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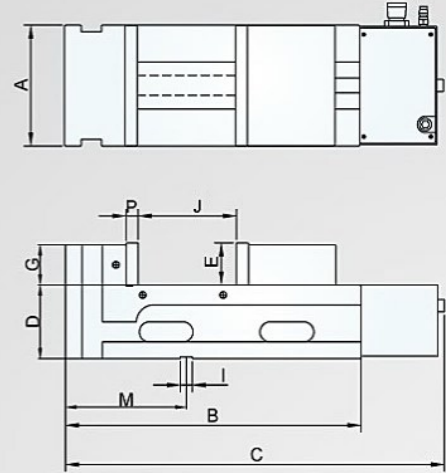
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# MACHINE VISE SERIES

## MC PRECISION SUPER HI-PRESSURE RAPID VISE

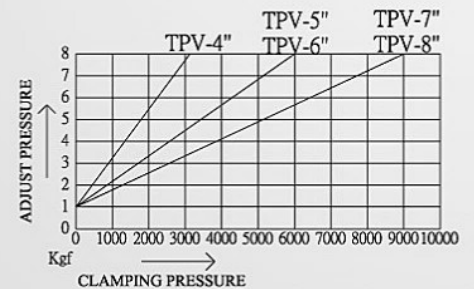
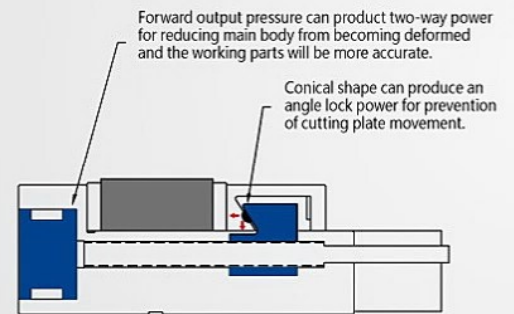


### Features

- ▶ **Quick clamping and relieving**  
The vise principle is the use reciprocating air compressor motor. The method of oil passage by pushing continuous pressure to achieve automation.
- ▶ **High clamping force**  
Low-pressure compressed air source 8kg / cm<sup>2</sup>, the clamping force can be up to ultrahigh 9000 kgf.
- ▶ **Automatically find the highest pneumatic source**  
When copper and aluminum products are light processing or raw material of cast iron is heavy cutting. Set at the desired pressure with the regulator, will not result in low air pressure source and loss of pressure, and the regulator can fill and fix the pressure function automatically, to ensure the clamp of the workpiece.
- ▶ **Humanized design**  
Just a manual switch control vise switch, the switching speed of just 1.5 seconds, holding a safe distance for 8mm, during operation to prevent injured. When the clamp can also be done with a special automated unmanned production system design (can be used with electrically controlled valve or via the controller machine's operation).
- ▶ **Stand, side, lying with three for use**  
Vises fix sizes, body's six-sides polished plate and set aside slots, no fixture plate, you can vertical processing.
- ▶ **Ultra Material**  
Vise body material with high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC45 °), ensure high precision and high wear resistance, high tensile strength.
- ▶ **Hemi-spherical structure**  
The semi-sphere shape can be generated under the power of the lock, the jaw plate doesn't lift and the workpiece doesn't tilt.

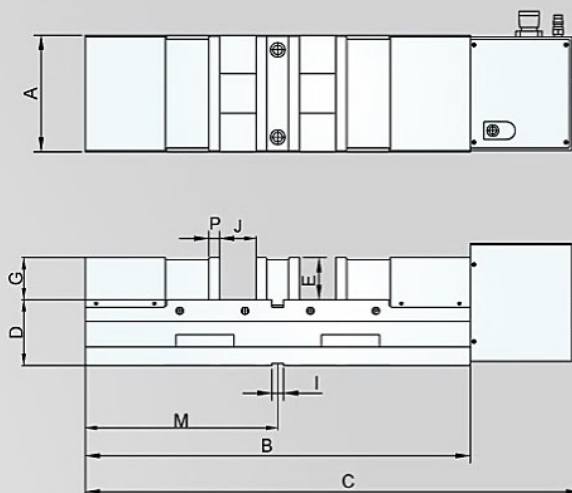
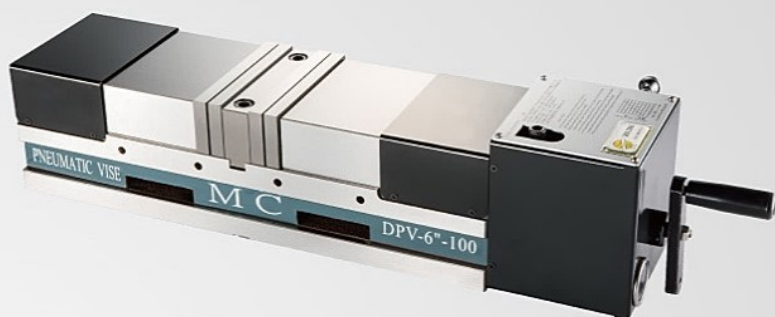
### Standard Accessories

- Handle x 1 pc ■ Guide key x 2 pcs / Screw M6x10L x 2 pcs
- Vise locked block x 4 pcs



| MODEL      | A   | B   | C   | D   | E  | G  | I  | M   | P  | J   | Clamping Force kgf | G.W. KG |
|------------|-----|-----|-----|-----|----|----|----|-----|----|-----|--------------------|---------|
| TPV-4"-100 | 100 | 320 | 435 | 100 | 48 | 45 | 16 | 145 | 15 | 100 | 3200               | 29      |
| TPV-5"-150 | 130 | 380 | 505 | 105 | 55 | 52 | 18 | 145 | 15 | 150 | 6000               | 40      |
| TPV-6"-160 | 160 | 400 | 525 | 105 | 58 | 55 | 18 | 145 | 15 | 160 | 6000               | 50      |
| TPV-6"-250 | 160 | 490 | 615 | 105 | 58 | 55 | 18 | 145 | 15 | 250 | 6000               | 55      |
| TPV-7"-200 | 180 | 460 | 585 | 110 | 63 | 60 | 18 | 180 | 18 | 200 | 9000               | 72      |
| TPV-8"-200 | 200 | 470 | 595 | 110 | 63 | 60 | 18 | 180 | 18 | 200 | 9000               | 80      |
| TPV-8"-300 | 200 | 570 | 695 | 110 | 63 | 60 | 18 | 180 | 18 | 300 | 9000               | 90      |

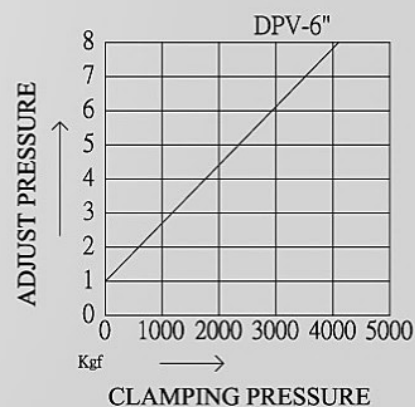
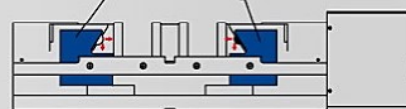
## MC SUPER HI-PRESSURE DOUBLE VISE



### Features

- ▶ **Double clamping structure**  
Clamping two workpieces simultaneously, increasing productivity, so that the original function of holding more rapid upgrade.
- ▶ **Quick clamping and relieving**  
The vise principle is the use of reciprocating air compressor motor. The method of oil passage by pushing continuous pressure to achieve automation.
- ▶ **High clamping force**  
Low-pressure compressed air source 8kg / cm<sup>2</sup>, the clamping force can be up to ultra-high 4000 kgf.
- ▶ **Automatically find the highest pneumatic source**  
When copper and aluminum products are light processing or raw material of cast iron is heavy cutting. Set at the desired pressure with the regulator, will not result in low air pressure source and loss of pressure, and the regulator can fill and fix the pressure function automatically, to ensure the clamp of the workpiece.
- ▶ **Humanized design**  
Just a manual switch control vise switch, the switching speed of just 1.5 seconds, holding a safe distance for 5mm. During operation to prevent injured. When the clamp can also be done with a special automated unmanned production system design (can be used with electrically controlled valve or via the controller machine's operation).
- ▶ **Ultra Material**  
Vise body material is high ductility of spherical graphite cast iron (FCD600), vise both sides of the slide hardened heat (HRC45 °), ensure high precision and high wear resistance, high tensile strength.
- ▶ **Hemi-spherical structure**  
The semi-sphere shape can be generated under the power of the lock, the jaw plate doesn't lift and the workpiece doesn't tilt.

Conical shape can produce an angle lock power for prevention of cutting plate movement.



### Standard Accessories

- Handle x 1 pc
- Guide key x 2 pcs / Screw M6x10L x 2 pcs
- Vise locked block x 4 pcs

| MODEL      | A   | B   | C   | D  | E  | G  | I  | M   | P  | J   | Clamping Force kgf | G.W. KG |
|------------|-----|-----|-----|----|----|----|----|-----|----|-----|--------------------|---------|
| DPV-6"-100 | 160 | 530 | 680 | 90 | 58 | 55 | 18 | 265 | 15 | 100 | 4000 kgf           | 66      |

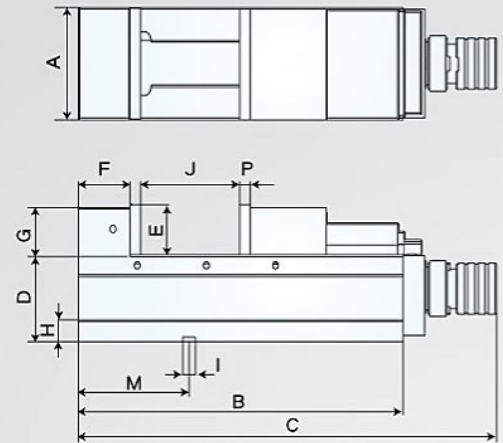


# MACHINE VISE SERIES

## MC POWER MACHINE VISE -MECHANICAL TYPE



MPPV



### Four clamping ways for choice

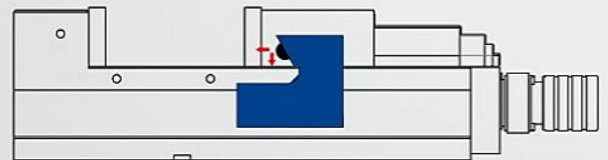


### Features

- ▶ The vise is made by precision processing and grinding processes, it's suitable for vertical / horizontal machine centers to precision processing.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Jaw hardened heat (HRC55°).
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted.
- ▶ Mechanical Mechanism design (patent design) with rapid pressurization and high clamping force of the unique characteristics of the pressuring mechanism (highest up to 5500 kgf).
- ▶ The vise has four clamping ways for client to choice.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged inside the interior and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Ratchet handle x1pc ■ Adapter x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs

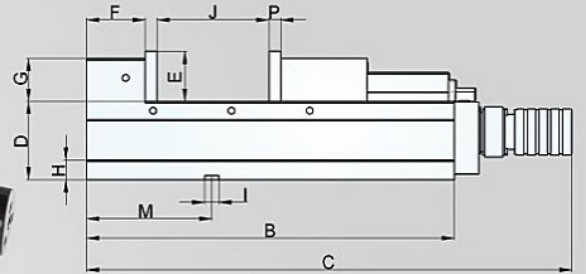
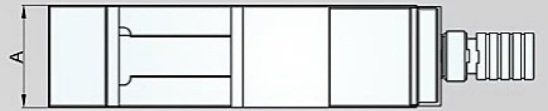


| MODEL     | A   | B   | C   | D   | E  | F  | G  | H  | I  | M   | P  | J   | J1  | J2  | J3  | Clamping Force kgf | G.W. KG |
|-----------|-----|-----|-----|-----|----|----|----|----|----|-----|----|-----|-----|-----|-----|--------------------|---------|
| MPPV-100A | 100 | 395 | 530 | 85  | 53 | 60 | 50 | 25 | 18 | 110 | 15 | 200 | 280 | 320 | 390 | 3500               | 28      |
| MPPV-130A | 130 | 470 | 605 | 100 | 58 | 75 | 55 | 25 | 18 | 160 | 15 | 250 | 340 | 370 | 460 | 4500               | 45      |
| MPPV-160A | 160 | 545 | 680 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 300 | 390 | 430 | 530 | 5000               | 64      |
| MPPV-160S | 160 | 488 | 622 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 250 | 350 | 390 | 480 | 5000               | 58      |
| MPPV-160L | 160 | 750 | 885 | 100 | 63 | 90 | 60 | 25 | 18 | 200 | 18 | 500 | 600 | 640 | 740 | 5000               | 90      |
| MPPV-200A | 200 | 615 | 750 | 110 | 63 | 95 | 60 | 25 | 18 | 220 | 18 | 350 | 460 | 490 | 600 | 5500               | 86      |

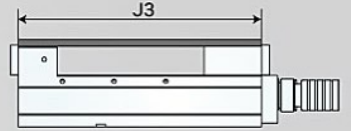
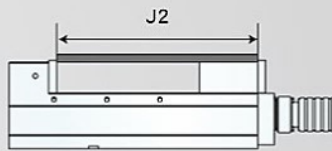
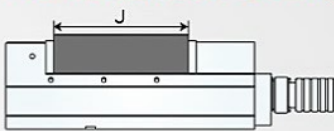
## MC POWER MACHINE VISE -HYDRAULIC TYPE



HPPV



### Four clamping ways for choice

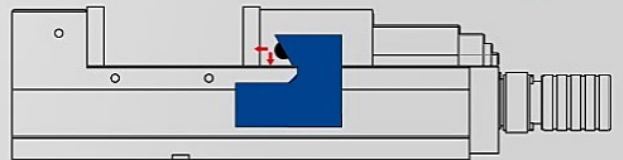


### Features

- ▶ The vise is made by precision processing and grinding processes, it's suitable for vertical / horizontal machine centers to precision processing.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Jaw hardened heat (HRC55°).
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted.
- ▶ Hydraulic Mechanism design (patent design) with rapid pressurization and high clamping force of the unique characteristics of the pressuring mechanism (highest up to 5500 kgf).
- ▶ The vise has four clamping ways for client to choice.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged inside the interior and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Ratchet handle x1 pc ■ Adapter x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs



| MODEL     | A   | B   | C   | D   | E  | F  | G  | H  | I  | M   | P  | J   | J1  | J2  | J3  | Clamping Force kgf | G.W. KG |
|-----------|-----|-----|-----|-----|----|----|----|----|----|-----|----|-----|-----|-----|-----|--------------------|---------|
| HPPV-100A | 100 | 395 | 552 | 85  | 53 | 60 | 50 | 25 | 18 | 110 | 15 | 200 | 280 | 320 | 390 | 3500               | 29      |
| HPPV-130A | 130 | 470 | 626 | 100 | 58 | 75 | 55 | 25 | 18 | 160 | 15 | 250 | 340 | 370 | 460 | 4500               | 46      |
| HPPV-160A | 160 | 545 | 702 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 300 | 390 | 430 | 530 | 5000               | 65      |
| HPPV-160S | 160 | 488 | 644 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 250 | 350 | 390 | 480 | 5000               | 59      |
| HPPV-160L | 160 | 750 | 910 | 100 | 63 | 90 | 60 | 25 | 18 | 200 | 18 | 500 | 600 | 640 | 740 | 5000               | 91      |
| HPPV-200A | 200 | 615 | 772 | 110 | 63 | 95 | 60 | 25 | 18 | 220 | 18 | 350 | 460 | 490 | 600 | 5500               | 87      |

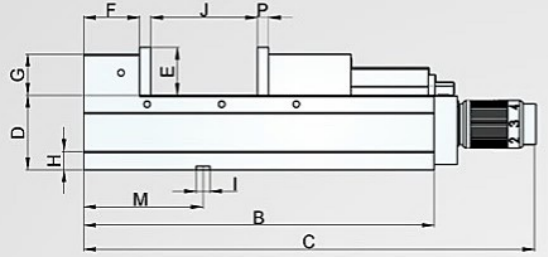
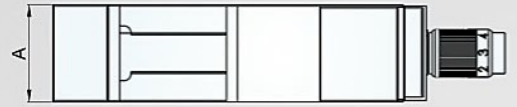


# MACHINE VISE SERIES

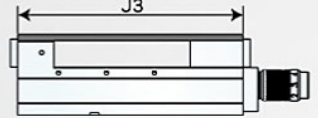
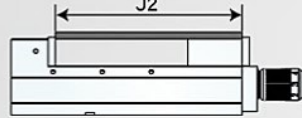
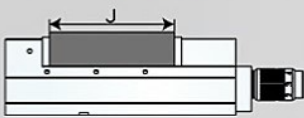
## MC POWER MACHINE VISE-ADJUSTABLE TYPE



APPV



Four clamping ways for choice

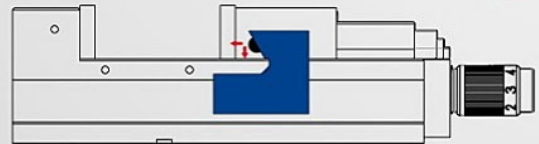


### Features

- ▶ The vise is made by precision processing and grinding processes, it's suitable for vertical / horizontal machine centers to precision processing.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Jaw hardened heat (HRC55°).
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted.
- ▶ Adjustable section mechanism design(patent design) adjustable four-stage clamping. For the different-work piece or processing methods can be adjusted to the most appropriate clamping force.(highest up to 5500 kgf)
- ▶ The vise has four clamping ways for client to choose.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged inside the interior and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

