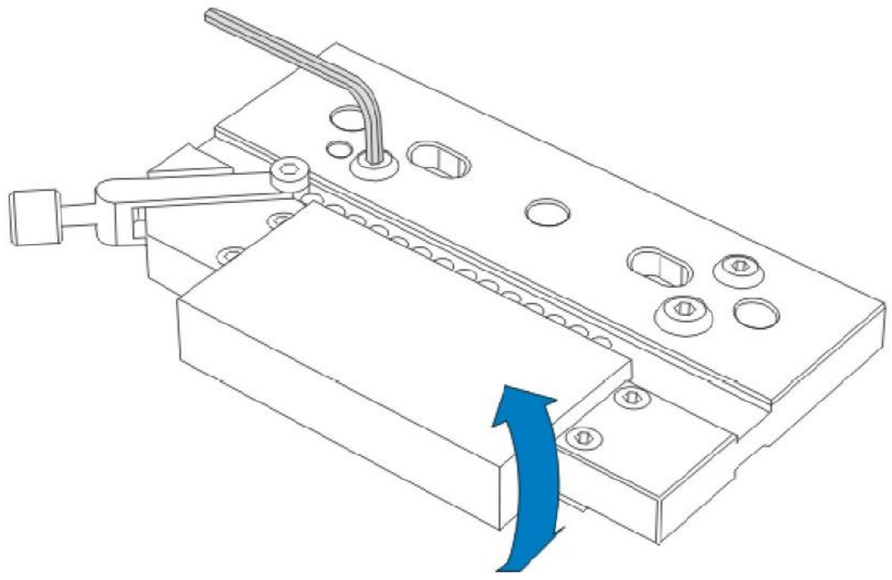
Leveling adjustment



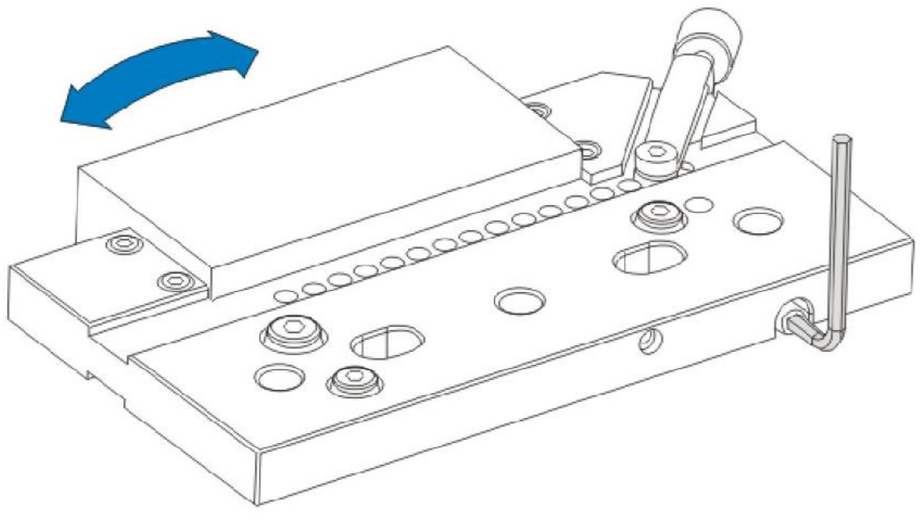
## Features :

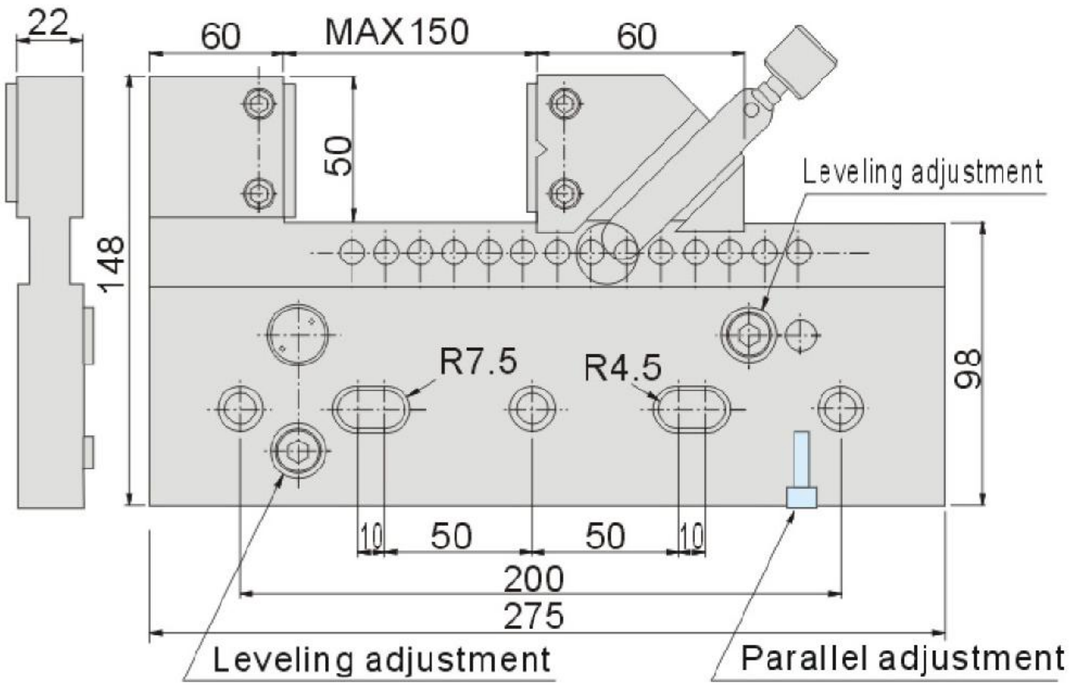
- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45° lock down design, workpiece anti-floating when clamp.
- 3-axis can be adjustable in this model.
- High water pressure resistance when clamping.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

Leveling adjustment



Parallel adjustment



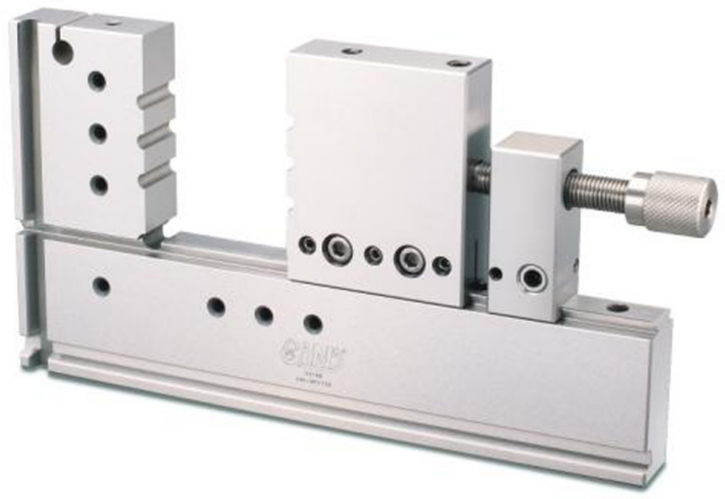



Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 22x148x275 | 150 | 22 | 50 | 5.5kg |

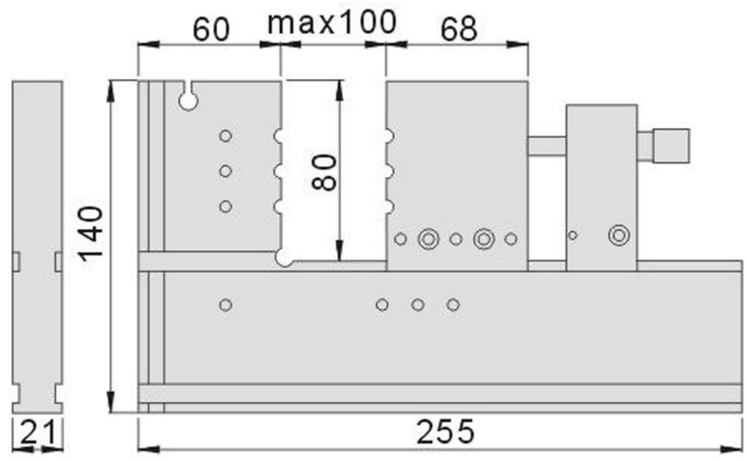
# Wire EDM Extensions Clamp

## 53168 WFV100 Stainless Precision Vise For EDM



### Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With screw bar design, workpieces can be easily and rapidly clamped to any suitable sizes.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm





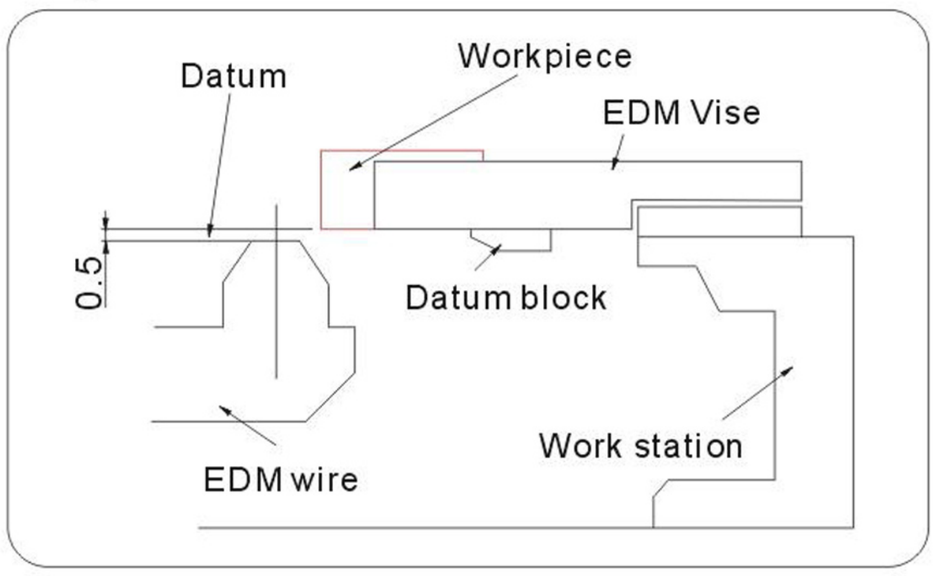

## 53170 WHV Stainless Precision Vise For EDM

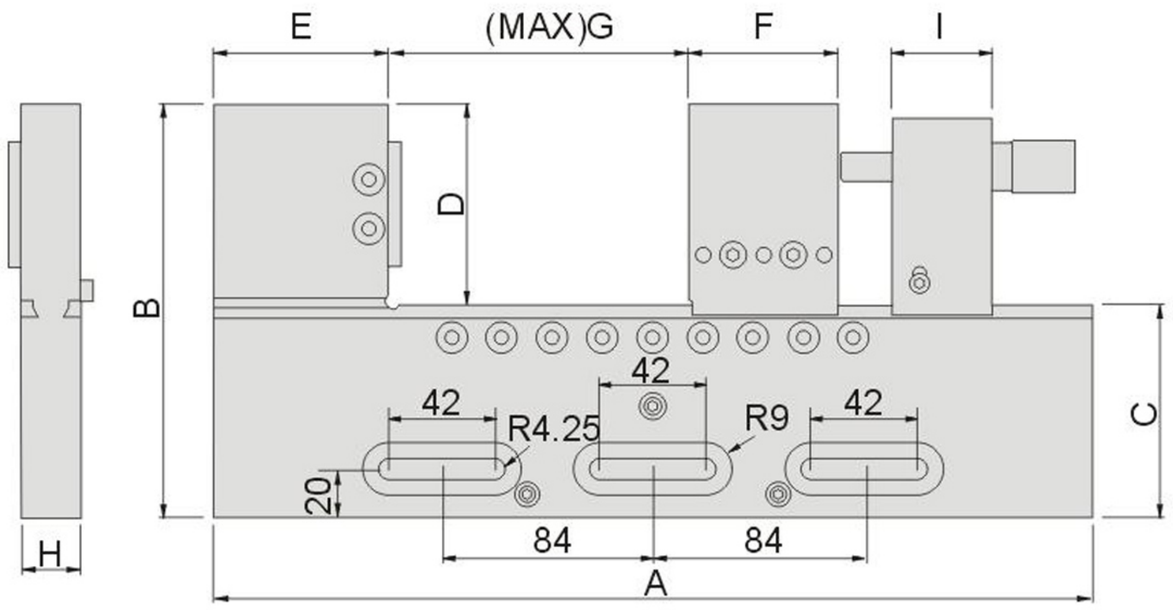


### Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With screw bar design, workpieces can be easily and rapidly clamped to any suitable sizes.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

**Graphic of installation**




Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **53170-01** | WHV100 | 275 | 135 | 85 | 50 | 60 | 60 | 120 | 24 | 35 | 5.5kg |
| **53170-02** | WHV150 | 350 | 145 | 85 | 60 | 70 | 60 | 180 | 24 | 35 | 7.5kg |

# 53175 WHV Stainless Precision Vise For EDM



WHV260



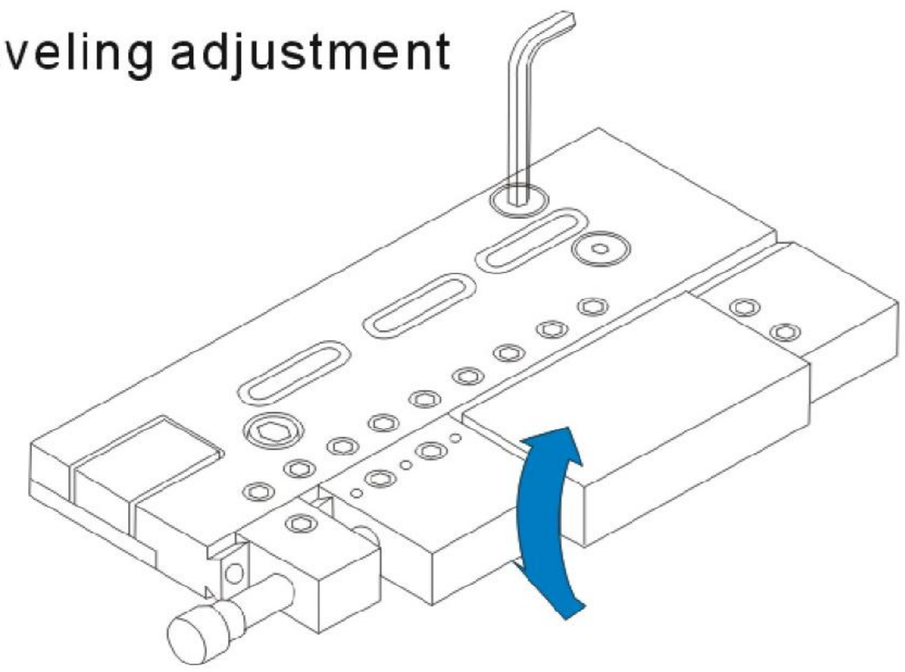
WHV350

## Features :

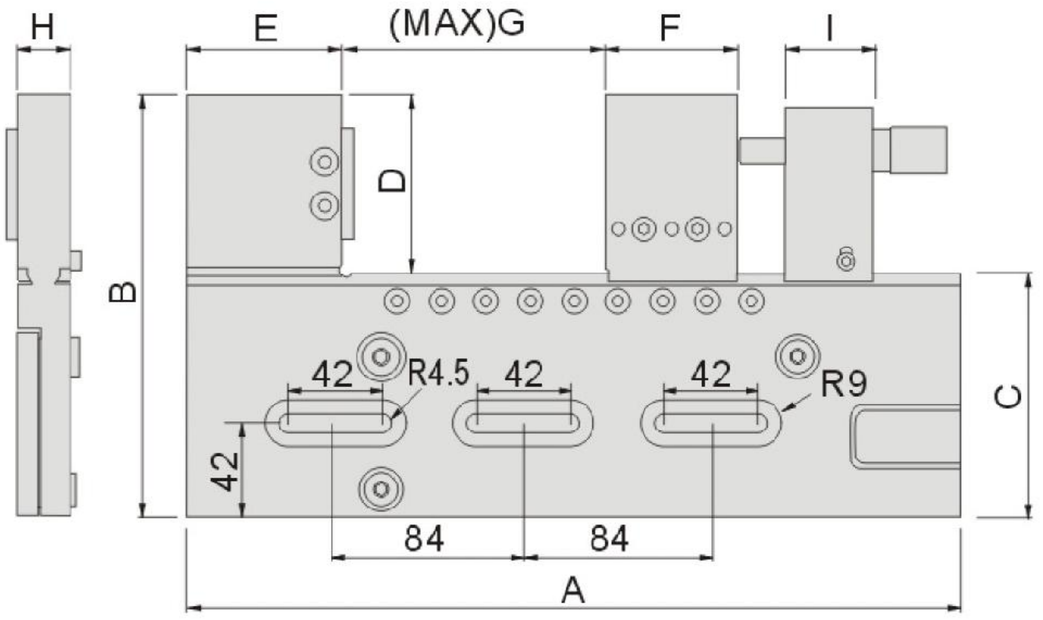
- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With screw bar design, workpieces can be easily and rapidly clamped to any suitable sizes.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm



Leveling adjustment

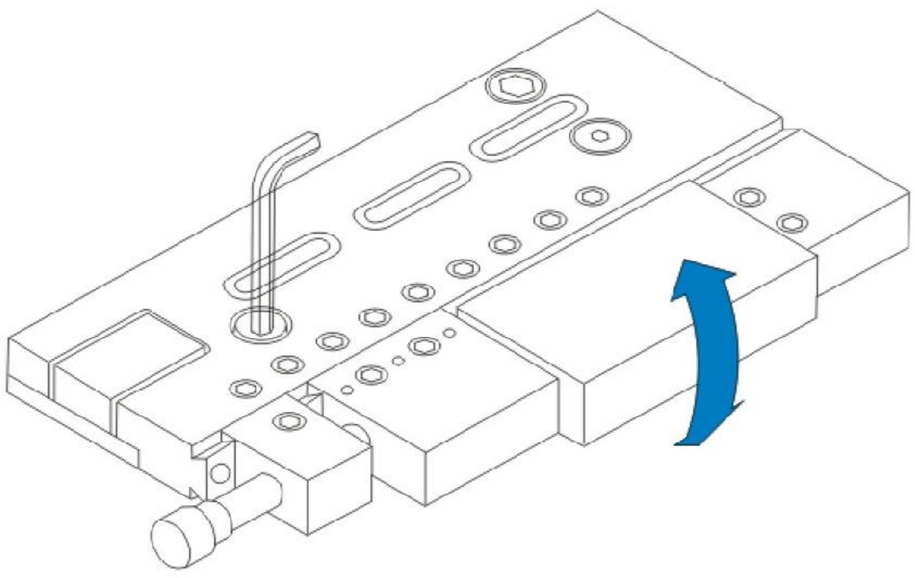


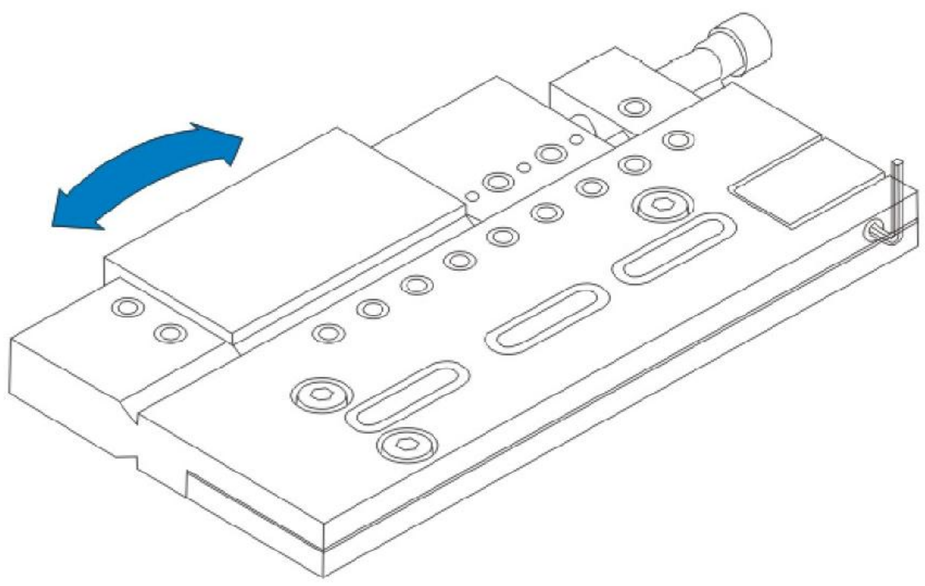
Leveling adjustment




WHV350

Parallel adjustment



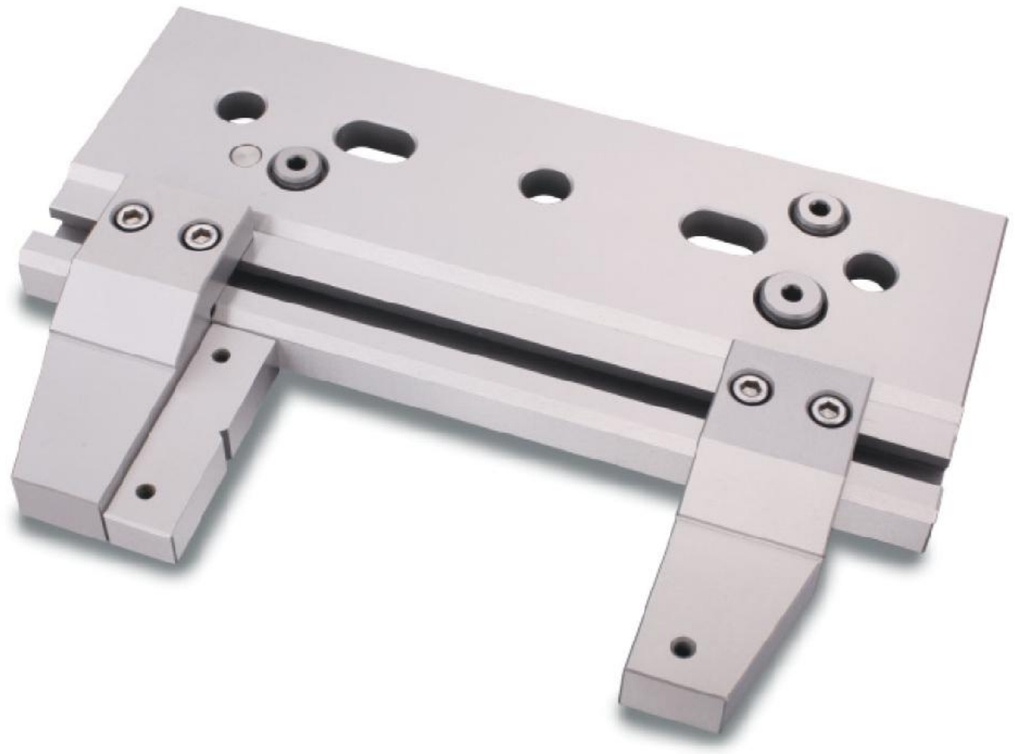


Unit:mm

| Order No. | Model | A | B | C | D | E | F | G | H | I | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **53175-01** | WHV260 | 275 | 160 | 110 | 50 | 60 | 60 | 120 | 24 | 35 | 7.0kg |
| **53175-02** | WHV350 | 350 | 170 | 110 | 60 | 70 | 60 | 180 | 24 | 35 | 9.0kg |

# Wire EDM Extensions Clamp

## 53180 WCV280 Stainless Precision Vise For EDM

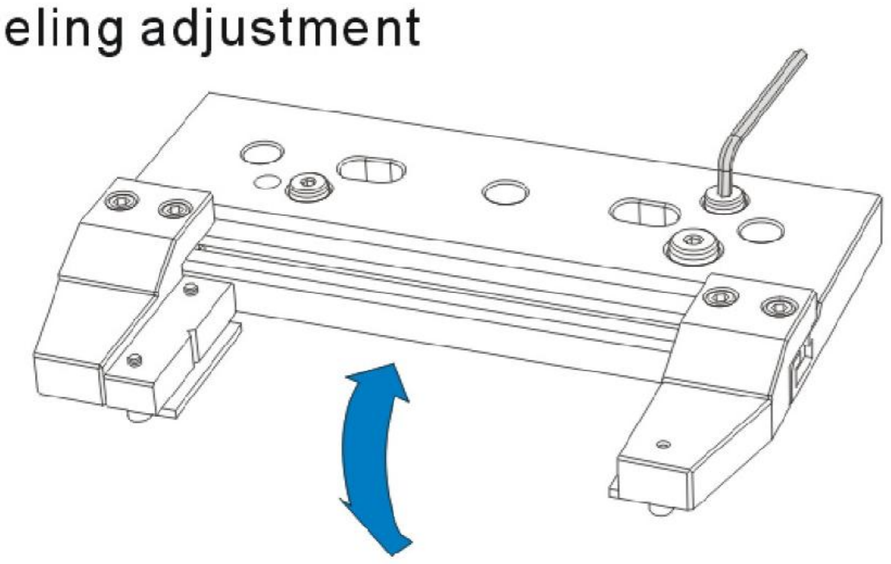




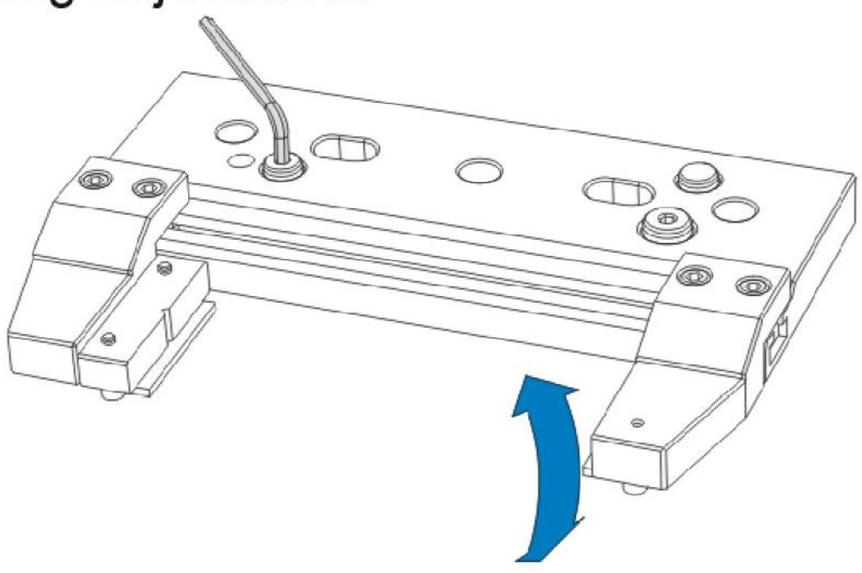
## Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45°aw design, workpiece anti-floating when clamp.
- Adopting ball bearings and make 3-axis adjustment much more efficient.
- High water pressure resistance when clamping.
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

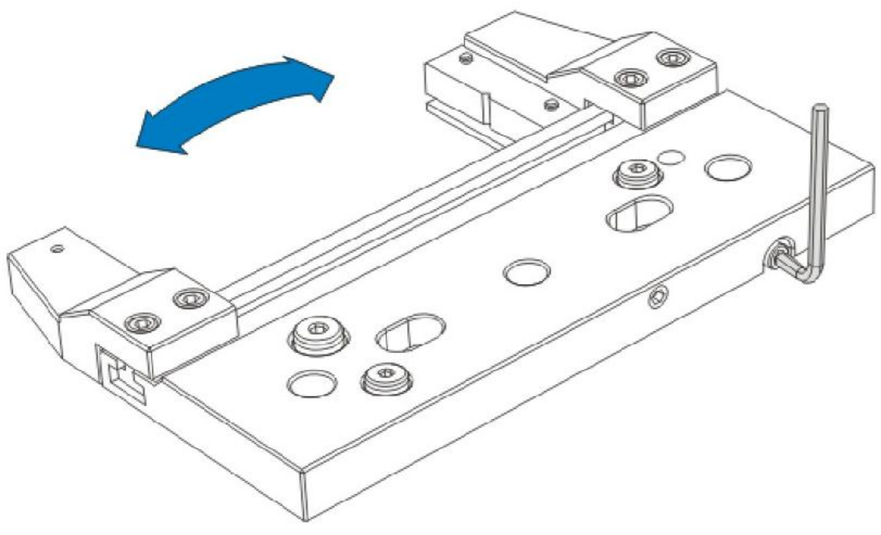
Leveling adjustment



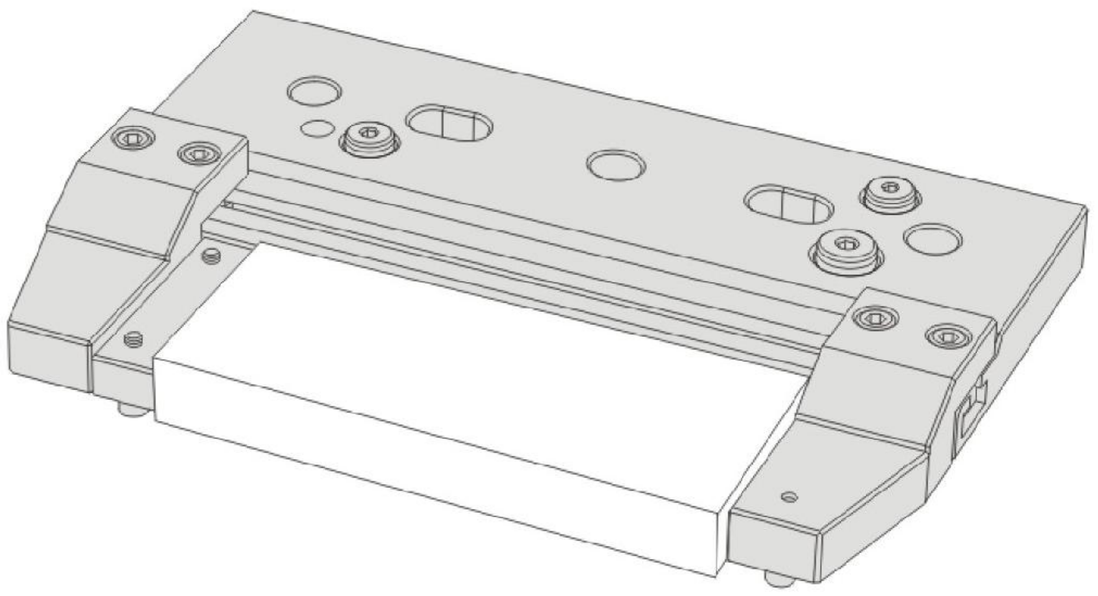
Leveling adjustment

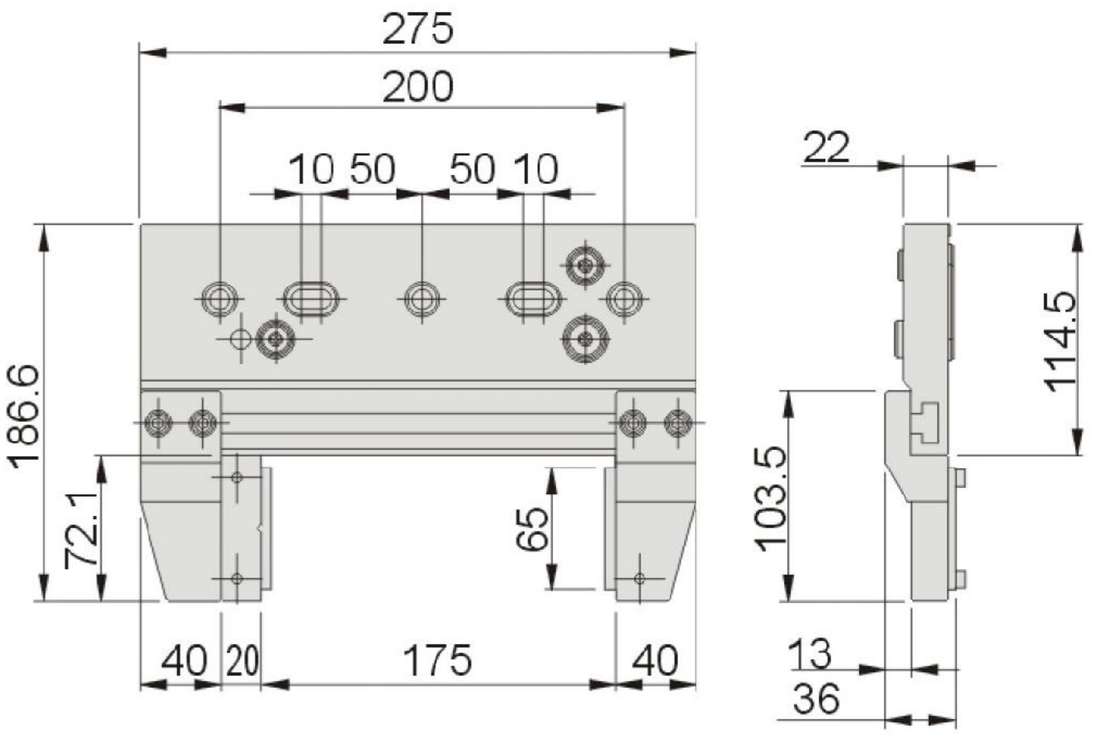


Parallel adjustment



### Application example

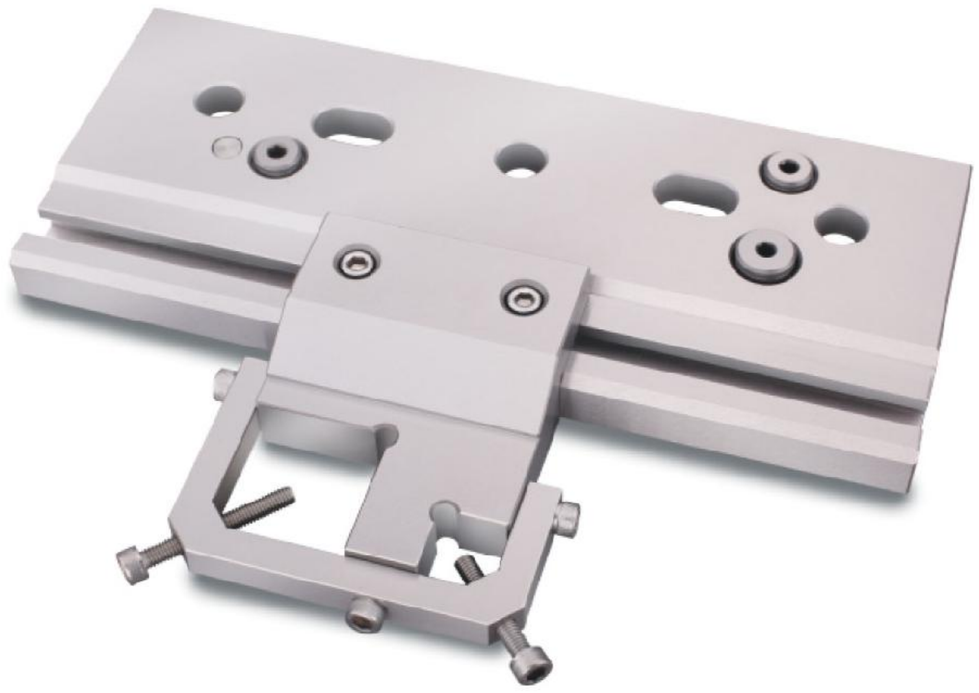





Unit:mm

| Spec | Clamping range | | | N.W. |
|---|---|---|---|---|
| | Max. | Thickness | Depth | |
| 36x186.6x275 | 175 | 22 | 72.1 | 6kg |

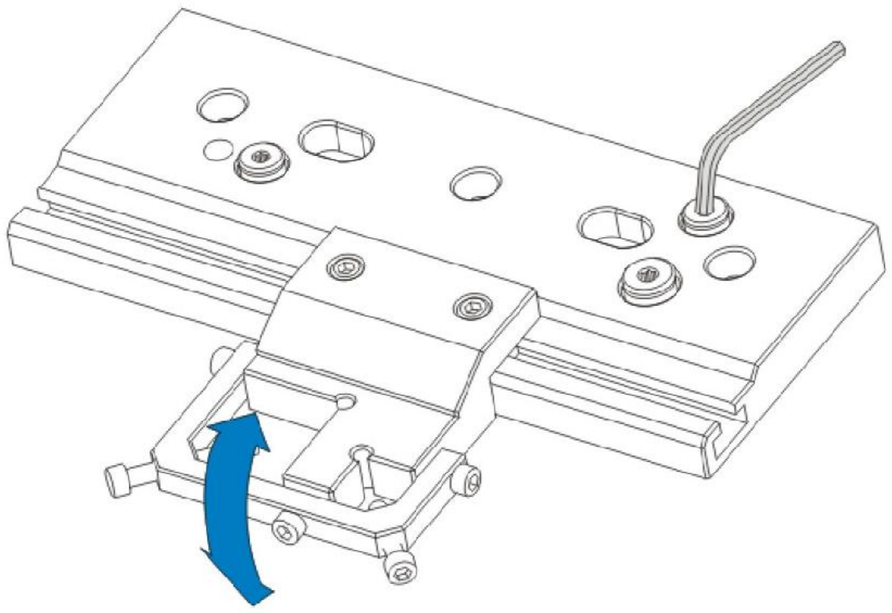
# 53185 WDV280 Stainless Precision Vise For EDM



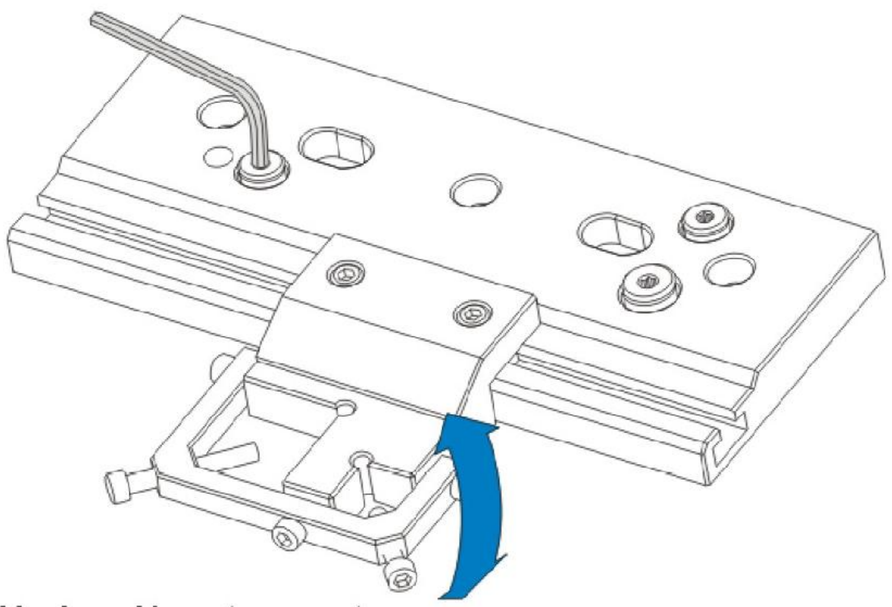
## Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- With 45°Jaw design, workpiece anti-floating when clamp.
- Adopting ball bearings and make 3-axis adjustment much more efficient.
  High water pressure resistance when clamping.
- Clamping range for round workpiece:∅3 ~∅38 mm
- In small V groove:∅3 ~∅20 mm
- In large V groove: ∅10 ~∅38 mm
- Hardness: HRC45°~ 55°
- Parallelism:within 0.003/100mm
- Squareness:within 0.005/100mm

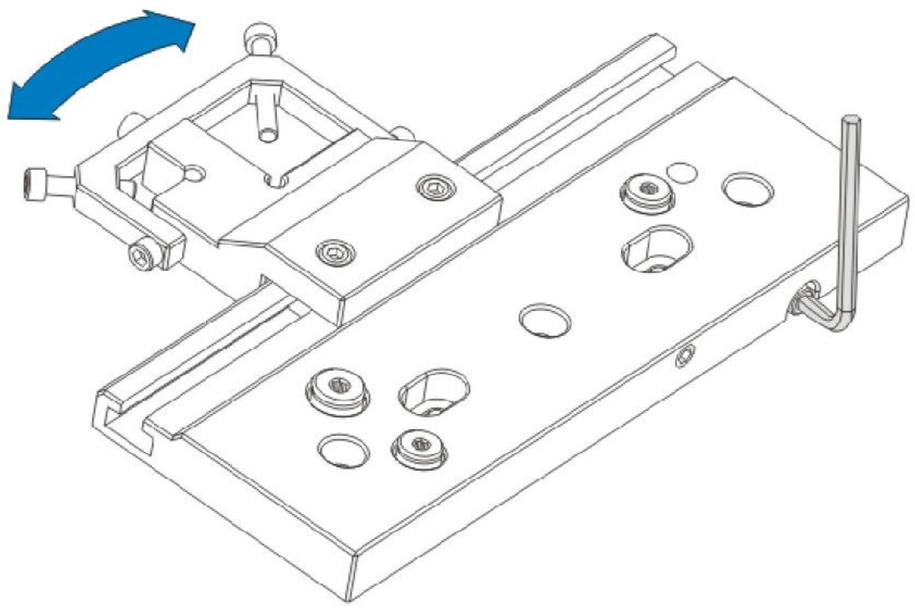
Leveling adjustment

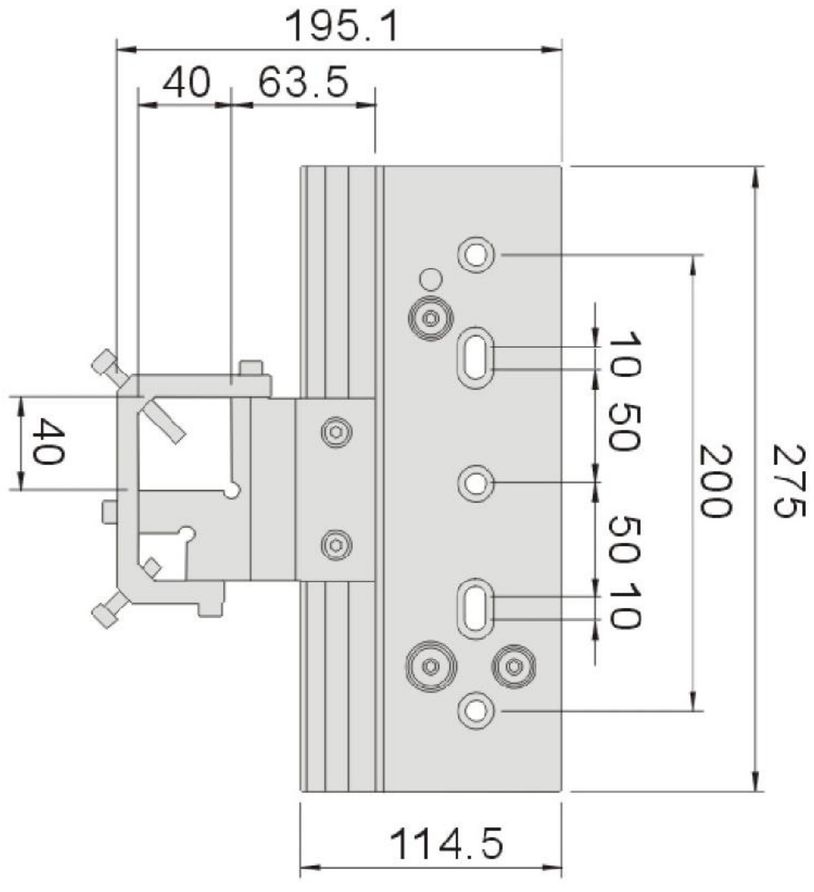


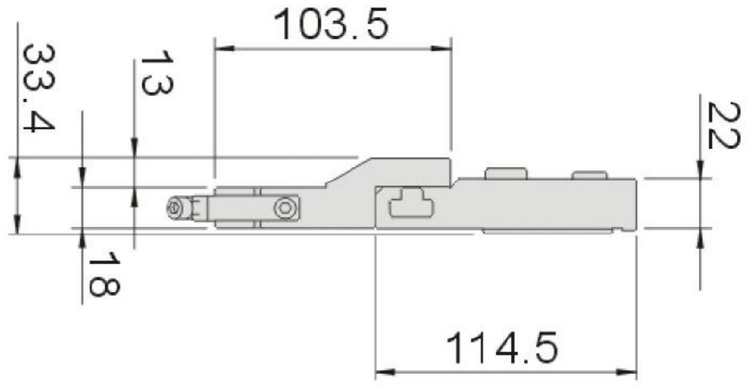
Leveling adjustment



Parallel adjustment






Unit:mm

| Spec | Clamping range | | N.W. |
|---|---|---|---|
| | Small V groove | Large V groove | |
| 33.4x195.1x275 | ∅3~∅20 | ∅10~∅38 | 5.7kg |

# Wire EDM Dividing Device Clamp

## 53200 WPF Wire EDM Dividing Device

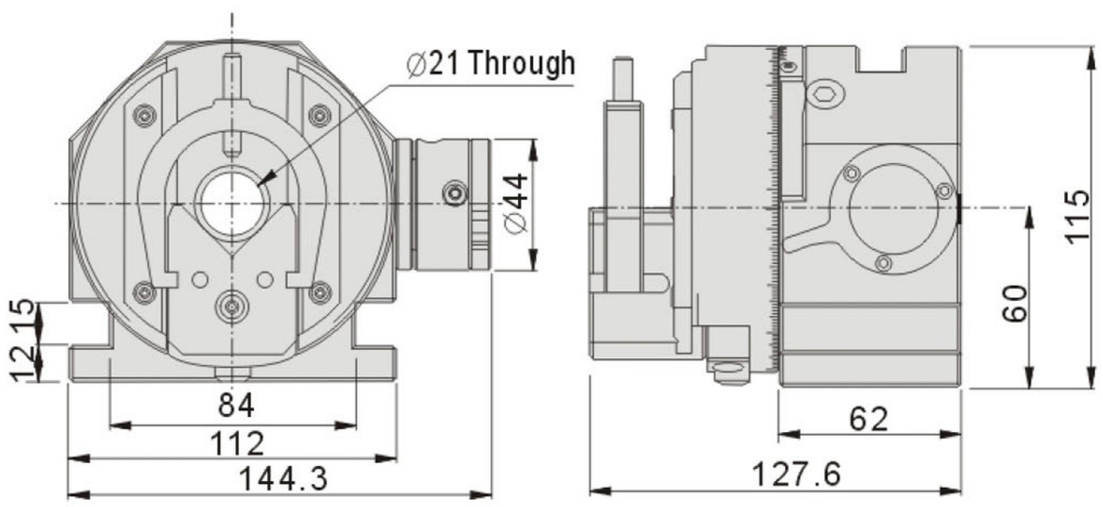


N.W. 9.6kg

IP68

### Features :

- Adopting high quality stainless steel (ASSAB STAVAX) with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- High precision assembly and special seal up, waterproof and able to immerse into water.
- With dividing function, it is suitable for using in WEDM and Surface Grinding Machines.

