AVK 160, 200

Workholding

ULTRA-LOW HEIGHT MECHANICAL POWER VISE

超低加大開口 倍力增壓式虎鉗

New design with ultra-low vise body and largest opening, besides, it has 3 patents: Lockwell Anti-Lift Mechanism, Mechanical Booster and Force Adjustable Function. Largest opening, high accuracy and strong rigidity for increase the efficiency and productivity.

Vise with ultra-low bed height & largest opening.

Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

新型超低本台加大開口虎鉗，同時擁有專利「倍力增壓機構」、特殊「防止工件上浮設計」與「調壓機構」，大開口、超精度、高剛性可使客戶提高生產效率。

獨特超低本台設計與超大夾持範圍設計。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

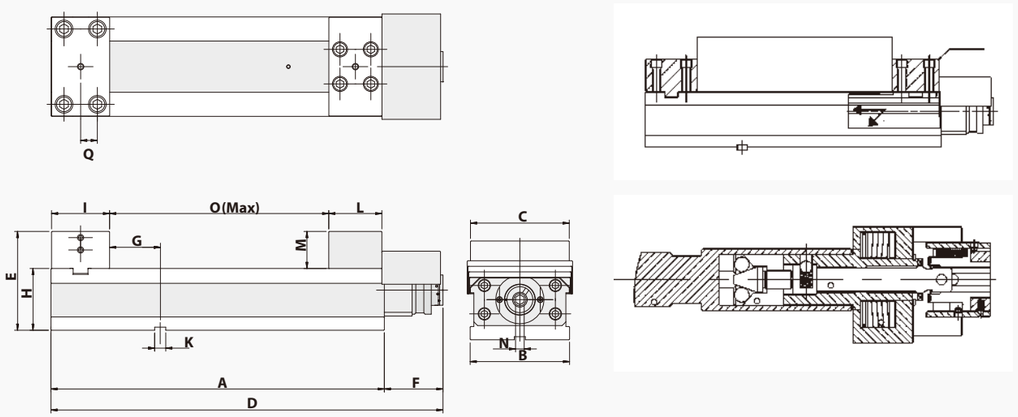
專利倍力機構擁有密封式防止鐵屑與切削液進入之設計，以增加倍力機構使用年限。

特殊防止工件上浮機構，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60 (80,000PSI) 抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	K	L	M	N	O	Q	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																
AVK-160	540	161	160	628	160	88	82	100	94	18	86	60	14	355	27	45 KN	65 kg
AVK-200	615	201	200	703	180	88	74	110	102	18	98	70	14	405	30	45 KN	105 kg

ALQ 160, 200 G/HV

Workholding

MC MECHANICAL LONG POWER VISE

加長型 倍力增壓式虎鉗

MC Mechanical Long Power vise with large opening and Lockwell Anti-Lift Mechanism is most suitable for VMC & HMC. This vise owns 3 patents and has the honor to get TAIWAN EXCELLENCE 2010.

Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

Unique Out-jaw design increase the clamping capacity.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

向量式(LOCKWELL)大開口精密機械倍力增壓虎鉗，適用於立/臥式綜合銑切削加工中心機上使用，本產品有三項專利在案，並於2010年獲得台灣精品獎殊榮。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

專利倍力機構擁有密封式防止鐵屑與切削液進入之設計，以增加倍力機構使用年限。

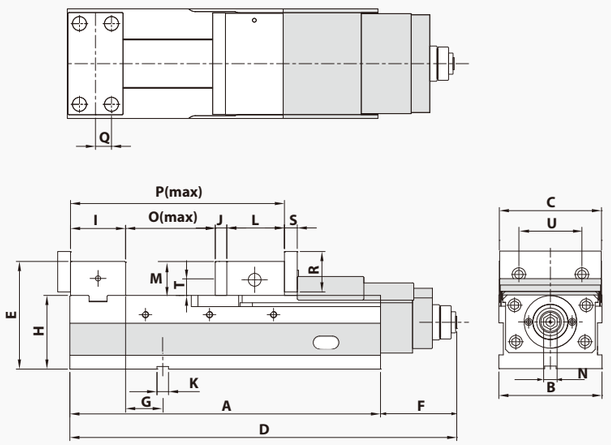
向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

首創獨特外鉗口設計，加大夾持範圍。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60（80,000PSI）抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																						
ALQ-160G/HV	515	161	159.5	603	168	88	76	115	86	18	18	80	53	19	330	514	25	63	20	26.5	98.4	45 KN	76kg
ALQ-200G/HV	585	202	199.5	673	178	88	93	120	101	18	18	95	58	19	367.5	581.5	31	73	20	29	120	50 KN	108kg

ACR 160, 200

Workholding

MC MECHANICAL REVERSED VISE

反向型向量式精密 虎鉗

ACR-125,160GHV

Most suitable for VMC & HMC and owns 2 patents。

Unique Out-jaw design increase the clamping capacity。

Rigid and tensile ductile iron FCD-60(80000PSI) vise body.Slide surface flame hardened to HRC65° to maintain the accuracy.S50C jaw-plate has been Carburizing hreated the hardeness to HRC54°。

Unique desing facilitates the evacuation of chips

向量式(LOCKWELL)大開口精密機械虎鉗,適用於立/臥式綜合加工機上使用,本產品有專利在案。

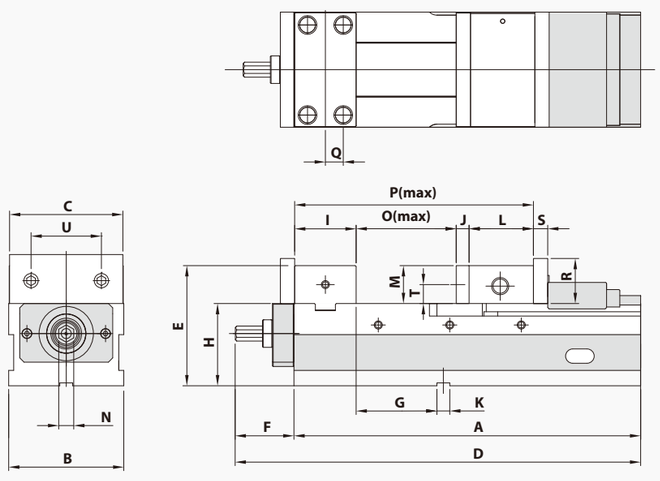
向量式(LOCKWELL)專利設計,使工件產生向下壓力效果,以消除傳統虎鉗操作時所產生的傾斜與偏向。

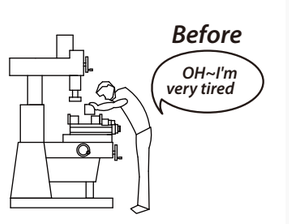
首創獨特外鉗口設計,加大夾持範圍。

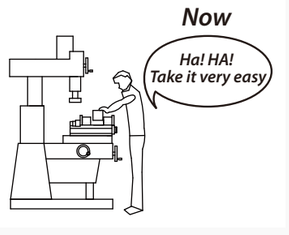
虎鉗本台使用強而有力的球狀石磨鑄鐵FCD-60(80000PSI)抗張力強,不易變形;本台滑動面均經高週波硬化熱處理HRC65°以上,強化滑動面的耐磨性與精度;鉗口均採用S50C材質,再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑設計,防止鐵屑進入虎鉗內部並且容易排出虎鉗內部,延長使用期限

DIMENSIONS 尺寸圖







ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																						
ACR-125G/HV	390	127	124.7	474	153	84	66	100	78	15	18	87.5	53	19	173	353.5	22.5	63	20	26.5	60	/	43kg
ACR-160G/HV	515	161	159.5	495	168	82	76	115	86	18	18	80	53	19	289	514	25	63	20	26.5	98.4	/	71kg

AVR 125, 160 G/HV

Workholding

MC MECHANICAL REVERSED POWER VISE

反向型 倍力增壓式虎鉗

Most suitable for VMC & HMC and owns 2 patents.

Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Unique Out-jaw design increase the clamping capacity.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

獨特超低本台設計與超大夾持範圍設計。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

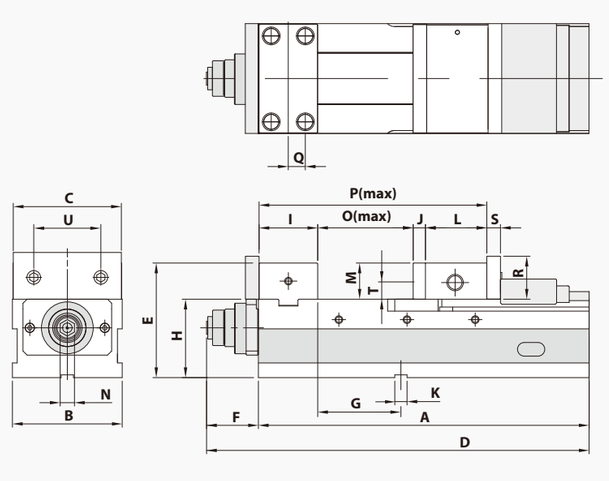
專利倍力機構擁有密封式防止鐵屑與切削液進入之設計，以增加倍力機構使用年限。

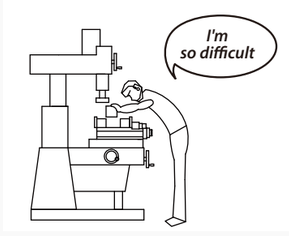
特殊防止工件上浮機構，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

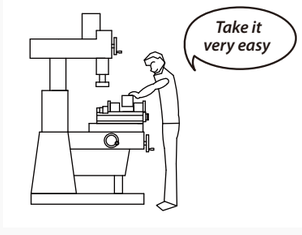
虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60 (80,000PSI) 抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖







ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																						
AVR-125 G/HV	390	127	124.7	460	153	70	66	100	78	15	18	87.5	53	19	173	353.5	22.5	63	20	26.5	60	35 KN	46 kg
AVR-160 G/HV	515	161	159.5	591	168	76	76	115	86	18	18	80	53	19	289	474	25	63	20	26.5	98.4	45 KN	76 kg

AVS-155/160

Workholding

ULTRA LARGE OPENING MC MECHANICAL POWER VISE

加大開口 倍力增壓式虎鉗

MC Mechanical Power Vise is most suitable for VMC & HMC and owns 3 patents.

Patented Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

Unique Out-jaw design increase the clamping capacity.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

向量式(LOCKWELL)大開口精密機械倍力增壓虎鉗，適用於立/臥式綜合銑切削加工中心機上使用，本產品有三項專利在案。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

專利倍力機構擁有密封式防止鐵屑與切削液進入之設計，以增加倍力機構使用年限。

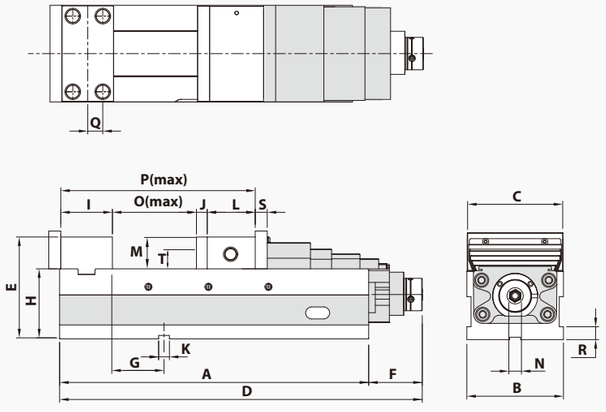
向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

首創獨特外鉗口設計，加大夾持範圍。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60（80,000PSI）抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	K	L	M	N	O	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
																mm		
AVS-155G/HV	370	161	160	403	160	33	50	100	94	18	86	60	14	186	30	87	45KN	49kg
AVS-160G/HV	490	161	160	523	160	33	50	100	94	18	86	60	14	306	30	87	45KN	57kg

AVQ 100,125,160, 200G/HV

Workholding

MC MECHANICAL POWER VISE

倍力增壓式精密虎鉗

MC Mechanical Power Vise is most suitable for VMC & HMC and owns 3 patents.

Patented Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

Unique Out-jaw design increase the clamping capacity.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

向量式(LOCKWELL)精密機械倍力增壓虎鉗，適用於立/臥式綜合銑切削加工中心機上使用，本產品有三項專利在案。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

專利倍力機構擁有密封式防止鐵屑與切削液進入之設計，以增加倍力機構使用年限。

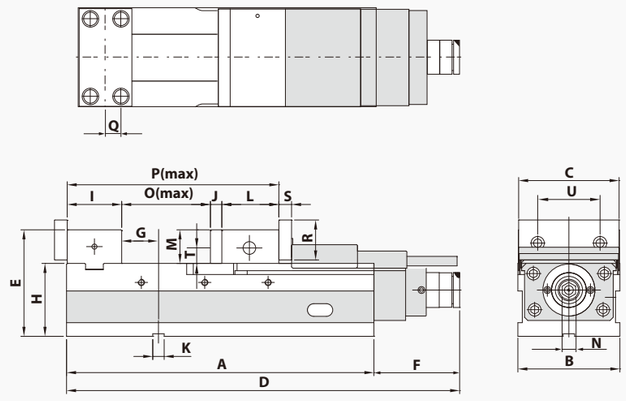
向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

首創獨特外鉗口設計，加大夾持範圍。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60 (80,000PSI) 抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
																					mm		
AVQ-100G/HV	324	104	102	412	130	88	41	85	73	15	18	86.5	45	19	140	314.5	20	55	20	22.5	58	25 KN	30kg
AVQ-125G/HV	390	127	125	478	153	88	66	100	78	15	18	87.5	53	19	201	381.5	22.5	63	20	26.5	60	35 KN	46kg
AVQ-160G/HV	485	161	159.5	573	168	88	58	115	86	18	18	80	53	19	295	479	25	63	20	26.5	98.4	45 KN	71kg
AVQ-200G/HV	535	202	200	623	178	88	75	120	101	18	18	95	58	19	320	534	31	73	20	29	120	50 KN	100kg

AVM
100, 130, 160, 165, 200G/HV
APV-160G/HV

WELLOCK
MC MECHANICAL
POWER VISE
角固式 精密機械倍力增壓虎鉗

Workholding

Wellock MC Mechanical Power Vise is most suitable for VMC & HMC and owns 2 patents.

Patented Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Wellock Semi-spherical segment eliminate deflection and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

4 different clamping positions.

Unique design facilitates the evacuation of chips.

角固式(WELLOCK)精密機械倍力增壓虎鉗，適用於立/臥式綜合銑切削加工中心機上使用，本產品有二項專利在案。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

專利倍力機構擁有密封式防止鐵屑與切削液進入之設計，以增加倍力機構使用年限。

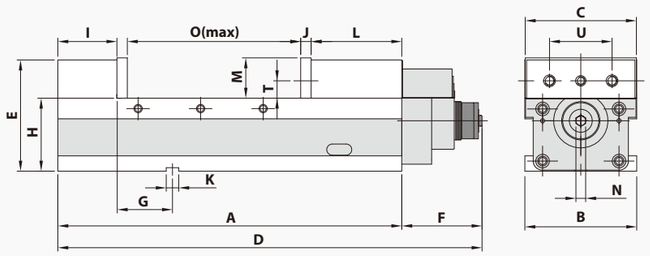
角固式(WELLOCK)半圓球可產生角固下鎖之力，可消除鉗口板上浮和工件傾斜。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60 (80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

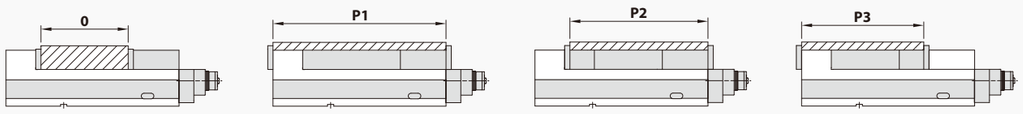
虎鉗擁有四種不同的夾持開口應用位置供客戶選擇。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



* 4 different clamping positions (outside jaws is optional accessories). * 提供您選擇四種不同夾持方式（外側鉗口為特殊附件）。



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P1	P2	P3	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																			mm		
AVM-100G/HV	350	101	100	470	130	110	45	85	65	15	18	105	48	19	150	150-330	150-240	150-200	22	60	25KN	24kg
AVM-130G/HV	415	131	130	525	147	110	65	95	70	15	18	115	55	19	201	201-400	201-300	201-250	25	90	35KN	38kg
AVM-160G/HV	495	161	160	583	160	88	80	105	85	15	18	130	58	19	245	250-480	250-370	250-330	25	90	43KN	55kg
AVM-165G/HV	560	161	160	648	160	88	80	105	85	15	18	130	58	19	310	315-545	315-435	315-395	25	90	43KN	64kg
AVM-200G/HV	580	201	200	708	170	128	100	110	90	18	18	150	63	19	290	290-550	290-430	290-370	28	120	60KN	78kg
APV-160G/HV	560	161	160	648	160	88	80	100	85	15	18	130	60	19	310	315-545	315-435	315-395	25	90	43KN	64kg

AVC
100, 130, 160, 165, 200G/HV
APC-160G/HV

WELLOCK
MC MACHINE
VISE
角固式 機械精密虎鉗

Workholding

Wellock MC Machine Vise is most suitable for VMC & HMC.