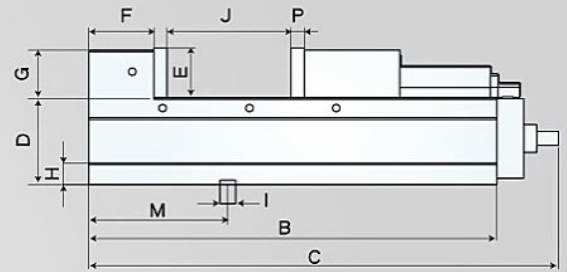
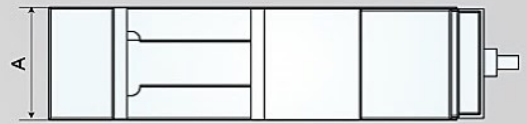
### Standard Accessories

- Ratchet handle x1 pc ■ Adapter x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs

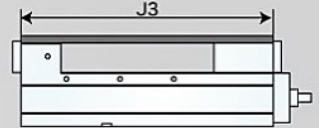
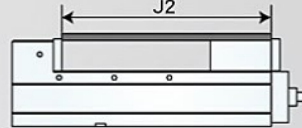
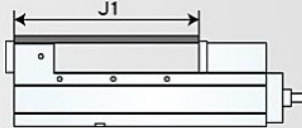
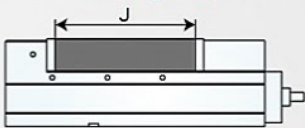


| MODEL     | A   | B   | C   | D   | E  | F  | G  | H  | I  | M   | P  | J   | J1  | J2  | J3  | Clamping Force kgf | G.W. KG |
|-----------|-----|-----|-----|-----|----|----|----|----|----|-----|----|-----|-----|-----|-----|--------------------|---------|
| APPV-100A | 100 | 395 | 527 | 85  | 53 | 60 | 50 | 25 | 18 | 110 | 15 | 200 | 280 | 320 | 390 | 3500               | 28      |
| APPV-130A | 130 | 470 | 602 | 100 | 58 | 75 | 55 | 25 | 18 | 160 | 15 | 250 | 340 | 370 | 460 | 4500               | 45      |
| APPV-160A | 160 | 545 | 677 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 300 | 390 | 430 | 530 | 5000               | 64      |
| APPV-160S | 160 | 488 | 620 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 250 | 350 | 390 | 480 | 5000               | 58      |
| APPV-160L | 160 | 750 | 885 | 100 | 63 | 90 | 60 | 25 | 18 | 200 | 18 | 500 | 600 | 640 | 740 | 5000               | 90      |
| APPV-200A | 200 | 615 | 747 | 110 | 63 | 95 | 60 | 25 | 18 | 220 | 18 | 350 | 460 | 490 | 600 | 5500               | 86      |

## MC PRECISION MACHINE VISE



Four clamping ways for choice

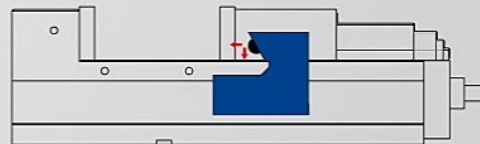
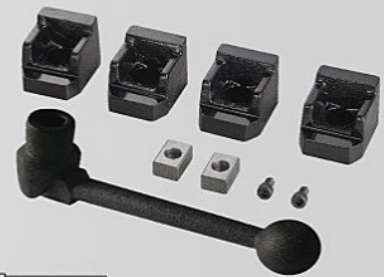


### Features

- ▶ The vise is made by precision processing and grinding processes, it's suitable for vertical / horizontal machine centers to precision processing.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Jaw hardened heat (HRC55°).
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes workpiece to be lifted.
- ▶ The vise has four clamping ways for client to choose.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Handle x1 pc ■ Guide key x2 pcs ■ Screw M6x12L x2 pcs
- Vise locked block x4 pcs



| MODEL   | A   | B   | C   | D   | E  | F  | G  | H  | I  | M   | P  | J   | J1  | J2  | J3  | G.W. KG |
|---------|-----|-----|-----|-----|----|----|----|----|----|-----|----|-----|-----|-----|-----|---------|
| MV-100A | 100 | 395 | 485 | 85  | 53 | 60 | 50 | 25 | 18 | 110 | 15 | 200 | 270 | 310 | 380 | 26      |
| MV-130A | 130 | 470 | 560 | 100 | 58 | 75 | 55 | 25 | 18 | 160 | 15 | 250 | 330 | 360 | 450 | 44      |
| MV-160A | 160 | 545 | 635 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 300 | 380 | 420 | 520 | 63      |
| MV-160S | 160 | 488 | 580 | 100 | 63 | 80 | 60 | 25 | 18 | 200 | 18 | 250 | 340 | 380 | 470 | 57      |
| MV-160L | 160 | 750 | 840 | 100 | 63 | 90 | 60 | 25 | 18 | 250 | 18 | 500 | 600 | 640 | 740 | 90      |
| MV-200A | 200 | 615 | 705 | 110 | 63 | 95 | 60 | 25 | 18 | 220 | 18 | 350 | 450 | 480 | 590 | 84      |

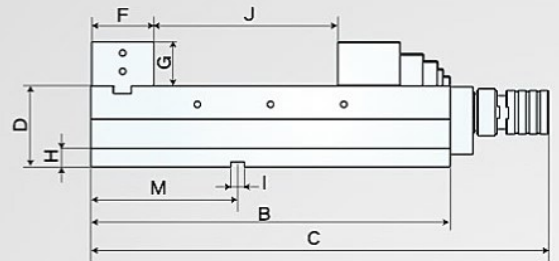
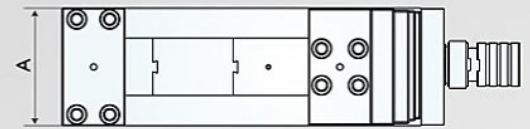


# MACHINE VISE SERIES

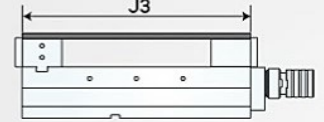
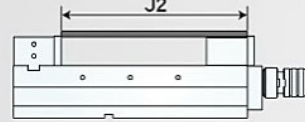
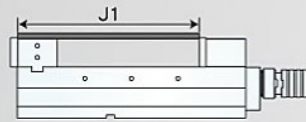
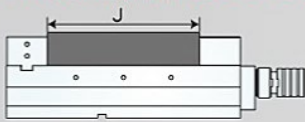
## CNC POWER MACHINE VISE -MECHANICAL TYPE



MFPV



### Four clamping ways for choice



### Features

- ▶ The vise is made by precision and grinding processes, it's suitable for vertical / horizontal machine centers.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Fixed block and sliding block are steel and heat treatment HRC 50°, hardness and wear resistance is high, user may add or replace the processing needs of different specifications of the jaw plate.
- ▶ CNC precision vise owns special nut with structure of under the pressure, can be generated under the power of the lock, remove the clamping jaw lifts and the workpiece titles.
- ▶ Mechanical Mechanism design, with rapid pressurization and high clamping force of the unique characteristics of the pressuring mechanism (highest up to 5500 kgf).
- ▶ The vise has four clamping ways for client to choose.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged inside the interior and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Ratchet handle x1 pc ■ Adapter x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs



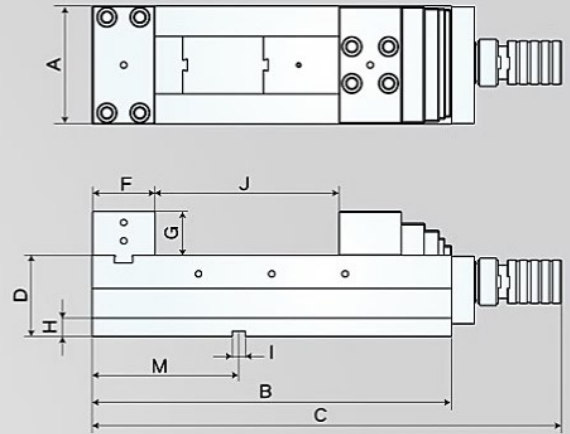
| MODEL    | A   | B   | C   | D   | F  | G  | H  | I  | M   | J   | J1  | J2  | J3  | Clamping Force kgf | G.W. KG |
|----------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|--------------------|---------|
| MFPV-100 | 100 | 310 | 445 | 85  | 75 | 50 | 25 | 18 | 110 | 150 | 210 | 210 | 300 | 3500               | 30      |
| MFPV-130 | 130 | 410 | 545 | 100 | 80 | 55 | 25 | 18 | 135 | 240 | 300 | 300 | 400 | 4500               | 45      |
| MFPV-160 | 160 | 490 | 625 | 110 | 85 | 60 | 25 | 18 | 200 | 300 | 380 | 380 | 480 | 5000               | 64      |
| MFPV-200 | 200 | 530 | 665 | 110 | 85 | 60 | 25 | 18 | 220 | 350 | 420 | 420 | 520 | 5500               | 86      |



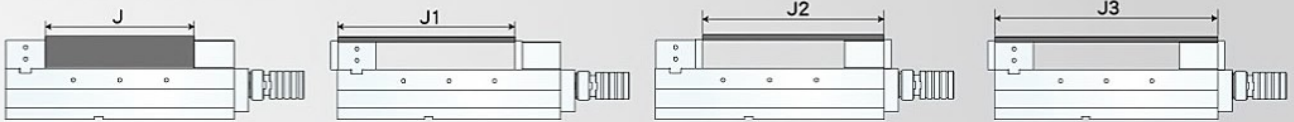
## CNC POWER MACHINE VISE - HYDRAULIC TYPE



HFPV



### Four clamping ways for choice



### Features

- ▶ The vise is made by precision and grinding processes, it's suitable for vertical / horizontal machine centers.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Fixed block and sliding block are steel and heat treatment HRC 50°, hardness and wear resistance is high, user may add or replace the processing needs of different specifications of the jaw plate.
- ▶ CNC precision vise owns special nut with structure of under the pressure, can be generated under the power of the lock, remove the clamping jaw lifts and the workpiece titles.
- ▶ Hydraulic Mechanism design, with rapid pressurization and high clamping force of the unique characteristics of the pressuring mechanism (highest up to 5500 kgf).
- ▶ The vise have four clamping ways for client to choice.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged inside the interior and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Ratchet handle x1 pc
- Adapter x1 pc
- Guide key x2 pcs
- Screw M6x12L x2 pcs
- Vise locked block x4 pcs



| MODEL    | A   | B   | C   | D   | F  | G  | H  | I  | M   | J   | J1  | J2  | J3  | Clamping Force kgf | G.W. KG |
|----------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|--------------------|---------|
| HFPV-100 | 100 | 310 | 466 | 85  | 75 | 50 | 25 | 18 | 110 | 150 | 210 | 210 | 300 | 3500               | 30      |
| HFPV-130 | 130 | 410 | 566 | 100 | 80 | 55 | 25 | 18 | 135 | 240 | 300 | 300 | 400 | 4500               | 45      |
| HFPV-160 | 160 | 490 | 646 | 110 | 85 | 60 | 25 | 18 | 200 | 300 | 380 | 380 | 480 | 5000               | 65      |
| HFPV-200 | 200 | 530 | 686 | 110 | 85 | 60 | 25 | 18 | 220 | 350 | 420 | 420 | 520 | 5500               | 87      |

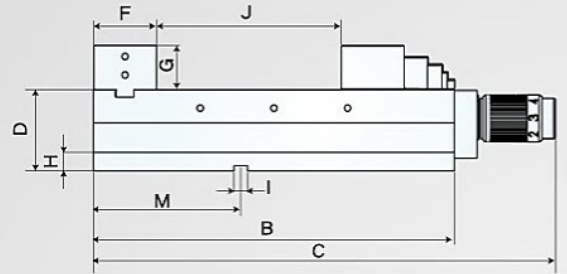
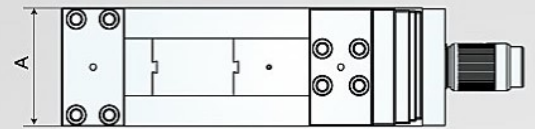


# MACHINE VISE SERIES

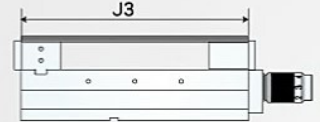
## CNC POWER MACHINE VISE -ADJUSTABLE TYPE



AFPV



### Four clamping ways for choice



### Features

- ▶ The vise is made by precision and grinding processes, it's suitable for vertical / horizontal machine centers.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Fixed block and sliding block are steel and heat treatment HRC 50°, hardness and wear resistance is high, user may add or replace the processing needs of different specifications of the jaw plate.
- ▶ CNC precision vise owns special nut with structure of under the pressure, can be generated under the power of the lock, remove the clamping jaw lifts and the workpiece titles.
- ▶ Mechanical adjustable Mechanism design, with rapid pressurization and high clamping force of the unique characteristics of the pressuring mechanism (highest up to 5500 kgf).
- ▶ The vise have four clamping ways for client to choice.
- ▶ The vise with anti-litter design prevents iron filings drop into the vise, and iron filings easily discharged inside the interior and extend its lifetime.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Ratchet handle x1 pc ■ Adapter x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs

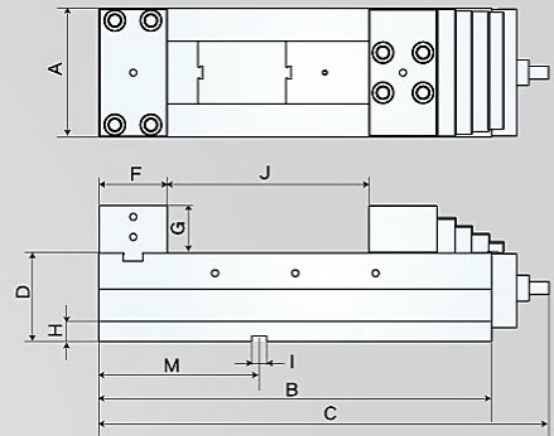


| MODEL    | A   | B   | C   | D   | F  | G  | H  | I  | M   | J   | J1  | J2  | J3  | Clamping Force kgf | G.W. KG |
|----------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|--------------------|---------|
| AFPV-100 | 100 | 310 | 442 | 85  | 75 | 50 | 25 | 18 | 110 | 150 | 210 | 210 | 300 | 3500               | 30      |
| AFPV-130 | 130 | 410 | 542 | 100 | 80 | 55 | 25 | 18 | 135 | 240 | 300 | 300 | 400 | 4500               | 45      |
| AFPV-160 | 160 | 490 | 622 | 110 | 85 | 60 | 25 | 18 | 200 | 300 | 380 | 380 | 480 | 5000               | 64      |
| AFPV-200 | 200 | 530 | 662 | 110 | 85 | 60 | 25 | 18 | 220 | 350 | 420 | 420 | 520 | 5500               | 86      |

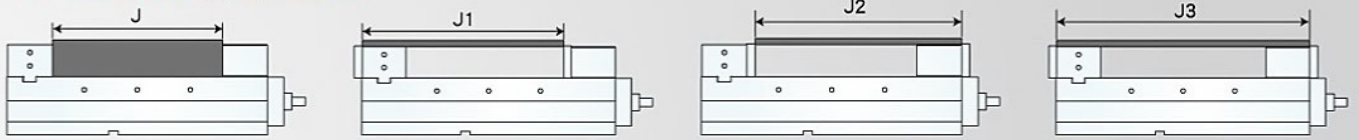
## CNC PRECISION MACHINE VISE



MFV



### Four clamping ways for choice

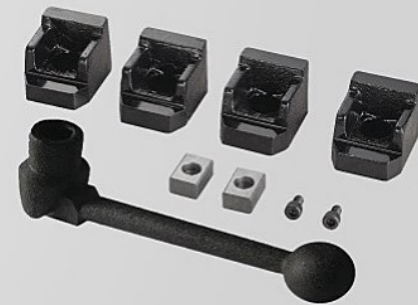


### Features

- ▶ The vise is made by precision and grinding processes, it's suitable for vertical / horizontal machine centers.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600) integral product design, vise both sides of the slide hardened heat (HRC50 °), ensure high precision and high wear resistance, high tensile strength.
- ▶ CNC precision vise owns special nut with structure of under the pressure, can be generated under the power of the lock, remove the clamping jaw flouts and the workpiece titles.
- ▶ The vise has four clamping way for client to choose.
- ▶ These vises fixed specification(D). Many vises will be used together at the same time.