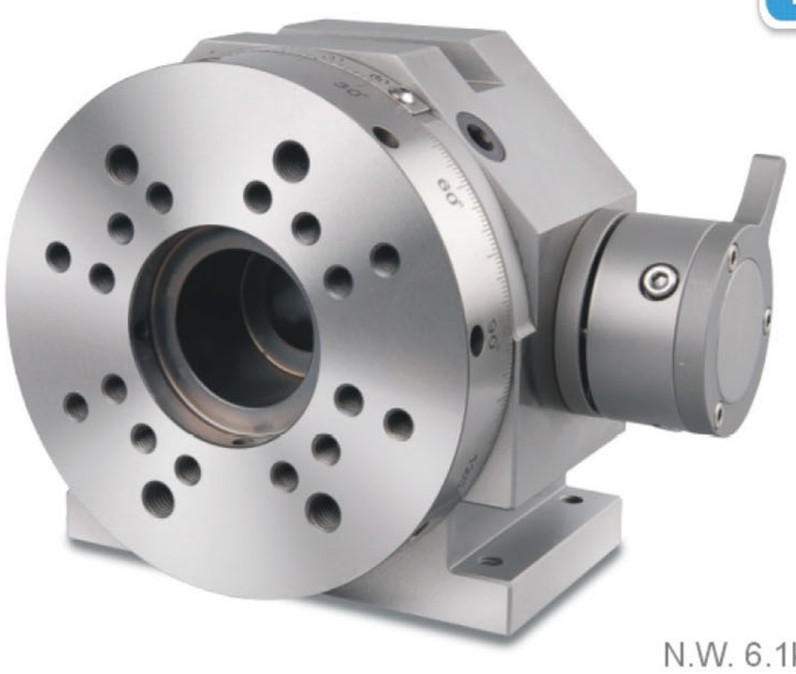



WIRE EDM DIVIDING DEVICE CLAMP

Main parameters:

| | |
|---|---|
| Center height | 60 ± 0.5mm |
| Indexer tooth q'ty & accuracy | 24、15° ± 5" |
| Through hole diameters | ∅21mm |
| Rotational accuracy | 0.003mm |

## 53210 EPF Wire EDM Dividing Device - Body only



N.W. 6.1kg

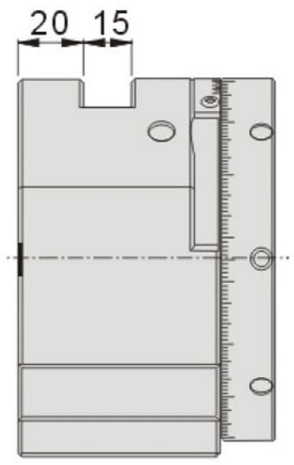
IP68

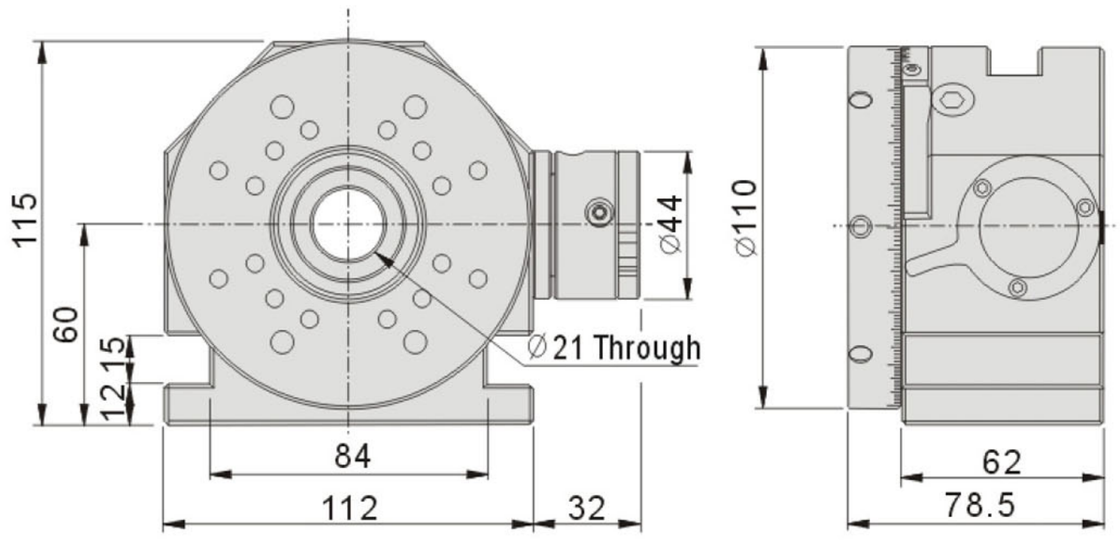
### Features :

- EPF is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- With interchangeable design, components can be chosen according to users' demand such as SC40, SC04, SC05 3-Jaw Chuck, ER20, ER32, ER50 collets. Also, 3R24, 3R28, EQC50, EQC100 position chuck can be applied to achieved modulisation.
- Depending on any demands in processing, optional accessories in 50035 (page A12) are available to achieve cost effective.

### Features :

- Modulisation
- High rigidity, accuracy and stability
- Strong clamping force
- Various clamping size
- Flexible, fast and convenient
- Unique design with special surface treatment
- longer lifecycle




☆See next page for more modulisation info

# 53210 EPF Wire EDM Dividing Device - Body only

## Interchangeable components



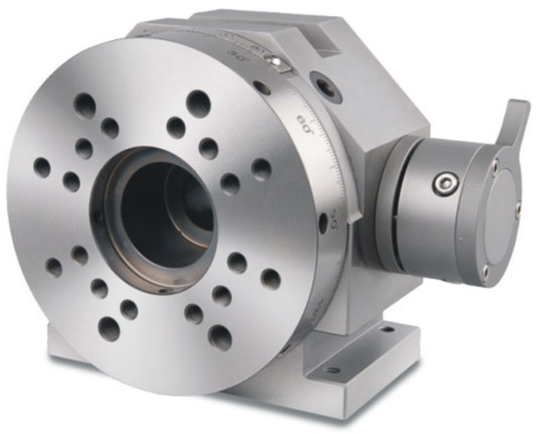
50035-00
SC40 P A04



50035-03/04/05
SER/20/32/50 P A04



50035-07
3R24 P A04





50035-09
EQC50 P A04



50035-08
3R28 P A04

53210
EPF P B37



50035-10
EQC100 P A04



53210-07
EPF-3R24 P B41



53210-09
EPF-EQC50 P B42



53210-08
EPF-3R28 P B41



53210-10
EPF-EQC100 P B42



53210-00
EPF-SC40 P B39



53210-03/04/05
EPF-SER20/32/50 P B40

# Wire EDM Dividing Device

## 53210-00 EPF-SC40 Saper Precision 3-Jaws Wire EDM Dividing Device



N.W. 7.6kg

Note: Apply Torque Wrench at all time, due to SC40 3-Jaw Chuck has high precision structure design, avoiding any possible damage.

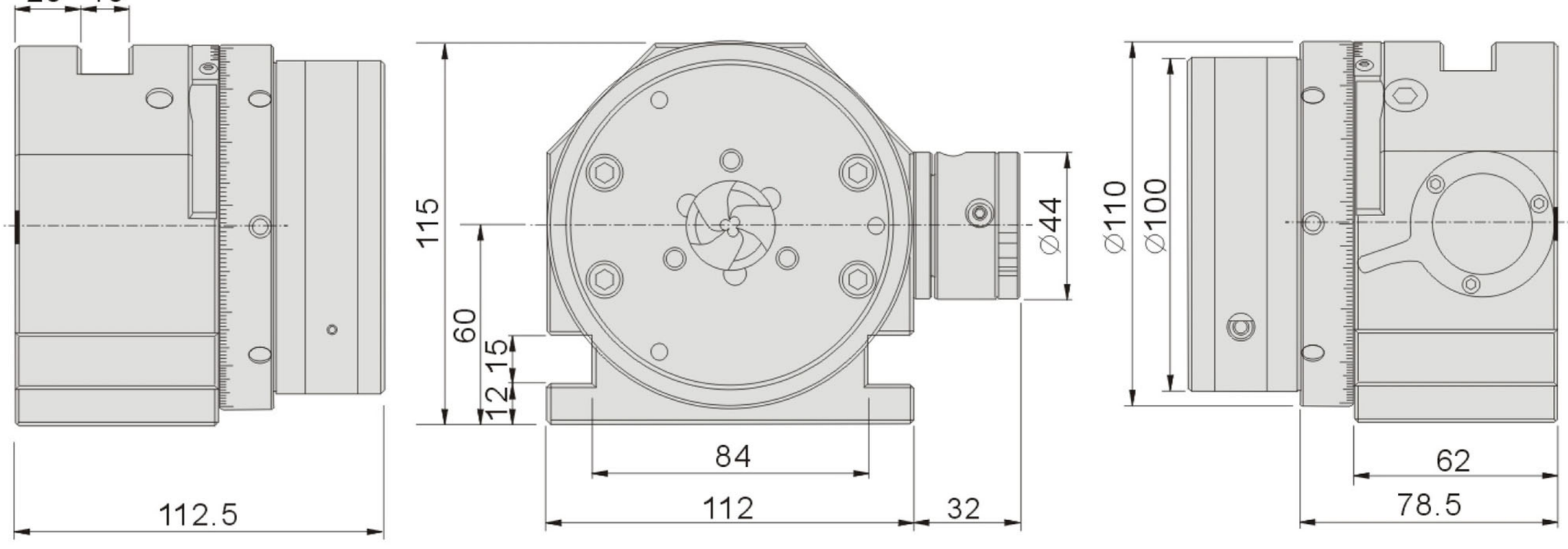
IP68

## Features :

- EPF-SC40 is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- Special designed SC40 3-Jaw Chuck provide rapid clamping and it suitable for mass production, workpiece with round shaped can precisely & rapidly clamped.
- Torgue wrench is included for user-friendly purpose.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.

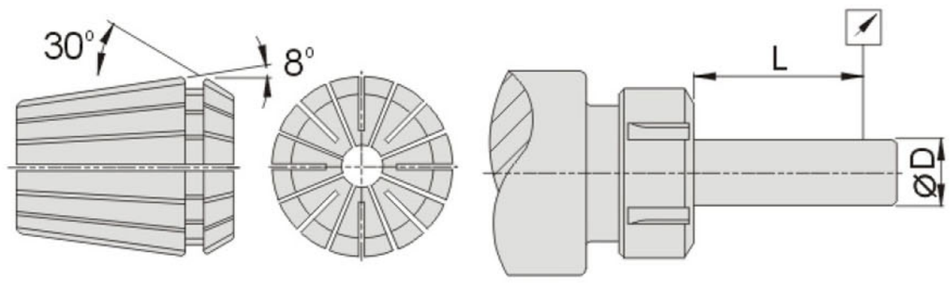
### Main parameters:

| | |
|---|---|
| Center height | 60 ± 0.5mm |
| Indexer tooth q'ty & accuracy | 24、15° ± 5" |
| Through hole diameters | ⌀21mm |
| Min. clamping range | ⌀1mm |
| Max. clamping range | ⌀25mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | within 0.003mm |





Note: ER & ER Nut are not made of stainless steel.




| L | D | Accuracy |
|---|---|---|
| 6 | 1.0-1.6 | 0.01 |
| 10 | 1.6-3.0 | 0.01 |
| 16 | 3.0-7.0 | 0.01 |
| 25 | 7.0-10.0 | 0.01 |
| 40 | 10.0-18.0 | 0.01 |
| 50 | 18.0-24.0 | 0.01 |
| 60 | 24.0-34.0 | 0.01 |

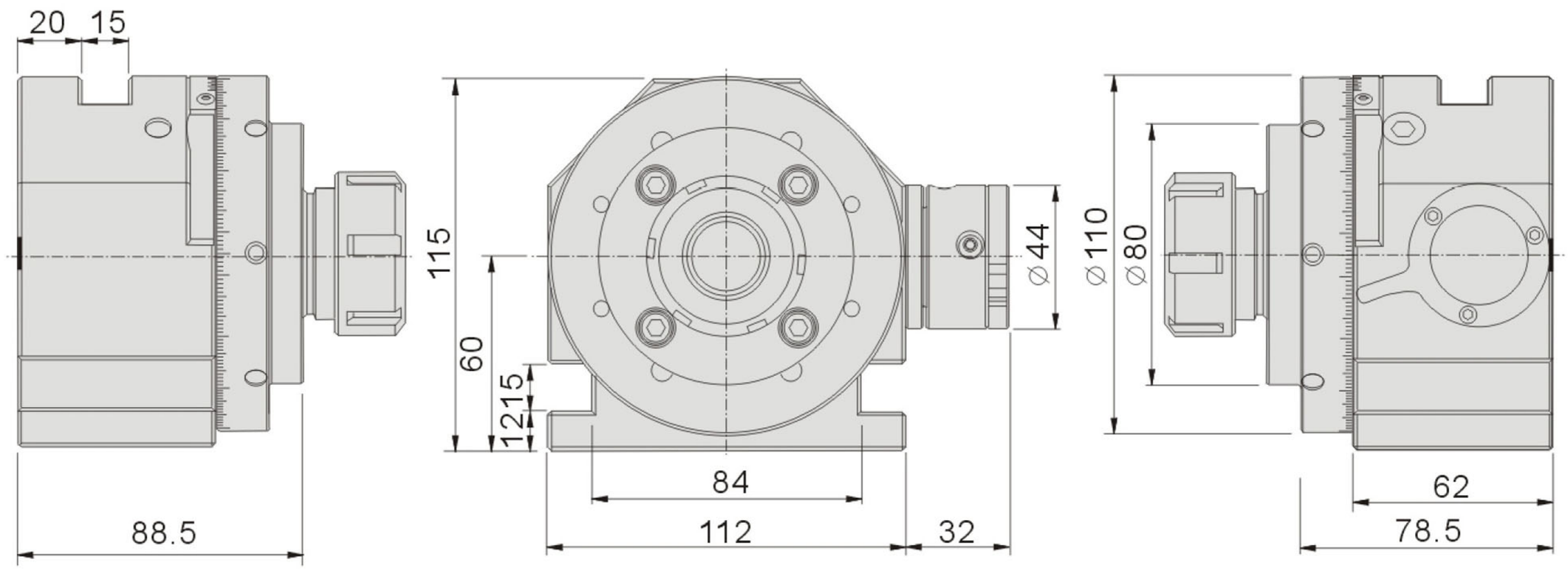
IP68

## Features :

- EPF-SER is adopting high quality stainless steel with waterproof and
- stronger structure leading lasting durability.
- With ER collets, the flexible range of collet is 1mm.
- Capable collet clamping range: Min. ∅2mm, Max. ∅34mm
- It can rapidly clamp the workpiece and achieving higher stability during processing, no need to adjust the center accuracy.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is compatible with various ER collets such as ER20, ER32, ER50 etc...

## Main parameters:

Center height ····· 60 ± 0.5mm
Indexer tooth q'ty & accuracy ····· 24、15° ± 5"
Through hole diameters ····· ∅21mm
Rotational accuracy ····· 0.003mm




| Order No. | Model | ER Collet spec. | N.W. |
|---|---|---|---|
| **53210-03** | EPF-SER20 | 3, 4, 6, 8, 10 | |
| **53210-04** | EPF-SER32 | 4, 8, 12, 16, 20 | |
| **53210-05** | EPF-SER50 | 12, 18, 20, 30, 34 | |

# Wire EDM Dividing Device

## 53210-07/08 EPF-3R Wire EDM 3R Dividing Device



EPF-3R24



EPF-3R28

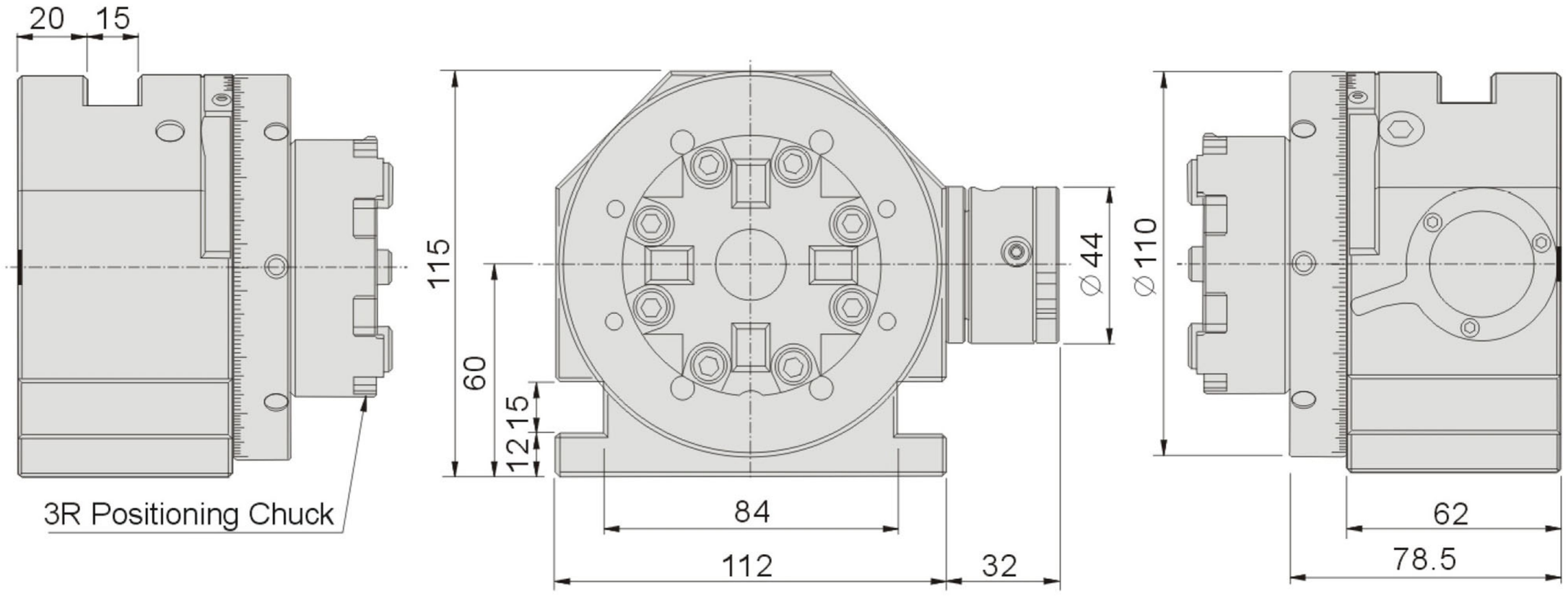
IP68

## Features :

- EPF-3R is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- With interchangeable design, components can be chosen according to users' demand.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is applying Positioning Chuck of System 3R, it also works with EROWA Positioning Chuck to achieve modulisation.

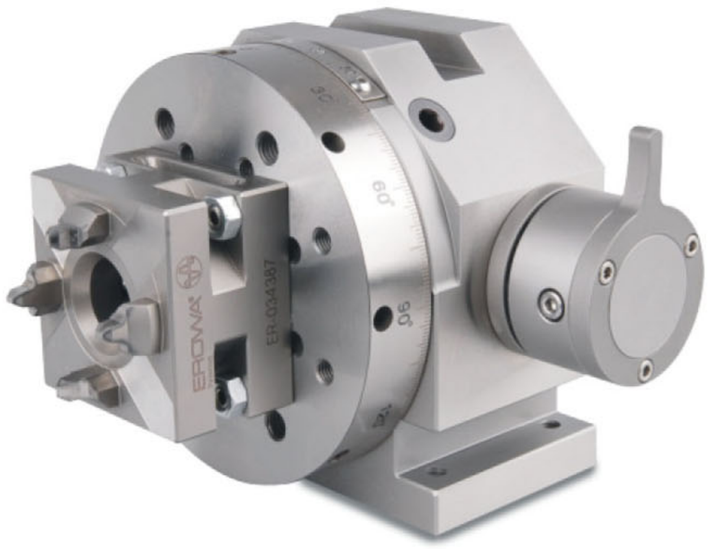
### Main parameters:

Center height ····· 60 ± 0.5mm
Indexer tooth q'ty & accuracy ····· 24、15° ± 5"
Through hole diameters ····· ⌀21mm
Rotational accuracy ····· 0.003mm
Repeat accuracy ····· 0.003mm




| Order No. | Model | Positioning Chuck spec | N.W. |
|---|---|---|---|
| **53210-07** | EPF-3R24 | 3R24 | |
| **53210-08** | EPF-3R28 | 3R28 | |

# 53210-09/10 EPF-EQC Wire EDM EQC Dividing Device



EPF-EQC50



EPF-EQC100

IP68

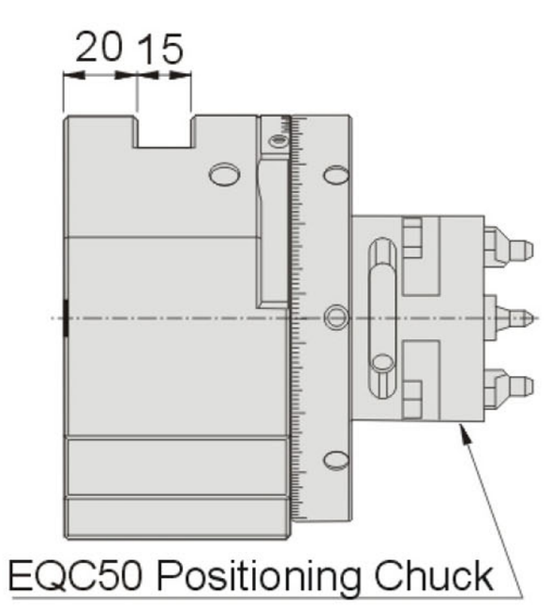
## Features :

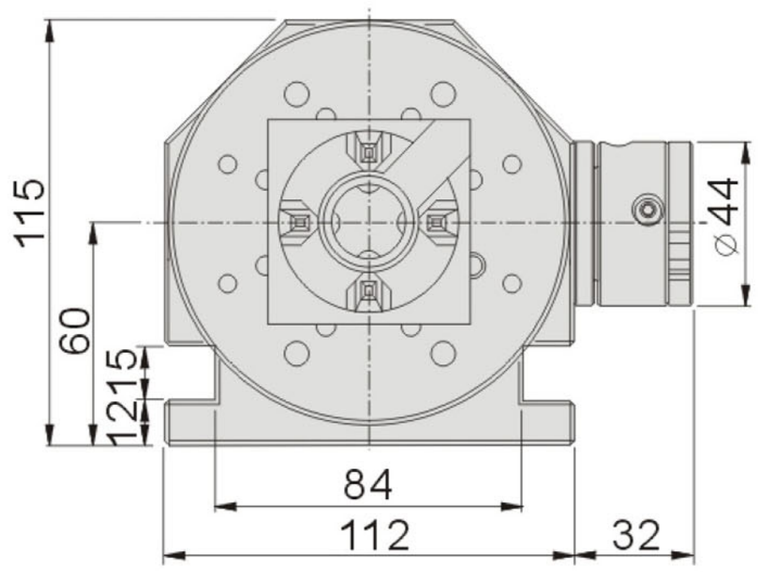
- EPF-EQC is adopting quality stainless steel with waterproof and stronger structure leading lasting durability.
- With interchangeable design, components can be chosen according to users' demand.
- Adopting high precision double bearings in its structure to achieve higher accuracy, rigidity and stability.
- This model is applying EROWA Positioning Chuck, It also works with System 3R Positioning Chuck to achieve modulisation.

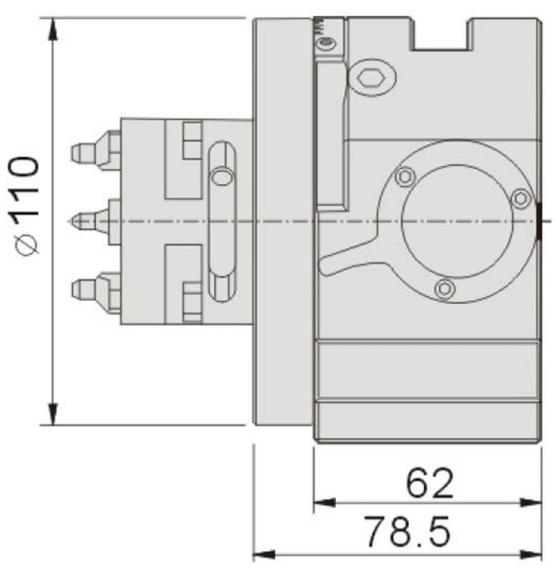
## Main parameters:

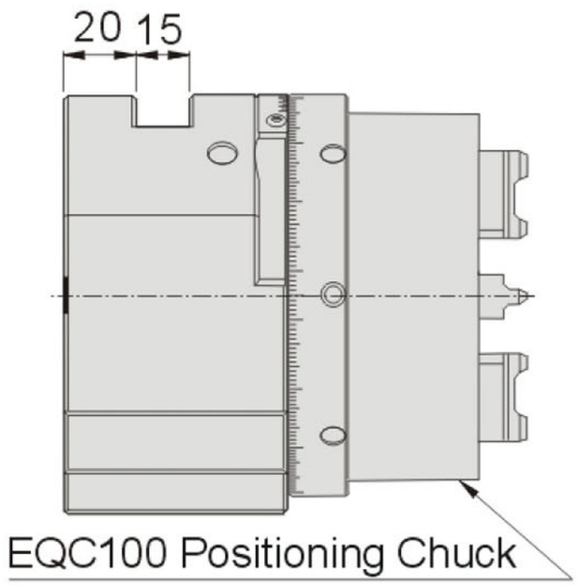
| | |
|---|---|
| Center height | 85 ± 0.5mm |
| Indexer tooth q'ty & accuracy | 24、15° ± 5" |
| Through hole diameters | ⌀21mm |
| Rotational accuracy | 0.003mm |
| Repeat accuracy | 0.003mm |

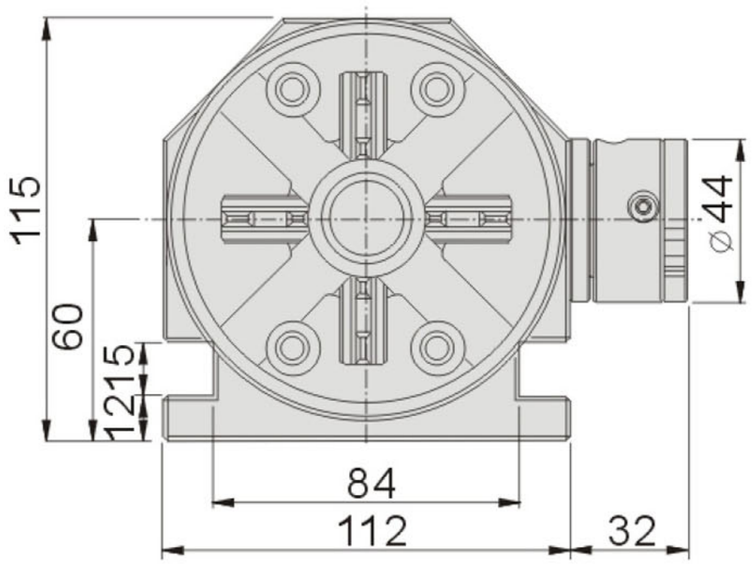


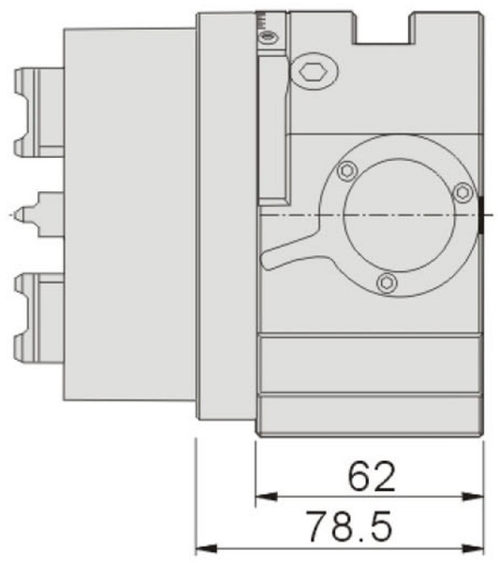



| Order No. | Model | Positioning Chuck spec | N.W. |
|---|---|---|---|
| **53210-09** | EPF-EQC50 | EQC50 | |
| **53210-10** | EPF-EQC100 | EQC100 | |

# Electrode Vise

Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.005mm/100mm

Unit:mm



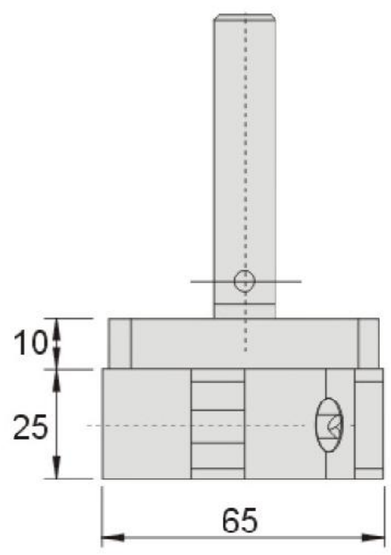
## 53300 VH20

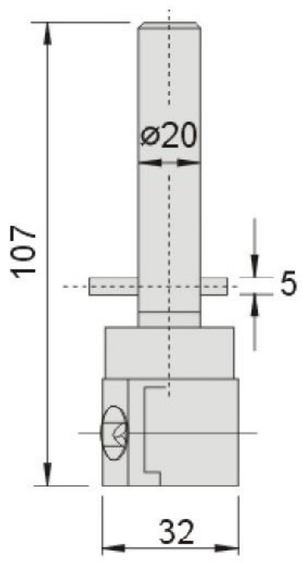


N.W. 0.5kg

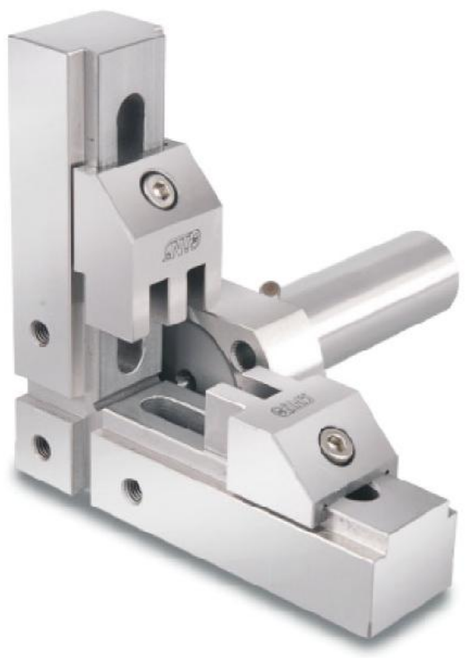
### Features :

- A delicate vise and suitable for clamping precision workpiece used in EDM Machine.



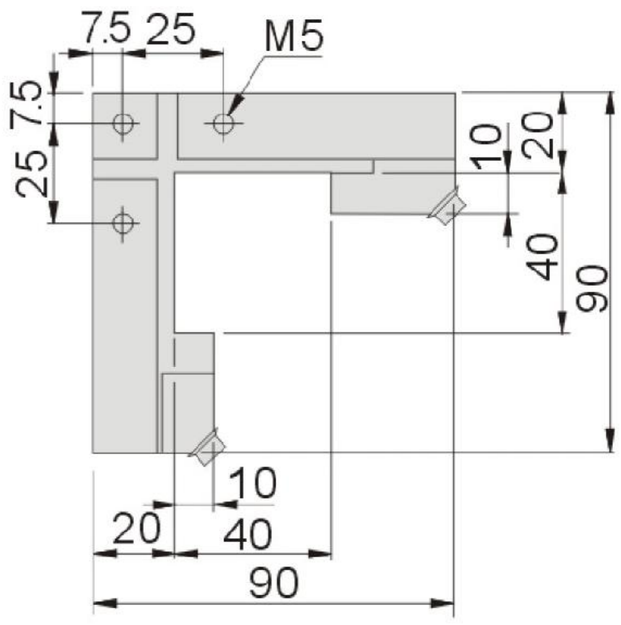

## 53310 VW20

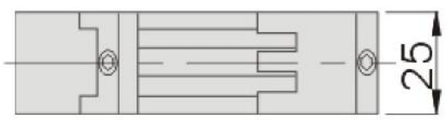


N.W. 0.8kg

### Features :

- Two way clamping and suitable for small and precision work in EDM Machine.



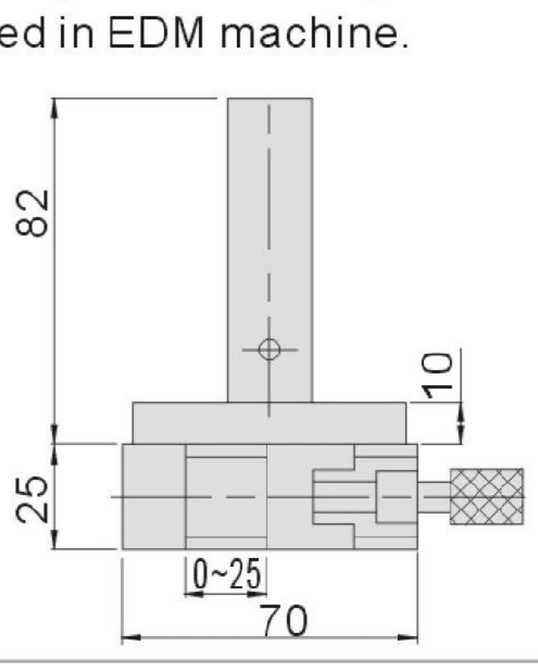

## 53320 EVH20

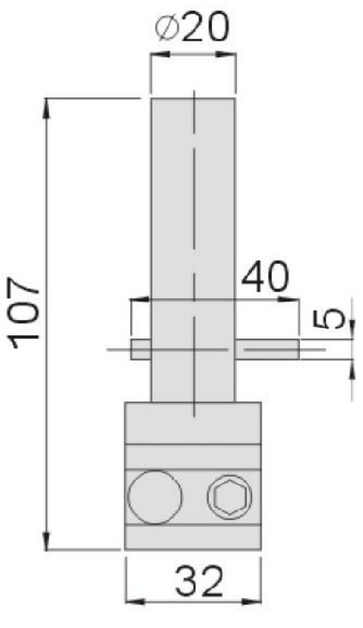


N.W. 0.7kg

### Features :

- Compact version precision vise, suitable for small precision workpiece.
- Used in EDM machine.



Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.005mm/100mm

Unit:mm

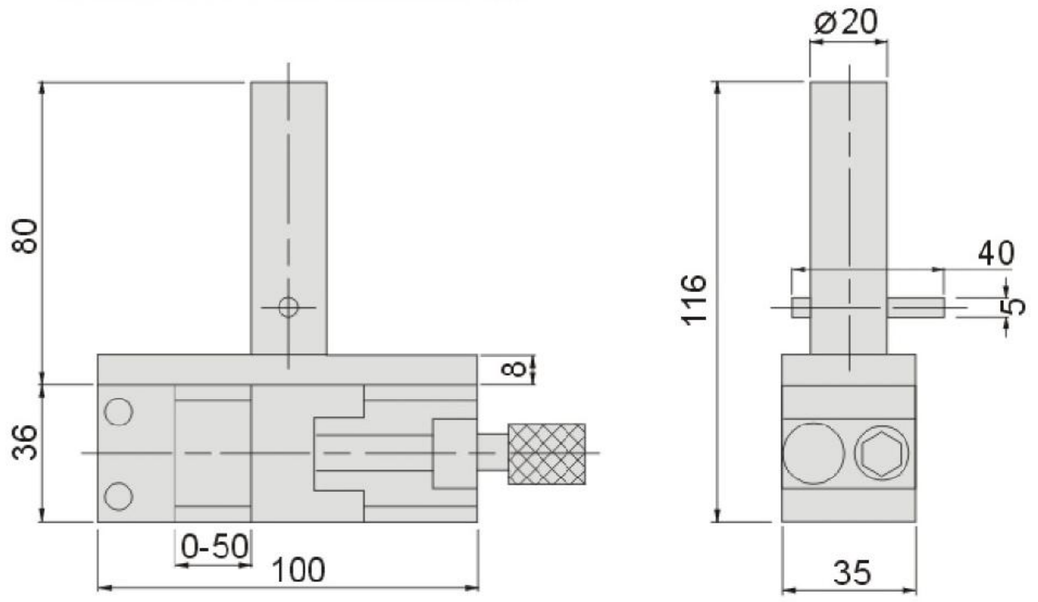
## 53330 EVH50



N.W. 1.1kg

### Features :

- Compact version precision vise, suitable for small precision workpiece.
- Used in EDM machine.



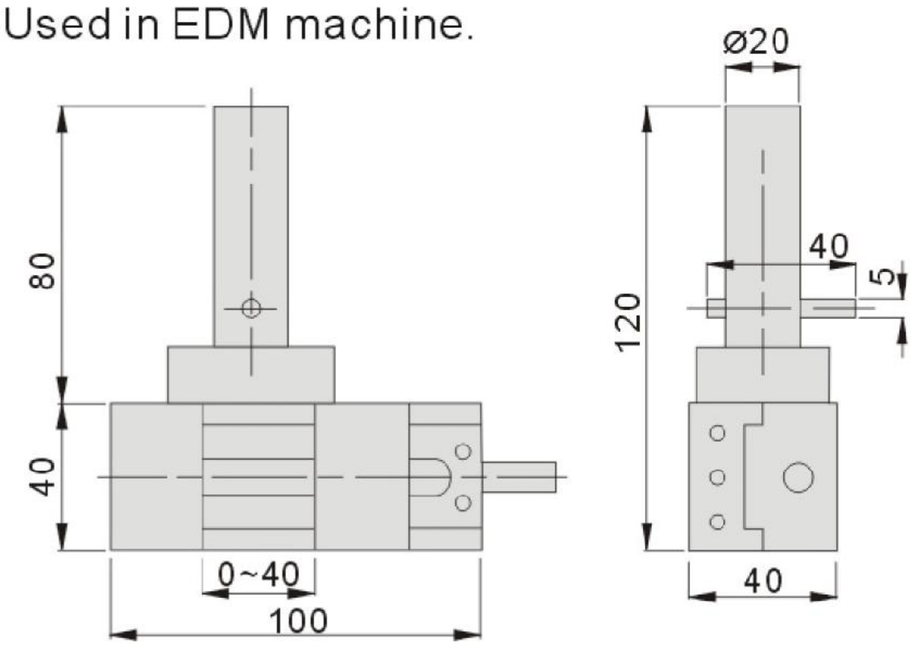

## 53340 EVR40



N.W. 1.2kg

### Features :

- Compact version precision vise, suitable for small precision workpiece.
- Used in EDM machine.



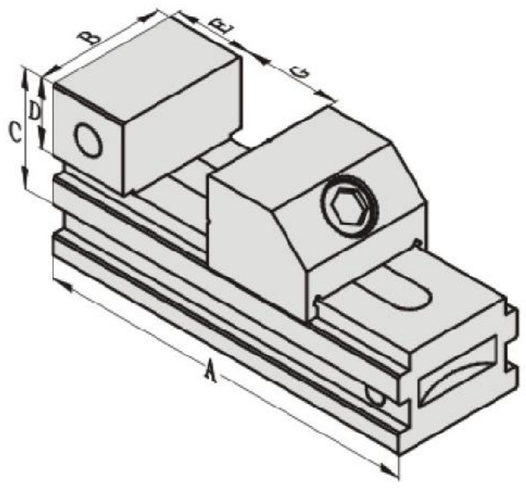
# Stainless Tool Maker Vise

## 53342 VLS Stainless Tool Maker Vise



### Features :

- Suitable for EDM, milling, and precision grinding work.




Material :SUS440

Hardness:HRC45°~55°

Parallelism:within 0.003mm/100mm

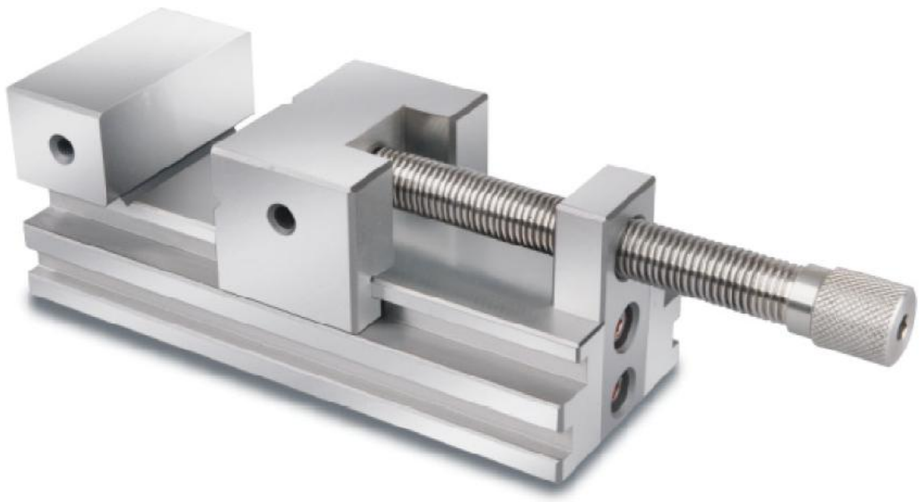
Squareness:within 0.005mm/100mm

ELECTRODE VISE

Unit:mm

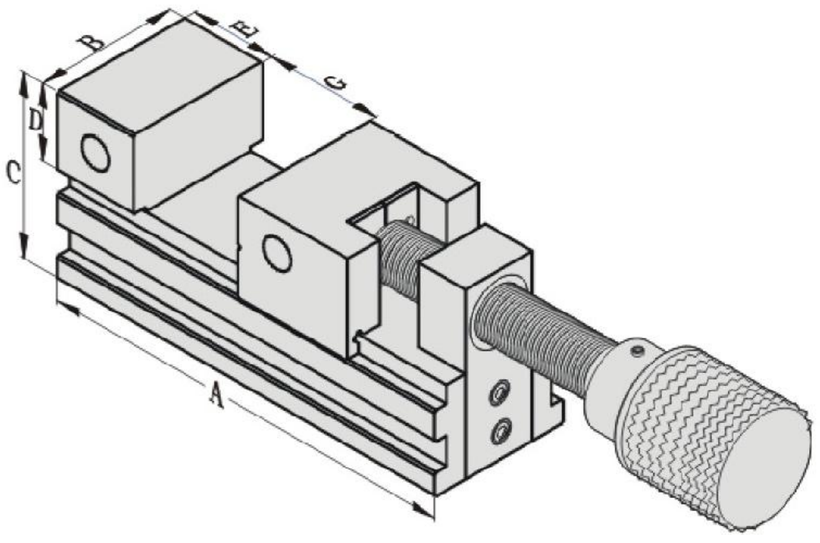
| Order No. | Model | A | B | C | D | E | G | N.W. |
|---|---|---|---|---|---|---|---|---|
| **53342-01** | VLS15 | 100 | 35 | 40 | 20 | 25 | 0~45 | 1.0kg |
| **53342-02** | VLS20 | 140 | 48 | 50 | 25 | 25 | 0~75 | 2.0kg |
| **53342-03** | VLS25 | 172 | 63 | 60 | 30 | 30 | 0~90 | 3.3kg |
| **53342-04** | VLS30 | 190 | 73 | 70 | 35 | 35 | 0~100 | 4.3kg |
| **53342-05** | VLS40 | 230 | 98 | 80 | 40 | 40 | 0~125 | 9.8kg |

## 53346 VHS Stainless Tool Maker Vise



### Features :

- Suitable for EDM, milling, and precision grinding work.




Material :SUS440

Hardness:HRC45°~55°

Parallelism:within 0.003mm/100mm

Squareness:within 0.005mm/100mm

Unit:mm

| Order No. | Model | A | B | C | D | E | G | N.W. |
|---|---|---|---|---|---|---|---|---|
| **53346-01** | VHS20 | 140 | 48 | 55 | 25 | 25 | 0~70 | 2.60kg |
| **53346-02** | VHS25 | 172 | 63 | 69 | 30 | 30 | 0~85 | 4.80kg |
| **53346-03** | VHS30 | 190 | 73 | 78 | 35 | 35 | 0~100 | 6.60kg |
| **53346-04** | VHS40 | 230 | 98 | 92 | 40 | 40 | 0~125 | 13.0kg |

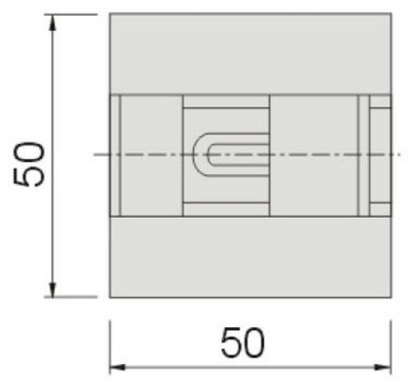
Material :SUS440
Hardness:HRC48°~55°

Parallelism:within 0.003mm/100mm
Squareness:within 0.005mm/100mm

Unit:mm

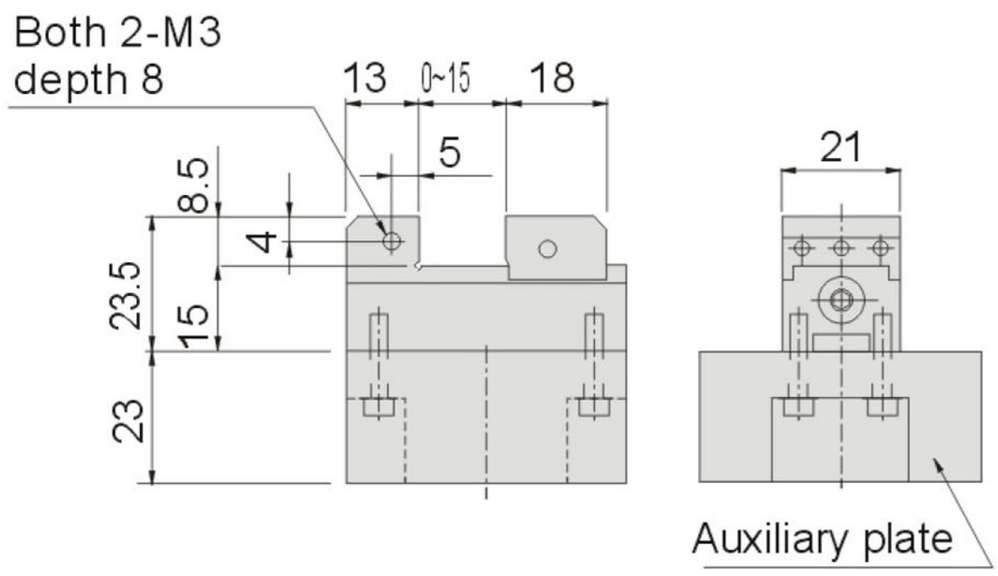
## 53350 EVJ10

- It can be used with positioning plate of EROWA and System 3R.



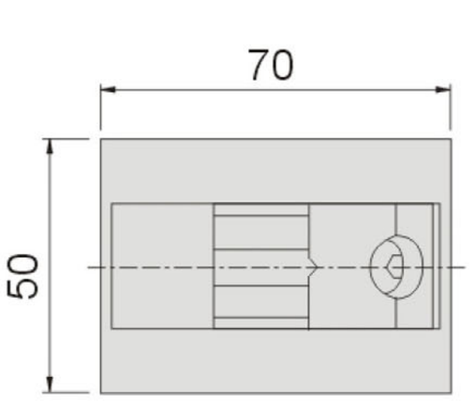



N.W. 0.5kg



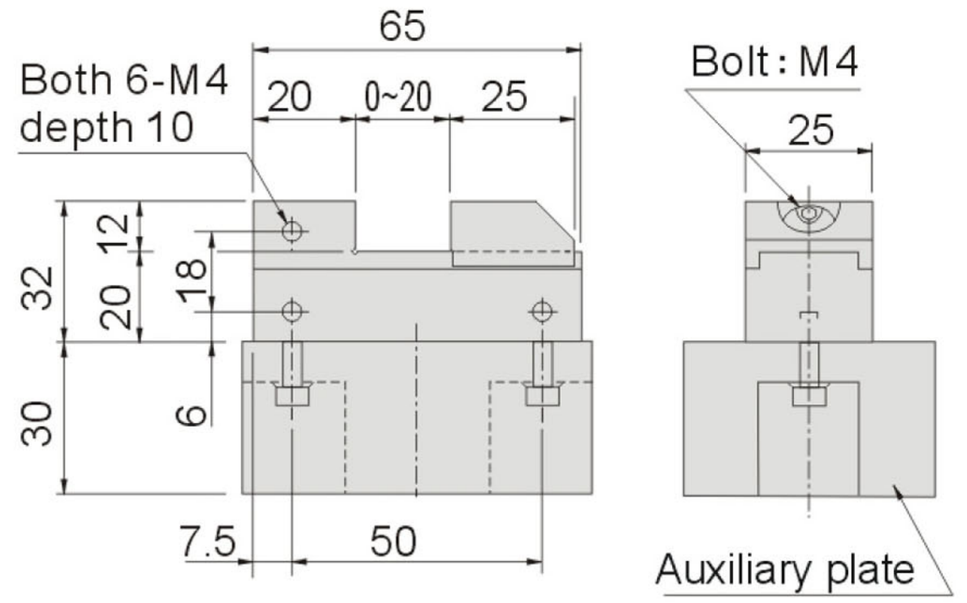

## 53360 EVL10

- It can be used with positioning plate of EROWA and System 3R.



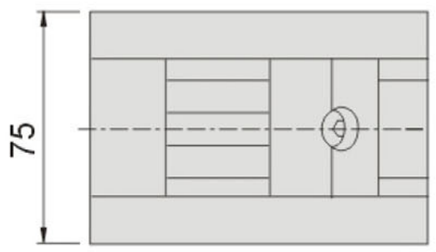


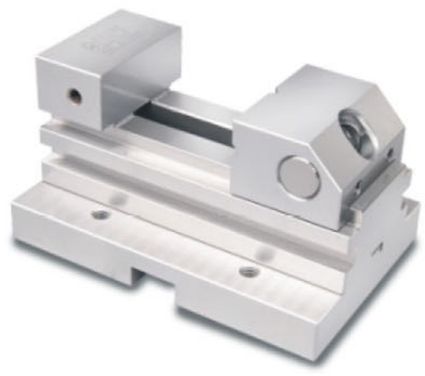

N.W. 1.0kg

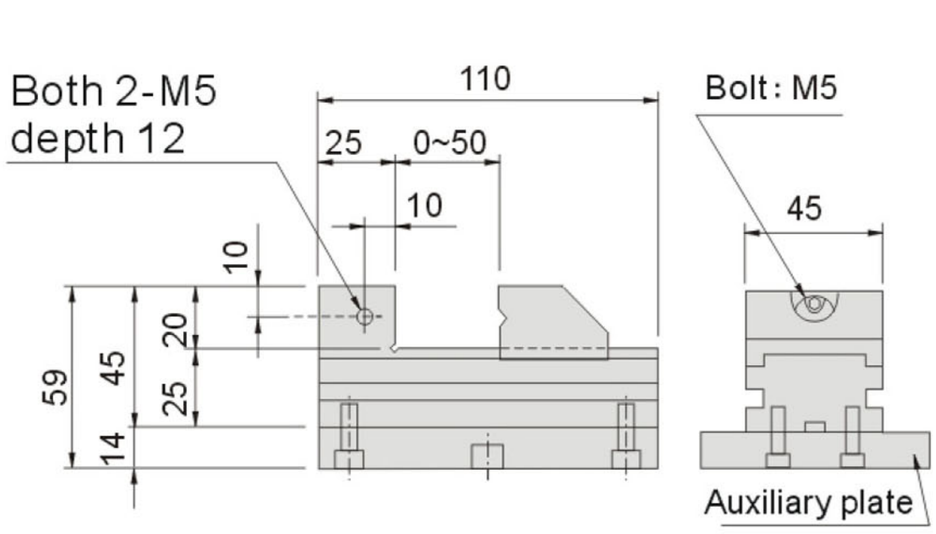



## 53370 ESV45

- It can be used with positioning plate of EROWA and System 3R.

