



Vises Systems

虎鉗系統

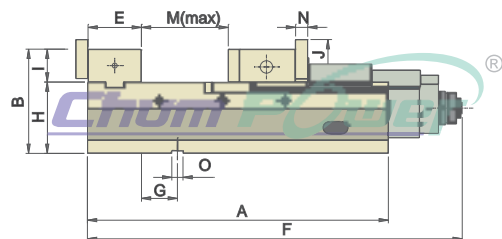
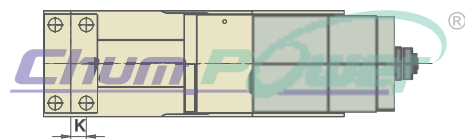
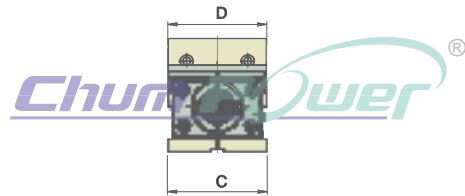


CMO-160,200 G/HV

MC Long Opening Power Vise

MC Power Vise

MC 大開口倍力增壓式虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格														Weight (kg)
		A	B	C	D	E	F	G	H	I	J	K	M	N	O	
VS01010	CMO-160G	515	168	161	159.2	86	670	49	115	53	63	25	320	20	18	80
VS01015	CMO-160HV															
VS01020	CMO-200G	585	178	202	200	101	713.1	66	120	58	68	31	347.44	24	18	117
VS01025	CMO-200HV															

APPLICATION

CMO Series is the newest large jaw opening vise of ChumPower. It also offers Lockwell Anti-Lift mechanism and force adjustable function. In order to increase vise life, the mechanism between Mechanical Booster and screw threads has been sealed to prevent the iron Chips and cutting fluid to soak in.

FEATURES

- Large jaw opening:
CMO - 160G/HV, MAX 320mm
CMO - 200G/HV, MAX 345mm
- Bed height: tolerance 0.01mm or less.
- Distance from keyway to fixed jaw: tolerance 0.01mm or less.
- Distance from keyway to fixed jaw of CMO as same as the distance from keyway to fixed with an extra jaw of CMP.

應用

此為最新型的大開口虎鉗，同時具備向量式防止工件上浮功能以及調壓功能。倍力增壓機構和子螺桿之間以密封方式處理，防止鐵屑及切削液進入，增加虎鉗壽命。

特色

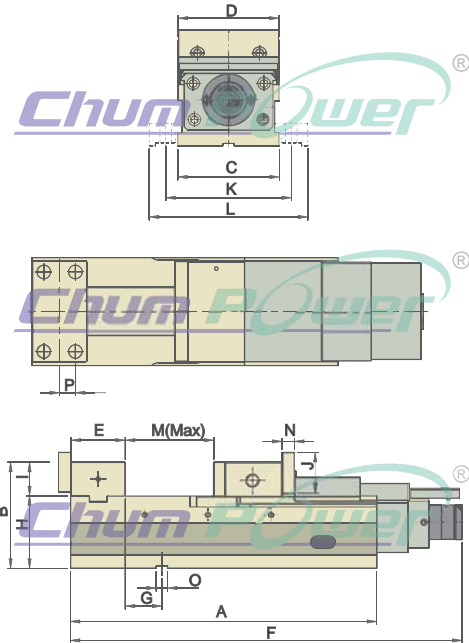
- 大開口：
CMO-160G/HV, MAX 320mm
CMO-200G/HV, MAX 345mm
- 床高：公差0.01mm以內。
- T型槽到固定顎的距離：公差0.01mm以內。
- CMO的T型槽到固定顎的距離等於CMP再加上鉗口後到T型槽的距離。

CMP-100, 125, 160, 200 G/HV

MC Power Vise

MC Precision Power Vise(Adjustable)

MC 倍力可調壓式精密虎鉗(可調壓)



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格															Weight (kg)	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		P
VS02010	CMP-100G	324	130	104	102	73	426	32	85	45	55	142	194	140	17	18	20	32
VS02015	CMP-100HV																	
VS02020	CMP-125G	385	153	127	125	78	557	57	100	53	63	164	216	203	20	18	22.5	49
VS02025	CMP-125HV																	
VS02030	CMP-160G	480	168	162	160	86	665	49	115	53	63	199	252	275	20	18	25	80
VS02035	CMP-160HV																	
VS02040	CMP-200G	530	178	202	200	101	690	66	120	58	65	240	293	300	24	18	31	117
VS02045	CMP-200HV																	

APPLICATION

CMP Series is the earliest Power Vise of ChumPower which is also the first one to provide Mechanical Booster and adjustable pressure mechanism in Taiwan. The skillful products are made for MC machining center and have been sold around the world for decades.