### Standard Accessories

- Ratchet handle x1 pc ■ Adapter x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs

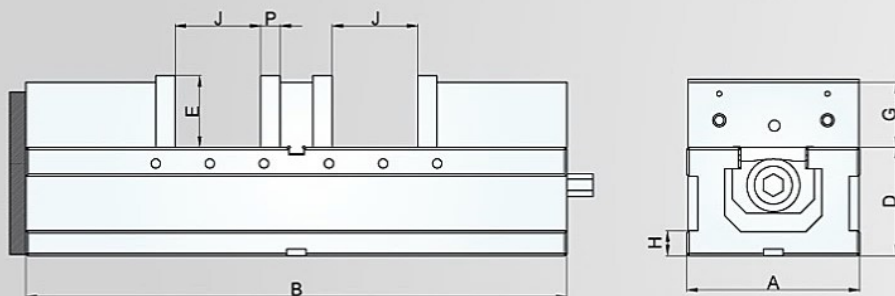


| 型號       | A   | B   | C   | D   | F  | G  | H  | I  | M   | J   | J1  | J2  | J3  | 重量KG |
|----------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|------|
| MFV -100 | 100 | 310 | 400 | 85  | 75 | 50 | 25 | 18 | 110 | 150 | 210 | 210 | 300 | 29   |
| MFV -130 | 130 | 410 | 500 | 100 | 80 | 55 | 25 | 18 | 135 | 240 | 300 | 300 | 400 | 44   |
| MFV -160 | 160 | 490 | 580 | 110 | 85 | 60 | 25 | 18 | 200 | 300 | 380 | 380 | 480 | 63   |
| MFV -200 | 200 | 530 | 620 | 110 | 85 | 60 | 25 | 18 | 220 | 350 | 420 | 420 | 520 | 85   |

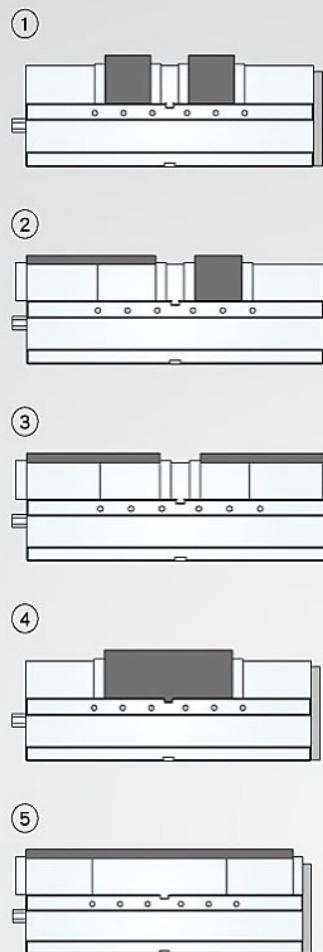


# MACHINE VISE SERIES

## DOUBLE LOCK MACHINE VISE (ANGLE LOCK)



### Five clamping ways for choice

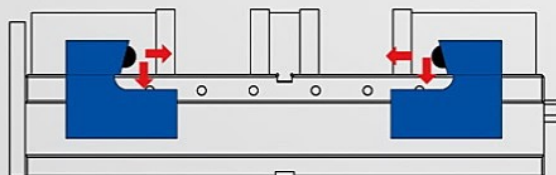


### Features

- ▶ Double clamping mechanism, unilateral opening can be adjusted with the range, do two simultaneous machining workpieces of different sizes.
- ▶ When the case of a larger workpiece, the original opening is no insufficient clamp, you can dismantle the middle of the clamping jaw to increase clamping distance.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600), vise both sides of the slide hardened heat (HRC50°), ensure high precision and high wear resistance, high tensile strength.
- ▶ Angle lock semi-sphere can be generated under the power of the lock, remove workpiece to be lifted.
- ▶ The vise has five clamping ways.
- ▶ The vise with anti-litter design prevents iron filings into the vise, and iron filings easily discharged inside the interior and extend its lifetime.

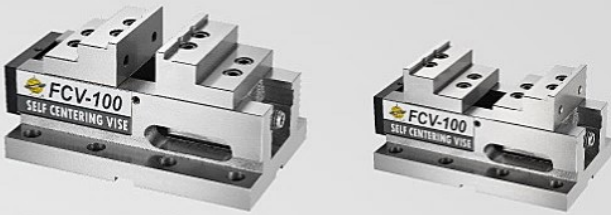
### Standard Accessories

- Handle x1 pc ■ Guide key x2 pcs ■ Screw M6x10L x2 pcs
- Vise locked block x4 pcs



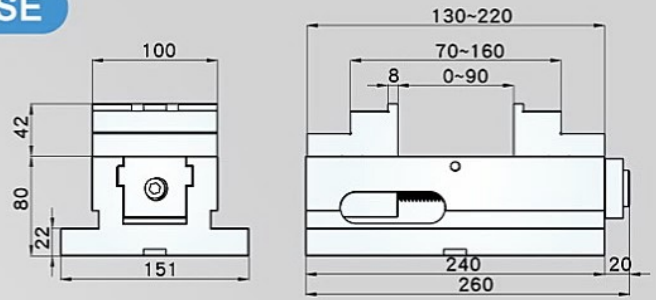
| MODEL   | A   | B   | D   | E  | G  | H  | P  | J  | G.W.<br>KG |
|---------|-----|-----|-----|----|----|----|----|----|------------|
| DPV-160 | 160 | 500 | 100 | 63 | 60 | 23 | 18 | 70 | 64         |

## 5-AXIS SELF CENTERING MACHINE VISE



### Features

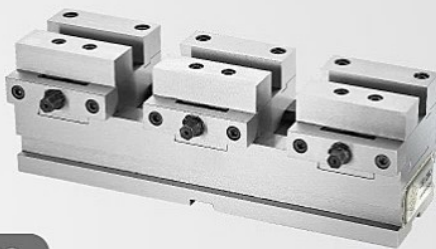
- ▶ Length the best suited to the use of five-axis complex cutting machine
- ▶ Vise both sides of the slide hardened heat (HRC50 °), ensure high precision and high wear resistance, high tensile strength.
- ▶ Two-way design with the center of repetition position, accurate position for processing.



### Standard Accessories

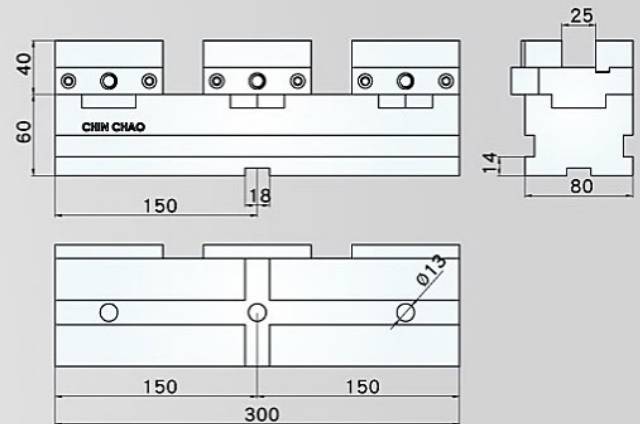
- Handle x1 pc ■ Guide key x2 pcs
- Screw M6x12L x2 pcs ■ Vise locked block x4 pcs

## WISE IN-ROW



### Features

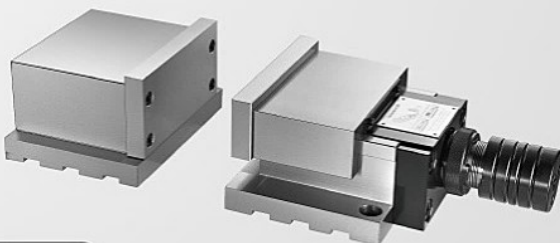
- ▶ Vise in-row can three workpiece at once working at the same time °
- ▶ The vise made of S50C, hardened heat (HRC50 °), ensure high precision and high wear resistance.
- ▶ Jaw hardened heat (HRC55 °) °



### Standard Accessories

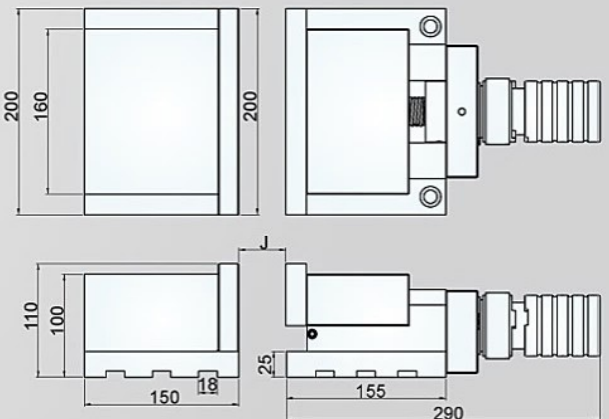
- Handle x1 pc ■ Guide key x2 pcs ■ Screw M6x12L x2 pcs

## SEPARATE PRECISION MACHINE VISE



### Features

- ▶ The vise is mainly suitable for clamping large workpiece or adjusts the position of clamping, according to the sizes of the workpiece.
- ▶ Angle lock semi-sphere can be generated under the power of the lock, remove the floating workpiece.
- ▶ To put on the work table can clamp large work piece , or according to the work piece size adjustment clamping position. The clamping distance 0~unlimited. directly for enhancing steady clamp, they are different than other separate vises.
- ▶ Vise body material is high ductility of spherical graphite cast iron (FCD600), vise both sides of the slide hardened heat (HRC50 °), ensure high precision and high wear resistance, high tensile strength.
- ▶ Jaw hardened heat (HRC55 °).



### Standard Accessories

- Ratchet handle x1pc ■ Vise locked block x8 pcs
- Guide key x2 pcs ■ Screw M6x10L x2 pcs

| MODEL    | J                                     | Clamping Force kgf | CLAMPING FORCE | G.W. KG |
|----------|---------------------------------------|--------------------|----------------|---------|
| SPPV-160 | To follow the work adjustment opening | 3500 kgf           | 30mm           | 32      |



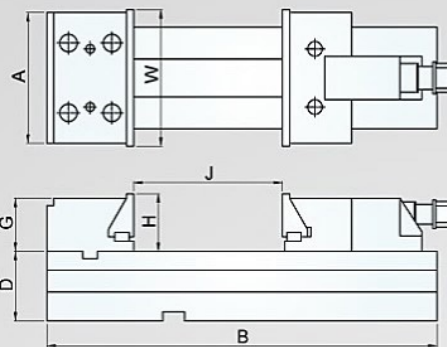
# MACHINE VISE SERIES

## PRECISION VISE



### Features

- ▶ Made of high-quality alloy steel.
- ▶ Vise both sides of the slide hardened heat HRC58°~62°.
- ▶ It has interchangeable base, fixed / movable jaw is quick to clamp and easy to operate.
- ▶ It is widely used on machining center and other precision machines.



### Standard Accessories

- Handle x1 pc ■ T-Wrench x1pc
- Guide key x2 pcs ■ Vise locked block x 4 pcs

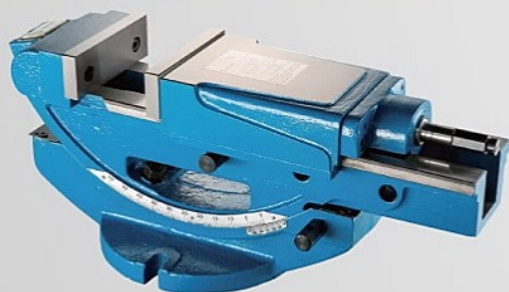
### Optional Accessories

- Swivel base x1set

| MODEL       | A   | B   | D  | G  | H  | W   | J   | G.W.KG |
|-------------|-----|-----|----|----|----|-----|-----|--------|
| CGT-100-100 | 100 | 270 | 35 | 30 | 30 | 100 | 100 | 12     |
| CGT-125-150 | 125 | 345 | 40 | 40 | 40 | 125 | 150 | 19     |
| CGT-150-200 | 150 | 420 | 50 | 50 | 50 | 150 | 200 | 34     |
| CGT-150-300 | 150 | 520 | 50 | 50 | 50 | 150 | 300 | 38     |
| CGT-175-300 | 175 | 555 | 58 | 60 | 60 | 175 | 300 | 57     |
| CGT-200-300 | 200 | 595 | 70 | 65 | 65 | 200 | 300 | 90     |
| CGT-200-500 | 200 | 795 | 70 | 65 | 65 | 200 | 500 | 104    |
| CGT-300-300 | 300 | 635 | 75 | 80 | 80 | 300 | 300 | 120    |
| CGT-300-500 | 300 | 835 | 75 | 80 | 80 | 300 | 500 | 160    |

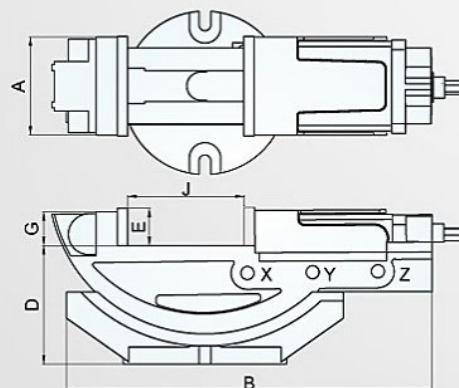
PS. : To purchase with swivel base is model CGT-100-100B · CGT-125-150B · CGT-150-200B · CGT-150-300B · CGT-175-300B · CGT-200-300B · CGT-200-500B · CGT-300-300B · CGT-300-500B

## TILTING HYDRAULIC MACHINE VISE



### Features

- ▶ The adjustable vise according to the different needs of the processing point of view, vertical angle 0° to 45° can be freely adjusted\*, freely adjusted accurately characterize the degree to ensure accuracy.
- ▶ The new hydraulic cylinder with the clamping force is more stable and can resist vibration machines, the possessed easy removal and maintenance of the function, it's economical and durable .
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

- Handle x1 pc ■ Sleeve x1 pc
- Connecting rod x1 pc

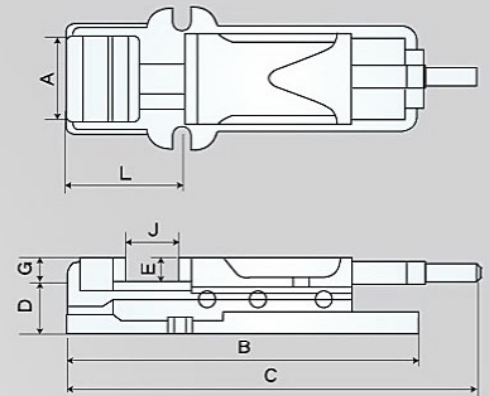
### Optional Accessories

- Swivel base x1set

| MODEL  | A   | B   | D   | E  | G  | Jaw Opening J |         |         | Clamping Force kgf | G.W. KG |
|--------|-----|-----|-----|----|----|---------------|---------|---------|--------------------|---------|
|        |     |     |     |    |    | X             | Y       | Z       |                    |         |
| HPT-4" | 105 | 395 | 163 | 38 | 34 | 0-60          | 60-110  | 110-170 | 3500               | 26      |
| HPT-6" | 150 | 560 | 250 | 53 | 52 | 0-100         | 100-200 | 200-300 | 4500               | 71      |

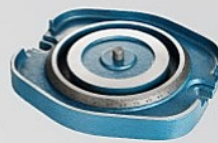
PS. : To purchase with swivel base is model HPT-4"-B · HPT-6"-B

## HYDRAULIC MACHINE VISE - OUTSIDE



### Features

- ▶ Mechanical / hydraulic type can be used alone, or combination, the hydraulic clamping force is stable and big, it's suitable for heavy cutting precision machining.
- ▶ Holder of a large opening function, and can quickly move back and forth.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

- Handle x1 pc

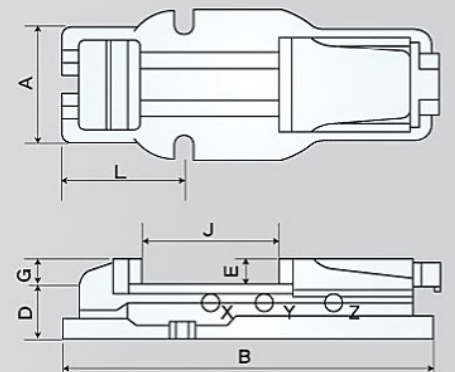
### Optional Accessories

- Swivel base x1set

| MODEL   | A   | B   | C    | D   | E  | G  | L   | J   | Clamping Force kgf | G.W. KG |
|---------|-----|-----|------|-----|----|----|-----|-----|--------------------|---------|
| PHV-130 | 130 | 505 | 795  | 72  | 55 | 55 | 180 | 220 | 4000               | 38      |
| PHV-160 | 160 | 605 | 935  | 82  | 58 | 58 | 195 | 310 | 5000               | 58      |
| PHV-200 | 200 | 700 | 1035 | 100 | 63 | 63 | 265 | 310 | 6000               | 95      |

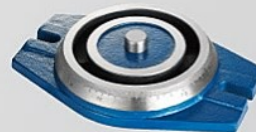
P.S. : To purchase with swivel base is model PHV-130-B · PHV-160-B · PHV-200-B

## HYDRAULIC MACHINE VISE-INSIDE



### Features

- ▶ The new hydraulic cylinder, with the clamping force is more stable and can resist vibration machines, the function of easy relieve and maintenance. It's economical and durable.
- ▶ Holder of a large opening function and can quickly move back and forth.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

- Handle x1 pc
- Sleeve x1 pc
- Connecting rod x1 pc

### Optional Accessories

- Swivel base x1set

| MODEL | A   | B   | D    | E  | G    | L   | Jaw Opening J |         |         | Clamping Force kgf | G.W. KG |
|-------|-----|-----|------|----|------|-----|---------------|---------|---------|--------------------|---------|
|       |     |     |      |    |      |     | X             | Y       | Z       |                    |         |
| HP-4" | 106 | 440 | 58   | 38 | 35   | 147 | 0-60          | 60-110  | 110-170 | 2500               | 22      |
| HP-5" | 132 | 550 | 70.5 | 48 | 49.5 | 195 | 0-70          | 70-140  | 140-220 | 3000               | 38      |
| HP-6" | 152 | 620 | 82.5 | 53 | 52.5 | 210 | 0-100         | 100-200 | 200-300 | 4500               | 53      |
| HP-8" | 200 | 680 | 96   | 63 | 60   | 260 | 0-100         | 100-200 | 200-300 | 6000               | 85      |

P.S. : To purchase with swivel base is model HP-4"-B · HP-5"-B · HP-6"-B · HP-8"-B



# MACHINE VISE SERIES

## MC HYDRAULIC ANGLE LOCK VISE (BUILT-IN TYPE)

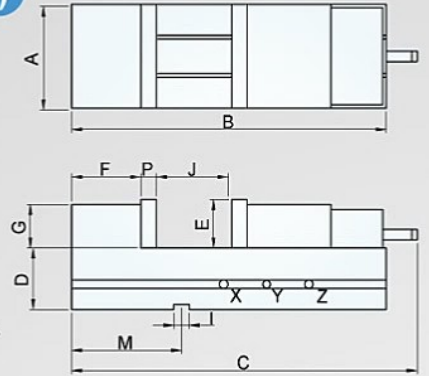


### Features

- ▶ Vise body is made of spherical graphite cast iron FCD600.
- ▶ Down thrust with to prevent work - piece lifts.
- ▶ Vise can side - lock to work.
- ▶ Vise bed hardened to HRC45°, ensure accuracy and durable.
- ▶ Vise's slid - chuck can take out, it's convenient to clean away iron filings for inside of vise.
- ▶ Vise bed height - size and guide block side are all made with full control, can many vises to work together.