Wellock Semi-spherical segment eliminate deflection and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

4 different clamping positions.

Unique design facilitates the evacuation of chips.

角固式(WELLOCK)精密虎鉗，適用於立/臥式綜合銑切削加工中心機上使用。

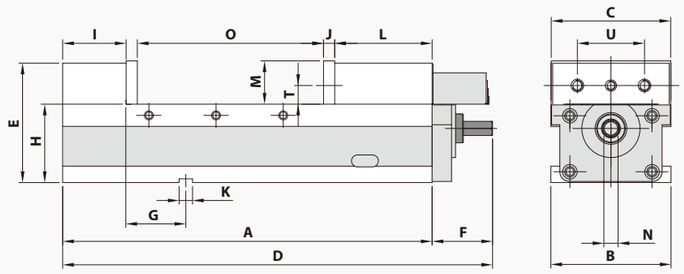
角固式(WELLOCK)半圓球可產生角固下鎖之力，可消除鉗口板上浮和工件傾斜。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60(80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

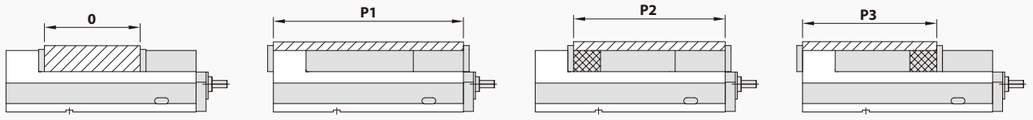
虎鉗擁有四種不同的夾持開口應用位置來供客戶選擇。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



* 4 different clamping positions (outside jaws is optional accessories). * 提供您選擇四種不同夾持方式（外側鉗口為特殊附件）。



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P1	P2	P3	T	U	WEIGHT 重量
	mm																			mm	
AVC-100G/HV	350	101	100	430	130	80	45	85	65	15	18	105	48	19	150	150-330	150-240	150-200	22	60	21kg
AVC-130G/HV	415	131	130	495	147	80	65	95	70	15	18	115	55	19	201	201-400	201-300	201-250	25	90	35kg
AVC-160G/HV	495	161	160	576	160	81	80	105	85	15	18	130	58	19	245	250-480	250-370	250-330	25	90	52kg
AVC-165G/HV	560	161	160	641	160	81	80	105	85	15	18	130	58	19	310	315-545	315-435	315-395	25	90	61kg
AVC-200G/HV	580	201	200	670	170	90	100	110	90	18	18	150	63	19	290	290-550	290-430	290-370	28	120	75kg
APC-160G/HV	560	161	160	641	155	81	80	100	85	15	18	130	58	19	310	315-545	315-435	315-395	25	90	61kg

AVL
100, 125, 160, 165
200, 235G/HV

MC LOCKWELL
SUPER VISE

向量式 精密虎鉗

Workholding

MC Lockwell Super Vise is most suitable for VMC & HMC and got patents.

Lockwell Anti-Lift Mechanism (patented) ensures the workpiece does not deflect and lift.

Unique Out-jaw design increase the clamping capacity.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

向量式(LOCKWELL)精密機械虎鉗，適用於立/臥式綜合銑切削加工中心機上使用，本產品有專利在案。

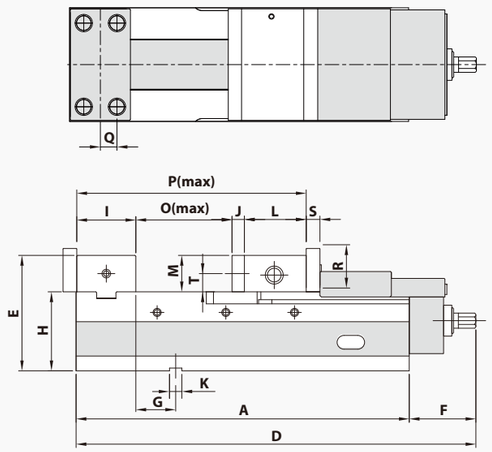
向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

首創獨特外鉗口設計，加大夾持範圍。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60(80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑與排屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	WEIGHT 重量
	mm																					
AVL-100G/HV	324	104	102	437	130	104	41	85	73	15	18	86.5	45	19	140	314.5	20	55	17	22.5	58	27kg
AVL-125G/HV	390	127	124.7	480	153	105	66	100	78	15	18	87.5	53	19	201	381.5	22.5	63	20	26.5	60	43kg
AVL-160G/HV	485	161	159.2	625	168	120	58	115	86	18	18	80	53	21	295	479	25	63	20	26.5	98.4	71kg
AVL-165G/HV	515	161	159.2	655	168	120	76	115	86	18	18	80	53	21	330	514	25	63	20	26.5	98.4	76kg
AVL-180G/HV	545	161	159.2	685	168	120	76	115	86	18	18	80	53	21	360	544	25	63	20	26.5	98.4	80kg
AVL-200G/HV	535	202	199.5	660	178	128	75	120	101	18	18	95	58	19	320	534	31	73	20	29	120	98kg
AVL-235G/HV	585	202	199.5	710	178	128	93	120	101	18	18	95	58	19	367.5	581.5	31	73	20	29	120	105kg

AEX
125,160G

Workholding

WELLOCK
5 AXIS MACHANICAL
POWER VISE

5軸用MC倍力增壓 精密虎鉗

Steady Clamping Force Built-in mechanical booster,maximum clamping force up to 40KN, suitable for working on all kinds of hard and soft workpiece.

S50C jaw-plate has been carburizing heat treated the gardness to HRC54°.

Fit well with 5 Axis MC machine center, horizontal and vertical machine center. It can work with rotary machine and related machine.

Patented Mechanical Booster is fully sealed against dust, chips and cutting fluid for extended life time.

Unique Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

Rigid and tensile ductile iron FCT-60(80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy.

Unique design facilitates the evacuation of chips for extended life time.

獨特專利內藏式增壓機構最大挾持力40KN,夾持力歷久不衰退,適合各式軟硬工件加工。

搭配鋸齒鉗口夾持設計,均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

可配合各種工作台!小型機身適合5軸MC工作台，直立式MC，臥式MC及搭配圓盤加工機和相關機台。

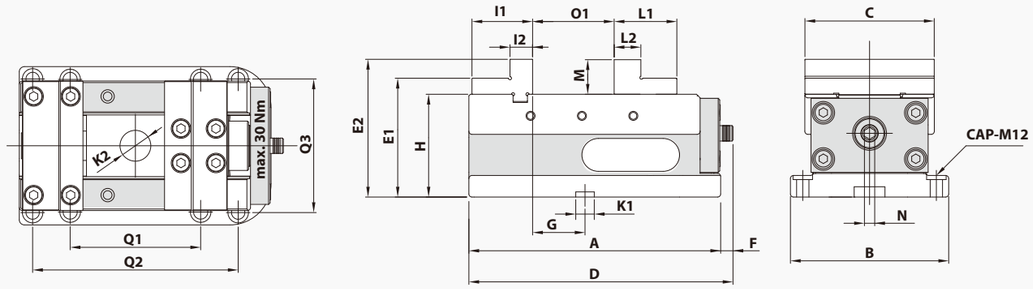
專利倍力機構擁有密封式防止鐵屑與切削液進入設計，增加倍力機構使用期限。

特殊防止工件上浮機構，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

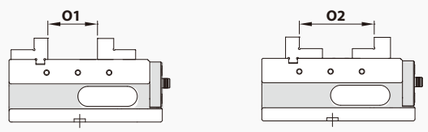
虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60（80,000PSI）抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；

獨特防屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



* 4 different clamping positions (outside jaws is optional accessories). * 提供您選擇四種不同夾持方式(外側鉗口為特殊附件)。



ITEM NO.	A	B	C	D	E1	E2	F	G	H	I1	I2	K1	K2	L1	L2	M	N	O1	O2	Q1	Q2	Q3	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																							
AEX-125G	245	154	126	257	116	134	12	51	100	59	22	18	Ø30	61	26	34	10	100	72-139	127	200	130	40KN	20kg
AEX-160G	317	196	152	329	145	180	12	83	120	65	30	18	Ø30	68	30	60	10	160	73-204	200	250	166	45KN	36kg

AEC
125, 160G
WELLOCK
5 AXIS MACHANICAL VISE
5軸用MC 精密虎鉗

Steady Clamping Force mechanical booster, ,suitable for working on all kinds of hard and soft workpiece.

Can be used on any machine center! Small body size fit well with 5 Axis MC machine center,horizontal and vertical machine senter. It can work with rotary machine and related machine.

Patented Mechanical Booster is fully sealed against dust,chips and cutting fluid for extended life time.

Unique Anti-Lift mechanism ensures the workpiece does not deflect and lift.

Rigid and tensile ductile tool steel SKS3. Slide surface flame hardened to HS65° to maintain the accuracy.S50C jaw-plate has been Carburzing heat treated the hardness to HRC54°.

Unique design facilities the eveacuation of chips.

扎實的夾持力，適合各式軟硬工件加工。

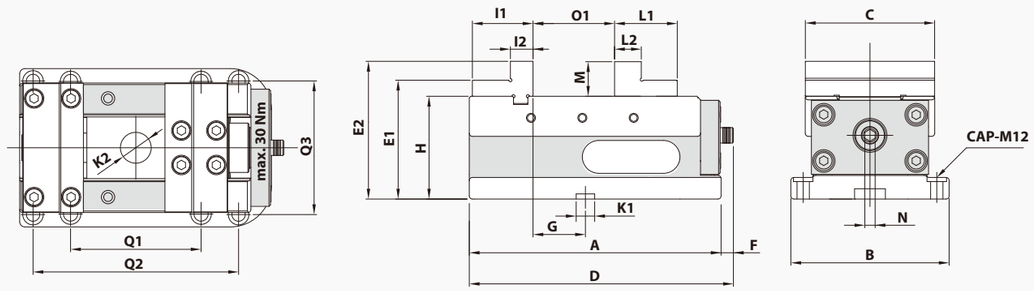
可配合各種工作台! 小型機身適合5軸MC工作台，直立式MC，臥式及搭配圓盤加工機和相關機台。

特殊防止工件上浮機構，使工件產生向下壓力效果，以消除傳統虎鉗操作時產生之傾斜與偏向。

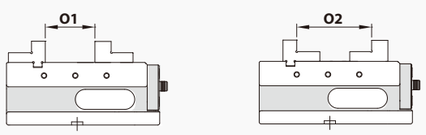
虎鉗本台使用強而有力的SKS工具鋼抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HRC65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑設計，防止鐵屑進入虎鉗內部並且容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



* 4 different clamping positions (outside jaws is optional accessories). * 提供您選擇四種不同夾持方式 (外側鉗口為特殊附件)。



ITEM NO.	A	B	C	D	E1	E2	F	G	H	I1	I2	K1	K2	L1	L2	M	N	O1	O2	Q1	Q2	Q3	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																							
AEC-125G	245	154	126	262	116	134	17	51	100	59	22	18	Ø30	61	26	34	10	102	72-139	127	200	130	/	18kg
AEC-160G	317	196	152	334	143	178	17	83	120	61	26	18	Ø30	64	26	58	10	160	73-204	200	250	166	/	34kg

AQM-160G *Workholding*
AIR POWER VISE
空壓精密虎鉗

Most suitable for mass production which need quick machine, such as milling VMC and HMC, expert work station.

This vise is adopting employs an air actuated cylinder. Circuiting progressively to make automation.

Safety locking mechanism for unexpected termination of air supply. After pneumatic clamping the workpiece will be clamped firmly even without the air supply.

Humanistic design. Easy ON/OFF switch control for pneumatic operation. The shifting speed is only 1.5 sec. With safety range 5mm. The optional electric control for automatic and FMS system is available.

AQM are all match vise, you could set up several of AQM together to operate with only one air source supply. 3 operate positions. Six faces of vise body has been ground and pre-set the holding slot, it can be processed vertically without jig block.

Even the air source at low pressure 8kg/cm2 which can be achived super hi-clamping force 90KN, and the 0-35KN clamping force can be adjusted freely by regulator.

Unique Out-jaw design increase the clamping capacity.

Lockwell Anti-Lift mechanism(patented) ensures the workpiece does not deflect and lift.

Rigid and tensile ductile iron FCT-60(80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been carburizing heat treated the gardness to HRC54°.

向量式(LOCKWELL)大開口空油壓快速精密虎鉗，適用於立/臥式綜合銑切削加工中心、專用機、龍門銑床等大量生產且需快速加工上使用。

本虎鉗是採用純氣壓方式設計，只需簡單接上空壓源，即可達成自動化且快速和高夾持力功能。

本虎鉗有安全止逆裝置設計，當空壓源在低點或是停止時，有自動補壓及穩壓之功能，安全性極高。

人性化設計，只須手動開關控制虎鉗開關，開關速度只需1.5秒，夾持安全距離可能5mm，當然也可搭配自動化無人生產系統來做特殊設計。

同高定寸規格，可搭配多台並列使用(同一空壓源)；也可立、側、臥三用，本體六面磨光並預留壓板槽，不須治具板，即可直立加工。

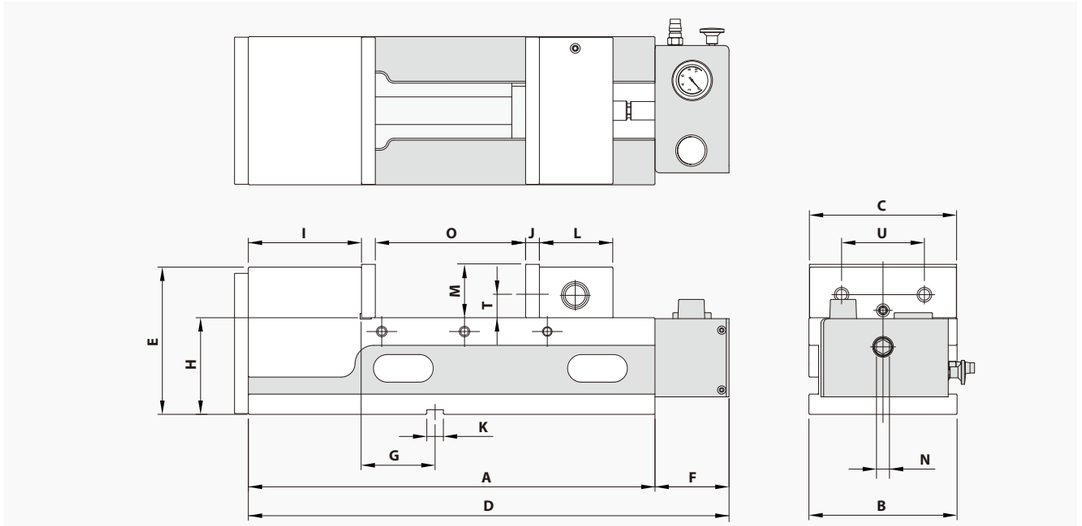
空壓源8kg/cm2之低壓源，即可達90KN之超高夾持力，而夾持力從0-35KN可藉由空壓調節閥自由調整設定。

首創獨特外鉗口設計，加大夾持範圍。

向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60（80,000PSI）抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
	mm																	
AQM-160G	442	161	160	522	160	80	80	105	123	15	18	80	58	14	208	25	90	60Kg

AMP
100, 150, 160, 165, 180, 200, 300

WELLOCK AIR HYDRAULIC POWER VISE
角固式 空油壓快速精密虎鉗

Most suitable for mass production which need quick machining, such as milling HMC & VMC, expert work station.

This vise is adopting the reciprocating pneumatic motor 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 other brand in the market.

Safety locking mechanism for unexpected termination of air supply. After pneumatic clamping the workpiece will be clamped firmly even without the air supply.

Humanistic design. Easy ON/OFF switch control for pneumatic operation. The shifting speed is only 1.5 sec. with safety range: 8mm. The optional electric control for automatic and FMS system is available.

AMP are all match vise, you can set up several of AMP together to operate with only one air source supply. 3 operate positions. Six faces of vise body has been ground and pre-set the holding slot, it can be processed vertically without jig block.

