



Best aid  
**SAFEWAY**

ISO-9001

**PHV**

## MOST SUITABLE FOR MILLING MACHINE

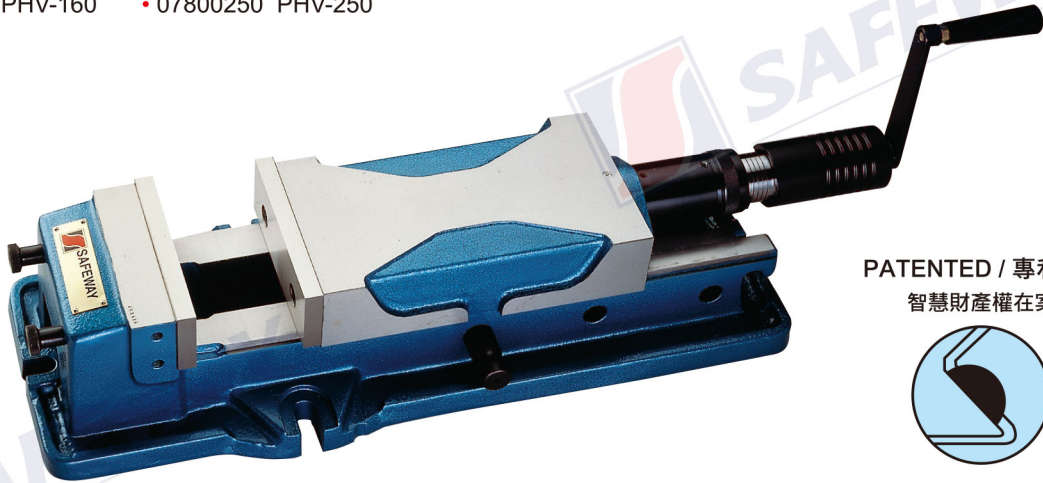
最適合傳統銑床、精密加工使用

Down Thrust / Hydraulic

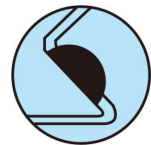
角固式 / 好用型

MODEL • 07800130 PHV-130 • 07800200 PHV-200  
• 07800160 PHV-160 • 07800250 PHV-250

夾緊能力 Clamp force (KN)  
0 50 100 KN



PATENTED / 專利在案  
智慧財產權在案

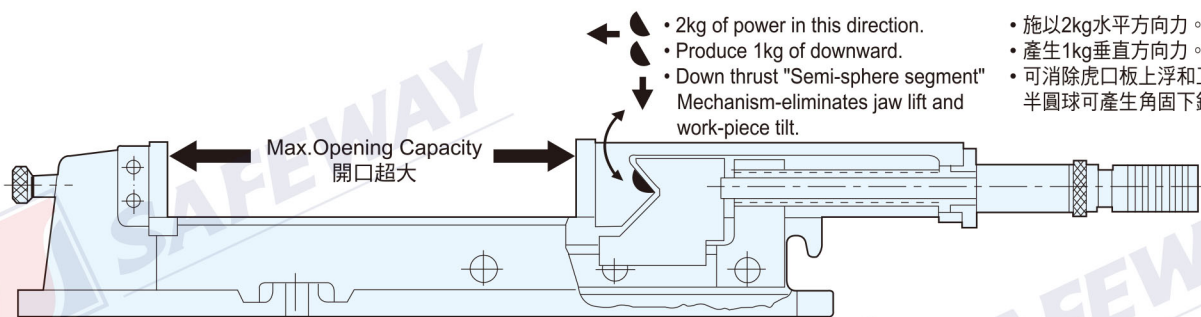


### FEATURES :

- Mechanical / Hydraulic spindle without original clutch mechanism.
- Clamping system: Mechanical / Hydraulic.
- Large clamping & long guidance of movable jaw.
- Rapid clamping range adjustment.
- Rigid material-vise body of ductile iron FCD600 JIS (Equal to GGG-60) with 60kgs/mm<sup>2</sup> or 80,000psi tensile strength.
- Down thrust "Semi-sphere segment" Mechanism-eliminates jaw life and work tilt.
- Vise bed flame hardened to HRC45° and up takes up wear and maintain accuracy for long.