### Standard Accessories

■ Handle x1 pc



| MODEL    | A   | B   | C   | D  | E  | F    | G  | I  | M   | P    | Clamping Range J |         |      | Clamping Force kgf | G.W. kg |
|----------|-----|-----|-----|----|----|------|----|----|-----|------|------------------|---------|------|--------------------|---------|
|          |     |     |     |    |    |      |    |    |     |      | X                | Y       | Z    |                    |         |
| CMHA-100 | 105 | 404 | 540 | 62 | 42 | 64.5 | 40 | 16 | 122 | 12.5 | 0-85             | 85-170  | 2500 | 22                 |         |
| CMHA-150 | 152 | 507 | 710 | 85 | 57 | 84.5 | 55 | 18 | 165 | 15.5 | 0-90             | 90-180  | 5000 | 50                 |         |
| CMHA-200 | 200 | 606 | 755 | 95 | 62 | 89.5 | 67 | 18 | 190 | 18.5 | 0-100            | 100-200 | 7000 | 80                 |         |

## PNEU-HYD.DRIVED MACHINE VISE - VA / VH

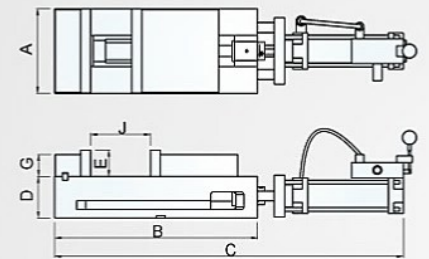
### Features

- ▶ Depend on user's requirement. Choose pneumatic or hydraulic pressure for clamp the workpiece is quick and easy. It's suitable for drilling and light clamp.



### Standard Accessories

■ Handle x1 pc



| MODEL      | A   | B   | C                                                                            | D  | E  | G  | J   |
|------------|-----|-----|------------------------------------------------------------------------------|----|----|----|-----|
| VA/VH MC4" | 106 | 280 | In accordance with the different air cylinder the total length is different. | 58 | 36 | 28 | 100 |
| VA/VH MC5" | 134 | 310 |                                                                              | 64 | 36 | 32 | 100 |
| VA/VH MC6" | 153 | 368 |                                                                              | 75 | 48 | 40 | 150 |
| VA/VH MC8" | 204 | 490 |                                                                              | 82 | 63 | 52 | 200 |

PS. Pneumatic cylinder is model VA  
Hydraulic cylinder is model VH

## LOCK-FIXED PRECISION MACHINE VISE

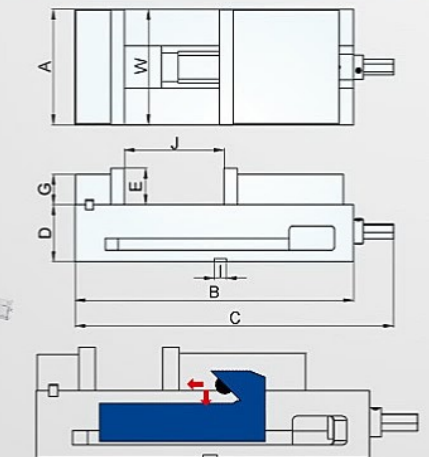
### Features

- ▶ This product has been six surface grinding, high accuracy, dual-use includes parallel and side to be cross-functional than the traditional angle lock vise better.
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

■ Handle x1 pc



| MODEL | A   | B   | C   | D  | E  | G  | I  | W   | J   | G.W. KG |
|-------|-----|-----|-----|----|----|----|----|-----|-----|---------|
| MC-4" | 106 | 280 | 320 | 58 | 36 | 28 | 16 | 102 | 100 | 13      |
| MC-5" | 134 | 310 | 350 | 64 | 36 | 32 | 16 | 132 | 100 | 19      |
| MC-6" | 153 | 368 | 400 | 75 | 48 | 40 | 16 | 153 | 150 | 30      |
| MC-8" | 204 | 490 | 520 | 82 | 63 | 52 | 16 | 203 | 200 | 62      |

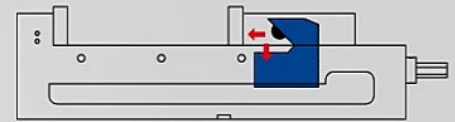
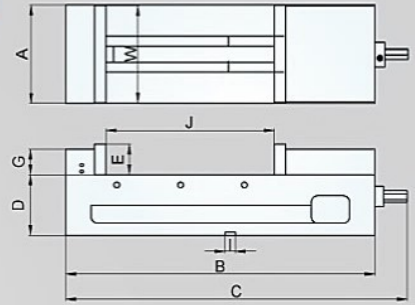


## VERTICAL AND HORIZONTAL USEABLE MACHINE VISE



### Features

- ▶ The vise has four surface grinding, high accuracy, and jaw opening to 270mm, can clamp large workpiece. Dual-use includes parallel and side to be cross-functional than the traditional angle lock vise better.
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

- Handle x1 pc

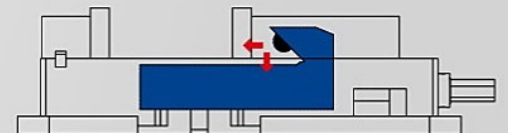
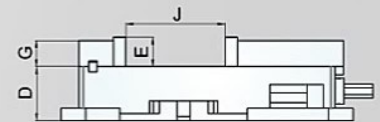
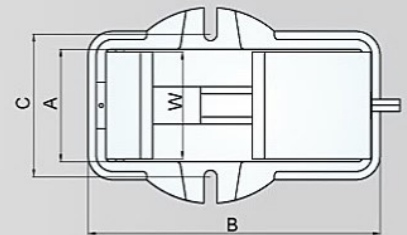
| MODEL  | A   | B   | C   | D  | E  | G  | I  | W   | J   | G.W.KG |
|--------|-----|-----|-----|----|----|----|----|-----|-----|--------|
| CHV-6" | 154 | 485 | 550 | 92 | 48 | 40 | 16 | 153 | 270 | 42     |

## PRECISION ANGLE LOCK MACHINE VISE



### Features

- ▶ Simple structure is economical and durable type of this vise.
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

- Handle x1 pc

### Optional Accessories

- Swivel base x1set

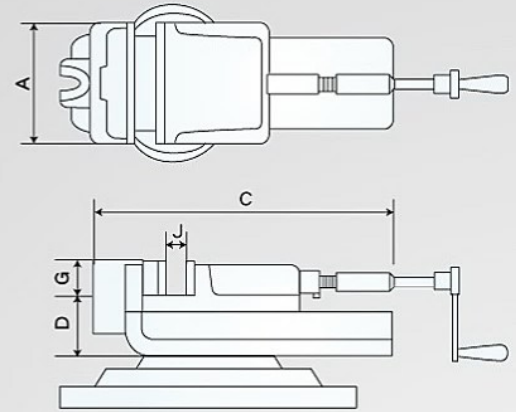
| MODEL      | A   | B   | D  | E  | G  | W   | J   | G.W.KG |
|------------|-----|-----|----|----|----|-----|-----|--------|
| SAV-4"     | 106 | 320 | 60 | 36 | 28 | 112 | 100 | 15     |
| SAV-5"     | 138 | 358 | 66 | 36 | 32 | 132 | 110 | 23     |
| SAV-6"     | 155 | 420 | 72 | 48 | 40 | 152 | 150 | 31     |
| SAV-6-1/2" | 154 | 448 | 68 | 50 | 38 | 152 | 200 | 33     |
| SAV-8"     | 206 | 554 | 84 | 63 | 52 | 210 | 200 | 59     |

P.S. : To purchase with swivel base is model SAV-4"-B · SAV-5"-B · SAV-6"-B · SAV-6-1/2"-B · SAV-8"-B



# MACHINE VISE SERIES

## 2-WAY MACHINE VISE



### Features

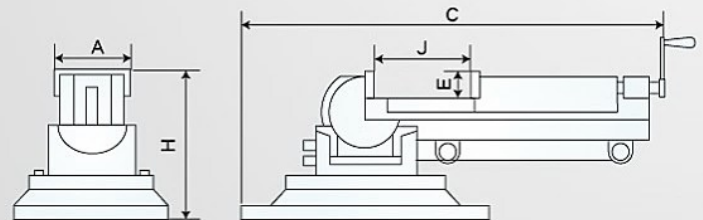
- ▶ The adjustable vise accords to the different needs of the processing point of view, the swivel base it can rotate 360°, the vertical direction adjusts the angle from 0° to 30°, freely adjusted accurately characterize the degree to ensure accuracy.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.

### Standard Accessories

- Handle x1 pc
- Swivel base x1set

| MODEL | A   | C   | D  | G  | J   | G.W.kg |
|-------|-----|-----|----|----|-----|--------|
| CU-6" | 150 | 460 | 65 | 43 | 130 | 45     |

## 3-WAY ANGLE MILLING VISE



### Features

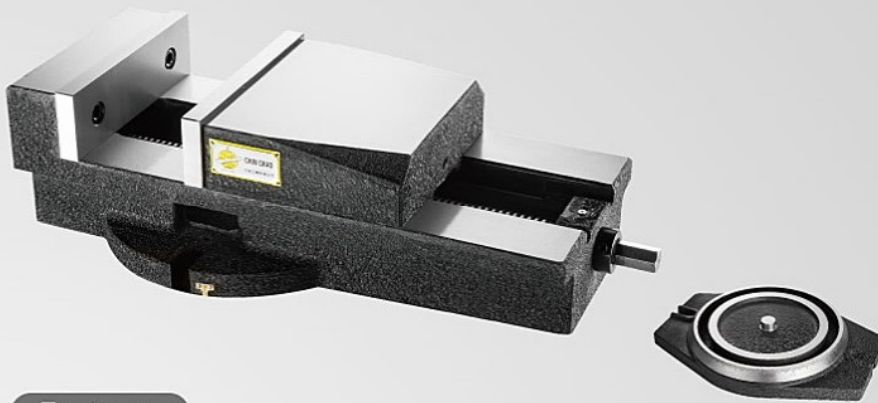
- ▶ Angle can be set in three different directions, the plane of rotation up to 360°, vertical angle can be raised from 0° to 90° the tilt angle part can rotate around 45° degrees and accurate characterization to ensure accuracy.
- ▶ Remain stable smooth at any angle tilt for the workpiece.
- ▶ Have auxiliary rod, the workpiece allows more stable during machining.

### Standard Accessories

- Handle x1 pc
- Swivel base x1set

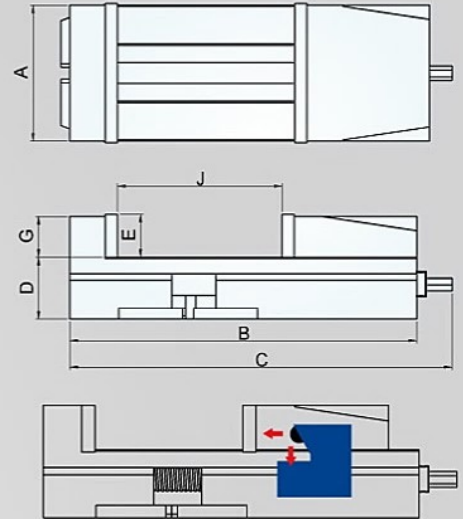
| MODEL | A   | C   | E  | H   | J   | Vertical Height | G.W.kg |
|-------|-----|-----|----|-----|-----|-----------------|--------|
| CY-3  | 80  | 400 | 30 | 144 | 90  | 385             | 17     |
| CY-4  | 106 | 460 | 38 | 172 | 100 | 470             | 32     |
| CY-5  | 132 | 625 | 40 | 205 | 140 | 590             | 51     |

## LONG JAW ANGLE LOCK MACHINE VISE



### Features

- ▶ This item vise clamp have a large opening, and vise processed by integrally molded body, the combination can reduce the tolerances and deformation, and vise body structure is more robust.
- ▶ Angle lock semi-sphere can be generated under the power of the lock, removes the workpiece to be lifted. Simple structure is economical and durable type of this vise.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

- Handle x1 pc

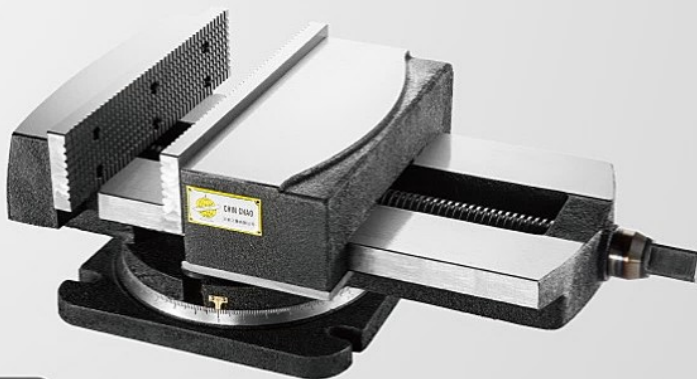
### Optional Accessories

- Swivel base x1set

| MODEL | A   | B   | C   | D  | E  | G  | J   | G.W.kg |
|-------|-----|-----|-----|----|----|----|-----|--------|
| XL-8" | 200 | 510 | 560 | 92 | 63 | 60 | 260 | 72     |

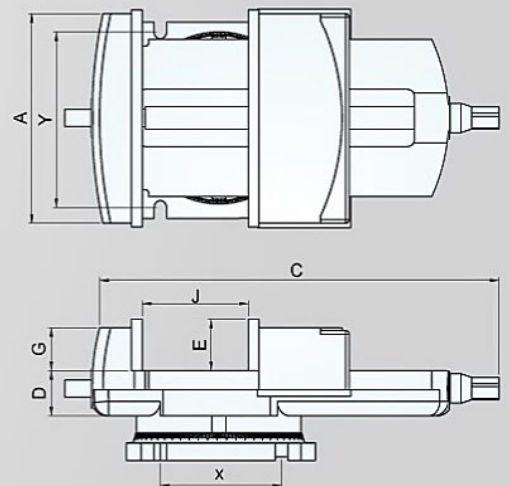
P.S. : To purchase with swivel base is model XL-8"-B

## SHARPING MACHINE VISE



### Features

- ▶ The vise is mainly suitable for large workpiece clamping, simple structure, not easy to fault and have long-time to use.
- ▶ At present, only my company produces this vise in Taiwan.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.



### Standard Accessories

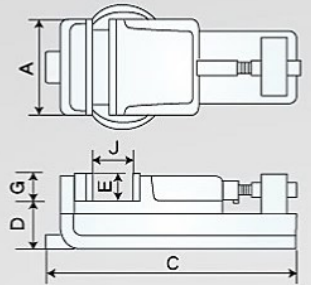
- Handle x1 pc
- Swivel base x1set

| MODEL   | A   | C   | D   | E  | G  | X   | Y   | J   | G.W.kg |
|---------|-----|-----|-----|----|----|-----|-----|-----|--------|
| SKV-12" | 294 | 580 | 87  | 72 | 60 | 168 | 240 | 300 | 76     |
| SKV-16" | 396 | 700 | 98  | 85 | 82 | 250 | 290 | 400 | 117    |
| SKV-20" | 500 | 820 | 106 | 96 | 86 | 250 | 290 | 500 | 160    |



# MACHINE VISE SERIES

## K-TYPE MILLING VISE



### Features

- ▶ Simple structure, is economical and durable type of this vise.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.

### Standard Accessories

- Handle x1 pc

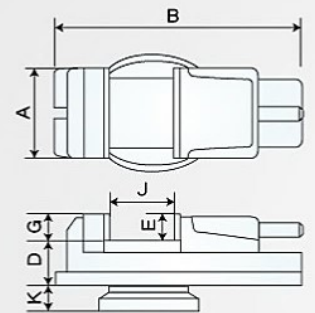
### Optional Accessories

- Swivel base x1 set

| MODEL  | A   | C   | D  | E  | G  | J   | G.W. KG |
|--------|-----|-----|----|----|----|-----|---------|
| SKV-4" | 97  | 294 | 48 | 34 | 32 | 60  | 10      |
| SKV-5" | 125 | 368 | 60 | 36 | 34 | 80  | 16      |
| SKV-6" | 150 | 460 | 65 | 43 | 43 | 110 | 27      |
| SKV-8" | 200 | 620 | 85 | 63 | 60 | 150 | 58      |

PS. : To purchase base model SKV-4"-B · SKV-5"-B · SKV-6"-B · SKV-8"-B

## K - TYPE SUPER OPEN MILLING VISE



### Features

- ▶ This is big opening for clamp function. Structure is simple, it's economical and durable.
- ▶ Vise body material is high ductility of cast iron, vise both sides of the slide hardened heat (HRC45°), ensure high precision and high wear resistance, high tensile strength.

