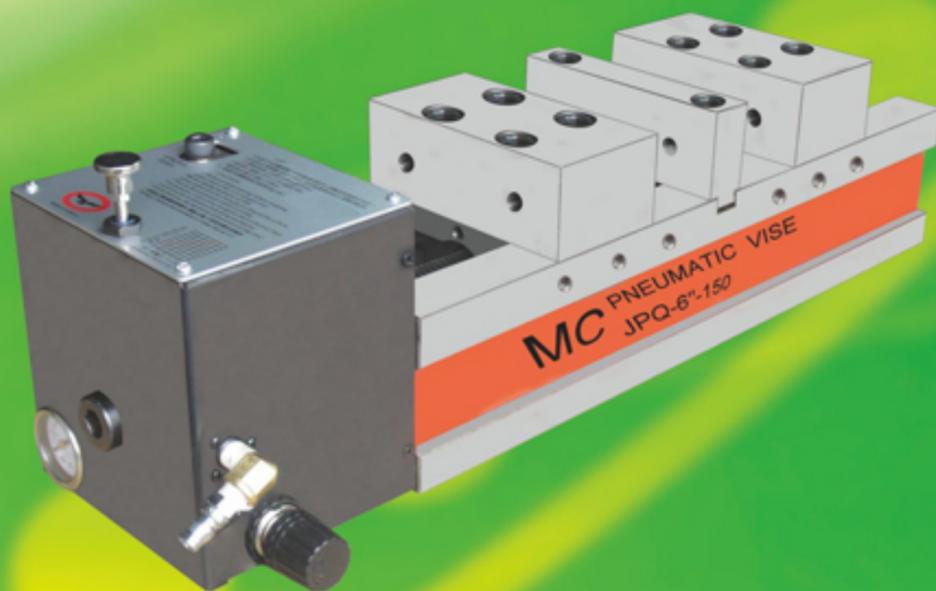
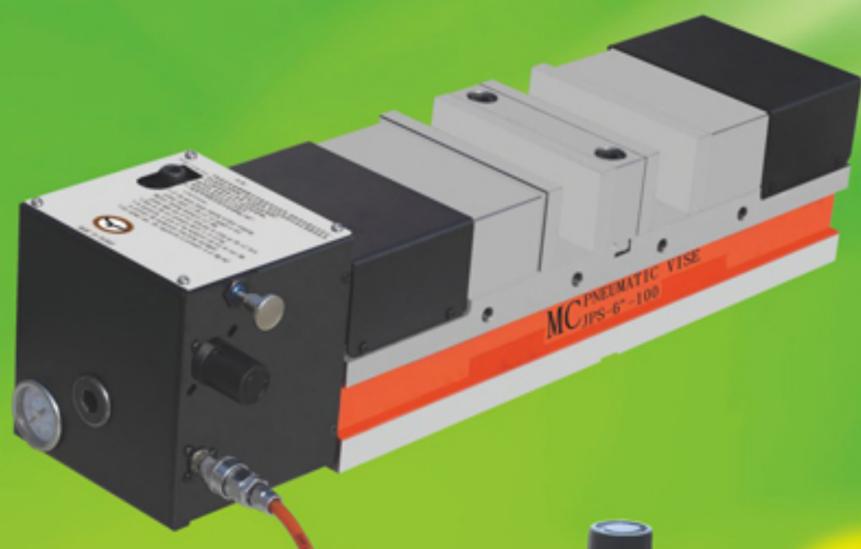


本序列產品已獲美國,台灣發明專利,德國,大陸等多國多項專利

The product is an exclusive patent authorized by USA .Taiwan, Germany, China respectively,



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MC 精密型 超高壓 快速虎鉗 MC PRECISION SUPER HI-PRESSURE RAPID VICE

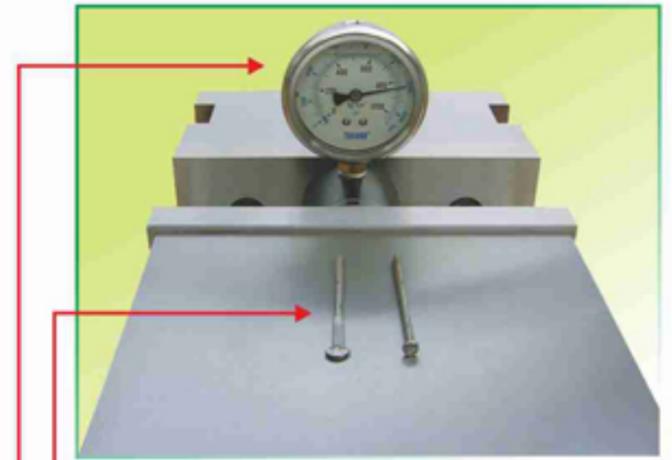
● 本產品已獲美國發明專利、德國、台灣、大陸等多國多項專利

● This Product is The Exclusive Patent Authorized By U, S, A, Germany, Taiwan And P,R,C

(全國第一台增壓馬達型虎鉗)非一般氣壓缸型結構

The first reinforced motor vice(Non-common pneumatic cyl. structure) in Taiwan.

新產品
NEW PRODUCT



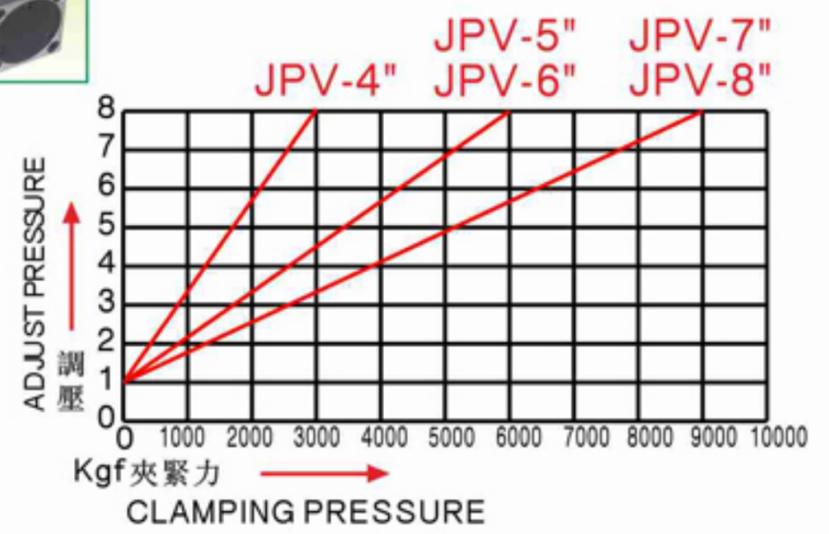
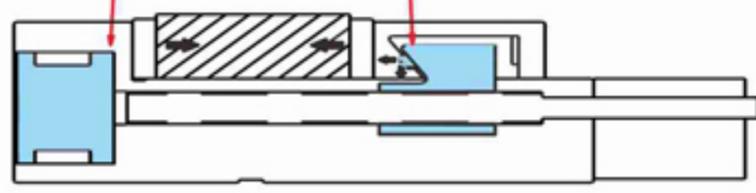
● 唯有自動補壓功能才能將鐵釘夾成扁平狀
Only way to press flat type nails is the automatic pressure compensate system.

● 8kg/cm²之低壓源，即可達9000kgf之超高挾持力
8kg/cm² low pressure former can holding very high force up to 9000kgf.



前置出力可產生雙向力減少本體變形使工件更加精準
Forward output pressure can product two-way power for reducing main body from becoming deformed and the working parts will be more accurate.

半球可產生角固下鎖之力可消除虎口板上浮和工作傾斜
Conical shape can produce an angle lock power for prevention of cutting plate movement.



本虎鉗原理是採用自行研發之往復式空壓馬達(專利結構)，以氣壓連續推動油路方式，來達成自動化，且不需三點組合來過濾水氣，其特性絕對為全國所僅有甚而超越國內外任何廠牌。

※ **超高挾持力:**
空壓源8kg/cm²之低壓源，即可達9000kgf之超高挾持力，而挾持力從0-9000kgf可藉由調壓器自由調整設定。

※ **自動尋找最高空壓源**
當銅鋁類產品輕加工或鑄鐵類初胚重切削時，用調壓器設定在所需壓力，也不會因空壓源在低點而失壓，而且有自動補壓及穩壓之功能，以確保工件之挾持。

※ **最大挾持安全距離**
開關速度只需1.5秒，挾持安全距離可達8mm，可輕易由肉眼辨識出工件挾持之安全距離，是否超限。

※ **立、側、臥三用**
定寸規格，本體六面磨光並預留壓板槽，不須治具板，即可直立加工。

※ **超高材質**
虎鉗本體材質採用高延展性之石墨鑄鐵(FCD-60)一體成型設計，兩側滑軌經硬化熱處理(HRC-45)，確保高精度，高耐磨，高抗張力。

※ **內藏角固下壓結構**

The principle of this vice is adopting the reciprocating pneu. motor (pat. structure) which R & D by inhouse and that employs an air actuated cylinder. Circuiting progressively to make automation, no need the R.F.L unit to filter the moisture. The sole character is superior than any brand in domestic & international market.

※ **Super hi-gripping force**
Even the air source at low pressure 8kg/cm² which can be achieved super hi-gripping force 9000kgf, and the 0-9000kgf gripping force can be adjusted freely by pressure regulator.

※ **Seeking the highest air source automatically**
When processed copper, aluminium etc., non-iron workpiece or raw cast iron etc., making heavy cutting which can be made adaptable gripping force to ensure work piece clamping and with auto compensating & retaining pressure etc., functions.

※ **The biggest safety clamping range:**
The shifting speed is only 1.5 sec. with safety range: 8mm, and can be visible the clamped work piece safety range is exceeded or not.

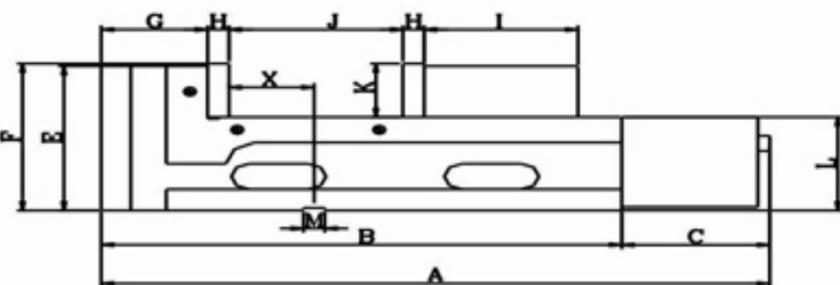
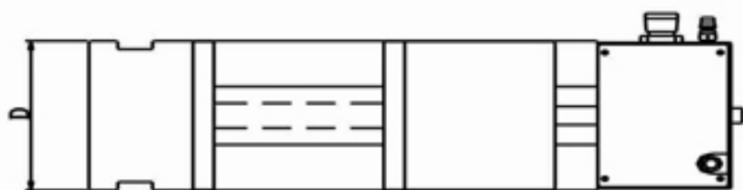
※ **Triple usage of vertical, side, horizontal:**
Six faces of vice body be super grinding & pre-setting holding slot, and can be processed vertically without jig fixture.

※ **Super rugged material:**
The vice body is adopted hi-tensile graphite casting iron (FCD-60), on-piece design and harden heat-treatment (HRC 45) at two slide way which ensured hi-precision, hi-durability & hi-tensile.

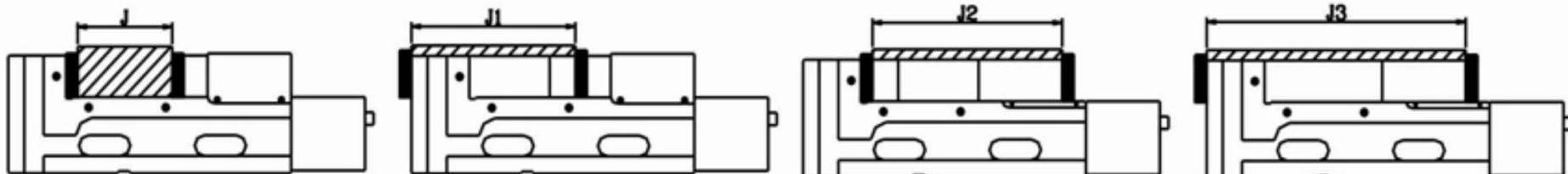
※ **Submersed angle fixed pressed down structure**

本產品已獲美國發明專利.德國.台灣.大陸等多國多項專利

This Product is The Exclusive Patent Authorized By U, S, A, Germany. Taiwan And P,R,C

