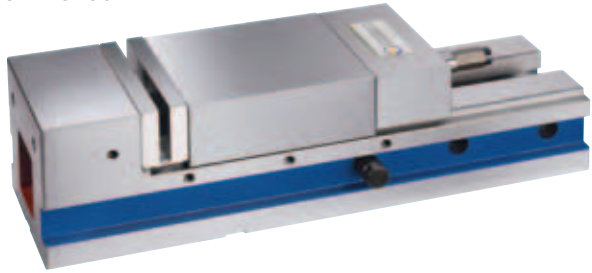


MC 內藏式增壓角固虎鉗
MC HYDRAULIC ANGLE LOCK VISE (BUILT-IN TYPE)

MODEL：MHA-100、MHA-150、MHA-150A、MHA-200
本增壓系統保固一年

★PATENT：152071
ZL 98 2 49250.2



★虎鉗可側立使用
VISE CAN SIDE-LOCK TO WORK.



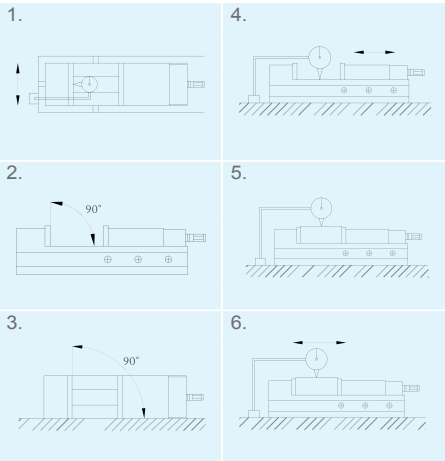
角固式配合"半圓球體"下鎖之力，
可防止工件上浮。
Down thrust with "semi-sphere"
to prevent work-piece lift.

FEATURES：

- 特點：
- 1.虎鉗本台採用球狀石墨化鑄鐵FCD60材質。
 - 2.角固式配合"半圓球體"下鎖之力，可防止工件上浮。
 - 3.虎鉗可以側立使用。(側立垂直90° 公差=0.015/100mm)
 - 4.虎鉗滑動面均經硬化熱處理 HRC45°，堅固耐用、確保精度。
 - 5.虎鉗的滑動上蓋座可取出，方便清除虎鉗內部之鐵屑。
 - 6.虎鉗本體的高度與導正鍵槽皆做定寸管制，可以2、3、4台一起使用。

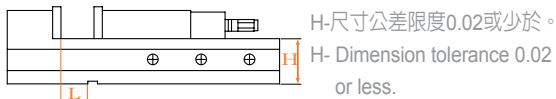
- 1.Vise body is made of ductile iron FCD 60.
- 2.Down thrust with "semi-sphere" to prevent work-piece lift.
- 3.Vise can side-lock to work. (Perpendicular of side lock 90°=0.015/100mm)
- 4.Vise bed hardened to HRC 45° and maintain accuracy for long.
- 5.Vise slide-chunk can take out, Convenient to clean away chips and inside of vise.
- 6.Vise bed height-size and guide block side are all made with full control, can 2,3,or 4 vises to perform a job at a time.

NO.	檢查項目 Inspection Item (100mm)	容許值 Allowance	
		JIN YEAR	JIS CLASS
1	鉗口面對本台底面導正鍵槽之平行度 Parallelism of guide block side of body bottom face and fixed jaw clamp face.	0.01	0.015
2	鉗口面對滑動面之垂直度 Squareness of fixed jaw clamp face and jaw slideway.	0.015	0.03
3	雙側面對滑動面之垂直度 Vise side-lock on bottom with the slide way in vertical.	0.02	0.02
4	本台滑動面對底面之平行度 Parallelism of body bottom face and jaw slideway.	0.01	0.015
5	工件夾緊後之上浮量 Top face lift of test block in clamping.	0.02	0.03
6	工件夾緊後之平行度 Parallelism of top face of clamped test block in clamping.	0.015	0.02

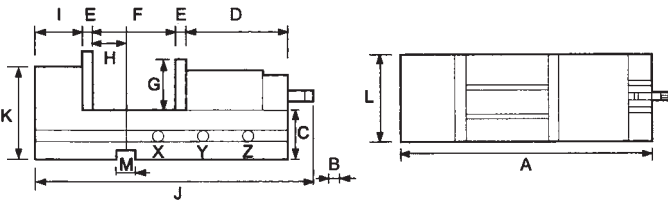


★每台虎鉗的高度與導正鍵槽皆做定寸管制。
The height and the guide block side of every vise are all made with full control.

L-尺寸公差限度0.02或少於
L- Dimension tolerance 0.02 or less.