Even the air source at low pressure 8kg/cm2 which can be achieved super hi-clamping force 90KN, and the 0~90KN clamping force can be adjusted freely by regulator.

Unique Out-jaw design increase the clamping capacity.

Wellock Semi-spherical segment eliminate deflection and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

角固式(WELLOCK)空油壓快速精密虎鉗，適用於立/臥式綜合銑切削加工中心、專用機、龍門銑床等大量生產且需快速加工上使用。

本虎鉗是採用往復式空壓馬達設計，以氣壓連續推動油路方式，只需簡單接上空壓源，即可達成自動化且快速和高夾持力功能，也不需要三點組合來過濾水氣亦無漏油之虞。

本虎鉗有安全止逆裝置設計，當空壓源在低點或是停止時，有自動補壓及穩壓之功能，安全性極高。

人性化設計，只須手動開關控制虎鉗開關，開關速度只需1.5秒，夾持安全距離可達8mm，當然也可搭配自動化無人生產系統來做特殊設計。

同高定寸規格，可搭配多台並列使用(同一空壓源)；也可立、側、臥三用，本體六面磨光並預留壓板槽，不須治具板，即可直立加工。

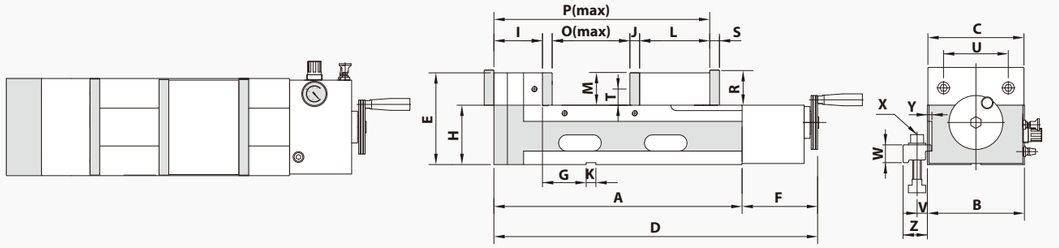
空壓源8kg/cm2之低壓源，即可達90KN之超高夾持力，而夾持力從0-90KN可藉由空壓調節閥自由調整設定。

首創獨特外鉗口設計，加大夾持範圍。

角固式(WELLOCK)半圓球可產生角固下鎖之力，可消除鉗口板上浮和工件傾斜。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60(80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	S	T	U	V	W	X	Y	Z	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																										
AMP-100(4")	320	100	98	445	145	125	45	100	85	15	18	105	45	-	100	200-300	55	20	22	60	17.5	33	M16x65L	8.5	43.5	32KN	32kg
AMP-150(5")	380	130	128	505	157	125	45	105	85	15	18	110	52	-	150	200-380	62	20	25	90	17.5	33	M16x65L	8.5	43.5	60KN	52kg
AMP-160(6")	400	160	158	525	160	125	45	105	87	15	18	120	55	-	160	210-400	62	20	25	90	16.5	33	M16x65L	9.5	42.5	60KN	58kg
AMP-165(6")	490	160	158	615	160	125	45	105	87	15	18	120	55	-	250	210-490	62	20	25	90	16.5	33	M16x65L	9.5	42.5	60KN	65kg
AMP-180(7")	460	180	178	585	170	125	72	110	90	18	18	130	60	-	200	220-460	70	20	28	120	15.5	33	M16x65L	12.5	39.5	90KN	75kg
AMP-200(8")	470	200	200	595	170	125	72	110	90	18	18	140	60	-	200	230-470	80	20	28	120	15.5	33	M16x65L	12.5	39.5	90KN	82kg
AMP-300(8")	570	200	200	695	170	125	72	110	90	18	18	140	60	-	300	230-570	80	20	28	120	15.5	33	M16x65L	12.5	39.5	90KN	93kg

AOM-200 *Workholding*

EXTENSION MC MECHANICAL POWER VISE
延長式 倍力增壓虎鉗

Extension MC Mechanical Power vise with large opening and Lockwell Anti-Lift Mechanism is most suitable for BMC & VMC & HMC. This vise owns 3 patents.

Force Adjustable System (patented) makes the force setting easier & steadier, moreover, it has constant pressure function & over pressure protection.

Mechanical Booster (patented) provides a steady clamping force and inside Disc-Spring to against shocks and vibrations while operation.

Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

This vise is suitable for huge or extension workpieces and can be matched.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

The stationary unit or power unit order is acceptable.

向量式(LOCKWELL)延長精密機械倍力增壓虎鉗，適用於龍門/立/臥式綜合銑切削加工中心機上使用，並有三項專利在案。

專利壓力調整機構讓虎鉗可隨時設定夾持壓力且有定壓與過壓保護裝置。

專利倍力增壓機構使夾持力穩定度高，對抗操作時所產生之震顫，並藉由內建之碟型彈簧(Disc-Spring)增加吸震功能。

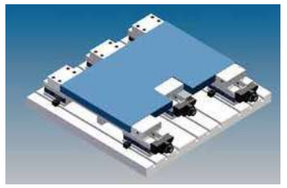
向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏向。

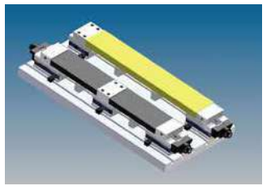
本產品非常適合超大工件或是超長工件並列使用。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60（80,000PSI）抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

頭部及尾部可分開購買。

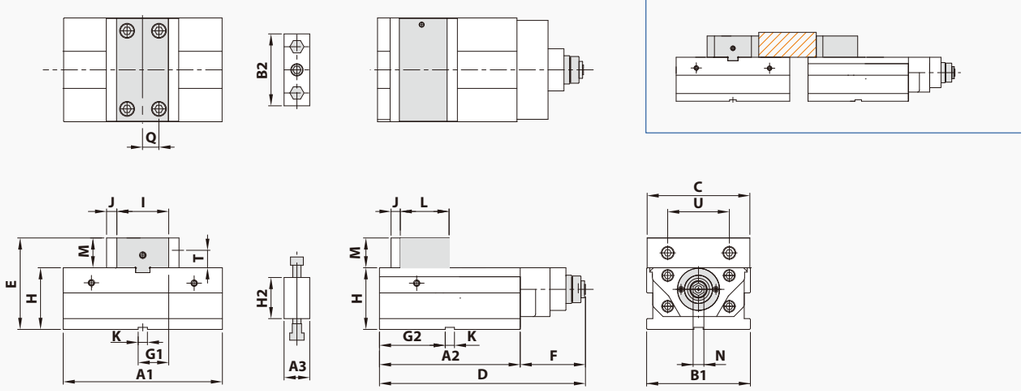
CLAMPING EXAMPLES 應用範例





DIMENSIONS 尺寸圖

* Min. jaw opening 158 ~ limit.
* 最小開口從158~極限。



ITEM NO.	A1	A2	A3	B1	B2	C	D	E	F	G1	G2	H	I	J	K	L	M	N	Q	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																						
AOM-200	210	270	50	202	140	199.5	398	178	128	59.5	126	120	101	18	18	95	58	19	31	29	120	50KN	95kg

ACB
055, 075, 125, 215, 325
PERMANENT MAGNETIC CLAMPING BLOCK ACB SERIES
磁性治具系統

Can do 5 Face Machining, Increase Suction, Improve Efficiency

1. The all new model Magnetic Clamping Block ACB Series are a new sense of clamping way for metal working on CNC Machining Center and Milling Machine in quick clamp workpieces. It can fit well with 5 face machining. You can do drilling、tapping、slotting in one time. Also reduce lots of steps, costs and improve efficiency

2. Free to set up position, numbers and distance of Magnetic Clamping Block according to the size of workpiece.

3. The ACB Series including changeable Induction Soft Block. It can be revised the surface to be 100% accuracy on the machine for clamp workpieces. Can be also cutting, drilling, tapping and slotting directly to the Induction Soft Block during machining workpiece. Multi-function of Induction Soft Block, the user can make it by themselves according to workpiece required.

1. Most suitable for medium and large size of workpiece machining on milling machine and CNC machining center.
2. Changeable Induction Soft Block can do multi-function clamping.
3. Minimum size of workpiece required as bigger than an area of two Magnetic Clamping Blocks.
4. The Magnetic Clamping Blocks are not suitable for small workpiece clamping.

五面加工、吸力增強、效率提升

1. 全新系列"開關永磁式工作台夾具系統"ACB系列，為一新的工作夾持概念，適用於立式及臥式大型龍門CNC綜合切削加工機即銑床，快速夾持工件，可做5面切削加工、鑽孔、攻牙、號溝槽一次完成，節省加工流程以降低過多加工程序之重複公差,並提高工作效率，大幅降低加工成本。

2. 可依工件大小調整磁力工作台之數量、位置及間距。

3. ACB系列附有替換式"導磁軟爪"，可於夾持工件加工前於機器上直接精修"導磁軟爪"，故無論機器是否精密，皆可做到百分百定位加工，"導磁軟爪"亦可於加工工件時直接鑽孔、攻牙或切溝，"導磁軟爪"之使用功能甚多，使用者可針對各種不同工件需求自行製作。

1. 適用於中、大型工件之切削加工。
2. 替換式導磁軟爪可做多功能之工件夾持加工。
3. 最小工件要求為，大於2台磁力工作台面積之工件。
4. 本磁力工作台不適用於小型工件之夾持加工。

STANDARD ACCESSORIES 標準附件



Handle x 1set
開關把手－1組



Clamping Jaw x 1set
導磁軟爪－1組



Guide Keys x 2set
導正鍵－1組

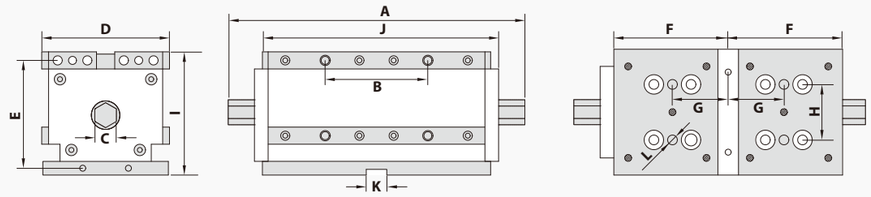


Switch Connector x 28
開關接頭－28



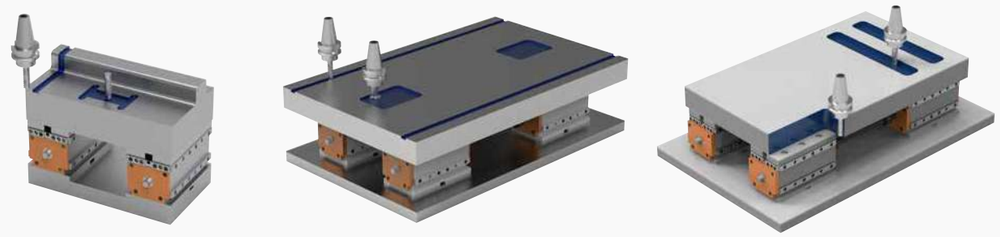
Induction soft block x 1set
檔板－1組

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	F=+0-0.03	G	H	I	I=+0-0.03	J	K	L	MINIMUM THICKNESS 最小工件厚度	HOLDING POWER 夾持力	WEIGHT 重量
														mm			
ACB-325	315	80	19	198	172	150	Customized	70	107	188	Customized	290	18	M12	40mm	3250kgf±5%	73kg
ACB-215	270	66	19	141	126	122.5	Customized	32	80	134	Customized	245	18	M12	30mm	2150kgf±5%	36kg
ACB-125	225	45	13	110	94.5	100	Customized	47.5	48.5	108	Customized	200	18	M10	20mm	1300kgf±5%	18kg
ACB-075	210	41	13	80	67	92.5	Customized	46.5	33	78	Customized	185	18	M8	15mm	750kgf±5%	9.5kg
ACB-055	165	30	13	80	67	70	Customized	32	33	78	Customized	140	18	M8	15mm	500kgf±5%	7kg

WORKING EXAMPLE 加工示範



"ON" POSITION
"ON"位置

Note:

1.Please always make sure the Switch was in ON position before machining.

2.The principle of Magnetic Clamping Blocks is magnetism of N.S. pose, so please always put the workpiece in the middle of top clamping range.

3.The Magnetic Clamping Blocks are not suitable for non-magnetic material, such as brass, copper, aluminum and stainless steel, etc. Minimum size of workpiece required as bigger than an area of two Magnetic Clamping Blocks.

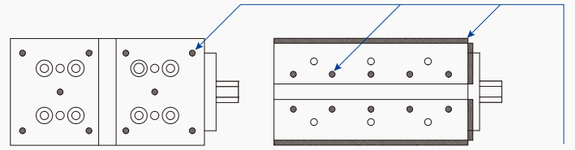
"OFF" POSITION
"OFF" 位置

注意事項:

1. 夾持工件加工前,請確認已轉至"ON"位置。

2.本磁力工作台之原理為磁極N.S轉換磁場,故 置放工件夾持時,請將工件放於磁力工作台兩側中間,如將工件放於單側,則工件無法持。

3.本磁力工作台不適用於小型工件之夾持加工， 或非導磁材料,如:銅、鋁、不鏽鋼及合金材料 ,其最小工件之要求為2台磁力工作台面積之工件。



The points are hardened up to HRC55 for keep the basic surface in precision.

虛線部分熱處理硬度HRC55度，
以保持基準面之精度。

PARTS 加工配件

Customer can be makes switch connector by standard hexagon steel bar themselves for depends on length required.
The dimension of hexagon bar required as ACB 215,325--19mm / ACB 125,075,055—13mm

磁性治具系統–永磁式工作台 ACB系列
客戶可依長短需求以現成六角棒自行製作連接桿 KACB-215,325--19MM 六角圓棒。







Maximum & Minimum distance required.
ACB-125,075,055--13MM 六角圓棒最大與最小間距要求:

ITEM NO.		ACB-325	ACB-325	ACB-325	ACB-325	ACB-325
SIDE DISTANCE 側邊間距	MAX 最大	100 mm	100 mm	60 mm	25 mm	25 mm
	SMALLEST 最小	1000 mm	1000 mm	600 mm	400 mm	400 mm
FRONT AND BACK DISTANCE 前後距離	MAX 最大	70 mm	70 mm	40 mm	40 mm	40 mm
	SMALLEST 最小	600 mm	500 mm	300 mm	200 mm	200 mm

Customer can be makes special induction blocks themselves for depends on the workpiece and application required.

導磁軟爪：客戶可依照工件形狀自行製作特殊軟爪
（可導磁材料皆可使用）

DOUBLE STATION VISE
雙鵰向量式虎鉗

CLAMPING FORCE EQUALIZATION & AUTOMATICALLY RETURN MECHANISM
夾持力自動補償機構&自動定位系統

Lockwell Double Station Vise increases the efficiency and productivity of CNC machine. Double station could clamp two dissimilar workpieces with same force at a time. For save time, movable jaw designed to automatically return to correct position. One of the movable jaws opened while the other one opened to the position you set. Moreover, double station could be change to single station to meet your enquiry by fixed one movable jaw. 6 different clamping positions. You could change the standard jaws into soft jaws to make your own vise.

雙鵰系列虎鉗擁有兩項專利，提高CNC設備的利用率並提升生產力。雙夾座可在同時以相同夾持力夾持兩個相同或不同尺寸之工件，達多件一致性的高精度；活動顎採用鬆開後自動定位裝置設計，操作鬆開時，其一活動顎會先稍微退開，待其定住後，另一活動顎才會退開。此外為因應工件尺寸不同之需求，此虎鉗更可變換為單夾座，僅需固定一端活動顎即可定位夾持大工件；夾持變化方式多達六種。可更換使用鋁製軟爪，訂做一個專供您模具使用的專屬虎鉗。

Double station could clamp two dissimilar workpieces with same force at a time and provides 6 different clamping positions.

Clamping Force Equalization (patented) ensures same clamping force to clamp two different size/shape workpieces.

Automatically Return Mechanism (patented) save the work change time.

Lockwell Anti-Lift Mechanism (patented) ensures the workpiece does not deflect and lift.