FEATURES

- Jaw opening:
CMP-100G/HV, MAX 140mm/cm²
CMP-125G/HV, MAX 203mm/cm²
CMP-160G/HV, MAX 275mm/cm²
CMP-200G/HV, MAX 300mm/cm²
- Bed height:
tolerance 0.01mm or less
- Distance from keyway to fixed jaw: tolerance 0.01mm or less
- Distance of CMP, CMN, and CMW from keyway to fixed jaw is the same.
- Clamping force can be freely adjusted with the guidance of graduation lines.
- Clamping force:
CMP-100G/HV - 4,500kg/cm²
CMP-125G/HV - 5,000kg/cm²
CMP-160G/HV - 5,500kg/cm²
CMP-200G/HV - 6,500kg/cm²

應用

CMP系列是針對M/C模具加工最早設計開發的產品；行銷全世界數十年，技術純熟，更是台灣最早使用調壓機構的MC倍力增壓式精密虎鉗。

特色

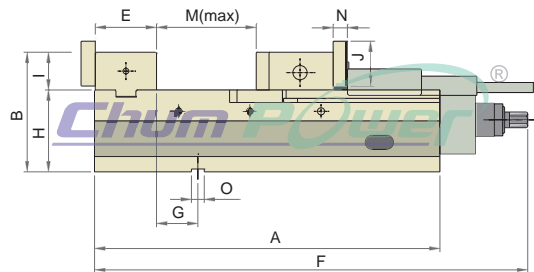
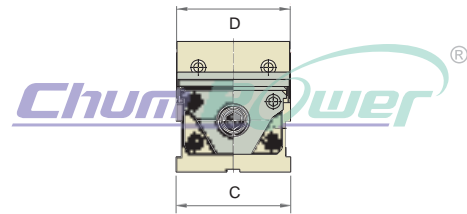
- 開口：
CMP-100G/HV, MAX 140mm/cm²
CMP-125G/HV, MAX 203mm/cm²
CMP-160G/HV, MAX 275mm/cm²
CMP-200G/HV, MAX 300mm/cm²
- 床高：公差0.01mm以內。
- T型槽到固定額的距離：公差0.01mm以內。
- CMP, CMN, CMW之T型槽到固定額的距離均相同。
- 夾持力可依校準線自由調整。
- 夾持力：
CMP-100G/HV - 4,500kg/cm²
CMP-125G/HV - 5,000kg/cm²
CMP-160G/HV - 5,500kg/cm²
CMP-200G/HV - 6,500kg/cm²

CMN-160 G/HV

MC Power Vise

MC Precision Power Vise(No Adjustable)

MC 倍力增壓式精密虎鉗(不可調壓)



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格														Weight (kg)
		A	B	C	D	E	F	G	H	I	J	M	N	O		
VS03010	CMN-160G	480	168	162	160	86	665	49	115	53	63	275	20	18	80	
VS03015	CMN-160HV															

APPLICATION

The CMN Series for "heavy mill and cut machining" was designed by ChumPower. It follows all the functions of CMP, except cannot adjusted the clamping force freely. Enhanced the design to protect the Mechanical Booster from machined chips and cutting fluid.

FEATURES

- Jaw opening:
CMN - 160G/HV, MAX 275mm
- Bed height:
tolerance 0.01mm or less
- Distance from keyway to fixed jaw: tolerance 0.01mm or less
- Distance of CMP, CMN, and CMW from keyway to fixed jaw is the same.

應用

重銑切削加工為此虎鉗著重的重點；除了無調壓功能，其餘功能皆與CMP相同，並加強其防止鐵屑及切削液進入倍力增壓機構的設計。

特色

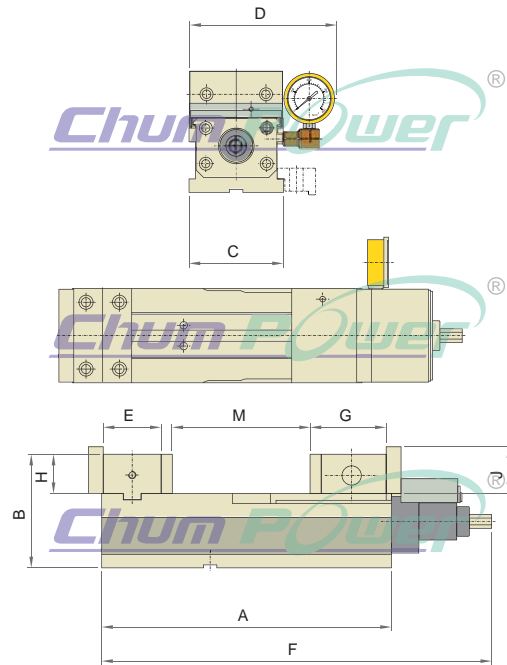
- 開口：
CMN - 160G/HV, MAX 275mm
- 床高：公差0.01mm以內。
- T型槽到固定顎的距離：公差0.01mm以內。
- CMP, CMN, CMW之T型槽到固定顎的距離均相同。