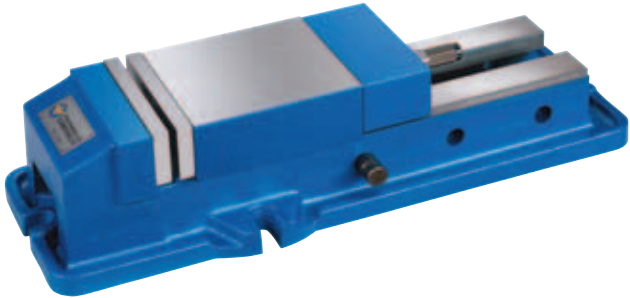
H-尺寸公差限度0.02或少於。
H- Dimension tolerance 0.02 or less.



MODEL	A	B	C	D	E	夾持範圍 Clamping range F			G	H	I	J	K	L	M	f	夾持力 (kgf)	重量 (kg)
						X	Y	Z										
MHA-100	404	14	62	208	12.5	0-85	85-170		42	45	64.5	450 540	102	105	16	50	2500	22
MHA-150	507	19	85	243	15.5	0-90	90-180	180-270	57	65	84.5	620 710	140	152	18	90	5000	50
MHA-150A	537	19	85	243	15.5	0-100	100-200	200-300	57	65	84.5	650 740	140	152	18	90	5000	52
MHA-200	606	19	95	257	18.5	0-100	100-200	200-300	62	82	89.5	655 755	162	200	18	150	7000	80

內藏式增壓角固虎鉗
HYDRAULIC ANGLE LOCK VISE (BUILT-IN TYPE)

MODEL：HA-150、HA-200



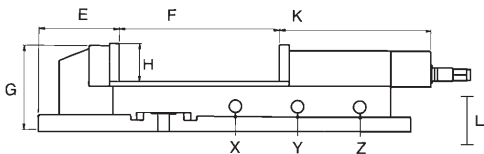
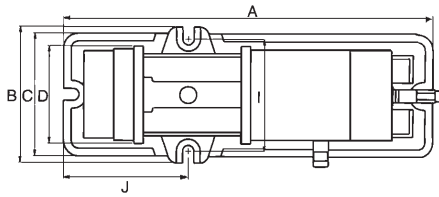
角固式配合"半圓球體"下鎖之力，
可防止工件上浮。
Down thrust with "semi-sphere"
to prevent work-piece lift.

FEATURES：

- 特點：
- 1.角固式配合"半圓球體"下鎖之力，可防止工件上浮。
 - 2.虎角本台採用FC30鑄鐵材質。
 - 3.虎鉗的滑動上蓋座可取出，方便清除虎鉗內部之鐵屑。

- 1.Down thrust with "semi-sphere" to prevent work-piece lift.
- 2.Vise body is made of ductile iron FC 30.
- 3.Vise slide-chunk can take out, Convenient to clean away chips and inside of vise.

NO.	檢查項目 Inspection Item (100mm)	容許值 Allowance		1.	3.
		JIN YEAR	JIS CLASS		
1	鉗口面對本台底面導正鍵槽之平行度 Parallelism of guide block side of body bottom face and fixed jaw clamp face.	0.01	0.015		
2	鉗口面對滑動面之垂直度 Squareness of fixed jaw clamp face and jaw slideway.	0.02	0.03		
3	兩邊鉗口之平行度 Both jaw plate parallelism.	0.015	0.02		
4	本台滑動面對底面之平行度 Parallelism of body bottom face and jaw slideway.	0.01	0.015		



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	X	Y	Z	PRESSURE	N.W.
HA-150	618	226	204	150	134	0-300	140	57	186	209	252	83	0-100	100-200	200-300	4500kgf	55kg
HA-200	695	278	230	200	148	0-300	157	64	237	260	270	102	0-100	100-200	200-300	8000kgf	92kg

內藏式增壓虎鉗
HYDRAULIC MACHINE VISE (BUILT-IN TYPE)

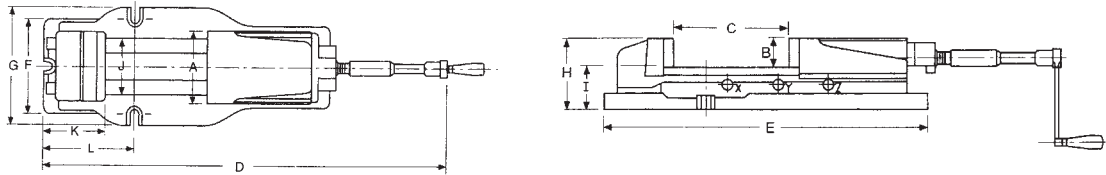
MODEL：HV-100、HV-130
HV-150、HV-200
本增壓系統保固一年
★PATENT：M314660



- 特點：
- 1.適合立式綜合切削加工機，銑床使用。
 - 2.虎鉗本台使用高延展性鑄鐵，防止變形。
 - 3.本壓力系統只須小小施力，便可發揮強大的夾持力。
 - 4.三個夾持範圍設計，可快速變換且操作簡便。

- FEATURES：
- 1. Most suitable for vertical machine center, milling machine.
 - 2. Vise body is made of high quality ductile cast iron resists bending.
 - 3. Pressure system for maximum clamping pressure with minimum force.
 - 4. 3 clamping ranges design:Quick to change and easy to operate.
 - 5. Vise pressure system with one year guarantee.