雙夾持機構：雙開口虎鉗可同時夾持兩個大小不同之工件，且提供六種不同夾持方式。

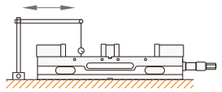
專利夾持力自動補償機構：此機構可同時夾持兩種不同大小或是形狀之工件，大大提升生產效率，另外，因為擁有自動補償(非同動裝置)之功能，兩工件是同時夾緊，所以雙開口雙夾持力是相同的。

專利自動定位機構：可節省鬆開工件及準備放置工件的寶貴時間。

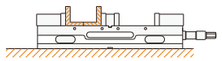
向量式防止上浮機構：當作業時，使其工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

STATIC ACCURACY
精度表

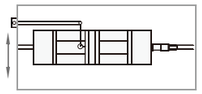
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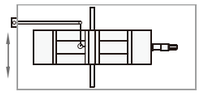
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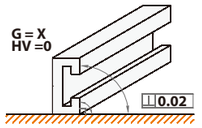
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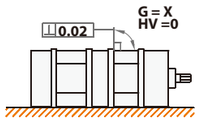
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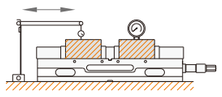
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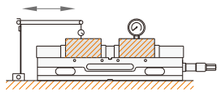
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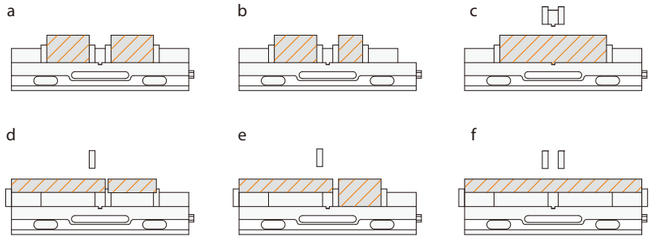
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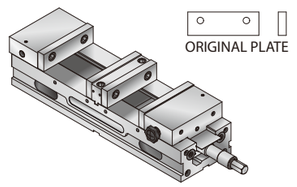
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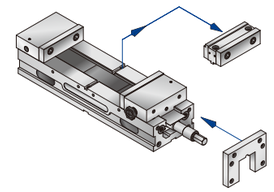


6 DIFFERENT CLAMPING POSITIONS
6種夾持方式示意



CHANGE SAMPLE OF STATION
夾持座變換





Using the current vise opening when the workpiece dimension is between 0-125mm & 0-90mm.

現有之兩夾持座分別可夾持0-125mm及0-90mm之工件

Taking out the fixed jaw and insert a movable plate (tighten by 6pcs screws) when the workpiece dimension is between 125-315mm (4.98"-12.3").

移除固定顎後，裝上活動板(需鎖上6支螺絲以固定)固定一活動顎，即可使用另一活動顎夾持125-135㎜之工件。

DOUBLE CLAMP VISE SYSTEM
雙鵰虎鉗

(mm)

NO.	INSPECTION ITEMS (PER 100 MM) 檢查項目 (每100mm)		ALLOWANCE 容許值	
			AUTOWELL	JIS. CLASS
1	PARALLELISM	Running face to bottom of bed 本台滑動面對底面之平行度	0.01	0.015
2	SQUARENESS	Between running face and jaw plate 鉗口面對滑動面之垂直度	0.01	0.03
3	SQUARENESS	Keyways on bottom of bed to jaw plate 鉗口面對本台底面T型槽之垂直度	0.015	0.02
4	PARALLELISM	Keyways on bottom of bed to jaw plate 鉗口面對本台底面T型槽之平行度	0.01 Ⓐ	0.02
5	SQUARENESS	Both sides to running face 雙側面對滑動面之垂直度	0.02	0.02
6	SQUARENESS	Both sides to fixed jaw plate 雙側面對固定鉗口面之垂直度	0.02	0.02
7	PARALLELISM	Running face of the test block to bottom of bed 測試塊夾緊後，滑動面對本台底面之平行度	0.015	0.02
8	PARALLELISM	Lift can be controled when clamping test 測試塊夾緊後，對本台底面之上浮量	0.015	0.03

Basic on global market, our company start producing MC serious type of vise on 1986 and we keep our vise dimensions as same since then. There is no fitment or alignment problem between our old and new MC vise.

同高定寸：針對全球市場，本公司於1986年開始生產MC系列虎鉗，並全部保持一致尺寸；
讓您不論是在過去、現在或未來所購買的MC系列虎鉗均可多台並列使用。

Ⓐ * For total jaw height * 鉗口總高

TLD-40, 60G/HV

Workholding

NEW LOCKWELL DOUBLE STATION VISE

新型 雙鵰式虎鉗

Double station could clamp two dissimilar workpieces with same force at a time and provides 6 different clamping positions.

Clamping Force Equalization (patented) ensures same clamping force to clamp two different size/shape workpieces and avoid deflection and lift.

Lockwell Anti-Lift Mechanism (patented) & Automatically Return Mechanism (patented) ensures the workpiece does not deflect and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

Unique design facilitates the evacuation of chips.

U.S.A. patented.

雙夾持機構-雙開口可自由調整並同時夾持兩個大小不同之工件，且提供六種不同夾持方式。

專利夾持力自動補償機構與自動開口定位機構使其在同時夾持相同或是不相同工件時夾持力相同，防止工件變形與傾斜。

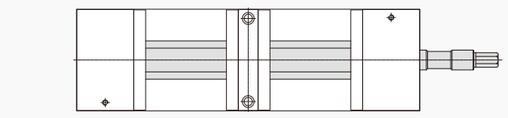
向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

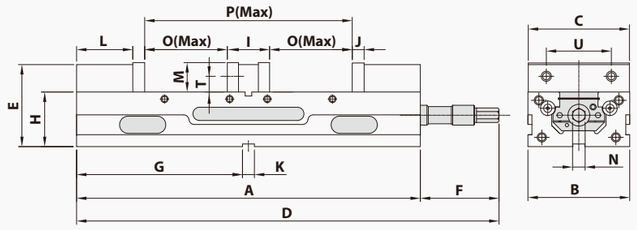
虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60(80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

獨特防屑設計，防止鐵屑進入虎鉗內部，延長使用期限。

擁有美國專利認證。

DIMENSIONS 尺寸圖





ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	T	U	WEIGHT 重量
																		mm	
TLD-40G/HV	405	104	102	459	96.5	54	27.5	63.5	55	15	18	69	38	14	90	235	17.5	63.5	20kg
TLD-60G/HV	520	154	152	536	124.05	16	33	82.55	66	18	18	86.5	44.5	19	125	316	23.8	98.4	52kg

ALD-60G/HV

Workholding

LOCKWELL DOUBLE STATION VISE

雙鵰式虎鉗

Double station could clamp two dissimilar workpieces with same force at a time and provides 6 different clamping positions.

Clamping Force Equalization (patented) ensures same clamping force to clamp two different size/shape workpieces and avoid deflection and lift.

Lockwell Anti-Lift Mechanism (patented) & Automatically Return Mechanism (patented) ensures the workpiece does not deflect and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body.

Slide surface flame hardened to HS65° to maintain the accuracy.

S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

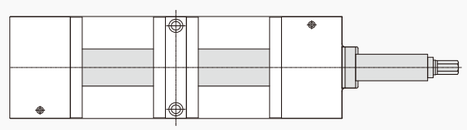
雙夾持機構-雙開口可自由調整並同時夾持兩個大小不同之工件，且提供六種不同夾持方式。

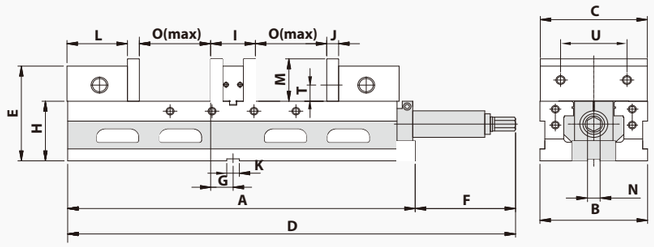
專利夾持力自動補償機構與手動開口定位機構使其在同時夾持相同或是不相同工件時夾持力相同，防止工件變形與傾斜。

向量式(LOCKWELL)專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60 (80,000PSI) 抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

DIMENSIONS 尺寸圖





ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
																	mm	
ALD-60G/HV	497	154	152	610	143	113	32	90	64	17	18	86.5	58	19	34-102	32	95	63.5kg

HLD-60G/HV

Workholding

LOCKWELL SELF-CENTERING MACHINE VISE
同動求心虎鉗

Lockwell Self-Centering Vise is most suitable for VMC & HMC.

Tolerance of center of workpiece clamp position and vise body within ±0.015mm.

Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not deflect and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

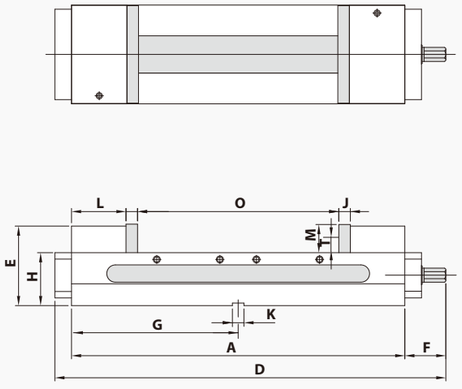
同動求心虎鉗適用於立臥式CNC銑床之精密加工。

工件夾持與本台中心位置公差±0.015mm以內。

向量式防止上浮機構，當作業時，使其工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60(80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	T	U	WEIGHT 重量
																mm	
HLD-60G/HV	520	154	152	610	124.05	64	260	82.55	18	18	86.5	44.5	19	58~314	23.8	98.4	52kg

ALT-100 Series

Workholding

WELLOCK 5 AXIS MACHINE VISE
雙鎖式 求心精密虎鉗

ALT is designed for 5 axis machine center. It provides higher structure to dodge interference of spindle. Prevent the workpiece loose from machining vibration. Anti-Lift mechanism ensures workpiece does not lift. Both jaws can move in the same time to shorten the distance.

Fit well with 5 Axis MC machine center, horizontal and vertical machine center. It can work with rotary machine and related machine.

Welllock Semi-spherical segment eliminate deflection and lift.

Rigid and tensile ductile iron FCT-60(80,000PSI) vise body.

Slide surface flame hardened to maintain the accuracy and precision.

Tolerance of center of workpiece clamp position andc vise body within ±0.015mm.

ALT是專為第五軸加工機設計，採用加高迴避主軸干涉及防止加工中震動夾持鬆脫設計，固鎖式原理防止工件上浮，雙動方式快速縮短移動距離。

ALT適合5軸MC工作台，直立式MC，臥式MC及搭配圓盤加工機和相關機台

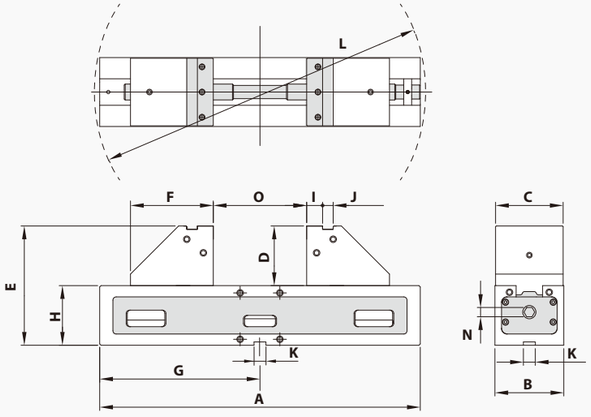
角固式(WELLOCK)半圓球可產生角固下鎖之力，可消除鉗口板上浮和工件傾斜。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60抗張力強，不易變形。

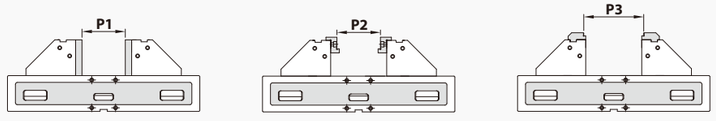
本台滑動面均經高週波硬化熱處理，強化滑動面的耐磨性與精度。

工件夾持與本台中心位置公差±0.015mm以內。

DIMENSIONS 尺寸圖



* 4 different clamping positions. * 提供您選擇三種不同夾持方式。



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	N	O	P1	P2	P3	CLAMPING FORCE 夾持力	WEIGHT 重量
																	mm		
ALT-100S	280	104	102	90	180	125	140	90	24	16	18	300	14	0-30	-	-	10-40	20KN	17kg
ALT-100M	324	104	102	90	180	125	162	90	24	16	18	350	14	0-74	0-44	12-44	10-84	20KN	20kg
ALT-100L	484	104	102	90	180	125	242	90	24	16	18	500	14	10-232	0-200	12-200	10-210	20KN	30kg

ALT-75 Series

Workholding

WELLOCK 5 AXIS MACHINE VISE
雙鎖式 求心精密虎鉗

ALT is designed for 5 axis machine center. It provides higher structure to dodge interference of spindle. Prevent the workpiece loose from machining vibration. Anti-Lift mechanism ensures workpiece does not lift. Both jaws can move in the same time to shorten the distance.

Semi-spherical segment eliminate lifting while machining.

Ductile iron SKS3 rigid and tensile vise body.

Slide surface flame hardened to maintain the accuracy.

Tolerance of center of workpiece clamp position and vise body within 0.01mm.

ALT是專為第五軸加工機設計，採用加高迴避主軸干涉及防止加工中震動夾持鬆脫設計，固鎖式原理防止工件上浮，雙動方式快速縮短移動距離。

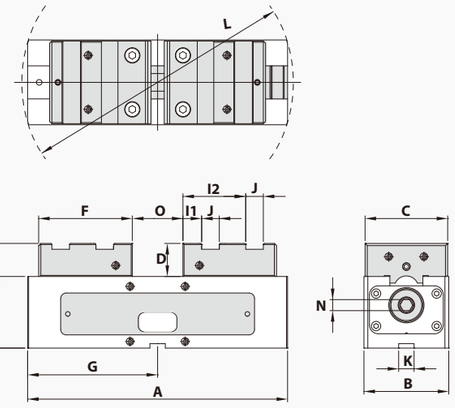
角固式半圓球可產生角固下鎖之力，防止工件上浮及偏斜。

虎鉗本台使用強而有力的**SKS3工具鋼**，抗張力強，不易變形。

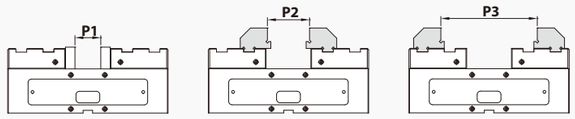
本台滑動面均經高週波硬化熱處理，強化滑動面的耐磨性與精度。

工件夾持與本台中心位置公差0.01mm以內。

DIMENSIONS 尺寸圖



* 4 different clamping positions. * 提供您選擇三種不同夾持方式。



ITEM NO.	A	B	C	D	E	F	G	H	I1	I2	J	K	L	N	O	P1	P2	P3	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																			
ALT-75S	196	77	75	30	95	85	98	65	17	57	16	14	210	10	30	-	26	106	20KN	8kg
ALT-75M	236	77	75	30	95	85	118	65	17	57	16	14	250	10	70	40	66	146	20KN	10kg

ACT-120

Workholding

WELLOCK 5 AXIS MACHINE VISE
求心精密虎鉗



Fit well with 5 Axis MC machine center, horizontal and vertical machine center. It can work with rotary machine and related machine.

Vise body is made of alloy steel. Slide surface flame hardened to HS65° to maintain the accuracy.

Superior tool steel SCM440 jaw-plate has been carburizing heat treated the gardness to HRC54°.

Slide surface flame hardened to maintain the accuracy and precision.

Tolerance of center of workpiece clamp position andc vise body within +-0.005mm.

ACT適合5軸MC工作台，直立式MC，臥式MC及搭配圓盤加工機和相關機台

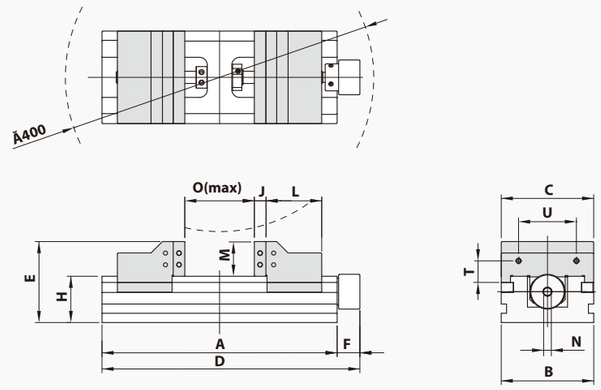
虎鉗本體材質為合金鋼，本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度

鉗口使用高級工具鋼(SCM440),再經滲碳熱處理使其硬度達HRC54°以上。

本台滑動面均經高週波硬化熱處理，強化滑動面的耐磨性與精度。

工件夾持與本台中心位置公差+-0.005mm以內。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
	mm																	
ACT-120G	305	120	119.8	335	105	30	0	60	0	15	0	72	45	10	130	20	75	20kg

ALV-075, 125

Workholding

WELLOCK
5 AXIS
MACHINE VISE
求心精密虎鉗

Fit well with 5 Axis MC machine center, horizontal and vertical machine center. It can work with rotary machine and related machine.