CMA-125

Air Hydraulic High Speed Vise

MC Power Vise

空、油壓急速虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格										Stroke (mm)	Air Pressure (kg/cm ²)	Clamping Force(kg)	Air Hydraulic Pump(psi)	Weight (kg)
		A	B	C	D	E	F	G	H	J	M					
VS04010	CMA-125G	385	153	125	160	78	525	102.5	53	63	187	8	6	2400	3000	80

APPLICATION

There are ones that air pump and high clamping force with hydraulic, it only takes 3 seconds to clamp the workpiece, saves time and power.

FEATURES

- CMA-125 air hydraulic vise is most fit with CNC and useful for every kinds of machine center.
- Operation only takes 3 seconds. Clamping force is adjustable from 300kg to 2,400kg by the air regulator.
- Depend on customer requirements, an air hydraulic pump can be equipped with 2-4 sets CMA-125 vises.

應用

此虎鉗提供空壓幫浦及高夾持力。夾持工件僅需3秒，省時又省力。

特色

- 最適合CNC並適用於每種機台。
- 操作僅需3秒。夾持力可由空壓調節器於300kg至2400kg範圍內調整。
- 依客戶需求，空壓幫浦可裝備2-4台CMA-125。



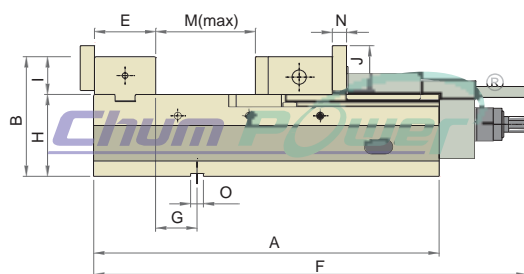
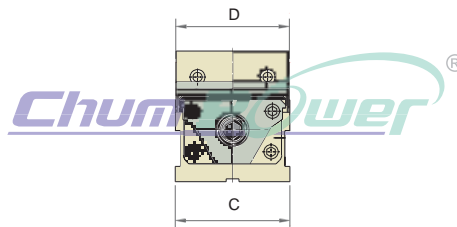
Air Pump

CMW-100, 125, 160 G/HV

MC Lockwell Vise (Anti-lift)

MC Power Vise

MC 向量式精密虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格														Weight (kg)
		A	B	C	D	E	F	G	H	I	J	M	N	O		
VS05010	CMW-100G	324	130	104	102	73	426	31.5	85	45	55	140	17	18	27	
VS05015	CMW-100HV															
VS05020	CMW-125G	385	153	127	125	78	557	57	100	53	63	203	20	18	45	
VS05025	CMW-125HV															
VS05030	CMW-160G	465	168	162	160	86	665	49	115	53	63	275	20	18	75	
VS05035	CMW-160HV															

APPLICATION

CMW Series is made for "mill and cut machining" and provides Lockwell Anti-Lift mechanism. It is to be aim at the workpiece which precision is important but does not require strong clamping force. The largest clamping force is about 2,000kg/cm².

FEATURES

- Jaw opening:
CMW - 100G/HV, MAX 140mm
CMW - 125G/HV, MAX 203mm
CMW - 160G/HV, MAX 275mm
- Bed height: tolerance 0.01mm or less.
- Distance from keyway to fixed jaw: tolerance 0.01mm or less.
- Distance of CMP, CMN, and CMW from keyway to fixed jaw is the same.

應用

CMW系列是專為銑切削加工而設計，採用向量式原理防止上浮之專利設計，針對高精密度加工卻不需強大夾持力的工件專用。最大夾持力可達2000kg/cm²。

特色

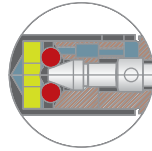
- 開口：
CMW-100G/HV, MAX 140mm
CMW-125G/HV, MAX 203mm
CMW-160G/HV, MAX 275mm
- 床高：公差0.01mm以內。
- T型槽到固定顎的距離：公差0.01mm以內。
- CMP, CMN, CMW之T型槽到固定顎的距離均相同。