### 特性：

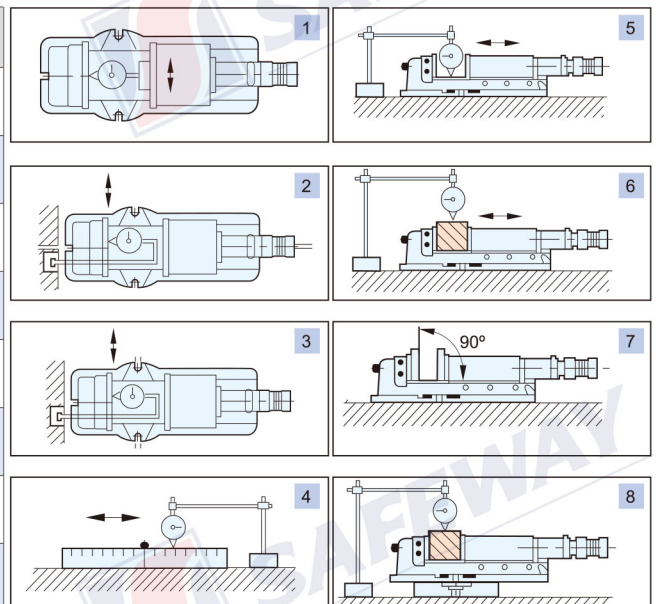
- 機械式 / 油壓式可單獨使用，亦可合併使用，油壓夾緊力大且穩定，適合重切削精密加工。
- 夾緊系統：機械式 / 油壓式。
- 角固式半圓球可產生角固下鎖之力~可消除虎口上浮和工件傾斜。
- 虎鉗滑動面及底面均經精密研磨。
- 強而有力材質~虎鉗本台使用球狀石墨鑄鐵(FCD600~60kgs/mm<sup>2</sup>) (80,000psi) 抗張力強，耐磨性高，不易變形。
- 虎鉗滑動面均經硬化熱處理HRC45°以上，可保持長久耐用性及精度。
- 對於特殊用途，可以接受同高度、垂直度、平行度在0.010mm以內之公差，但價格另議。
- 最適合銑床加工、模具業使用。



- 2kg of power in this direction.
- Produce 1kg of downward.
- Down thrust "Semi-sphere segment" Mechanism-eliminates jaw lift and work-piece tilt.

- 施以2kg水平方向力。
- 產生1kg垂直方向力。
- 可消除虎口板上浮和工件傾斜  
半圓球可產生角固下鎖之力。

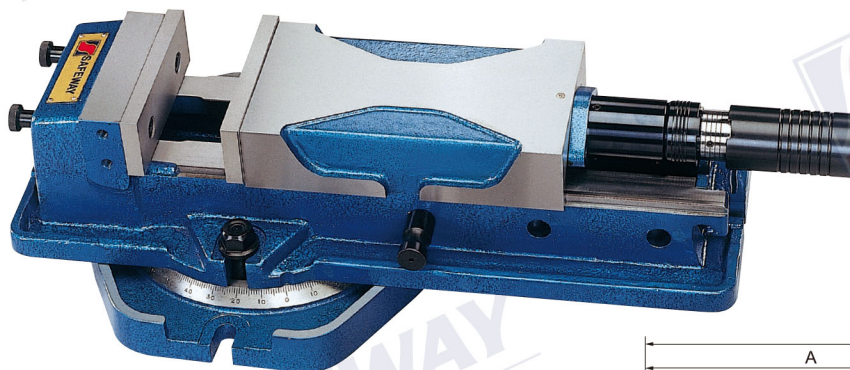
| NO | TEST ITEM / 檢查事項                                                                                         | JIS grade 1.<br>JIS 1級 | Guaranteed<br>許可精度 |
|----|----------------------------------------------------------------------------------------------------------|------------------------|--------------------|
| 1  | Both jaw plate parallel<br>兩虎口板相互平行度                                                                     | 0.020<br>100mm         | 0.020<br>100mm     |
| 2  | Keyways on bottom of vise bed square to clamping surface of jaw plate.<br>虎鉗底部鍵槽與虎口板之直角度                 | 0.020<br>100mm         | 0.015<br>100mm     |
| 3  | Keyways on bottom of vise bed parallel to clamping surface of jaw plate.<br>虎鉗底部鍵槽與虎口板之平行度               | 0.020<br>100mm         | 0.015<br>100mm     |
| 4  | Swivel base parallel<br>迴轉盤之平行度                                                                          | 0.020<br>100mm         | 0.015<br>100mm     |
| 5  | Surface of vise bed parallel to bottom of vise body.<br>虎鉗底部與滑動面之平行度                                     | 0.030<br>100mm         | 0.010<br>100mm     |
| 6  | Surface of vise bed parallel to bottom of vise body.<br>工件夾緊之平行度                                         | 0.050<br>100mm         | 0.020<br>100mm     |
| 7  | Clamping surface of jaw plate perpendicular to vise bed, the angle always being less than 90°<br>虎口之直角度  | 0.050<br>100mm         | 0.030<br>100mm     |
| 8  | Top of rectangular test block clamped tightly by jaws parallel to bottom of swivel base<br>工件夾緊後與迴轉盤之平行度 | 0.040<br>100mm         | 0.030<br>100mm     |