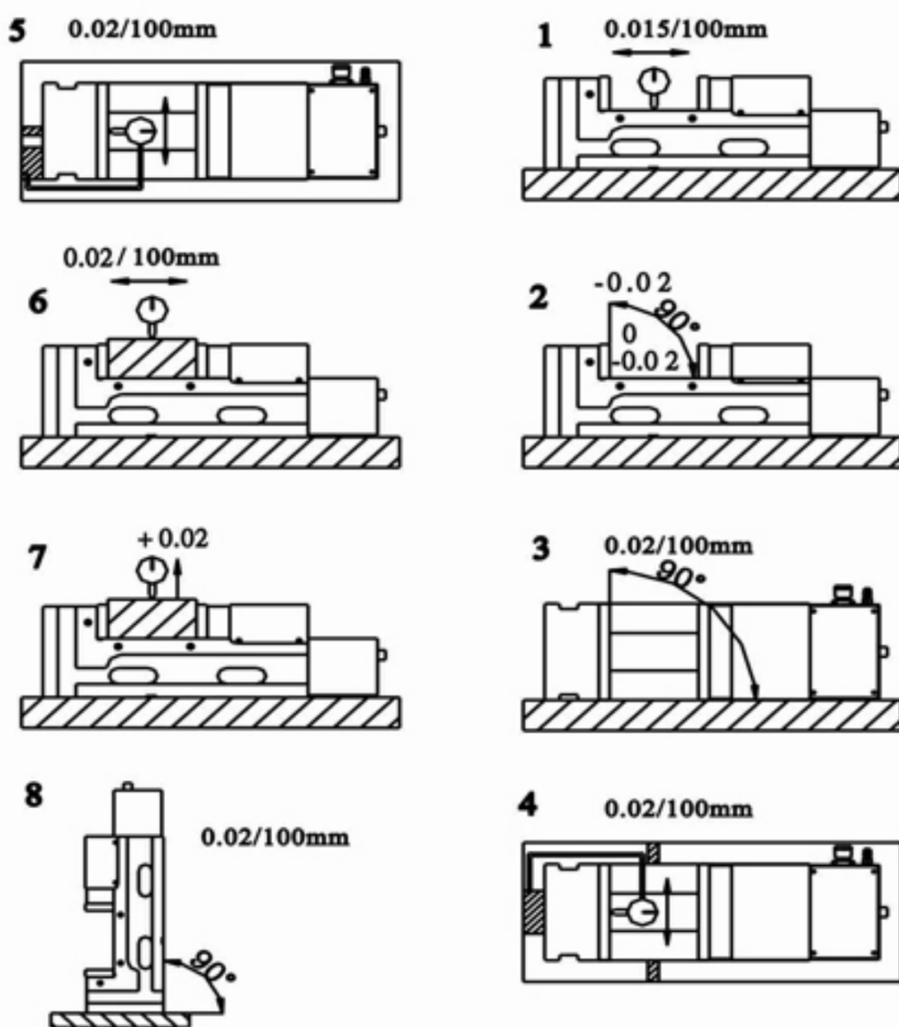


四種不同挾持方式



型號 MODEL	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	K	L	M	X	夾持力	淨重	毛重	公分
JPV-4"-100	435	320	125	100	145	148	85	15	100	0-100	95-220	100-200	200-300	48	100	16	45	3200	27	29	紙箱 53X23X22
JPV-5"-150	505	380	125	130	157	160	85	15	110	0-150	95-250	110-275	200-380	55	105	18	45	6000	38	40	紙箱 63X23X22
JPV-6"-160	525	400	125	160	160	163	85	15	120	0-160	95-260	120-295	210-400	58	105	18	45	6000	48	50	紙箱 63X23X22
JPV-6"-250	615	490	125	160	160	163	85	15	120	0-250	95-350	120-395	210-490	58	105	18	45	6000	52	55	紙箱 72X23X22
JPV-7"-200	585	460	125	180	170	173	90	18	130	0-200	100-300	130-350	220-460	63	110	18	72	9000	65	72	木箱 76X34X25
JPV-8"-200	595	470	125	200	170	173	90	18	140	0-200	100-310	140-360	230-470	63	110	18	72	9000	70	80	木箱 76X34X25
JPV-8"-300	695	570	125	200	170	173	90	18	140	0-300	100-410	140-460	230-570	63	110	18	72	9000	79	90	木箱 87X34X25

NO	檢驗項目 Inspection items	100mm	容許值
1	虎鉗底部與滑動面平行度 The levelness of this vice's bottom with sliding face.		0.015mm
2	夾爪端面與底部之垂直度 The verticality of the end of clamp with bottom.		-0.02mm
3	側邊與滑道面之垂直度 The verticality of side with sliding face.		0.02mm
4	鉗口面對本座底面型槽的平行度 The level of vice opening with the T-type flute of this unit's bottom.		0.02mm
5	鉗口面對本座底面型槽的垂直度 The verticality of vice opening with the T-type flute of this unit's bottom.		0.02mm
6	測試塊夾緊後其上面對本座底面之平行度 The level of the top clamped test block with this unit's bottom		0.02mm
7	測試塊夾緊後對本座底面之上浮量 The excess amount of clamped test block to this unit's bottom		+0.02mm
8	本座直立對底面之直角度 The right angle of this vertical unit to bottom of this unit.		0.02mm



MC 增壓器型雙夾虎鉗

MC SUPER HI - PRESSURE DOUBLE VICE

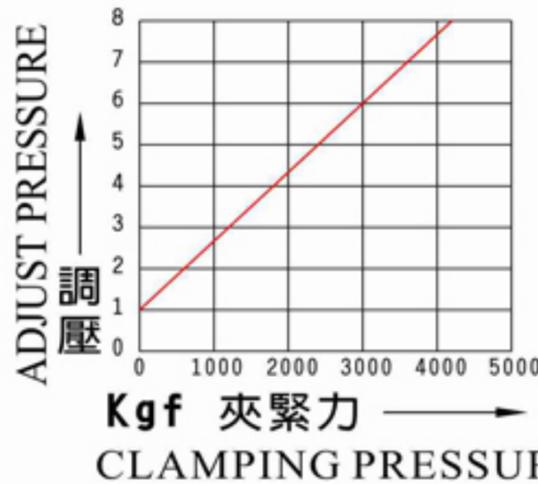
● 本產品已獲美國發明專利、德國、台灣、大陸等多國多項專利

● This Product is The Exclusive Patent Authorized By U, S, A, Germany, Taiwan And P,R,C

(全國第一台增壓器型自動雙夾虎鉗) 非一般氣壓缸型結構

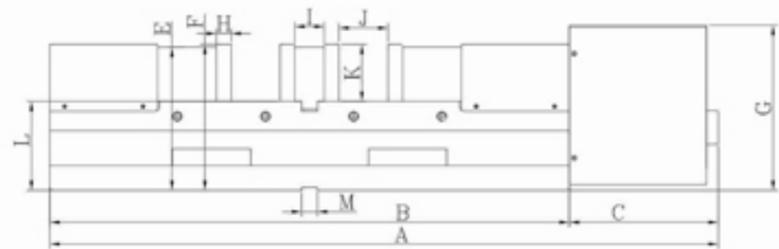
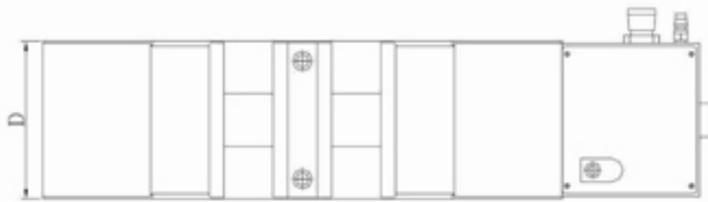
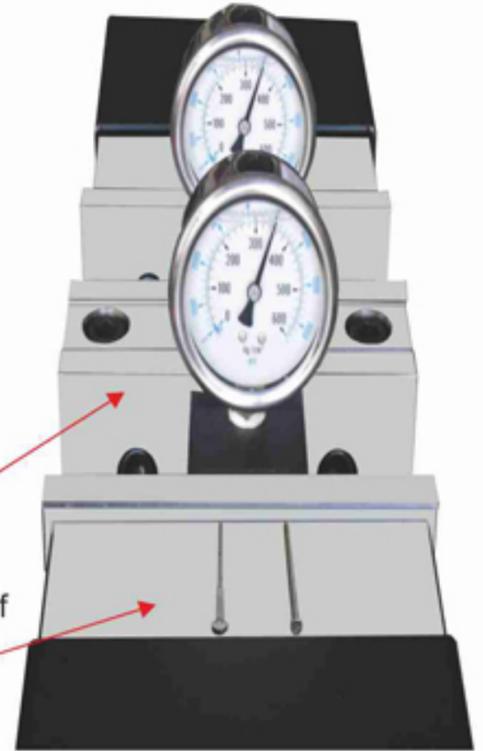
The first super hi - pressure double vice (not general pneumatic cyl. structure) made in Taiwan.

新產品
NEW PRODUCT



8kg/cm²之低壓源，即可達4000kgf之超高挾持力
Only need 8kg/cm² of low air-pressure source to achieve 4000kgf of super hi-gripping force

唯有自動補壓功能才能將鐵釘夾成扁平狀
By using automatic pressure compensate system to press nails in a flat type.



型號 MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	夾持力	淨重	毛重
JPS-6"-100	682	530	152	160	145	148	168	15	30	0-100	58	90	18	4000	63	66

以氣壓連續推動油路方式，來達成自動化，且不需三點組合來過濾水氣，其特性絕對為全國所僅有甚而超越國內外任何廠牌。

超高挾持力:

空壓源8kg/cm²之低壓源，即可達4000kgf之超高挾持力，而挾持力從0-4000kgf可藉由調壓器自由調整設定。

自動尋找最高空壓源

當銅鋁類產品輕加工或鑄鐵類初胚重切削時，用調壓器設定在所需壓力，也不會因空壓源在低點而失壓，而且有自動補壓及穩壓之功能，以確保工件之挾持。

最大挾持安全距離

開關速度只需1.5秒，手自動雙夾機構自動調整並同時夾持5mm以內兩個大小不同之工件。

超高材質

虎鉗本體材質採用高延展性之石墨鑄鐵(FCD-60)一體成型設計，兩側滑軌經硬化熱處理(HRC-50°)，確保高精度，高耐磨，高抗張力。

內藏角固下壓結構

半圓球可產生角固下鎖之力可消除虎口板上浮和工件傾斜。

This outstanding vice is adopt the reciprocating pneu. motor (pat. structure) which is researched and developed by ourselves to push oil circuit in an air-pressure actuating manner, thus obtaining automation without the R.F.L unit to filter the moisture. So, such a characteristic is unique and distinctive in domestic and international market.

※Super hi-gripping force

Only need 8kg/cm² of low air - pressure source to achieve 4000kgf of super hi-gripping force, and this gripping force can be adjusted within 0 - 4000kgf by using a pressure regulator.

※Search the highest compressed air source automatically

When processing copper, aluminum or heavy machining cast iron workpiece or raw cast iron, the pressure regulator can be set at a desired pressure without losing pressure. Besides, the gripping force can be kept to clamp the workpiece securely in auto compensating and pressure stabilizing functions.

※The biggest safety clamping range:

The shifting speed is only 1.5 sec. the double vice mechanism can be adjusted automatically and can simultaneously clamp two different workpieces in less than 5mm of size.

※Super rigid material:

The body of the vice is integrally made of hi-tensile graphite casting iron(FCD-60)and is harden by heat-treatment (HRC 45) at its two slide way, thereby ensuring hi-precision, hi-durability & hi-tensile.

※Submersed angle fixed pressed down structure

Submersed angle pressed structure in a semi-sphere shape to produce an angle lock power, thus preventing the cutting plate from movement.

MC增壓器型浮動雙夾虎鉗 MC SUPER HI-PRESSURE DOUBLE VICE

● 本產品已獲美國、台灣發明專利、德國、大陸等多國多項專利 This Product is patented in USA, Germany, Taiwan, and China.

(全國第一台增壓器型自動+浮動雙夾虎鉗) 非一般氣壓缸型結構

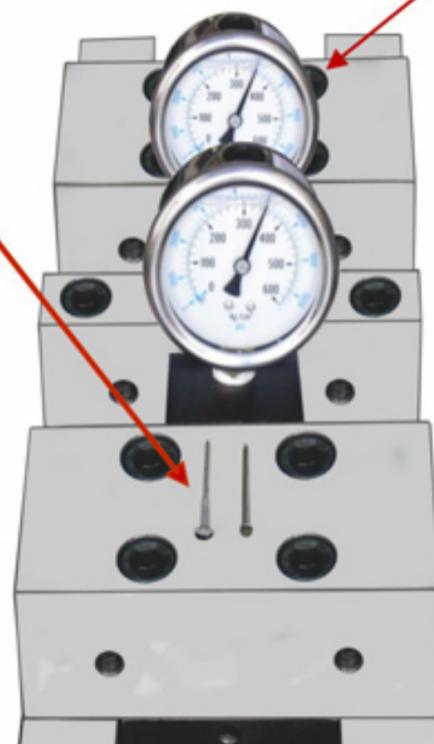
The first super hi-pressure double vice (not general pneumatic cyl. structure) made in Taiwan.