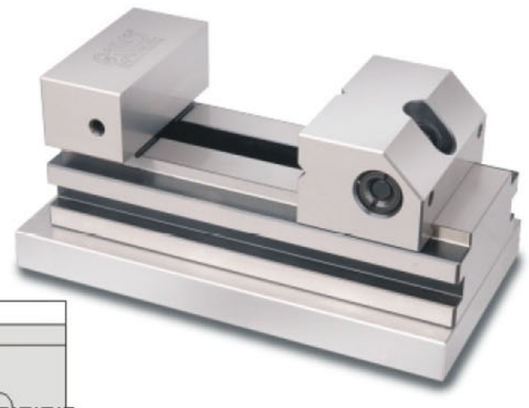


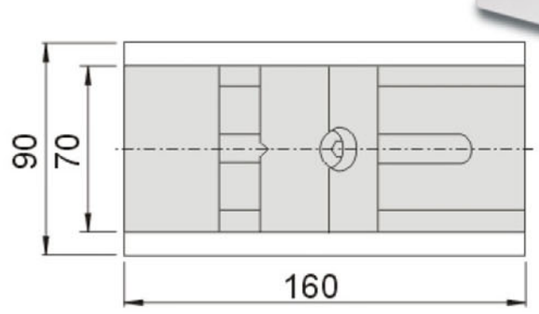



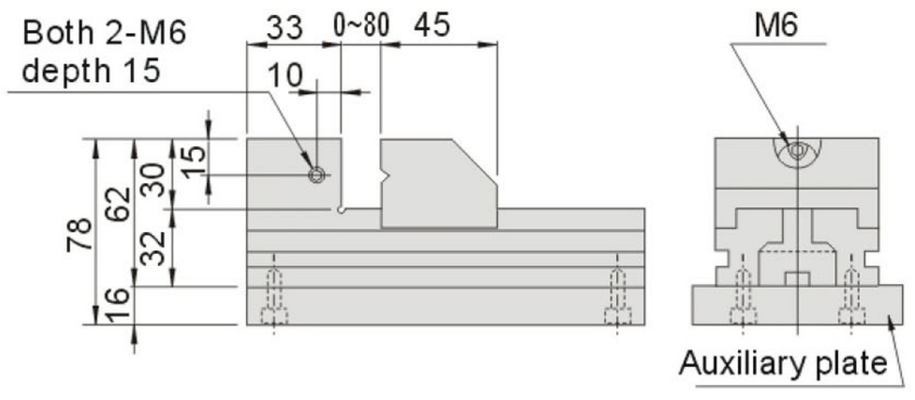



## 53380 ESV70

- It can be used with positioning plate of EROWA and System 3R.





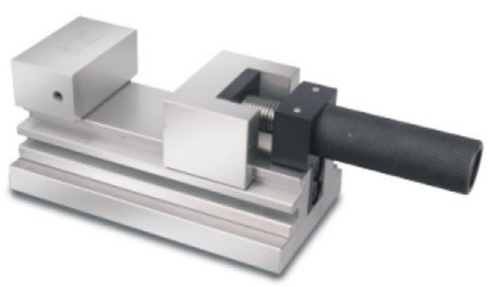
# Electrode Vise

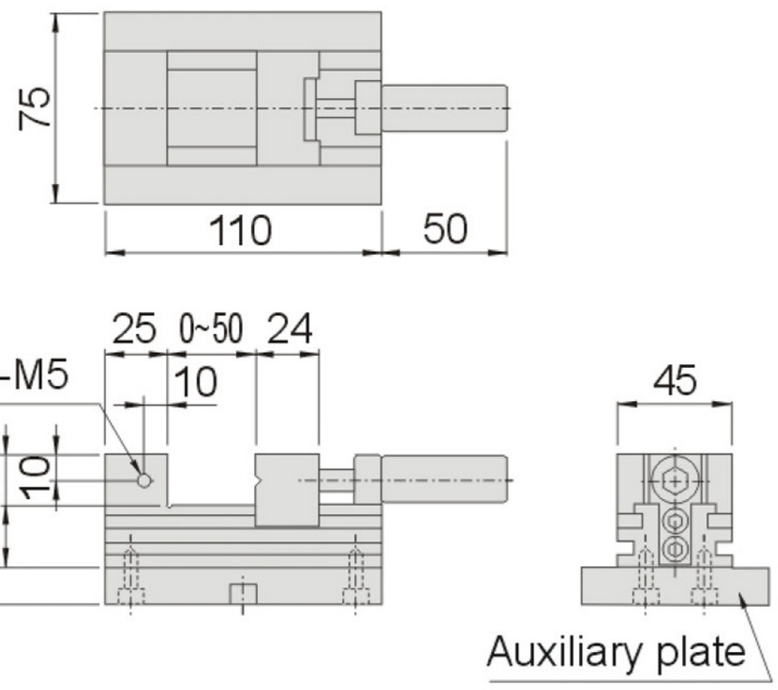
Material :SUS440
Hardness:HRC48°~55°
Parallelism:within 0.003mm/100mm
Squareness:within 0.005mm/100mm

Unit:mm

## 53390 EDSU50

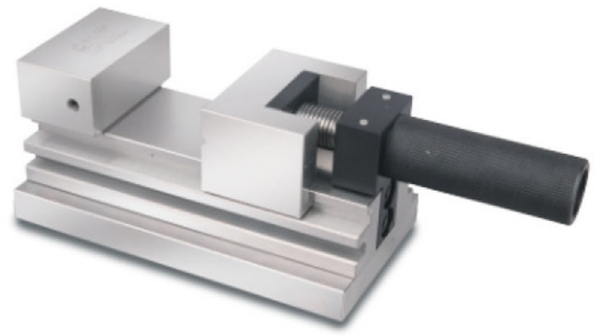
- It can be used with positioning plate of EROWA (ER-009214)and System 3R (3R-651.7E-P).

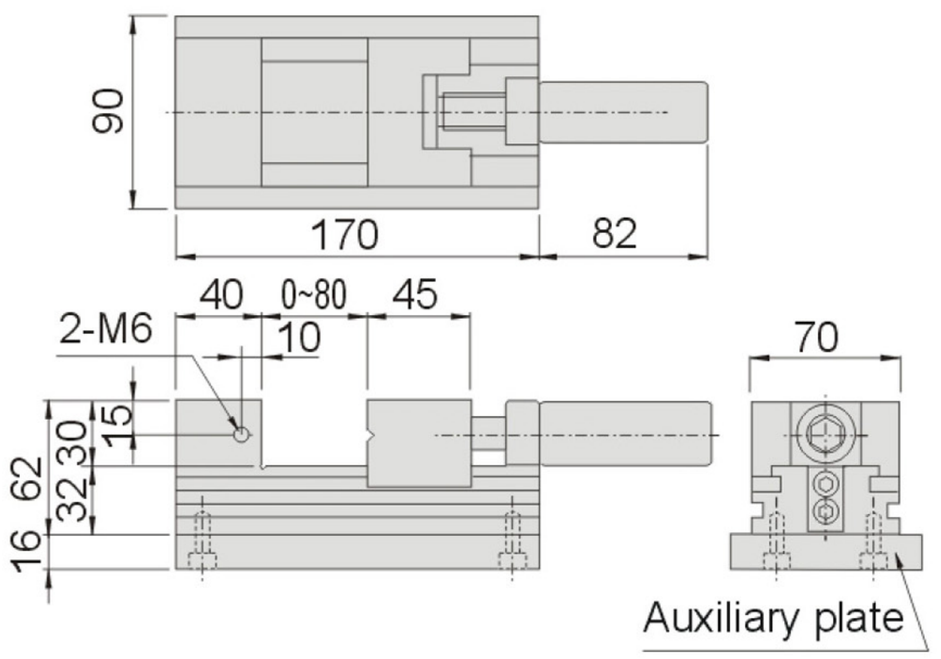





## 53400 EDSU80

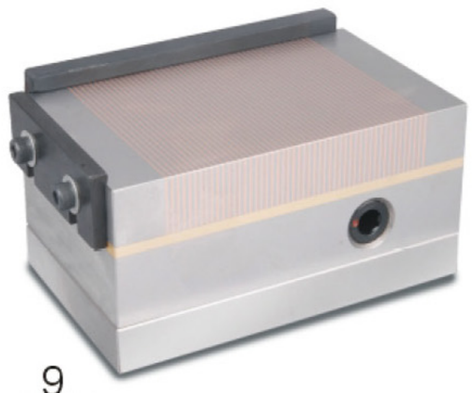
- It can be used with positioning plate of EROWA (ER-011599)and System 3R (3R-601.7E-P).

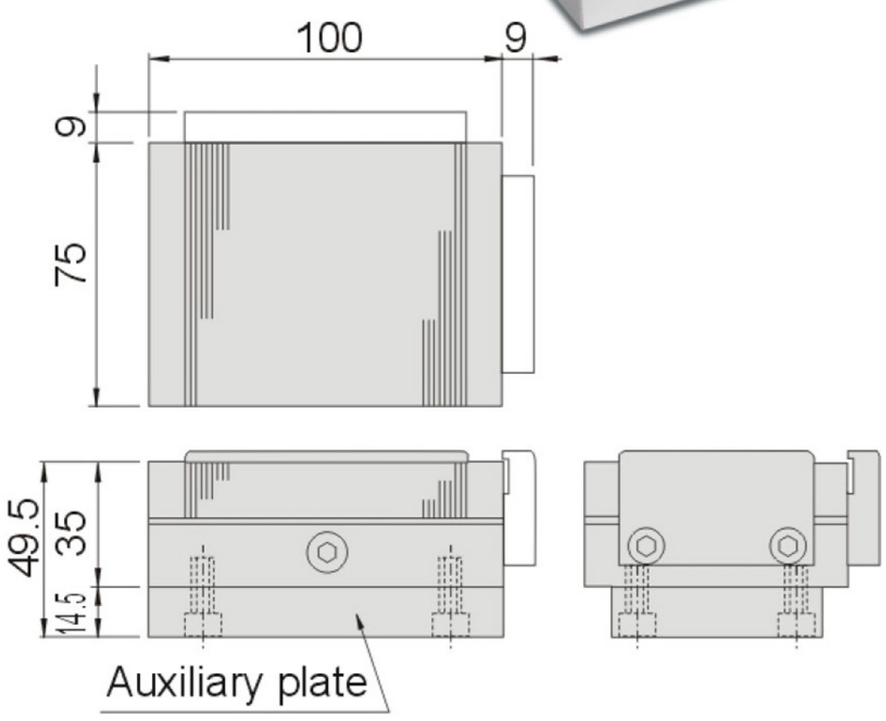





## 53410 EMC75

- It can be used with positioning plate of EROWA (ER-009214)and System 3R (3R-651.7E-P).

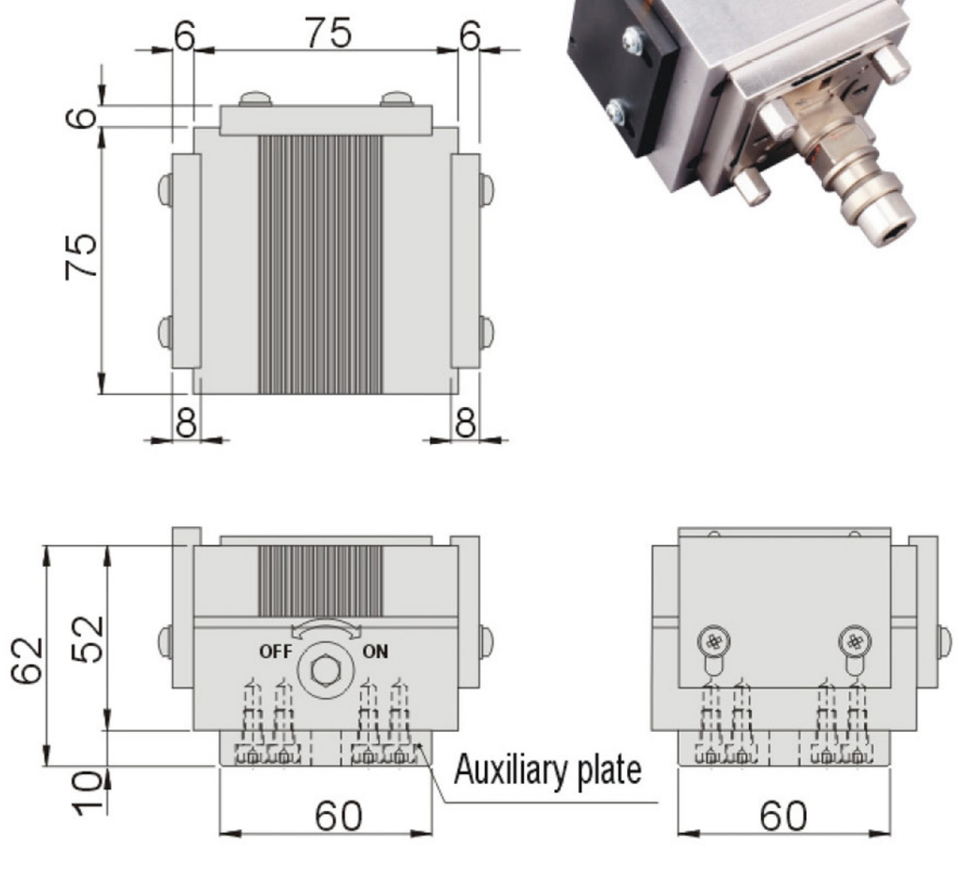





## 53420 EMC75S

- It can be used with positioning plate of EROWA (ER-009214)and System 3R (3R-651.7E-P).



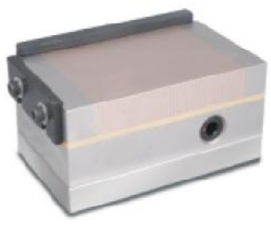


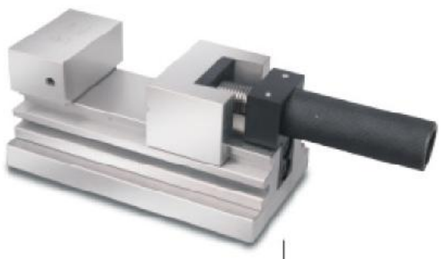

ELECTRODE VISE

Breakthrough thinking of high precision systems for efficiency working environment.

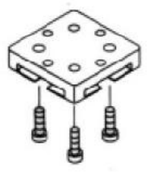
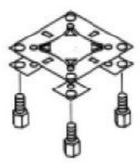
## Creating better processing environment by applying various modulisation.

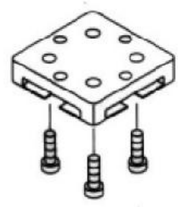
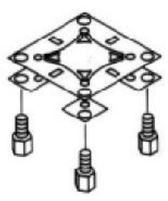


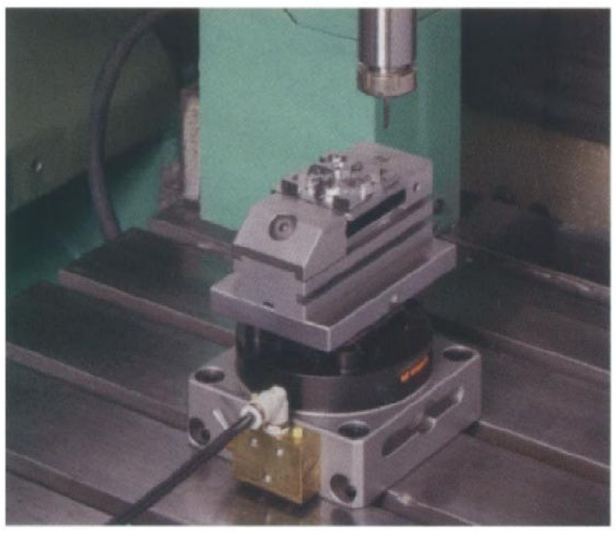


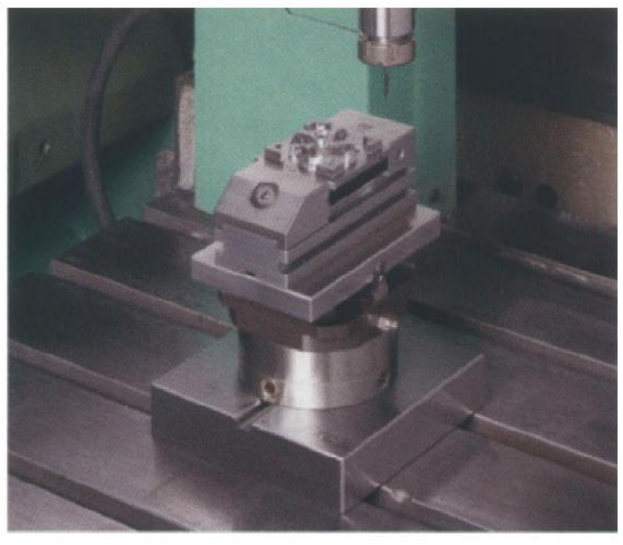




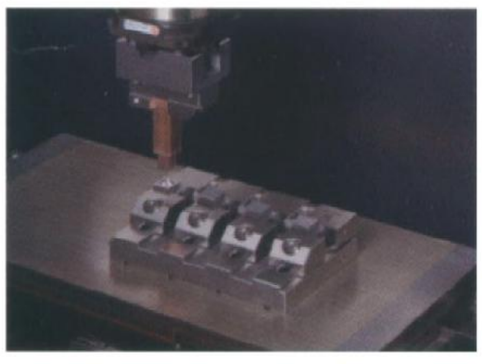
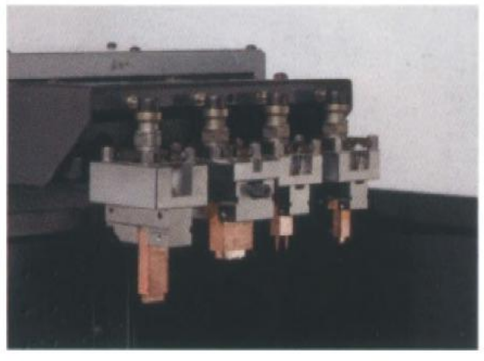
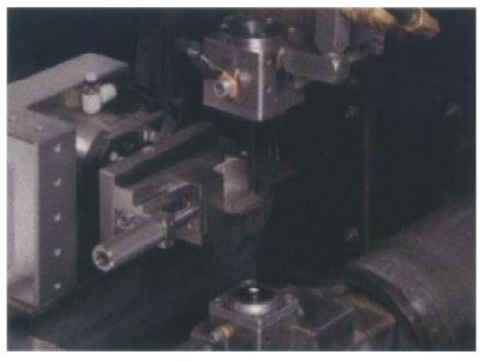


3R-651.7E-P ER-009214



3R-601.7E-P ER-011599


**EDM**

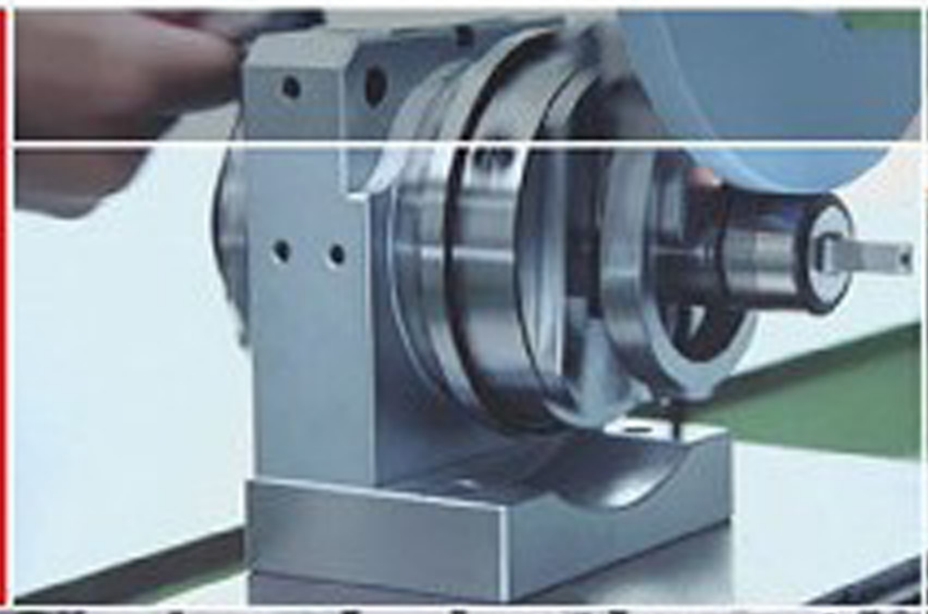

**EDM**

**Grinding**


## Features :

- Simple: It can be applied straight away after purchasing.
- Economic: More cost effective and easy to used in parallel.
- Compatibility: Same material applied with EROWA and System 3R.











Agent/ Distributor


**GIN CHAN MACHINERY CO., LTD.**

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TAIWAN EXCELLENCE

# Magnetic Tools

## Grinding Accessories




C01-C62




## Checking Equipments

1 CMM Coordinate Measuring
2 2-D Height Gauge
3 Hardness Tester
4 Right Angle Checking Gauge
5 Profile Projector
6 Inner-Diameter Measuring Gauge
7 Outside Micrometer
8 Caliper

# First choice of precision accessories with leading technology and fine quality.

30 yeas experiences with high self-production rate and excellent machines.

Since 1988, we are striving for the most cost effective products to our loyalty customer which we earned their trust and support with maximized both benefits. We seek and find the customers' demand and encourage our self in innovation of high efficiency and competitive accessories. Helping our esteemed customers to achieve high production efficiency and lower their cost.

Gin Chan mainly produce grinding and milling accessories as well as mold components to fulfill customers' needs. Our well-planned production procedure and adhere to high self-production rate with importing high precision machines from Japan, Germany, Switzerland such as CNC machining center, 5-axis CNC machine, CNC Lathe...etc. Quality Certificate obtained in 2003 with implement of full range of inspection instruments, customers are impressed with our fine and steady performance.

Branch factory was established in China in 1997, with 20,000 meter square floor plan and 250 employees on 260 various machines. By having strong resources as anchor, Gin Chan is able to provide high quality and high production environment.

Gin Chan adhere to the managing concept of Credit, Reliability, Profession and Quality to devote into industry. Continuous improving and seeking the customers' future demand with many years of profession and innovation breakthrough. Thinking ahead and support our customer to gain their competitive edge in the future.

G.M. Andy

## Machines

| | |
|---|---|
| 1 | CNC 4-Axis Turn Mill Machine |
| 2 | CNC 7-Axis Turn Mill Machine |
| 3 | CNC 9-Axis Turn Mill Machine |
| 4 | CNC Horizontal Machining Center with 10 x 300mm Index Tables |
| 5 | CNC Horizontal Machining Center with 10 x 400mm Index Tables |
| 6 | CNC Horizontal Machining Center with 2 x 400mm Index Tables |
| 7 | CNC Horizontal Machining Center with 24 x 500mm Index Tables |
| 8 | CNC 5 Faces Machining Center with 2 x 400mm Index Tables |
| 9 | CNC 5 Faces Machining Center with 10 x 300mm Index Tables |
| 10 | CNC Vertical Machining Center with 400 x 800mm Tables |
| 11 | CNC Vertical Machining Center with 500 x 1000mm Tables |
| 12 | 2HP Milling Machine |
| 13 | 1.5HP Milling Machine |
| 14 | CNC Lathe Machine |
| 15 | Manual Lathe Machine |
| 16 | CNC Surface Grinding Machine |
| 17 | 3-Axis Automatic Surface Grinding Machine |
| 18 | Manual Surface Grinding Machine |
| 19 | Table Top Cylindrical Grinding Machine |
| 20 | Centreless Grinding Machine |
| 21 | CNC 3-Axis Cylindrical Grinding Machine |
| 22 | CNC 5-Axis Cylindrical Grinding Machine |
| 23 | Cylindrical Grinding Machine |
| 24 | Inner-Diameter Grinding Machine |

## B37~48 EDM Fixture Clamp (Stainless)


53200 B37


53210 B37


53210-00 B39


53210-03/04/05 B40


53210-07/08 B41


53210-09/10 B42


53300 B43


53310 B43


53320 B43


53330 B44


53340 B44


53342 B45


53346 B45


53350 B46

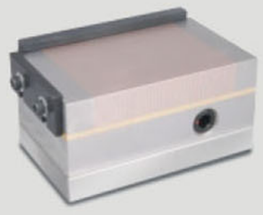

53360 B46


53370 B46


53380 B46


53390 B47

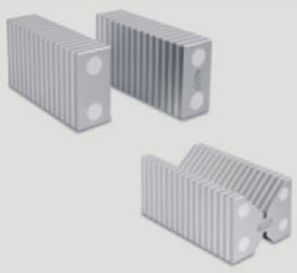

53400 B47

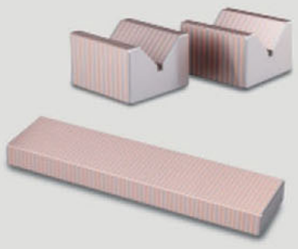

53410 B47


53420 B47

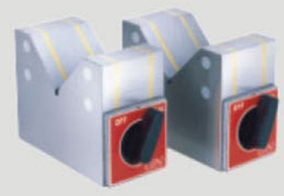
## C01~12 Induction Block / Sine Magnetic Chuck


54000 C01


54010 C01


54020 C02


54030 C03


54040 C04


54050 C05


54060 C06


54070 C06


54080 C07


54090 C07


54100 C08


54110 C09


54120 C09


54130 C10


54140 C10


54150 C11


54160 C11


54170 C12

# INDEX

## C13~34 Magnetic Chucks



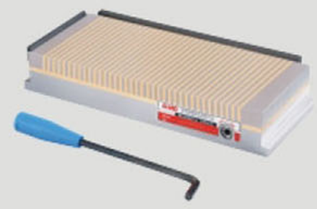
54180 C13


54190 C13


54200 C14


54210 C14


54220 C15


54230 C15


54240 C16


54250 C17


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54300 C19


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54530 C25


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54600 C29


54610 C31


54620 C33


## C35~43 Demagnetizer / Chips Cleaner



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54832 C38


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54854 C42


54856 C42


54858 C43


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## C44~54 Magnetic Tools / Magnetic Base


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54864 C45


54866 C46


54868 C47


54870 C48


54871 C49


54872 C49

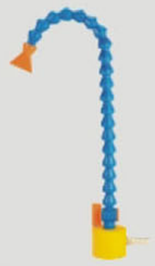

54873 C49

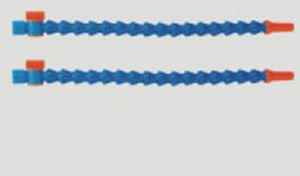

54874 C50


54876 C50


54880 C51


54882 C51


54884 C51


54886 C52


54890 C53


54892 C53


54894 C53


54896 C54


54898 C54

## C55~62 Universal Arm


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54904 C55


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54918 C56


54920 C56


54922 C57


54924 C57


54926 C57


54928 C58


54930 C59


54932 C60


54934 C61


54935 C62


54936-01/02 C62


54936-03/04 C62

# 54000 GT Magnetic Induction Block

GT1



GT2

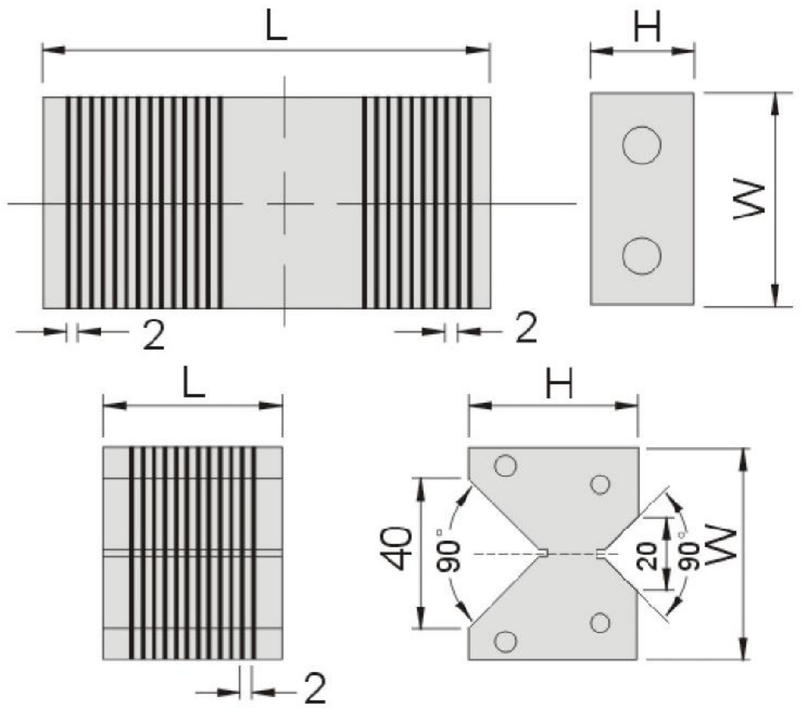


GT3



## Features :

- Non-magnetic GT1, GT2 and GT3 can be magnetized after inducted on any magnetic chuck applying for as plate or 45° fixture.
- It is used as auxiliary tool by applying with magnetic chuck for holding round, thin or shapes that difficult to hold.
- There are mainly two types of induction blocks, rectangle and M shape for different processing demands.

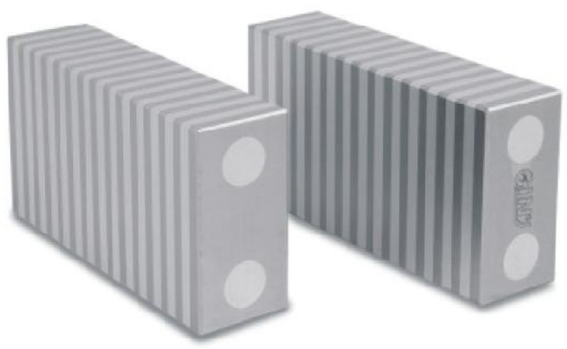



Unit:mm

| Order No. | Model | LxWxHxPCS | N.W. |
|---|---|---|---|
| 54000-10 | GT1 | 100x50x25-2PCS | 2kg |
| 54000-20 | GT2 | 49x58x46-2PCS | 1.7kg |
| 54000-30 | GT3 | 98x58x46-1PCS | 3.4kg |

# 54010 AT Magnetic Induction Block

AT1



AT3

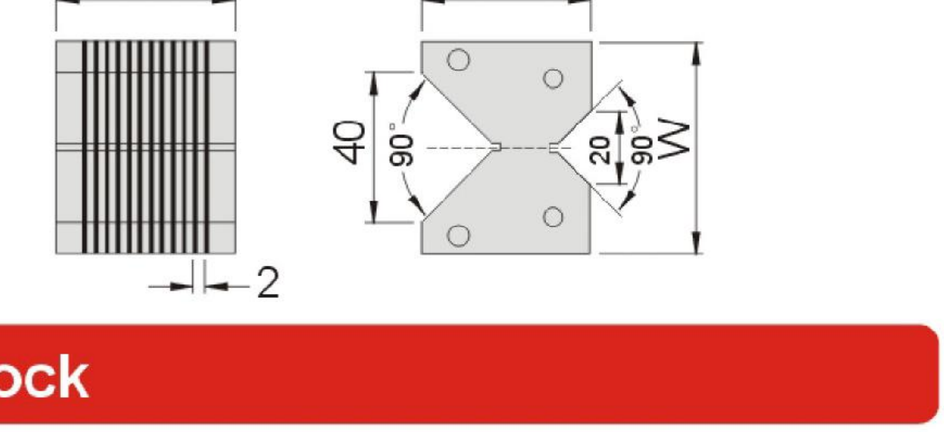


AT2

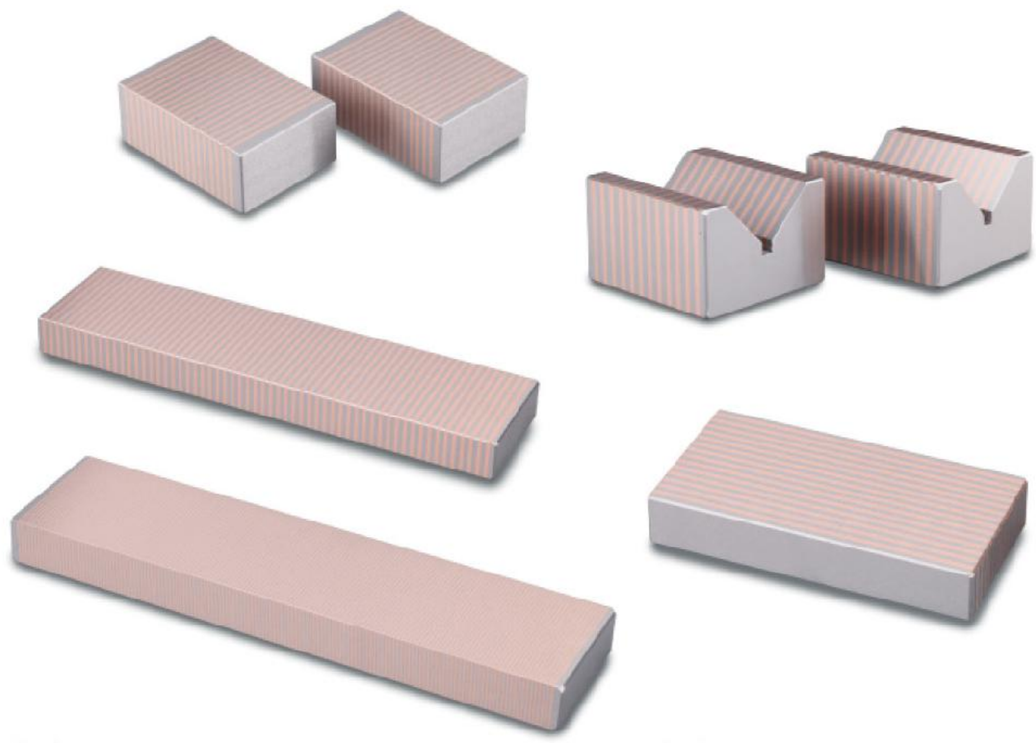


Unit:mm

| Order No. | Model | LxWxHxPCS | N.W. |
|---|---|---|---|
| 54010-10 | AT1 | 100x50x25-2PCS | 1.2kg |
| 54010-20 | AT2 | 49x58x46-2PCS | 1.2kg |
| 54010-30 | AT3 | 98x58x46-1PCS | 1.2kg |

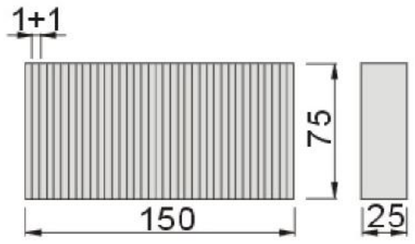


# 54020 HT Magnetic Induction Block

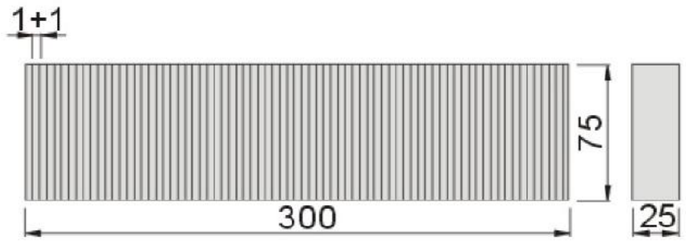


## Features :

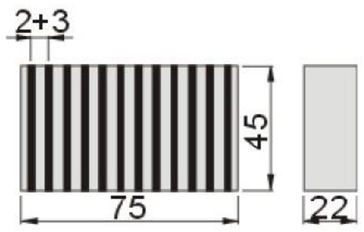
- Made of iron and copper with welding fixed, can cut in any shapes and distortion free.
- It will be magnetized after inducted on any magnetic chuck applying for as plate or 45° fixture and used as auxiliary tool for holding round, thin or shapes that difficult to hold.
- There are many types induction blocks for selection to fulfill your processing needs.
- 20% magnetic force reduced when thickness over 25mm.



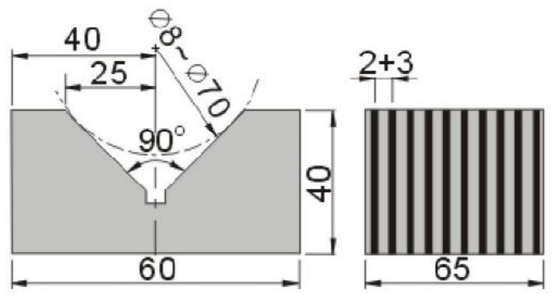

**54020-01 HTW-150**



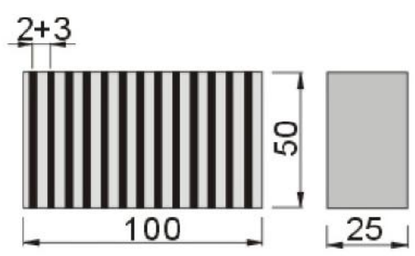

**54020-02 HTW-300**



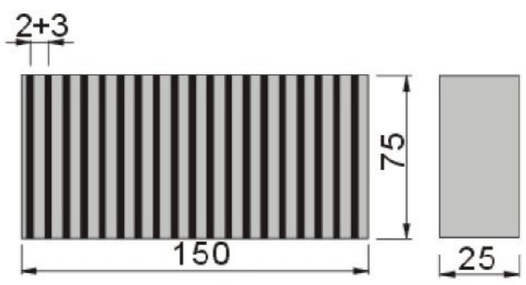

**54020-03 HT-75**



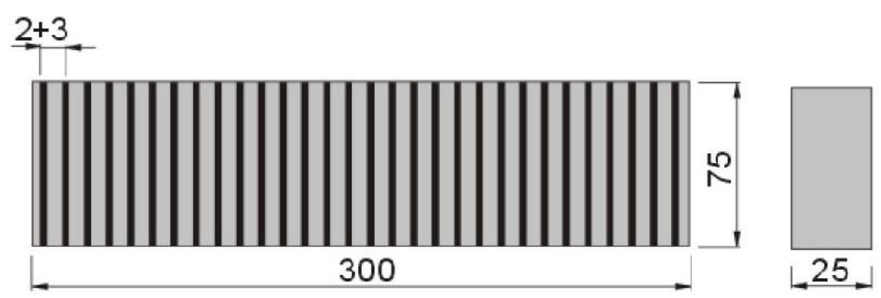

**54020-04 HTV-60**



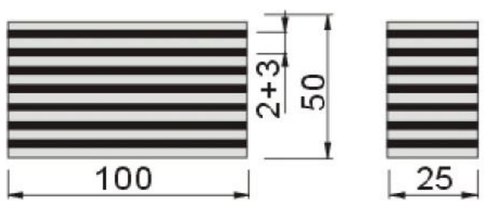

**54020-05 HT-100**



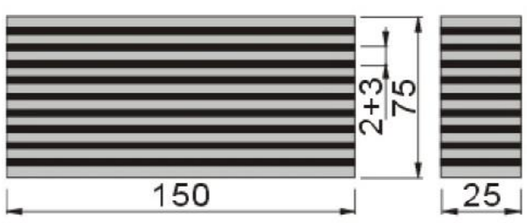

**54020-06 HT-150**



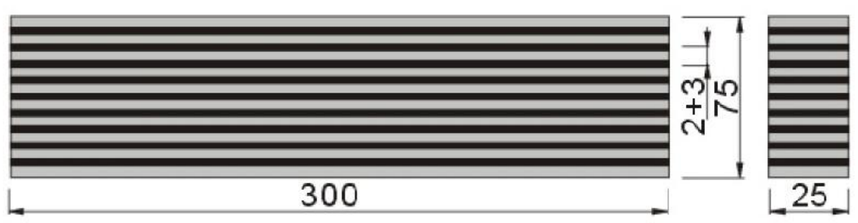

**54020-07 HT-300**




**54020-08 HTL-100**




**54020-09 HTL-150**




**54020-10 HTL-300**

Unit:mm

| Order No. | Model | L | W | H | Pole pitch | Qty | N.W. |
|---|---|---|---|---|---|---|---|
| 54020-01 | HTW-150 | 150 | 75 | 25 | 2(1+1) | 1 PCS | 2.2kg |
| 54020-02 | HTW-300 | 300 | 75 | 25 | 2(1+1) | 1 PCS | 4.4kg |
| 54020-03 | HT-75 | 75 | 45 | 22 | 5(2+3) | 2 PCS | 1.2kg |
| 54020-04 | HTV-60 | 65 | 60 | 40 | 5(2+3) | 2 PCS | 2.5kg |
| 54020-05 | HT-100 | 100 | 50 | 25 | 5(2+3) | 2 PCS | 2.0kg |
| 54020-06 | HT-150 | 150 | 75 | 25 | 5(2+3) | 1 PCS | 2.2kg |
| 54020-07 | HT-300 | 300 | 75 | 25 | 5(2+3) | 1 PCS | 4.4kg |
| 54020-08 | HTL-100 | 100 | 50 | 25 | 5(2+3) | 2 PCS | 2.0kg |
| 54020-09 | HTL-150 | 150 | 75 | 25 | 5(2+3) | 1 PCS | 2.2kg |
| 54020-10 | HTL-300 | 300 | 75 | 25 | 5(2+3) | 1 PCS | 4.4kg |

# 54030 GVH Magnetic V-block

GVH2

GVH1



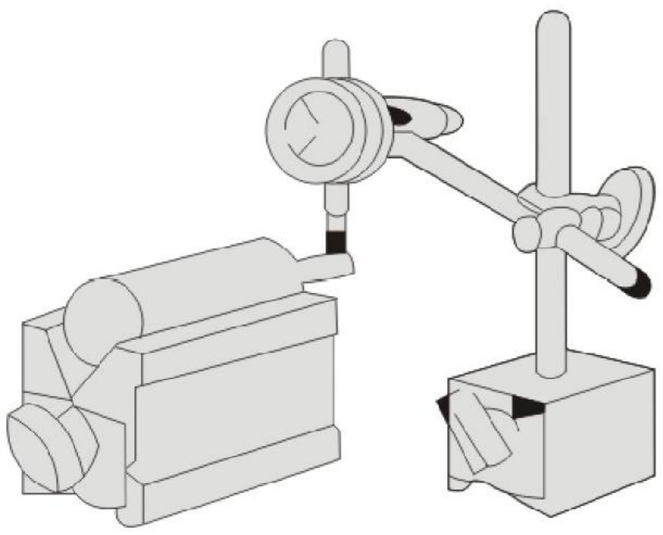




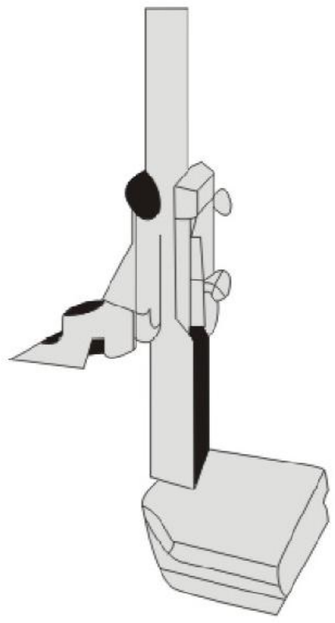
GVH3

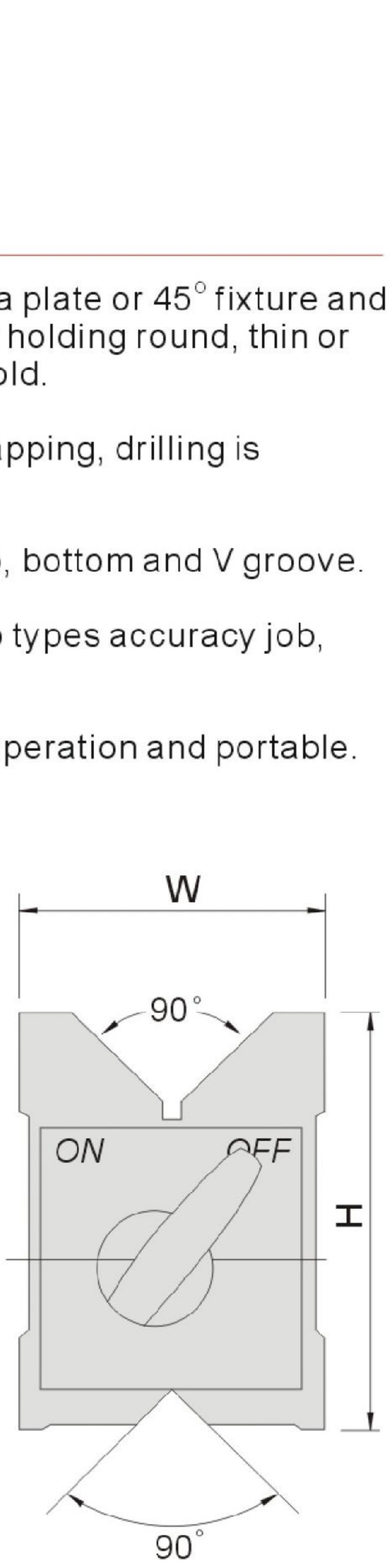
## Features :

- Suitable for applying as a plate or 45° fixture and used as auxiliary tool for holding round, thin or shapes that difficult to hold.
- Light grinding, milling, tapping, drilling is applicable.
- Strong mag. force on top, bottom and V groove.
- Suitable for applying two types accuracy job, standard or special.
- On/Off switch, easy for operation and portable.










Unit:mm

| Order No. | Model | Mag. Force | | Specification | | | N.W. |
|---|---|---|---|---|---|---|---|
| | | Round | Flat | W | H | L | |
| 54030-10 | GVH1 | 55kgf | 70kgf | 56 | 72 | 80 | 1.8kg |
| 54030-20 | GVH2 | 90kgf | 110kgf | 76 | 100 | 115 | 5.1kg |
| 54030-30 | GVH3 | 55kgf | 70kgf | 61 | 73 | 120 | 3.1kg |

# 54040 GVH Magnetic V-block

GVH40



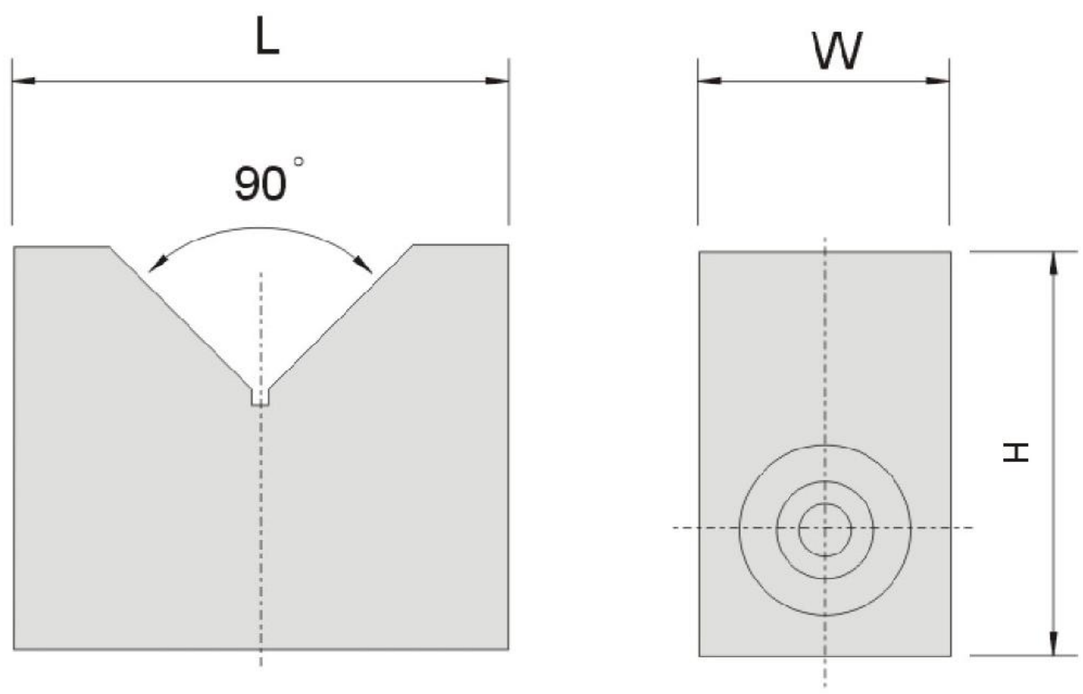

GVH60




## Features :

- GVH30/40/60 are suitable for applying long or round workpiece.
- Suitable for holding round or rectangle shape steel for precision measuring, marking and grinding.
- Two pieces in a set with uniform spec. for standard and accuracy.
- On/Off switch, easy for operation and portable.