### Standard Accessories

- Handle x1 pc

### Optional Accessories

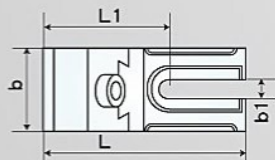
- Swivel base x1 set

| MODEL | A   | B   | D  | E  | G  | K  | J   | G.W. KG |
|-------|-----|-----|----|----|----|----|-----|---------|
| J-400 | 110 | 390 | 58 | 38 | 37 | 41 | 180 | 21      |
| J-500 | 130 | 450 | 66 | 49 | 48 | 42 | 230 | 32      |
| J-600 | 152 | 540 | 77 | 54 | 54 | 42 | 300 | 45      |

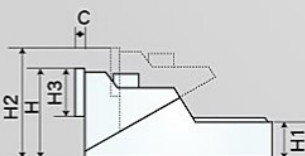
PS. : To purchase base model J-400-B · J-500-B · J-600-B

## FREE VISE

SV



FV



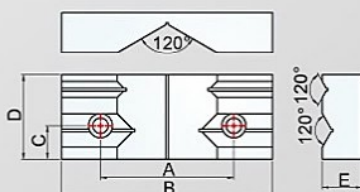
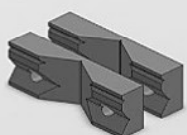
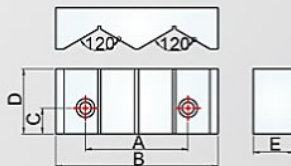
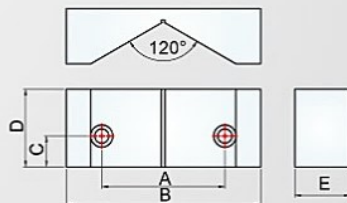
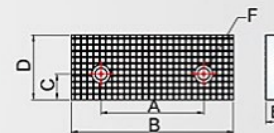
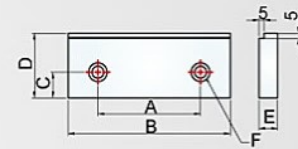
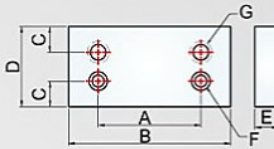
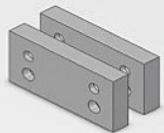
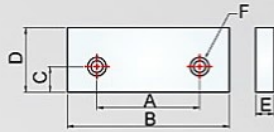
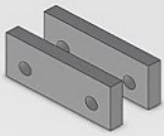
| MODEL  | b   | b1 | L   | L1  | H  | H1    | H2  | H3 | C  | G.W. KG |
|--------|-----|----|-----|-----|----|-------|-----|----|----|---------|
| SV-62  | 62  | 18 | 125 | 72  | 58 | 22/30 | 72  | 46 | 14 | 8       |
| SV-85  | 87  | 18 | 175 | 85  | 82 | 22/30 | 105 | 62 | 14 | 16      |
| SV-125 | 125 | 18 | 200 | 103 | 92 | 22/30 | 150 | 69 | 14 | 25      |

| MODEL  | b   | b1 | L   | L1  | H   | H1    | H2  | H3 | C  | G.W. KG |
|--------|-----|----|-----|-----|-----|-------|-----|----|----|---------|
| FV-350 | 75  | 16 | 150 | 98  | 76  | 20/25 | 72  | 48 | 12 | 8       |
| FV-450 | 98  | 18 | 200 | 120 | 96  | 22/27 | 105 | 60 | 14 | 13      |
| FV-550 | 125 | 18 | 220 | 144 | 122 | 29/32 | 150 | 66 | 14 | 25      |

## SPECIAL APPLICATION JAW PLATES - FOR POWER MACHINE VISE

### Features

▶ It applies in power machine vises. According different workpieces to use suitable clamp jaw for enhance processing more effective.



| MODEL  | A   | B   | C  | D  | E  | F   |
|--------|-----|-----|----|----|----|-----|
| J1-100 | 70  | 98  | 25 | 53 | 15 | M10 |
| J1-130 | 90  | 128 | 25 | 58 | 15 | M10 |
| J1-160 | 100 | 158 | 25 | 63 | 18 | M10 |
| J1-200 | 120 | 198 | 30 | 63 | 18 | M12 |

| MODEL  | A   | B   | C  | D  | E  | F   | G   |
|--------|-----|-----|----|----|----|-----|-----|
| J2-100 | 70  | 98  | 25 | 73 | 15 | M10 | M12 |
| J2-130 | 90  | 128 | 25 | 73 | 15 | M10 | M12 |
| J2-160 | 100 | 158 | 25 | 78 | 18 | M10 | M12 |
| J2-200 | 120 | 198 | 30 | 85 | 18 | M12 | M14 |

| MODEL  | A   | B   | C  | D  | E  | F   |
|--------|-----|-----|----|----|----|-----|
| J3-100 | 70  | 98  | 25 | 53 | 15 | M10 |
| J3-130 | 90  | 128 | 25 | 58 | 15 | M10 |
| J3-160 | 100 | 158 | 25 | 63 | 18 | M10 |
| J3-200 | 120 | 198 | 30 | 63 | 18 | M12 |

| MODEL  | A   | B   | C  | D  | E  | F   |
|--------|-----|-----|----|----|----|-----|
| J4-100 | 70  | 98  | 25 | 53 | 15 | M10 |
| J4-130 | 90  | 128 | 25 | 58 | 15 | M10 |
| J4-160 | 100 | 158 | 25 | 63 | 18 | M10 |
| J4-200 | 120 | 198 | 30 | 63 | 18 | M12 |

| MODEL  | A   | B   | C  | D  | E  | F   |
|--------|-----|-----|----|----|----|-----|
| J5-100 | 70  | 98  | 25 | 53 | 30 | M10 |
| J5-130 | 90  | 128 | 25 | 58 | 30 | M10 |
| J5-160 | 100 | 158 | 25 | 63 | 45 | M10 |
| J5-200 | 120 | 198 | 30 | 63 | 45 | M12 |

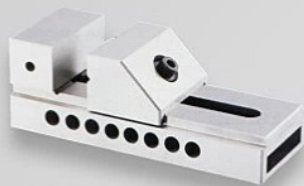
| MODEL  | A   | B   | C  | D  | E  | F   |
|--------|-----|-----|----|----|----|-----|
| J6-100 | 70  | 98  | 25 | 53 | 30 | M10 |
| J6-130 | 90  | 128 | 25 | 58 | 35 | M10 |
| J6-160 | 100 | 158 | 25 | 63 | 40 | M10 |
| J6-200 | 120 | 198 | 30 | 63 | 40 | M12 |

| MODEL  | A   | B   | C  | D  | E  | F   |
|--------|-----|-----|----|----|----|-----|
| J7-100 | 70  | 98  | 25 | 53 | 30 | M10 |
| J7-130 | 90  | 128 | 25 | 58 | 30 | M10 |
| J7-160 | 100 | 158 | 25 | 63 | 30 | M10 |
| J7-200 | 120 | 198 | 30 | 63 | 40 | M12 |

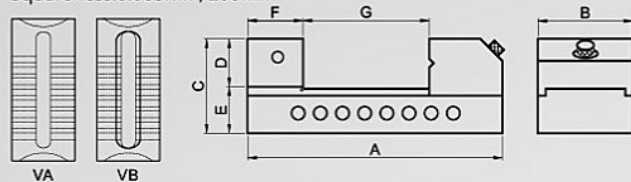


# TOOL MAKER VISE SERIES

## TOOL MAKER OF PLUGS TYPE

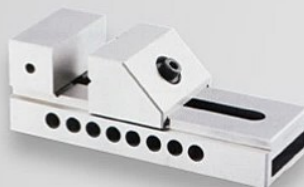


Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm

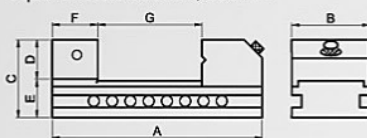


| MODEL | MATERIAL | A   | B  | C  | D  | E  | F   | G   | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|----|----|----|----|-----|-----|------------------|--------|
| VA15  | SK2      | 100 | 36 | 45 | 20 | 25 | 20  | 40  | HRC 56°~58°      | 0.7    |
| VA20  |          | 150 | 48 | 58 | 30 | 28 | 30  | 75  |                  | 1.7    |
| VA25  |          | 170 | 63 | 63 | 35 | 28 | 30  | 90  |                  | 2.7    |
| VA30  |          | 190 | 73 | 67 | 35 | 32 | 35  | 100 |                  | 3.9    |
| VA35  |          | 225 | 88 | 85 | 45 | 40 | 40  | 120 |                  | 6.7    |
| VA40  | 235      | 98  | 85 | 45 | 40 | 40 | 125 | 8.0 |                  |        |
| VB15  | SK2      | 100 | 36 | 45 | 20 | 25 | 20  | 40  | HRC 56°~58°      | 0.6    |
| VB20  |          | 150 | 48 | 58 | 30 | 28 | 30  | 75  |                  | 1.6    |
| VB25  |          | 170 | 63 | 63 | 35 | 28 | 30  | 90  |                  | 2.5    |
| VB30  |          | 190 | 73 | 67 | 35 | 32 | 35  | 100 |                  | 3.7    |
| VB35  |          | 225 | 88 | 85 | 45 | 40 | 40  | 120 |                  | 6.5    |
| VB40  | 235      | 98  | 85 | 45 | 40 | 40 | 125 | 7.8 |                  |        |

## TOOL MAKER VISE OF PLUGS & VBIG TYPE



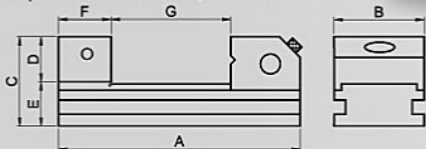
Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm



| MODEL | MATERIAL | A   | B   | C   | D  | E  | F  | G   | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|-----|-----|----|----|----|-----|------------------|--------|
| VB50  | S50C     | 287 | 125 | 100 | 50 | 50 | 50 | 150 | HRC              | 13.5   |
| VB60  |          | 340 | 152 | 100 | 50 | 50 | 50 | 200 | 55°~56°          | 19.1   |

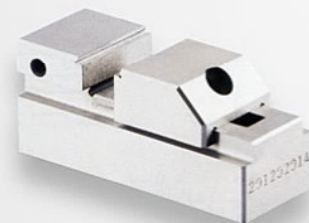
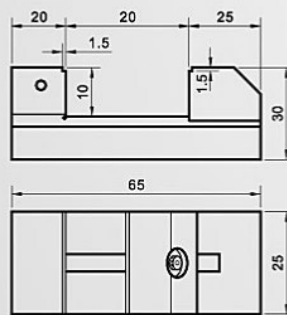
## SUPER PRCISION TOOL MAKER VISE

Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm



| MODEL | MATERIAL | A   | B  | C  | D  | E  | F  | G  | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|----|----|----|----|----|----|------------------|--------|
| VC20  | SKS2     | 135 | 48 | 42 | 20 | 22 | 23 | 62 | HRC 58°~60°      | 0.9    |
| VC25  |          | 160 | 70 | 62 | 30 | 32 | 33 | 80 |                  | 2.9    |
| VC30  |          | 170 | 73 | 65 | 32 | 33 | 35 | 90 |                  | 3.2    |

## TOOL MAKER VISE OF SMALL TYPE

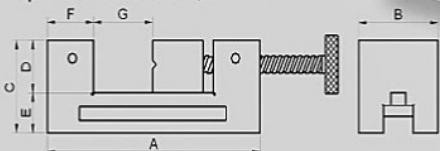


**MODEL: CV1**

Material : SK2  
Harden Treatment : HRC58°~60°  
Parallelism : 0.004mm/100mm  
Squareness : 0.004mm/100mm  
G.W.kg : 0.3KG

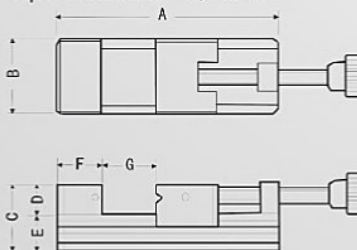
## TOOL MAKER VISE OF SCREW TYPE

Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm



| MODEL | MATERIAL | A   | B  | C  | D  | E  | F  | G   | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|----|----|----|----|----|-----|------------------|--------|
| VD20  | SK2      | 155 | 48 | 54 | 25 | 29 | 25 | 60  | HRC 56°~58°      | 1.9    |
| VD25  |          | 176 | 63 | 60 | 30 | 30 | 25 | 75  |                  | 3.1    |
| VD30  |          | 181 | 73 | 70 | 30 | 40 | 30 | 75  |                  | 4.7    |
| VD35  |          | 250 | 88 | 73 | 38 | 35 | 35 | 125 |                  | 7.7    |
| VD40  |          | 250 | 98 | 73 | 38 | 35 | 35 | 125 |                  | 8.9    |

Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm

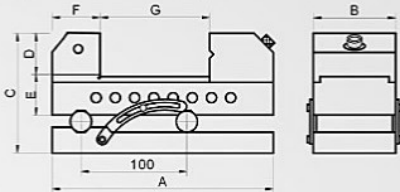


| MODEL | MATERIAL | A   | B  | C  | D  | E  | F  | G  | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|----|----|----|----|----|----|------------------|--------|
| VE20  | SKS2     | 90  | 60 | 50 | 25 | 25 | 25 | 30 | HRC 56°~58°      | 1.5    |
| VE25  |          | 160 | 70 | 62 | 30 | 32 | 33 | 80 |                  | 3.6    |
| VE30  |          | 175 | 73 | 65 | 32 | 33 | 35 | 95 |                  | 4.3    |

## SINE VISE



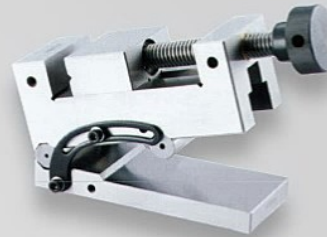
Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm



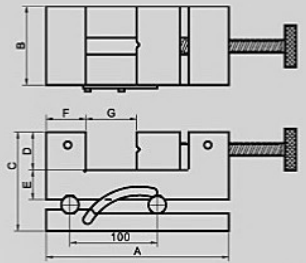
| MODEL | MATERIAL | A   | B  | C   | D  | E  | F  | G  | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|----|-----|----|----|----|----|------------------|--------|
| SV20  | SKS2     | 155 | 48 | 95  | 30 | 32 | 30 | 65 | HRC<br>56°~58°   | 3.0    |
| SV25  |          | 175 | 63 | 103 | 35 | 35 | 30 | 90 |                  | 5.0    |
| SV30  |          | 180 | 73 | 103 | 35 | 35 | 35 | 90 |                  | 6.0    |

Unit:mm

## SINE VISE OF SCREW TYPE



Parallelism:0.005mm/100mm  
Squareness:0.005mm/100mm



| MODEL | MATERIAL | A   | B  | C   | D  | E  | F  | G  | HARDEN TREATMENT | G.W.kg |
|-------|----------|-----|----|-----|----|----|----|----|------------------|--------|
| V200  | SKS2     | 155 | 48 | 93  | 25 | 35 | 25 | 60 | HRC<br>56°~58°   | 3.5    |
| V250  |          | 175 | 63 | 96  | 30 | 33 | 25 | 70 |                  | 5.0    |
| V300  |          | 180 | 73 | 103 | 30 | 40 | 30 | 75 |                  | 7.0    |

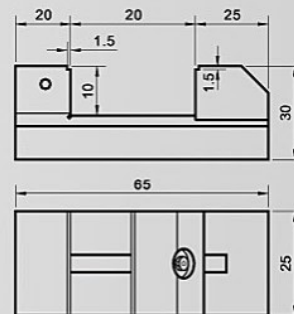
Unit:mm

## PRECISION VISE OF STAINLESS STEEL



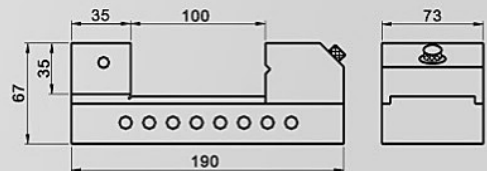
### MODEL: CVST10

Material : SUS440  
Harden Treatment : HRC56°~58°  
Parallelism : 0.004mm/100mm  
Squareness : 0.004mm/100mm  
G.W.kg : 0.3KG



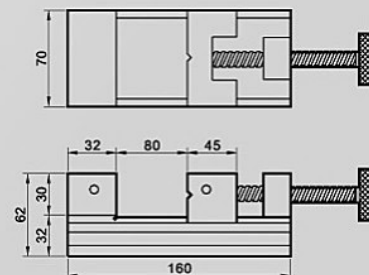
### MODEL: CBST30

Material : SUS440  
Harden Treatment : HRC56°~58°  
Parallelism : 0.005mm/100mm  
Squareness : 0.005mm/100mm  
G.W.kg : 4KG



### MODEL: CVST25

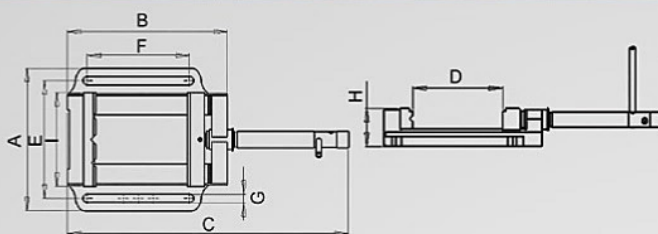
Material : SUS440  
Harden Treatment : HRC56°  
Parallelism : 0.005mm  
Squareness : 0.005mm  
G.W.kg : 4KG





# DRILL PRESS VISE SERIES

## CC-101

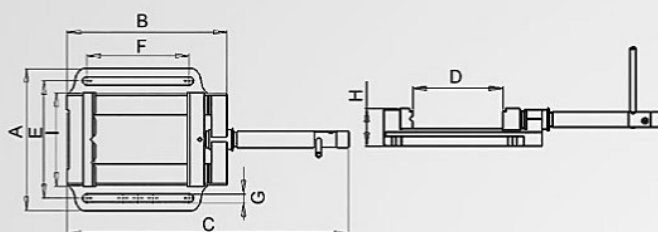


### Features

- ▶ Suitable for clamping work piece on drill press machine or milling machine.
- ▶ Designed with solid structure, main body is made of FC15, assemble a pair of heat treated steel jaws with hardness HRC45°~50°.
- ▶ Jaw pair and handle are surface treated by black oxide finish.
- ▶ Front fixed prismatic jaw with cross V-grooves is designed for clamping work piece firmly in both vertical & horizontal directions.
- ▶ All sliding surfaces of each part, base face & jaw pair are grinded for assuring the flatness as well as the verticalness are controlled in 0.05/100mm accuracy.