**LOCK-DOWN JAW MECHANICAL / HYDRAULIC MACHINE VISE**

角固式 / 外藏式精密油壓虎鉗



**Standard Accessories**

1. Handle x 1 pc
2. Guide key x 2 pcs  
M6 x 10L x 2 pcs

**Optional Accessories**

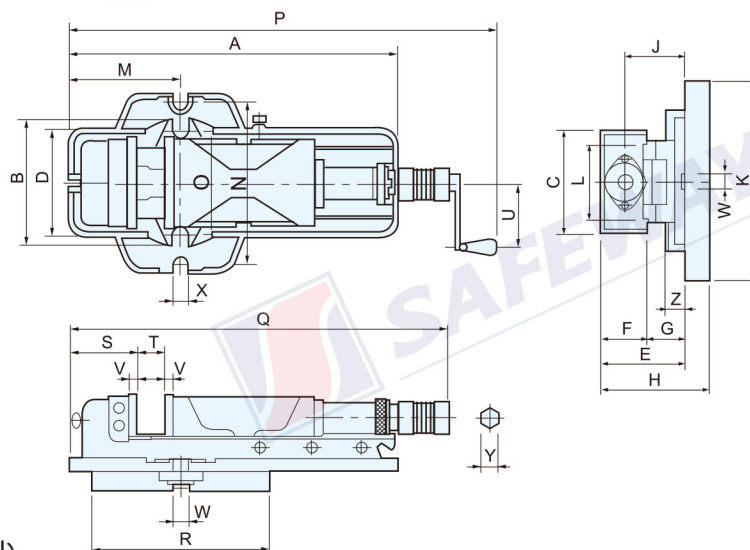
1. Special application jaw plates.  
(P81,82)
2. Swivel base (SB-cast iron)

**標準附件**

1. 把手一組
2. 導正鍵2只  
螺絲 x 2只 (M6 x 10L)

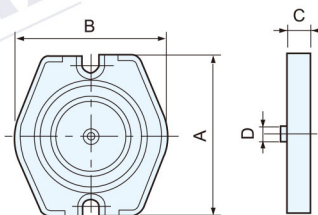
**特殊附件**

1. 特殊虎口 (P81,82)
2. 迴轉盤 (SB型鑄鐵)