Unit:mm

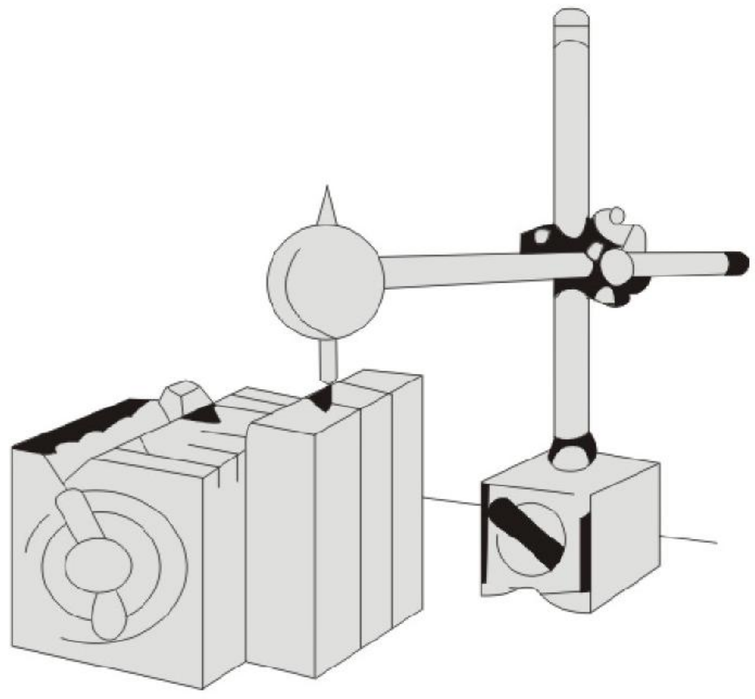
| Order No. | Model | Mag. Force | Capacity | Specification | | | N.W. |
|---|---|---|---|---|---|---|---|
| | | | | L | W | H | |
| **54040-30** | GVH30 | 15kgf | ∅50 | 70 | 40 | 50 | 2kg |
| **54040-40** | GVH40 | 20kgf | ∅80 | 100 | 50 | 80 | 6kg |
| **54040-60** | GVH60 | 23kgf | ∅125 | 150 | 50 | 100 | 10kg |

# 54050 BA Magnetic Square & V-block

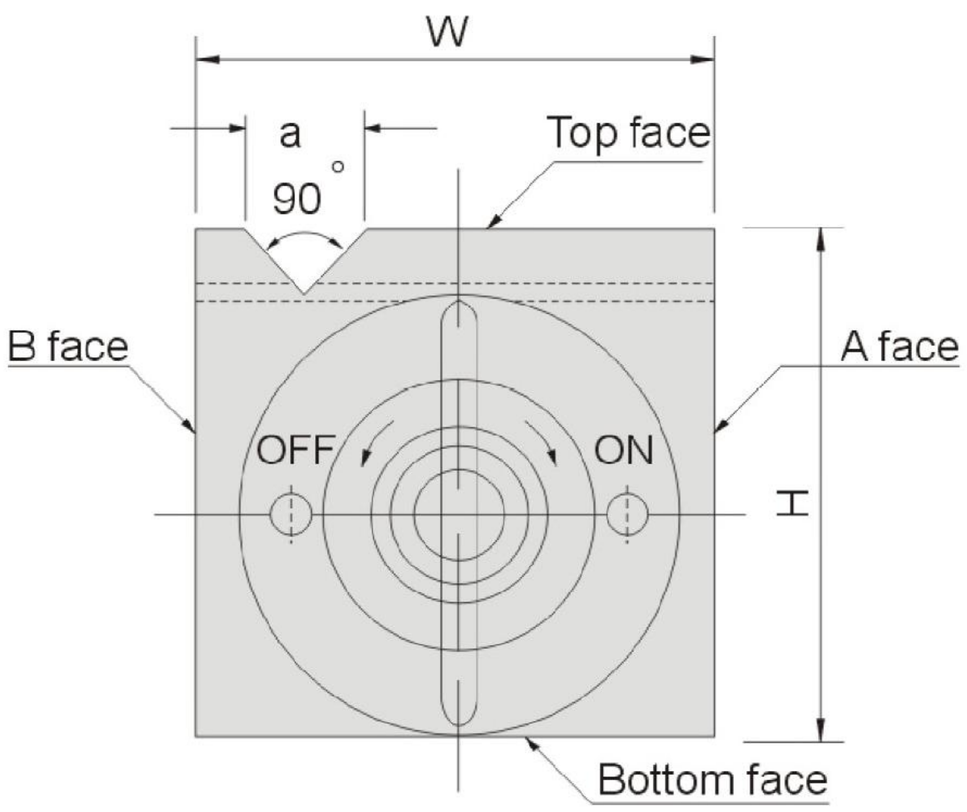


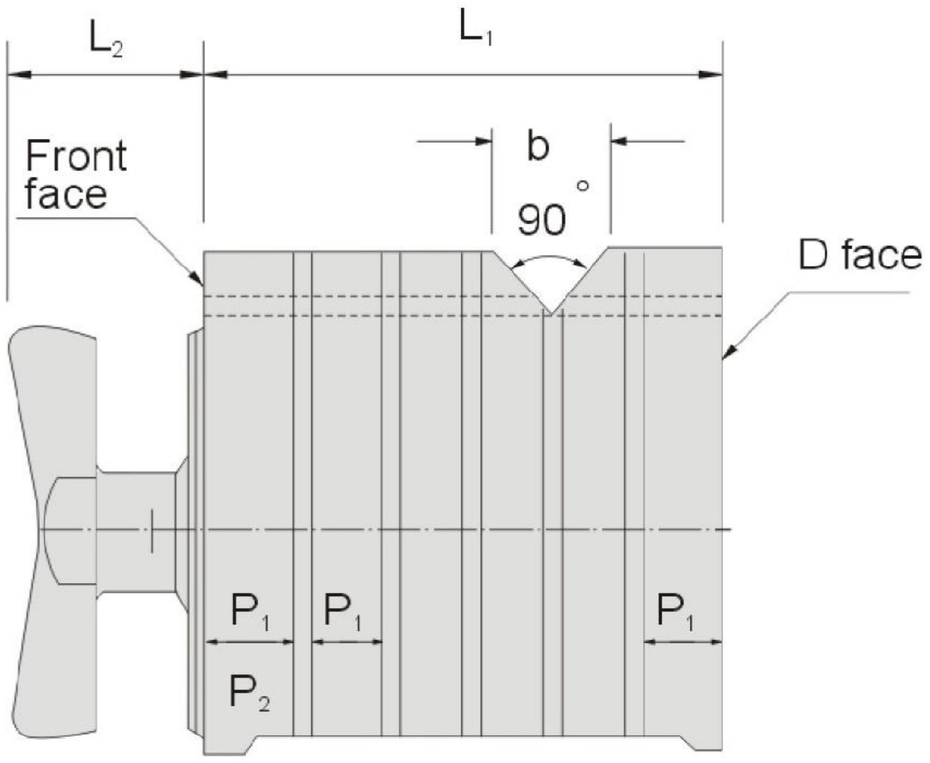

## Features :

- Suitable for holding round or rectangle shape steel for precision measuring and marking.
- Attraction is available on the upper face both sides and V-faces.
- V-face is provided at 2 sections each at right angle for easy application.
- Precisely ground and inspected.







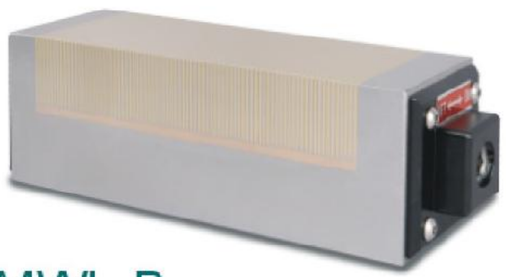

Unit:mm

| Order No. | Model | V-Face Holding Power | | Flat-Face Holding Power | | Specification | | | | | | | | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Stone Surface plate | Iron Surface plate | Stone Surface plate | Iron Surface plate | W | L1 | H | L2 | P1 | P2 | P3 | a/b | |
| 54050-10 | BA1 | 300N(30kgf) | 250N(25kgf) | 500N(50kgf) | 300N(30kgf) | 100 | 100 | 100 | 43 | 17 | 4 | 12 | 26 | 6.3kg |
| 54050-20 | BA2 | 600N(60kgf) | 350N(35kgf) | 1800N(180kgf) | 1000N(100kgf) | 150 | 150 | 150 | 56 | 24.5 | 5 | 19 | 32 | 21.3kg |

## 54060 MWL Permanent Magnetic Chuck

MWL-A





MWL-B

MWL-C



(Wire cutting machine applicable)

### Features :

- Suitable for applying in grinding, milling, EDM, Wire Cutting and measuring machines.
- Attractions are available on several faces and capable of holding small and thing workpieces. Attraction can be adjustable and prevent distortion.
- Suitable for processing 90° fixture.
- Applying two magnetic chucks for shifting processing, easier and efficient.
- Easily to disassemble workpieces when OFF, no magnetic force remained.

Unit:mm

| Order No. | Model | Specification | | | N.W. |
|---|---|---|---|---|---|
| | | L | W | H | |
| **54060-01** | MWL-A | 135 | 50 | 60 | 3.5kg |
| **54060-02** | MWL-B | 200 | 70 | 70 | 7.5kg |
| **54060-03** | MWL-C | 190 | 46 | 54 | 3.7kg |

## 54070 MWS Permanent Magnetic Chuck(Vertical Type)



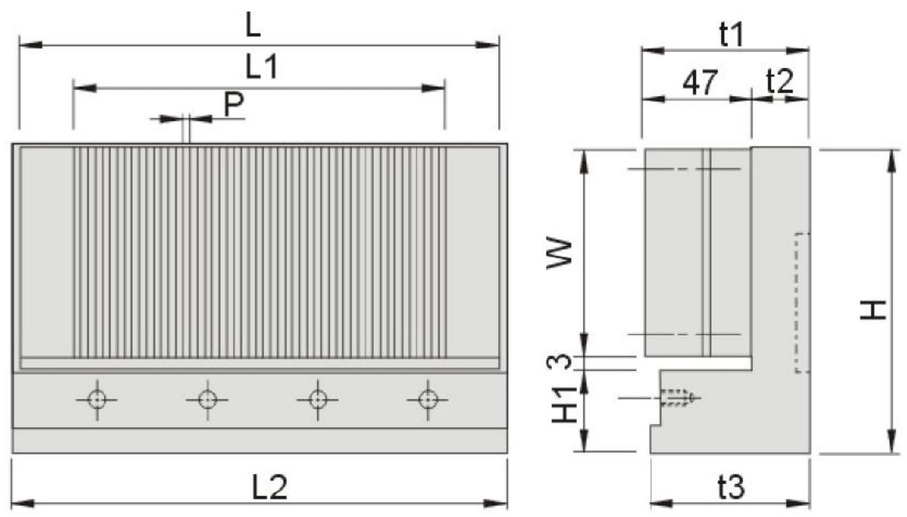



### Features :

- Suitable for applying workpiece inspection of vertical auxiliary by using its magnetic force to achieve stability.
- Squareness and parallelism are within ±0.002mm.
- Sub-zero treatment and HRC56° ensure its accuracy, material SKD11 is applied forIts base.

Unit:mm

| Order No. | Model | W | L | L1 | P | L2 | t3 | t1 | t2 | H | H1 | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **54070-10** | MW307S | 75 | 175 | 130 | 1+1 | 180 | 65 | 67 | 20 | 111 | 30 | 9.7kg |
| **54070-20** | MW407S | 100 | 175 | 130 | 1+1 | 180 | 65 | 67 | 20 | 136 | 30 | 13kg |
| **54070-30** | MW510S | 125 | 250 | 205 | 1+1 | 255 | 65 | 67 | 20 | 161 | 30 | 23kg |



# Sine Plate

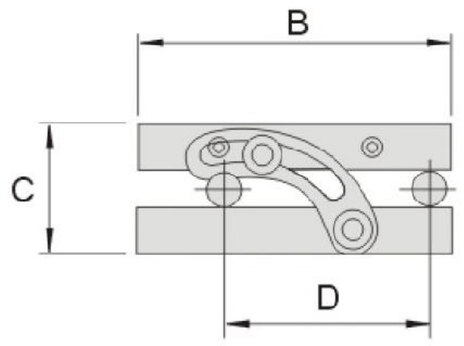
## 54080 SP Sine Plate

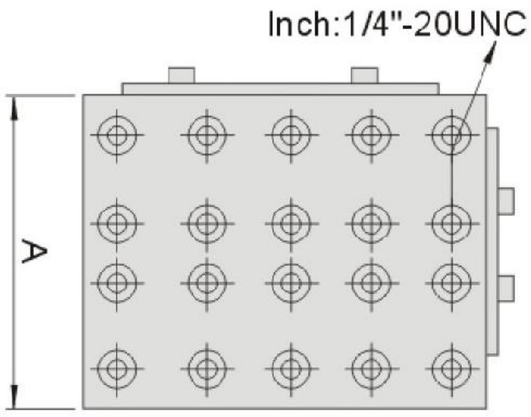




### Features :

- Tapped holes in top plate 3" x 6" , 5" x 6" for fixing workpieces.
- Sqaureness within 0.0002"
- Parallelism within 0.0002" / 4".
- Center distance of rolls within 0.0002".
- Adjustable angle 0-60°




Unit:Inch

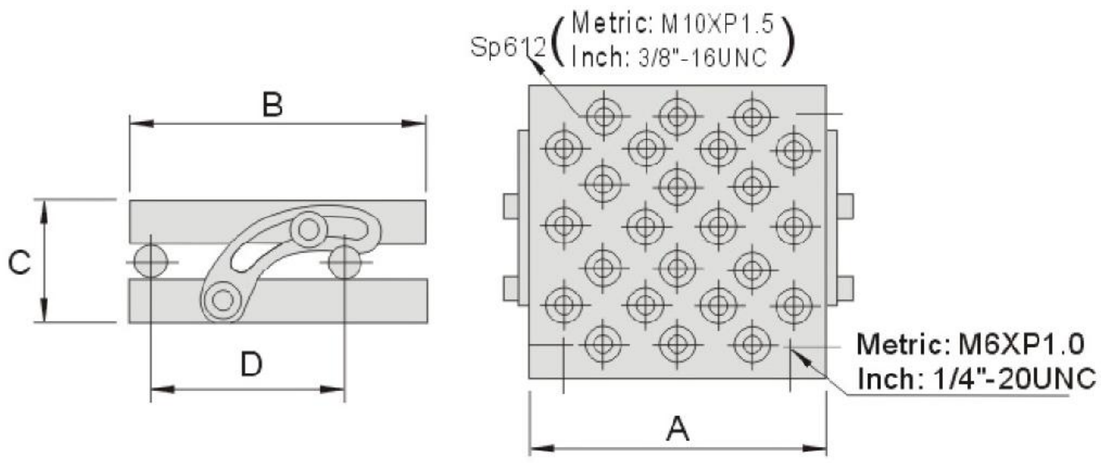
| Order No. | Model | A | B | C | D | N.W. |
|---|---|---|---|---|---|---|
| **54080-15** | SP36 | 3.228 | 6 | 2.205 | 5 | 4.2kg |
| **54080-25** | SP56 | 5 | 6 | 2.362 | 5 | 7kg |

## 54090 SP Sine Plate



### Features :

- Tapped holes in top plate 6" x 6" , 4" x 7" for fixing workpieces.
- Sqaureness within 0.005mm (0.0002")
- Parallelism within 0.005mm (0.0002") / 100mm
- Center distance of rolls within 0.005mm. (0.0002")
- Adjustable angle 0-60°.



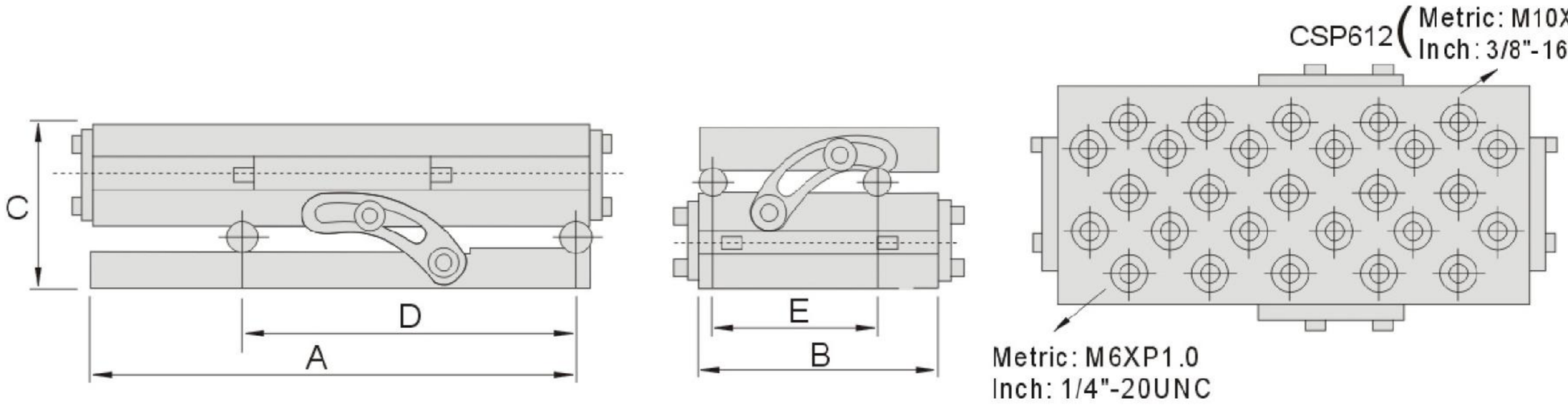

| Metric / Inch | Order No. | Model | A | B | C | D | N.W. |
|---|---|---|---|---|---|---|---|
| **54090-10** / **54090-15** | SP47 | 175 / 7 | 100 / 4 | 60 / 2.362 | 75 / 3 | 6.5kg |
| **54090-20** / **54090-25** | SP66 | 150 / 6 | 150 / 6 | 60 / 2.362 | 100 / 5 | 8.1kg |
| **54090-30** / **54090-35** | SP612 | 300 / 12 | 150 / 6 | 60 / 2.362 | 100 / 5 | 15.8kg |

# 54100 CSP Compound Sine Plate



## Features :

- Widely applied on grinding or milling machines with compound angle adjustable.
- Made of quality steel, hardened to 55°- 58°.
- Parallelism within 0.005mm(0.0002") / 100mm
- Center distance of rolls within 0.005mm (0.0002").
- Adjustable angle 0-60°.




| Metric / Inch | Order No. | Model | A | B | C | D | E | N.W. |
|---|---|---|---|---|---|---|---|---|
| | 54100-10 / 54100-15 | CSP47 | 175 / 7 | 100 / 4 | 100 / 4 | 100 / 5 | 75 / 3 | 9.7kg |
| | 54100-20 / 54100-25 | CSP66 | 150 / 6 | 150 / 6 | 100 / 4 | 100 / 5 | 100 / 5 | 12.2kg |
| | 54100-30 / 54100-35 | CSP612 | 300 / 12 | 150 / 6 | 100 / 4 | 200 / 10 | 100 / 5 | 23.4kg |

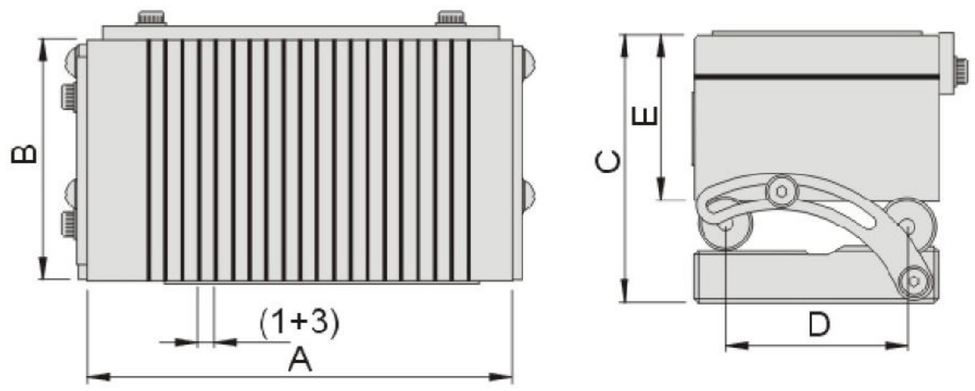
# Sine Magnetic Chuck

## 54110 SPM Economy Sine Magnetic Chuck




### Features :

- This Sine Magnetic Chuck provides user-friendly and cost effective.
- Parallelism within 0.003mm / 100mm
- Center distance of rolls within 0.005mm.
- Adjustable angle 0-60°.




Metric / Inch

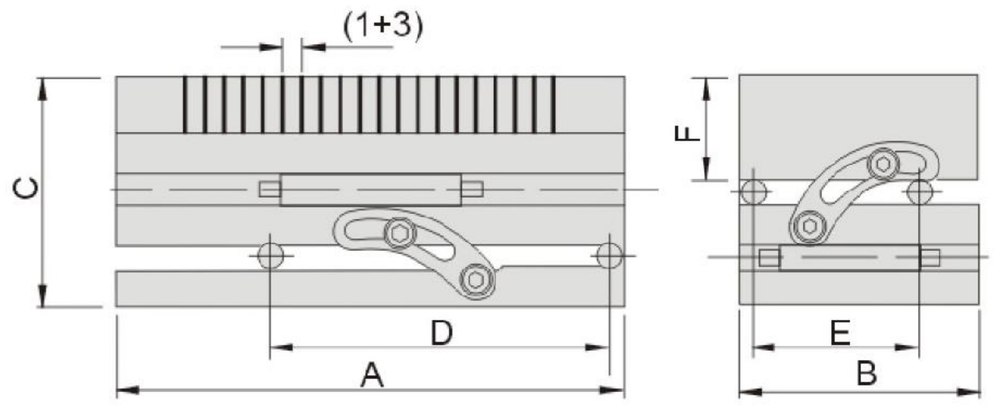
| Order No. | Model | A | B | C | D | E | N.W. |
|---|---|---|---|---|---|---|---|
| **54110-10** / **54110-15** | SP47M | 175 / 7 | 100 / 4 | 85.4 / 3.4 | 75 / 3 | 47 / 1.85 | 10.4kg |
| **54110-20** / **54110-25** | SP66M | 150 / 6 | 150 / 6 | 85.4 / 3.4 | 100 / 5 | 47 / 1.85 | 12.6kg |
| **54110-22** / **54110-27** | SP510M | 250 / 10 | 125 / 5 | 85.4 / 3.4 | 100 / 4 | 47 / 1.85 | 17.8kg |
| **54110-30** / **54110-35** | SP612M | 300 / 12 | 150 / 6 | 85.4 / 3.4 | 100 / 5 | 47 / 1.85 | 25.4kg |

## 54120 CSPM Compound Sine Magnetic Chuck




### Features :

- Base is hardened with precision ground and high rigidity.
- Parallelism within 0.003mm / 100mm
- Center distance of rolls within 0.005mm.
- Adjustable angle 0-60°by applying precision gauge block.




Metric / Inch

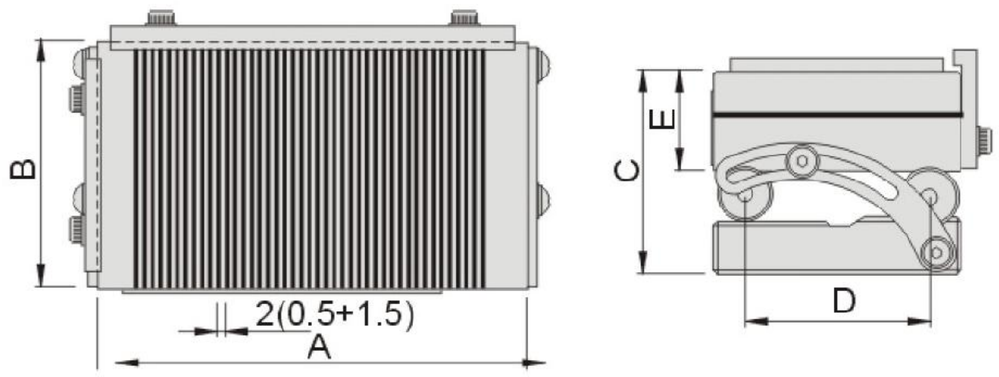
| Order No. | Model | A | B | C | D | E | F | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54120-10** / **54120-15** | CSP47M | 175 / 7 | 100 / 4 | 123.7 / 4.9 | 100 / 5 | 75 / 3 | 47 / 1.85 | 13.5kg |
| **54120-20** / **54120-25** | CSP66M | 150 / 6 | 150 / 6 | 123.7 / 4.9 | 100 / 5 | 100 / 5 | 47 / 1.85 | 16.8kg |
| **54120-22** / **54120-27** | CSP510M | 250 / 10 | 125 / 5 | 123.7 / 4.9 | 200 / 8 | 100 / 4 | 47 / 1.85 | 23.4kg |
| **54120-30** / **54120-35** | CSP612M | 300 / 12 | 150 / 6 | 123.7 / 4.9 | 200 / 10 | 100 / 5 | 47 / 1.85 | 32.5kg |

# 54130 SPS Economy Sine Plate With Fine Magnetic Chuck




## Features :

- Suitable for thin and small workpiece processing.
- Parallelism within 0.003mm / 100mm
- Center distance of rolls within 0.005mm.
- Adjustable angle 0-60°.



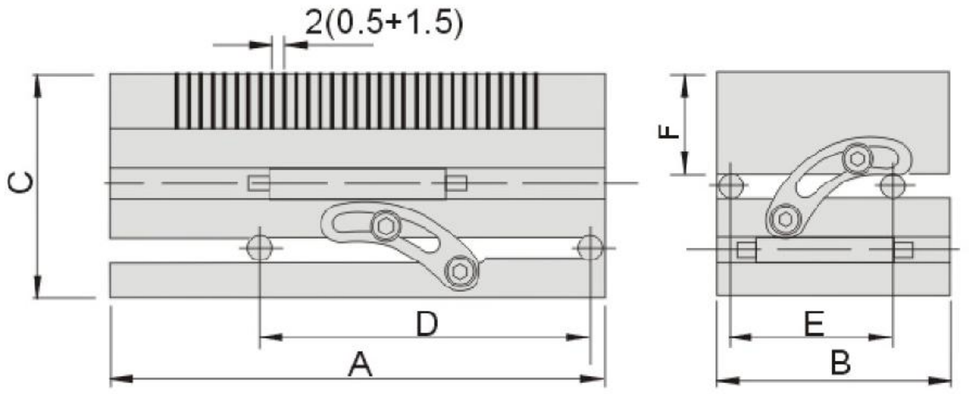

| Metric / Inch | Order No. | Model | A | B | C | D | E | N.W. |
|---|---|---|---|---|---|---|---|---|
| | 54130-10 / 54130-15 | SP47S | 175 / 7 | 100 / 4 | 85.4 / 3.4 | 75 / 3 | 47 / 1.85 | 10.3kg |
| | 54130-20 / 54130-25 | SP66S | 150 / 6 | 150 / 6 | 85.4 / 3.4 | 100 / 5 | 47 / 1.85 | 12.7kg |
| | 54130-22 / 54130-27 | SP510S | 250 / 10 | 125 / 5 | 85.4 / 3.4 | 100 / 4 | 47 / 1.85 | 18.3kg |
| | 54130-30 / 54130-35 | SP612S | 300 / 12 | 150 / 6 | 85.4 / 3.4 | 100 / 5 | 47 / 1.85 | 26.7kg |

# 54140 CSPS Compound Sine Plate With Fine Magnetic Chuck




## Features :

- Base is hardened with precision ground and high rigidity.
- Parallelism within 0.003mm / 100mm
- Center distance of rolls within 0.005mm.
- Adjustable angle 0-60° by applying precision gauge block.




| Metric / Inch | Order No. | Model | A | B | C | D | E | F | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| | 54140-10 / 54140-15 | CSP47S | 175 / 7 | 100 / 4 | 123.7 / 4.9 | 100 / 5 | 75 / 3 | 47 / 1.85 | 13.5kg |
| | 54140-20 / 54140-25 | CSP66S | 150 / 6 | 150 / 6 | 123.7 / 4.9 | 100 / 5 | 100 / 5 | 47 / 1.85 | 16.8kg |
| | 54140-22 / 54140-27 | CSP510S | 250 / 10 | 125 / 5 | 123.7 / 4.9 | 200 / 8 | 100 / 4 | 47 / 1.85 | 23.4kg |
| | 54140-30 / 54140-35 | CSP612S | 300 / 12 | 150 / 6 | 123.7 / 4.9 | 200 / 10 | 100 / 5 | 47 / 1.85 | 33.1kg |

# Sine Magnetic Chuck

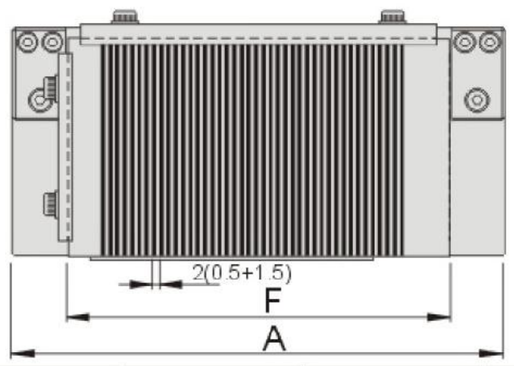
## 54150 MSP Sine Plate With Fine Magnetic Chuck

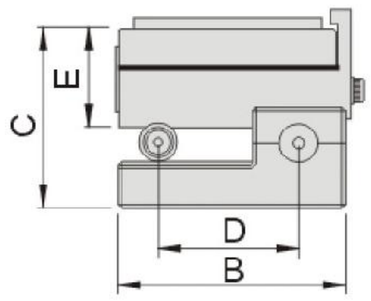
PAT: 191154
ZL 99 2 11094.7




### Features :

- This magnetic chuck is user-friendly and high precision auxiliary tools.
- Tiny workpiece can be attracted with pole pitch 1.5mm.
- Parallelism within 0.003mm / 100mm
- Center distance of rolls within 0.005mm.
- Adjustable angle 0-60°.




Metric / Inch

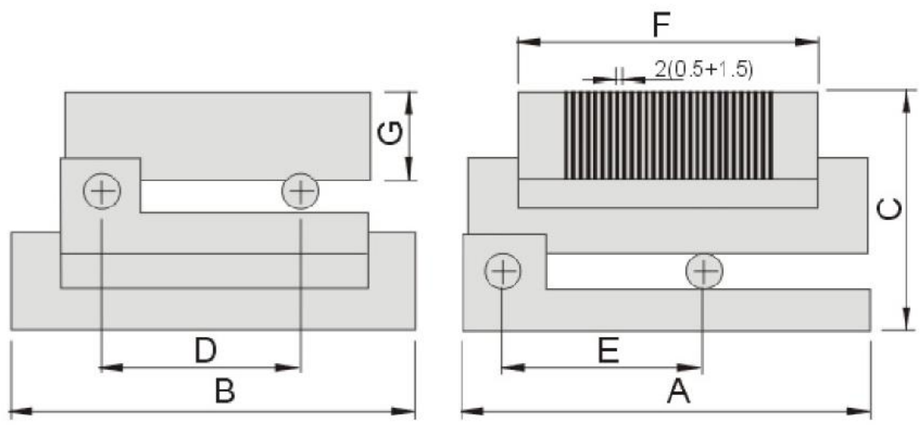
| Order No. | Model | A | B | C | D | E | F | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54150-10 / 54150-15 | MSP35S | 177 / 7.0 | 75 / 3 | 74 / 2.9 | 50 / 2 | 40 / 1.58 | 130 / 5 | 6.5kg |
| 54150-20 / 54150-25 | MSP47S | 225 / 9 | 102 / 4 | 84 / 3.3 | 75 / 3 | 47 / 1.85 | 175 / 7 | 11kg |
| 54150-30 / 54150-35 | MSP66S | 200 / 8 | 152 / 6 | 84 / 3.3 | 100 / 5 | 47 / 1.85 | 150 / 6 | 14.8kg |
| 54150-40 / 54150-45 | MSP510S | 300 / 12 | 127 / 5 | 84 / 3.3 | 100 / 4 | 47 / 1.85 | 250 / 10 | 20kg |
| 54150-50 / 54150-55 | MSP412S | 350 / 14 | 102 / 4 | 84 / 3.3 | 75 / 3 | 47 / 1.85 | 300 / 12 | 20.3kg |
| 54150-60 / 54150-65 | MSP612S | 350 / 14 | 152 / 6 | 84 / 3.3 | 100 / 5 | 47 / 1.85 | 300 / 12 | 27.5kg |

## 54160 CMSP Compound Sine Plate With Fine Magnetic Chuck



### Features :

- Base is hardened with precision ground and high rigidity.
- Parallelism within 0.003mm / 100mm
- Center distance of rolls within 0.005mm.
- Adjustable angle 0-60° by applying precision gauge block.




Metric / Inch

| Order No. | Model | A | B | C | D | E | F | G | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54160-10 / 54160-15 | CMSP35S | 177 / 7.0 | 122 / 4.8 | 107.7 / 4.2 | 50 / 2 | 100 / 3 | 130 / 5 | 40 / 1.58 | 10kg |
| 54160-20 / 54160-25 | CMSP47S | 225 / 9 | 150 / 6 | 121 / 4.8 | 75 / 3 | 150 / 5 | 175 / 7 | 47 / 1.85 | 16kg |
| 54160-30 / 54160-35 | CMSP66S | 200 / 8 | 200 / 8 | 121 / 4.8 | 100 / 5 | 150 / 5 | 150 / 6 | 47 / 1.85 | 20.9kg |
| 54160-40 / 54160-45 | CMSP510S | 300 / 12 | 175 / 7 | 121 / 4.8 | 100 / 4 | 200 / 10 | 250 / 10 | 47 / 1.85 | 28kg |

# 54170 MSP Sine Magnetic Chuck

MSP35SA



MSP47SA

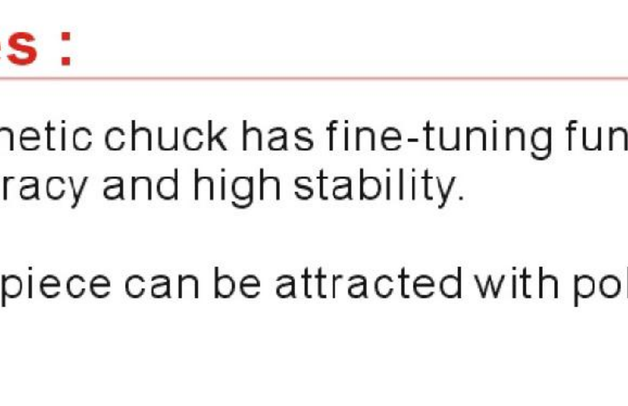


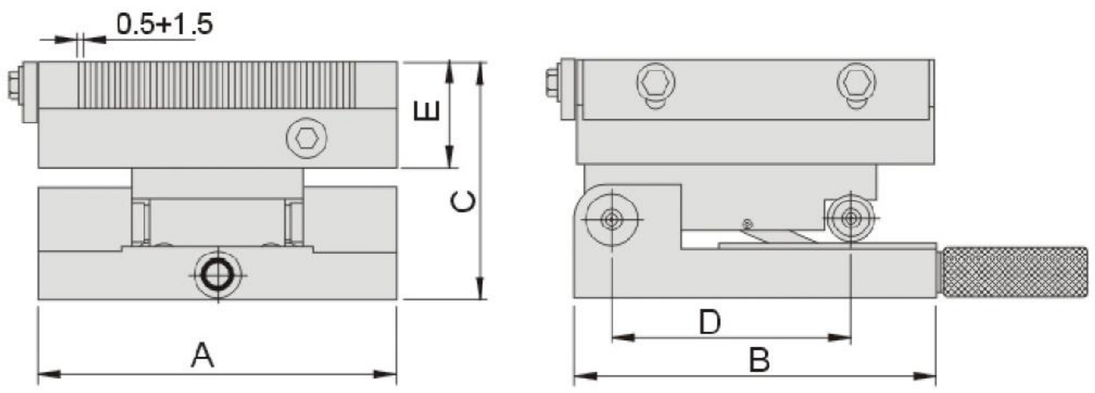
MSP66SA



## Features :

- This magnetic chuck has fine-tuning function with high accuracy and high stability.
- Tiny workpiece can be attracted with pole pitch 1.5mm.
- Parallelism within 0.003mm / 100mm
- Adjustable angle 0-55°.




Unit:mm

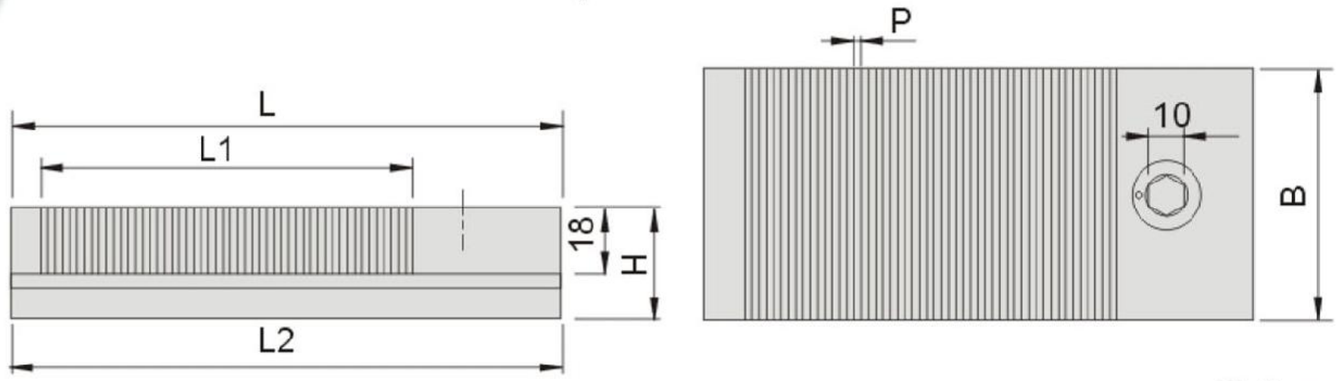
| Order No. | Model | A | B | C | D | E | N.W. |
|---|---|---|---|---|---|---|---|
| **54170-35** | MSP35SA | 130 | 75 | 83 | 50 | 37 | 5.6kg |
| **54170-47** | MSP47SA | 175 | 100 | 90 | 75 | 41 | 10.5kg |
| **54170-66** | MSP66SA | 150 | 150 | 89 | 100 | 39 | 13.1kg |

## 54180 MTW Super Thin Type Permanent Magnetic Chuck



### Features :

- Suitable for grinding, EDM and projection grinding machine.
- Thin & light in terms of dimensions.
- Water resistance.
- Apply by turns when mass production, increasing 50% efficiency.




Unit:mm

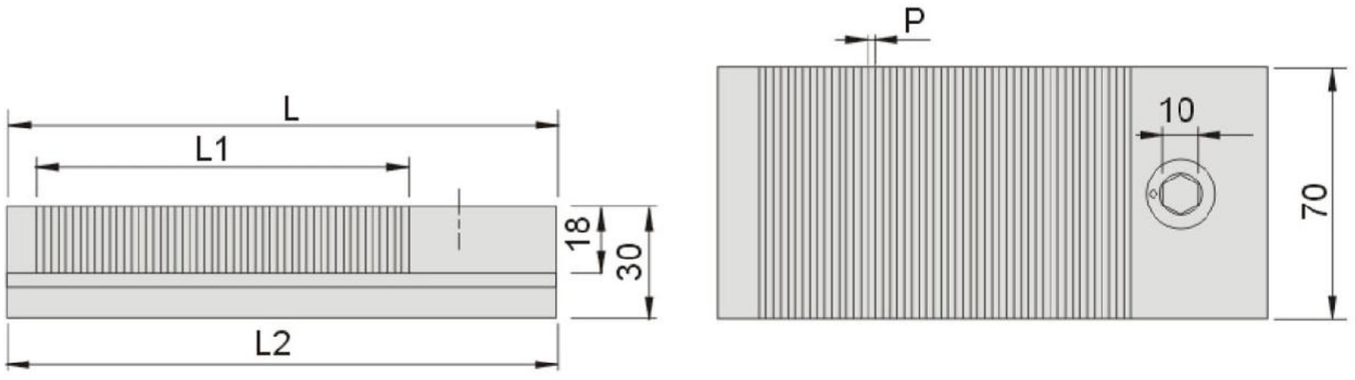
| Order No. | Model | Spec. | B | L | L1 | Pitch | L2 | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54180-305 | MTW305 | 70X130 | 70 | 130 | 77 | 2(1+1) | 130 | 30 | 2.2kg |
| 54180-307 | MTW307 | 70X175 | | 175 | 122 | | 175 | | 2.9kg |
| 54180-408 | MTW408 | 100X200 | 100 | 200 | 147 | | 220 | | 5.7kg |
| 54180-606 | MTW606 | 150X150 | 150 | 150 | 97 | | 150 | 36 | 6.4kg |
| 54180-608 | MTW608 | 150X200 | | 200 | 147 | | 220 | | 8.5kg |
| 54180-610 | MTW610 | 150X250 | | 250 | 197 | | 270 | | 10.6kg |

## 54190 MTS Super Thin Type Permanent Magnetic Chuck



### Features :

- Suitable for grinding, EDM and projection grinding machine.
- Thin & light in terms of dimensions.
- Water resistance.
- Apply by turns when mass production, increasing 50% efficiency.
- Made of stainless steel.




Unit:mm

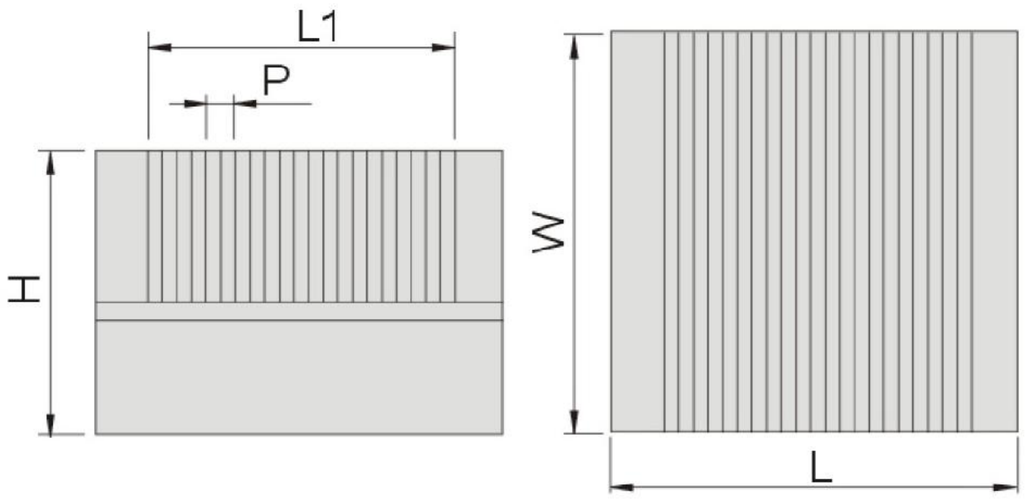
| Order No. | Model | Spec. | L | L1 | Pitch | L2 | N.W. |
|---|---|---|---|---|---|---|---|
| 54190-305 | MTS305 | 70X130 | 130 | 77 | 1.4(0.4+1) | 130 | 2.2kg |
| 54190-307 | MTS307 | 70X175 | 175 | 122 | | 175 | 2.9kg |

## 54200 HMR Permanent Magnetic Chuck(For Alloy Material)




### Features :

- Suitable for alloy and other metal materials which are difficult to hold.
- The top plate is hard-welded to ensure stability and accuracy.
- Magnetic force is up to 3500 gauss.
- Stainless steel made plate, high rigidity and dura bility.
- No ON-OFF switch.




Unit:mm

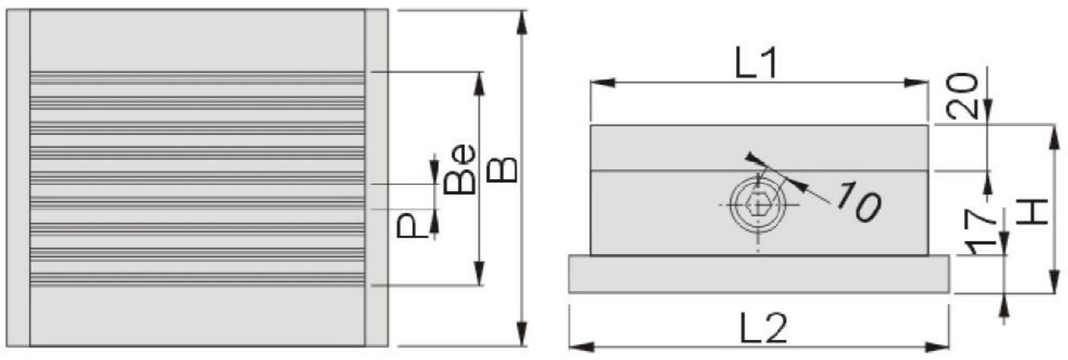
| Order No. | Model | Spec. | W | L | L1 | Pitch | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54200-02 | HMR-404 | 105X105 | 105 | 105 | 69 | 6 (1+1+ 1+3) | 60 | 5.2kg |
| 54200-04 | HMR-407 | 105X180 | | 180 | 145 | | | 9.0kg |
| 54200-08 | HMR-612 | 150X300 | 150 | 300 | 266 | | | 21.0kg |

## 54210 HMTR Super Powerful Permanent Magnetic Chuck



### Features :

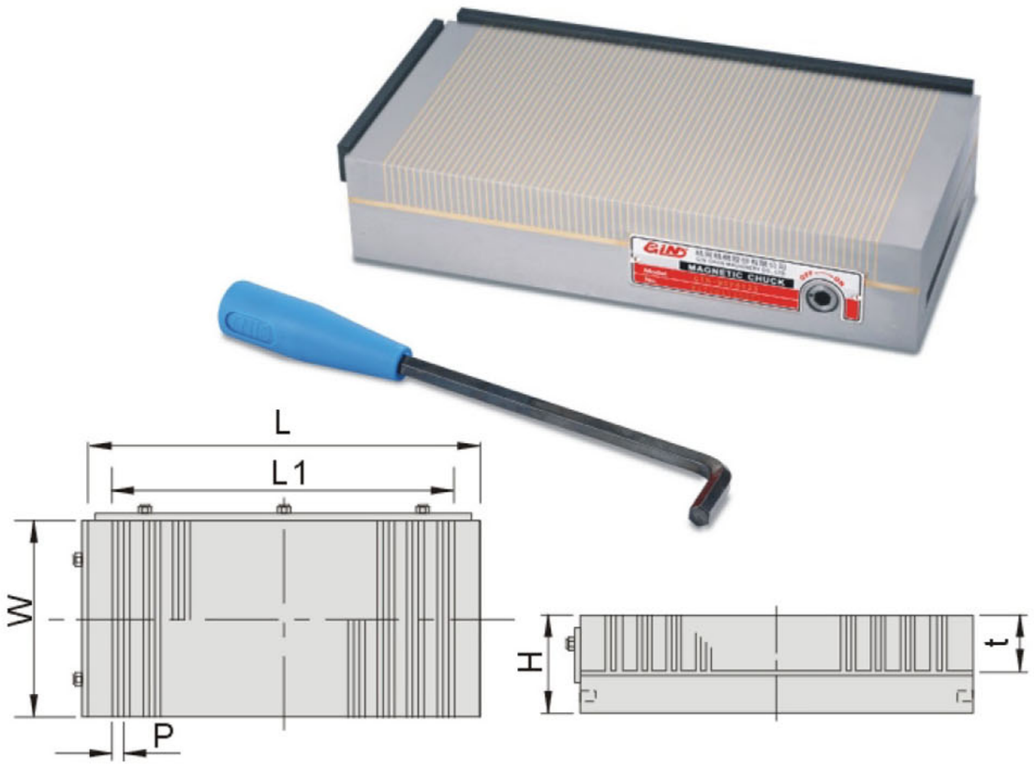
- Suitable for Tungsten and other metal materials which are difficult to hold.
- The top plate is hard-welded to ensure stability and accuracy.
- Magnetic force is up to 3500 gauss.
- On/Off switch design, turn 360°




Unit:mm

| Order No. | Model | Spec. | B | Be | Pitch | L1 | L2 | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54210-02 | HMTR-1010L | 105X105 | 105 | 50.0 | 11.2 (1.6+2+ 1.6+6) | 105 | 125 | 85 | 7.8kg |
| 54210-04 | HMTR-1313L | 125X125 | 125 | 72.4 | | 125 | 145 | 85 | 11kg |
| 54210-06 | HMTR-1320L | 125X200 | 125 | 72.4 | | 200 | 220 | 85 | 16.3kg |
| 54210-08 | HMTR-1515L | 150X150 | 150 | 94.8 | | 150 | 170 | 75 | 13.9kg |

## 54220 B Fine Pitch Permanent Magnetic Chuck




### Features :

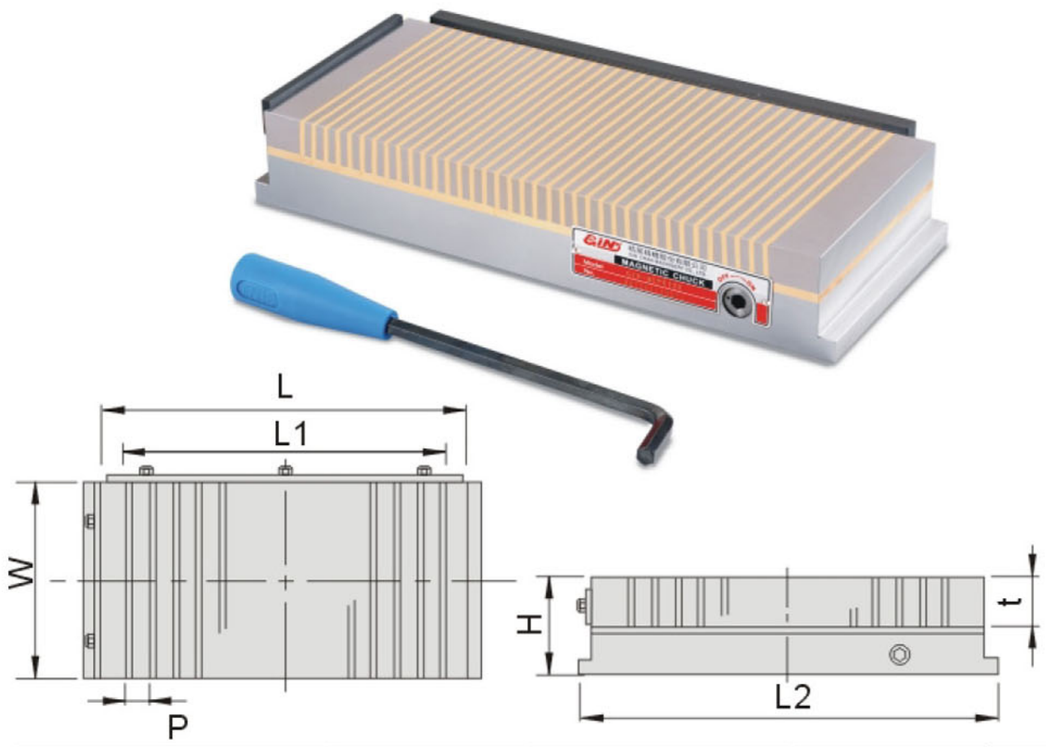
- Suitable for surface grinding and EDM machines.
- Suitable for holding big and thick workpieces.
- Overall sealed water resistance.
- High precision with strong magnetic force up to 16 kgf/cm$^2$.
- Thicker top plate is applied, extended lifecycle.
- Parallelism, flatness and squareness within 0.005mm/100mm.