Vise body is made of steel SCM440. It has been carburizing heat treated to maintain the accuracy and precision.

Double-sided serrated jaws, clamping edge is required to be 3 mm, to save a lot material.The accuracy of repeatability within ±0.015mm.

Superior tool steel SCM440 jaw-plate has been carburizing heat treated the gardness to HRC54°for excellent stability.

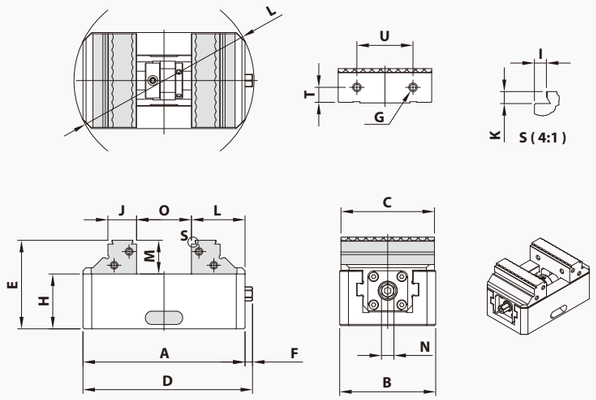
本虎鉗機身適合5軸MC工作台，直立式MC，臥式MC及搭配圓盤加工機和相關機台.

本台使用強而有力的SCM440工具鋼且經過滲碳處理，抗張力強，不易變形,耐磨性與精度堅固耐用的錶殼堅固耐用，使用壽命長.

本虎鉗具有雙面固定的鋸齒鉗口,鋸齒夾持邊緣要求為3 mm，可確保理想的夾持工件並節省大量材料且重複求中心精度±0.015mm.

鉗口使用高級工具鋼(SCM440),再經滲碳熱處理使其硬度達HRC54°以上,具有最大的穩定性.

DIMENSIONS 尺寸圖







ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
																	mm	
ALV-075S	102	77	75	104	71	2	M6	38	3	15	3	43	27	10	17	20	45	2.5kg
ALV-075M	130	77	75	136	71	6	M6	38	3	15	3	43	27	10	45	20	45	3kg
ALV-075L	170	77	75	176	71	6	M6	38	3	15	3	43	27	10	85	20	45	3.5kg
ALV-075XL	210	77	75	216	71	6	M6	38	3	15	3	43	27	10	125	20	45	4.5kg
ALV-125S	160	125	124	164	89	4	M6	57	3	15	3	47	32	14	66	23	90	8.5kg
ALV-125SM	210	125	124	214	89	4	M6	57	3	15	3	47	32	14	116	23	90	10.5kg
ALV-125SL	260	125	124	264	89	4	M6	57	3	15	3	47	32	14	166	23	90	12.5kg
ALV-125SXL	310	125	124	314	89	4	M6	57	3	15	3	47	32	14	216	23	90	14.5kg

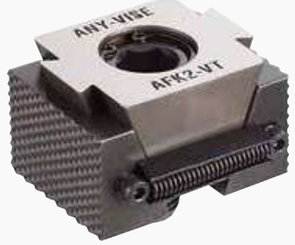
CLAMPING UNIT
虎鉗單元

new! PATENTED

The Any-Vise® is the best cost efficient for your machining process.
Any-Vise® also apply balanced workholding pressure on the any work piece.
Easiest, Convenient, Strongest and Accurate for the Any-Vise®.

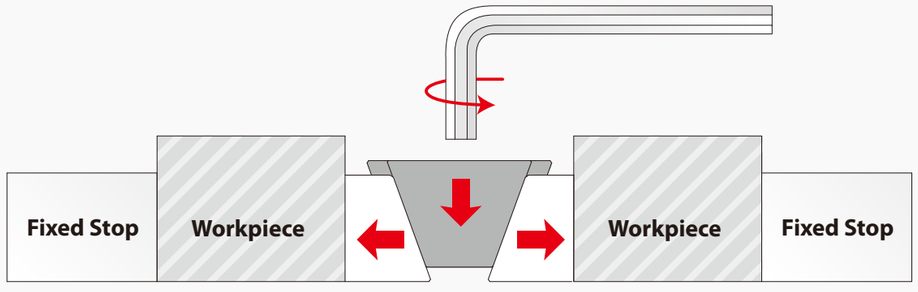
Any-Vise® 是您加工過程中最具成本效益的。
Any-Vise® 還可以在任何工件上施加均衡的工件夾持壓力。
Any-Vise® 最簡單，便捷，最強大和最準確。

AFK **ADK** **ABK**







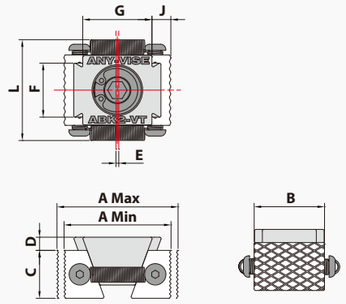


SERRATION-VISE 鋸齒夾鉗

ABK2-VT



DIMENSIONS 尺寸圖

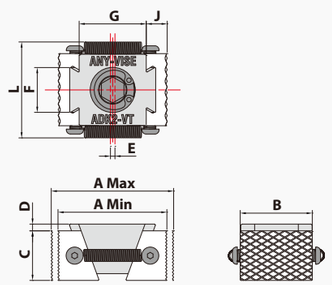


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	J	L	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
											mm				
ABK2-VT	38	40	42	25.4	17.3	5.5	1	19.3	25.6	7.8	40.5	M8x1.25P-20L	25KN	52-56	80g

ADK2-VT

DIMENSIONS 尺寸圖



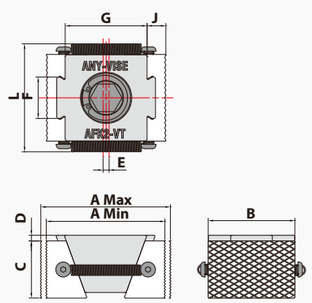


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	J	L	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
											mm				
ADK2-VT	44	46	48	32.5	22.5	9	2	19.8	30	9.8	46.5	M12x1.75P-25L	65KN	52-56	200g

AFK2-VT

DIMENSIONS 尺寸圖

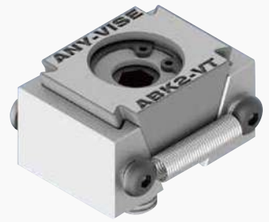




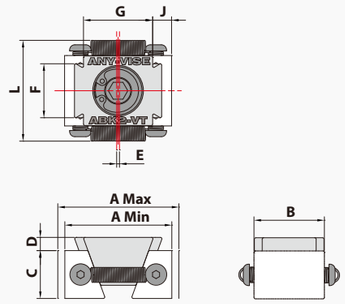
ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	J	L	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
											mm				
AFK2-VT	58	60	63.6	44.5	29.5	6.6	3	19.5	42.6	10	60.5	M16 x 2P-40L	110KN	52-56	550g

SMOOTH-VISE 平面夾鉗

ABK2-SO



DIMENSIONS 尺寸圖

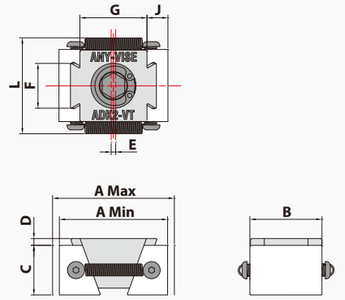


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	J	L	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
											mm				
ABK2-SO	36	38	40	25.4	17.3	7.4	1	19.3	25.6	7.8	40.5	M8 x 1.25P-20L	25KN	52-56	80g

ADK2-SO

DIMENSIONS 尺寸圖



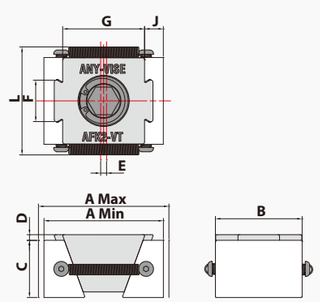


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	J	L	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
											mm				
ADK2-SO	42	44	48	32.5	22.5	9	2	19.8	30	9.8	46.5	M12 x 1.75P-25L	65KN	52-56	200g

AFK2-SO

DIMENSIONS 尺寸圖





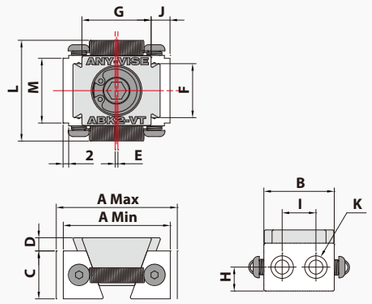
ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	J	L	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
											mm				
AFK2-SO	56	58	61.6	44.5	29.5	6.6	3	19.5	42.6	10	60.5	M16 x 2P-40L	110KN	52-56	550g

ADDITIONAL PIECE-VISE 應用夾鉗

ABK2-VT-T



DIMENSIONS 尺寸圖

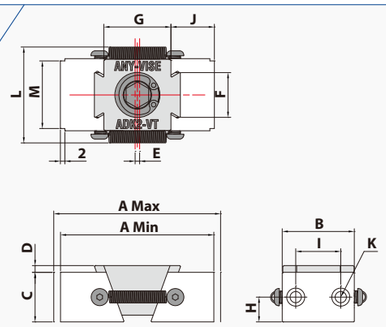


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	H	I	J	K	L	M	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
															mm				
ABK2-VT-T-T	50	52	54	25.4	17.3	7.4	1	19.3	25.6	8.5	12	11.5	M5	40.5	23	M8 x 1.25P-20L	25KN	52-56	80

ADK2-VT-T



DIMENSIONS 尺寸圖

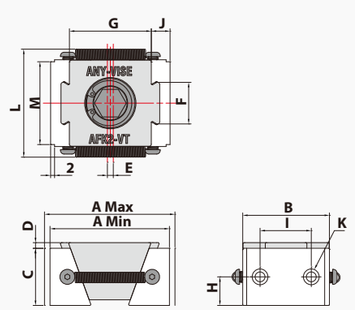


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	H	I	J	K	L	M	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
															mm				
ADK2-VT-T	67	69	71	32.5	22	9	2	19.8	30	11	20	9.8	M5	46.5	30	M12x1.75P-25L	65KN	52-56	180

AFK2-VT-T



DIMENSIONS 尺寸圖

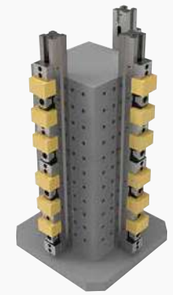


ITEM NO.	Min	Optimum	Max	B	C	D	E	F	G	H	I	J	K	L	M	METRIC BLOT 公差	PRESSING FORCE 夾持力	HARDNESS HRC HRC 硬度	WEIGHT 重量
															mm				
AFK2-VT-T	56	58	61.6	44.5	29.5	6.6	3	19.7	42.6	14.5	26	10	M5	60.5	42	M16 x 2P-40L	110KN	52-56	500

GRID APPLICATION 夾鉗應用









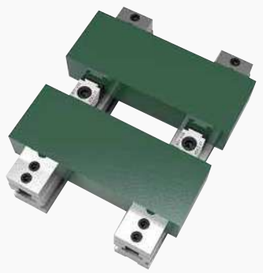


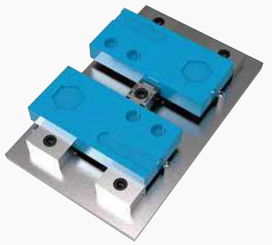










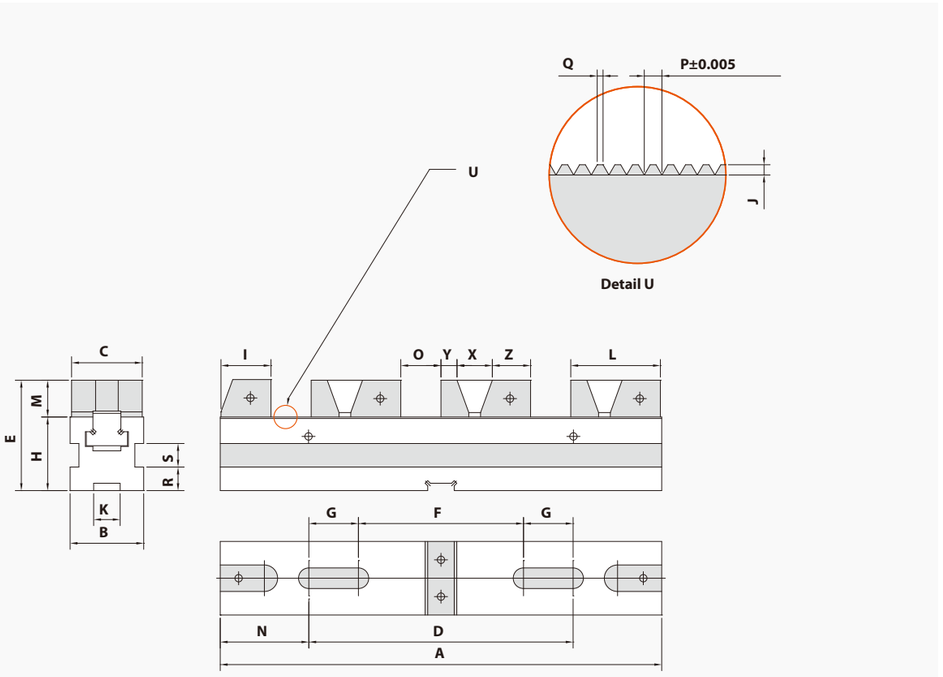




ALG
50, 72, 100

ALG
FLEXIBLE ANY-JIG
ALG 活動虎鉗

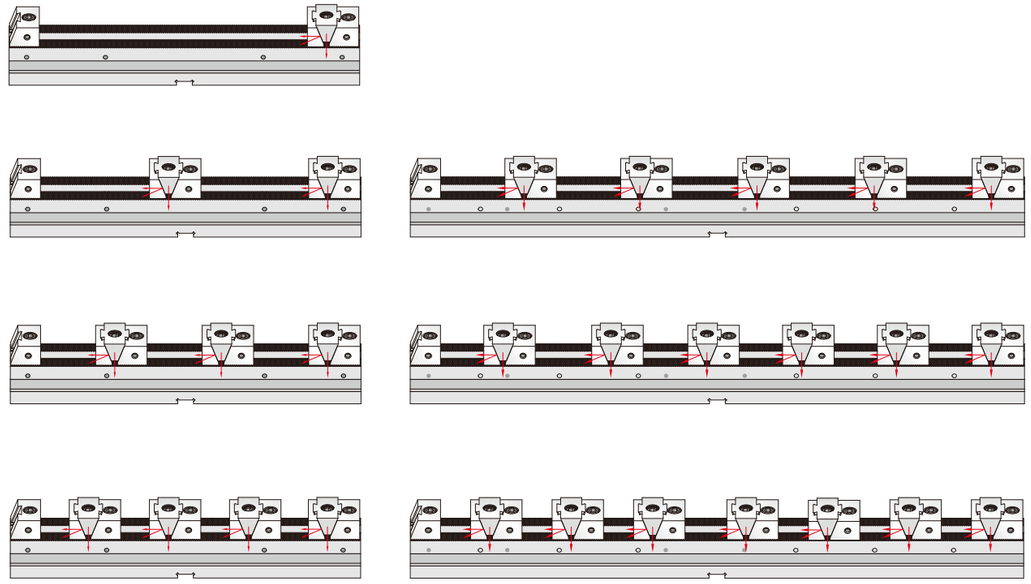
DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	X	Y	Z	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																							
ALG-5030	300	50	48	200	75	160	20	50	32	0.87	18	58.5	25	50	30	1.5	0.5	16	16	24	10.7	26	1000kgf	6.5
ALG-5040	400	50	48	200	75	160	20	50	32	0.87	18	58.5	25	100	32.6	1.5	0.5	16	16	24	10.7	26	1000kgf	8.5
ALG-5050	500	50	48	200	75	160	20	50	32	0.87	18	58.5	25	150	57.6	1.5	0.5	16	16	24	10.7	26	1000kgf	10
ALG-5060	600	50	48	200	75	160	20	50	32	0.87	18	58.5	25	200	82.6	1.5	0.5	16	16	24	10.7	26	1000kgf	11
ALG-5065	650	50	48	200	75	160	20	50	32	0.87	18	58.5	25	225	95.1	1.5	0.5	16	16	24	10.7	26	1000kgf	13
ALG-7240	400	72	70	200	112	160	20	72	43	1.13	18	77.4	40	100	13.8	2	0.7	16	16	36	11.4	30	2000kgf	20
ALG-7250	500	72	70	200	112	160	20	72	43	1.13	18	77.4	40	150	38.8	2	0.7	16	16	36	11.4	30	2000kgf	23
ALG-7260	600	72	70	200	112	160	20	72	43	1.13	18	77.4	40	200	63.8	2	0.7	16	16	36	11.4	30	2000kgf	26.5
ALG-7265	650	72	70	200	112	160	20	72	43	1.13	18	77.4	40	225	76.3	2	0.7	16	16	36	11.4	30	2000kgf	29.5
ALG-10040	400	100	98	200	115	160	20	72	43	1.3	18	89.5	43	100	29.3	2.5	1	16	16	42	13.4	34.2	3000kgf	27.5
ALG-10050	500	100	98	200	115	160	20	72	43	1.3	18	89.5	43	150	25.2	2.5	1	16	16	42	13.4	34.2	3000kgf	34.5
ALG-10060	600	100	98	200	115	160	20	72	43	1.3	18	89.5	43	200	50.2	2.5	1	16	16	42	13.4	34.2	3000kgf	38.5
ALG-10065	650	100	98	200	115	160	20	72	43	1.3	18	89.5	43	225	62.7	2.5	1	16	16	42	13.4	34.2	3000kgf	42.5