NO.	檢 查 項 目 Inspection Item (100mm)	容許值 Allowance		1.	3.
		JIN YEAR	JIS CLASS		
1	鉗口面對本台底面導正鍵槽之平行度 Parallelism of guide block side of body bottom face and fixed jaw clamp face.	0.01	0.015		
2	鉗口面對滑動面之垂直度 Squareness of fixed jaw clamp face and jaw slidaway.	0.02	0.03		
3	兩邊鉗口之平行度 Both jaw plate parallelism.	0.015	0.02		
4	本台滑動面對底面之平行度 Parallelism of body bottom face and jaw slidaway.	0.01	0.015		



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	Clamping range			Clamping force (kgf)	Weight(kg)	
													X position	Y position	Z position		Table	Disk Rotary
HV-100	105	36	170	525	440	135	170	95	58	80	95	147	0-57	55-114	112-170	2500	21	7
HV-130	130	48	220	670	550	175	207	120	70.5	97	107	195	0-73	72-146	145-220	3500	38	8
HV-150	150	53	300	970	620	182	225	135	82.5	116	117	210	0-100	98-200	198-300	4500	53	11
HV-200	200	62	300	900	680	260	280	162	100	160	150	260	0-100	99-200	198-300	8000	95	13

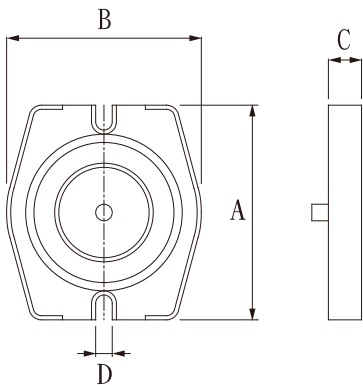
傾斜式增壓虎鉗
TILTING HYDRAULIC VISE

MODEL：THV-100
THV-150
★本增壓系統保固一年
PATENT：M314660



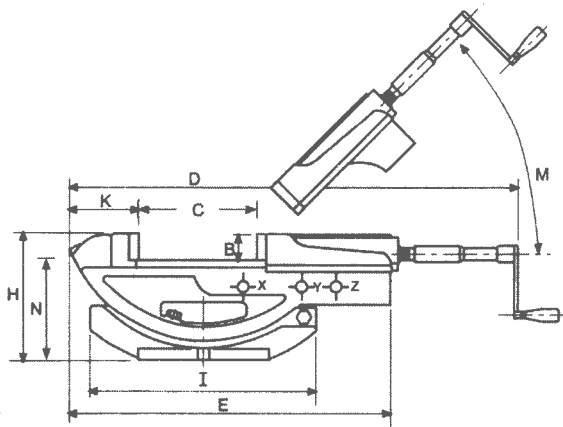
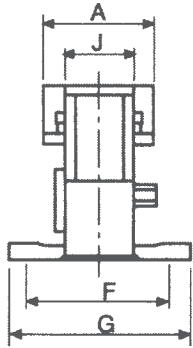
- 特點：
- 本虎鉗不同於一般的銑床虎鉗，可依不同需求直接調整出加工角度，其垂直方向調整角度可從0至45度自由調整，刻劃的度數極為精確，可直接調整出加工角度。

- FEATURES：
- The vise is different from general vise use for miller. It can be adjusted the angle for processing requirement, and its vertical angle can be adjusted freely 0-45.The graduation is very precise. You may read the processing angle clearly from the scale.



SWIVEL BASE 迴轉底盤

ORDER NO.	A	B	C	D	G.W.(kg)
HS-4	270	240	40.7	15	7
HS-5	292	267	44	17	8
HS-6	330	300	40.8	17	11
HS-8	380	345	42.2	19	13



MODEL	A	B	C	D	E	F	G	H	I	J	K	M	N	夾持力 (kgf)	Weight(kg)	
THV-100	105	36	0-170	547	420	106	165	191	340	80	92	0°~45°	160	2500	Body 26kg	Swivel base 7kg
THV-150	150	53	0-300	790	600	165	230	250	435	116	123	0°~45°	197	4500	Body 70kg	Swivel base 11kg