Unit:mm

| Order No. | Model | Spec. | W | L | L1 | t | Pitch | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54220-02 | 407B | 100X175 | 100 | 175 | 139 | 20 | 1+3 | 52 | 8kg |
| 54220-04 | 510B | 125X250 | 125 | 250 | 212 | 20 | 1+3 | 52 | 14kg |
| 54220-06 | 612B | 150X300 | 150 | 300 | 256 | 20 | 1+3 | 60 | 21.9kg |
| 54220-08 | 614B | 150X350 | 150 | 350 | 306 | 20 | 1+3 | 60 | 25.6kg |
| 54220-09 | 616B | 150X400 | 150 | 400 | 356 | 20 | 1+3 | 60 | 30.5kg |
| 54220-10 | 618B | 150X450 | 150 | 450 | 400 | 20 | 1+3 | 60 | 33.8kg |
| 54220-12 | 816B | 200X400 | 200 | 400 | 356 | 20 | 1+3 | 60 | 38.3kg |
| 54220-14 | 818B | 200X450 | 200 | 450 | 400 | 20 | 1+3 | 60 | 42.8kg |
| 54220-16 | 820B | 200X500 | 200 | 500 | 450 | 20 | 1+3 | 60 | 50.0kg |



## 54230 E Normal Pitch Permanent Magnetic Chuck




### Features :

- Suitable for surface grinding and EDM machines.
- Suitable for holding big and thick workpieces.
- Overall sealed water resistance.
- High precision with strong magnetic force up to 16 kgf/cm$^2$.
- Thicker top plate is applied, extended lifecycle.
- Parallelism, flatness and squareness within 0.005mm/100mm.

Unit:mm

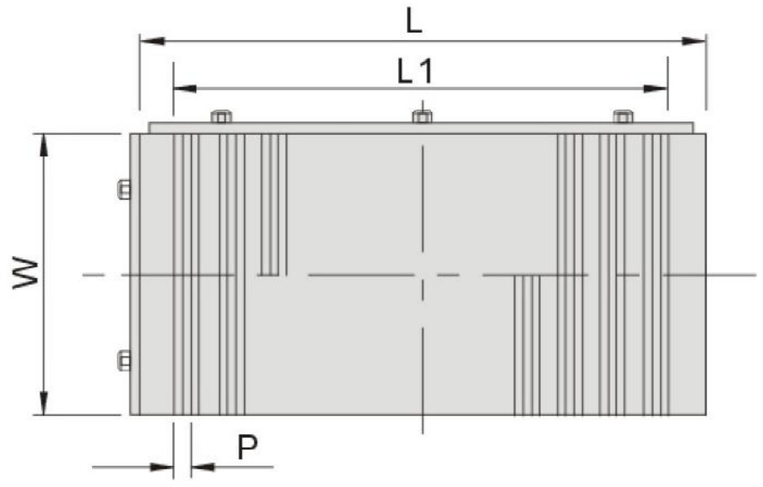
| Order No. | Model | Spec. | W | L | L1 | t | Pitch | L2 | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|
| 54230-02 | 407E | 100X175 | 100 | 175 | 139 | 20 | 2+4 | 191 | 50 | 7.00kg |
| 54230-04 | 510E | 125X250 | 125 | 250 | 212 | | | 266 | | 13.9kg |
| 54230-06 | 612E | 150X300 | 150 | 300 | 256 | | | 316 | | 17.5kg |
| 54230-08 | 614E | 150X350 | 150 | 350 | 306 | | | 366 | | 22.5kg |
| 54230-09 | 616E | 150X400 | 150 | 400 | 356 | | | 416 | | 25.9kg |
| 54230-10 | 618E | 150X450 | 150 | 450 | 400 | | | 466 | | 28.2kg |
| 54230-12 | 816E | 200X400 | 200 | 400 | 356 | | | 416 | | 32.5kg |
| 54230-14 | 818E | 200X450 | 200 | 450 | 400 | | | 466 | | 35.7kg |
| 54230-16 | 820E | 200X500 | 200 | 500 | 450 | | | 516 | | 42.0kg |

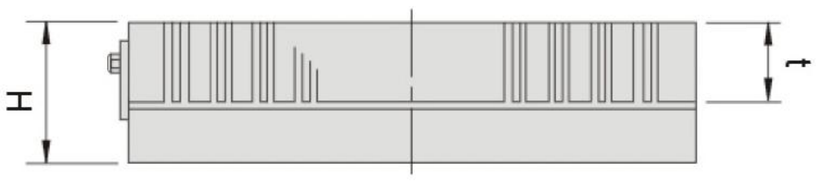
# 54240 V Micropitch Permanent Magnetic Chuck




## Features :

- Suitable for surface grinding and EDM machines.
- Suitable for holding small and thin workpieces.
- Overall sealed water resistance.
- High precision with strong magnetic force up to 16 kgf/cm$^2$.
- Thicker top plate is applied, extended lifecycle.
- Strong mag. force with high accuracy.




Unit:mm

| Order No. | Model | Spec. | W | L | L1 | t | Pitch | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| **54240-02** | 407V | 100X175 | 100 | 175 | 139 | 20 | 0.5+1.5 | 52 | 7.5kg |
| **54240-04** | 606V | 150X150 | 150 | 150 | 114 | 20 | | 52 | 9.7kg |
| **54240-06** | 510V | 125X250 | 125 | 250 | 212 | 20 | | 52 | 13kg |
| **54240-08** | 612V | 150X300 | 150 | 300 | 256 | 23 | | 60 | 21kg |
| **54240-10** | 614V | 150X350 | 150 | 350 | 306 | 23 | | 60 | 25.8kg |
| **54240-11** | 616V | 150X400 | 150 | 400 | 356 | 23 | | 60 | 32.6kg |
| **54240-12** | 618V | 150X450 | 150 | 450 | 400 | 23 | | 60 | 32.2kg |
| **54240-14** | 816V | 200X400 | 200 | 400 | 356 | 23 | | 60 | 39.0kg |
| **54240-16** | 818V | 200X450 | 200 | 450 | 400 | 23 | | 60 | 40.5kg |
| **54240-18** | 820V | 200X500 | 200 | 500 | 450 | 23 | | 60 | 47.7kg |

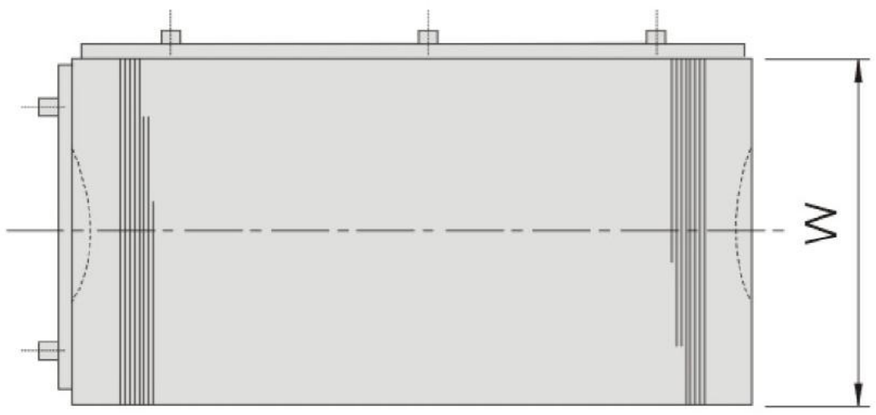
# 54250 W Powerful Micropitch Permanent Magnetic Chuck

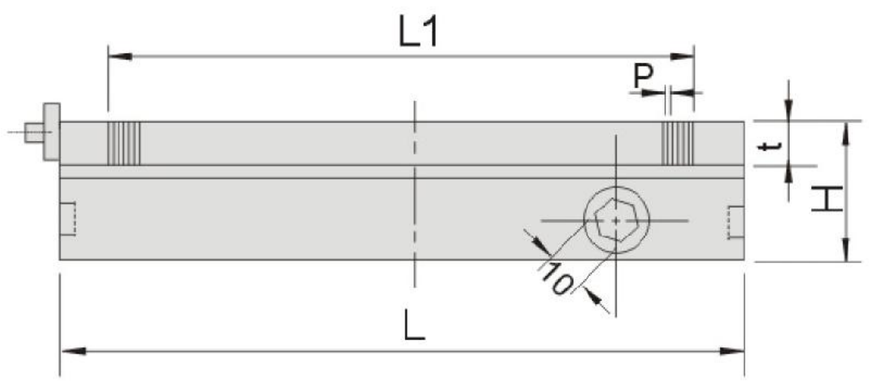





## Features :

- Suitable for surface grinding and EDM machines.
- Suitable for holding small and thin workpieces thanks its ideally designed pole pitch.
- While turning magnetic force ON/OFF, the flat face's accuracy remain the same and keep high precision processing surface.
- Brass welding protects faceplate from cutting fluid corrosion.
- Made of permanent magnet, with strong attraction and less remain magnetism.

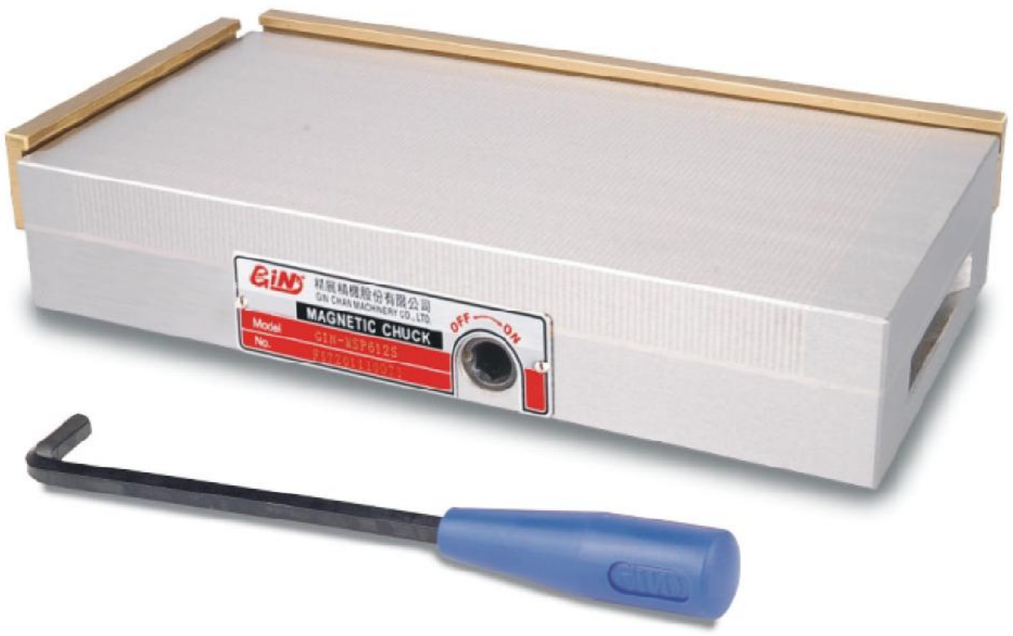



Unit:mm

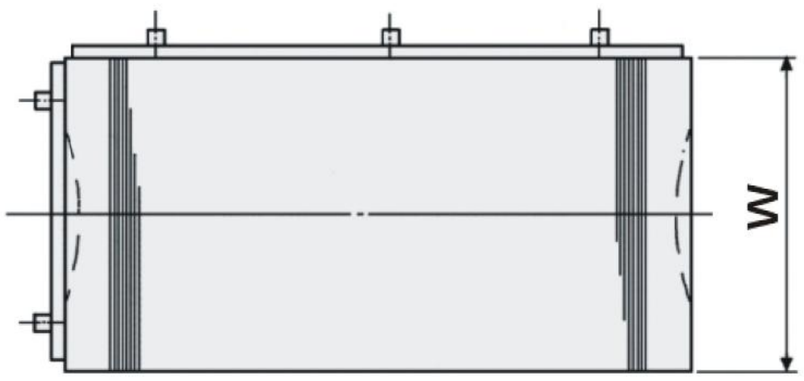
| Order No. | Model | Spec. | W | L | L1 | t | Pitch | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54250-02 | 407W | 100X175 | 100 | 175 | 139 | 20 | 2 (1+1) | 52 | 7.7kg |
| 54250-04 | 606W | 150X150 | 150 | 150 | 114 | | | | 10.0kg |
| 54250-06 | 510W | 125X250 | 125 | 250 | 212 | | | | 13.9kg |
| 54250-08 | 612W | 150X300 | 150 | 300 | 256 | | | 60 | 22.3kg |
| 54250-10 | 614W | 150X350 | | 350 | 306 | | | | 25.4kg |
| 54250-12 | 618W | 150X450 | | 450 | 400 | | | | 34.0kg |
| 54250-14 | 816W | 200X400 | 200 | 400 | 356 | | | | 38.4kg |
| 54250-16 | 818W | 200X450 | | 450 | 400 | | | | 45.0kg |
| 54250-18 | 820W | 200X500 | | 500 | 450 | | | | 48.3kg |

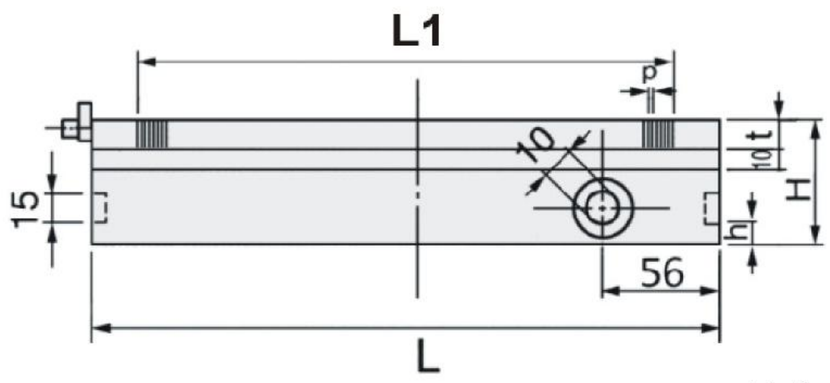
# 54260 VW Powerful Micropitch Permanent Magnetic Chuck




## Features :

- Suitable for surface grinding and EDM machines.
- Suitable for holding small and thin workpieces thanks its ideally designed pole pitch.
- While turning magnetic force ON/OFF, the flat face's accuracy remain the same and keep high precision processing surface.
- Brass welding protects faceplate from cutting fluid corrosion.
- Made of permanent magnet, with strong attraction and less remain magnetism.
- Stainless steel is applied for surface plate.
- Wear-resistance magnetic chuck.




Unit:mm

| Order No. | Model | Spec. | W | L | L1 | t | Pitch | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54260-01 | 305VW | 75x130 | 75 | 130 | 85 | 18 | stainless steel 1.4 (0.4+1) | 52 | 4.0kg |
| 54260-02 | 307VW | 75x175 | | 175 | 125 | | | | 5.5kg |
| 54260-03 | 312VW | 75x300 | | 300 | 246 | | | | 9.0kg |
| 54260-04 | 407VW | 100x175 | 100 | 175 | 125 | | | | 7.0kg |
| 54260-05 | 510VW | 125x250 | 125 | 250 | 205 | | | | 12.0kg |
| 54260-06 | 606VW | 150X150 | 150 | 150 | 110 | | | | 9.0kg |
| 54260-07 | 612VW | 150x300 | | 300 | 246 | | | 58 | 20.0kg |
| 54260-08 | 614VW | 150x350 | | 350 | 296 | | | | 24.0kg |
| 54260-09 | 616VW | 150x400 | | 400 | 346 | | | | 27.5kg |
| 54260-10 | 618VW | 150x450 | | 450 | 390 | | | | 31.0kg |
| 54260-11 | 816VW | 200x400 | 200 | 400 | 346 | | | | 37.0kg |
| 54260-12 | 818VW | 200x450 | | 450 | 390 | | | | 41.5kg |

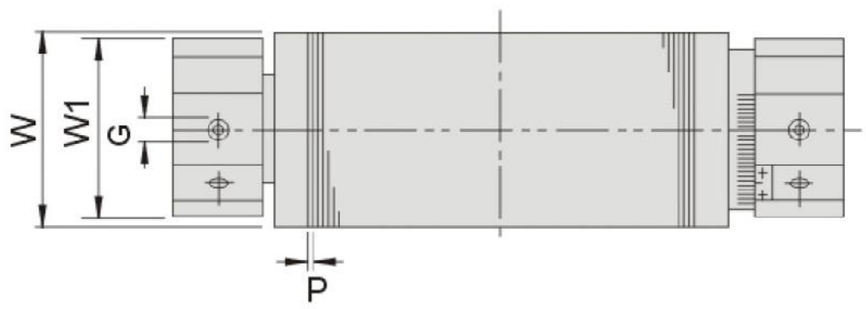
# 54300 U Rotary Permanent Magnetic Chuck

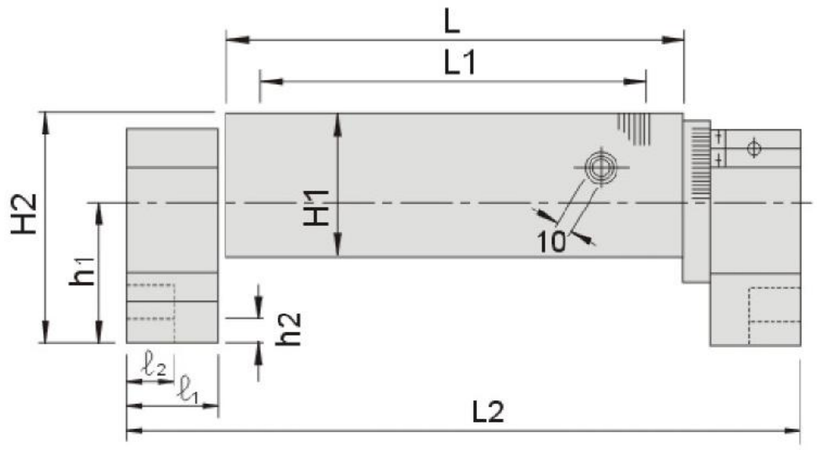
# 54310 UW Rotary Micropitch Permanent Magnetic Chuck




## Features :

- Suitable for angle grinding on surface grinding machine.
- Graduation can be read on rotary shaft and makes easier to angular grinding.
- Main body integrated with rotary shaft.
- Accuracy remained during ON/OFF changeover.
- Pole pitch are different in each model, thin, thick, small , large workpiece will be applied accordingly.




Unit:mm

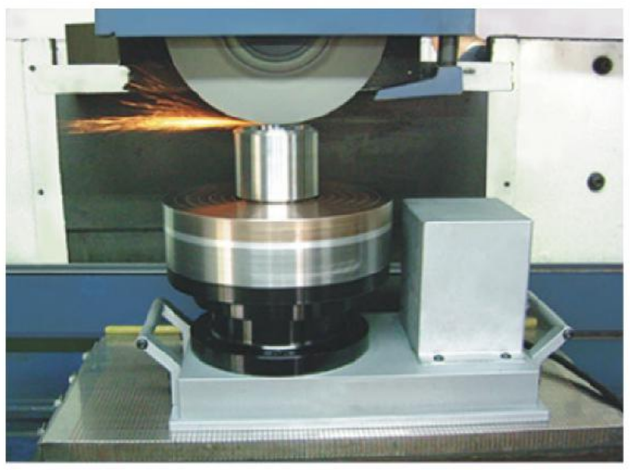
| Order No. | Model | Spec. | W | L | L1 | H1 | Pitch | L2 | W1 | ℓ1 | ℓ2 | G | h1 | h2 | H2 | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54300-07 | 407U | 100X175 | 100 | 175 | 125 | 78 | 4 (1+3) | 283 | 100 | 50 | 25 | 16 | 103 | 50 | 145 | 19kg |
| 54300-10 | 510U | 125X250 | 125 | 250 | 200 | | | 368 | | | | | | | | 29.5kg |
| 54300-12 | 612U | 150X300 | 150 | 300 | 246 | | | 418 | | | | | | | | 38.0kg |
| 54300-14 | 614U | 150X350 | | 350 | 296 | | | 468 | | | | | | | | 42.0kg |
| 54300-18 | 618U | 150X450 | | 450 | 396 | | | 568 | | | | | | | | 52.0kg |

Unit:mm

| Order No. | Model | Spec. | W | L | L1 | H1 | Pitch | L2 | W1 | ℓ1 | ℓ2 | G | h1 | h2 | H2 | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54310-07 | 407UW | 100X175 | 100 | 175 | 125 | 78 | 2 (0.5+1.5) | 283 | 100 | 50 | 25 | 16 | 103 | 50 | 145 | 21.0kg |
| 54310-10 | 510UW | 125X250 | 125 | 250 | 200 | | | 368 | | | | | | | | 30.0kg |
| 54310-12 | 612UW | 150X300 | 150 | 300 | 246 | | | 418 | | | | | | | | 38.5kg |
| 54310-14 | 614UW | 150X350 | | 350 | 296 | | | 468 | | | | | | | | 42.5kg |
| 54310-18 | 618UW | 150X450 | | 450 | 396 | | | 568 | | | | | | | | 52.5kg |

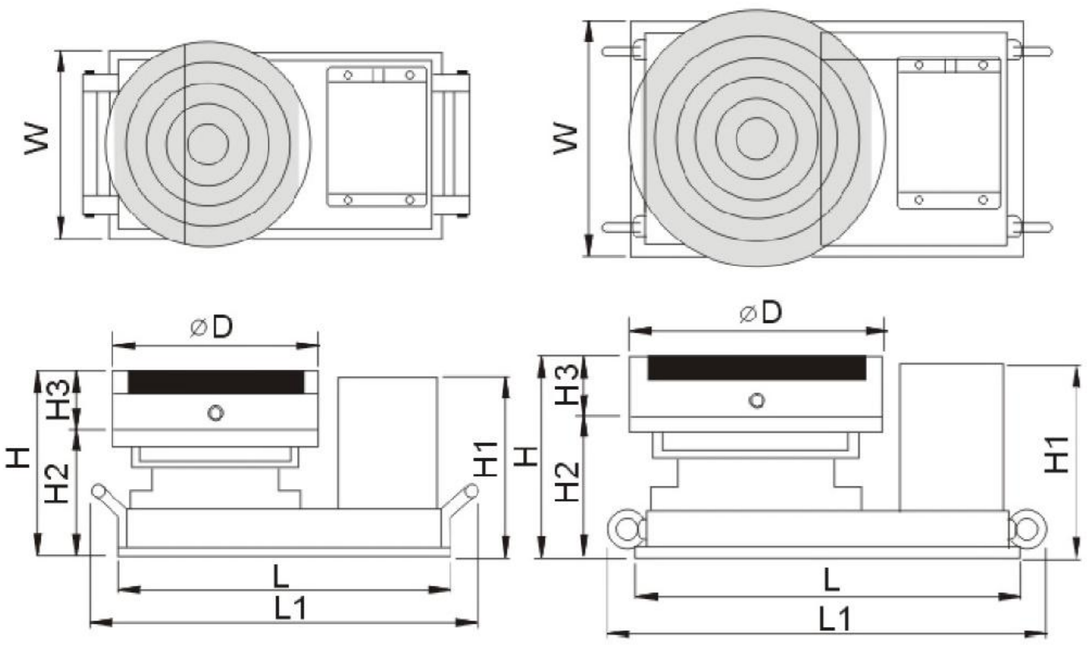
# 54320 RD Precision Adjustment Rotary Magnetic Chuck



## Features :

- Suitable for surface grinding machines with easy installation and dismantle.
- Suitable for processing round shape workpiece such as spacer or spindle washer.
- By rotary grinding, less time-consuming, high efficiency and precision.
- Rotary speed can be adjusted depending on the workpiece is processing.
- High grinding accuracy within 0.001mm / 100mm
- Adopting high quality bearings in structure to ensure precision spindle and durability.
- Adopting speed control motor of Oriental Motor, precise, smooth and durable.
- IP55 water resistance, prevent from damp and increase lifecycle.
- 90W ~ 400W speed control motor.
- Magnetic Chuck surface flatness within 0.002mm.
- Rotary loading speed variation rate is within ±2%
- Voltage: 110v / 220v 50/60Hz




Unit:mm

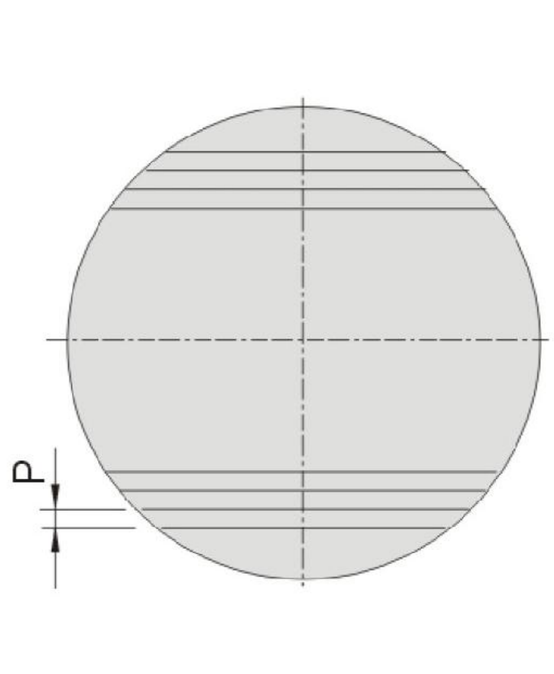
| Order No. | Model | L | L1 | W | H | H1 | H2 | H3 | D | Volts IPH | Motor Ratio | R.P.M /min | Mass Kg/cm | Load | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54320-02 | RD130-110 | 228 | 265 | 130 | 170 | 148 | 103 | 52 | 130 | 110V | 60W 1:10 | 50~300 | 2.8 | 10kg | 12kg |
| 54320-04 | RD130-220 | 228 | 265 | 130 | 170 | 148 | 103 | 52 | 130 | 220V | 60W 1:10 | 50~300 | 3.0 | 12kg | 12kg |
| 54320-06 | RD160-110 | 280 | 325 | 138 | 153 | 146 | 103 | 50 | 160 | 110V | 75W 1:15 | 25~200 | 30 | 15kg | 28kg |
| 54320-08 | RD160-220 | 280 | 325 | 138 | 153 | 146 | 103 | 50 | 160 | 220V | 75W 1:15 | 25~200 | 30 | 15kg | 28kg |
| 54320-10 | RD200-110 | 325 | 370 | 176 | 180 | 177 | 122 | 58 | 200 | 110V | 120W 1:20 | 15~150 | 58 | 22kg | 46kg |
| 54320-12 | RD200-220 | 325 | 370 | 176 | 180 | 177 | 122 | 58 | 200 | 220V | 120W 1:20 | 15~150 | 58 | 22kg | 46kg |
| 54320-14 | RD250-220 | 376 | 442 | 218 | 190 | 183 | 132 | 58 | 250 | 220V | 200W 1:20 | 12~125 | 116 | 30kg | 64kg |
| 54320-16 | RD300-220 | 424 | 490 | 244 | 207 | 186 | 144 | 63 | 300 | 220V | 200W 1:20 | 12~125 | 116 | 40kg | 88kg |
| 54320-18 | RD400-220 | 540 | 606 | 342 | 228 | 220 | 165 | 63 | 400 | 220V | 400W 1:20 | 12~125 | 160 | 60kg | 155kg |

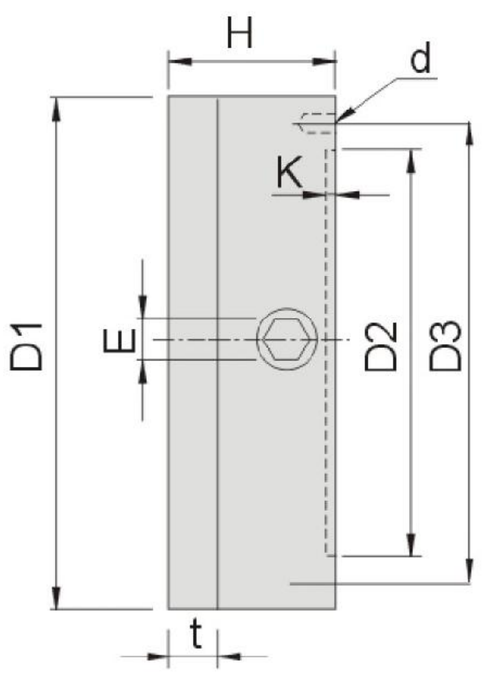
# 54330 FCD Round Fine Pitch Permanent Magnetic Chuck




## Features :

- Suitable for surface grinding machine.
- Suitable for holding large workpieces.
- Overall sealed water resistance.
- High precision with strong magnetic force up to 13 kgf/cm$^2$.




Unit:mm

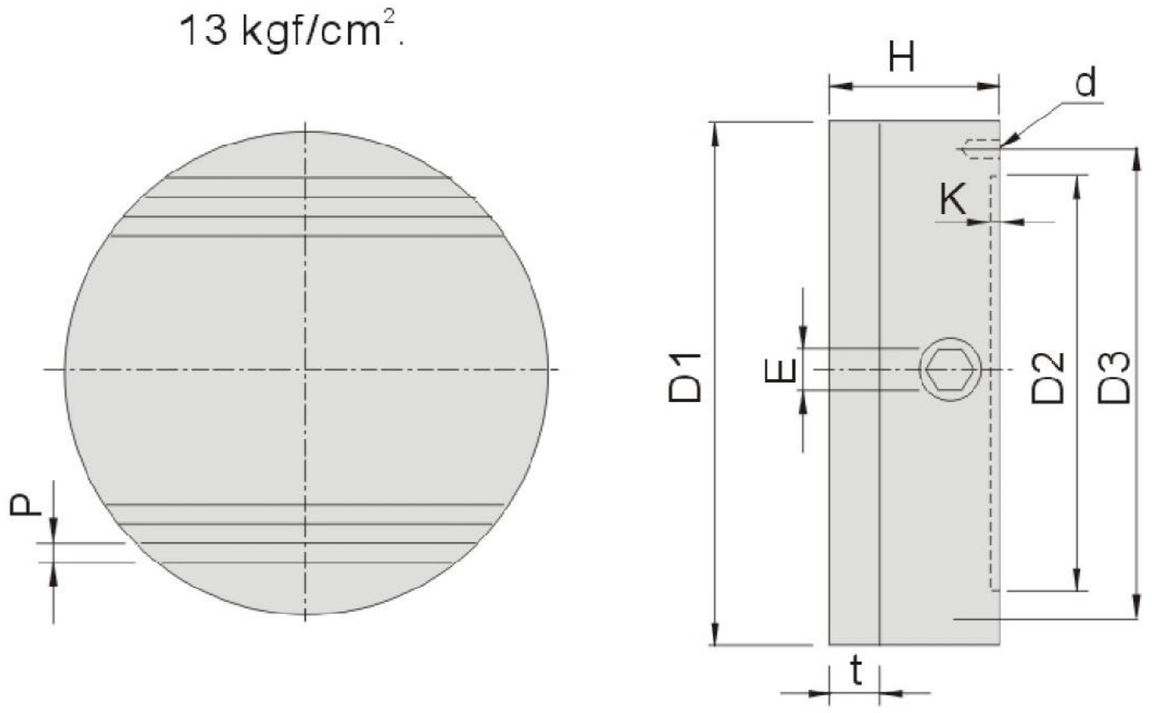
| Order No. | Model | D1 | t | Pitch | D2 | D3 | K | d | E | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **54330-100** | FCD100 | 100 | 10 | 4 (1+3) | 60 | 85 | 4 | 4-M6 | 8 | 52 | 3.15kg |
| **54330-130** | FCD130 | 130 | | | 90 | 115 | 4 | 4-M8 | | | 4.9kg |
| **54330-150** | FCD150 | 150 | | | 110 | 132 | 4 | | | | 6.7kg |
| **54330-160** | FCD160 | 160 | | | 120 | 140 | 4 | | | | 7.7kg |
| **54330-200** | FCD200 | 200 | | | 160 | 180 | 5 | | | | 12.5kg |
| **54330-250** | FCD250 | 250 | | | 200 | 225 | 5 | 4-M10 | | | 19.5kg |
| **54330-300** | FCD300 | 300 | | | 230 | 280 | 5 | | | | 28.5kg |
| **54330-350** | FCD350 | 350 | | | 230 | 311 | 5 | | | | 39kg |
| **54330-405** | FCD405 | 405 | | | 230 | 380 | 5 | | | | 52kg |

# 54340 MCD Round Micro Pitch Permanent Magnetic Chuck




## Features :

- Suitable for surface grinding machine.
- Suitable for holding large workpieces.
- Overall sealed water resistance.
- High precision with strong magnetic force up to 13 kgf/cm$^2$.




Unit:mm

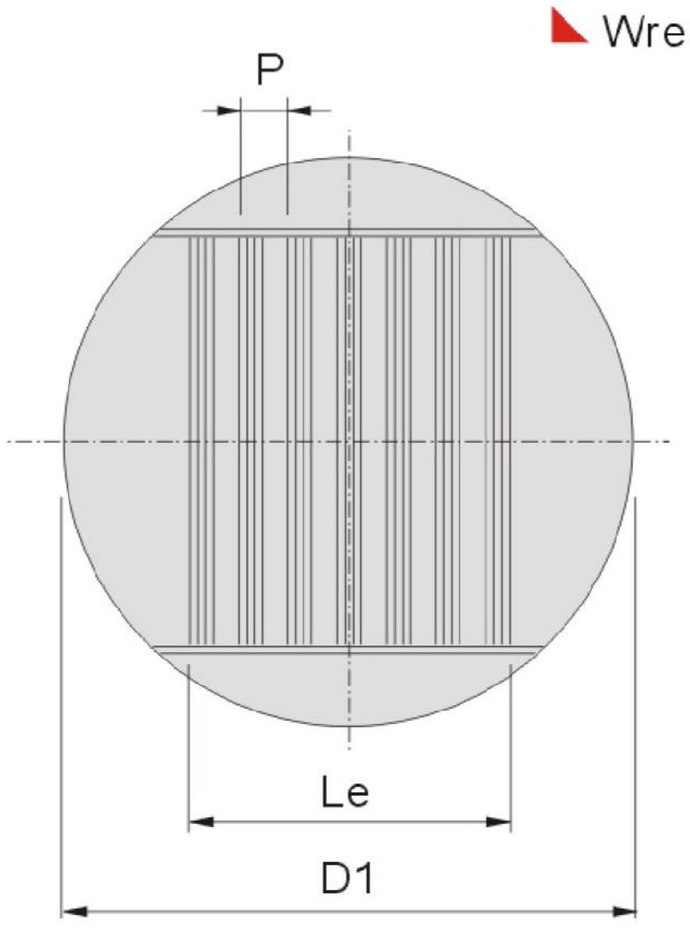
| Order No. | Model | D1 | t | Pitch | D2 | D3 | K | d | E | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **54340-100** | MCD100 | 100 | 10 | 0.5+1.5 | 60 | 85 | 4 | 4-M6 | 8 | 52 | 3.1kg |
| **54340-130** | MCD130 | 130 | | | 90 | 115 | 4 | 4-M8 | | | 4.7kg |
| **54340-150** | MCD150 | 150 | | | 110 | 132 | 4 | | | | 6.7kg |
| **54340-160** | MCD160 | 160 | | | 120 | 140 | 4 | | | | 7.6kg |
| **54340-200** | MCD200 | 200 | | | 160 | 180 | 5 | | | | 11.6kg |
| **54340-250** | MCD250 | 250 | | | 200 | 225 | 5 | 4-M10 | | | 17.8kg |
| **54340-300** | MCD300 | 300 | | | 230 | 280 | 5 | | | | 29.0kg |
| **54340-350** | MCD350 | 350 | | | 230 | 311 | 5 | | | | 39.0kg |
| **54340-405** | MCD405 | 405 | | | 230 | 380 | 5 | | | | 52.0kg |

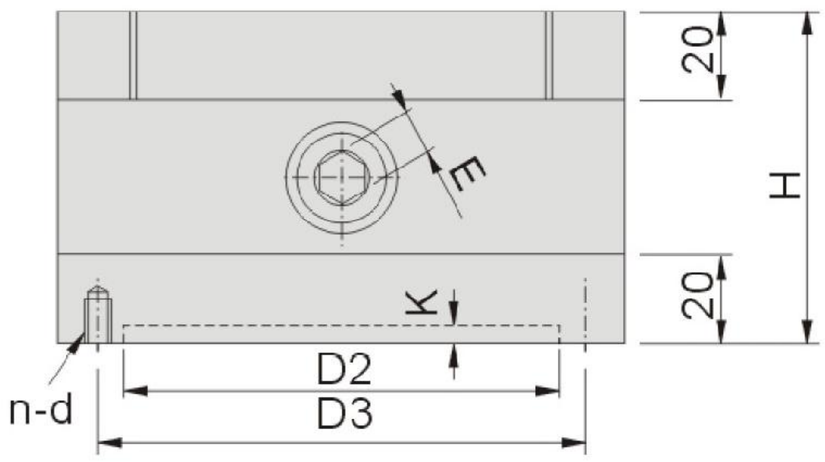
# 54350 HMTR Powerful Circular Type Permanent Magnetic Chuck



## Features :

- Suitable for Lathe, 4th axis CNC and diameter grinding machines.
- Suitable for holding workpieces of special alloy material such as Tungsten.
- Special design with ON/OFF structure, superb performance.
- High precision with strong magnetic force up to 3 times than general magnetic chuck.
- Wrench apply 360° rotary.

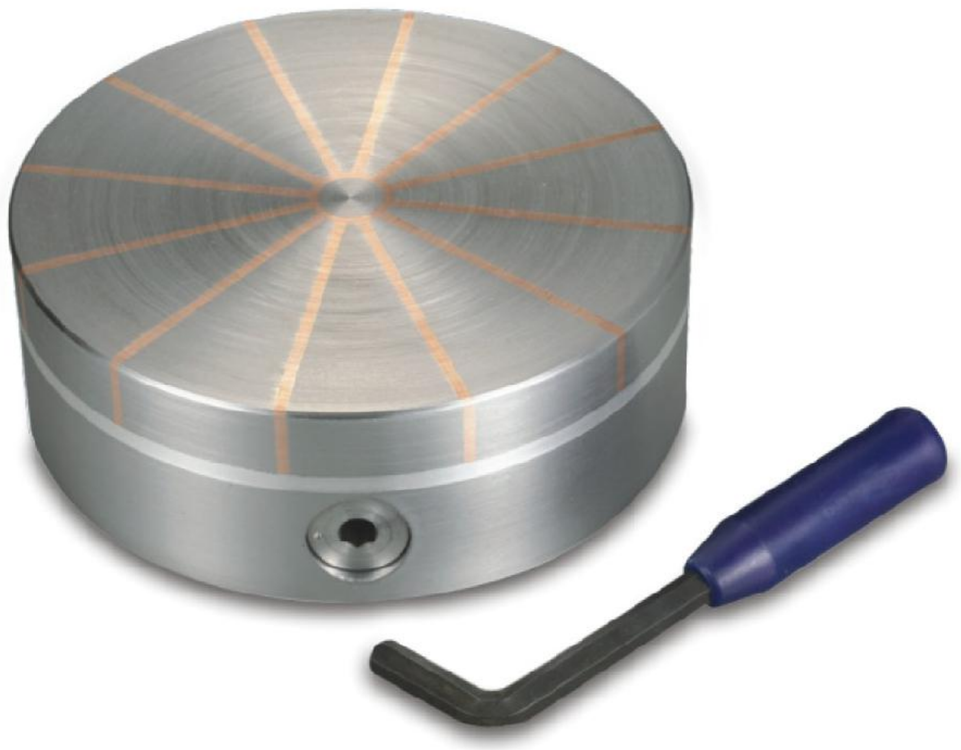



Unit:mm

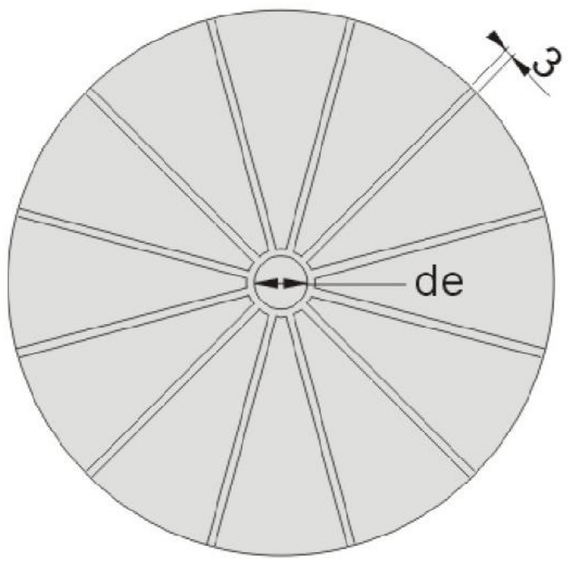
| Order No. | Model | D1 | Le | Pitch | D2 | D3 | K | n-d | E | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 54350-13 | HMTR-13 | 130 | 78 | 11.2 (1.6+2+ 1.6+6) | 100 | 112 | 4 | 4xM6 | 10 | 75 | 6.5kg |
| 54350-16 | HMTR-16 | 160 | 100 | | 125 | 140 | 4 | 4xM8 | | | 9.8kg |
| 54350-20 | HMTR-20 | 200 | 128 | | 160 | 180 | 4 | 4xM8 | | | 15kg |

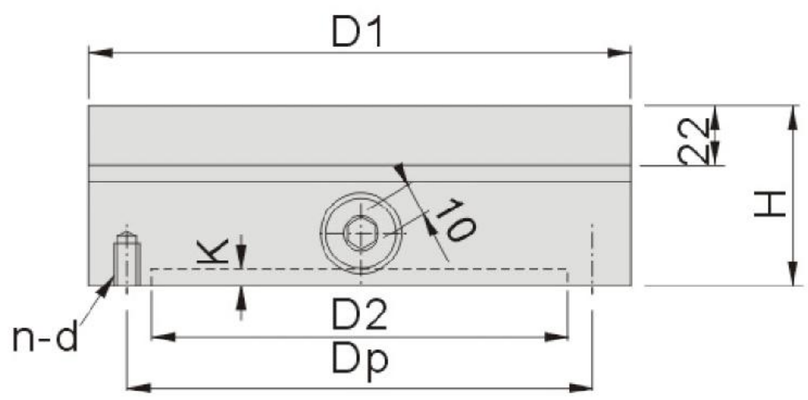
# 54360 HRCS Round Star-pole Type Permanent Magnetic Chuck



## Features :

- Suitable for Lathe, Milling, Rotary grinding machines...tc.
- Powerful and well spread magnetic force, stable and no distortion.
- Durable and wear-resistance design with great water resistance.




Unit:mm

| Order No. | Model | Spec. | D1 | de | Pole q'ty | D2 | K | n | d | Dp | H | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **54360-02** | HRCS-10 | 104X63 | 104 | 16 | 8 | 60 | 4 | M6 | 4 | 80 | 63 | 4.2kg |
| **54360-04** | HRCS-13 | 130X63 | 130 | | | 80 | | | | 112 | | 6.6kg |
| **54360-06** | HRCS-16 | 162X63 | 162 | | 12 | 125 | | M8 | | 140 | | 10.2kg |
| **54360-08** | HRCS-20 | 202X68 | 202 | 19 | | 160 | | | | 178 | 68 | 17.1kg |
| **54360-10** | HRCS-25 | 250X68 | 250 | | | 200 | | M10 | | 224 | | 26.2kg |
| **54360-12** | HRCS-32 | 320X68 | 320 | | 16 | 250 | | | | 280 | | 43.2kg |
| **54360-14** | HRCS-36 | 360X68 | 360 | | | 280 | | M12 | | 320 | | 55.0kg |
| **54360-16** | HRCS-40 | 400X68 | 400 | | | 315 | | | | 355 | | 67.0kg |

# Magnetic Chuck

## 54520 GMVS Magnetic Work Block

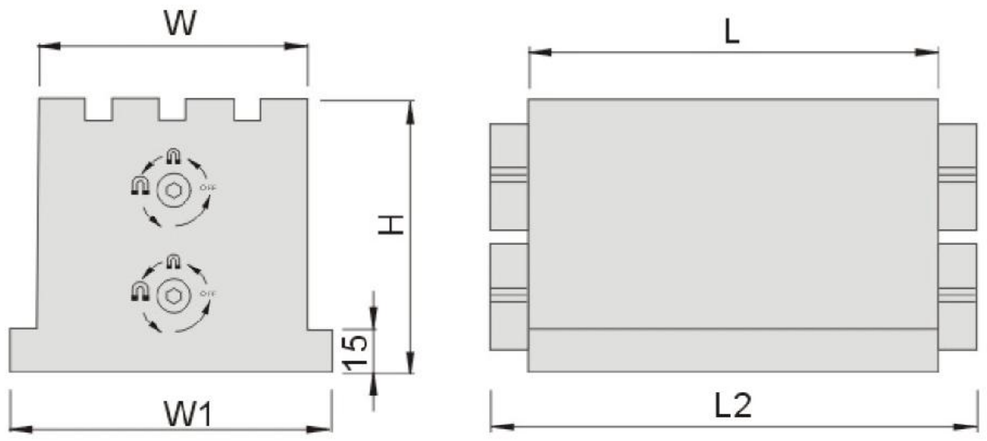
## 54530 GMVSD Magnetic Work Block



GMV-S



GMV-SD




## Features :

- New design GMW series reduce the attraction of the iron chips by widen the distance between pole pitch, and also disperse operation torque.
- Two stages switch of heavy and light attraction application for facilitating position adjustment or precision milling and grinding processing.
- GMV-S as single face attraction, GMV-SD with do uble face attraction.
- GMV-S is applied for fixed-position processing of workpieces, by applying clamping plate to achieve better attraction.
- GMV-SD has features that top & bottom surface are manipulated individually, by applying magnetic force to hold on workstation thus save time for conventional screw-lock installation.
- GMV series has replaceable Medium Carbide Steel magnetic poles which applied when processing milling, drilling etc...