CHL-50,60,80

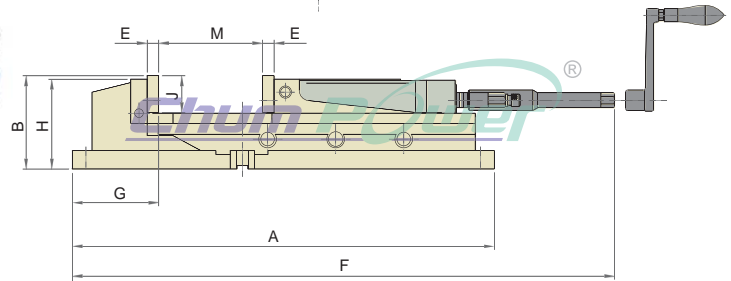
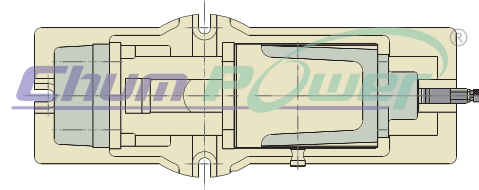
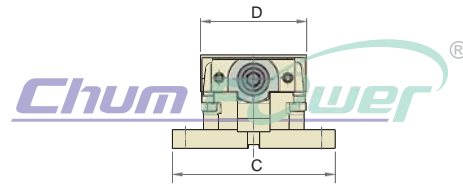
MC Long Power Vise

Hydraulic Power Vise

倍力增壓式虎鉗



Mechanical Booster



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格										Weight (kg)
		A	B	C	D	E	F	G	H	J	M	
VS06010	CHL - 50A	540	118	185	165	15	670	117	72	46	220	37
VS06015	CHL - 50B											
VS06020	CHL - 60A	620	133	240	200	17	800	125	82	54	300	57
VS06025	CHL - 60B											
VS06030	CHL - 80A	700	162	280	240	21	900	165	100	62	300	104
VS06035	CHL - 80B											

APPLICATION

Mechanical Power vises are designed with an unique Ball design structure to furnish superior holding strength with powerful clamping forces to maximize processing accuracy. They are built with precise tolerance and accurate standards to ensure reliability and long durability.

應用

採用特殊鋼珠設計結構，提供強有力的夾持力，進而提高精度。並搭配精準公差及精確標準來確保可靠性及長時耐久性。

FEATURES

- Mechanical Power Vises are rigidly constructed to give industry a truly dependable tool for milling, grinding, drilling, shaping and production as well as many other types of usage.
- Many tones of pressure can be applied to workpieces with little effort while operating the new Mechanical Power Vises, which will never loosen the grip on a workpiece by itself. Loosening can only be done manually.

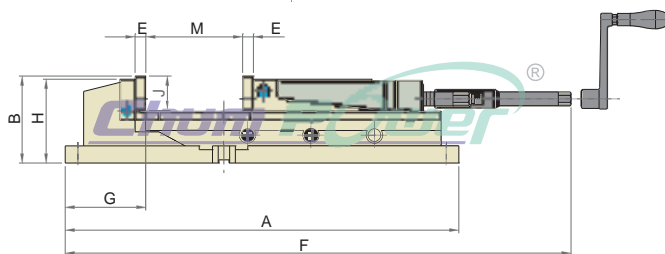
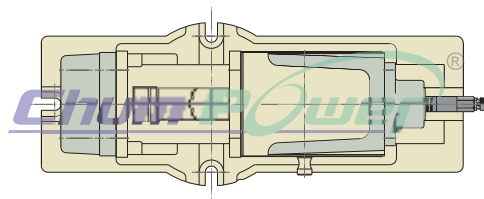
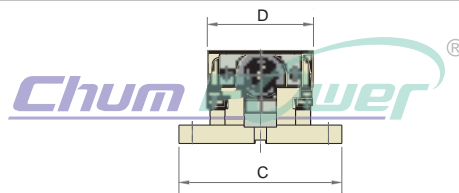
特色

- 穩固結構的機械增壓虎鉗給予業界一個值得信賴的工具來進行銑、研磨、鑽孔等加工，產量就如同其他型號之功能一樣。
- 僅需小操作力便可對工件施加不同壓力；除非用手動方式，否則在夾持過程中壓力絕不釋洩。

CHD-40,50,60,80

Hydraulic Power Vise

Hydraulic Power Vise(Disc-Spring Mounted) 油壓內建式虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格										Clamping force(kg)	Weight (kg)
		A	B	C	D	E	F	G	H	J	M		
VS07010	CHD - 40A	430	94	160	130	11	525	100	60	36	170	2500	24
VS07015	CHD - 40B												
VS07020	CHD - 50A	540	118	185	165	15	670	117	72	46	220	3500	37
VS07025	CHD - 50B												
VS07030	CHD - 60A	620	133	240	200	17	800	125	82	54	300	4400	57
VS07035	CHD - 60B												
VS07040	CHD - 80A	700	162	280	240	21	900	165	100	62	300	6600	104
VS07045	CHD - 80B												

APPLICATION

CHD Series is the first Hydraulic Power Vise in Taiwan. The hydraulic booster provides a stable clamping force against shocks and vibrations during the operations, since it fastens the workpiece securely with the aid of the Disc-spring mounted inside.