| MODEL    | A   | B   | C   | D   | E   | F   | G    | H  | I   | Clamping Force (TON) | KG   |
|----------|-----|-----|-----|-----|-----|-----|------|----|-----|----------------------|------|
| CC-101-3 | 167 | 165 | 290 | 85  | 135 | 81  | 12   | 50 | 84  | 1.5                  | 3.5  |
| CC-101-4 | 202 | 203 | 343 | 100 | 162 | 101 | 13   | 60 | 104 | 1.6                  | 5.7  |
| CC-101-5 | 226 | 230 | 390 | 125 | 190 | 130 | 13.5 | 67 | 132 | 1.75                 | 8.2  |
| CC-101-6 | 254 | 266 | 450 | 152 | 214 | 154 | 18   | 75 | 156 | 1.75                 | 11.6 |

## CC-102

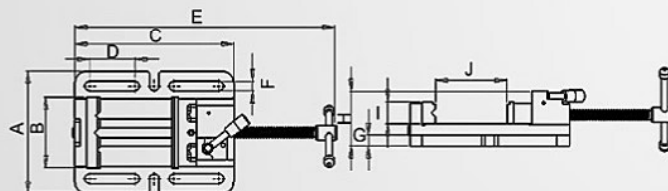


### Features

- ▶ Suitable for clamping work piece on drill press machine & milling machine.
- ▶ Designed with solid structure, main body is made of FC15, assemble a pair of heat treated steel jaws with hardness HRC 45°~50°.
- ▶ Jaw pair and handle are surface treated by black oxide finish.
- ▶ Front fixed prismatic jaw with cross V-grooves is designed for clamping work piece firmly in both vertical & horizontal directions.

| MODEL    | A   | B   | C   | D   | E   | F   | G  | H  | I   | Clamping Force (TON) | KG   |
|----------|-----|-----|-----|-----|-----|-----|----|----|-----|----------------------|------|
| CC-102-3 | 167 | 165 | 290 | 85  | 135 | 81  | 12 | 50 | 84  | 1.5                  | 3.5  |
| CC-102-4 | 202 | 203 | 343 | 100 | 162 | 101 | 13 | 60 | 104 | 1.6                  | 5.7  |
| CC-102-5 | 226 | 230 | 390 | 125 | 190 | 130 | 13 | 67 | 132 | 1.75                 | 8.2  |
| CC-102-6 | 254 | 266 | 450 | 152 | 214 | 154 | 18 | 75 | 156 | 1.75                 | 11.6 |

## CC-103

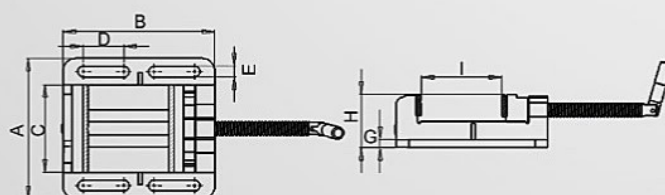


### Features

- ▶ Suitable for clamping work piece on drill press machine & milling machine.
- ▶ Designed with solid structure, main body is made of FC15, assemble a pair of heat treated steel jaws with hardness HRC 45°~50°.
- ▶ Jaw pair and handle are surface treated by black oxide finish.
- ▶ Front fixed prismatic jaw with cross V-grooves is designed for clamping work piece firmly in both vertical & horizontal directions.

| MODEL    | A   | B   | C   | D    | E   | F  | G    | H  | I  | J   | Clamping Force (TON) | KG   |
|----------|-----|-----|-----|------|-----|----|------|----|----|-----|----------------------|------|
| CC-103-4 | 180 | 104 | 235 | 66.5 | 390 | 14 | 16.5 | 73 | 32 | 105 | 1.0                  | 6.5  |
| CC-103-6 | 240 | 156 | 310 | 85   | 530 | 17 | 18   | 93 | 38 | 152 | 1.8                  | 12.2 |

## CC-106A



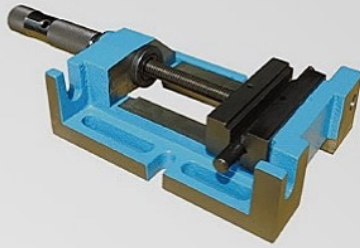
### Features

- ▶ Suitable for clamping work piece on drill press machine & milling machine.
- ▶ Designed with solid structure, main body is made of FC15, assemble a pair of heat treated steel jaws with hardness HRC 45°~50°.
- ▶ Jaw pair and handle are surface treated by black oxide finish.
- ▶ Front fixed prismatic jaw with cross V-grooves is designed for clamping work piece firmly in both vertical & horizontal directions.

| MODEL     | A   | B   | C   | D    | E  | G  | H    | I   | KG  |
|-----------|-----|-----|-----|------|----|----|------|-----|-----|
| CC-106A-3 | 142 | 159 | 82  | 47.5 | 13 | 10 | 57   | 75  | 2.8 |
| CC-106A-4 | 167 | 180 | 104 | 48   | 13 | 10 | 62.5 | 91  | 3.6 |
| CC-106A-5 | 191 | 208 | 128 | 66   | 13 | 11 | 68   | 110 | 5.2 |
| CC-106A-6 | 228 | 250 | 153 | 74.5 | 14 | 12 | 79.5 | 143 | 7.5 |

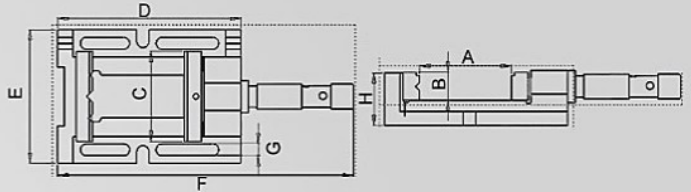


## CC-107



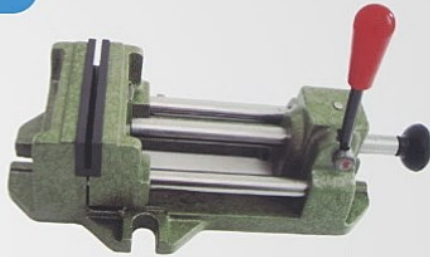
### Features

- ▶ 3 dimension processed surfaces are applicable for clamping work piece on drill press machine & milling machine.
- ▶ Designed with solid structure, main body is made of FCD45, assemble a pair of heat treated steel jaws with hardness HRC 45° ~ 50°.
- ▶ Jaw pair and handle are surface treated by black oxide finish.
- ▶ Front fixed prismatic jaw with cross V-grooves is designed for clamping work piece firmly in both vertical & horizontal directions.
- ▶ The verticality tolerance between each 2 surface of 3 dimensions are controlled in 0.10mm



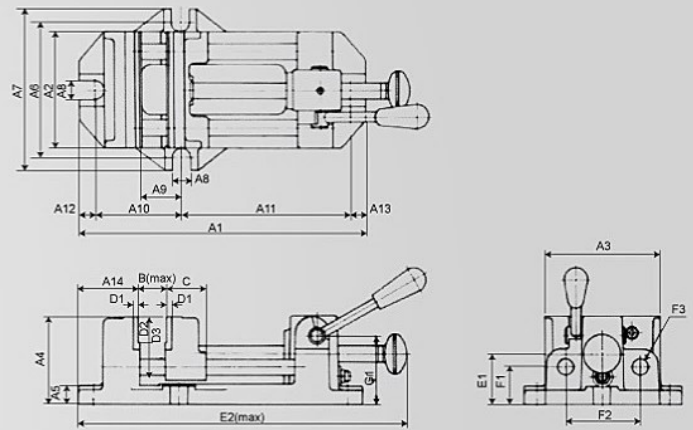
| MODEL    | A   | B  | C   | D   | E   | F   | G  | H  | Clamping Force (TON) | KG  |
|----------|-----|----|-----|-----|-----|-----|----|----|----------------------|-----|
| CC-107-4 | 101 | 32 | 104 | 209 | 156 | 340 | 12 | 62 | 1.6                  | 5.9 |

## CVK-103



### Features

- ▶ Made of FC25 the high tensile casting.
- ▶ Sliding rounded bar design make the gripping rapid and precise.
- ▶ Great stiffness machine center processed , high accuracy for professional industry use.



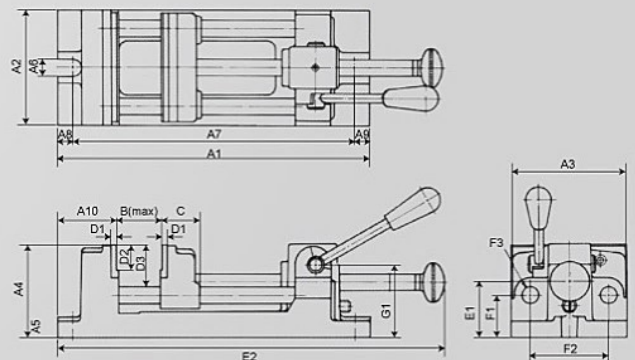
| MODEL       | A1  | A2  | A3  | A4  | A5 | A6  | A7  | A8 | A9 | A10 | A11 | A12  | A13 | A14 | B   | C    | D1 | D2 | D3 | E1 | E2  | F1 | F2  | F3    | G1   | KG   |
|-------------|-----|-----|-----|-----|----|-----|-----|----|----|-----|-----|------|-----|-----|-----|------|----|----|----|----|-----|----|-----|-------|------|------|
| CVK-103-75  | 215 | 89  | 89  | 72  | 13 | 94  | 112 | 15 | 50 | 85  | 116 | 10.5 | 5.5 | 46  | 83  | 22   | 5  | 25 | 38 | 34 | 336 | 28 | 58  | Φ12.5 | 52   | 3.5  |
| CVK-103-100 | 280 | 104 | 104 | 86  | 17 | 120 | 151 | 15 | 41 | 84  | 164 | 16   | 16  | 58  | 119 | 32.5 | 5  | 25 | 42 | 49 | 435 | 37 | 74  | Φ15.5 | 67.5 | 6.1  |
| CVK-103-150 | 365 | 156 | 156 | 100 | 23 | 189 | 223 | 20 | 66 | 127 | 215 | 16   | 10  | 76  | 158 | 39   | 5  | 33 | 51 | 54 | 574 | 40 | 108 | Φ18.5 | 77   | 13.2 |
| CVK-103-200 | 426 | 204 | 204 | 111 | 19 | 241 | 271 | 18 | 73 | 131 | 257 | 19   | 19  | 76  | 209 | 36   | 6  | 33 | 54 | 66 | 678 | 47 | 152 | Φ21.5 | 91   | 20.0 |

## CVK-103A



### Features

- ▶ Made of FC25 the high tensile casting.
- ▶ Sliding rounded bar design make the gripping rapid and precise.
- ▶ L-step jaw set clamps work piece firmly vertical sides of the body are perpendicular to the jaws.
- ▶ It allows side lay applicable.
- ▶ Recessed jaw plates for convenient leveling of work piece.



| MODEL        | A1  | A2  | A3  | A4 | A5 | A6 | A7  | A8   | A9   | A10 | B   | C  | D1 | D2 | D3 | E1   | E2  | F1   | F2 | F3    | G1   | KG  |
|--------------|-----|-----|-----|----|----|----|-----|------|------|-----|-----|----|----|----|----|------|-----|------|----|-------|------|-----|
| CVK-103A-75  | 241 | 85  | 82  | 77 | 17 | 15 | 212 | 14.5 | 14.5 | 51  | 78  | 36 | 5  | 25 | 38 | 37.5 | 351 | 32.5 | 58 | Φ12.5 | 55.5 | 4.7 |
| CVK-103A-100 | 300 | 110 | 106 | 89 | 21 | 15 | 269 | 15.5 | 15.5 | 58  | 125 | 36 | 5  | 25 | 42 | 51   | 464 | 39   | 74 | Φ15.5 | 69.5 | 8.0 |



# DIVIDING HEAD, ROTARY TABLE SERIES

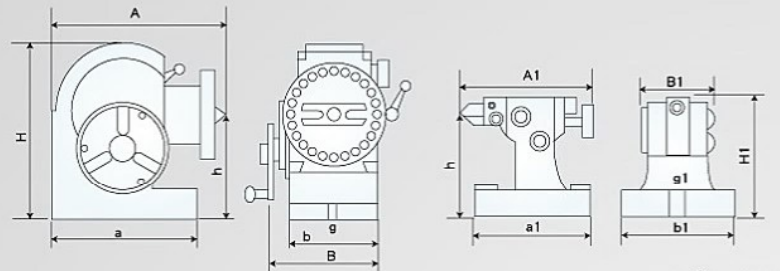
## SEMI-UNIVERSAL DIVIDING HEAD



### Standard Accessories



### Optional Accessories



unit : mm

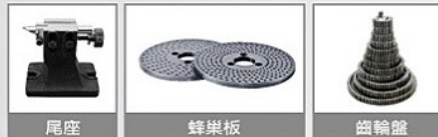
| MODEL | A   | B   | H   | h   | a   | b   | g  | Taper of Center | Dia. of spindle hole | KG |
|-------|-----|-----|-----|-----|-----|-----|----|-----------------|----------------------|----|
| BS-0  | 196 | 133 | 173 | 100 | 160 | 91  | 16 | 25              | 16                   | 23 |
| BS-1  | 253 | 163 | 220 | 126 | 207 | 114 | 16 | 20              | 20                   | 37 |

| MODEL | A1  | B1 | H1  | h   | a1  | b1  | g1 |
|-------|-----|----|-----|-----|-----|-----|----|
| BS-0  | 182 | 82 | 123 | 100 | 155 | 110 | 16 |
| BS-1  | 182 | 82 | 133 | 126 | 155 | 110 | 16 |

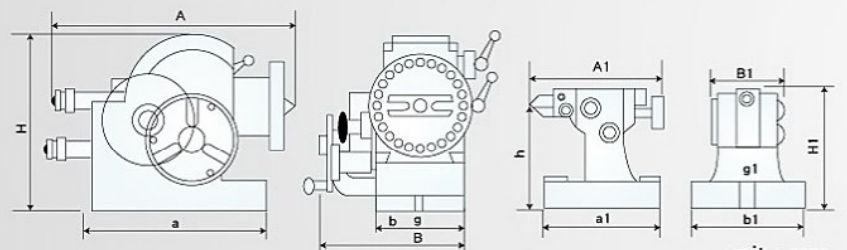
## SUPER INDEXING SPACER



### Standard Accessories



### Optional Accessories

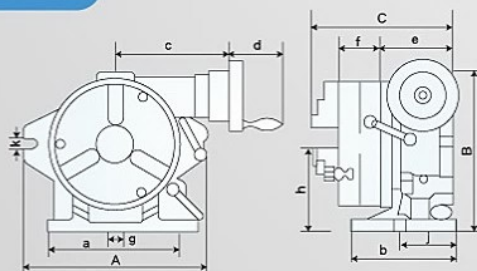


unit : mm

| MODEL | A   | B   | H   | h   | a   | g  | Taper of Center | Dia. of spindle hole | KG |
|-------|-----|-----|-----|-----|-----|----|-----------------|----------------------|----|
| BS-2  | 365 | 272 | 236 | 135 | 213 | 16 | 25              | 25.4                 | 86 |

| MODEL | A1  | B1 | H1  | h   | a1  | b1  | g1 |
|-------|-----|----|-----|-----|-----|-----|----|
| BS-2  | 182 | 88 | 156 | 135 | 175 | 124 | 16 |

## SUPER INDEXING SPACER



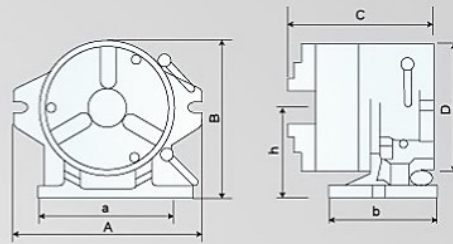
### Optional Accessories



unit : mm

| MODEL | Direct indexing | Three-Jaw capacity       |                |               |                          | Face plate       |           |     |     |     |     |     |     |     |     |    |    |     |     |    |    | KG |
|-------|-----------------|--------------------------|----------------|---------------|--------------------------|------------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|----|----|
|       |                 | Outside diameter of tray | Internal clamp | Outside clamp | Diameter of control hole | Outside diameter | Thickness | A   | B   | C   | a   | b   | c   | d   | e   | f  | g  | h   | i   | j  | k  |    |
| CS-6" | 2,3,4,6,8,12,24 | 167                      | 4-62           | 10-156        | 44                       | 203              | 50        | 250 | 235 | 221 | 220 | 150 | 184 | 82  | 112 | 66 | 16 | 130 | 186 | 80 | 18 | 42 |
| CS-8" | 2,3,4,6,8,12,24 | 210                      | 4-62           | 10-180        | 63                       | 254              | 58        | 315 | 292 | 234 | 225 | 160 | 195 | 100 | 125 | 75 | 16 | 157 | 241 | 90 | 18 | 75 |

**SIMPLE INDEXING SPACER**



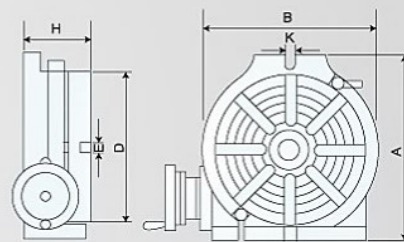
Optional Accessories



unit : mm

| MODEL | Direct indexing | A   | B   | C   | D   | a   | b   | h   | Three Jaw | Width of key | Outside Jaw | Three-Jaw Inside hole | Inside hole of rotary tower | KG |
|-------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----------|--------------|-------------|-----------------------|-----------------------------|----|
| CC-6" | 2,3,4,6,8,12,24 | 260 | 218 | 156 | 167 | 220 | 130 | 130 | 4-62      | 16           | 10-156      | 43                    | 36                          | 27 |
| CC-8" | 2,3,4,6,8,12,24 | 318 | 265 | 177 | 210 | 228 | 140 | 150 | 4-62      | 16           | 10-180      | 63                    | 63                          | 60 |