新產品
NEW PRODUCT

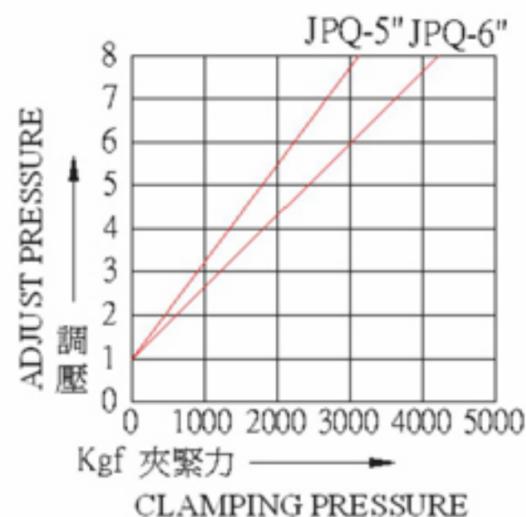
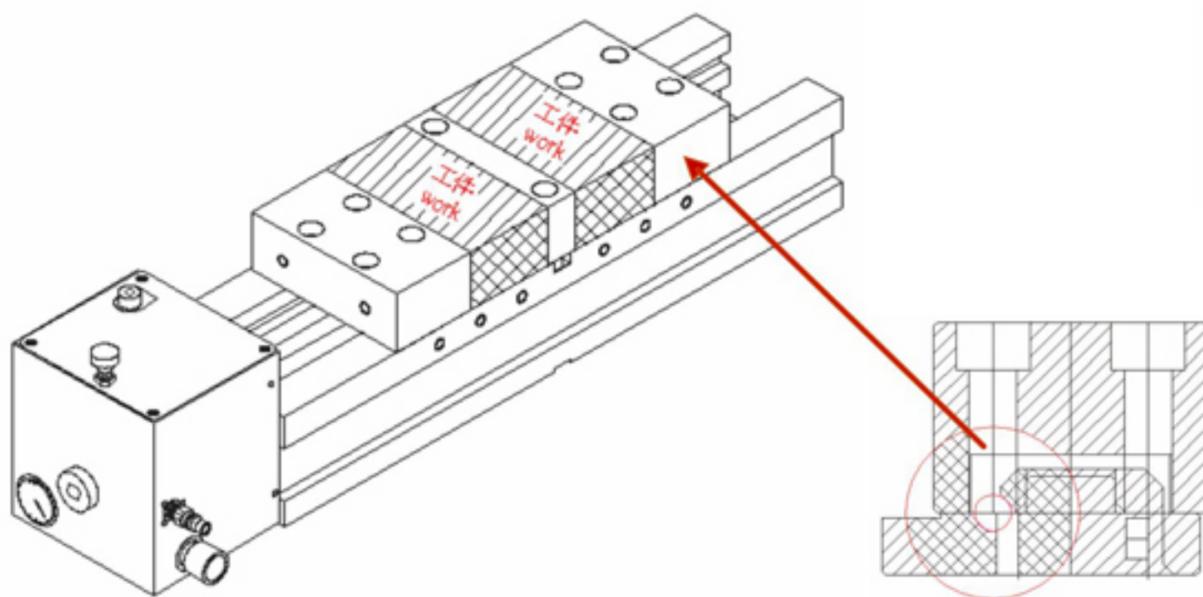


自動雙夾機構
Having automatic dual clamp mechanism

8kg/cm²之低壓源，即可達 4000kgf 之超高挾持力
Only need 8kg/cm² of low pressure source to achieve 4000kgf of super-gripping force
唯有自動補壓功能才能將鐵釘夾成扁平狀
By using automatic pressure compensate system to press nails in a flat type.



自動調整並同時夾持 5mm 以內兩個大小不同之工件 (發明專利油壓結構)
Automatically adjust and clamp two different workpiece within 5mm
(patented to hydraulic structures)

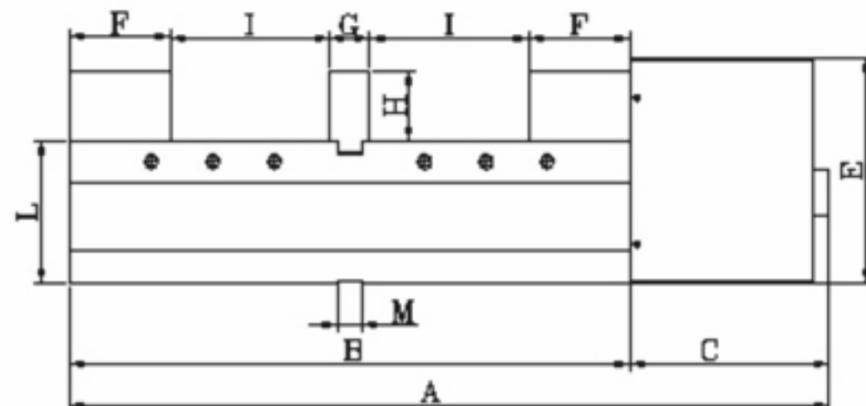
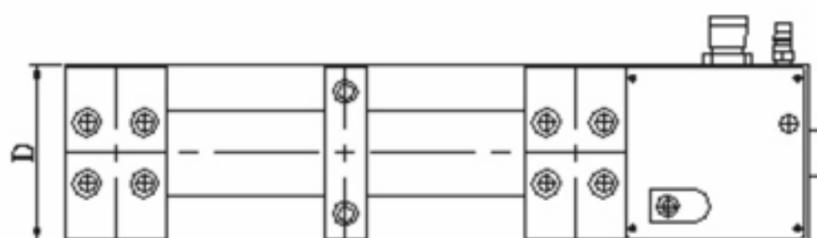


內藏浮動下壓可產生下鎖之力，可消除虎口板上浮和工作傾斜 (發明專利結構)

(一般由上方螺絲鎖住滑動塊虎鉗，沒有下壓力量)

Having built-in floating pressing structure to provide downward locking force to eliminate flotation of vise jaw and operational slope (patented structure)

(locking slidable block of vise from upper screw, and no pressing force occurs)



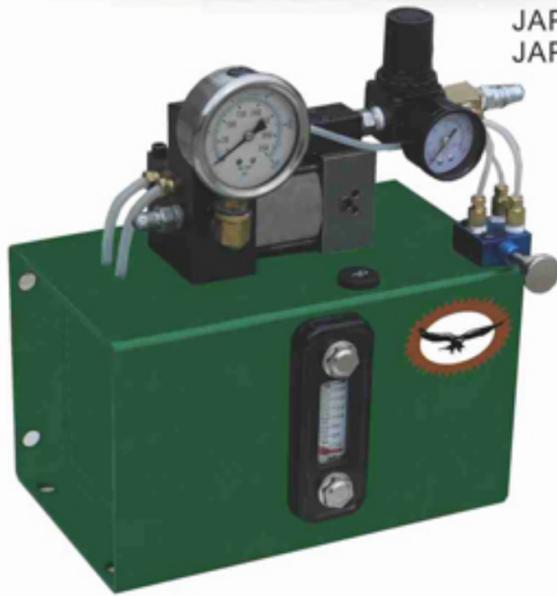
型號 MODEL	A	B	C	D	E	F	G	H	I	L	M	夾持力	淨重	毛重
JPQ-5"-110	556	410	146	130	166	74	30	52	0-115	105	18	3200	42Kg	44Kg
JPQ-6"-150	656	510	146	160	168	82	30	55	0-155	105	18	4000	67Kg	69Kg

氣動油壓動力組合

Air Hydraulic Power Assembly.

● 本產品已獲美國發明專利、德國、台灣、大陸等多國多項專利

● This Product is The Exclusive Patent Authorized By U, S, A, Germany, Taiwan And P, R, C



JAP倍數5,10,20,32
JAP double 5,10,20,32

新產品
NEW PRODUCT



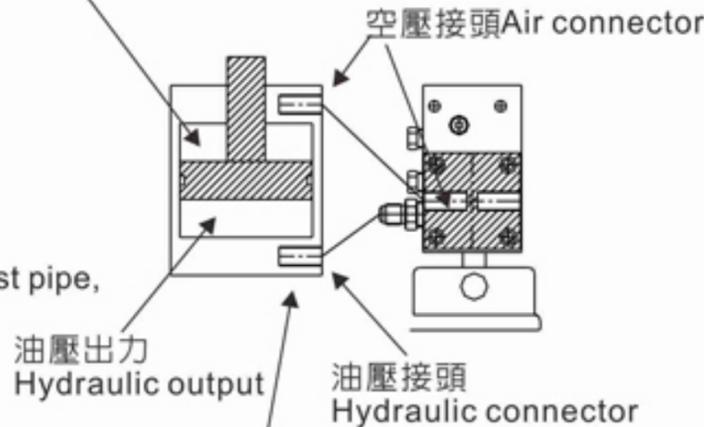
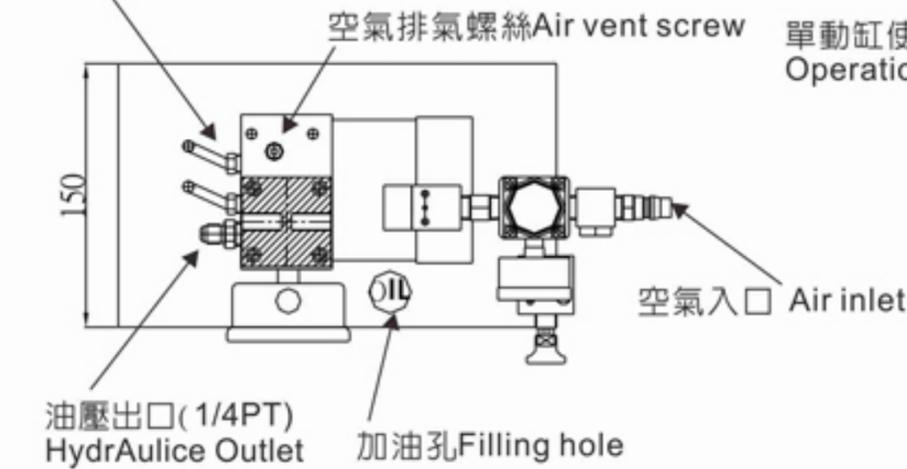
JAP倍數44,62
JAP double 44,66

單動缸用single-acting cylinder
JAP倍數double 5,10,20,32,44,62

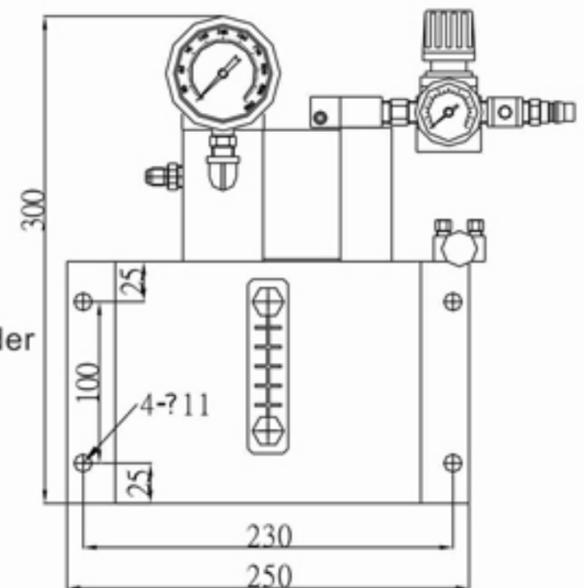
使用空壓或彈簧回程
Use pneumatic or spring return stroke

注意油壓出口沒有出油,請將空氣排氣螺絲,轉鬆半圈直到排氣管出油,然後鎖緊
If no oil flows out of the outlet, please unscrew the air vent screw loosely in half circle until the oil flows through the exhaust pipe, and then screw the air vent screw again.

排氣管exhaust pipe



單動缸使用方式示意圖
Operation drawing for single-acting cylinder



型式 Type	JPA-5	JPA-10	JPA-20	JPA-32	JPA-44	JPA-62
增壓比 pressure Ratio	5:1	10:1	20:1	32:1	44:1	62:1
油壓壓力oil pressure (kgf/cm ²)	25	50	100	175	220	310
流量 Flow (cc/min)	2600	2100	1600	1250	950	750

油壓壓力以氣壓源5kgf/cm²所計算值 The tabulated oil pressure is calculated with 5kgf/cm² air pressure.

氣動油壓動力組合

Air Hydraulic Power Assembly.

該型產品是自行研發設計之連續往復式增壓器

This product is a reciprocate turbocharger in our new design.

利用空壓驅動增壓幫浦,輸出油壓壓力。

Used of air pressure to drive the boost pump to output oil pressure.

作為油壓缸之動力源,流量大於一般增壓器,動作缸無行程之限制

The flow of the power source of hydraulic cylinder is more than that of general turbochargers, and the booster stoke is not limited.

以調壓閥調整壓力,達到增壓倍數即停止驅動

Adjust the pressure gate by using the air regulating valve to stop driving while the pressure is double boosted.

油壓壓力降時,有自動補償壓力之功能

The pump will be compensated automatically to booster while lowering the hydraulic pressure.

幫浦不需零件移動或增加流體溫度便能快速獲得所需之壓力,因此節省能源

The parts of pump do no need to remove or to add fluid temperature so as to obtain desired pressure, thus saving power source.

特別適用於長時間油壓夾持,省能源,不產生油溫經濟方便

It's suitable for long clamping to save the power source without resulting in oil temperature, so it is convenient and economical.

幫浦在危險或受限區域中之使用不會產生電弧或火花

The pump can be used in a dangerous or limited area without arc or spark

油箱體積小,節省空間,安裝容易。

Oil tanker is in a small size to save space and to be installed easily.

氣動油壓動力組合

Air Hydraulic Power Assembly.