FEATURES

- Suitable for every machine center.
- Can be changed to non-Booster system.
- Unique design reduces the workpiece lift.
- The precision of the gang vise is better than that of any ordinary vise.

應用

CHD系列為台灣首台增壓虎鉗。增壓器提供穩固的夾持力，藉由內建碟形彈簧的幫助將工件牢固並對抗操作時產生之震顫。

特色

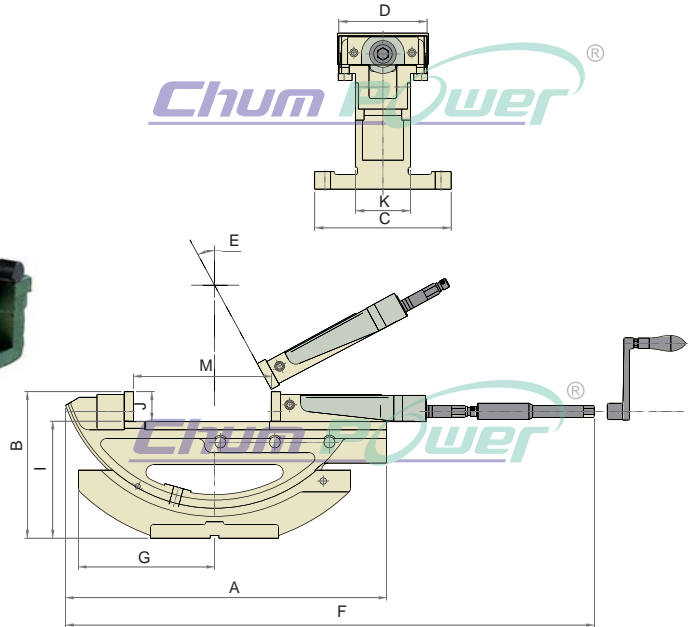
- 適用於任一加工台。
- 可切換成非增壓模式。
- 特殊設計使工件上浮力降至最低。
- 精準度高於一般虎鉗。

CHA-40,60

Hydraulic Power Vise

Hydraulic Power Vise(Angular Setting)

油壓角度式虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格											Clamping force(kg)	Weight (kg)
		A	B	C	D	Angle E	F	G	I	J	K	M		
VS08010	CHA - 40A	330	177	330	104	50°	525	172	141	36	65	170	2500	24
VS08015	CHA - 40B													
VS08020	CHA - 60A	500	260	500	156	50°	812	275	206	54	95	300	4400	70
VS08025	CHA - 60B													

APPLICATION

CHA Series is different from other conventional vises. It not only follows the functions of CHD Series but also makes directional angular settings possible. The vertical angle can be set to preference from 0-50°. Precise angular setting in plane can be read from the mounted scale.

應用

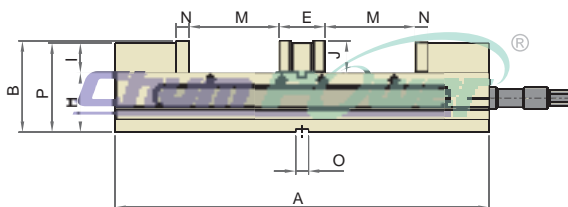
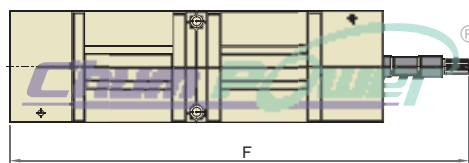
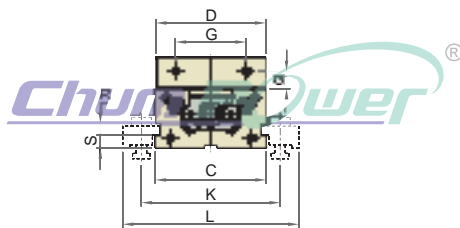
CHA不同於其他一般虎鉗，增壓虎鉗可在允許的方向設定做角度設定；角度依需求可在範圍0-50°設定，並可在內建刻度尺精確讀取所要的角度。

CDL-40,60 G/HV

Lockwell Durable Precision Vise

Double Clamp Vise

雙件式精密虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格																		Weight (kg)	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R		S
VS09010	CDL-40G	405	101.5	104	103	47.2	430	63.5	63.5	33	38	143	195	90	18	17.5	96.5	17.5	31	13	20
VS09015	CDL-40HV																				
VS09020	CDL-60G	520	123.5	154	152	64	639	98.4	82.55	41.5	44.5	193	245	125	18	17.5	126.5	23.8	16	18	43
VS09025	CDL-60HV																				

APPLICATION

CDL can increase the efficiency and productivity of CNC machine. It exclusively designed with combination of machine fixed jaw and movable jaw.