**SWIVEL BASE (CAST IRON) / 迴轉盤 (鑄鐵製)**

- MODEL • 07804130 SB-130 • 07804200 SB-200  
• 07804160 SB-160 • 07804250 SB-250



**Standard Accessories**

1. T-Bolts x 2 pcs
2. 5/8" Nuts x 2 pcs

**標準附件**

1. T型螺栓x2支
2. 5/8" 丸型螺帽x2只

Unit:mm

| Order NO.<br>訂購編號 | SB  | A   | B   | C  | D  | N.W.<br>淨重 |
|-------------------|-----|-----|-----|----|----|------------|
| 07804130          | 130 | 290 | 260 | 34 | 16 | 9.0kg      |
| 07804160          | 160 | 340 | 320 | 39 | 16 | 15kg       |
| 07804200          | 200 | 400 | 360 | 46 | 18 | 23kg       |
| 07804250          | 250 | 460 | 420 | 50 | 18 | 32kg       |

Unit: mm

| Order NO.<br>訂購編號 | Model<br>型號 | A   | B   | C   | D   | E   | F  | G   | H   | J   | K   | L   | M   | N   | O   | P          |
|-------------------|-------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 07800130          | PHV-130     | 505 | 190 | 130 | 170 | 127 | 55 | 72  | 163 | 95  | 290 | 106 | 180 | 250 | 160 | 695 / 920  |
| 07800160          | PHV-160     | 625 | 240 | 160 | 205 | 140 | 58 | 82  | 179 | 105 | 340 | 125 | 208 | 300 | 196 | 755 / 1055 |
| 07800200          | PHV-200     | 700 | 280 | 200 | 240 | 163 | 63 | 100 | 205 | 125 | 400 | 165 | 265 | 360 | 240 | 830 / 1140 |
| 07800250          | PHV-250     | 810 | 320 | 250 | 290 | 190 | 80 | 110 | 238 | 139 | 460 | 195 | 320 | 410 | 270 | 920 / 1260 |

| Order NO.<br>訂購編號 | Model<br>型號 | Q          | R   | S   | T   | U   | V  | W  | X  | Y  | Z  | Jaw Opening Position I II III<br>行程開口 |
|-------------------|-------------|------------|-----|-----|-----|-----|----|----|----|----|----|---------------------------------------|
| 07800130          | PHV-130     | 570 / 795  | 260 | 105 | 220 | 125 | 15 | 16 | 18 | 14 | 25 | 0-75 / 70-150 / 145-225               |
| 07800160          | PHV-160     | 640 / 940  | 320 | 125 | 300 | 125 | 15 | 16 | 18 | 14 | 27 | 0-110 / 100-210 / 200-310             |
| 07800200          | PHV-200     | 725 / 1035 | 365 | 150 | 300 | 125 | 18 | 18 | 22 | 14 | 36 | 0-110 / 100-210 / 200-310             |
| 07800250          | PHV-250     | 815 / 1155 | 420 | 180 | 340 | 125 | 21 | 18 | 22 | 14 | 36 | 0-115 / 110-230 / 225-345             |

| Order NO.<br>訂購編號 | Model<br>型號 | Max. Pressure<br>最大油壓夾緊力 | Limit. Pressure<br>極限油壓夾緊力 | N.W. / G.W.<br>淨重 / 毛重 | Shipment Size<br>裝箱尺寸 | Weight of vise with<br>swivel base<br>附迴轉盤(淨重/毛重) | Vise with swivel base<br>附圓轉盤裝箱尺寸 | Remark<br>備註 |
|-------------------|-------------|--------------------------|----------------------------|------------------------|-----------------------|---------------------------------------------------|-----------------------------------|--------------|
| 07800130          | PHV-130     | 36KN(3528kgf)            | 41KN(4018kgf)              | 36kg / 38kg            | 645x260x185           | 46kg / 55kg                                       | 690x360x270                       |              |
| 07800160          | PHV-160     | 41KN(4018kgf)            | 52KN(5096kgf)              | 56kg / 58kg            | 730x260x190           | 72kg / 82kg                                       | 750x430x290                       |              |
| 07800200          | PHV-200     | 62KN(6076kgf)            | 72KN(7056kgf)              | 90kg / 102kg           | 860x380x280           | 117kg / 131kg                                     | 860x520x310                       |              |
| 07800250          | PHV-250     | 72KN(7056kgf)            | 82KN(8036kgf)              | 140kg / 160kg          | 960x450x300           | 172kg / 200kg                                     | 900x560x350                       |              |