ALG CLAMPING FUNCITON
ALG 虎鉗功能

DIREECTION OF FORCE 作用力方向



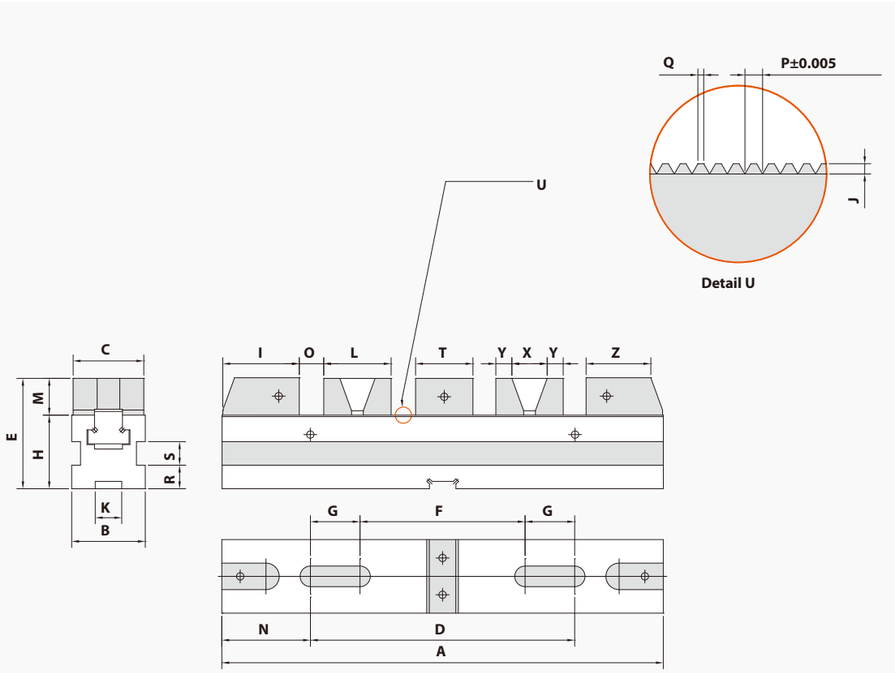
MAXIMUM WIDTH OF THE WORKPIECES WHICH CAN BE CLAMPED 最大夾持工件寬度

ITEM NO.	1 WORKPIECE 1 個工件	2 WORKPIECE 2 個工件	3 WORKPIECE 3 個工件	4 WORKPIECE 4 個工件	5 WORKPIECE 5 個工件	6 WORKPIECE 6 個工件
ALG-5030	207	72.2	30	--	--	--
ALG-5040	307	124.2	63.3	32.6	14.6	--
ALG-5050	407	174.2	96.6	57.6	34.6	19
ALG-5060	507	224.2	130	82.6	54.6	35.7
ALG-5065	557	249.2	146.7	95.1	64.6	44
ALG-7240	280.8	102.8	43.5	13.8	--	--
ALG-7250	380.8	152.8	76.8	38.8	16	--
ALG-7260	480.8	202.8	110.1	63.8	36	17.5
ALG-7265	530.8	227.8	126.8	76.3	46	25.8
ALG-10040	262.7	86.7	29.3	--	--	--
ALG-10050	362.7	137.7	62.7	25.2	--	--
ALG-10060	462.7	187.7	96	50.2	22.7	--
ALG-10065	512.7	212.7	112.7	62.7	32.7	12.7

BLG
50, 72, 100

BLG
FLEXIBLE ANY-JIG
BLG 活動虎鉗

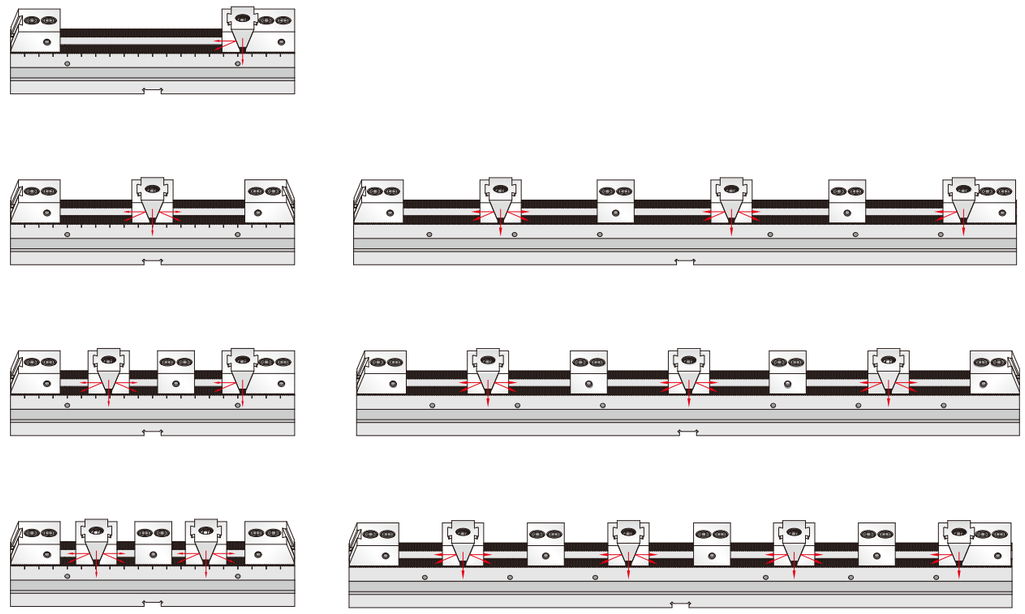
DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	X	Y	Z	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																								
BLG-5030	300	50	48	200	75	160	20	50	52	0.87	18	43.3	25	50	17.4	1.5	0.5	16	16	39	24	10.7	44	1000kgf	6.5
BLG-5040	400	50	48	200	75	160	20	50	52	0.87	18	43.3	25	100	42.4	1.5	0.5	16	16	39	24	10.7	44	1000kgf	8
BLG-5050	500	50	48	200	75	160	20	50	52	0.87	18	43.3	25	150	67.4	1.5	0.5	16	16	39	24	10.7	44	1000kgf	9.5
BLG-5060	600	50	48	200	75	160	20	50	52	0.87	18	43.3	25	200	92.4	1.5	0.5	16	16	39	24	10.7	44	1000kgf	11
BLG-5065	650	50	48	200	75	160	20	50	52	0.87	18	43.3	25	225	104.9	1.5	0.5	16	16	50	24	10.7	44	1000kgf	11.5
BLG-7240	400	72	70	200	112	160	20	72	66	1.13	18	56.7	40	100	26.7	2	0.7	16	16	50	36	11.4	53	2000kgf	19
BLG-7250	500	72	70	200	112	160	20	72	66	1.13	18	56.7	40	150	51.7	2	0.7	16	16	50	36	11.4	53	2000kgf	22
BLG-7260	600	72	70	200	112	160	20	72	66	1.13	18	56.7	40	200	76.7	2	0.7	16	16	50	36	11.4	53	2000kgf	24.5
BLG-7265	650	72	70	200	112	160	20	72	66	1.13	18	56.7	40	225	89.2	2	0.7	16	16	50	36	11.4	53	2000kgf	26
BLG-10040	400	100	98	200	115	160	20	72	70	1.3	18	66.5	43	100	19.2	2.5	1	16	16	50	42	13.4	56.2	3000kgf	28
BLG-10050	500	100	98	200	115	160	20	72	70	1.3	18	66.5	43	150	44.2	2.5	1	16	16	50	42	13.4	56.2	3000kgf	28
BLG-10060	600	100	98	200	115	160	20	72	70	1.3	18	66.5	43	200	69.2	2.5	1	16	16	50	42	13.4	56.2	3000kgf	35.5
BLG-10065	650	100	98	200	115	160	20	72	70	1.3	18	66.5	43	225	81.7	2.5	1	16	16	50	42	13.4	56.2	3000kgf	38

BLG CLAMPING FUNCITON
BLG 虎鉗功能

DIREECTION OF FORCE 作用力方向



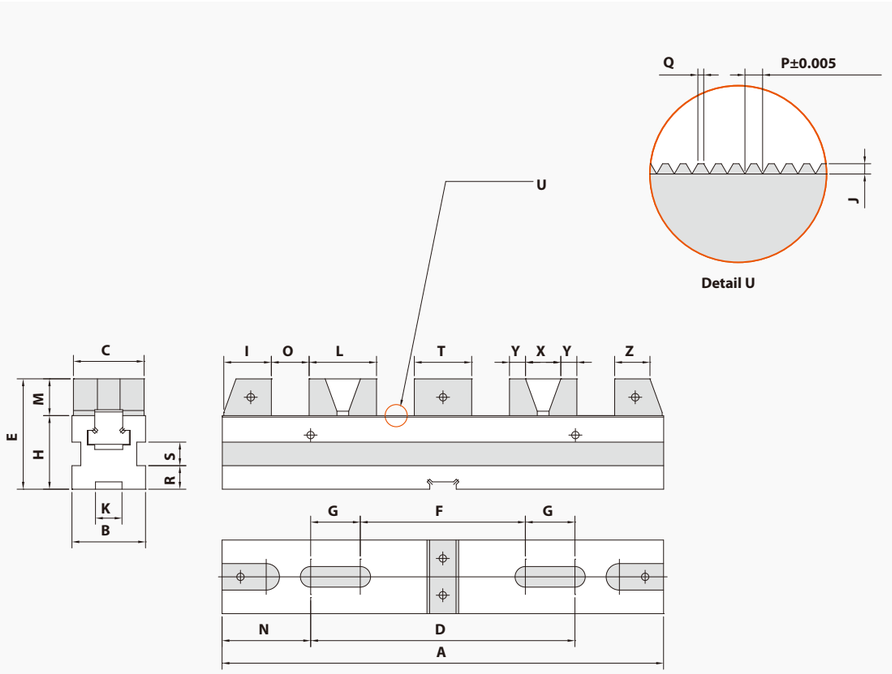
MAXIMUM WIDTH OF THE WORKPIECES WHICH CAN BE CLAMPED 最大夾持工件寬度

ITEM NO.	1 WORKPIECE 1 個工件	2 WORKPIECE 2 個工件	3 WORKPIECE 3 個工件	4 WORKPIECE 4 個工件	5 WORKPIECE 5 個工件	6 WORKPIECE 6 個工件
BLG-5030	171	75.7	29.6	17.4	—	—
BLG-5040	271	125.7	63	42.4	21.3	14.5
BLG-5050	371	175.7	96.3	67.4	41.3	31.1
BLG-5060	471	225.7	129.6	92.4	61.3	47.8
BLG-5065	521	250.7	146.3	104.9	71.3	56.1
BLG-7240	236.8	106.7	43.4	26.7	—	—
BLG-7250	336.8	156.7	76.7	51.7	24.7	16.7
BLG-7260	436.8	206.7	110.0	76.7	44.7	33.3
BLG-7265	486.8	2317	126.7	89.2	54.7	41.6
BLG-10040	220.7	96.7	34.7	19.2	—	—
BLG-10050	320.7	146.7	68.0	44.2	17.5	10
BLG-10060	420.7	196.7	101.4	69.2	37.5	26.7
BLG-10065	470.7	221.7	118.1	81.7	47.5	35

ELG
50, 72, 100

ELG
FLEXIBLE ANY-JIG
ELG 活動虎鉗

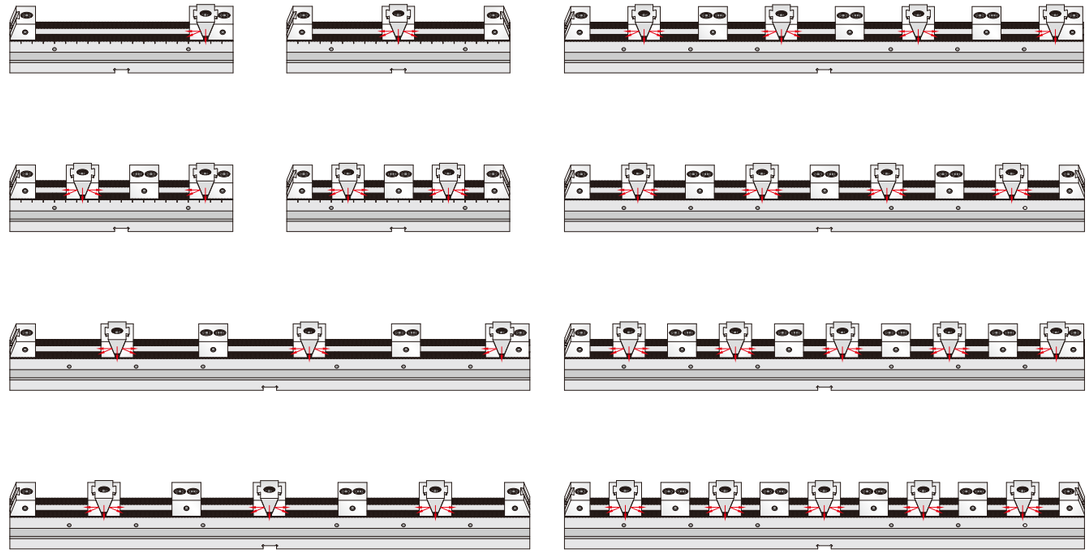
DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	X	Y	Z	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																								
ELG-5030	300	50	48	200	75	160	20	50	34	0.87	18	43.3	25	50	26.4	1.5	0.5	16	16	39	24	10.7	26	1000kgf	6.5
ELG-5040	400	50	48	200	75	160	20	50	34	0.87	18	43.3	25	100	51.4	1.5	0.5	16	16	39	24	10.7	26	1000kgf	7.5
ELG-5050	500	50	48	200	75	160	20	50	34	0.87	18	43.3	25	150	76.4	1.5	0.5	16	16	39	24	10.7	26	1000kgf	9
ELG-5060	600	50	48	200	75	160	20	50	34	0.87	18	43.3	25	200	101.4	1.5	0.5	16	16	39	24	10.7	26	1000kgf	10
ELG-5065	650	50	48	200	75	160	20	50	34	0.87	18	43.3	25	225	113.9	1.5	0.5	16	16	50	24	10.7	26	1000kgf	10.5
ELG-7240	400	72	70	200	112	160	20	72	43	1.13	18	56.7	40	100	37.7	2	0.7	16	16	50	36	11.4	30	2000kgf	17
ELG-7250	500	72	70	200	112	160	20	72	43	1.13	18	56.7	40	150	62.7	2	0.7	16	16	50	36	11.4	30	2000kgf	20.5
ELG-7260	600	72	70	200	112	160	20	72	43	1.13	18	56.7	40	200	87.7	2	0.7	16	16	50	36	11.4	30	2000kgf	23
ELG-7265	650	72	70	200	112	160	20	72	43	1.13	18	56.7	40	225	100.2	2	0.7	16	16	50	36	11.4	30	2000kgf	24
ELG-10040	400	100	98	200	115	160	20	72	48	1.3	18	66.5	43	100	29.5	2.5	1	16	16	50	42	13.4	34.2	3000kgf	26.5
ELG-10050	500	100	98	200	115	160	20	72	48	1.3	18	66.5	43	150	54.5	2.5	1	16	16	50	42	13.4	34.2	3000kgf	39.5
ELG-10060	600	100	98	200	115	160	20	72	48	1.3	18	66.5	43	200	79.5	2.5	1	16	16	50	42	13.4	34.2	3000kgf	33.5
ELG-10065	650	100	98	200	115	160	20	72	48	1.3	18	66.5	43	225	92	2.5	1	16	16	50	42	13.4	34.2	3000kgf	35.5