FEATURES

- Productivity – multiple parts work-holding for better spindle utilization and reduced tool change time.
- Accuracy – repeatable clamping to $\pm 0.015\text{mm}$.
- Durability – 80,000 PSI (FCD 60) ductile iron.
- Clamping force equalization and Anti-Lift mechanism.
- The CDL features the ability to clamp dissimilar sized parts and provides preloading ability in the front or back jaw.
- Double clamp seat:
U.S.A. patent no.5374040.

應用

CDL虎鉗獨特的設計結合機械製固定顎及活動顎，增加CNC機台效率及產量。

特色

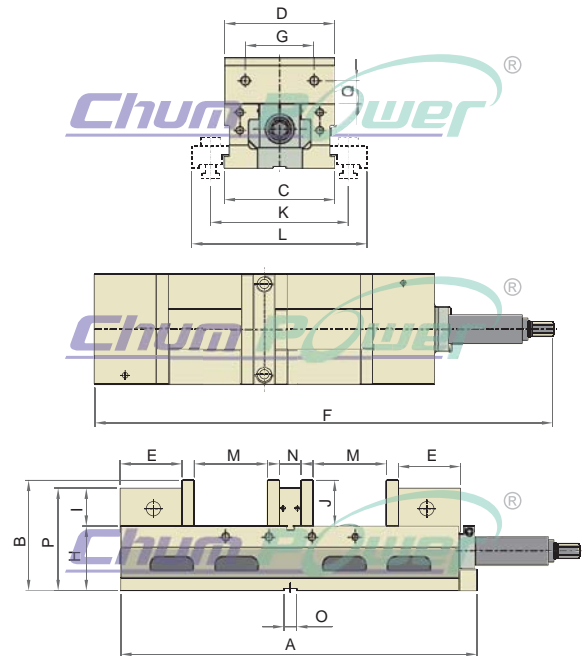
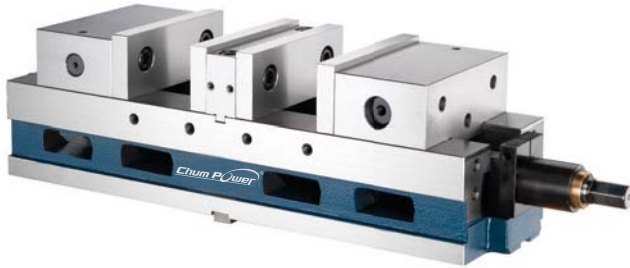
- 生產率-多功能零件夾持，使軸心更完善的使用、減少工具轉換時間。
- 準確性-夾持彈性於0.015mm左右。
- 耐久性-80000 PSI 高延展性鑄鐵。
- 自動補償機構及防止上浮機構。
- CDL著重於夾持不同尺寸之零件，並提供前後顎預先輸入的功能。
- 雙夾座：U. S. A. 專利號碼5374040。

CDC-60 G/HV

Double Clamp Vise

2 in 1 Double Lockwell Clamping Vise

雙件式向量虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格																	Weight (kg)	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q		
VS10010	CDC-60G	495	140	154	152	86.5	610	98.4	90	53	58	165	220	34-102	30	18	143	31.8	63	
VS10015	CDC-60HV																			

APPLICATION

CDC Series, Double Clamp Vises, increase the productivity and save the cost by the ability to hold two workpieces in each clamp. This design has two patents and the precise accuracy which is over the market standard.

FEATURES

- Double Clamp: each clamp can be adjusted freely and hold two dissimilar workpieces in the same time.
- Clamping force equalization: same force to two workpieces in different size.
- Patented Lockwell Anti-Lift mechanism: ensure the workpiece does not lift.
- 80,000 PSI (FCD 60) ductile iron body, HRC45° flame hardened bed and jaw.