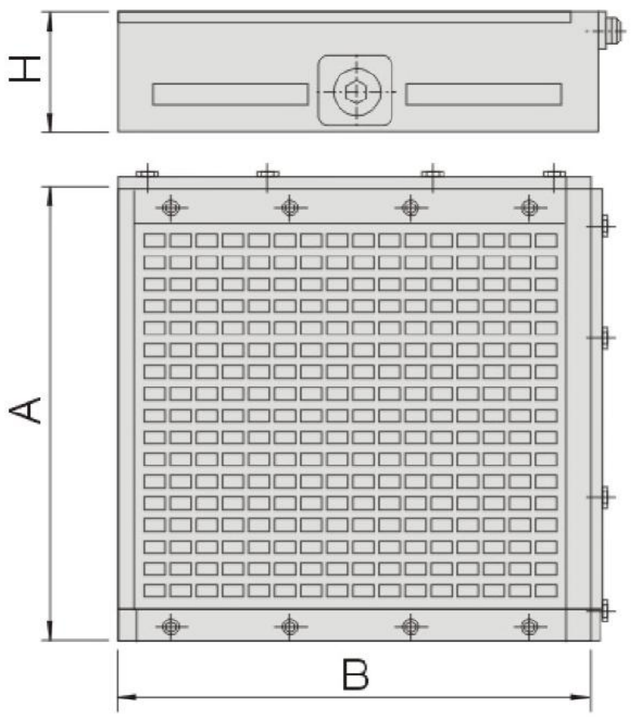
Unit:mm

| Order No. | Model | L | W | L | W1 | H | L2 | Max. Clamping | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| 54520-02 | GMV-3S | 165 | 132 | 165 | 160 | 80 | 230 | 900kgf | 15kg |
| 54520-04 | GMV-6S | 230 | 160 | 230 | 195 | 100 | 303 | 1900kgf | 25kg |
| 54530-02 | GMV-3SD | 165 | 132 | 165 | 160 | 150 | 230 | 900kgf | 32kg |
| 54530-04 | GMV-6SD | 230 | 160 | 230 | 195 | 180 | 303 | 1900kgf | 53kg |

| Order No. | Model | Distance | | | | Min. Thickness |
|---|---|---|---|---|---|---|
| | |  | |  | | |
| | | Max. | Min. | Max. | Min. | |
| 54520-02 | GMV-3S | 300 | 30 | 500 | 60 | 20 |
| 54520-04 | GMV-6S | 500 | 60 | 950 | 100 | 25 |
| 54530-02 | GMV-3SD | 300 | 30 | 500 | 60 | 20 |
| 54530-04 | GMV-6SD | 500 | 60 | 950 | 100 | 25 |

# 54540 PMC Powerful Permanent Magnetic Chuck(GRID)




## Features :

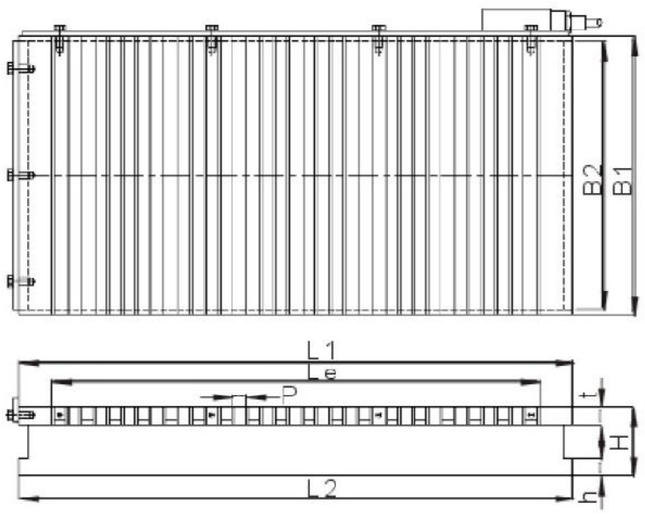
- Fulfill the high precision and efficiency required by machining center, CNC milling machines
- With superb work efficiency, stable magnetic force and 5-axis processing applicable, normally time saving almost 70% ~ 80%.
- Square poles combination with density and powerful force, high precision workpieces can be achieved while inner stress during processing.
- Powerful attraction can hold least thickness 2mm above for processing.
- Environmental safe and simple operation.

Unit:mm

| Order No. | Model | A | B | H | Square Pole Size | Q'ty of Poles | KN | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54540-02** | PMC-2040 | 200 | 400 | 56 | | 136 | >25 | 30kg |
| **54540-04** | PMC-3040 | 300 | 420 | 60 | | 165 | >35 | 45kg |
| **54540-06** | PMC-3030 | 300 | 300 | 92 | | 132 | >25.6 | 55kg |
| **54540-08** | PMC-4040 | 400 | 400 | 92 | | 240 | >46.6 | 94kg |
| **54540-10** | PMC-4050 | 400 | 500 | 92 | | 300 | >58.2 | 110kg |
| **54540-12** | PMC-3060 | 300 | 600 | 92 | 18x18 | 264 | >55 | 80kg |
| **54540-14** | PMC-3040A | 300 | 400 | 92 | | 176 | >34.1 | 55kg |
| **54540-16** | PMC-5050 | 500 | 500 | 92 | | 400 | >77.6 | 113kg |
| **54540-18** | PMC-4060 | 400 | 600 | 92 | | 360 | >69.8 | 115kg |
| **54540-20** | PMC-4080 | 400 | 800 | 112 | | 480 | >93 | 200kg |
| **54540-22** | PMC-50100 | 500 | 1000 | 112 | | 800 | > 155.2 | 220kg |

# 54550 EPM-B Standard Type Electro-Permanent Magnetic Chuck






## Features :

- Suitable for light and long period processing. 1.5 seconds for switch ON and OFF, increase efficiency.
- Safety increase, avoiding magnetic force lost when power cut.
- No electricity capacity, power off after attraction can still remain attraction, eco and no heat generated. Distortion free and lead high precision and long lifecycle.
- Several water resistance method increase water resistance level.
- Effective for thin and small workpieces applied
- Demagnetizer controller is an optional accessory.

Unit:mm

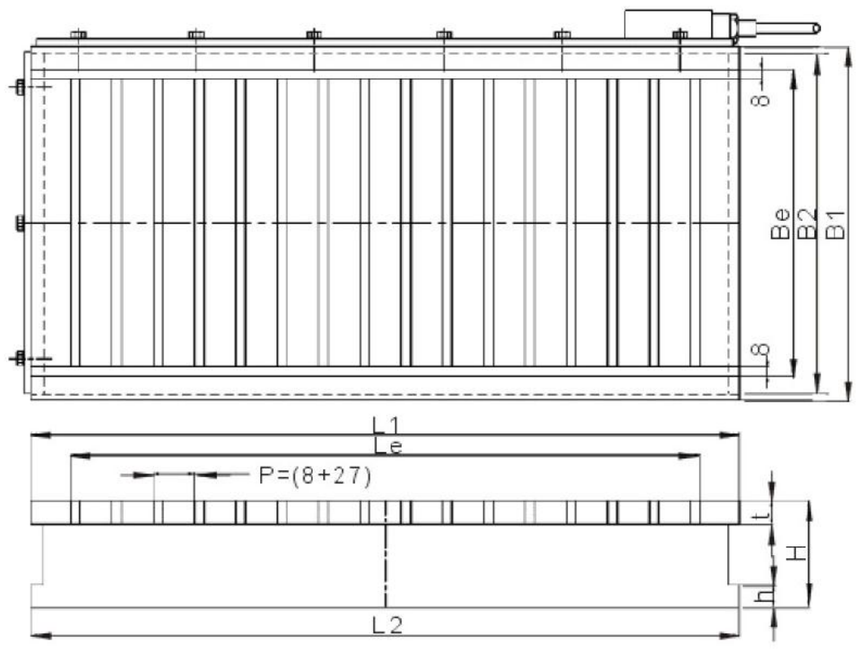
| Order No. | Model | Spec. | B1 | L1 | Le | t | Pitch | B2 | L2 | h | H | N.W. | Controller |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **54550-02** | EPM-1530B | 150X300 | 150 | 300 | 258 | 20 | 15(3+12) | 146 | 300 | 20 | 75 | 20kg | EPM-30S |
| **54550-04** | EPM-1535B | 150X350 | | 350 | 288 | | | | 350 | | | 24kg | |
| **54550-06** | EPM-1540B | 150X400 | | 400 | 348 | | | | 400 | | | 28kg | |
| **54550-08** | EPM-1545B | 150X450 | | 450 | 408 | | | | 450 | | | 30kg | |
| **54550-10** | EPM-2040B | 200X400 | 200 | 400 | 348 | | | 196 | 400 | | | 38kg | |
| **54550-12** | EPM-2045B | 200X450 | | 450 | 408 | | | | 450 | | | 41kg | |
| **54550-14** | EPM-2050B | 200X500 | | 500 | 438 | | | | 500 | | | 45kg | |
| **54550-16** | EPM-2550B | 250X500 | 250 | 500 | 438 | | | 240 | | | | 65kg | |
| **54550-18** | EPM-3060B | 300X600 | 300 | 600 | 528 | | | 290 | 600 | | | 81kg | |
| **54550-20** | EPM-4080B | 400X800 | 400 | 800 | 736 | 25 | 19(3+16) | 390 | 800 | | 95 | 195kg | |
| **54550-22** | EPM-40100B | 400X1000 | | 1000 | 924 | | | | 1000 | | | 245kg | |
| **54550-24** | EPM-50100B | 500X1000 | 500 | 1000 | 924 | | | 490 | | | | 305kg | |
| **54550-26** | EPM-50150B | 500X1500 | | 1500 | 1429 | | | | 1500 | | | 457kg | |
| **54550-28** | EPM-60100B | 600X1000 | 600 | 1000 | 924 | | | 590 | 1000 | | | 366kg | |
| **54550-30** | EPM-60150B | 600X1500 | | 1500 | 1429 | | | | 1500 | | | 550kg | |

# 54560 EPM-E Super Powerful Electro-Permanent Magnetic Chuck



## Features :

- Suitable for CNC machine center, Milling machine, Plano Miller etc...
- Suitable for long period processing needs
- Face plate apply brazing in order to stable accuracy.
- Demagnetizer controller is an optional accessory.




Unit:mm

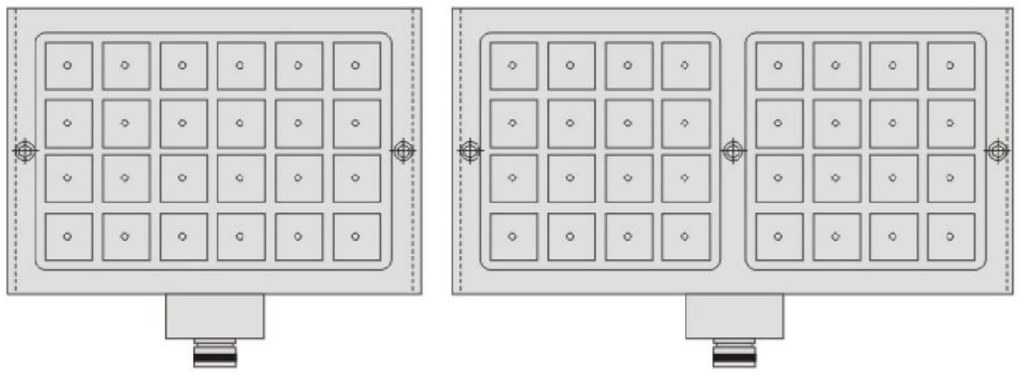
| Order No. | Model | Spec. | B1 | Be | L1 | Le | t | Pitch | B2 | L2 | h | H | N.W. | Controller |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **54560-02** | EPM-2050E | 200X500 | 200 | 164 | 500 | 437 | 20 | 35 (8+27) | 196 | 520 | 20 | 90 | 67kg | EPM-30S |
| **54560-04** | EPM-2550E | 250X500 | 250 | 214 | | | | | 246 | 520 | | | 84kg | |
| **54560-06** | EPM-3060E | 300X600 | 300 | 260 | 600 | 533 | | | 296 | 620 | | | 120kg | |
| **54560-08** | EPM-4040E | 400X400 | 400 | 360 | 400 | 323 | | | 396 | 420 | | | 107kg | |
| **54560-10** | EPM-4050E | 400X500 | | | 500 | 437 | | | | 520 | | | 134kg | |
| **54560-12** | EPM-4080E | 400X800 | | | 800 | 743 | | | | 820 | | | 214kg | |
| **54560-14** | EPM-40100E | 400X1000 | | | 1000 | 931 | | | | 1020 | | | 268kg | |
| **54560-16** | EPM-5050E | 500X500 | 500 | 460 | 500 | 437 | | | 496 | 520 | | | 168kg | |
| **54560-18** | EPM-50100E | 500X1000 | | | 1000 | 931 | | | | 1020 | | | 335kg | |
| **54560-20** | EPM-50150E | 500X1500 | | | 1500 | 1443 | | | | 1520 | | 95 | 500kg | |
| **54560-22** | EPM-6060E | 600X600 | 600 | 560 | 600 | 533 | | | 596 | 620 | | | 198kg | |
| **54560-24** | EPM-60100E | 600X1000 | | | 1000 | 931 | | | | 1020 | | | 400kg | |
| **54560-26** | EPM-60150E | 600X1500 | | | 1500 | 1443 | | | | 1520 | | | 600kg | |

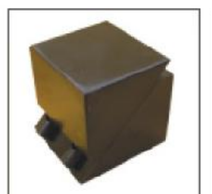
# 54600 EPM Electricity Controls Permanent Magnetic Chuck



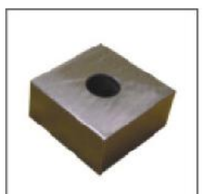
## Features :

- Magnetic force up to 1000 KG/100cm$^2$.
- Electrical control structure; 2 seconds for switch NO & OFF, no heat generated while long period application avoiding distortion and keep within accuracy.
- With application of Spring Block, 5-faces processing can be done with drill, tapping, milling, increase work efficiency and improve repeating accuracy.
- Suitable for medium size workpiece and rough workpieces processing.
- Suitable for small workpiece on drilling and fine processing.
- Thickness required at least 10mm.
- Best application is that at least 4 poles contact with worpieces.
- With application of Fixed Block, irregular and surface bending workpieces can be clamped for processing.
- Controller weights 10kgs and 15kgs depending on the models

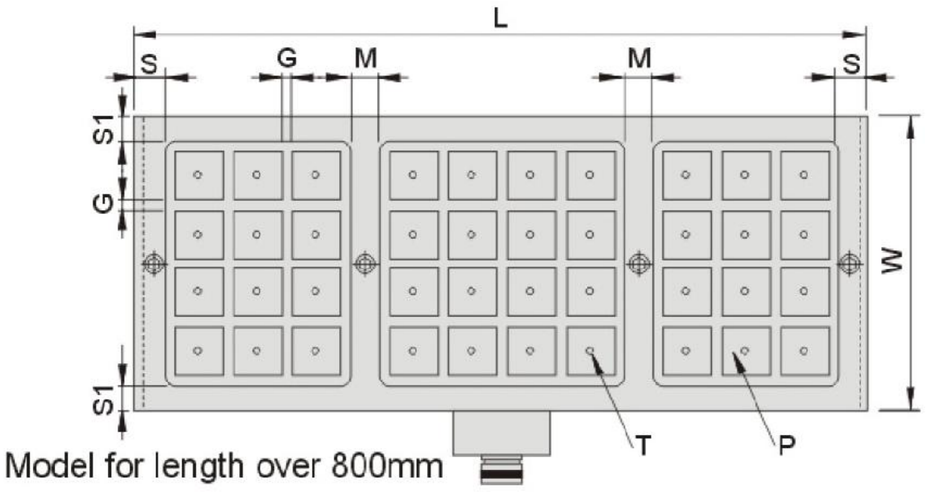




Spring Block



Fixed Black




Model for length over 800mm



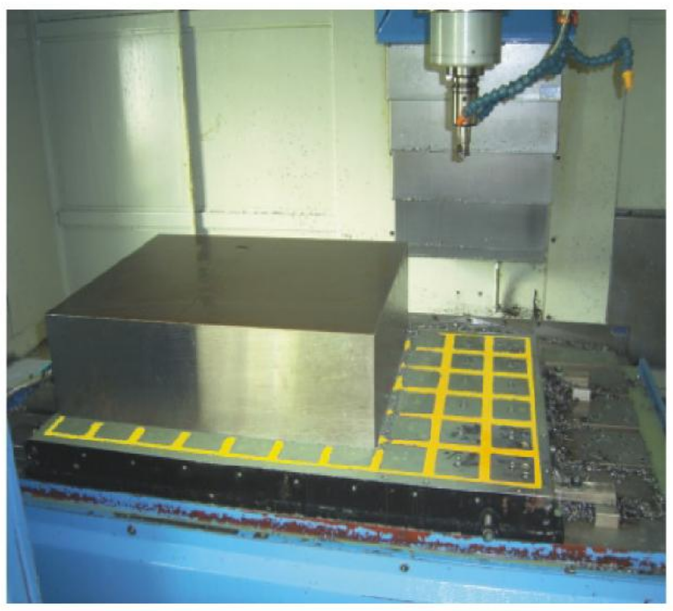
Please use the triangle as the basis point when installing the fixed blocks.

Unit:mm

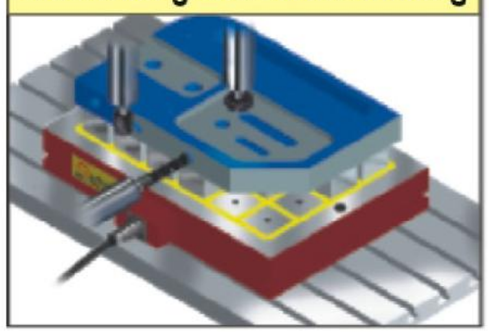
| Order No. | Model | W | L | S | S1 | M | T | Height | G | Pitch | Pole Q'ty | Volt | Current AMP | Controller (kg) | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54600-02 | EPM2540W | 240 | 430 | | | -- | | | | | 18 | | 18 | | 42kg |
| 54600-04 | EPM2560W | 240 | 590 | | | 30 | | | | | 24 | | 24 | | 63kg |
| 54600-06 | EPM2580W | 240 | 750 | | | 30 | | | | | 30 | | 30 | | 84kg |
| 54600-08 | EPM2590W | 240 | 870 | | | 30 | | | | | 36 | | 36 | | 94kg |
| 54600-10 | EPM25100W | 240 | 990 | | | 30 | | | | | 42 | | 40 | | 105kg |
| 54600-12 | EPM3030W | 300 | 310 | | | -- | | | | | 16 | | 16 | | 38kg |
| 54600-14 | EPM3040W | 300 | 430 | | | -- | | | | | 24 | | 24 | | 51kg |
| 54600-16 | EPM3060W | 300 | 590 | | | 30 | | | | | 32 | | 28 | 10 | 76kg |
| 54600-18 | EPM3080W | 300 | 750 | | | 30 | | | | | 40 | | 32 | | 102kg |
| 54600-20 | EPM3090W | 300 | 870 | | | 30 | | | | | 48 | | 40 | | 115kg |
| 54600-22 | EPM30100W | 300 | 990 | | | 30 | | | | | 56 | | 40 | | 127kg |
| 54600-24 | EPM4040W | 420 | 430 | | | -- | | | | | 36 | | 18 | | 68kg |
| 54600-26 | EPM4050W | 430 | 480 | | | -- | | | | | 42 | | 26 | | 84kg |
| 54600-28 | EPM4060W | 420 | 590 | 30 | 25 | 30 | M8 | 70 | 10 | 50x50 | 48 | AC 220V | 24 | | 102kg |
| 54600-30 | EPM4080W | 420 | 800 | | | 30 | | | | | 60 | | 30 | | 135kg |
| 54600-32 | EPM4090W | 420 | 870 | | | 30 | | | | | 72 | | 36 | | 152kg |
| 54600-34 | EPM40100W | 420 | 990 | | | 30 | | | | | 84 | | 40 | | 168kg |
| 54600-36 | EPM5060W | 480 | 590 | | | 30 | | | | | 56 | | 28 | | 126kg |
| 54600-38 | EPM5080W | 480 | 750 | | | 30 | | | | | 70 | | 35 | | 168kg |
| 54600-40 | EPM5090W | 480 | 870 | | | 30 | | | | | 84 | | 40 | 15 | 189kg |
| 54600-42 | EPM50100W | 480 | 990 | | | 30 | | | | | 98 | | 50 | | 210kg |
| 54600-44 | EPM6060W | 600 | 590 | | | 30 | | | | | 72 | | 36 | | 152kg |
| 54600-46 | EPM6080W | 600 | 750 | | | 30 | | | | | 90 | | 40 | | 203kg |
| 54600-48 | EPM6090W | 600 | 870 | | | 30 | | | | | 108 | | 45 | | 227kg |
| 54600-50 | EPM60100W | 600 | 990 | | | 30 | | | | | 126 | | 50 | | 252kg |
| 54600-52 | EPM8080W | 750 | 780 | | | 30 | | | | | 120 | | 45 | | 268kg |

# 54600 EPM Electricity Controls Permanent Magnetic Chuck

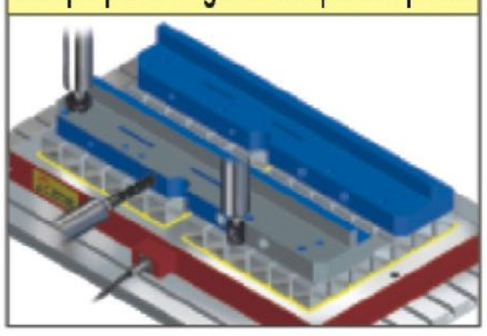




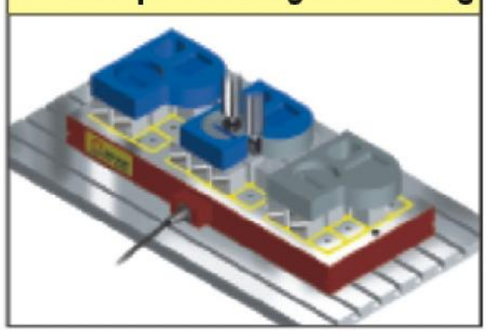
**Side drilling and surface milling**



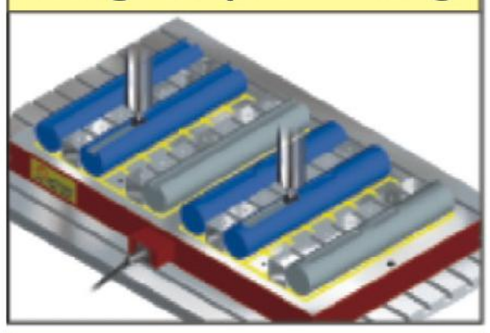
**Multiple processing with multiple workpieces**



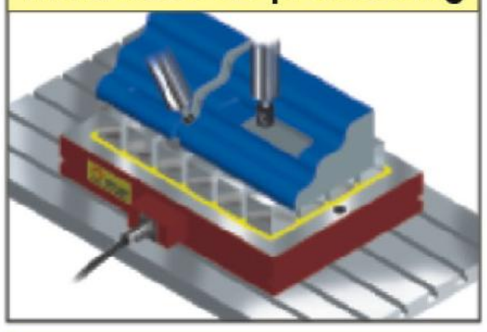
**5-faces processing and boring**



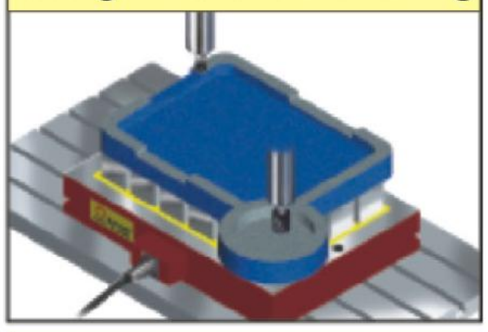
**Irregular processing**



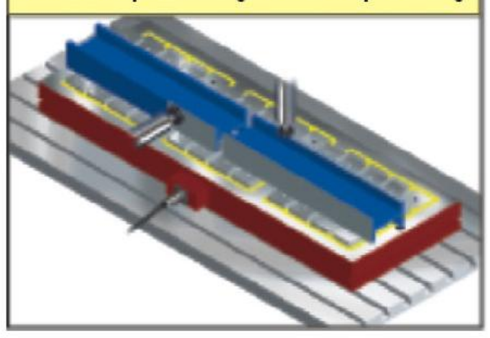
**Mold base 3D processing**



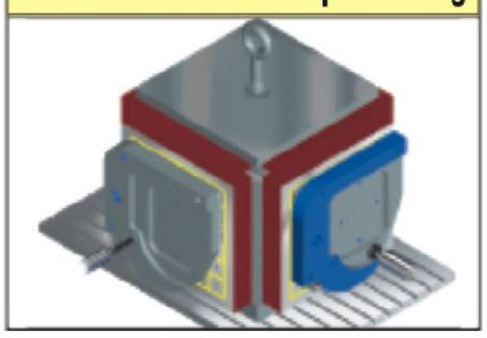
**Straight line and side milling**



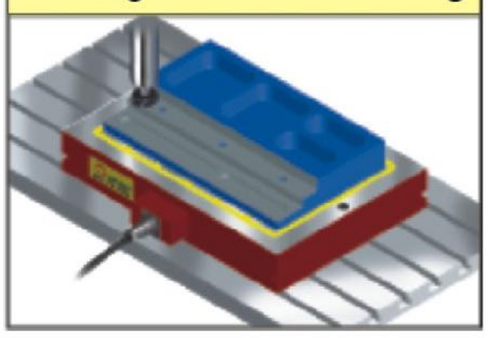
**Round workpiece milling and surface processing**



**Horizontal workstation processing**



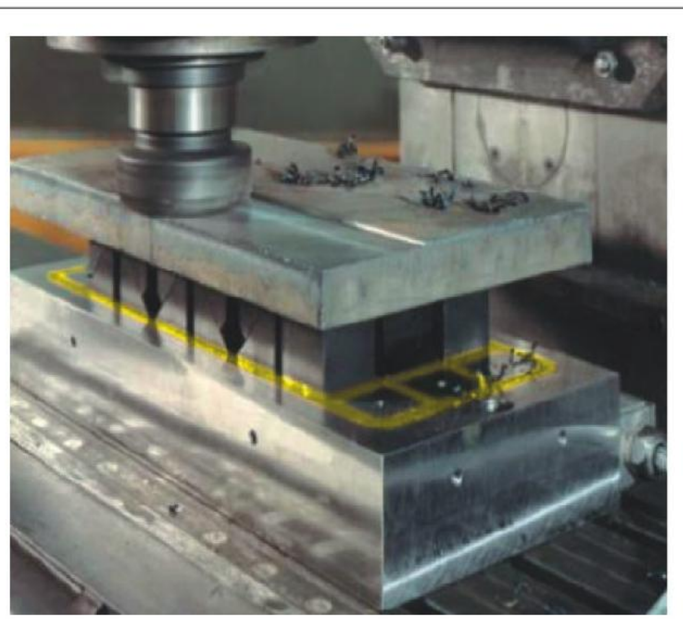
**Casting iron surface milling**









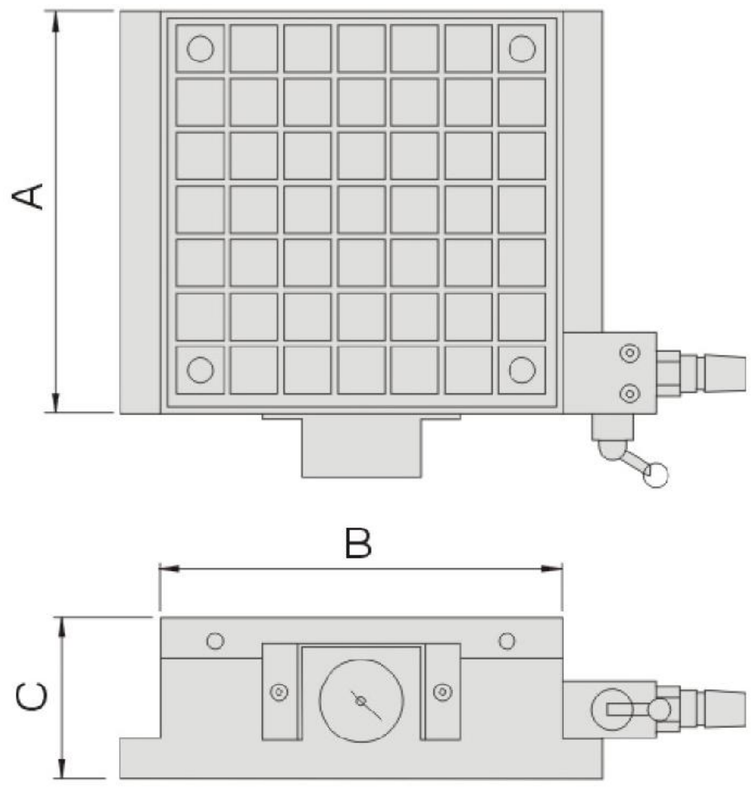






# 54610 VLC Vacuum Chuck






## Features :

**1.No pump needed**

Vacuum ejector and can operate simply through compressor.
Vacuum Chuck can discharge cooling oil. Cooling water or rubbish etc... even machine had inhaled.

**2.Perfect performance on any types of workpieces**

Perform well with surface and side processing as well as grinding processing.
With application of metal plate, it can achieve side processing and even drilling.

**3.Flexibility size**

Depending on the workpieces' size, this product is flexible to setup bases.

**4.Key bottom & Work stabilizer**

Key bottom at the base bottom to ensure parallel and squareness when apply parallel.
Avoiding horizontal pressure by setting up work stabilizer at side.

**5.Suitable application**

Light metal, heavy metal and iron borad.
Plastic products, ceramics, glass, stainless, aluminum, wood, stone, all non-magnetic products and non-ventilation smooth products.
Small, flat surface but need complicated work.
Need overall processing workpieces but nowhere effectively clamped.
Workpiece that don't want to leave surface scratches, distortion when processing.
Workpiece that is super thin and no where to clamp
Workpiece that is Irregular shape and surface smooth

- Parallelism:±0.01
- Material: S55C
- Product: black oxide & top & bottom ground
- Character: airblow circuit to conceal
- Plate: heat treament
- Accessory: silicone ∅4x 2 meter



Unit:mm

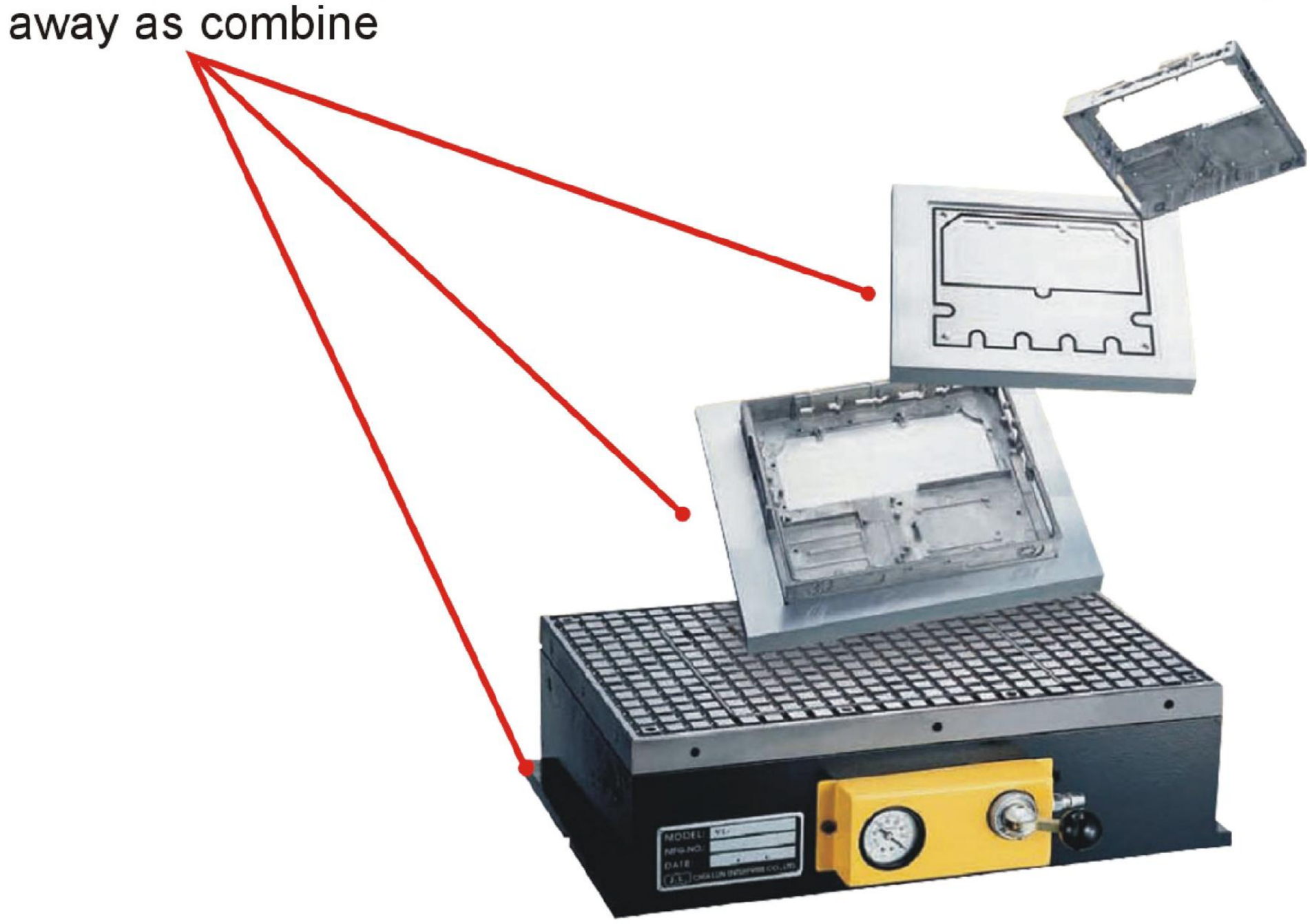
| Order No. | Model | A | B | C | Air Consumption | Max. Suction | N.W. |
|---|---|---|---|---|---|---|---|
| **54610-01** | VLC-1515 | 150 | 150 | 50 | 23 l/min | 12 l/min | 9.2kg |
| **54610-02** | VLC-1530 | 150 | 300 | 50 | 23 l/min | 12 l/min | 13.7kg |
| **54610-03** | VLC-2020 | 200 | 200 | 50 | 46 l/min | 24 l/min | 12.1kg |
| **54610-04** | VLC-2040 | 200 | 400 | 100 | 46 l/min | 24 l/min | 22.2kg |
| **54610-05** | VLC-2525 | 250 | 250 | 100 | 78 l/min | 40 l/min | 16.4kg |
| **54610-06** | VLC-2550 | 250 | 500 | 100 | 78 l/min | 40 l/min | 30.6kg |
| **54610-07** | VLC-3030 | 300 | 300 | 100 | 23 l/min | 12 l/min | 23.4kg |
| **54610-08** | VLC-3045 | 300 | 450 | 100 | 46 l/min | 24 l/min | 37.0kg |
| **54610-09** | VLC-3060 | 300 | 800 | 100 | 46 l/min | 24 l/min | 48.8kg |
| **54610-10** | VLC-3075 | 300 | 750 | 100 | 46 l/min | 24 l/min | 50.4kg |
| **54610-11** | VLC-4040 | 400 | 400 | 100 | 46 l/min | 24 l/min | 42.5kg |
| **54610-12** | VLC-4060 | 400 | 600 | 100 | 92 l/min | 48 l/min | 82.7kg |
| **54610-13** | VLC-4080 | 400 | 800 | 100 | 92 l/min | 48 l/min | 72.9kg |
| **54610-14** | VLC-40100 | 400 | 1000 | 100 | 92 l/min | 48 l/min | 103.1kg |
| **54610-15** | VLC-5050 | 500 | 500 | 100 | 78 l/min | 10 l/min | 59.2kg |
| **54610-16** | VLC-5075 | 500 | 750 | 100 | 15 l/min | 80 l/min | 87.8kg |
| **54610-17** | VLC-50100 | 500 | 1000 | 100 | 15 l/min | 80 l/min | 116.4kg |
| **54610-18** | VLC-50125 | 500 | 1250 | 100 | 15 l/min | 80 l/min | 145.0kg |
| **54610-19** | VLC-6060 | 600 | 600 | 100 | 78 l/min | 40 l/min | 78.8kg |
| **54610-20** | VLC-6090 | 600 | 900 | 100 | 15 l/min | 80 l/min | 116.4kg |

1)If the workpiece is high adhesive and made of soft material, chips may malt on the cutter. It is suggested that Coolant fluid is suggested applying steadily on the cutter.
2)Workpiece must be larger than the O ring applied, or it would not be properly attracted.

# 54610 VLC Vacuum Chuck

Start operation right away as combine

None magnesium alloy



The chuck apply for milling maching or grinding machine to process the surtace and side

| Features | |
|---|---|
| 1 | Change the chuck's size depend on the workpiece's size |
| 2 | No need air pump,just connect the air compressor then start the operation |
| 3 | Any workpiece can be done very well |

| Suitable Material |
|---|
| Light metal,hard metal,plastics,ceramics, glass,aluminum alloy,stainless steel...etc none paramagnet and no ventilated plane. |

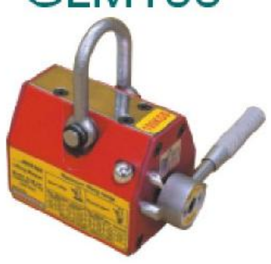
※workpiece has to over the size of the sillcon or can not be inhaled

| Using approach |
|---|
| Use semi-automatic milling machine to process |

| Notices | |
|---|---|
| 1 | Use air pressure to suction the workpiece and make operation |
| 2 | The air pressure should match the workpiece's size and get the max inhaled square measure |
| 3 | Air supplier should be stable |
| 4 | Check Seal's condition and whether the material airtight |
| 5 | The inhaled square measure and ventilation of workpiece |
| 6 | Temperature,humidity and curved extent |

# 54620 GLM Permanent Lifing Magnetic

GLM100





GLM300



GLM600



GLM1000



GLM2000



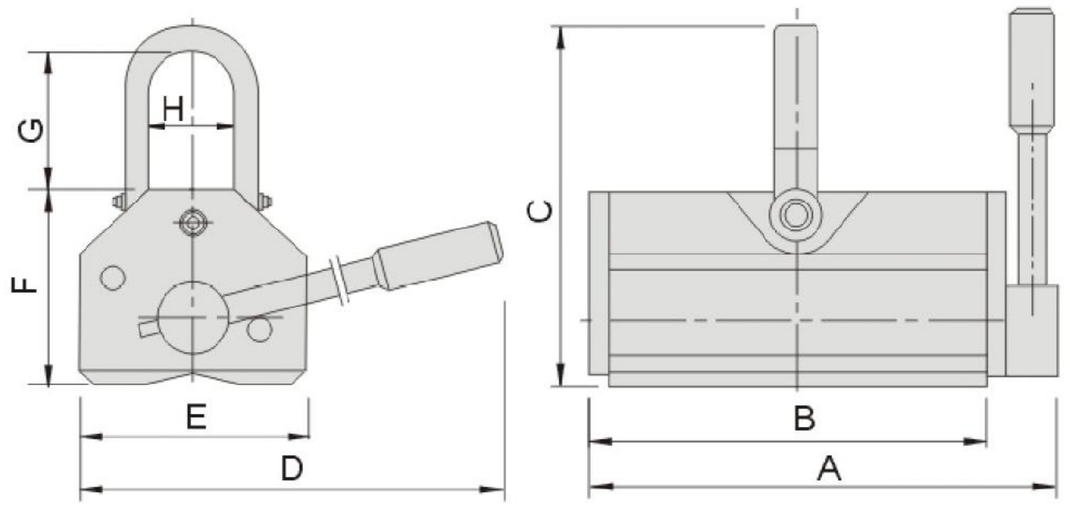
GLM3000

## Features :

**Safety**
Lifting magnetic ensure the stable magnetic force and tested to hold 3.5 TIMES, the rated load for maximum safety.

**Rigidity**
Adopting steel block and machined by CNC and FNC system for ensure accuracy and rigidity.

**Durability**
Nickel-plating on all parts of steel to increase lifecycle, enhance surface hardness on all poles to ensure the best operation condition, maintenance free.




Unit:mm

| Order No. | Model | Capacity (kg) | A | B | C | D | E | F | G | H | Rated load of safety | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54620-02 | GLM100 | 100 | 107 | 84 | 120 | 125 | 60 | 71 | 41 | 30 | x3.5倍 | 2.5kg |
| 54620-04 | GLM300 | 300 | 180 | 155 | 156 | 185 | 90 | 93 | 51 | 41 | | 8.6kg |
| 54620-06 | GLM600 | 600 | 255 | 224 | 212 | 260 | 115 | 120 | 77 | 52 | | 21kg |
| 54620-08 | GLM1000 | 1000 | 280 | 245 | 286 | 371 | 165 | 169 | 97 | 87 | | 46kg |
| 54620-10 | GLM2000 | 2000 | 422 | 380 | 348 | 512 | 216 | 215 | 105 | 121 | | 118kg |
| 54620-12 | GLM3000 | 3000 | 566 | 530 | 400 | 770 | 216 | 222 | 147 | 80 | | 181kg |

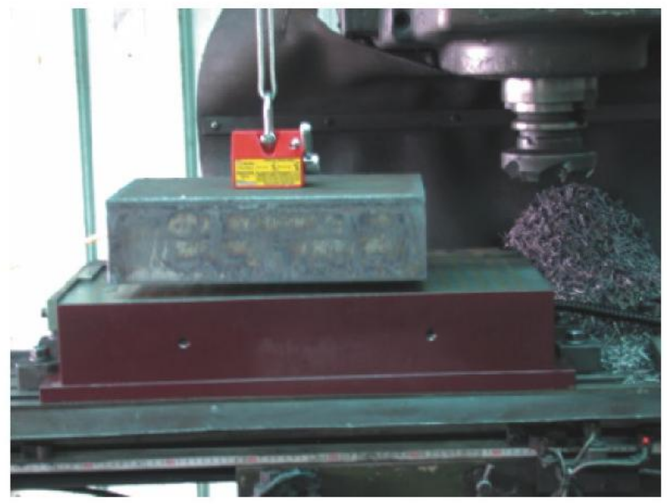
# 54620 GLM Permanent Lifing Magnetic

## Features :

- It's perfect for loading or unloading most workpieces including press molds, plastic molds, machined parts, etc...
- Apply this lifting magnetic to move plate steel, block or round steel, and iron material in your factory.
- Permanent magnetic requires no electricity to perform material lifting.
- Tested to hold 3.5 TIMES, the rated load of maximum safety
- Fast, safe & efficient material lifting, loading and unloading.



## Applications









Instruction
NO/OFF switch, easy and fast as figures below:

ON

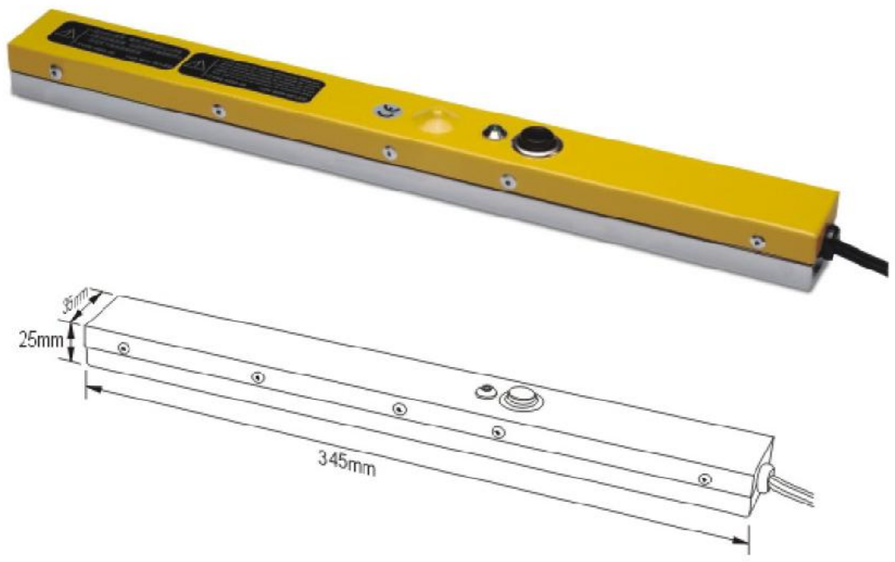



OFF




Caution!
Lever in the "ON" position. Note the safety lock is engaged on the lifting magnetic.

## 54810 HD010 Bat Type Demagnetizer






### Features :

- Demagnetizing press die, plastic mold, large plate steel... etc
- Portable and easy to operate
- Demagnetizing simple and fast, no need to unloading mold from machine.
- Less chips left on mold and increase the lifecycle.

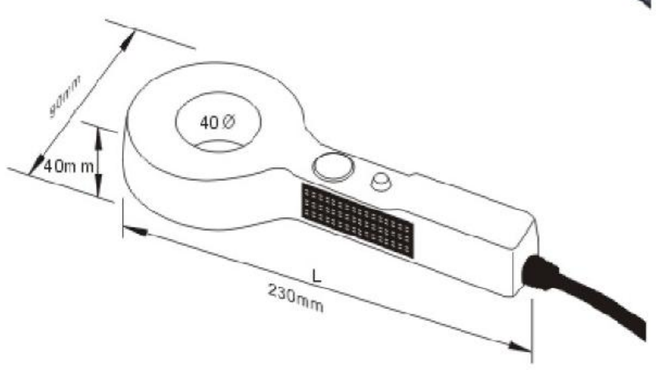
Unit:mm

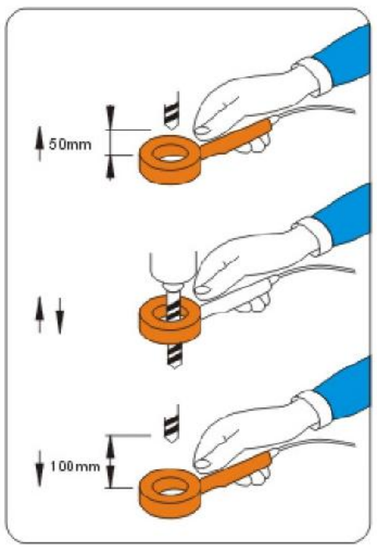
| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54810-110 | HD010 | AC110V 1PH | 1.2A | 20% | 345 | 35 | 25 | 0.9kg |
| 54810-220 | HD010 | AC220V 1PH | 1.2A | 20% | 345 | 35 | 25 | 0.9kg |

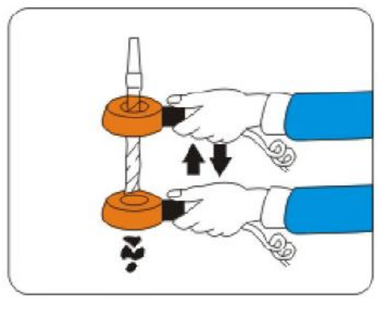


## 54816 HD030 Circular Type Demagnetizer





### Features :

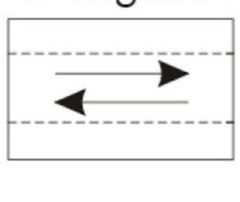
- Demagnetizing drill, cutting tool, cutter and other tools such as slide calipers.
- Demagnetizing with tools installed on machine with no problem.
- Temperature protection; electrifying for 1 min. and pausing for 4 mins.
- Portable and easy to operate.
- Adopting aluminum to form body for rigid and durable.

Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54816-110 | HD030 | AC110V 1PH | 0.8A | 20% | 230 | 90 | 40 | 0.95kg |
| 54816-220 | HD030 | AC220V 1PH | 0.8A | 20% | 230 | 90 | 40 | 0.95kg |

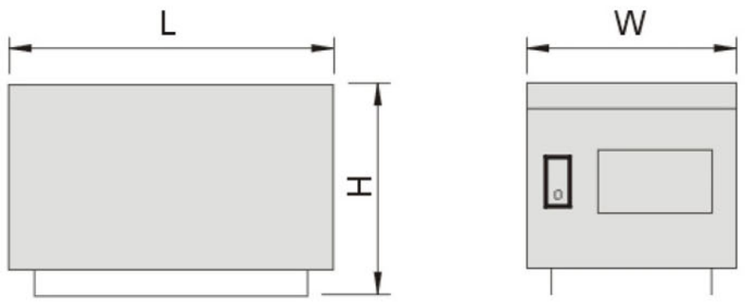
## 54820 HD123 Handy Type Demagnetizer






### Features :

- Demagnetizing plate steel, mold, tools etc...
- Portable and easy to operate, light weight.
- Automatic temp. protection: power cut when reach the certain setting point, it restart to work once cool down.