**HORIZONTAL AND VERTICAL ROTARY TABLE**



Optional Accessories

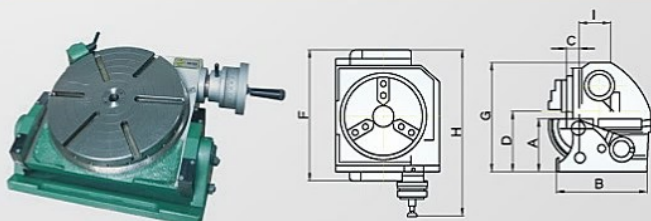


unit : mm

| MODEL    | Table |     |    | Base dimension |     | T-Slot | Center Sleeve | Worm Gear ratio | KG |
|----------|-------|-----|----|----------------|-----|--------|---------------|-----------------|----|
|          | D     | H   | E  | A              | B   | K      |               |                 |    |
| CCHV-6"  | 150   | 82  | 11 | 200            | 195 | 11     | MT-2          | 90:1            | 14 |
| CCHV-8"  | 200   | 120 | 12 | 280            | 200 | 16     | MT-4          |                 | 34 |
| CCHV-10" | 250   | 120 | 12 | 310            | 250 | 16     | MT-4          |                 | 42 |
| CCHV-12" | 300   | 120 | 15 | 365            | 300 | 16     | MT-4          |                 | 51 |
| CCHV-14" | 350   | 140 | 16 | 592            | 380 | 16     | MT-4          |                 | 97 |

**UNIVERSAL TILTING ROTARY TABLE**

**TILT TABLE**



unit : mm

| MODEL   | A   | B   | C  | D   |
|---------|-----|-----|----|-----|
| CCT-12" | 154 | 340 | 98 | 192 |

| F   | G   | H   | I   | 中心孔  | KG  |
|-----|-----|-----|-----|------|-----|
| 460 | 366 | 586 | 120 | MT#3 | 105 |



unit : mm

| MODEL   | A   | B   | D  | H   | KG |
|---------|-----|-----|----|-----|----|
| CCK-10" | 255 | 180 | 16 | 140 | 30 |
| CCK-12" | 300 | 240 | 16 | 170 | 50 |
| CCK-15" | 380 | 266 | 16 | 189 | 52 |
| CCK-24" | 600 | 300 | 16 | 206 | 86 |



# SPRING COLLET CHUCK SYSTEM SET OF COLLETS AND SHANK

## MILLING CHUCK AND SPRING COLLET SET

### BT-ER MILLING CHUCK AND SPRING COLLET SET (BT-ER TYPE)

| Specification       | Arbor Specification | Collet Specification                          | Wrench Specification |
|---------------------|---------------------|-----------------------------------------------|----------------------|
| BT30-ER11-60-7PCS   | BT30-ER11-60L       | ER11-1,2,3,4,5,6,7                            | ER11                 |
| BT30-ER16-70-8PCS   | BT30-ER16-70L       | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| BT30-ER20-70-10PCS  | BT30-ER20-70L       | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| BT30-ER25-60-7PCS   | BT30-ER25-60L       | ER25-4,6,8,10,12,14,16                        | ER25                 |
| BT30-ER32-60-11PCS  | BT30-ER32-60L       | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| BT40-ER11-70-7PCS   | BT40-ER11-70L       | ER11-1,2,3,4,5,6,7                            | ER11                 |
| BT40-ER16-70-8PCS   | BT40-ER16-70L       | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| BT40-ER20-70-10PCS  | BT40-ER20-70L       | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| BT40-ER25-70-7PCS   | BT40-ER25-70L       | ER25-4,6,8,10,12,14,16                        | ER25                 |
| BT40-ER32-70-11PCS  | BT40-ER32-70L       | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| BT40-ER40-80-7PCS   | BT40-ER40-80L       | ER40-6,8,10,12,16,20,25                       | ER40                 |
| BT40-ER40-80-15PCS  | BT40-ER40-80L       | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |
| BT50-ER16-100-8PCS  | BT50-ER16-100L      | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| BT50-ER20-100-10PCS | BT50-ER20-100L      | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| BT50-ER25-100-7PCS  | BT50-ER25-100L      | ER25-4,6,8,10,12,14,16                        | ER25                 |
| BT50-ER32-100-11PCS | BT50-ER32-100L      | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| BT50-ER40-100-7PCS  | BT50-ER40-100L      | ER40-6,8,10,12,16,20,25                       | ER40                 |
| BT50-ER40-100-15PCS | BT50-ER40-100L      | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |

### NT-ER MILLING CHUCK AND SPRING COLLET SET (METRIC SIZE)

| Specification       | Arbor Specification | Collet Specification                          | Wrench Specification |
|---------------------|---------------------|-----------------------------------------------|----------------------|
| NT30-ER16-M12-8PCS  | NT30-ER16-M12       | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| NT30-ER32-M12-11PCS | NT30-ER32-M12       | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| NT40-ER16-M16-8PCS  | NT40-ER16-M16       | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| NT40-ER20-M16-10PCS | NT40-ER20-M16       | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| NT40-ER32-M16-11PCS | NT40-ER32-M16       | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| NT40-ER40-M16-7PCS  | NT40-ER40-M16       | ER40-6,8,10,12,16,20,25                       | ER40                 |
| NT40-ER40-M16-15PCS | NT40-ER40-M16       | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |
| NT50-ER16-M24-8PCS  | NT50-ER16-M24       | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| NT50-ER20-M24-10PCS | NT50-ER20-M24       | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| NT50-ER32-M24-11PCS | NT50-ER32-M24       | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| NT50-ER40-M24-7PCS  | NT50-ER40-M24       | ER40-6,8,10,12,16,20,25                       | ER40                 |
| NT50-ER40-M24-15PCS | NT50-ER40-M24       | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |

### NT-ER MILLING CHUCK AND SPRING COLLET SET (INCH SIZE)

| Specification           | Arbor Specification | Collet Specification                          | Wrench Specification |
|-------------------------|---------------------|-----------------------------------------------|----------------------|
| NT30-ER16-1/2"-12-8PCS  | NT30-ER16-1/2"-12   | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| NT30-ER32-1/2"-12-11PCS | NT30-ER32-1/2"-12   | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| NT40-ER16-5/8"-11-8PCS  | NT40-ER16-5/8"-11   | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| NT40-ER20-5/8"-11-10PCS | NT40-ER20-5/8"-11   | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| NT40-ER32-5/8"-11-11PCS | NT40-ER32-5/8"-11   | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| NT40-ER40-5/8"-11-7PCS  | NT40-ER40-5/8"-11   | ER40-6,8,10,12,16,20,25                       | ER40                 |
| NT40-ER40-5/8"-11-15PCS | NT40-ER40-5/8"-11   | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |
| NT50-ER16-1"-8-8PCS     | NT50-ER16-1"-8      | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| NT50-ER20-1"-8-10PCS    | NT50-ER20-1"-8      | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| NT50-ER32-1"-8-11PCS    | NT50-ER32-1"-8      | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| NT50-ER40-1"-8-7PCS     | NT50-ER40-1"-8      | ER40-6,8,10,12,16,20,25                       | ER40                 |
| NT50-ER40-1"-8-15PCS    | NT50-ER40-1"-8      | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |



### BT-OZ MILLING CHUCK AND SPRING COLLET SET (BT-OZ TYPE)

| Specification      | Arbor Specification | Collet Specification       | Wrench Specification |
|--------------------|---------------------|----------------------------|----------------------|
| BT40-OZ25-80-7PCS  | BT40-OZ25-80L       | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| BT40-OZ32-90-8PCS  | BT40-OZ32-90L       | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |
| BT50-OZ25-90-7PCS  | BT50-OZ25-90L       | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| BT50-OZ32-100-8PCS | BT50-OZ32-100L      | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |

### NT-OZ MILLING CHUCK AND SPRING COLLET SET (METRIC SIZE)

| Specification      | Arbor Specification | Collet Specification       | Wrench Specification |
|--------------------|---------------------|----------------------------|----------------------|
| NT40-OZ25-M16-7PCS | NT40-OZ25-M16       | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| NT40-OZ32-M16-8PCS | NT40-OZ32-M16       | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |
| NT50-OZ25-M24-7PCS | NT50-OZ25-M24       | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| NT50-OZ32-M24-8PCS | NT50-OZ32-M24       | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |

### NT-OZ MILLING CHUCK AND SPRING COLLET SET (INCH SIZE)

| Specification          | Arbor Specification | Collet Specification       | Wrench Specification |
|------------------------|---------------------|----------------------------|----------------------|
| NT40-OZ25-5/8"-11-7PCS | NT40-OZ25-5/8"-11   | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| NT40-OZ32-5/8"-11-8PCS | NT40-OZ32-5/8"-11   | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |
| NT50-OZ25-1"-8-7PCS    | NT50-OZ25-1"-8      | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| NT50-OZ32-1"-8-8PCS    | NT50-OZ32-1"-8      | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |

### SK-ER MILLING CHUCK AND SPRING COLLET SET (SK-ER)

| Specification       | Arbor Specification | Collet Specification                          | Wrench Specification |
|---------------------|---------------------|-----------------------------------------------|----------------------|
| SK40-ER16-70-10PCS  | SK40-ER16-70L       | ER16-1,2,3,4,5,6,7,8,9,10                     | ER16                 |
| SK40-ER20-80-10PCS  | SK40-ER20-80L       | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| SK40-ER32-70-7PCS   | SK40-ER32-70L       | ER32-6,8,10,12,16,18,20                       | ER32                 |
| SK40-ER32-70-11PCS  | SK40-ER32-70L       | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| SK40-ER40-80-7PCS   | SK40-ER40-80L       | ER40-6,8,10,12,16,20,25                       | ER40                 |
| SK40-ER40-80-15PCS  | SK40-ER40-80L       | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |
| SK50-ER16-100-8PCS  | SK50-ER16-100L      | ER16-3,4,5,6,7,8,9,10                         | ER16                 |
| SK50-ER20-100-10PCS | SK50-ER20-100L      | ER20-4,5,6,7,8,9,10,11,12,13                  | ER20                 |
| SK50-ER32-100-7PCS  | SK50-ER32-100L      | ER32-6,8,10,12,16,18,20                       | ER32                 |
| SK50-ER32-100-11PCS | SK50-ER32-100L      | ER32-4,5,6,8,10,12,13,15,16,18,20             | ER32                 |
| SK50-ER40-100-7PCS  | SK50-ER40-100L      | ER40-6,8,10,12,16,20,25                       | ER40                 |
| SK50-ER40-100-15PCS | SK50-ER40-100L      | ER40-4,5,6,8,10,12,13,15,16,18,20,21,22,25,26 | ER40                 |

### SK-OZ MILLING CHUCK AND SPRING COLLET SET (SK-OZ)

| Specification      | Arbor Specification | Collet Specification       | Wrench Specification |
|--------------------|---------------------|----------------------------|----------------------|
| SK40-OZ25-70-7PCS  | SK40-OZ25-70L       | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| SK40-OZ32-90-8PCS  | SK40-OZ32-90L       | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |
| SK50-OZ25-100-7PCS | SK50-OZ25-100L      | OZ25-6,8,10,12,16,20,25    | OZ25                 |
| SK50-OZ32-100-8PCS | SK50-OZ32-100L      | OZ32-6,8,10,12,16,20,25,32 | OZ32                 |

## 52PCS CLAMPING KITS



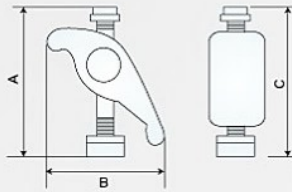
### Standard Accessories

- Clamping studs x24pcs
- Coupling nut x4pcs
- T-slot nut x6pcs
- Step clamp x6pcs
- Flange nut x6pcs
- Step block x6pcs

| MODEL  | 螺栓尺寸        | T型槽 |
|--------|-------------|-----|
| CK-08  | M8 x 1.25P  | 10  |
| CK-10  | M10 x 1.5P  | 12  |
| CK-12A | M12 x 1.75P | 14  |
| CK-12B | M12 x 1.75P | 16  |
| CK-14  | M14 x 2.0P  | 16  |
| CK-16  | M16 x 2.0P  | 18  |
| CK-18  | M18 x 2.5P  | 20  |
| CK-20  | M20 x 2.5P  | 22  |

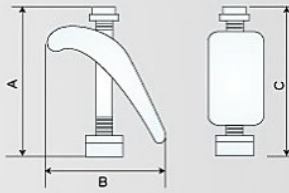
| MODEL            | Stud size            | T Trough |
|------------------|----------------------|----------|
| CK-103A          | 3 / 8-16             | 11       |
| CK-103B          | 3 / 8-16             | 13       |
| CK-104A          | 1 / 2-12 or 1 / 2-13 | 14       |
| CK-104B          | 1 / 2-12 or 1 / 2-13 | 16       |
| CK-105A          | 5 / 8-11             | 18       |
| CK-105B          | 5 / 8-11             | 19       |
| CK-206A          | 3 / 4-10             | 21       |
| CK-206B          | 3 / 4-10             | 23       |
| CK-104A 1-1 / 4" | 1 / 2-12 or 1 / 2-13 | 14       |
| CK-104B 1-1 / 4" | 1 / 2-12 or 1 / 2-13 | 16       |
| CK-105A 1-1 / 4" | 5 / 8-11             | 18       |
| CK-105B 1-1 / 4" | 5 / 8-11             | 19       |

## U TYPE CLAMP



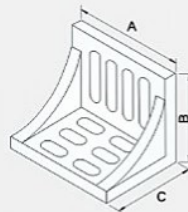
| MODEL | A   | B  | C  | KG  |
|-------|-----|----|----|-----|
| U-404 | 127 | 45 | 35 | 2   |
| U-405 | 152 | 54 | 40 | 3   |
| U-406 | 178 | 60 | 55 | 4.5 |
| U-408 | 202 | 68 | 65 | 7   |

## UP TYPE CLAMP



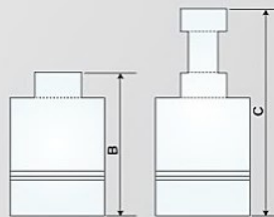
| MODEL  | A   | B  | C  | KG  |
|--------|-----|----|----|-----|
| UP-404 | 122 | 38 | 30 | 2   |
| UP-405 | 152 | 45 | 45 | 3   |
| UP-406 | 202 | 60 | 50 | 4.5 |

## RIGHT ANGLE PLATE



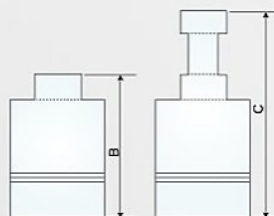
| MODEL | A   | B   | C   | KG  |
|-------|-----|-----|-----|-----|
| CR-6  | 150 | 127 | 115 | 3.5 |
| CR-8  | 203 | 150 | 127 | 7   |
| CR-10 | 254 | 203 | 127 | 12  |
| CR-12 | 304 | 228 | 203 | 25  |

## S-SLOT NUT



| MODEL | B   | C   | KG  |
|-------|-----|-----|-----|
| S-70  | 70  | 95  | 0.5 |
| S-150 | 95  | 150 | 1.2 |
| S-250 | 140 | 225 | 2.2 |
| S-400 | 235 | 420 | 3.8 |

## T-SLOT NUT

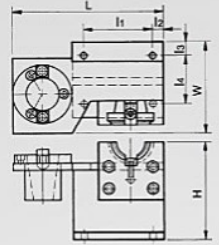
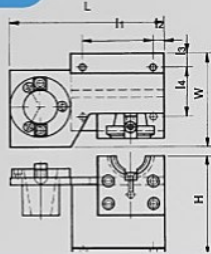


| MODEL | B   | C   | KG  |
|-------|-----|-----|-----|
| T-70  | 65  | 80  | 0.6 |
| T-150 | 110 | 150 | 1.7 |
| T-250 | 140 | 200 | 3   |



# MILLING ACCESSORIES

## TOOL HOLDERS LOCKING DEVICE

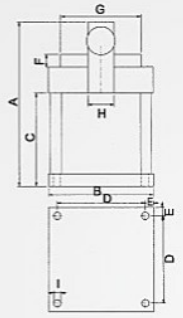
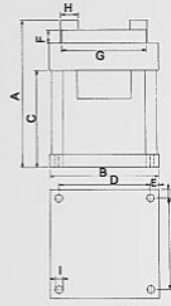
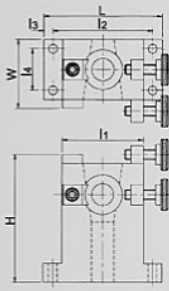


| MODEL       | L   | I1 | I2 | I3 | I4 | H   | W   | G.W. KG |
|-------------|-----|----|----|----|----|-----|-----|---------|
| CLD-BT30AF  | 210 | 95 | 10 | 15 | 67 | 130 | 100 | 3       |
| CLD-BT40AF  | 210 | 95 | 10 | 15 | 67 | 130 | 100 | 3.2     |
| CLD-DIN40AF | 210 | 95 | 10 | 15 | 67 | 130 | 100 | 3.2     |
| CLD-CAT40AF | 210 | 95 | 10 | 15 | 67 | 130 | 100 | 3.2     |

The product is cast steel body

| MODEL      | L   | I1  | I2 | I3 | I4  | H   | W   | G.W. KG |
|------------|-----|-----|----|----|-----|-----|-----|---------|
| CLD-BT30A  | 210 | 95  | 10 | 15 | 67  | 130 | 100 | 3.7     |
| CLD-BT40A  | 210 | 95  | 10 | 15 | 67  | 130 | 100 | 3.9     |
| CLD-BT50A  | 275 | 113 | 20 | 24 | 105 | 200 | 150 | 11.4    |
| CLD-DIN40A | 210 | 95  | 10 | 15 | 67  | 130 | 100 | 3.8     |
| CLD-DIN50A | 275 | 113 | 20 | 24 | 105 | 200 | 150 | 11.2    |
| CLD-CAT40A | 210 | 95  | 10 | 15 | 67  | 130 | 100 | 3.8     |
| CLD-CAT50A | 275 | 113 | 20 | 24 | 105 | 200 | 150 | 11.2    |