● 本產品已獲美國發明專利、德國、台灣、大陸等多國多項專利

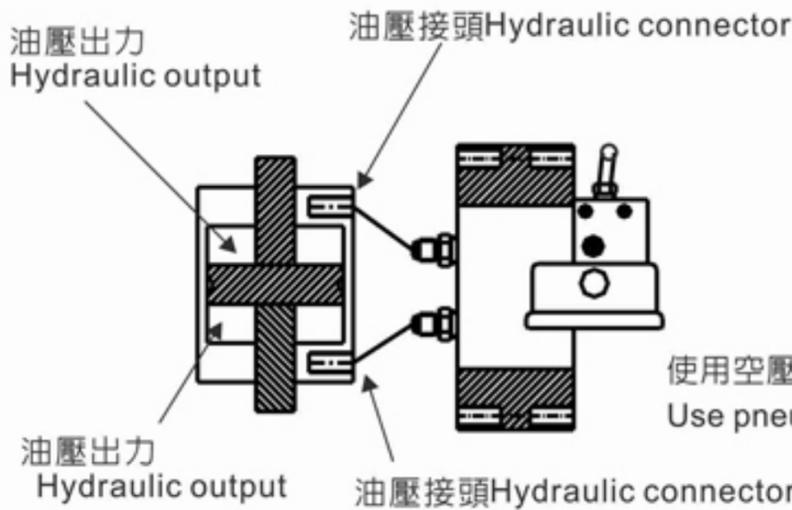
● This Product is The Exclusive Patent Authorized By U, S, A, Germany, Taiwan And P, R, C

可追加迴路 Adding loop is allowed



新產品
NEW PRODUCT

可使用於單動缸或雙動缸，迴路獨立控制，追加迴路可控制2個以上油壓缸
Allow to be used in single-acting cylinder or double-acting cylinder, the loop is controlled independently, and adding another loop is allowed to control at least two hydraulic cylinders.
可取代一般電動幫浦
Replace general electric pumps
JPB倍數double 5,10,20,



雙動缸使用方式示意圖
Operation drawing for double-acting cylinder

使用空壓或彈簧回程
Use pneumatic or spring return stroke

油壓出力
Hydraulic output

使用空壓或彈簧回程
Use pneumatic or spring return stroke

油壓出力
Hydraulic output

空壓接頭 Air connector

油壓接頭 Hydraulic connector

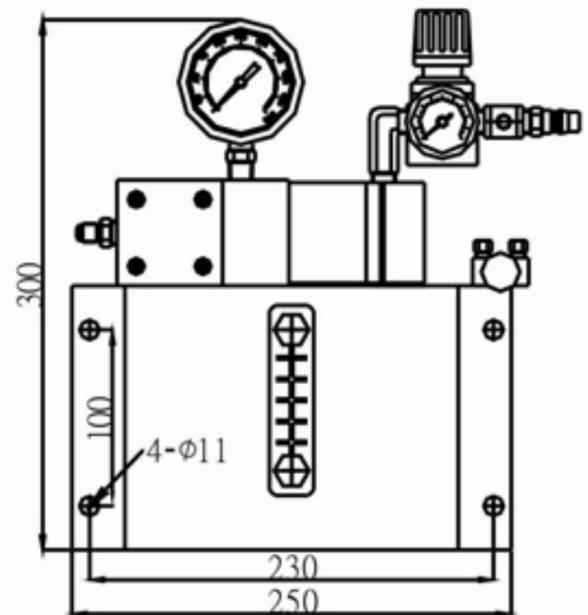
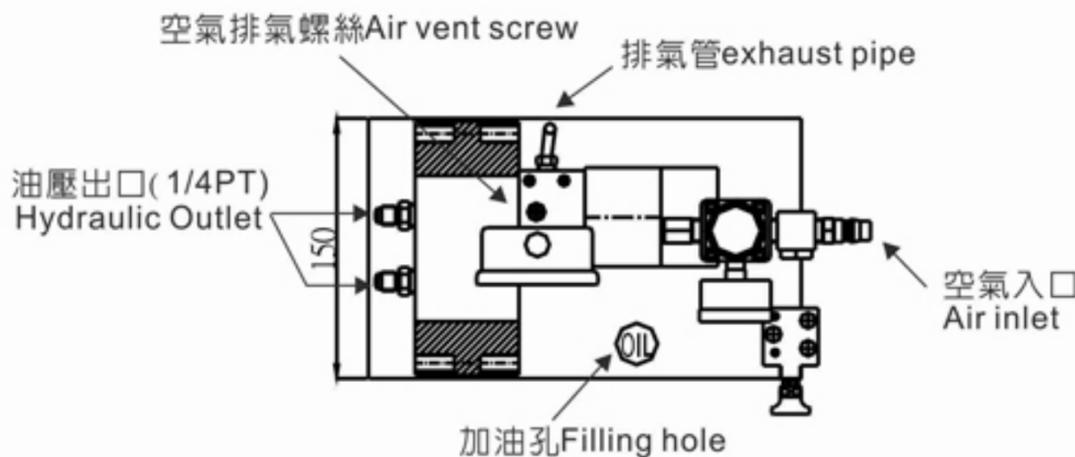
空壓接頭 Air connector

油壓接頭 Hydraulic connector

單動缸使用方式示意圖

Operation drawing for single-acting cylinder

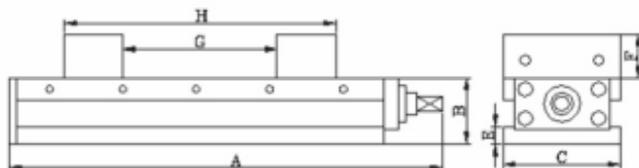
注意油壓出口沒有出油，請將空氣排氣螺絲，轉鬆半圈直到排氣管出油，然後鎖緊
If no oil flows out of the outlet, please unscrew the air vent screw loosely in half circle until the oil flows through the exhaust pipe, and then screw the air vent screw again.



型式 Type	JPB-5	JPB-10	JPB-20
增壓比 pressure Ratio	5:1	10:1	20:1
油壓壓力 oil pressure (kgf/cm ²)	25	50	100
流量 Flow (cc/min)	2600	2100	1600

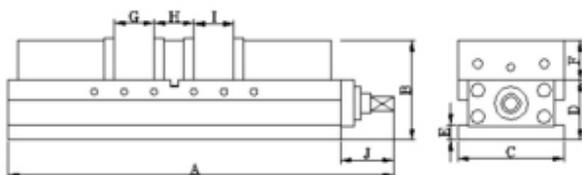
油壓壓力以氣壓源 5kgf/cm² 所計算值
The tabulated oil pressure is calculated with 5kgf/cm² air pressure.

MC 雙夾球心 MC DOUBLE-CLAMPING PRECISION VISE



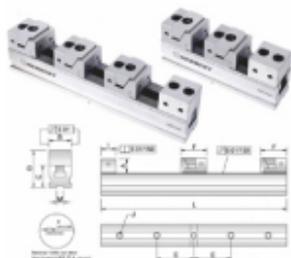
型號 MODEL	A	B	C	D	E	F	G	H	N.W.
V3C-100	410	135	100	95	23	40	60-170	220-305	30KG
V3C-130	510	150	130	100	23	50	60-250	220-405	40KG
V3C-160	590	165	160	110	23	55	60-320	230-485	60KG
V3C-200	665	180	200	120	23	60	60-365	260-560	100KG

MC雙夾虎鉗 MC 2IN1 DOUBLE LOCK & ANGLock MACHING VISE



型號 MODEL	A	B	C	D	E	F	G	H	I	J	WEIGHT
MLD-100A	470	105	100	65	23	40	55	60	55	70	25KG
MLD-160A	580	145	160	90	23	60	75	66	75	80	50KG

HMG超精密多夾式虎鉗 HMG Multigrip Vise



MODEL	A	B	C	G.W.
HMG-60A	40	60	70	1.4kg
HMG-90A	45	90	80	2.9kg

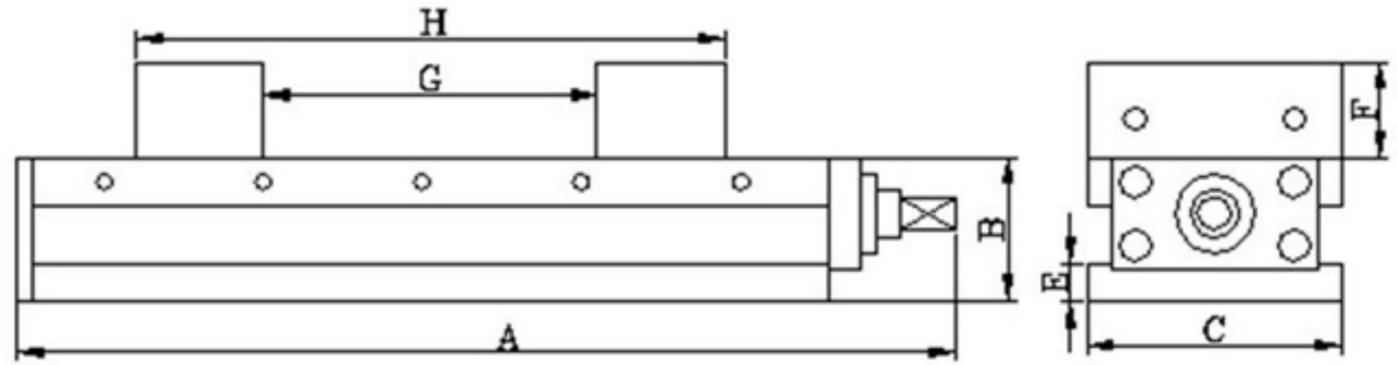


MODEL	A	B	C	G.W.
HMG-60B	40	60	60	1.4kg
HMG-90B	45	90	70	2.9kg

MODEL	A	B	C	E	F	I	J	L	M	O	G.W.
HMG-6025	40	60	60	100	70	60	M12	250	18	100	6.5kg
HMG-6040	40	60	60	100	70	60	M12	400	18	100	9.5kg
HMG-6050	40	60	60	100	70	60	M12	500	18	100	11.5kg
HMG-6063	40	60	60	100	70	60	M12	630	18	100	13.5kg

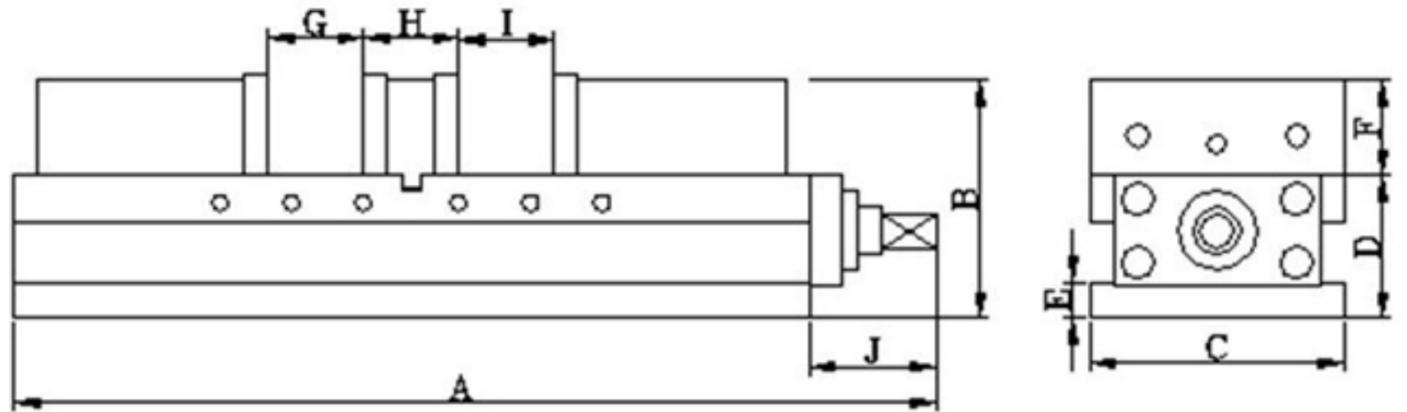
MODEL	A	B	C	E	F	I	J	L	M	O	G.W.
HMG-9025	45	90	70	100	80	70	M16	250	18	115	11kg
HMG-9040	45	90	70	100	80	70	M16	400	18	115	16kg
HMG-9050	45	90	70	100	80	70	M16	500	18	115	19.5kg
HMG-9063	45	90	70	100	80	70	M16	630	18	115	23.5kg

MC雙夾球心 MC DOUBLE-CLAMPING PRECISION VISE



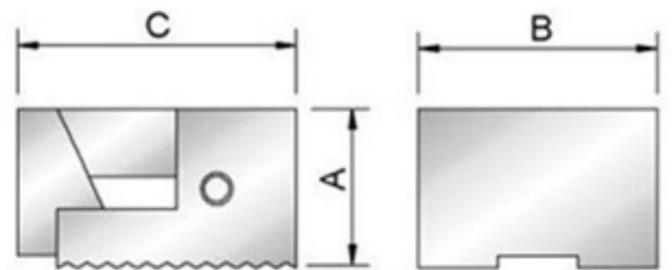
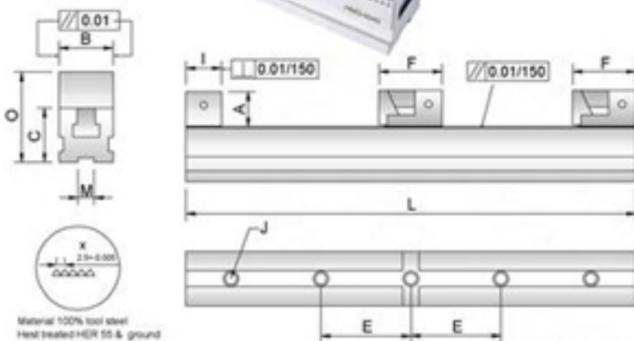
型號 MODEL	A	B	C	D	E	F	G	H	N.W.
VSC-100	410	135	100	95	23	40	60-170	220-305	30KG
VSC-130	510	150	130	100	23	50	60-250	220-405	40KG
VSC-160	590	165	160	110	23	55	60-320	230-485	60KG
VSC-200	665	180	200	120	23	60	60-365	260-560	100KG