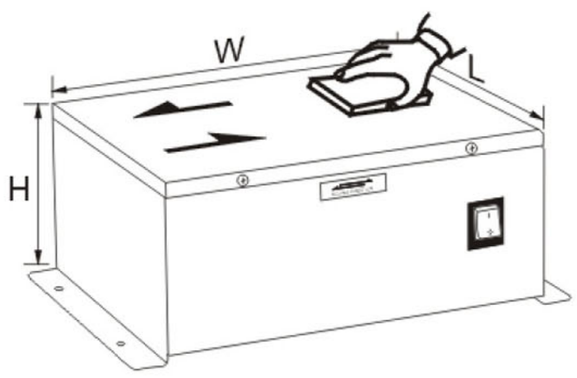


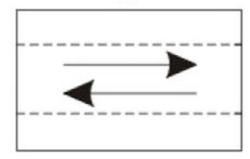

Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54820-110 | HD123 | AC110V 1PH | 0.9A | Temp. protect: 20mins/10mins | 128 | 83 | 83 | 1.8kg |
| 54820-220 | HD123 | AC220V 1PH | 0.9A | | 128 | 83 | 83 | 1.8kg |

## 54822 HD180 Plate Type Demagnetizer






### Features :

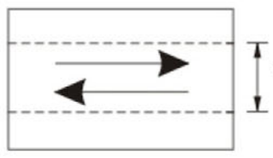
- Demagnetizing general parts, accessories and tools etc...
- Automatic temp. protection: power cut when reach the certain setting point, it restart to work once cool down.

Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54822-110 | HD180 | AC110V 1PH | 2A | Temp. protect: 20mins/10mins | 127 | 180 | 90 | 4kg |
| 54822-220 | HD180 | AC220V 1PH | 2A | | 127 | 180 | 90 | 4kg |

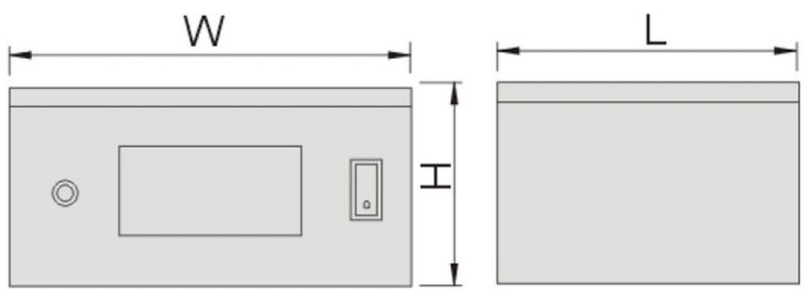
## 54824 HD200 Standard Type Demagnetizer




### Features :

- Demagnetizing general parts, accessories and tools etc...
- Suitable for long period usage.




Unit:mm

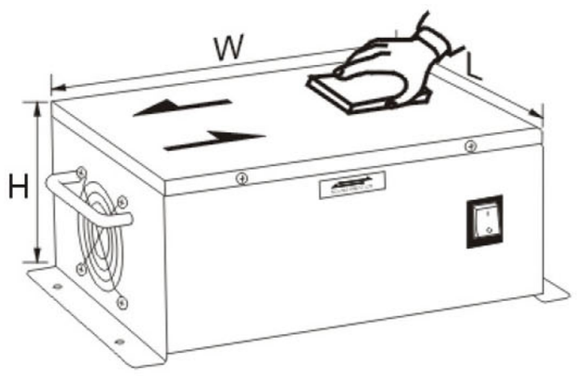
| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54824-110 | HD200 | AC110V 1PH | 3.3A | 90% | 150 | 200 | 100 | 7.5kg |
| 54824-220 | HD200 | AC220V 1PH | 3.3A | | 150 | 200 | 100 | 7.5kg |

## 54826 HD280 Powerful Type Demagnetizer

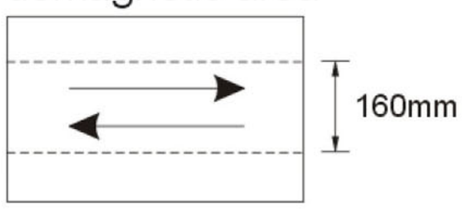


### Features :

- Demagnetizing plate steel, large mold, tools etc...
- Big effective demagnetizing range: 160mm
- Suitable for material such as high carbon steel, mold steel etc... which are difficult to be demagnetized.
- Suitable for long period usage.




Effective demagnetic area




Unit:mm

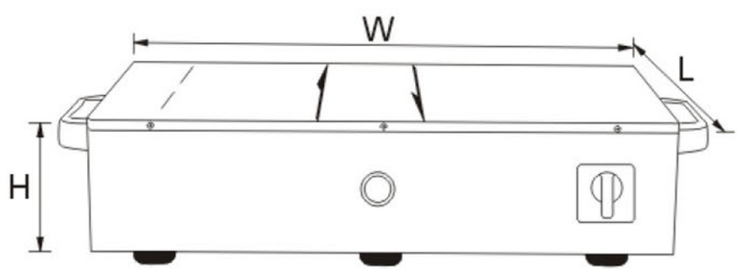
| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54826-110 | HD280 | AC 110V 1PH | 5A | 90% | 200 | 280 | 130 | 15.0kg |
| 54826-220 | HD280 | AC 220V 1PH | 5A | | 200 | 280 | 130 | 15.0kg |

## 54828 HD380 Powerful Type Demagnetizer




### Features :

- Demagnetizing plate steel, large mold, tools etc...
- Big effective demagnetizing range: 160mm
- Suitable for long period usage.

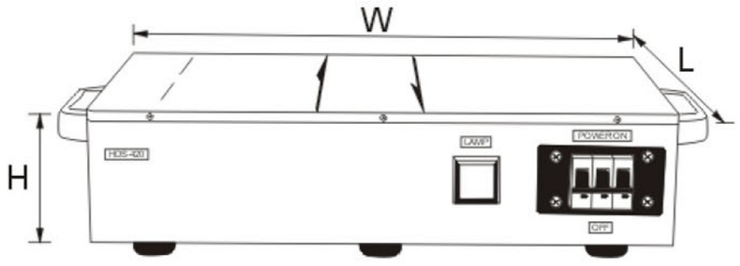



Unit:mm

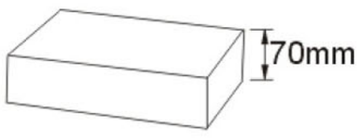
| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54828-110 | HD380 | AC 110V 1PH | 10A | 90% | 220 | 400 | 135 | 25kg |
| 54828-220 | HD380 | AC 220V 1PH | 10A | | 220 | 400 | 135 | 25kg |

## 54830 HD420 Super Powerful Type Demagnetizer

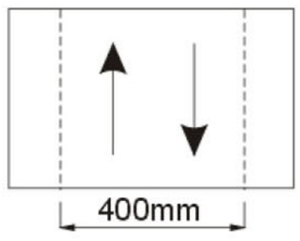



Effective thickness:70mm




Effective demagnetic area




### Features :

- Demagnetizing plate steel, large mold, tools etc...
- Big effective demagnetizing range: 400mm with thickness within 70mm
- Suitable for material such as high carbon steel, mold steel etc... which are difficult to be demagnetized.
- Suitable for long period usage.

Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54830-220** | HD420 | AC 220V 1PH | 8A | 90% | 335 | 585 | 135 | 40kg |
| **54830-380** | HD420 | AC 380V 1PH | 8A | | 335 | 585 | 135 | 40kg |

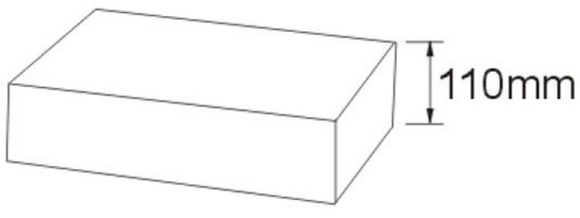
## 54832 HD500 Super Powerful Type Demagnetizer



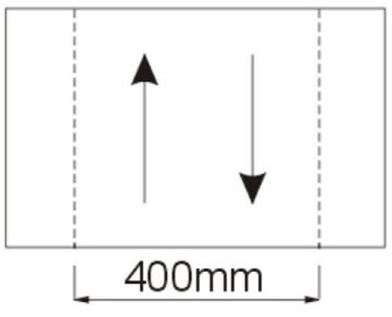

### Features :

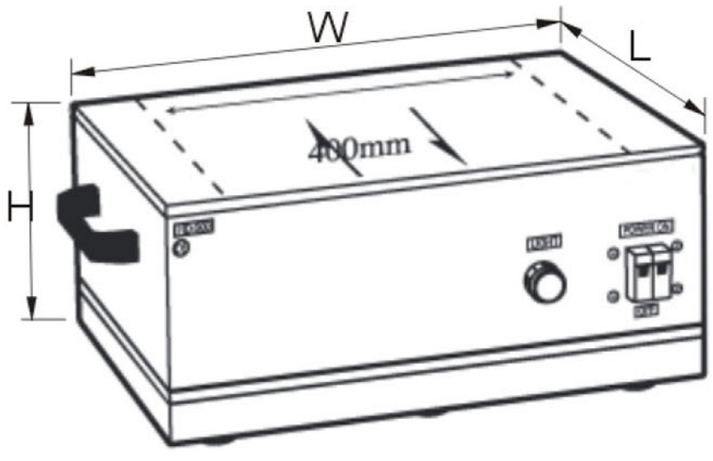
- Demagnetizing plate steel, large mold, tools etc...
- Big effective demagnetizing range: 400mm with thickness within 110mm
- Suitable for material such as high carbon steel, mold steel etc... which are difficult to be demagnetized.
- Suitable for long period usage.

Effective thickness:110mm




Effective demagnetic area




Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54832-220** | HD500 | AC 220V 1PH | 10A | Continuous | 335 | 585 | 285 | 69.5kg |
| **54832-380** | HD500 | AC 380V 1PH | 10A | | 335 | 585 | 285 | 69.5kg |

## 54834 HD620AD Super Powerful Demagnetizer Machine(Plate Type)




### Features :

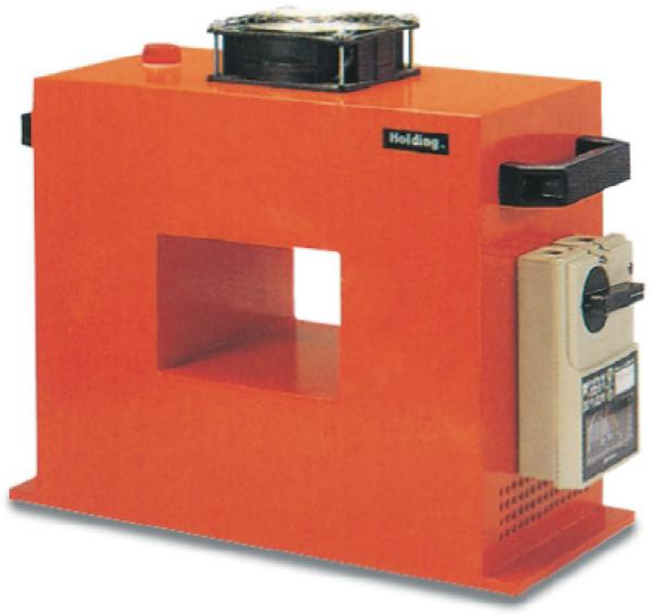
- Ergonomic design with easy operation as well as the large range of effective area
- Automatic power save system
- Suitable for induction metal and molds etc...
- Demagnetizer and base can be purchase separately.

Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54834-220 | HD620AD | AC 220V 1PH | 12A | Continuous | 620 | 430 | 760 | 10.5kg |
| 54834-380 | HD620AD | AC 380V 1PH | 12A | | 620 | 430 | 760 | 10.5kg |

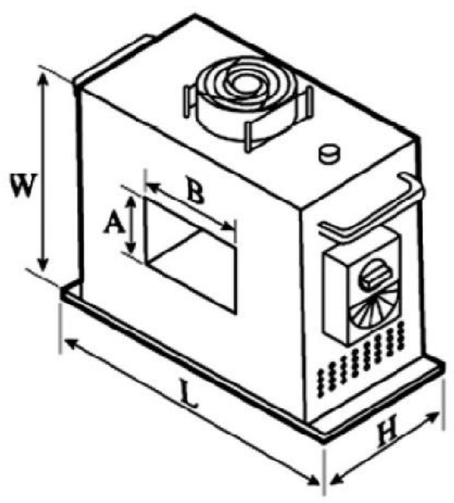
## 54836 HD Tunnel Type Demagnetizer

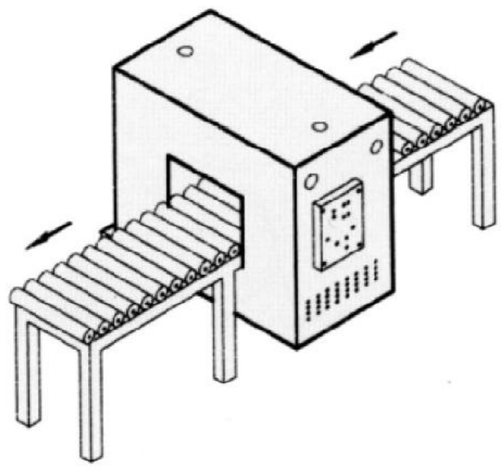





### Features :

- Due to it unique design, suitable to apply on convey belt process and long item.
- Superb demagnetizing effect, especially for stainless steel.
- Demagnetizing plate steel, large mold, tools etc... Increase efficiency for mass production industry.
- Suitable for long period usage.



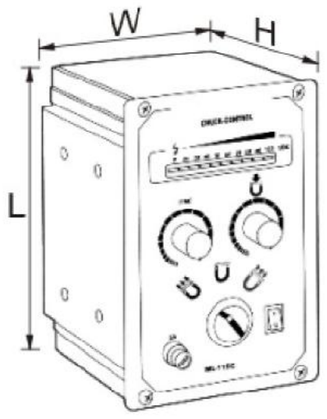



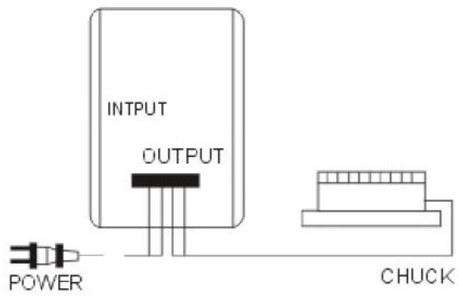
Unit:mm

| Order No. | Model | Voltage | Current | Duty cycle | L | W | H | A | B | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|
| 54836-01 | HD1015 | AC 220V AC 380V | 5A | Continuous | 370 | 370 | 200 | 100 | 150 | 31kg |
| 54836-02 | HD1525 | | 12A | | 470 | 370 | 200 | 150 | 250 | 52kg |
| 54836-03 | HD2545 | | 18A | | 700 | 500 | 200 | 250 | 450 | 80kg |
| 54836-04 | HD2545A | | 32A | | 700 | 500 | 200 | 250 | 450 | 80kg |

## 54838 WL115C Chuck Controller






### Features :

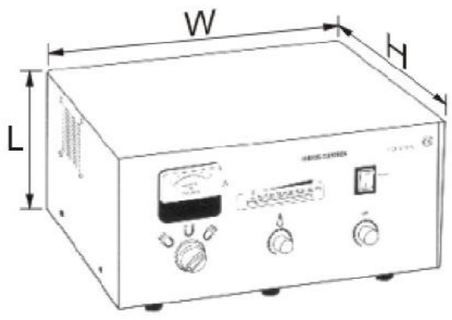
- Suitable for standard type of electric magnetic chucks.
- Operation time is 6 ~ 15 seconds with current capacity of 5A.
- Fine adjustment is available with LED light indication.
- Suitable for any kind of electric magnetic chucks.
- Split made is available for install in machines.

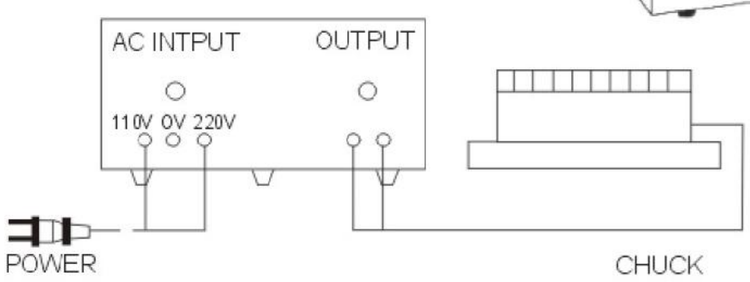
Unit:mm

| Order No. | Model | Input Volt. | Output Volt. | Current | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54838-110** | WL115C | AC 110V 1PH | DC 0-100V | 5A | 200 | 137 | 122 | 3.5kg |
| **54838-220** | WL115C | AC 220V 1PH | DC 0-100V | 5A | 200 | 137 | 122 | 3.5kg |

## 54840 HD510 Chuck Controller






### Features :

- Suitable for powerful type of electric magnetic chucks.
- Operation time is 6 ~ 15 seconds with current capacity of 10A/15A/20A.
- Fine adjustment is available with LED light indication.
- Suitable for any kind of electric magnetic chucks.
- Split made is available for install in machines.

Unit:mm

| Order No. | Model | Input Volt. | Output Volt. | Current | L | W | H | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54840-10-110** | HD510-10A | AC 110V 1PH | DC 0-120V | 10A | 150 | 330 | 260 | 15kg |
| **54840-10-220** | HD510-10A | AC 220V 1PH | DC 0-120V | 10A | 150 | 330 | 260 | 15kg |
| **54840-15-220** | HD510-15A | AC 220V 1PH | DC 0-120V | 15A | 150 | 330 | 260 | 20kg |
| **54840-15-380** | HD510-15A | AC 380V 1PH | DC 0-120V | 15A | 150 | 330 | 260 | 20kg |
| **54840-20-220** | HD510-20A | AC 220V 1PH | DC 0-120V | 20A | 180 | 385 | 295 | 32kg |
| **54840-20-380** | HD510-20A | AC 380V 1PH | DC 0-120V | 20A | 180 | 385 | 295 | 32kg |

## 54850 MSB150 Magnetic Pen



**Examples:**



| Order No. | Model | Dimension | Holding capacity |
|---|---|---|---|
| **54850-150** | MSB150 | Min.135/Max.650 | Max.1.8kg |

## 54852 LMB650 LED Magnetic Pen

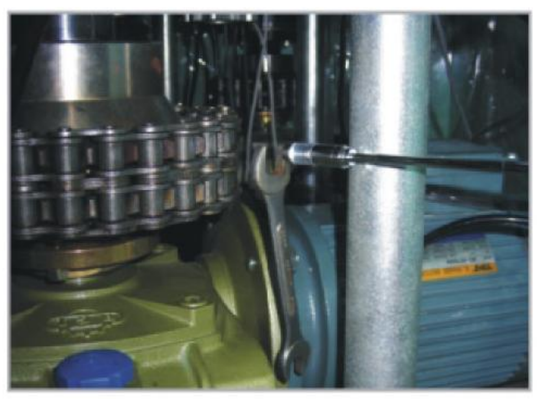


### Features :

- Easily pick up the fallen parts in hand unreachable places.
- With LED combined design, do not stare straight at the light.
- Clean any water if contacted.

**Examples:**





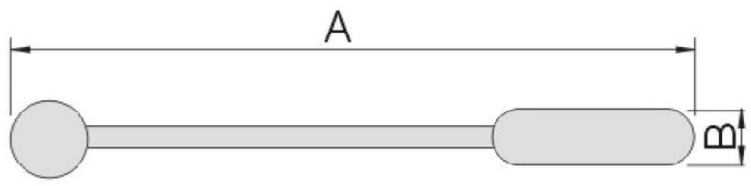
| Order No. | Model | Dimension | Holding capacity | Battery | N.W. |
|---|---|---|---|---|---|
| 54852-650 | LMB650 | Min.160/Max.590 | Max.1.8kg | 3Pcs./#LR41 | 0.05kg |

## 54854 MPR Blind Hole Magnetic Remover

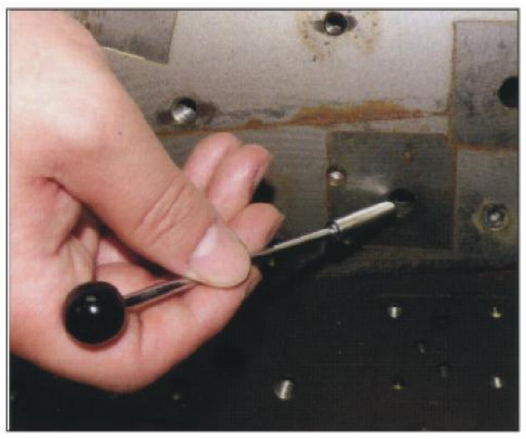


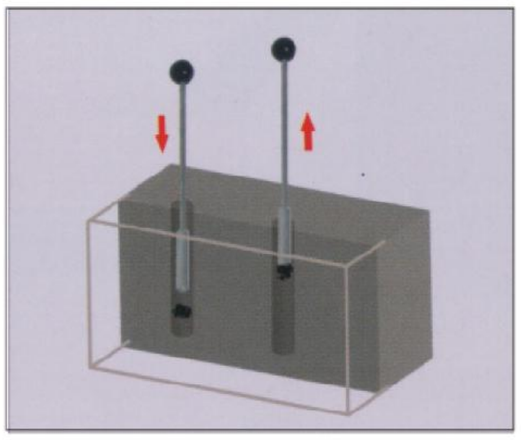
### Features :

- Magnetic head is covered by hardened metal with permanent in it. The black ball knob is attached to pull rod of MPR-5, MPR-8 and MPR-11. MSP-1.6 and MSP-3 are offered without the black ball knob.
- Suitable for removing iron scraps in blind holes, drill holes, tapping holes or untouchable place.



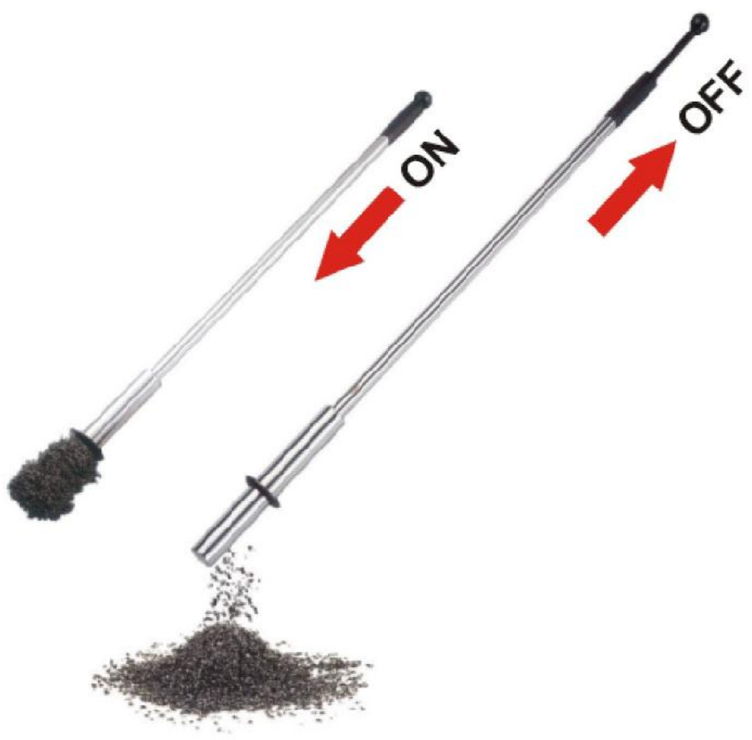

### Examples:

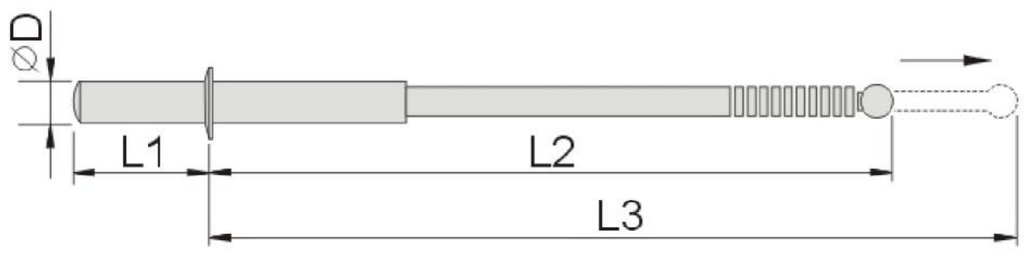




| Order No. | Model | A | B | N.W. |
|---|---|---|---|---|
| 54854-01 | MPR-1.6 | 68 | 8 | 0.015kg |
| 54854-02 | MPR-3 | 93 | 11 | 0.035kg |
| 54854-03 | MPR-5 | 150 | 5 | 0.018kg |
| 54854-04 | MPR-8 | 175 | 8 | 0.030kg |
| 54854-05 | MPR-11 | 180 | 11 | 0.047kg |

## 54856 MPS Magnetic Bar Cleaner




### Features :

- Strong magnetic force, lightweight and easy to operate.
- Protrudent and round front-end design is especially suitable for T-slot and concave slot.
- Permanent magnetic and simple construction, no maintenance needed.
- Removing metal chips left on various machines.
- Classifying parts for stamping and surface-treatment industries.

| Order No. | Model | ØD | L1 | L2 | L3 | N.W. |
|---|---|---|---|---|---|---|
| 54856-600 | MPS600S | 32 | 110 | 490 | 640 | 0.9kg |
| 54856-900 | MPS900S | 32 | 110 | 790 | 940 | 1.0kg |
| 54856-1200 | MPS1200S | 32 | 160 | 1040 | 1240 | 1.6kg |

### Examples:


Lathes Machine


Machining Center


Gear Hobbing Machine

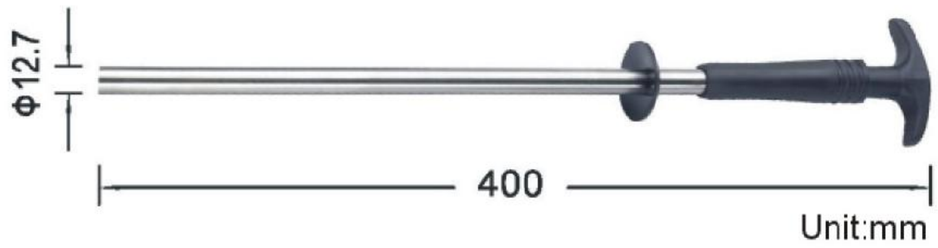

Grinding Machine

## 54858 MRT1240 Magnetic Bar Cleaner



### Features :

- Suitable for removing iron scraps in T-slot and holes or untouchable place.




**Example**



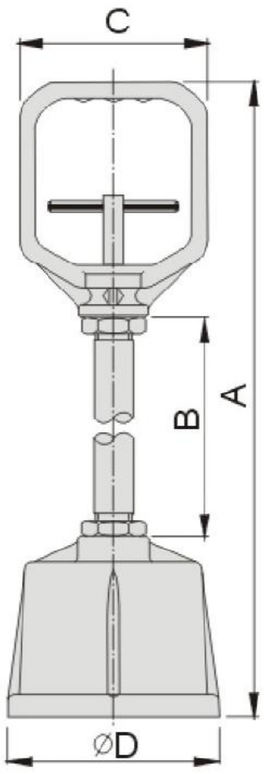



## 54860 HMC Magnetic Handler





HMC300
HMC600



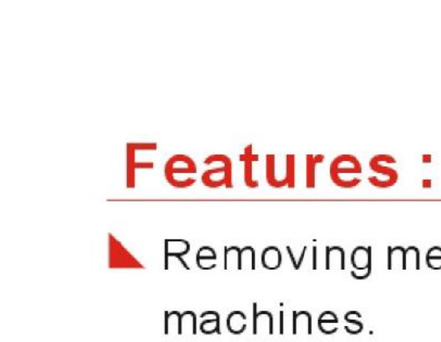


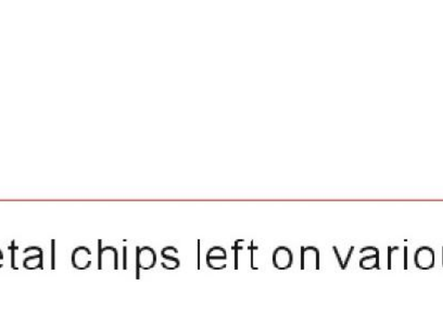

HMD200
HMD700

### Features :

- Removing metal chips left on various type of machines.
- Classifying parts for stamping and surface-treatment industries.

**Example**







Unit:mm

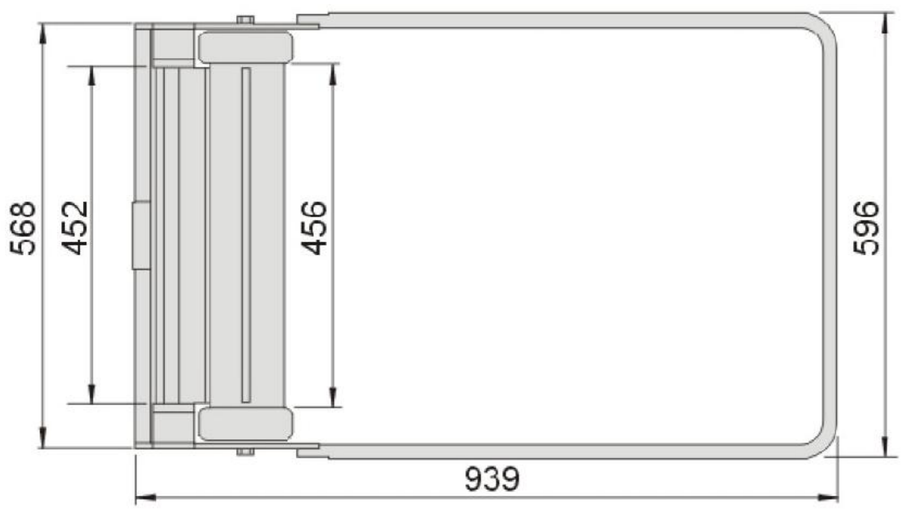
| Order No. | Model | D | A | B | C | N.W. |
|---|---|---|---|---|---|---|
| **54860-01** | HMC300 | ∅114 | 295 | 70 | 100 | 1.02kg |
| **54860-02** | HMC600 | ∅114 | 590 | 365 | 100 | 1.48kg |
| **54860-03** | HMD200 | 120X70 | 185 | - | 110 | 1.12kg |
| **54860-04** | HMD700 | 120X70 | 700 | 500 | 110 | 2.00kg |

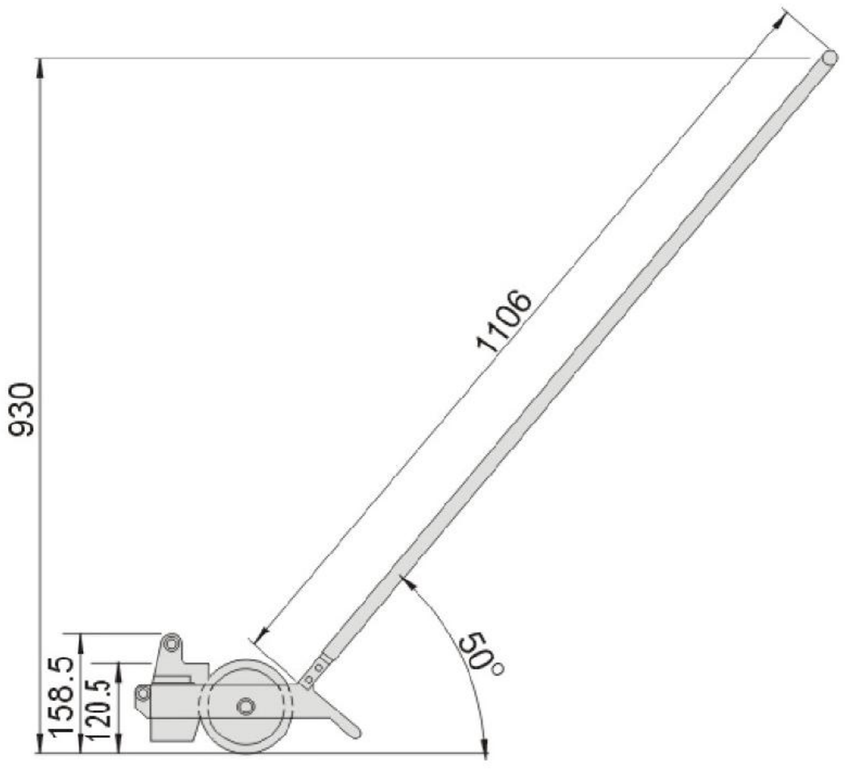
# 54862 EMAC-16 Automatic Discharge Magnetic Sweeper



## Features :

- Automatic continuous discharge system.
- Increase efficiency and effectiveness.
- Reduce time-consuming on cleaning.
- Removing metal scraps in the same way as you walk.
- Stainless rod and Japanese made bearings to ensure durability.




**Example**







# 54864 EMBC-18 Magnetic Chip Cleaner



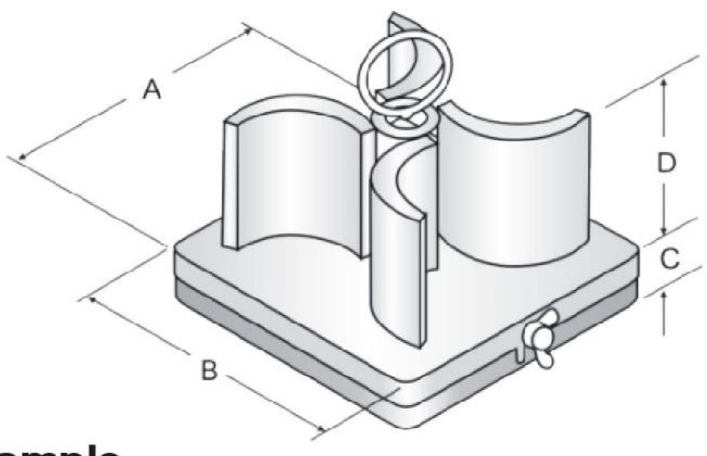

## Features :

- Sweeping metal chips in the factory floor.
- Increase efficiency and effectiveness.
- Reduce time-consuming on cleaning.
- Removing metal scraps in the same way as you walk.



# 54866 MSR Magnetic Cleaner






## Application:

Hydraulic power unit.
Circulating lubrication oil tank.
Oil slot of Wire-cut machine and EDMs
Oil slot and water troughs of washers and oil purifier.

## Features :

- Lightweight, easy to maintain.
- Strong and long magnetic force, perfect attraction even for micro metal powder.
- Powerful magnetism purifying and clean oil.

## Adequate q'ty used formation:

- Hydraulic power unit: T ÷1/20Q = P
- Circulating Lubrication oil tank: T ÷Q = P
- T: oil tank capacity
- Q: pump delivery
- P: example of contamination.

**Example**



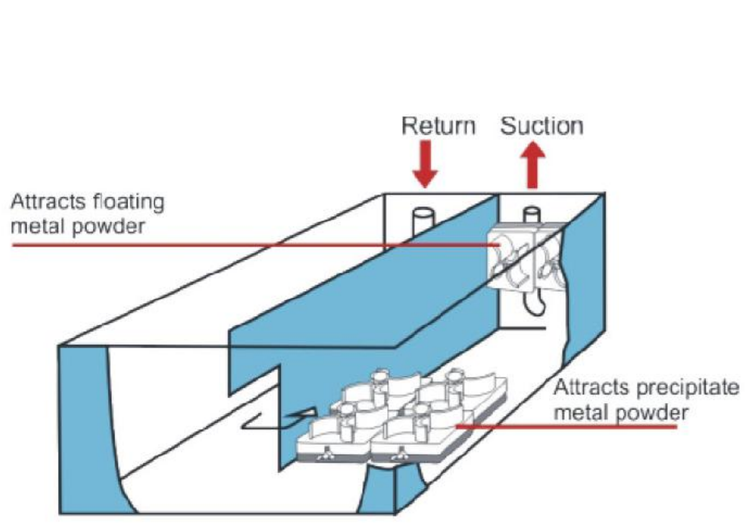
MSR100

Metal chips

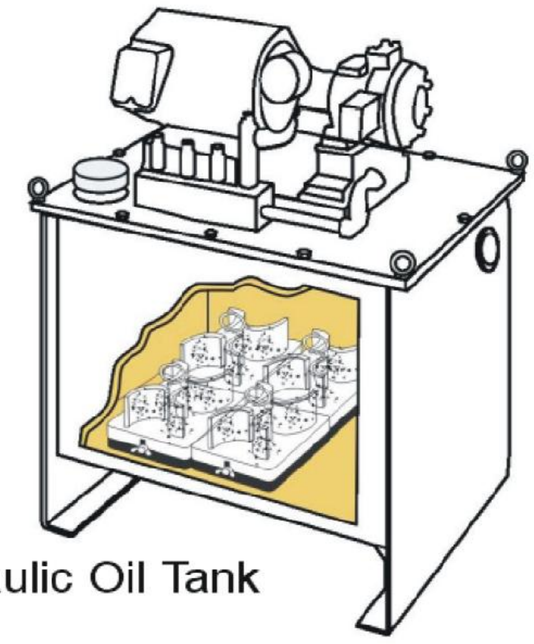


MSR300

Metal powder




Coolant Tank



Hydraulic Oil Tank

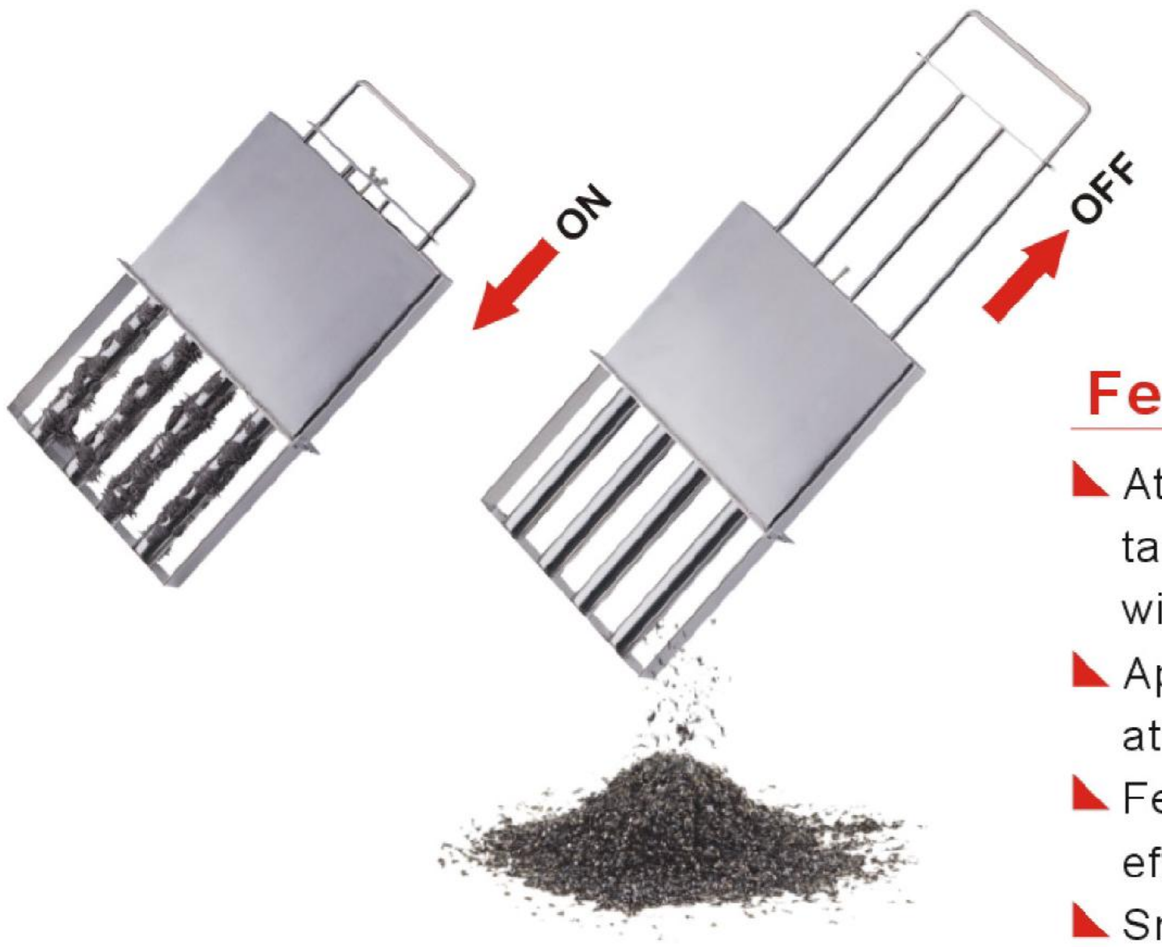


Electric Discharge Machine

Unit:mm

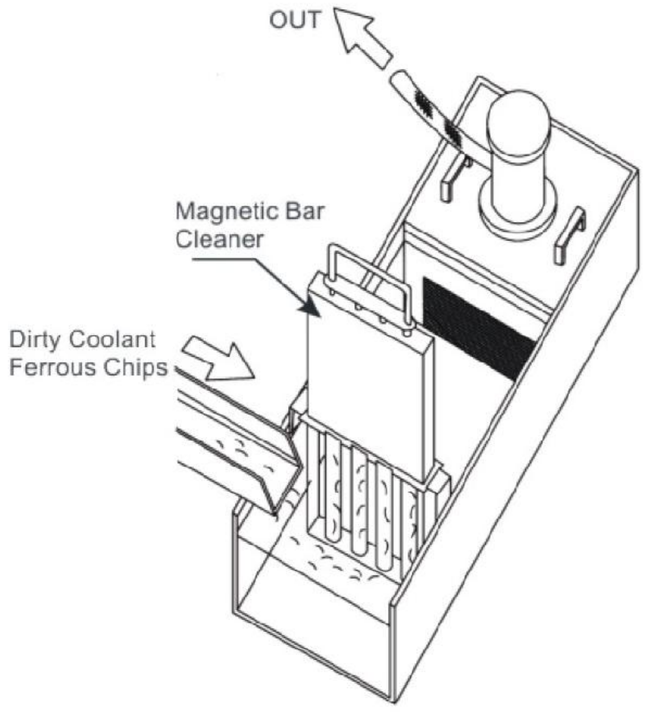
| Order No. | Model | A | B | C | D | Flux density | Body colour | N.W. |
|---|---|---|---|---|---|---|---|---|
| **54866-100** | MSR100 | 110 | 110 | 20 | 42 | 800Goe | Black | 0.5kg |
| **54866-300** | MSR300 | 110 | 110 | 20 | 42 | 3000Goe | Red | 0.75kg |

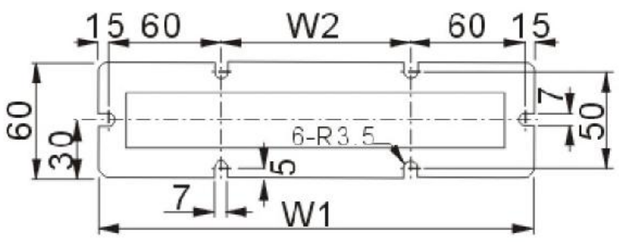
# 54868 MBC Magnetic Bar Cleaner

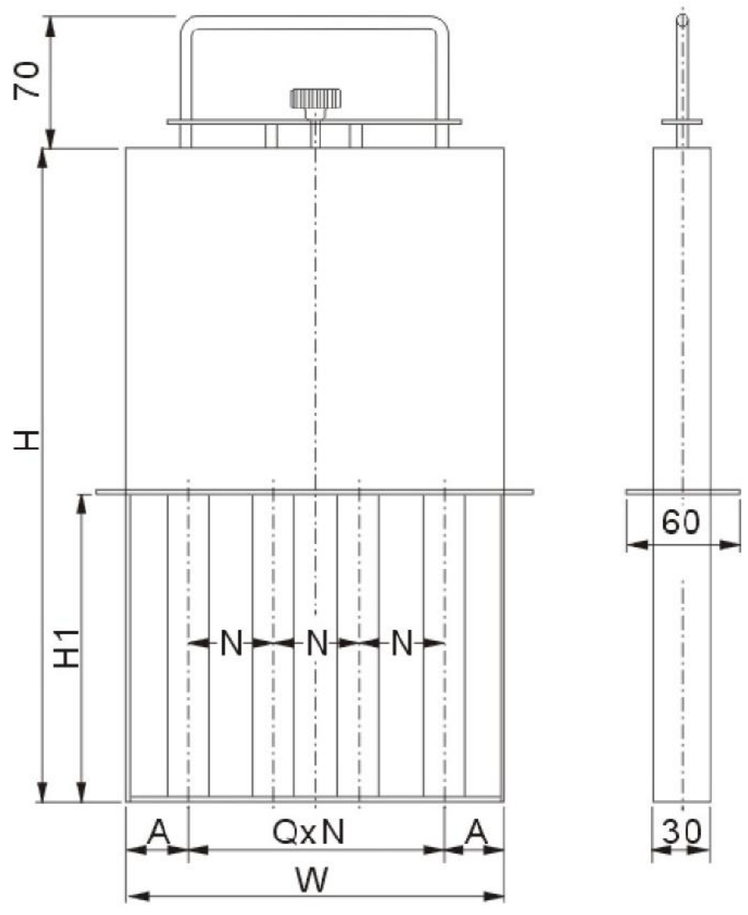



## Features :

- Attracting metal powder left in the cutting fluid tanks of CNC lathes, EDMs, machining center and wire-cutting machines.
- Applying special power magnet with superb attraction in radial.
- Fence gate design makes chip disposal more efficient.
- Small in size can add extra equipment in existing machine.




## Example



Unit:mm

| Order No. | Model | A | H | H1 | W | W1 | W2 | N Pitch | Q Bar Q'TY | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|
| 54868-02 | MBC201604 | 32.5 | 340 | 160 | 200 | 155 | 100 | 45 | 4pcs | 3.3kg |
| 54868-04 | MBC202504 | 32.5 | 520 | 250 | 200 | 155 | 100 | 45 | 4pcs | 5.2kg |
| 54868-06 | MBC323006 | 35 | 620 | 300 | 320 | 350 | 220 | 50 | 6pcs | 8.6kg |
| 54868-08 | MBC323706 | 35 | 760 | 370 | 320 | 350 | 220 | 50 | 6pcs | 12.3kg |

# 54870 MTP150 Magnetic Taper



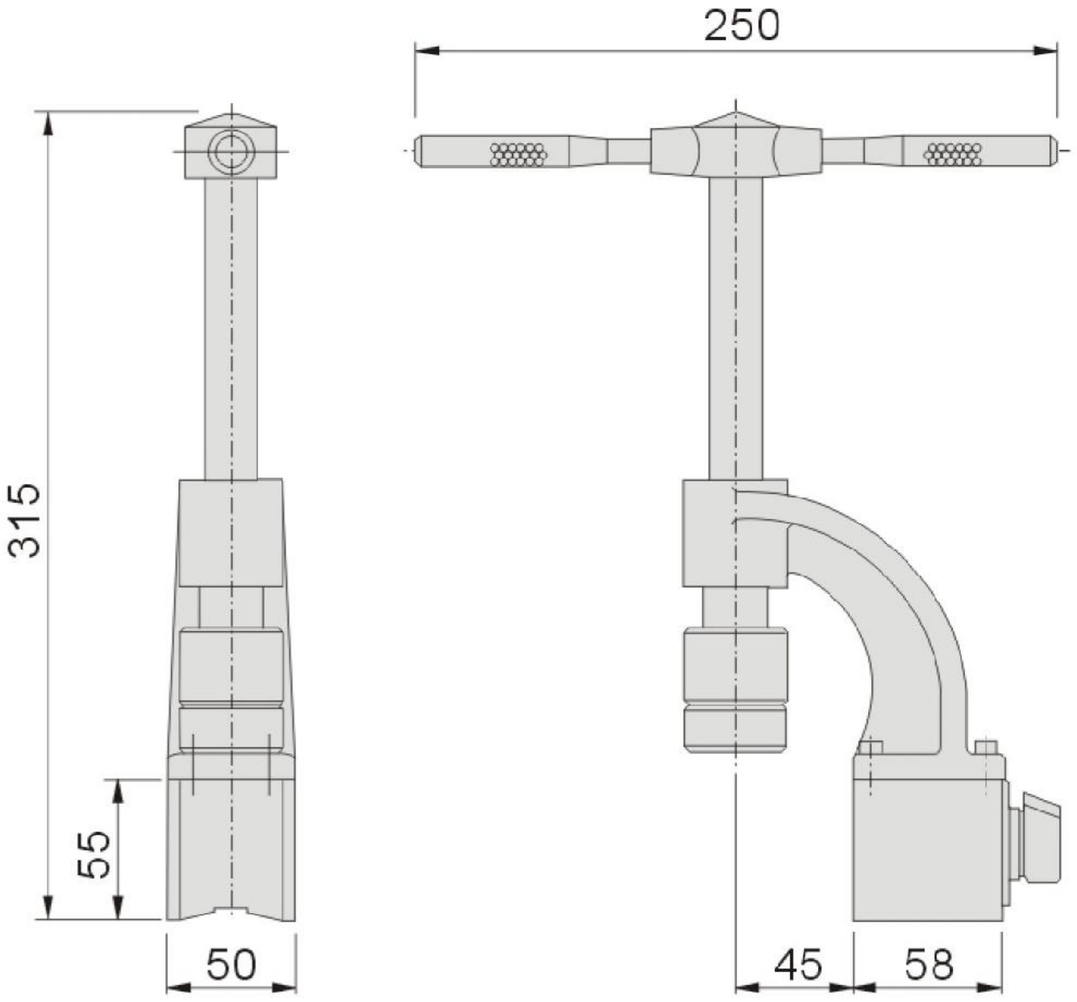
## Features :

- Compact and portable design, easy to operate.
- Guide bar helps the tap positioning precisely.
- Evenly force-delivering during operation prevent tap from breaking, reducing wear and cost.
- Quick chuck enables the tap to be easily loaded and unloaded.
- Powerful permanent-magnet seat, no maintenance needed.