應用

雙鵬虎鉗CDC系列擁有雙夾座、雙專利設計，能在同時夾持兩不同尺寸之工件，增加生產量又節省成本。

特色

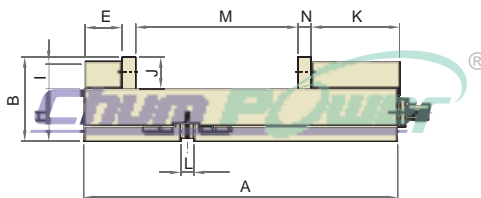
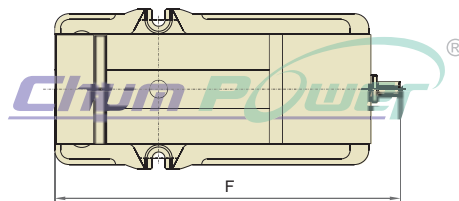
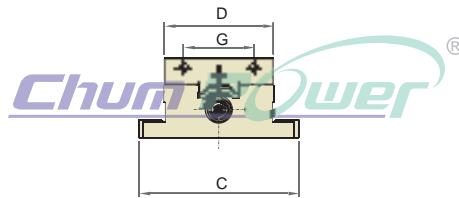
- 雙夾座：雙開口可自由調整並同時加工不同尺寸之工件。
- 自動補償機構：不同大小工件，可在同時夾緊，且夾持力相同。
- 專利向量式原理防止上浮機構，確保工件不上浮。
- 80,000 PSI高延展性鑄鐵本台及HRC 45° 硬化熱處理床面與鉗口。

CLD-40,50,675,689,810

Lock-down Jaw Mechanical Vise

Mechanical Vise

角固鎖壓式虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格														Weight (kg)
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	
VS11010	CLD - 40A	312.5	92	166	103.5	-	350	63.5	57	28.5	35	102	-	103.9	15	18
VS11015	CLD - 40B															
VS11020	CLD - 50A	368	101.6	194	127	-	415	79.4	63.5	33.5	38.1	120	-	127.5	17	25
VS11025	CLD - 50B															
VS11030	CLD - 675A	432	117.525	235	150	17.5	485	98.42	73.025	38	44.5	123	17.48	192	18	32
VS11035	CLD - 675B															
VS11040	CLD - 689A	435	117	222.25	150	17.5	481	98.42	73.025	38	44.5	123	17.48	226	18	36
VS11045	CLD - 689B															
VS11050	CLD - 810A	554	144	295	203	17.5	614.5	120	84.074	50	56	157	17.48	259	24.2	75
VS11055	CLD - 810B															

CLD-40,50,675 FEATURES

- A 7-1/2" jaw opening.
- Bed height: 2.875" ±0.0005"

CLD-689 FEATURES

- Large 8.9" jaw opening.
- Spindle nut does not protrude past the end of body.
- Have same imprints as the CLD-675.
- Have same distance from keyway to fixed jaw like the CLD-675.
- Exceeds CLD-675 in clamp force by 20%.

CLD-810 FEATURES

- CLD-810 is an updated version of the CLD-80, with a larger jaw opening and a steadier body.
- Large 10" jaw opening.
 - Bed height: 3.310" ±0.0005"
 - 11,600 lbs clamp force.

CLD-40,50,675 特色

- 7-1/2" 開口。
- 床高2.875" ±0.0005"。

CLD-689 特色

- 8.9" 大開口。
- 齒條不在鉗身外延伸。
- 軌跡同CLD - 675。
- T型槽到固定顎的距離同CLD - 675。
- 比CLD - 675更多出20%夾持力。

CLD-810 特色

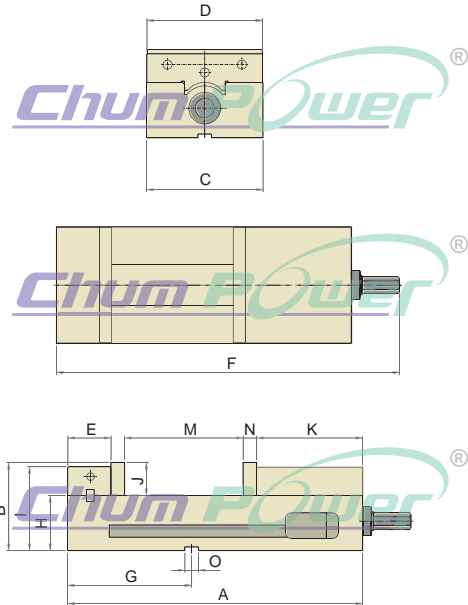
- 新型CLD - 810是由CLD - 80進化而成，其開口加大且本台穩定度更高。
- 10" 大開口。
 - 床高：3.310" ±0.0005"
 - 11,600 lbs 夾持力。

CLA-40,60 G/HV

Mechanical Vise

Angle-Lock Appose Machine Vise

角固並排式虎鉗



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格														Weight (kg)
		A	B	C	D	E	F	G	H	I	J	K	M	N	O	
VS12010	CLA-40G	330	108	105	102	46.8	372	139	68	100	40	106	125	21	18	17
VS12015	CLA-40HV															
VS12020	CLA-60G	390	117.4	154	152	57	455	164.3	73	111	44.5	140	148	18	18	31
VS12025	CLA-60HV															

APPLICATION

CLA Series is the earliest vise that can be vertical or on either side. Enhanced body structure reduces the deflection in operation while the vise mounted vertical or horizontal.