MC雙夾虎鉗 MC 2IN1 DOUBLE LOCK & ANGLock MACHING VISE

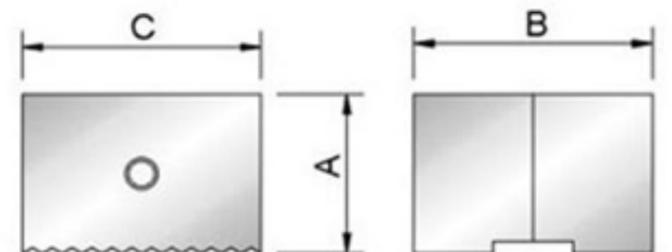


型號 MODEL	A	B	C	D	E	F	G	H	I	J	WEIGHT
MLD-100A	470	105	100	65	23	40	55	60	55	70	25KG
MLD-160A	580	145	160	90	23	60	75	66	75	80	50KG

HMG超精密多夾式虎鉗 HMG Multigrip Vise



MODEL	A	B	C	G.W.
HMG-60A	40	60	70	1.4kg
HMG-90A	45	90	80	2.9kg

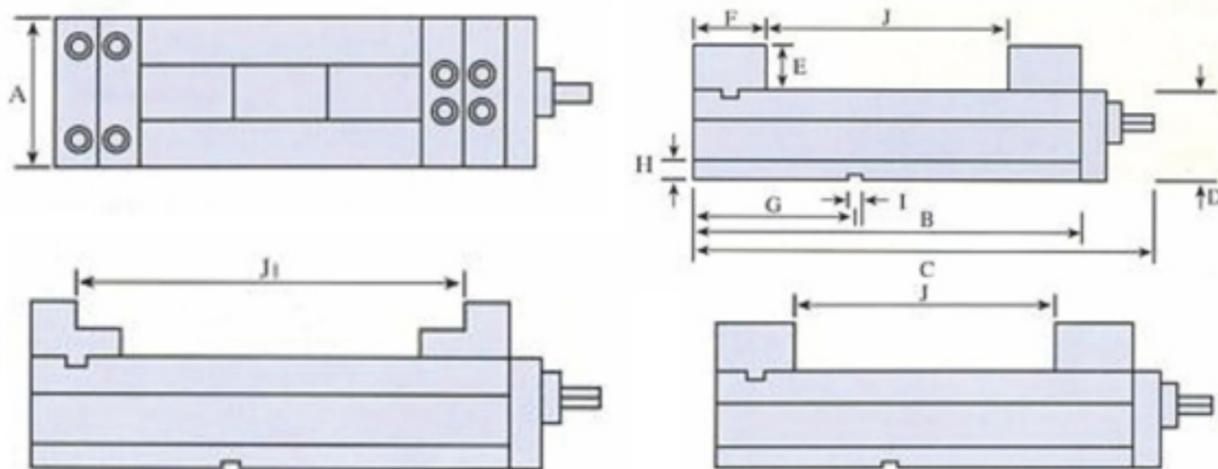


MODEL	A	B	C	G.W.
HMG-60B	40	60	60	1.4kg
HMG-90B	45	90	70	2.9kg

MODEL	A	B	C	E	F	I	J	L	M	O	G.W.
HMG-6025	40	60	60	100	70	60	M12	250	18	100	6.5kg
HMG-6040	40	60	60	100	70	60	M12	400	18	100	9.5kg
HMG-6050	40	60	60	100	70	60	M12	500	18	100	11.5kg
HMG-6063	40	60	60	100	70	60	M12	630	18	100	13.5kg

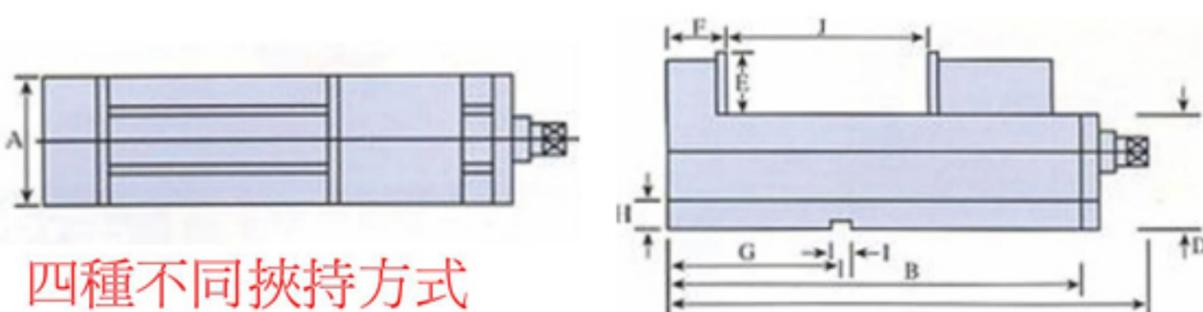
MODEL	A	B	C	E	F	I	J	L	M	O	G.W.
HMG-9025	45	90	70	100	80	70	M16	250	18	115	11kg
HMG-9040	45	90	70	100	80	70	M16	400	18	115	16kg
HMG-9050	45	90	70	100	80	70	M16	500	18	115	19.5kg
HMG-9063	45	90	70	100	80	70	M16	630	18	115	23.5kg

MC角固式/倍力定壓式精密虎鉗 SUPER OPEN TYPE VISE

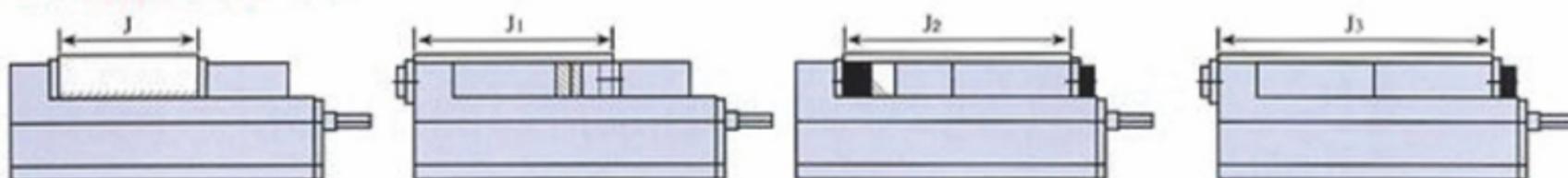


型號	A	B	C	D	E	F	G	H	I	J	J ₁	NW	GW	夾持力
VSP-100	100	310	425	95	45	70	110	23	18	150	200	27kg	30kg	4000kgf
VSP-130	130	410	525	100	50	75	135	23	18	240	315	45kg	48kg	4000kgf
VSP-160	160	490	605	110	55	85	200	23	18	300	385	60kg	62kg	5000kgf
VSP-200	200	565	680	120	60	100	220	23	18	350	450	100kg	105kg	5000kgf

MC內藏角固增壓虎鉗 MC Precision Hydraulic Angle Fixed Vice

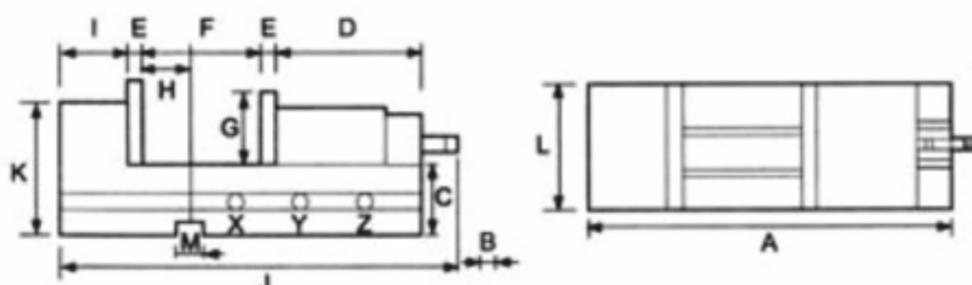
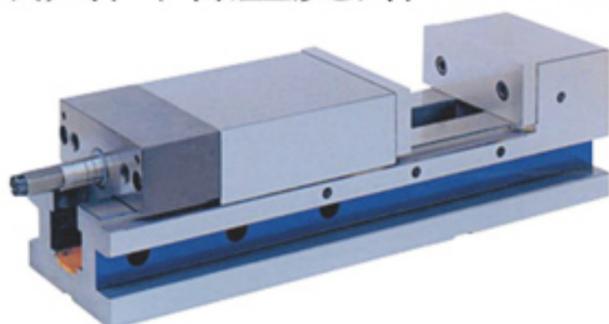


四種不同挾持方式



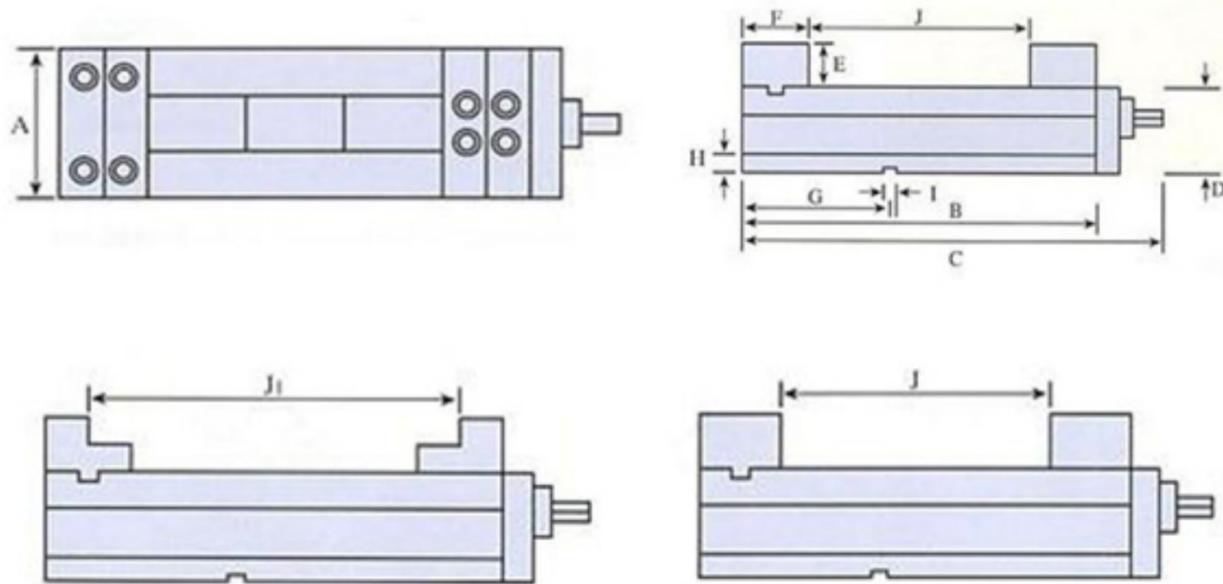
型號	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	NW	GW	夾持力
MPV-100A	100	400	530	85	45	80	110	23	18	200	230	260	340	32kg	35kg	4000kgf
MPV-130A	130	450	580	95	50	85	135	23	18	240	285	320	405	45kg	48kg	4500kgf
MPV-160A	160	550	680	100	60	103	200	23	18	300	380	400	500	63kg	66kg	5000kgf
MPV-200A	200	600	730	110	60	108	220	23	18	340	438	470	578	92kg	104kg	5500kgf

MC內藏角固增壓虎鉗 MC Precision Hydraulic Angle Fixed Vice



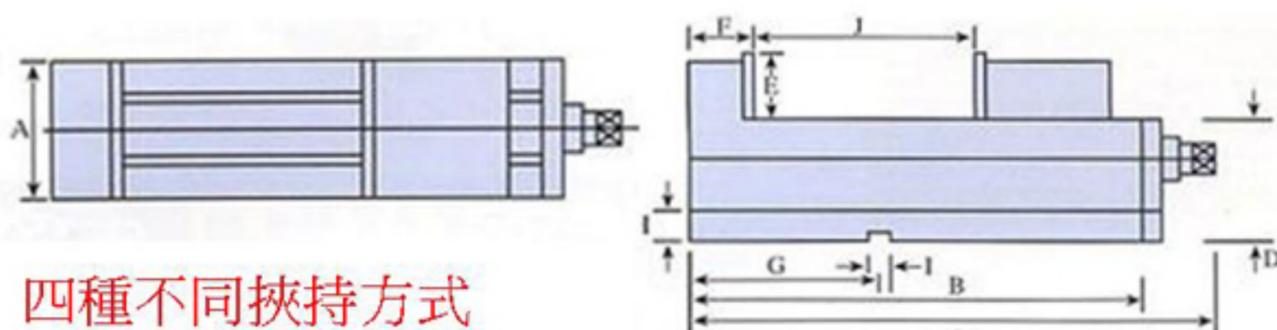
型號	A	B	C	D	E	F			G	H	I	J	K	L	M	NW	GW	夾持力
						X	Y	Z										
HAC-100	385	14	58	179	12.5	0.85	85-170		42	45	64.5	440	98	105	18	22kg	23kg	2500kg
HAC-150	505	19	85	250	15.5	0.90	90-180	180-270	57	65	84.5	698	140	152	18	50kg	51kg	5000kg
HAC-200	579	19	102	252	18.5	0.98	97-198	197-300	62	82	89.5	760	162	200	18	80kg	86kg	7000kg