## Applications

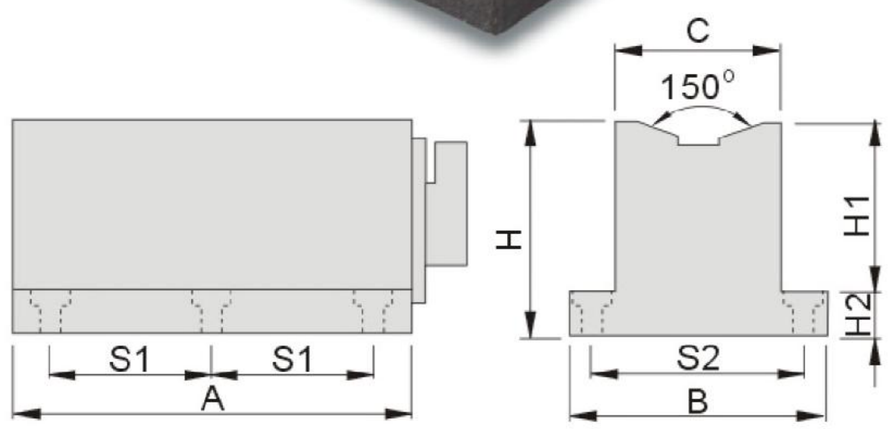






## 54871 MV120 Magnetic Clamping Block

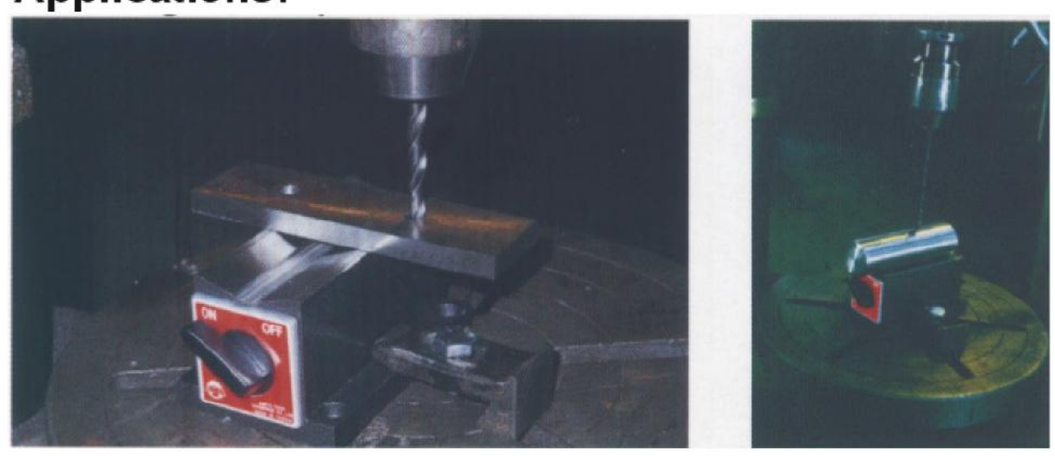



### Features :

- Fast setups of bar stock or round steel.
- Powerful magnetic base, ON-OFF switch.

**Applications:**




Unit:mm

| Order No. | Model | Mag. Force | | Dimension | | | | | | | | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | V-face | Flat | A | B | C | H | H1 | H2 | S1 | S2 | |
| **54871** | MV120 | 110kgf | 160kgf | 118 | 76 | 50 | 62 | 50 | 12 | 48 | 62 | 2.5kg |

## 54872 HML100 Powerful Handle Magnet



### Features :

- Easily lifting large and thin steel plate.
- Separating steel and non-steel and also for screws and nuts.
- Permanent magnetic guaranteed.

Unit:mm

| Order No. | Model | Spec. | Max. Weight | N.W. |
|---|---|---|---|---|
| **54872** | HML100 | 135x30x90 | 100ibs(45kg) | 0.45kg |

## 54873 AHL Magnetlc Safe Catcher



### Features :

- Applying this catcher when operating pressing machines.
- ON-OFF switch operated by only single hand.
- Arm length 220mm.

Unit:mm

| Order No. | Model | Mag. Spec. | Mag. Force | N.W. |
|---|---|---|---|---|
| **54873-01** | AHL-A | ∅15x25 | 0.7kg | 0.17kg |
| **54873-02** | AHL-B | ∅20x25 | 2.5kg | 0.20kg |
| **54873-03** | AHL-C | ∅25x25 | 5.0kg | 0.25kg |

## 54874 TCT Multi-function Mist Coolant System





*accessories*

### Features :

- Operating cooling, lubricating and removing metal chips at the same time.
- Increasing cost effectiveness, efficiency and durability of tools.
- Ensure better processing quality as well as performance of tools.
- Assisting better surface finished when processing hard alloy steels.
- Accessories can be used on drill machine and other machines.

Unit:mm

| Order No. | Model | Package size | N.W. | Remark |
|---|---|---|---|---|
| **54874-250** | TCT-250 | 41x29.5x20cm | 0.55kg | 10 pcs / box |
| **54874-500** | TCT-500 | 41x29.5x20cm | 0.70kg | 10 pcs / box |

## 54876 TCTB Multi-function Mist Coolant System



### Features :

- Operating cooling, lubricating and removing metal chips at the same time.
- Increasing cost effectiveness, efficiency and durability of tools.
- Ensure better processing quality as well as performance of tools.
- Assisting better surface finished when processing hard alloy steels.
- Accessories can be used on drill machine and other machines.

Unit:mm

| Order No. | Model | Package size | N.W. |
|---|---|---|---|
| **54876-500** | TCTB-500 | 29x16x9cm | 1.7kg |

## 54880 PA Magnetic Base Spray Nozzles




PA-10




PA-9

### Features :

- Suitable for drill, milling and grinding machines.
- Reducing temp. on tools for durability and performance.
- Easily to locate, tubes are free to adjusted and water volume control.
- With powerful magnetic base, it can be placed anywhere on steels.

| Order No. | Model | Tube Length | Magnetic base spec. | | | Mag. Force (N) | N.W. |
|---|---|---|---|---|---|---|---|
| | | | L | W | H | | |
| 54880-01 | PA-10 | 365 | 60 | 50 | 55 | 80kgf | 1.6kg |
| 54880-02 | PA-9 | 365 | 60 | 50 | 55 | 80kgf | 1.62kg |

## 54882 PB Magnetic Base Spray Nozzles



PB1



PB2

**54882-03**

PB1(Mag.NO-OFF)

| | |
|---|---|
| Magnetic base | 1set |
| 10pcs1/4"segment | 1pcs |
| 1"Flare Nozzle | 1pcs |
| 1/4"PT connector | 1pcs |

**54882-04**

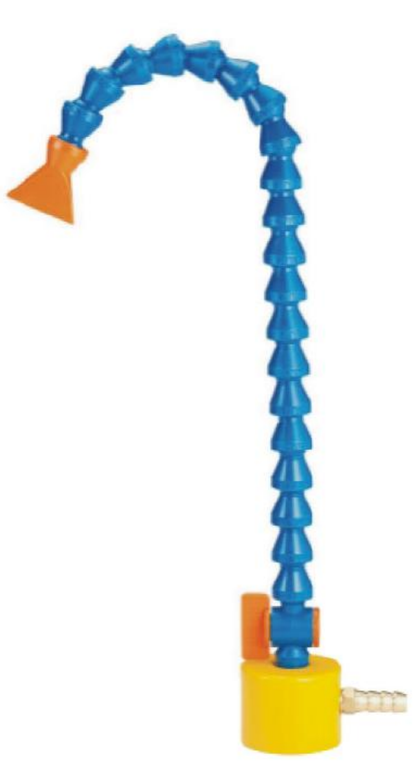
PB2(Mag.NO-OFF)

| | |
|---|---|
| Magnetic base | 1set |
| 10pcs1/4"segment | 1pcs |
| 1"Flare Nozzle | 1pcs |
| 1/4"PT connector | 1pcs |

## 54884 PC Magnetic Base Spray Nozzles



PC1



PC2

**54884-05**

PC1(Mag.NO-OFF)

| | |
|---|---|
| Magnetic base | 1set |
| 20pcs1/4"segment | 1pcs |
| 1"Flare Nozzle | 1pcs |
| 1/4"PT connector | 1pcs |

**54884-06**

PC2(Mag.NO-OFF)

| | |
|---|---|
| Magnetic base | 1set |
| 20pcs1/4"segment | 1pcs |
| 1"Flare Nozzle | 1pcs |
| 1/4"PT connector | 1pcs |



PD1(33cm Hose Kit)

**54886-01**

PD1(33cm Hose Kit)

| | |
|---|---|
| 1/4"PT or NPT Connector | 1pc |
| 1/4" segment | 20pcs |
| 1/16" ,1/8"or 1/4" Nozzle | 1pc |



PD2(33cm Hose Kit)

**54886-02**

PD2(33cm Hose Kit)

| | |
|---|---|
| 1/4"PT or NPT Connector | 1pc |
| 1/4" segment | 20pcs |
| 1/16" ,1/8"or 1/4" Nozzle | 1pc |



PD3(36cm Hose Kit)

**54886-03**

PD3(36cm Hose Kit)

| | |
|---|---|
| 3/8"PT or NPT Connector | 1pc |
| 3/8" segment | 16pcs |
| 1/4" ,3/8"or 1/2"Nozzle | 1pc |



PD4(36cm Hose Kit)

**54886-04**

PD4(36cm Hose Kit)

| | |
|---|---|
| 3/8"PT or NPT Connector | 1pc |
| 3/8" segment | 16pcs |
| 1/4" ,3/8"or 1/2"Nozzle | 1pc |



PD5(33cm Hose Kit)

**54886-05**

PD5(33cm Hose Kit)

| | |
|---|---|
| 1/2"PT or NPT Connector | 1pc |
| 1/2"segment | 12pcs |
| 1/4" ,3/8"or 1/2"Nozzle | 1pc |



PD6(33cm Hose Kit)

**54886-06**

PD6(33cm Hose Kit)

| | |
|---|---|
| 1/2"PT or NPT Connector | 1pc |
| 1/2"segment | 12pcs |
| 1/4" ,3/8"or 1/2"Nozzle | 1pc |

## 54890 MD Magnetic Base




N.W.1.1kg

### Features :

- Suitable for applying on dial indicator, LED light, coolant nozzle and diamond tip etc...
- Mag. Force: 80kgf
- Magnetic base dimension: (LxWxH) 60mm x 50mm x 55mm

## 54892 MT Permanent Magnetic Lifter(Handle Type)




### Features :

- Loading Capacity: MT-6S (80 kgf)
  MT-10S (160 kgf)

Unit:mm

| Order No. | Model | L | W | H | N.W. |
|---|---|---|---|---|---|
| **54892-01** | MT-6S | 60 | 50 | 55 | 1.15kg |
| **54892-02** | MT-10S | 120 | 50 | 55 | 2.00kg |

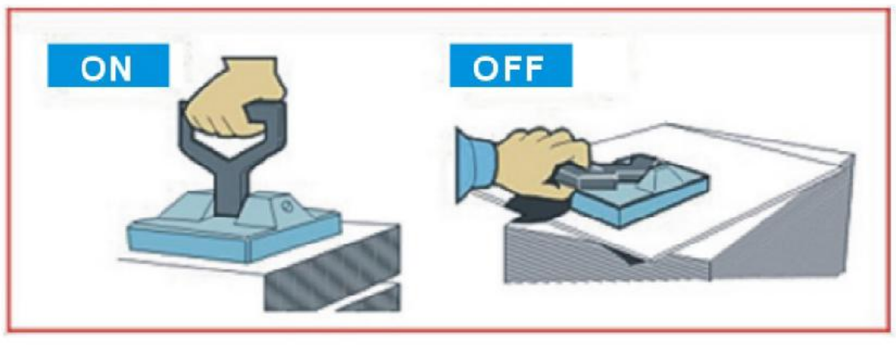
## 54894 MTT Magnetic Lifter

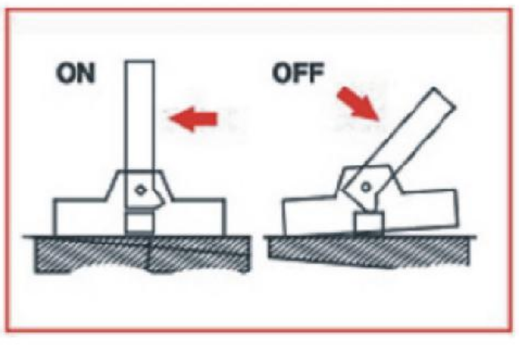



N.W.2.0kg

### Features :

- New structure design, ON-OFF switch on the subject's surface.
- Mag. Force: 150kgf
- Magnetic base dimension: (LxWxH) 140mm x 100mm x 190mm



## 54896 MH Magnetic Holder



MH-26S



MH-60S



MH-30R



MH-40R



MH-50R



MH-10H



MH-18H



MH-25H

Unit:mm

| Order No. | Model | Mag. Force | Spec. | N.W. |
|---|---|---|---|---|
| **54896-01** | MH-10H | 3 kgf | ∅ 10x8 | 0.005kg |
| **54896-02** | MH-18H | 5 kgf | ∅ 18x8 | 0.016kg |
| **54896-03** | MH-25H | 9 kgf | ∅ 25x10 | 0.04kg |
| **54896-04** | MH-30R | 15 kgf | ∅ 30x25 | 0.11kg |
| **54896-05** | MH-40R | 30 kgf | ∅ 40x30 | 0.24kg |
| **54896-06** | MH-50R | 50 kgf | ∅ 50x40 | 0.50kg |
| **54896-07** | MH-26S | 10 kgf | 26x26x25 | 0.11kg |
| **54896-08** | MH-60S | 20 kgf | 60x26x25 | 0.25kg |

## 54898 MTB Magnetic Base




MTB120




MTB80




MTB60




MTB35

Unit:mm

| Order No. | Model | Hole spec. | Magnetic Base Spec. | | | Mag. Force (N) | N.W. |
|---|---|---|---|---|---|---|---|
| | | | L | W | H | | |
| **54898-01** | MTB35 | M8x1.25 | 35 | 30 | 35 | 25kgf | 0.2kg |
| **54898-02** | MTB60 | | 60 | 50 | 55 | 80kgf | 1.0kg |
| **54898-03** | MTB80 | | 80 | 50 | 55 | 100kgf | 1.4kg |
| **54898-04** | MTB120 | | 120 | 50 | 55 | 160kgf | 2.0kg |

## 54900 CZA Magnetic Indicator Stands



### Features :

- Standard type.
- Powerful magnetic base.
- Suitable for applying on dial indicator etc...

Unit:mm

| Order No. | Model | Main Lever | Sub Lever | Base spec. L x W x H | Screw hole | Mag. Force | N.W. |
|---|---|---|---|---|---|---|---|
| 54900 | CZA-8C | ∅12X176 | ∅10X160 | 60X50X55 | M8x1.25 | 80kgf | 1.4kg |

## 54902 CZB Magnetic Stands With Fine Adjustment



### Features :

- Fine-tuning type with spring, more flexible.
- Powerful magnetic base.
- Suitable for applying on dial indicator etc...

Unit:mm

| Order No. | Model | Main Lever | Sub Lever | Base spec. L x W x H | Screw hole | Mag. Force | N.W. |
|---|---|---|---|---|---|---|---|
| 54902 | CZB-8C | ∅12X176 | ∅10X150 | 60X50X55 | M8x1.25 | 80kgf | 1.4kg |

## 54904 CZC Extra Stem Magnetic Indicator Stand With Fine Adjustment



### Features :

- Fine-tuning type with spring, more flexible.
- One main lever, two sub levers.
- Powerful magnetic base.
- Suitable for applying on dial indicator etc...

Unit:mm

| Order No. | Model | Main Lever | Sub Lever (middle) | Sub Lever | Base spec. L x W x H | Screw hole | Mag. Force | N.W. |
|---|---|---|---|---|---|---|---|---|
| 54904-01 | CZC-10B | ∅20X170 | ∅14X170 | ∅12X127 | 73X50X55 | M8x1.25 | 100kgf | 2.0kg |
| 54904-02 | CZC-10DL | ∅20X350 | ∅16X165 | ∅12X129 | 117X50X55 | M10x1.5 | 130kgf | 3.5kg |

## 54916 NHA High Precision Magnetic Stand







### Features :

- New dovetail fine-tuning device, more accurate and stability.
- Non-magnetic stainless made of main and sub lever.
- Powerful magnetic base.

Unit:mm

| Order No. | Model | Screw hole | Main Lever | Sub Lever | Base spec. L x W x H | Mag. Force | N.W. |
|---|---|---|---|---|---|---|---|
| **54916** | NHA | M8X1.25 | ∅12X175 | ∅10X160 Fine-tuning | 48X40X49 | 35kgf | 1.2kg |

Dial indicator please refer Page. D22~23

## 54918 NHB High Precision Magnetic Stand







### Features :

- New dovetail fine-tuning device, more accurate and stability.
- Non-magnetic stainless made of main and sub lever.
- Powerful magnetic base.

Unit:mm

| Order No. | Model | Screw hole | Main Lever | Sub Lever | Base spec. L x W x H | Mag. Force | N.W. |
|---|---|---|---|---|---|---|---|
| **54918** | NHB | M8X1.25 | ∅14X200 | ∅12X165 Fine-tuning | 60X50X55 | 80kgf | 1.5kg |

## 54920 NHC High Precision Magnetic Stand







### Features :

- New dovetail fine-tuning device, more accurate and stability.
- Non-magnetic stainless made of main and sub lever.
- Powerful magnetic base.

Unit:mm

| Order No. | Model | Screw hole | Main Lever | Sub Lever | Base spec. L x W x H | Mag. Force | N.W. |
|---|---|---|---|---|---|---|---|
| **54920** | NHC | M10X1.5 | ∅16X250 | ∅14X180 Fine-tuning | 80X50X55 | 100kgf | 2.3kg |

## 54922 NSA Mechanical Universal Magnetic Stands




NSA01 NSA02

### Features :

- Mini & economic type.
- Main axle is made of aluminum.
- Mechanic structure, no leaking oil problem.

Unit:mm

| Order No. | Model | Base spec. L x W x H | Gauge hole | Mag. Force | N.W. |
|---|---|---|---|---|---|
| 54922-01 | NSA01 | 35X30X35 | 8.0 ±0.02 | 30kgf | 0.3kg |
| 54922-02 | NSA02 | | | | |

Dial indicator please refer Page. D22~23

## 54924 NSB Mechanical Universal Magnetic Stands




### Features :

- Mini & economic type.
- Fine-tuning structure on base, easy to adjust.
- Mechanic structure, no leaking oil problem.

Unit:mm

| Order No. | Model | Base spec. L x W x H | Gauge hole | Mag. Force | N.W. |
|---|---|---|---|---|---|
| 54924 | NSB | 35X30X35 | 8.0 ±0.02 | 30kgf | 0.3kg |

## 54926 NSC Mechanical Universal Magnetic Stands




NSC01 NSC02

### Features :

- Mini & economic type.
- Fine-tuning structure on base, easy to adjust.
- Mechanic structure, no leaking oil problem.

Unit:mm

| Order No. | Model | Base spec. L x W x H | Gauge hole | Mag. Force | N.W. |
|---|---|---|---|---|---|
| 54926-01 | NSC01 | 35X30X35 | 8.0 ±0.02 | 30kgf | 0.3kg |
| 54926-02 | NSC02 | 40X40X40 | | 35kgf | 0.4kg |

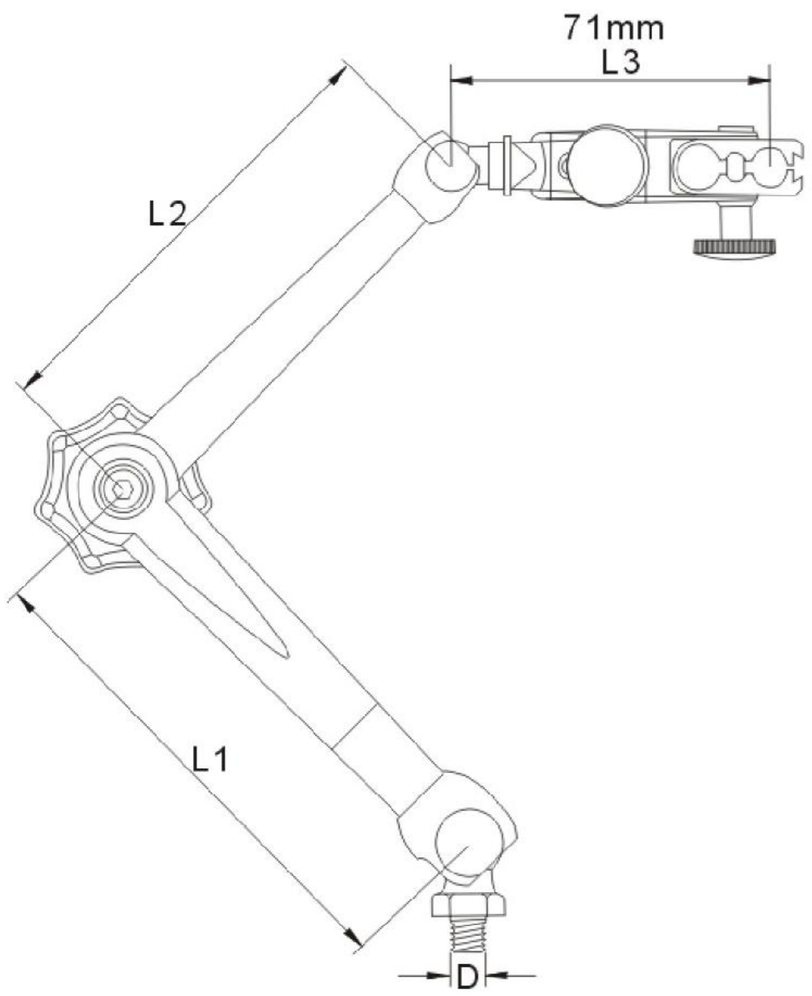
# 54928 NF/DG/MG/MA Universal Arm Magnetic Base

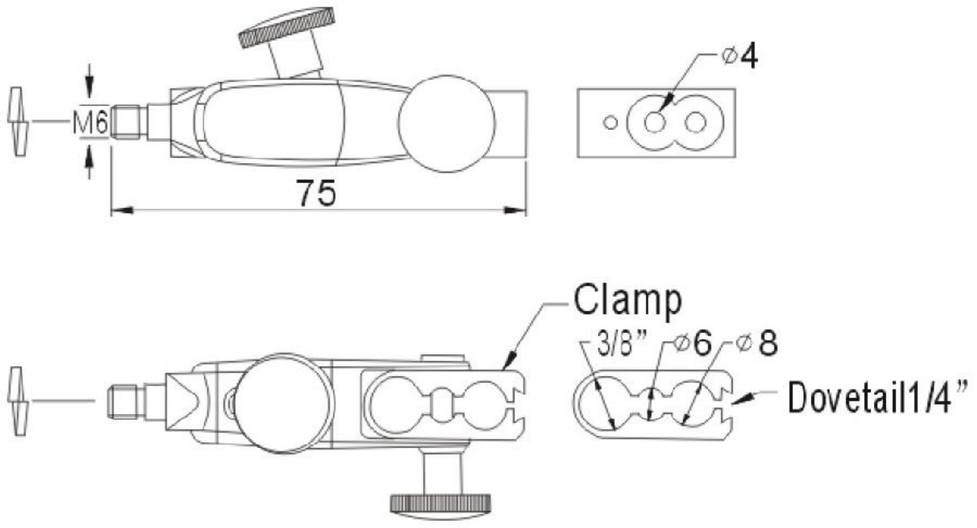


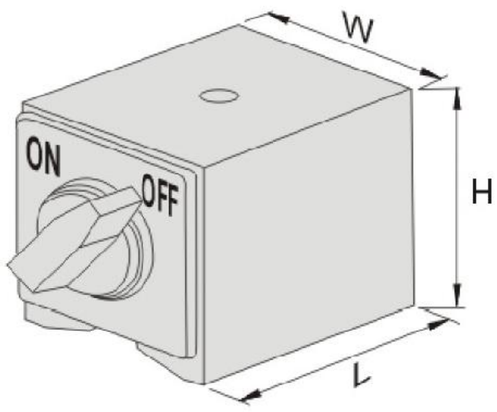
NF61003 DG61003 MG61003 MA61003

## Features :

- Powerful ON-OFF magnetic base.
- Central locking mechanism with designed spring.
- Black finished arms.
- Universal swivel clamp for all dial and test indicator. holds ∅6mm, ∅8mm, ∅**3/8"** and**1/4"** dovetails and back lug.
- Instant fixation in any position.




MAGNETIC TOOLS

☞ Dial indicator please refer Page. D22~23

Unit:mm

| Order No. | Model | Arm length | | | Magnetic base spec. | | | Thread | Force (N) | N.W. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | L1 | L2 | L1+L2+L3 | W | H | L | D | | |
| **54928-01** | NF61003 | 56 | 51 | 178 | 30 | 35 | 40 | Ext. M5 | 320 | 0.5kg |
| **54928-02** | DG61003 | 110 | 101 | 282 | 50 | 55 | 60 | Ext. M8 | 800 | 1.3kg |
| **54928-03** | MG61003 | 133 | 113 | 317 | 50 | 55 | 60 | Ext. M8 | 800 | 1.9kg |
| **54928-04** | MA61003 | 326 | 242 | 637 | 50 | 55 | 120 | Ext.M10x1.25 | 1300 | 5.1kg |

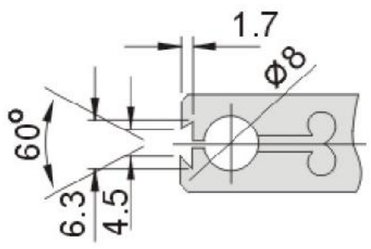
# 54930 BS330 Universal Arm Magnetic Base

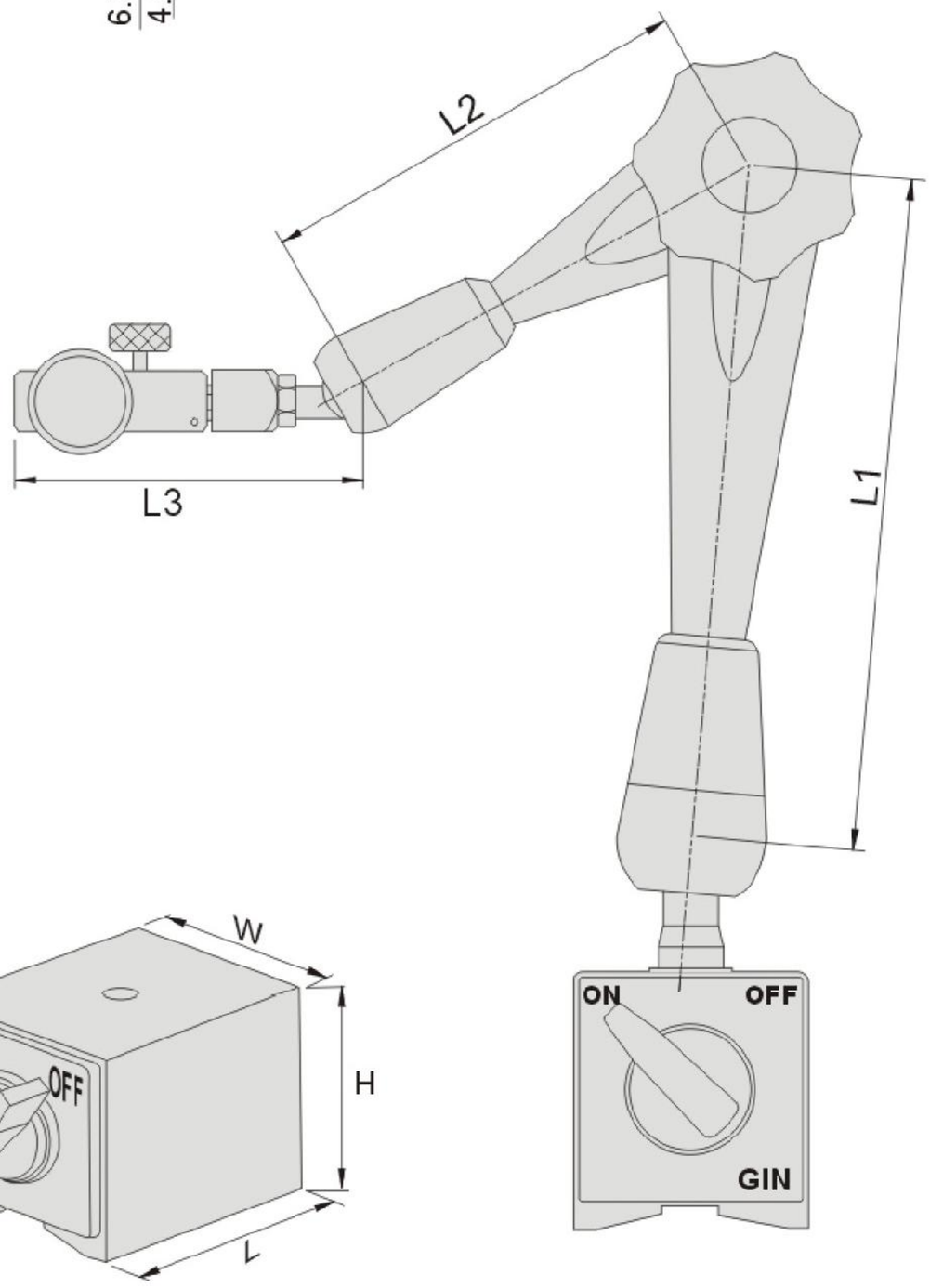



BS330L BS330M BS330S

## Features :

- Mechanical arm.
- Powerful ON-OFF magnetic base.
- Universal swivel clamp for all dial and test indicator.
- Holds ∅8mm and1/4" dovetails and back lug.
- Instant fixation in any position.



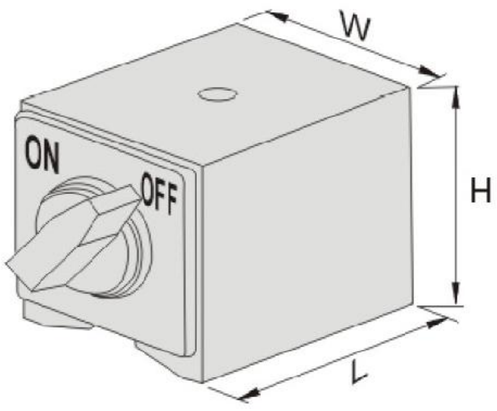




Fine-tuning





Optional accessory: P.D22
Dial indicator




Dial indicator please refer Page. D22~23

Unit:mm

| Order No. | Model | Arm length | | L3 | Magnetic base spec. | | | Force (N) | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| | | L1 | L2 | | L | W | H | | |
| **54930-01** | BS330S | 110 | 75 | 65 | 60 | 50 | 55 | 80kgf | 1.5kg |
| **54930-02** | BS330M | 150 | 98 | 65 | 60 | 50 | 55 | 80kgf | 1.7kg |
| **54930-03** | BS330L | 185 | 145 | 70 | 80 | 50 | 55 | 100kgf | 2.2kg |

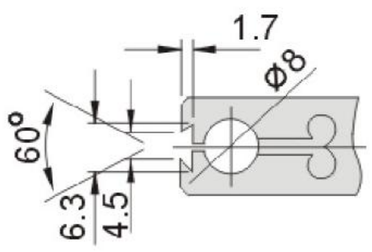
# 54932 BS Universal Arm Magnetic Base




*BS360* *BS340* *BS320*

## Features :

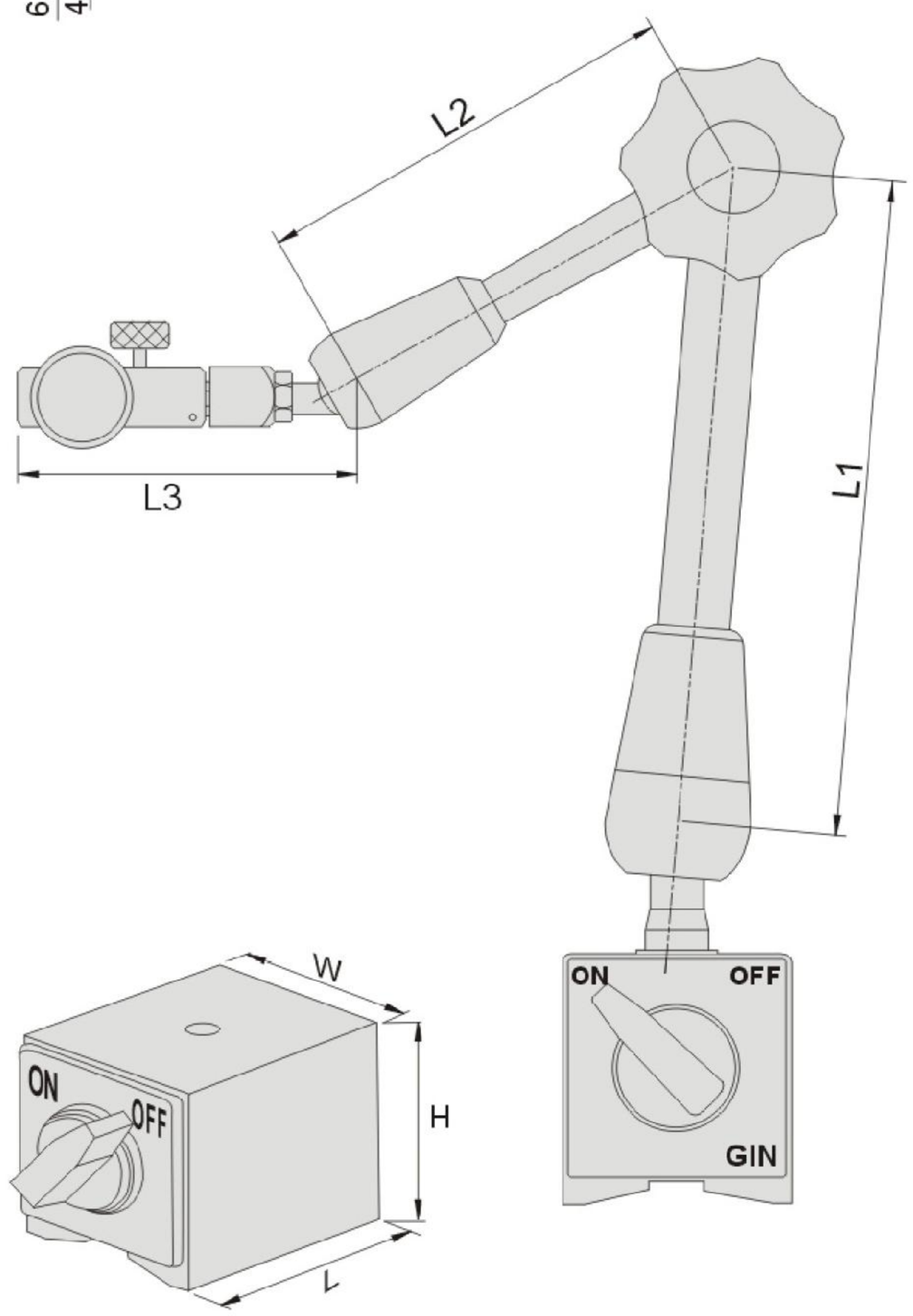
- Mechanical arm.
- Powerful ON-OFF magnetic base.
- Universal swivel clamp for all dial and test indicator.
- Holds ∅8mm and1/4" dovetails and back lug.
- Instant fixation in any position.




BS360:




Optional accessory: P.D22
Dial indicator




Dial indicator please refer Page. D22~23

Unit:mm

| Order No. | Model | Arm length | | L3 | Magnetic base spec. | | | Force (N) | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| | | L1 | L2 | | L | W | H | | |
| **54932-01** | BS320 | 112 | 102 | 65 | 60 | 50 | 55 | 80kgf | 1.3kg |
| **54932-02** | BS340 | 135 | 110 | 70 | 60 | 50 | 55 | 80kgf | 1.6kg |
| **54932-03** | BS360 | 145 | 130 | 80 | 80 | 50 | 55 | 100kgf | 1.9kg |

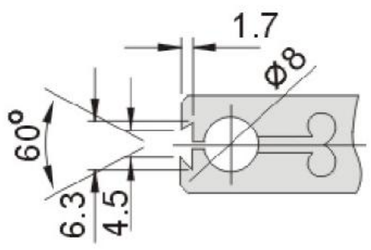
# 54934 BS300 Universal Arm Magnetic Base

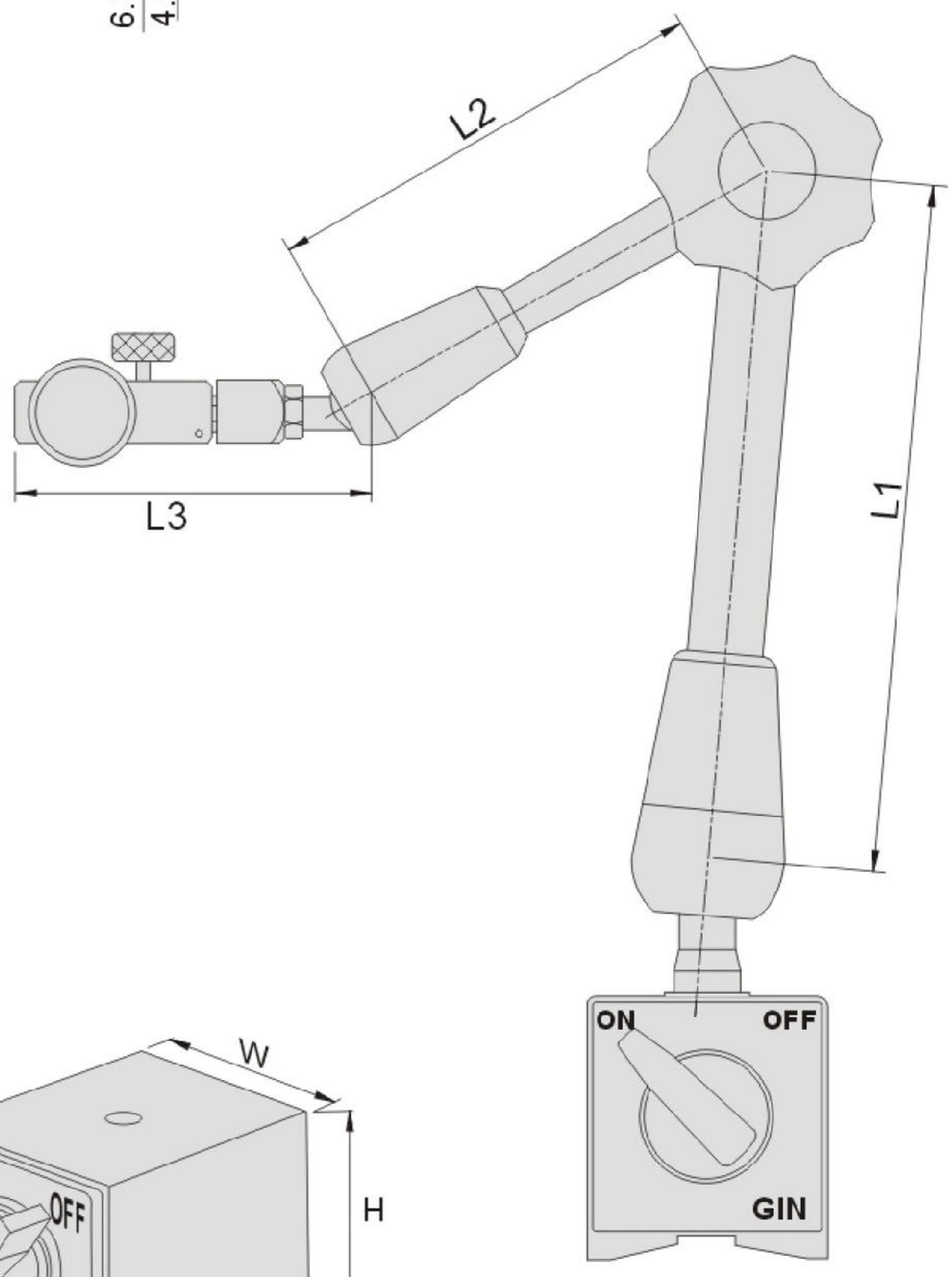



*BS300L* *BS300M* *BS300S*

## Features :

- Precision hydraulic arm.
- Powerful ON-OFF magnetic base.
- Universal swivel clamp for all dial and test indicator.
- Holds ∅8mm and**1/4"** dovetails and back lug.



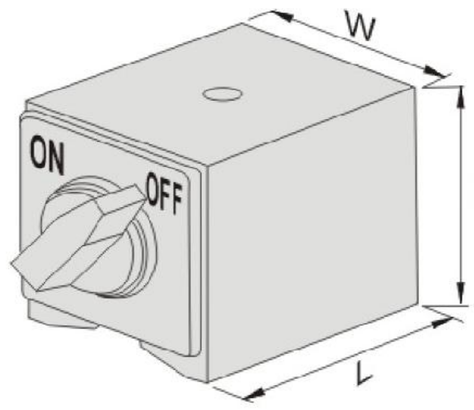




Fine-tuning





Optional accessory: P.D22
Dial indicator




Dial indicator please refer Page. D22~23

Unit:mm

| Order No. | Model | Arm length | | L3 | Magnetic base spec. | | | Force (N) | N.W. |
|---|---|---|---|---|---|---|---|---|---|
| | | L1 | L2 | | L | W | H | | |
| **54934-01** | BS300S | 120 | 118 | 70 | 80 | 50 | 55 | 100kgf | 1.9kg |
| **54934-02** | BS300M | 168 | 166 | 70 | 80 | 50 | 55 | 100kgf | 2.0kg |
| **54934-03** | BS300L | 285 | 280 | 95 | 120 | 50 | 55 | 160kgf | 3.3kg |

## 54935 BS380 Universal Arm Magnetic Base




BS380LL BS380L BS380M BS380S

### Features :

- Powerful ON-OFF magnetic base.
- Universal swivel clamp for all dial and test indicator.
- Holds ∅8mm dovetails and back lug.

Unit:mm

| Order No. | Model | Arm Length | Magnetic base spec. | | | Force (N) | N.W. |
|---|---|---|---|---|---|---|---|
| | | | L | W | H | | |
| 54935-01 | BS380S | 110 | 40 | 40 | 40 | 35kgf | 1.0kg |
| 54935-02 | BS380M | 180 | 60 | 50 | 55 | 80kgf | 1.5kg |
| 54935-03 | BS380L | 255 | 60 | 50 | 55 | 80kgf | 1.7kg |
| 54935-04 | BS380LL | 360 | 75 | 50 | 55 | 100kgf | 1.9kg |

## 54936 BS Universal Arm Magnetic Base




BS450 BS400

BS600 BS500

### Features :

- Precision hydraulic arm.
- Powerful ON-OFF magnetic base.
- Universal swivel clamp for all dial and test indicator.
- Holds ∅8mm dovetails and back lug.

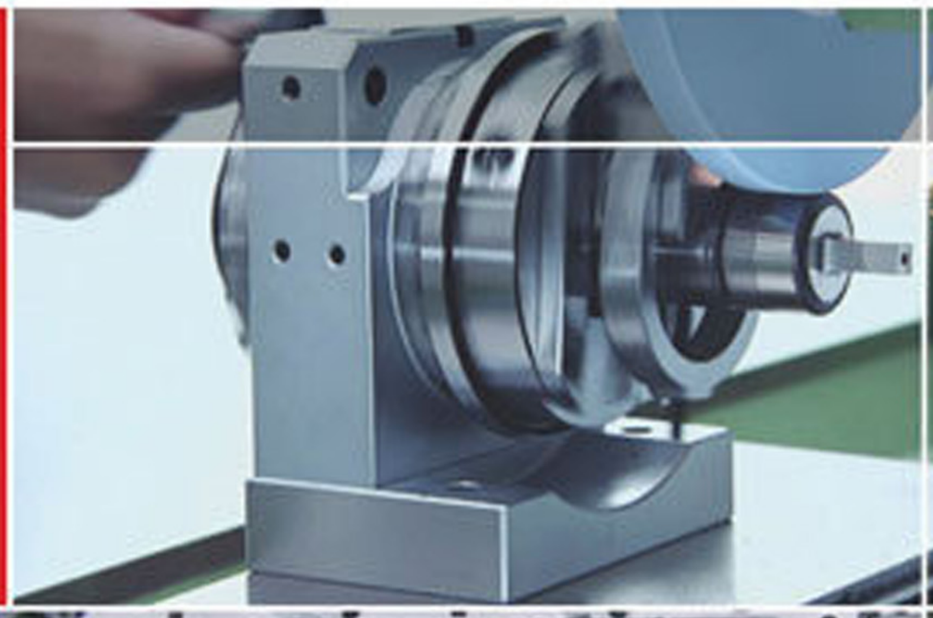
Fine-tuning

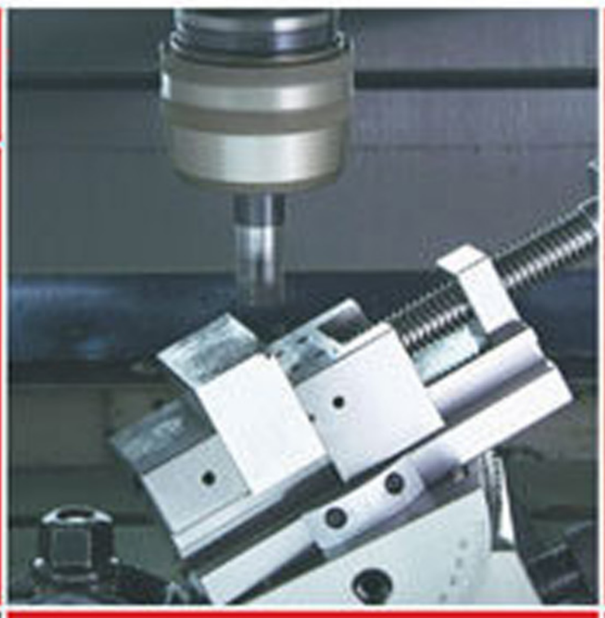


BS600&BS500

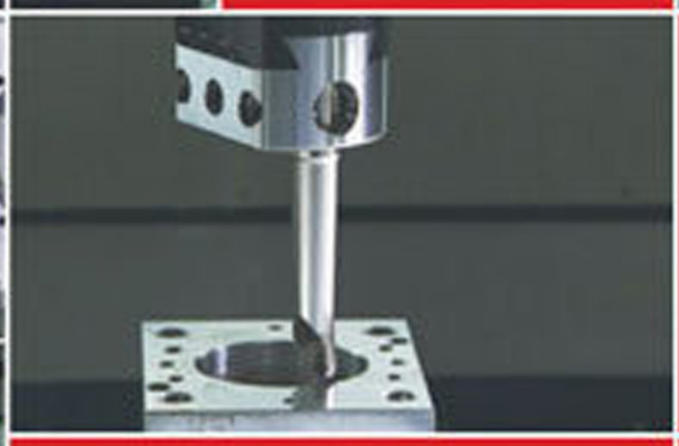
Unit:mm

| Order No. | Model | Arm Length | Magnetic base spec. | | | Force (N) | N.W. |
|---|---|---|---|---|---|---|---|
| | | | L | W | H | | |
| 54936-01 | BS400 | 310 | 75 | 50 | 55 | 100kgf | 1.8kg |
| 54936-02 | BS450 | 425 | 75 | 50 | 55 | 100kgf | 2.0kg |
| 54936-03 | BS500 | 240 | 60 | 50 | 55 | 80kgf | 1.7kg |
| 54936-04 | BS600 | 320 | 75 | 50 | 55 | 100kgf | 1.9kg |









Agent/ Distributor


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