ELG CLAMPING
FUNCITON
ELG 虎鉗功能

DIREECTION OF FORCE 作用力方向



MAXIMUM WIDTH OF THE WORKPIECES WHICH CAN BE CLAMPED 最大夾持工件寬度

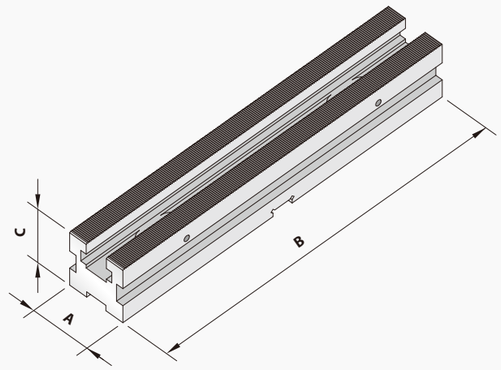
ITEM NO.	1 WORKPIECE 1 個工件	2 WORKPIECE 2 個工件	3 WORKPIECE 3 個工件	4 WORKPIECE 4 個工件	5 WORKPIECE 5 個工件	6 WORKPIECE 6 個工件
ELG-5030	207	93.9	41.6	26.4	—	—
ELG-5040	307	143.9	74.9	51.4	28.5	20.5
ELG-5050	407	193.9	108.2	76.4	48.5	37.2
ELG-5060	507	243.9	141.6	101.4	68.5	53.9
ELG-5065	557	268.9	149.9	113.9	78.5	62.2
ELG-7240	280.8	128.7	58	37.7	13.5	—
ELG-7250	380.8	178.7	91.4	62.7	33.5	23.9
ELG-7260	480.8	228.7	124.7	87.7	53.5	40.6
ELG-7265	530.8	253.7	141.4	100.2	63.5	48.9
ELG-10040	262.7	117.2	48.7	29.5	—	—
ELG-10050	362.7	167.2	82.1	54.5	25.9	16.8
ELG-10060	462.7	217.2	115.4	79.5	45.9	33.5
ELG-10065	512.7	242.2	132.1	92.	55.9	41.8

OPTIONAL ACCESSORIES

虎鉗配件



STATIONARY WEDGE-HEAVY DUTY 固定夾塊

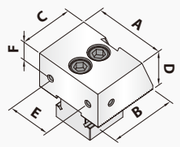


ITEM NO.	A	B	C	WEIGHT 重量
			mm	
3ALG510101	50	300	50	4 kg
3ALG510102	50	400	50	5 kg
3ALG510103	50	500	50	6.5 kg
3ALG510104	50	600	50	8 kg
3ALG510105	50	650	72	9 kg
3ALG710102	72	400	72	11 kg
3ALG710103	72	500	72	14 kg
3ALG710104	72	600	72	17 kg
3ALG710105	72	650	72	19 kg
3ALG1010102	100	400	72	17 kg
3ALG1010103	100	500	72	20 kg
3ALG1010104	100	600	72	23.5 kg
3ALG1010105	100	650	72	26 kg

3 ALG 53104

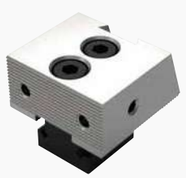


STATIONARY WEDGE-HEAVY DUTY 固定夾塊

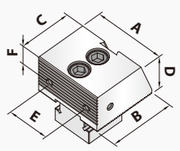


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ALG53104	48	52	44	25.44	30	12.5	0.5 kg
3ALG73104	70	66	52	40.52	44	21.3	1.7 kg
3ALG103104	98	70	56.2	43.45	64	22	2.7 kg

3 ABG 53104

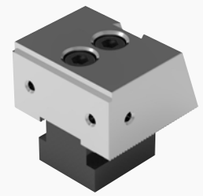


SERRATED STATIONARY WEDGE-HEAVY DUTY 鋸齒型固定夾塊

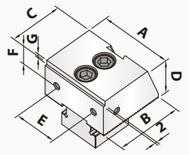


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ABG53104	48	52	44	25.44	30	12.5	0.5 kg
3ABG73104	70	66	52	40.52	44	21.3	1.6 kg
3ABG103104	98	70	56.2	43.45	64	22	2.6 kg

3 ABS 53104

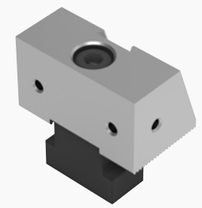


STEP STATIONARY WEDGE-HEAVY DUTY 固定夾塊

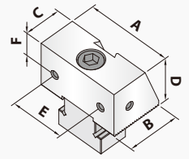


ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
3ABS53104	48	52	44	25.44	30	12.5	5	0.5kg
3ABS73104	70	66	52	40.52	44	21.3	5	1.6kg
3ABS103104	98	70	56.2	43.45	64	22	5	2.6kg

3 ALG 530102



STATIONARY WEDGE-STANDARD DUTY 固定夾塊

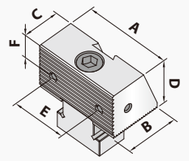


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ALG530102	48	34	26	25.44	30	12.5	0.4kg
3ALG730102	70	43	30	40.52	44	21.3	1kg
3ALG1030102	98	48	34.2	43.45	64	22	1.6kg

3 ABG 530102



SERRATED STATIONARY WEDGE-STANDARD DUTY 鋸齒型固定夾塊

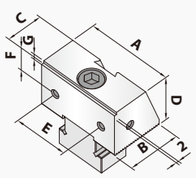


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ABG530102	48	34	26	25.44	30	12.5	0.4kg
3ABG730102	70	43	30	40.52	44	21.3	1kg
3ABG1030102	98	48	34.2	43.45	64	22	1.6kg

3 ABS 530102



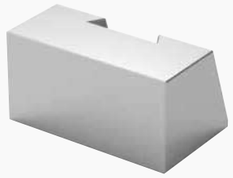
STEP STATIONARY WEDGE-STANDARD DUTY 固定夾塊



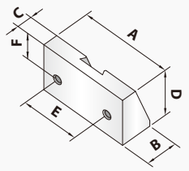
ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
3ABS530102	48	34	26	25.44	30	12.5	5	0.4kg
3ABS730102	70	43	30	40.52	44	21.3	5	1kg
3ABS1030102	98	48	34.2	43.45	64	22	5	1.6kg

OPTIONAL ACCESSORIES
虎鉗配件

3 ALG 530302

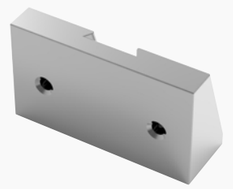


MOVEABLE JAW 活動夾塊

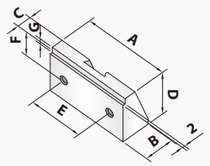


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ALG530302	48	19.8	10.7	25	30	12.5	0.15 kg
3ALG730302	70	24.2	11.4	40	44	21.3	0.5 kg
3ALG1030302	98	27.2	13.4	43	64	22	0.8 kg

3 ABS 530302



STEP MOVEABLE JAW 活動夾塊

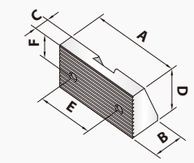


ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
3ABS530302	48	19.8	10.7	25	30	12.5	5	0.15 kg
3ABS730302	70	24.2	11.4	40	44	21.3	5	0.4 kg
3ABS1030302	98	27.2	13.4	43	64	22	5	0.7 kg

3 ABG 530302



SERRATED MOVEABLE JAW 鋸齒活動夾塊

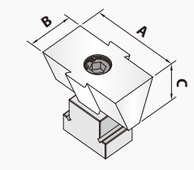


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ABG530302	48	19.8	10.7	25	30	12.5	0.15 kg
3ABG730302	70	24.2	11.4	40	44	21.3	0.5 kg
3ABG1030302	98	27.2	13.4	43	64	22	0.8 kg

3 ALG 530402



MOVEABLE WEDGE 活動夾塊

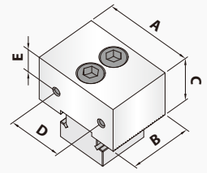


ITEM NO.	A	B	C	WEIGHT 重量
			mm	
3ALG530402	47.7	24	22	0.4 kg
3ALG730402	69.7	36	35	0.7 kg
3ALG1030402	97.7	42	38	1.1 kg

3 ABS 53104



FIXED JAW-STANDARD DUTY 固定夾塊

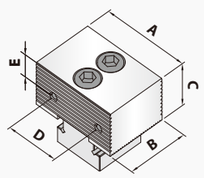


ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
3ALG530201	48	39	25.44	30	12.5	0.5 kg
3ALG730201	70	50	40.52	44	21.3	1.4 kg
3ALG1030201	98	50	43.45	64	22	2.1 kg

3 ALG 530102



SERRATED FIXED JAW-STANDARD DUTY 固定夾塊

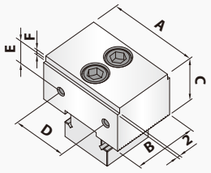


ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
3ABG530201	48	39	25.44	30	12.5	0.5 kg
3ABG730201	70	50	40.52	44	21.3	1.4 kg
3ABG1030201	98	50	43.45	64	22	2.1 kg

3 ABG 530102



STEP FIXED JAW-STANDARD DUTY 鋸齒型固定夾塊

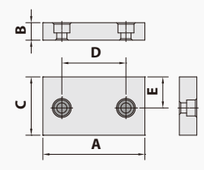


ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
3ABS530201	48	39	25.44	30	12.5	5	0.5 kg
3ABS730201	70	50	40.52	44	21.3	5	1.4 kg
3ABS1030201	98	50	43.45	64	22	5	2.1 kg

3 ABS 530102



FIXED SOFT JAW 固定夾塊



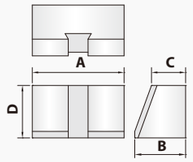
ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
3ALG540102	47	12	25	30	12.5	0.10 kg
3ALG740102	69	12	40	44	21.3	0.25 kg
3ALG1040102	97	15	43	64	22	0.5 kg

OPTIONAL ACCESSORIES
虎鉗配件

3 ALG 530302

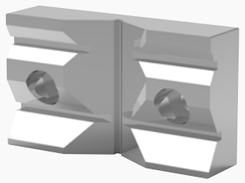


MOVEABLE SOFT JAW 活動夾塊

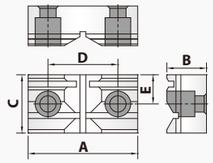


ITEM NO.	A	B	C	D	WEIGHT 重量
				mm	
3ALG530302	48	29	21	25	0.5 kg
3ALG730302	70	39	26	40	0.7 kg
3ALG1030302	98	48.9	35	43	1.5 kg

3 ABG 540702



HARDENED V JAW 活動夾塊

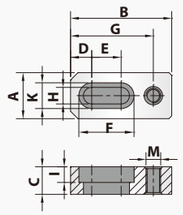


ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
3ALG540702	47	17	25	30	12.5	0.2 kg
3ALG740702	69	17	40	44	21.3	0.4 kg
3ALG1040702	97	19	43	64	22	0.6 kg

50N01901



WORKPIECE STOP PLATE 鋸齒活動夾塊



ITEM NO.	A	B	C	D	E	F	G	H	I	K	M	WEIGHT 重量
											mm	
50N01901	17	50	10	10	12	23	45	6.5	6	11	M6	0.05 kg
50N01903	25	55	15	11.5	16	30	43	9	8.5	14	M8	0.15 kg

ALUMINUM DOUBLE STATION VISES
鋁合金雙鵰虎鉗

LIGHT, STEADY AND FLEXIBLE
輕量化、穩定性、可塑性

Auto Well has devoted to vises innovation for more efficiency. Aluminum Double Station Vises is made for your vertical or horizontal machining center basic on market requirement. Lighter weight and user friendly compare to other design. The three soft-jaws are shapable to meet your need and takes full advantages.

High-grade aluminum body combines with an alloy steel cover plate enhances base strength

and absorbs any machining vibrations.

Quick changed soft-jaws for multiple machining jobs.

Clamping force equalization ensures same force while machining two different size workpieces.

Adjustable Automatically Return Mechanism reduce set-up times through set the off-set distance of movable jaw automatic or manual.

AUTO WELL多年致力於虎鉗的創新來提高生產效率，針對市場需求，為您設計立/臥式加工機專用的〝鋁合金雙鵰虎鉗〞，此虎鉗擁有輕量化及高穩定度的特點，且具備三個可塑形之軟爪，隨時隨地為您訂製一個專屬的模具，讓您的CNC帶來更全面性的效益。

本台設計使用高級鋁合金材質及合金鋼板，可抵消加工時產生的震顫並加強基座的強度。

快速更換軟爪系統，以利多元加工。

夾持力自動補償系統，不論工件大小，皆同時夾緊且夾持力相同。

可調式自動定位系統，可自動或手動調整活動顎退開的距離，節省更換工件所浪費的時間。

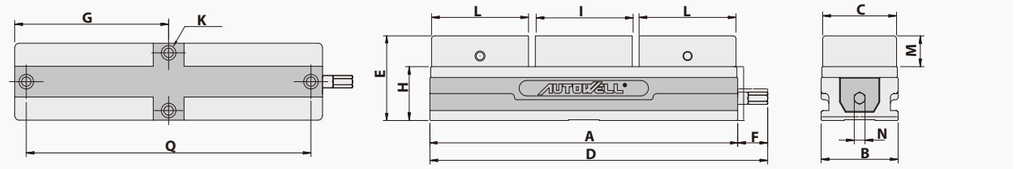
AQS
1040, 1250, 1250-4B

LOCKWELL, TOMBSTONE ALUMINUM VISES

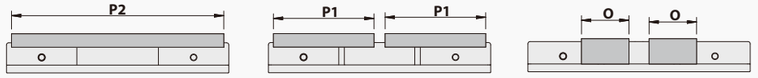
VMC, HMC 鋁合金雙鵰虎鉗

Workholding

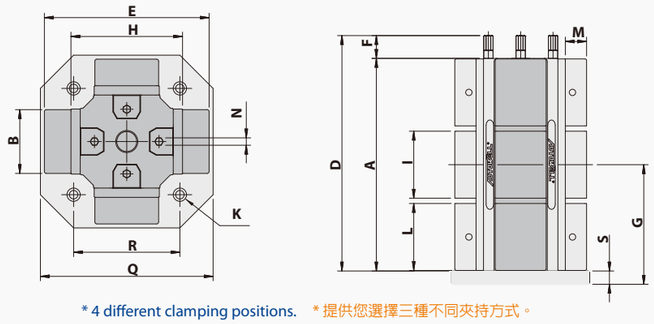
AQS DIMENSIONS
VMC, HMC 尺寸圖



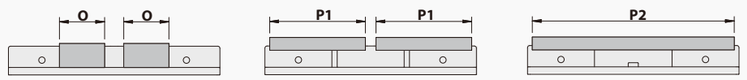
* 4 different clamping positions. * 提供您選擇三種不同夾持方式。



ITEM NO.	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P1	P2	Q	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																		
AQS-1040	400	100	96	439	110	39	200	70	126	ø20	126	40	14	85	180	380	370	/	/
AQS-1250	500	125	121	539	134	39	250	84	157.6	ø20	157.5	50	14	112	225	480	460	/	/



* 4 different clamping positions. * 提供您選擇三種不同夾持方式。



ITEM NO.	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P1	P2	Q	R	S	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																				
AQS-1040-4B	400	100	-	439	248	39	225	168	126	ø18	126	40	14	85	180	380	260	160	25	/	/
AQS-1250-4B	500	125	-	539	310	39	280	210	157.5	ø18	157.5	50	14	112	225	480	320	240	25	/	/

WELLOCK LARGE OPENING VISE
角固鎖式精密虎鉗

WORLD FAMOUS & HIGH ACCURACY & BEST QUALITY & LARGE OPENING
世界級、特精準、高品質、大開口

ATW Vise offers the high quality as same as the world famous brands. Improving on industry standards, the vises are ultra-precision in datum, flatness, parallelism and verticality.

元駿角固系列虎鉗品質與世界知名大品牌同級，不論是基準面、滑動面、平行度、垂直度等皆高於一般業界標準。

Wellock Semi-spherical segment eliminate deflection and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened

to HS65° to maintain the accuracy. S50C jaw-plate has been Carburizing heat treated the hardness to HRC54°.