MC角固式/倍力定壓式精密虎鉗 SUPER OPEN TYPE VISE

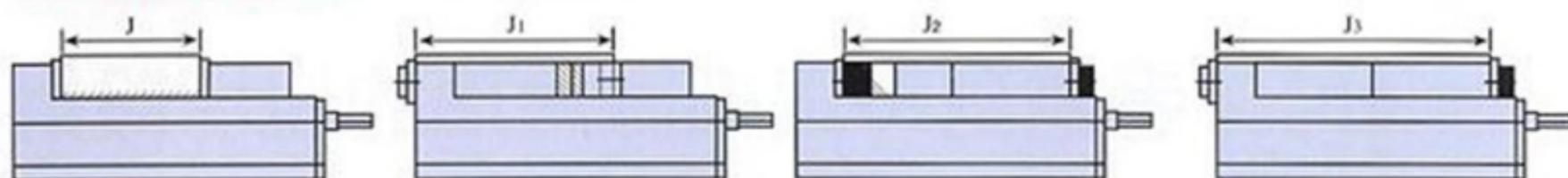


型號	A	B	C	D	E	F	G	H	I	J	J ₁	NW	GW	夾持力
VSP-100	100	310	425	95	45	70	110	23	18	150	200	27kg	30kg	4000kgf
VSP-130	130	410	525	100	50	75	135	23	18	240	315	45kg	48kg	4000kgf
VSP-160	160	490	605	110	55	85	200	23	18	300	385	60kg	62kg	5000kgf
VSP-200	200	565	680	120	60	100	220	23	18	350	450	100kg	105kg	5000kgf

MC超精密倍力虎鉗 MC UNIVERSAL POWERFUL-TYPE PRECISION

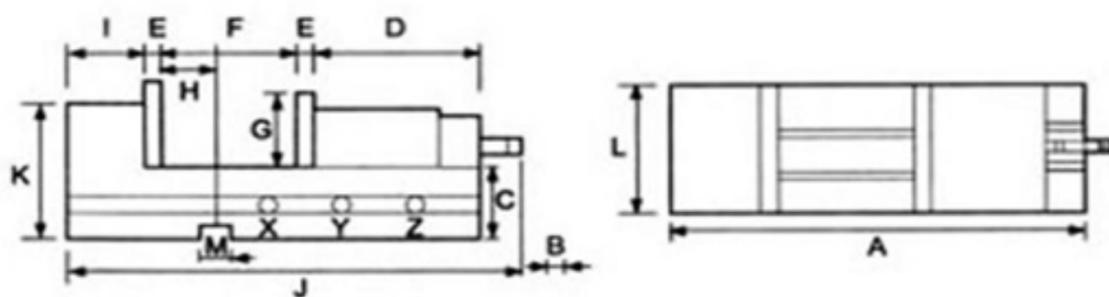
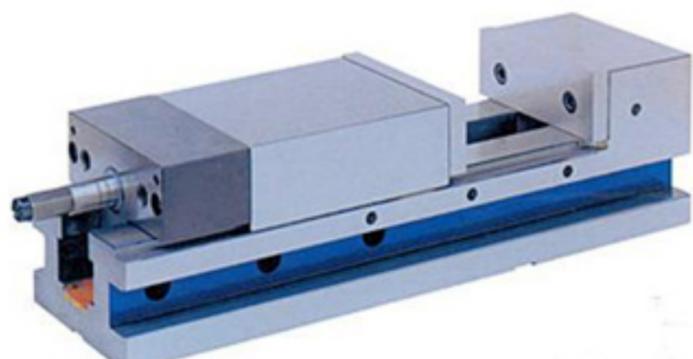


四種不同挾持方式



型號	A	B	C	D	E	F	G	H	I	J	J ₁	J ₂	J ₃	NW	GW	夾持力
MPV-100A	100	400	530	85	45	80	110	23	18	200	230	260	340	32kg	35kg	4000kgf
MPV-130A	130	450	580	95	50	85	135	23	18	240	285	320	405	45kg	48kg	4500kgf
MPV-160A	160	550	680	100	60	103	200	23	18	300	380	400	500	63kg	66kg	5000kgf
MPV-200A	200	600	730	110	60	108	220	23	18	340	438	470	578	92kg	104kg	5500kgf

MC內藏角固增壓虎鉗 MC Precision Hydraulic Angle Fixed Vise

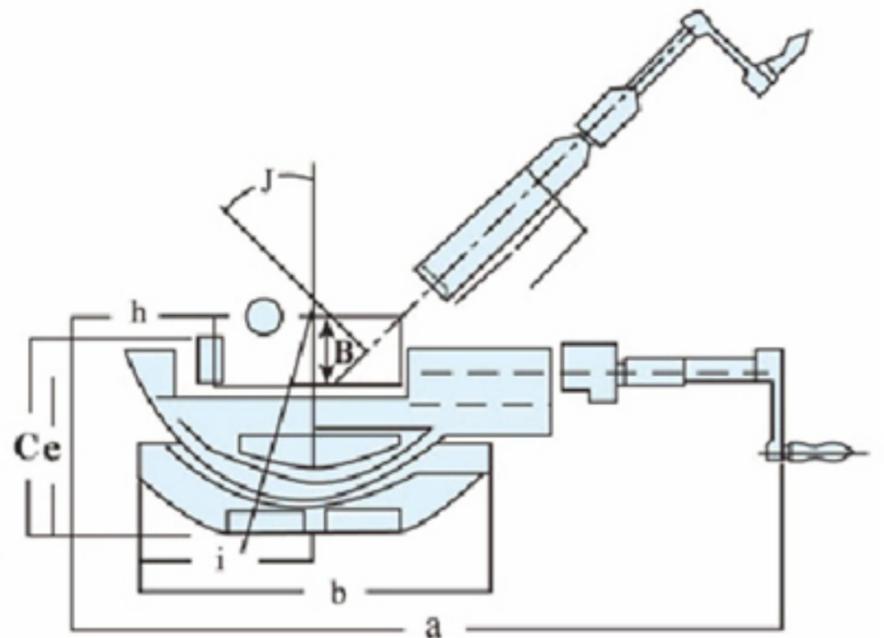
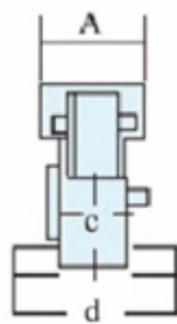


型號	A	B	C	D	E	F			G	H	I	J	K	L	M	NW	GW	夾持力
						X	Y	Z										
HAC-100	385	14	58	179	12.5	0.85	85-170		42	45	64.5	440	98	105	18	22kg	23kg	2500kgf
HAC-150	505	19	85	250	15.5	0.90	90-180	180-270	57	65	84.5	698	140	152	18	50kg	51kg	5000kgf
HAC-200	579	19	102	252	18.5	0.98	97-198	197-300	62	82	89.5	760	162	200	18	80kg	86kg	7000kgf

傾斜式油壓虎鉗 Tilting Hydraulic Vise

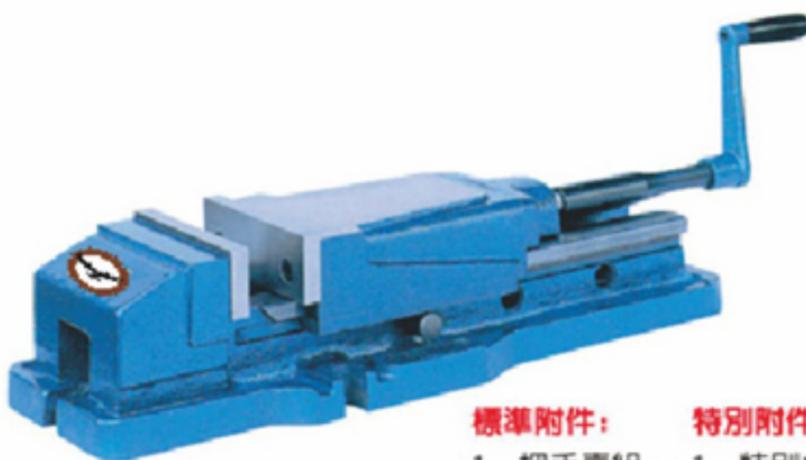


- 標準附件:**
1. 把手壹組
 2. 延長桿
- 特別附件:**
1. 特別虎口
 2. 虎鉗定位器
 3. 迴轉盤

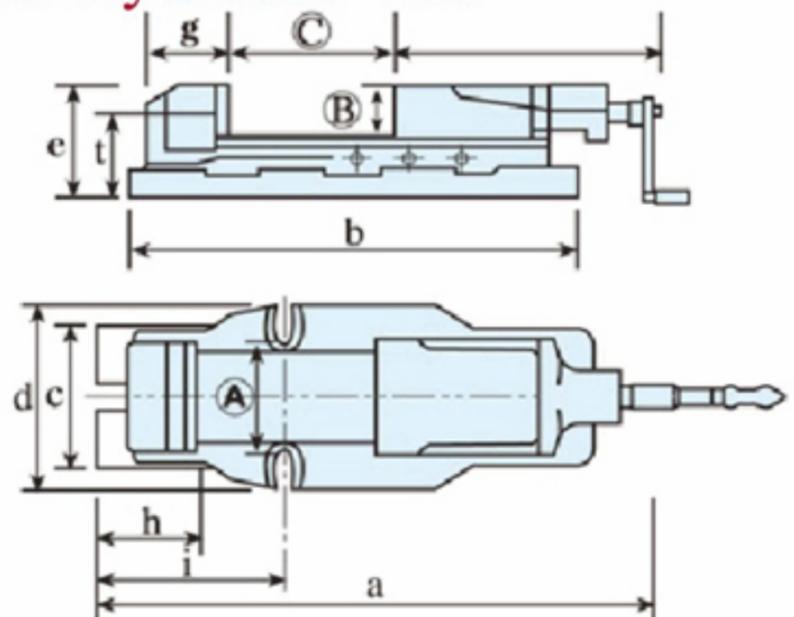


型號	A	B	C	a	b	c	d	e	h	i	J	本體重	盤重	夾持力
HW-100	100	36	170	525	330	65	162	177	90	172	50	24kg	6kg	2540kgf
HW-150	154	53	300	801	415	95	242	237	121	241	50	68kg	14kg	4400kgf

平面油壓虎鉗 Horizontal Hydraulic Vise

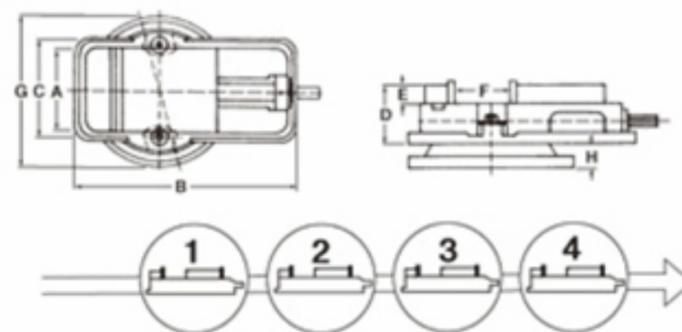


- 標準附件:**
1. 把手壹組
 2. 延長桿
- 特別附件:**
1. 特別虎口
 2. 虎鉗定位器
 3. 迴轉盤



型號	Ⓐ	Ⓑ	Ⓒ	a	b	c	d	e	f	g	h	i	夾持能力	本體重	盤重
HHT-100	100	36	170	525	430	130	160	94	60	78	100	155	2500kg	16kg	6kg
HHT-125	125	46	220	670	540	165	185	118	72	97	117	185	3500kg	32kg	10kg
HHT-150	150	51	300	800	620	200	240	133	82	116	125	247	4400kg	54kg	16kg
HHT-200	200	62	300	900	700	240	280	162	100	160	165	266	6600kg	95kg	30kg

精密角固鎖式虎鉗 Precision Angle Lock Vise



Unit:m/m

MODEL	A	B	C	D	E	F	G	H
HAV-4°	102	325	180	90	30	110	235	32
HAV-6°	150	420	240	117	44	150	300	42
HAV-8°	204	545	300	152	65	200	375	45

傾斜式油壓虎鉗 Tilting Hydraulic Vise

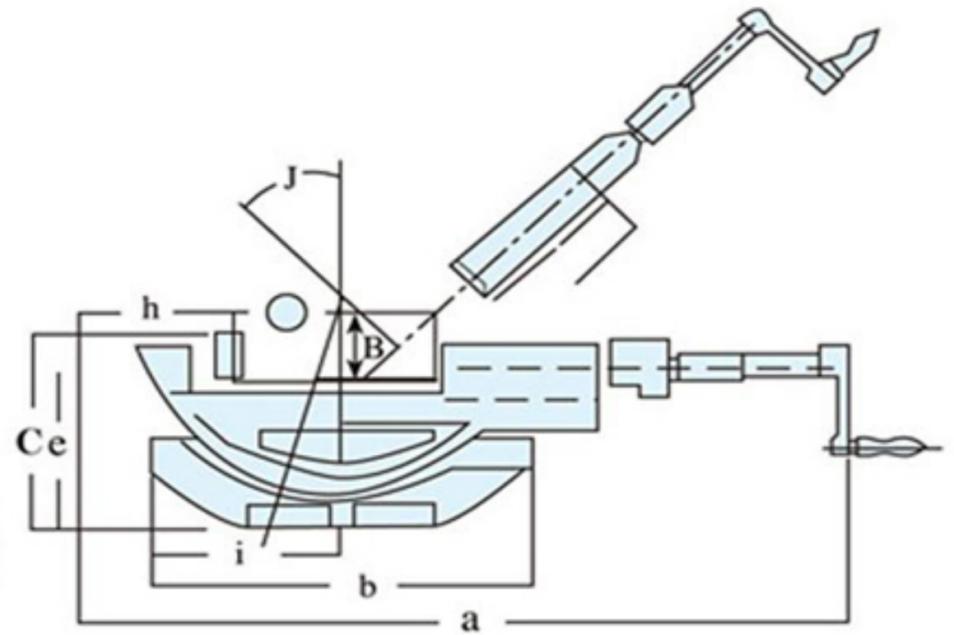
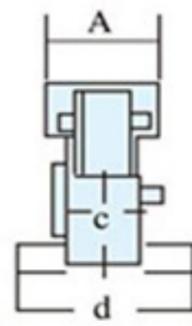