應用

CLA系列為最早的立、橫兩用式虎鉗。本台主結構強化，以減少立、橫式加工時的變形量。

FEATURES

- The system ensures the workpiece does not lift.
- 80,000 PSI (FCD 60) ductile iron body. HRC45⁺ flame hardened vise bed and jaw.
- Footprint and distance from keyway to fixed jaw as same as competition.
- Sealed bearing system reduces clamping pressure and increases bearing life.
- Fixed jaw has machined keyway for alignment of the vise and includes alignment rail for quick setups.

特色

- 降低工件上浮力。
- 本台使用80,000 PSI (FCD - 60)高延展性鑄鐵。硬化床面及鉗口。
- 軌跡及T型槽到固定顎的距離與市場競爭相同。
- 密封的軸承系統減少夾持力並增加軸承壽命。
- 固定顎擁有機械製T型槽以校準，亦提供校準軌以快速安裝。

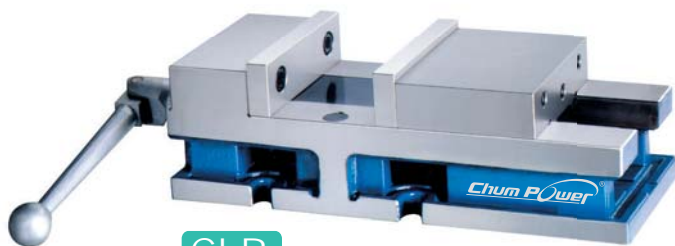
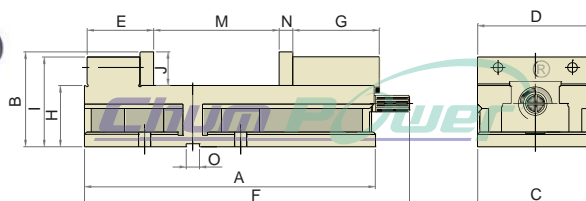
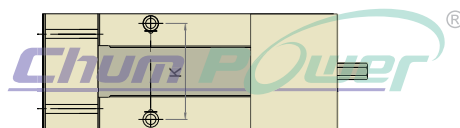
CLM-60G/HV, CLR-60G/HV

Mechanical Vise

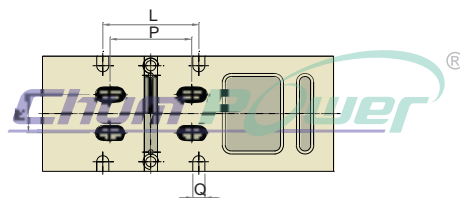
Multi-function Machine Vise (Vertical/ Horizontal) 多功能立/ 橫鎖壓式虎鉗



CLM



CLR



Code No. 型號	MODEL 機型	DIMENSIONS (mm) 規格																	Weight (kg)	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q		R
VS13010	CLM-60G	382.5	125.9	152.4	152	91.4	431.8	114.3	80.9	118.9	45	127	127	163	18	17.47	108	18	50.8	31
VS13015	CLM-60HV	382.5	125.9	152.4	152	91.4	431.8	114.3	80.9	118.9	45	127	127	163	18	17.47	108	18	50.8	31
VS13050	CLR-60G	382.5	125.9	152.4	152	91.4	431.8	114.3	80.9	118.9	45	127	127	163	18	17.47	108	18	50.8	31
VS13055	CLR-60HV	382.5	125.9	152.4	152	91.4	431.8	114.3	80.9	118.9	45	127	127	163	18	17.47	108	18	50.8	31

APPLICATION

Versatile Lock Vise is the standard single station CNC vise that most often used in the industry. The time proven design, features prevention of workpieces from bulging and offers an ultra-precision.

FEATURES

- Mounted vertical or horizontal is available.
- 80,000 PSI (FCD 60) ductile iron body. HRC45° flame hardened vise bed and jaw.
- Fixed jaw has machined keyway for alignment of the vise and includes alignment rail for quick setups.
- Bed height: 3.187" ±0.0005"

應用

業界最基本的單機CNC虎鉗，強調防止工件上浮的功能，並提供高標準之精度。

特色

- 立、橫兩用式。
- 80,000 PSI (FCD 60)高延展性鑄鐵。
- 固定顎擁有機械製T型槽以供虎鉗校準，亦提供校準軌以快速安裝。
- 床高：3.187" ±0.0005"。