The product is cast iron body



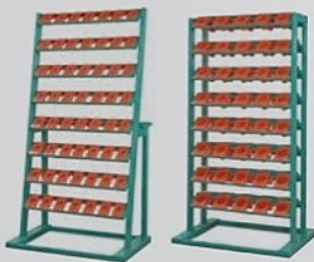
| MODEL   | L   | I1 | I2  | I3  | I4 | H   | W   | G.W. KG |
|---------|-----|----|-----|-----|----|-----|-----|---------|
| CLD-30B | 95  | 65 | 80  | 7.5 | 33 | 100 | 58  | 1       |
| CLD-40B | 118 | 77 | 99  | 9.2 | 44 | 130 | 75  | 1.7     |
| CLD-50B | 170 | 92 | 110 | 12  | 53 | 185 | 115 | 5.4     |

The product is Aluminum alloy body

| MODEL     | A   | B   | C   | D   | E  | F  | G   | H    | I | G.W. KG |
|-----------|-----|-----|-----|-----|----|----|-----|------|---|---------|
| CLDC-BT30 | 135 | 100 | 89  | 84  | 8  | 12 | 78  | 22.5 | 7 | 3       |
| CLDC-BT40 | 134 | 100 | 89  | 84  | 8  | 12 | 78  | 16   | 7 | 3       |
| CLDC-BT50 | 193 | 125 | 115 | 101 | 12 | 12 | 115 | 25   | 9 | 6.8     |

| MODEL        | A   | B   | C   | D   | E  | F  | G    | H  | I | G.W. KG |
|--------------|-----|-----|-----|-----|----|----|------|----|---|---------|
| CLDC-HSK63A  | 157 | 100 | 89  | 84  | 8  | 12 | 76.5 | 25 | 7 | 3       |
| CLDC-HSK100A | 208 | 125 | 115 | 101 | 12 | 12 | 115  | 25 | 9 | 7       |

## TOOL STAND



### TOOL STAND ( SIDED )

| MODEL | Tool Capacity | WxHxL        |
|-------|---------------|--------------|
| BT-30 | 64PCS         | 645*380*1720 |
| BT-40 | 56PCS         | 645*380*1720 |
| BT-50 | 40/48PCS      | 645*380*1720 |
| HSK40 | 56PCS         | 645*380*1720 |
| HSK50 | 56PCS         | 645*380*1720 |
| HSK63 | 56PCS         | 645*380*1720 |

### TOOL STAND ( DOUBLE )

| MODEL | Tool Capacity | WxHxL        |
|-------|---------------|--------------|
| BT-30 | 128PCS        | 645*380*1720 |
| BT-40 | 112PCS        | 645*380*1720 |
| BT-50 | 80/96PCS      | 645*380*1720 |
| HSK40 | 112PCS        | 645*380*1720 |
| HSK50 | 112PCS        | 645*380*1720 |
| HSK63 | 112PCS        | 645*380*1720 |

## TOOL TROLLEY



### TOOL CAR ATTACHED DRAWER

| MODEL | Knife Sets | LxWxH        | Tool Cart | Tool car attached drawer |
|-------|------------|--------------|-----------|--------------------------|
| BT-30 | 32PCS      | 1050*600*800 | V         | V                        |
| BT-40 | 28PCS      | 1050*600*800 | V         | V                        |
| BT-50 | 20PCS      | 1050*600*800 | V         | V                        |
| HSK40 | 28PCS      | 1050*600*800 | V         | V                        |
| HSK50 | 28PCS      | 1050*600*800 | V         | V                        |
| HSK63 | 24PCS      | 1050*600*800 | V         | V                        |

## TOOL SHEATH



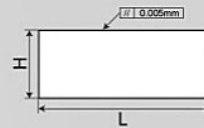
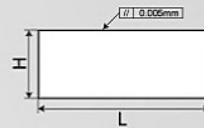
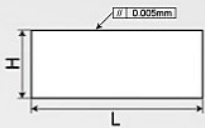
### TOOL SHEATH

| MODEL | SIZE          | KG   |
|-------|---------------|------|
| BT30  | W64xD137xH48  | 0.15 |
| BT40  | W74xD137xH63  | 0.15 |
| BT50  | W104xD137xH93 | 0.15 |

P.S. : Another have NT / SK / CAT series tool sheath

When you choose, please inform demand "Tool Cart" or "Tool car attached drawer".

## GROUND PARALLELS



UNIT : mm

UNIT : mm

UNIT : mm

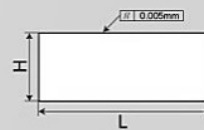
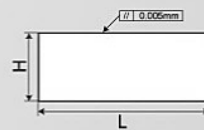
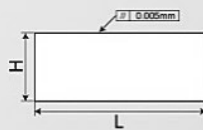
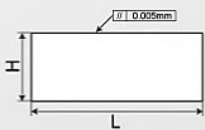
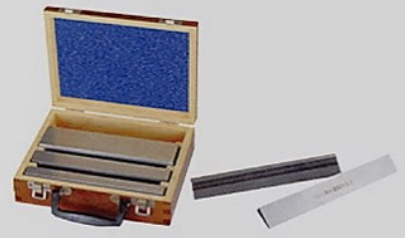
UNIT : mm

| MODEL | WxHxLxQUANTITY    | G.W. KG |
|-------|-------------------|---------|
| GP-18 | 5 x 16 x 100 x 2  | 22      |
|       | 6 x 18 x 100 x 2  |         |
|       | 8 x 24 x 100 x 2  |         |
|       | 10 x 30 x 100 x 2 |         |
|       | 12 x 36 x 150 x 2 |         |
|       | 14 x 48 x 150 x 2 |         |
|       | 18 x 60 x 150 x 2 |         |
|       | 22 x 62 x 150 x 2 |         |
|       | 15 x 31 x 200 x 2 |         |

| MODEL       | WxHxLxQUANTITY     | G.W. KG |
|-------------|--------------------|---------|
| GP-85-18PCS | 8.5 x 14 x 150 x 2 | 5.5     |
|             | 8.5 x 16 x 150 x 2 |         |
|             | 8.5 x 20 x 150 x 2 |         |
|             | 8.5 x 24 x 150 x 2 |         |
|             | 8.5 x 30 x 150 x 2 |         |
|             | 8.5 x 32 x 150 x 2 |         |
|             | 8.5 x 36 x 150 x 2 |         |
|             | 8.5 x 40 x 150 x 2 |         |
|             | 8.5 x 44 x 150 x 2 |         |

| MODEL         | WxHxLxQUANTITY     | G.W. KG |
|---------------|--------------------|---------|
| GP-46-A-12PCS | 4.6 x 20 x 150 x 2 | 2       |
|               | 4.6 x 22 x 150 x 2 |         |
|               | 4.6 x 24 x 150 x 2 |         |
|               | 4.6 x 26 x 150 x 2 |         |
|               | 4.6 x 28 x 150 x 2 |         |
|               | 4.6 x 30 x 150 x 2 |         |
| GP-46-B-12PCS | 4.6 x 32 x 150 x 2 | 2.8     |
|               | 4.6 x 34 x 150 x 2 |         |
|               | 4.6 x 36 x 150 x 2 |         |
|               | 4.6 x 38 x 150 x 2 |         |
|               | 4.6 x 40 x 150 x 2 |         |
|               | 4.6 x 42 x 150 x 2 |         |

| MODEL       | WxHxLxQUANTITY   | G.W. KG |
|-------------|------------------|---------|
| GP-03-20PCS | 3 x 13 x 150 x 2 | 3       |
|             | 3 x 16 x 150 x 2 |         |
|             | 3 x 19 x 150 x 2 |         |
|             | 3 x 22 x 150 x 2 |         |
|             | 3 x 25 x 150 x 2 |         |
|             | 3 x 28 x 150 x 2 |         |
|             | 3 x 31 x 150 x 2 |         |
|             | 3 x 35 x 150 x 2 |         |
|             | 3 x 38 x 150 x 2 |         |
|             | 3 x 41 x 150 x 2 |         |
|             | 4 x 10 x 100 x 2 |         |
|             | 4 x 14 x 100 x 2 |         |
| GP-04-18PCS | 4 x 18 x 100 x 2 | 1.9     |
|             | 4 x 22 x 100 x 2 |         |
|             | 4 x 26 x 100 x 2 |         |
|             | 4 x 30 x 100 x 2 |         |
|             | 4 x 34 x 100 x 2 |         |
|             | 4 x 38 x 100 x 2 |         |
|             | 4 x 42 x 100 x 2 |         |



UNIT : mm

UNIT : mm

UNIT : mm

UNIT : mm

| MODEL            | WxHxLxQUANTITY   | G.W. KG |
|------------------|------------------|---------|
| GP-08-A-36PCS    | 8 x 16 x 150 x 2 | 12.5    |
|                  | 8 x 18 x 150 x 2 |         |
|                  | 8 x 20 x 150 x 2 |         |
|                  | 8 x 22 x 150 x 2 |         |
|                  | 8 x 24 x 150 x 2 |         |
|                  | 8 x 26 x 150 x 2 |         |
|                  | 8 x 28 x 150 x 2 |         |
|                  | 8 x 30 x 150 x 2 |         |
|                  | 8 x 32 x 150 x 2 |         |
|                  | 8 x 34 x 150 x 2 |         |
|                  | 8 x 36 x 150 x 2 |         |
|                  | 8 x 38 x 150 x 2 |         |
|                  | 8 x 40 x 150 x 2 |         |
|                  | 8 x 42 x 150 x 2 |         |
|                  | 8 x 44 x 150 x 2 |         |
|                  | 8 x 46 x 150 x 2 |         |
| 8 x 48 x 150 x 2 |                  |         |
| 8 x 50 x 150 x 2 |                  |         |

| MODEL             | WxHxLxQUANTITY    | G.W. KG |
|-------------------|-------------------|---------|
| GP-10-28PCS       | 10 x 14 x 150 x 2 | 10.2    |
|                   | 10 x 16 x 150 x 2 |         |
|                   | 10 x 18 x 150 x 2 |         |
|                   | 10 x 20 x 150 x 2 |         |
|                   | 10 x 22 x 150 x 2 |         |
|                   | 10 x 24 x 150 x 2 |         |
|                   | 10 x 26 x 150 x 2 |         |
|                   | 10 x 28 x 150 x 2 |         |
|                   | 10 x 30 x 150 x 2 |         |
|                   | 10 x 32 x 150 x 2 |         |
| 10 x 35 x 150 x 2 |                   |         |
| 10 x 40 x 150 x 2 |                   |         |
| 10 x 45 x 150 x 2 |                   |         |
| 10 x 50 x 150 x 2 |                   |         |

| MODEL          | WxHxLxQUANTITY      | G.W. KG |
|----------------|---------------------|---------|
| GP-8.5-A-10PCS | 8.5 x 20 x 150 x 2  | 5       |
|                | 8.5 x 24 x 150 x 2  |         |
|                | 8.5 x 30 x 150 x 2  |         |
|                | 12.6 x 38 x 200 x 2 |         |
|                | 12.6 x 44 x 200 x 2 |         |
| GP-8.5-B-14PCS | 8.5 x 10 x 150 x 2  | 6       |
|                | 8.5 x 15 x 150 x 2  |         |
|                | 8.5 x 20 x 150 x 2  |         |
|                | 8.5 x 24 x 150 x 2  |         |
|                | 8.5 x 30 x 150 x 2  |         |
|                | 12.6 x 38 x 200 x 2 |         |
| GP-6.8-14PCS   | 6.8 x 15 x 150 x 2  | 3       |
|                | 6.8 x 18 x 150 x 2  |         |
|                | 6.8 x 21 x 150 x 2  |         |
|                | 6.8 x 25 x 150 x 2  |         |
|                | 6.8 x 27 x 150 x 2  |         |
|                | 6.8 x 31 x 150 x 2  |         |
|                | 6.8 x 35 x 150 x 2  |         |

| MODEL       | WxHxLxQUANTITY          | G.W. KG |
|-------------|-------------------------|---------|
| GP-200-8PCS | 8 x 24 x 200 x 2        | 6       |
|             | 12 x 36 x 200 x 2       |         |
|             | 22 x 40 x 200 x 2       |         |
|             | 31 x 15 x 200 x 2 x 2.5 |         |



# MILLING ACCESSORIES

## Z-ZERO SETTER



A

B

| MODEL   | HEIGHT        | G.W. KG | LxWxH    | MAGNETISM |
|---------|---------------|---------|----------|-----------|
| NZH-50A | 50.00±0.005mm | 1.3     | 50x63x63 | ○         |
| NZH-50B | 50.00±0.005mm | 1.3     | 50x63x63 | X         |

### Features

- ▶ Computer milling / lathe set the knife long with.
- ▶ Measuring height : 50.00±0.005mm.
- ▶ Small spring force to avoid small cutter or drill fracture.
- ▶ Ground parallel plate can be easily set.
- ▶ The available 4mm hex wrench to adjust the measured height.
- ▶ Available 2.5mm hex wrench to adjust the pointer to zero
- ▶ New Z-axis setter factory has correction setting is completed. Under the knife stroke is 1mm customers to use more convenient.

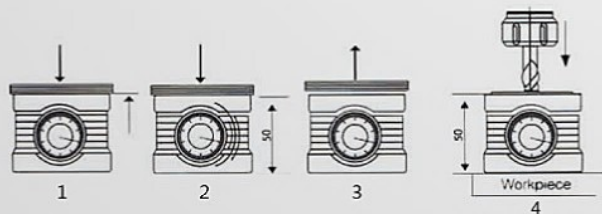


A



### Features

- ▶ Computer milling / lathe set the knife long with.
- ▶ Measuring height : 50.00±0.005mm.
- ▶ Small spring force to avoid small cutter or drill fracture.
- ▶ Ground parallel plate can be easily set.



| MODEL  | HEIGHT        | G.W. KG/KG | LxWxH    | MAGNETISM |
|--------|---------------|------------|----------|-----------|
| ZH-50A | 50.00±0.005mm | 1.3        | 50x63x63 | ○         |

- ▶ PLEASE SET THE STANDARD PARALLEL BLOCK SURFACE PRESSURE.
- ▶ TURN THE DIAL SO THAT THE "0" RETURN TO THE CURSOR POSITION.
- ▶ PARALLEL BLOCK REMOVE.
- ▶ Z-AXIS SETTING DEVICE PLACED ON THE WORKPIECE, THE TOOL PLEASE GO SLOW FEED POINTER 0 SEAT IS 50MM.



## EDGE FINDER



WH-1010



WH-1020



WH-1020A



WH-420



WH-420L

### Features

- ▶ The "WH" type is nonmagnetic. Material quality of this company product ceramics is "Zirconia". Is also called as the " Soviet diamond ".
- ▶ Zirconia characteristic : Toughness is strong , the wearability, degree of hardness is high, is same with the diamond degree of hardness.

unit : mm

| MODEL    | MEASURING POSITION / EBCN | G.W. KG | LxWxH     |
|----------|---------------------------|---------|-----------|
| WH-1010  | 10mm ±0.005               | 0.036   | 86*10*10  |
| WH-1020  | 10mm ±0.005               | 0.052   | 83*20*10  |
| WH-1020A | 10mm ±0.005               | 0.052   | 86*20*10  |
| WH-420   | 4mm ±0.005                | 0.056   | 95*20*10  |
| WH-420L  | 4mm ±0.005                | 0.056   | 100*20*10 |

### Features

- ▶ Please use 600 ~ 800 RPM rotational speed.
- ▶ Measure the terminal after the high-speed rotation, shown in Figure 1, the measurement object and processing terminal end face after contact, touch move slowly, shown in Figure 2, the terminal is not measured vibration, as static state and then, in a more subtle touch moving, then measurement terminal starts sliding toward a certain direction, as shown in Fig. The starting point is to be sought slide reference position.
- ▶ End surface of the workpiece itself, location, location plus terminal radius coordinate measuring 5mm.

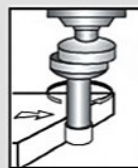


Figure 1

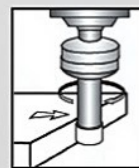


Figure 2

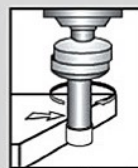


Figure 3

unit : mm

| MODEL   | MEASURING POSITION / EBCN | G.W. KG | LxWxH    |
|---------|---------------------------|---------|----------|
| ME-610  | 6mm ±0.005                | 0.036   | 65*10*10 |
| ME-1020 | 10mm ±0.005               | 0.052   | 83*20*10 |
| ME-420  | 4mm ±0.005                | 0.052   | 86*20*10 |



ME-610



ME-1020



ME-420

[www.chin-chao.com.tw](http://www.chin-chao.com.tw)



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precision vise, dividing head, shank, boring knife, Chuck ... and so on, for CNC Machining Center, lathes, grinders, milling machines, machinery parts

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MPPV-16

## COMPANY INTRODUCTION

CHIN CHAO INDUSTRIAL CO., LTD. was founded in 1981 AD, the establishment has more than 30 years, the company is mainly engaged in the production and trading of various machinery parts production base in Taiwan and has sales in Taichung, Taiwan and mainland China, Dongguan stronghold, the Company's Earth graphic LOGO to show the world the concept of Chin-Chao industrial products marketing.

The company sells products primarily for precision vise, dividing head, shank, boring knife, Chuck ... and so on, for CNC Machining Center, lathes, grinders, milling machines, machinery parts, and is committed to producing high-precision, high-quality products and continuous investment in product R & D and innovation to make products more practical, and expect to become the best partner of customers engaged in the processing.



WELCOME TO  
CHIN CHAO INDUSTRIAL CO., LTD.