標準附件:

1. 把手壹組
2. 延長桿

特別附件:

1. 特別虎口
2. 虎鉗定位器
3. 迴轉盤



型號	A	B	C	a	b	c	d	e	h	i	J	本體重	盤重	夾持力
HW-100	100	36	170	525	330	65	162	177	90	172	50	24kg	6kg	2540kgf
HW-150	154	53	300	801	415	95	242	237	121	241	50	68kg	14kg	4400kgf

平面油壓虎鉗 Horizontal Hydraulic Vise

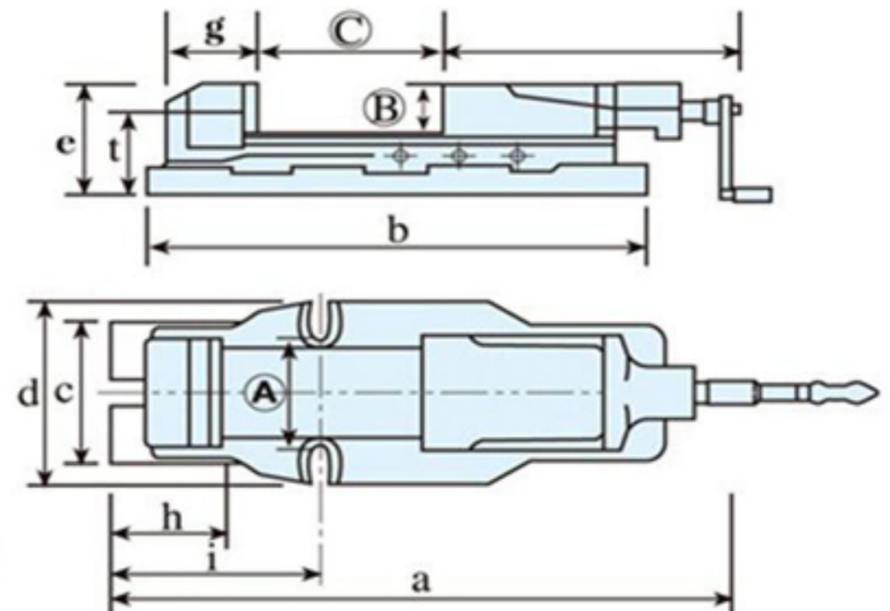


標準附件:

1. 把手壹組
2. 延長桿

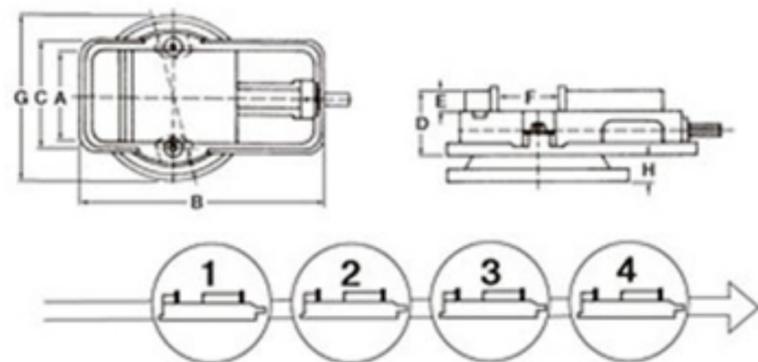
特別附件:

1. 特別虎口
2. 虎鉗定位器
3. 迴轉盤



型號	Ⓐ	Ⓑ	Ⓒ	a	b	c	d	e	f	g	h	i	夾持能力	本體重	盤重
HHT-100	100	36	170	525	430	130	160	94	60	78	100	155	2500kg	16kg	6kg
HHT-125	125	46	220	670	540	165	185	118	72	97	117	185	3500kg	32kg	10kg
HHT-150	150	51	300	800	620	200	240	133	82	116	125	247	4400kg	54kg	16kg
HHT-200	200	62	300	900	700	240	280	162	100	160	165	266	6600kg	95kg	30kg

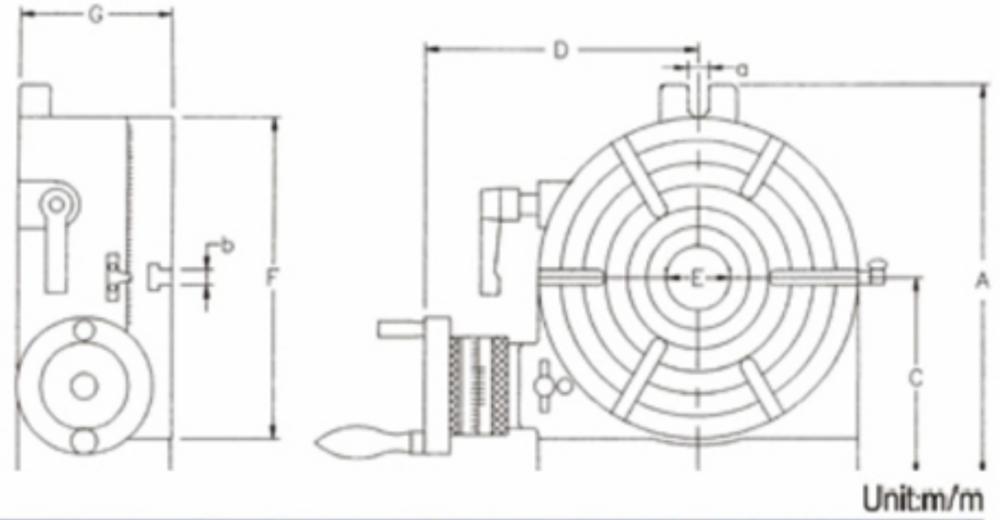
精密角固鎖式虎鉗 Precision Angle Lock Vise



Unit:m/m

MODEL	A	B	C	D	E	F	G	H
HAV-4°	102	325	180	90	30	110	235	32
HAV-6°	150	420	240	117	44	150	300	42
HAV-8°	204	545	300	152	65	200	375	45

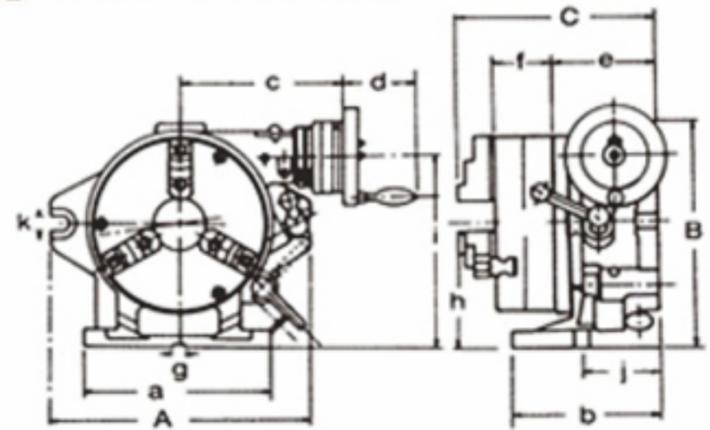
強力型分度盤 Heavy-Duty Index Plate



Unit:m/m

型號 MODEL	A	B	C	D	E	F	G	a	b	重量W.G.
HV-200	280	200	150	215	50(MT4)	200	120	16	12	33kg
HV-250	310	250	155	217	50(MT4)	250	120	16	12	43kg
HV-300	365	300	180	252	50(MT4)	300	120	16	15	57kg

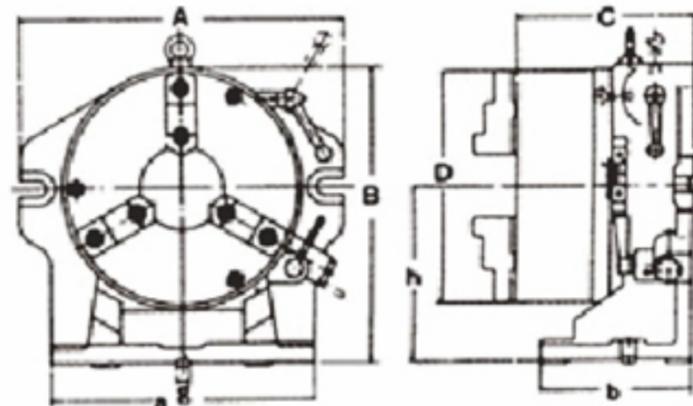
強力型快速分度盤 Heavy-Duty Speed Index Plate



Unit:m/m

型號 MODEL	直接分割等分 Direct indexing	三爪能量 Three-Jaw capacity				面板 Face plate									
		盤外徑 Outside diameter of tray	內爪 Inside clamp	外爪 Outside clamp	中心孔徑 Diameter of central hole	外徑 Outside diameter	厚度 Thickness								
CS-6°	2.3.4.6.8.12.24	167	4-62	10-156	44	203	50								
CS-8°	2.3.4.6.8.12.24	210	4-62	10-180	63	254	58								
MODEL	A	B	C	a	b	c	d	e	f	g	h	i	j	k	重量 N.W.
CS-6°	250	235	221	220	150	184	82	112	66	16	130	186	80	18	48kg
CS-8°	315	292	234	225	160	195	100	125	75	16	157	241	90	18	70kg

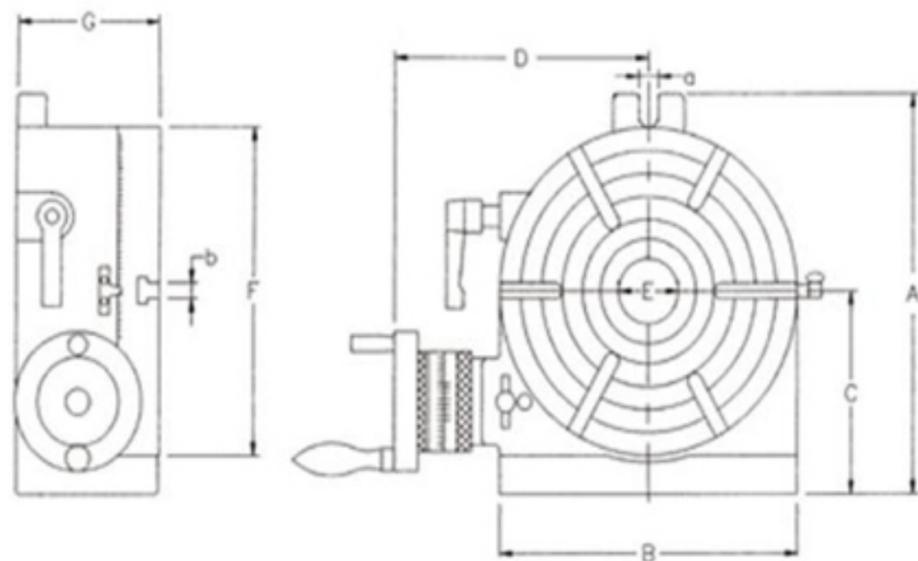
簡易型快速分度盤 Simple Speed Index Plate



Unit:m/m

型號 MODEL	直接分割等分 Direct indexing	A	B	C	D	a	b	h	三爪 Three-Jaw	鍵寬 Width of key(s)	外爪 Outside Jaw	三爪內孔 Three-Jaw inside hole	轉塔內孔 Inside hole of rotary tower	重量 N.W.(kg)
CC-6°	2.3.4.6.8.12.24	260	218	156	167	220	130	130	4-62	16	10-156	43	36	32.5
CC-8°	2.3.4.6.8.12.24	318	265	177	210	228	140	150	4-62	16	10-180	63	63	70

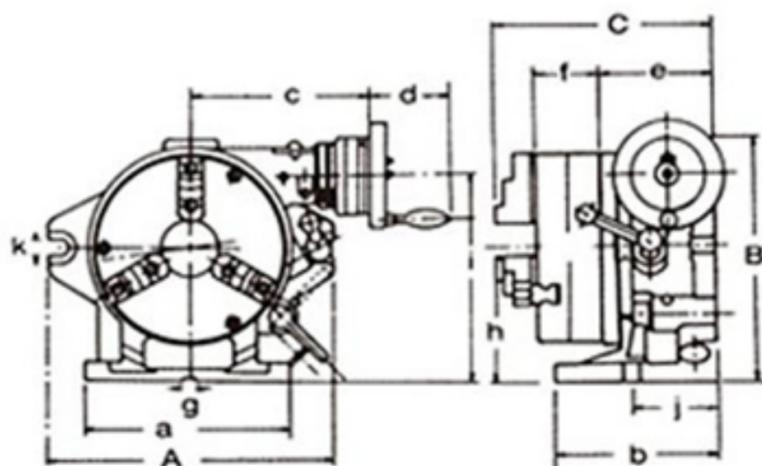
強力型分度盤 Heavy-Duty Index Plate



Unit:m/m

型號 MODEL	A	B	C	D	E	F	G	a	b	重量W.G.
HV-200	280	200	150	215	50(MT4)	200	120	16	12	33kg
HV-250	310	250	155	217	50(MT4)	250	120	16	12	43kg
HV-300	365	300	180	252	50(MT4)	300	120	16	15	57kg

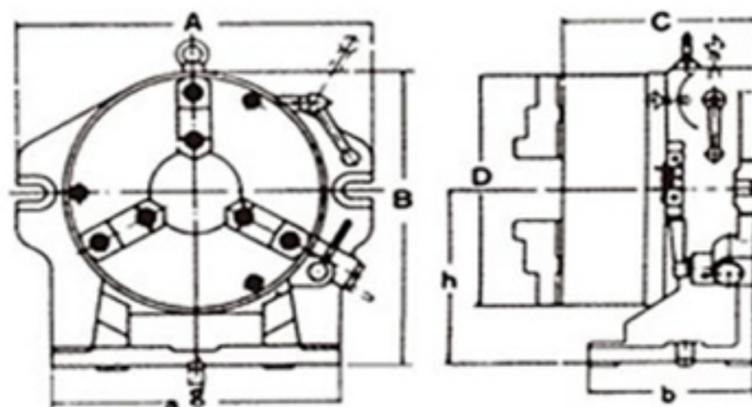
強立型快速分度盤 Heavy-Duty Speed Index Plate



Unit:m/m

型號 MODEL	直接分割等分 Direct indexing	三爪能量 Three-Jaw capacity				面板 Face plate									
		盤外徑 Outside diameter of tray	內爪 Inside clamp	外爪 Outside clamp	中心孔徑 Diameter of central hole	外徑 Outside diameter	厚度 Thickness								
CS-6°	2.3.4.6.8.12.24	167	4-62	10-156	44	203	50								
CS-8°	2.3.4.6.8.12.24	210	4-62	10-180	63	254	58								
MODEL	A	B	C	a	b	c	d	e	f	g	h	i	j	k	重量 N.W.
CS-6°	250	235	221	220	150	184	82	112	66	16	130	186	80	18	48kg
CS-8°	315	292	234	225	160	195	100	125	75	16	157	241	90	18	70kg

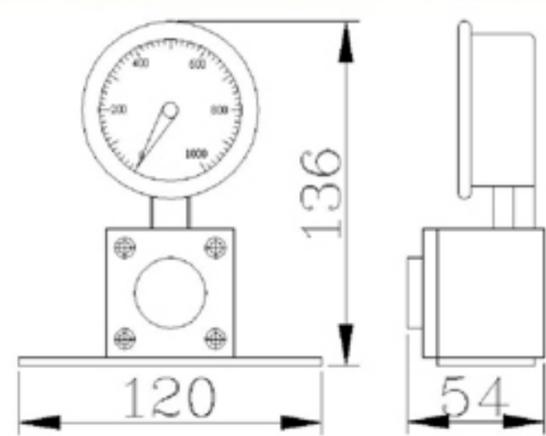
簡易型快速分度盤 Simple Speed Index Plate



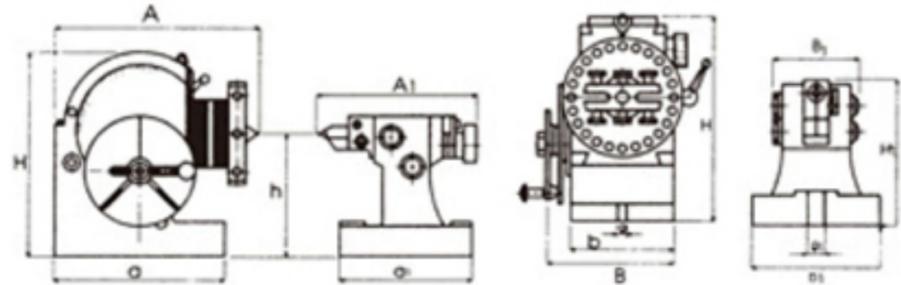
Unit:m/m

型號 MODEL	直接分割等分 Direct indexing	A	B	C	D	a	b	h	三爪 Three-Jaw	鍵寬 Width of key(s)	外爪 Outside Jaw	三爪內孔 Three-Jaw inside hole	轉塔內孔 Inside hole of rotary tower	重量 N.W.(kg)
CC-6°	2.3.4.6.8.12.24	260	218	156	167	220	130	130	4-62	16	10-156	43	36	32.5
CC-8°	2.3.4.6.8.12.24	318	265	177	210	228	140	150	4-62	16	10-180	63	63	70

壓力測試錶 Stress test table



分度頭 Index Head



Unit:mm

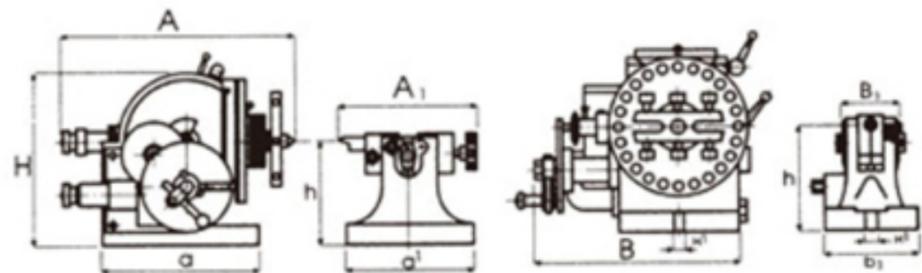
型號 MODEL	A	B	H1	h	a	b	g	中心孔 Taper of center	軸孔徑 Dia. of spindle hole	重量 N.W.
BS-0	196	133	173	100	160	91	16	25	16	22
BS-1	253	163	220	126	207	114	16	25	20	36

OPTIONAL ACCESSORY:

- 3-jaw chuck: 4" or 5"3-jaw Chuck for BS-0, 5" or 6"3-jaw Chuck for BS-1

型號 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

分度頭 Index Head



Unit:mm

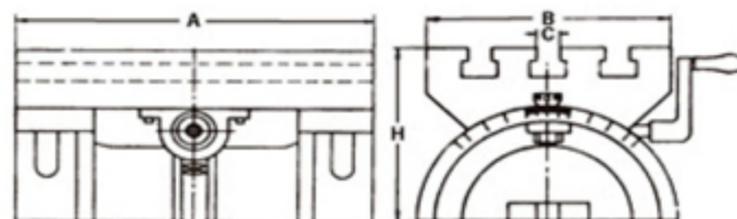
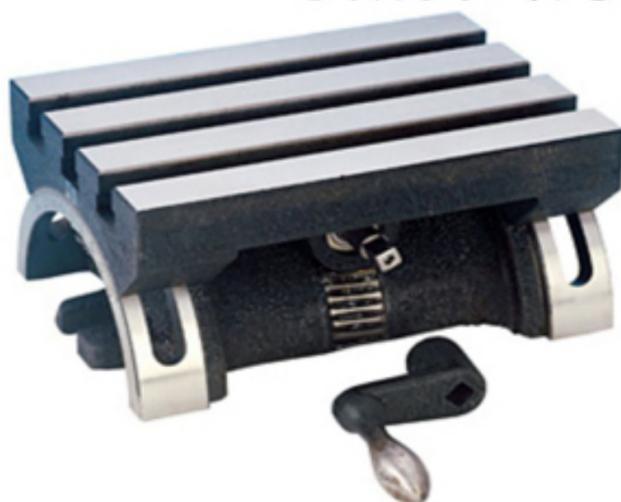
型號 MODEL	A	B	H1	h	a	b	g	中心孔 Taper of center	軸孔徑 Dia. of spindle hole	重量 N.W.
BS-2	365	272	236	135	213	134	16	25	25.4	73

OPTIONAL ACCESSORY:

- 3-jaw chuck: 6" or 7"3-jaw Chuck for BS-2

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

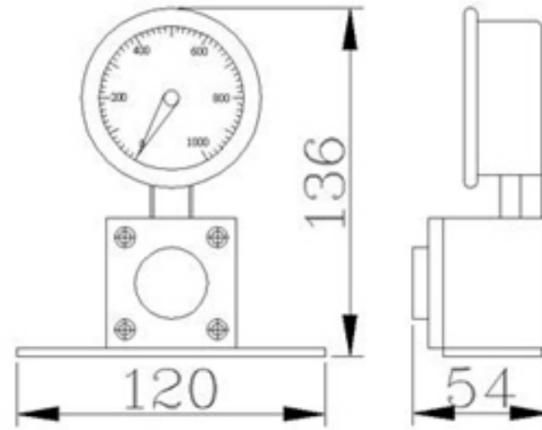
可傾斜式角度盤 Tilting Angular Table



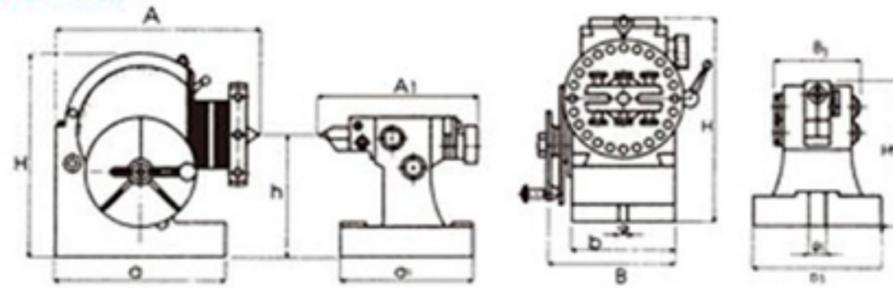
Unit:m/m

MODEL	A	B	C	H	N.W.
HAP-250	260	182	16	139	22kgs
HAP-380	386	266	16	189	62kgs
HAP-600	600	305	16	215	128kgs

壓力測試錶 Stress test table



分度頭 Index Head



Unit:mm

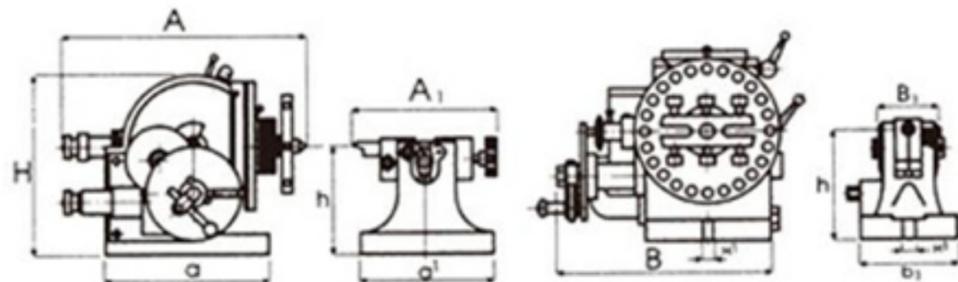
型號 MODEL	A	B	H1	h	a	b	g	中心孔 Taper of center	軸孔徑 Dia. of spindle hole	重量 N.W.
BS-0	196	133	173	100	160	91	16	25	16	22
BS-1	253	163	220	126	207	114	16	25	20	36

OPTIONAL ACCESSORY:

- 3-jaw chuck: 4" or 5"3-jaw Chuck for BS-0, 5" or 6"3-jaw Chuck for BS-1

型號 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

分度頭 Index Head



Unit:mm

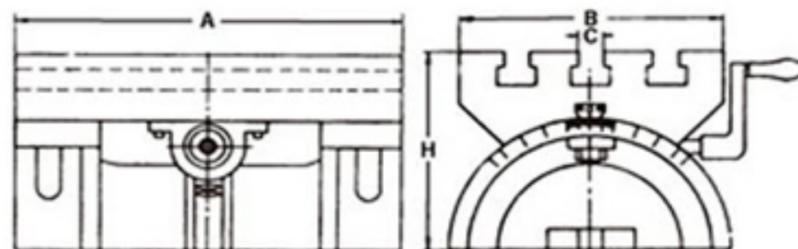
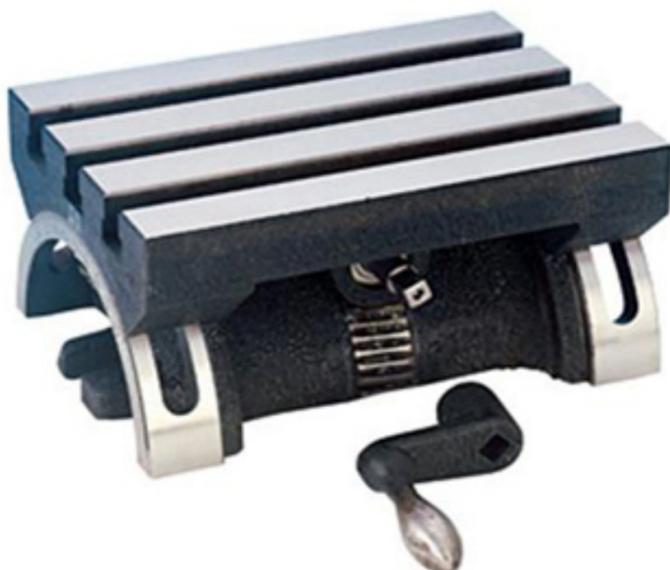
型號 MODEL	A	B	H1	h	a	b	g	中心孔 Taper of center	軸孔徑 Dia. of spindle hole	重量 N.W.
BS-2	365	272	236	135	213	134	16	25	25.4	73

OPTIONAL ACCESSORY:

- 3-jaw chuck: 6" or 7"3-jaw Chuck for BS-2

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

可傾斜式角度盤 Tilting Angular Table



Unit:m/m

MODEL	A	B	C	H	N.W.
HAP-250	260	182	16	139	22kgs
HAP-380	386	266	16	189	62kgs
HAP-600	600	305	16	215	128kgs