4 different clamping positions.

Bearing system has sealed and special treated to reduce damage for extend the lifetime.

8,200lbs high clamping force.

角固式(WELLOCK)半圓球可產生角固下鎖之力，可消除鉗口板上浮和工件傾斜。

虎鉗本台使用強而有力的球狀石墨鑄鐵FCD-60(80,000PSI)抗張力強，不易變形；本台滑動面均經高週波硬化熱處理HS65°以上，強化滑動面的耐磨性與精度；鉗口均採用S50C材質，再經滲碳熱處理使其硬度達HRC54°以上。

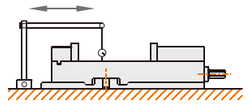
虎鉗擁有四種不同的夾持開口應用位置來供客戶選擇。

傳動螺桿採特殊防塵裝置，且螺桿經過特殊處理，可減少磨耗。

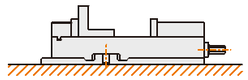
夾持力高達8,200lbs（37,800N）

STATIC ACCURACY
精度表

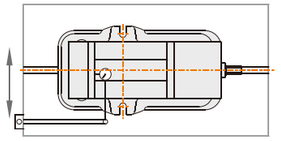
1



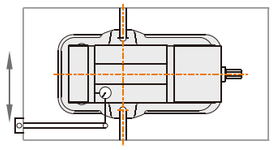
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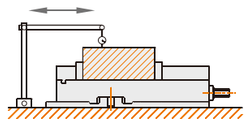
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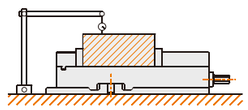
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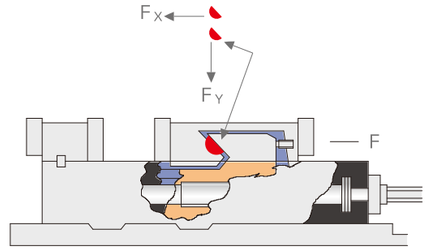
5



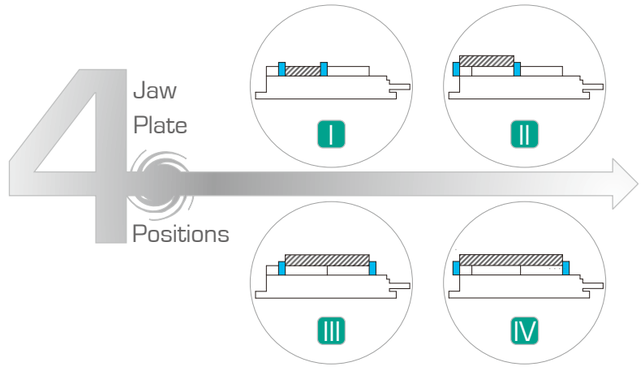
6



WELLOCK ANTI-LIFT MECHANISM
半圓球防止上浮機構



4 JAW-PLATE POSITIONS
4種鉗口板應用位置



WELLOCK VISE SYSTEM
角固式虎鉗

(mm)

NO.	INSPECTION ITEMS (PER 100 MM) 檢查項目 (每100mm)		ALLOWANCE 容許值	
			AUTOWELL	JIS. CLASS
1	PARALLELISM	Running face to bottom of bed 本台滑動面對底面之平行度	0.01	0.015
2	SQUARENESS	Between running face and jaw plate 鉗口面對滑動面之垂直度	0.01	0.03
3	SQUARENESS	Keyways on bottom of bed to jaw plate 鉗口面對本台底面T型槽之垂直度	0.015	0.015
4	PARALLELISM	Keyways on bottom of bed to jaw plate 鉗口面對本台底面T型槽之平行度	0.01	0.015
5	SQUARENESS	Both sides to running face 雙側面對滑動面之垂直度	0.015	0.02
6	SQUARENESS	Both sides to fixed jaw plate 雙側面對固定鉗口面之垂直度	0.015	0.03

Basic on global market, our company start producing MC serious type of vise on 1986 and we keep our vise dimensions as same since then. There is no fitment or alignment problem between our old and new MC vise.

同高定寸：針對全球市場，本公司於1986年開始生產MC系列虎鉗，並全部保持一致尺寸；
讓您不論是在過去、現在或未來所購買的MC系列虎鉗均可多台並列使用。

ATW
689, 810, 811

WELLOCK LARGE OPENING VISE
角固鎖式 虎鉗

Workholding

ATW-689

8.9" large opening.

Spindle nut does not protrude past the end of body.

Same distance from keyway to stationary jaw with ATW-675.

Bed height 73.025±0.012mm (2.875±0.0005").

8.9"大開口。

齒條不超出本台。

T型槽到固定顎的距離同ATW-675。

本台高度73.025±0.012mm (2.875±0.0005")。

ATW-810

Updated body from ATW-80, it provides 10" large opening and steadier vise body.

Bed height 84.074±0.012mm (3.31±0.0005").

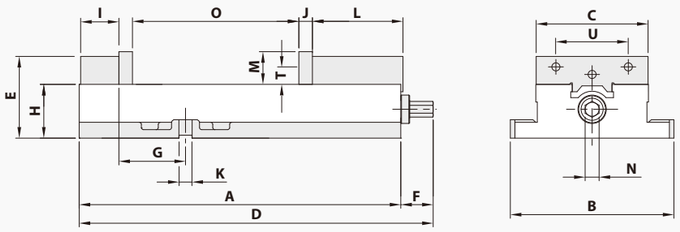
11,600lbs clamping force.

ATW-810是由ATW-80進化而成，10"超大開口且本台穩定度更高。

本台高度84.074±0.012mm (3.31±0.0005")。

夾持力11,600lbs。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
	mm																	
ATW-689	437	222	151	481	111.025	44	90.5	73.025	52	18	17.48 / 18	123	44.5	19	226	23.8	98.4	36.3kg
ATW-810	555	295	206	615	134.074	60	125.7	84.074	58	24.2	20.65 / 18	157	56	19	265	32	120	68.2kg
ATW-811	554	292	203.2	614.5	134	60.5	119	84	92.65	27.3	20.65	146.05	56	19	280	31	120.65	68kg

ATW-675
ATD-460/570

WELLOCK VISE
角固鎖式 虎鉗

ATW-675

7.5" opening.

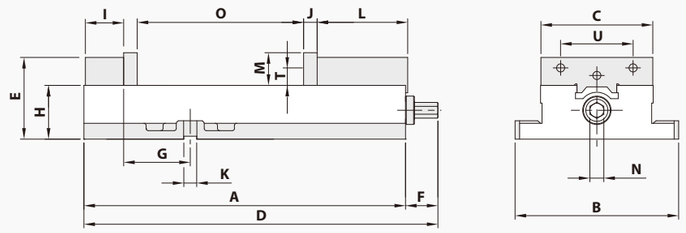
Bed height 73.025±0.012mm (2.875±0.0005").

7.5"開口。

本台高度73.025±0.012mm (2.875±0.0005")。

Workholding

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
	mm																	
ATD-460	321	160	102	361	85.65	40	71	57.15	35.1	15	12	102	35	14	153	17.5	63.5	14kg
ATD-570	368	194	126	415	97	47	85	63.5	40.5	17	16	120	38.1	16	178	20.6	79.4	21kg
ATW-675	432	235	151	476	111.025	44	108	73.025	52	18	17.48 / 18	123	44.5	19	192	23.8	98.4	36kg

ADX, ADXR/ EDX, EDXR
100, 160(M, IN)

Workholding

WELLOCK
LARGE OPENING VISE

角固鎖式 虎鉗

9' large opening for 6'.

Spindle nut does not protrude past the end of body.

Same distance from keyway to stationary jaw with ATW-689.

Bed heigh 73.025±0.012 (2.875±0.0005").

Anti-Lift inside. Wellock Semi-spherical segment eliminate deflection and lift.

Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body.

USA Patent No. US:D838,568S

ADX-160 九吋大開口。

齒條不超出本台。

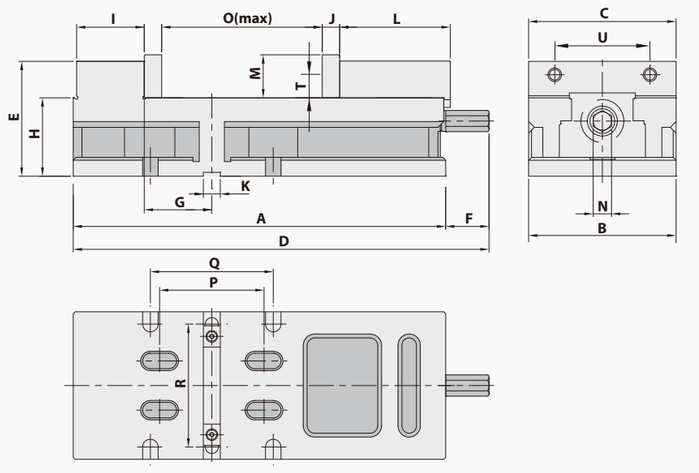
ADX-160之T型槽到固定餓的距離同ATW-689

本台高度73.025±0.012mm (2.875±0.0005")。

ADX系列材質: FCD60(80,000PSI)抗張力強，不易變形。

美國專利認證 US:D838,568S。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
	mm																	
ADX, ADXR-100	317	127	101	347	85.5	29	65.05	57.15	44.45	14	12.7	78.7	31.4	14	166	17.5	63.5	14kg
ADX, ADXR-160(M)	427	186	151	466	111.025	39	90.5	73.025	58.7	18.42	17.46	101.6	44.5	19	232	23.8	98.4	31kg
ADX, ADXR-160(IN)	427	186	151	466	111.025	39	90.5	73.025	58.7	18.42	17.46	101.6	44.5	19	232	23.8	98.4	31kg
EDX, EDXR-160(IN)	427	186	151	466	111.025	39	90.5	73.025	58.7	18.42	17.46	101.6	44.5	19	232	23.8	98.4	31kg

MG, MGR
40, 60G

WELLOCK
VERSATILE VISE

多功能鎖式 虎鉗

Vise for basic single station CNC. Features on prevents lift of workpiece and high accuracy.

2 operate positions for VMC: Upright and Lay down.

1 operate position for HMC: Horizontal.

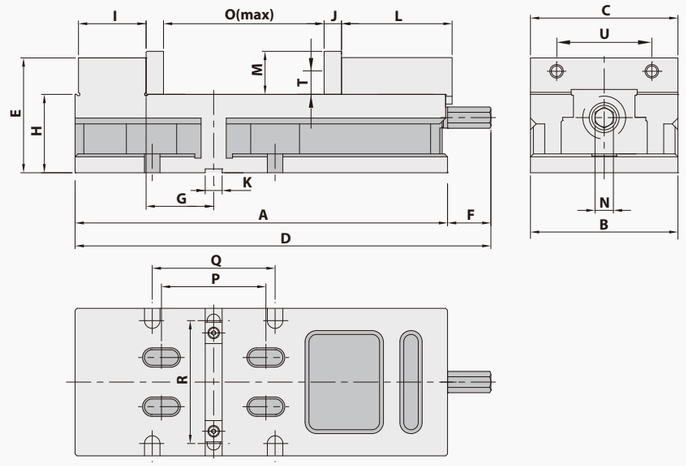
Material of MG/MGR: FCD-60.

基本型單機CNC虎鉗，強調防止工件上浮的功能，提供高標準精度。

立、橫、臥三用。

MG/MGR系列材質: FCD60。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	T	U	WEIGHT 重量
	mm																				
MG, MGR-40G	316	104	102	344	92	28	63.5	63.5	50.8	15	12.7	100	35	14	130	85	101.6	80	17.5	63.5	20kg
MG, MGR-60G	385	152.45	151	431.8	118.7	46.8	69.85	81	69.9	18	18	114.3	44.5	19	163	107.95	127	127	23.8	98.4	31kg

AMC
40, 50, 60, 689 G/HV

Workholding

LOCKWELL
MACHINE VISE

角固並列式 虎鉗

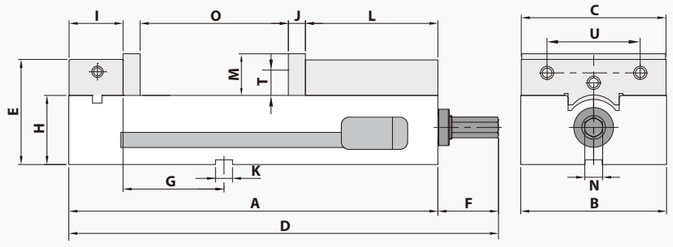
2 operate positions for VMC: Upright and Lay down.

立、橫兩用。

Material of AMC: FCD-60.

AMC系列材質: FCD60。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	WEIGHT 重量
	mm																	
AMC-40G/HV	330	105	102	372	100	42	91.6	68	46.8	21	18	106	40	14	125	17.5	63.5	21kg
AMC-50G/HV	360	128	126	410	103.5	50	82	70	45	17	18	117	38	19	158	20.6	79.4	26kg
AMC-60G/HV	390	154	151	455	111	65	106.7	73	57	18	18	140	44.5	19	148	23.8	98.4	36.5kg
AMC-689G/HV	437	154	151	490	111.025	53	90.5	73.025	52	18	18	123	44.5	19	226	23.8	98.4	36.5kg

HPT-60

Workholding

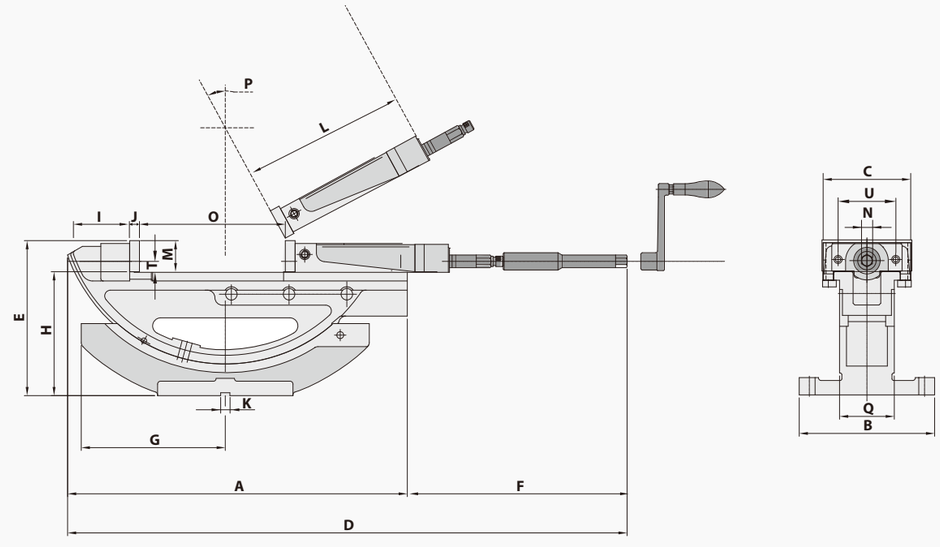
HYDRAULIC
POWER ANGLE VISE

油壓傾斜式 虎鉗

HPT Series is different from other conventional milling vise. It not only follows the functions of HP Series but also makes angular setting in directions possible. The vertical angle can be setting from 0-50° of your need. Precise angular setting in plane can be read from the mounted scale.

不同於其他傳統式虎鉗，不僅有油壓虎鉗的功能，更可依需求設定角度0-50°，並內建刻度尺以精確讀取所要的角度。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Q	P	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																				
HPT-60	590	235	152	812	264	222	250	210	97	15	16	175	54	19	300	50°	94.5	18	100	44 KN	75kg

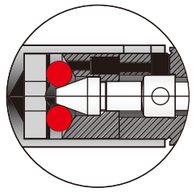
MP
50, 60, 80

Workholding



MECHANICAL POWER MACHINE VISE

機械倍力增壓 虎鉗



Mechanical Booster

Unique Ball design structure provides powerful clamping forces. Inside Disc-Spring to against shocks and vibrations while operation. High accuracy of tolerance ensures reliability and long durability.

Rigid constructed suitable for machining such as mill, grind, drill and shape.

Easy operation could bring different clamping force.

Rigid and tensile vise body. Accuracy beyond others in the market.

Securely grips rectangular and irregularly shaped workpieces, minimizing setup time and lowering production costs.

獨特內藏鋼珠式增壓設計結構提供超穩固夾持力；內建之碟形彈簧(Disc-Spring)牢固工件對抗操作時產生之震顫，進而提高精度。高精準公差確保虎鉗可靠性及長時耐久度。

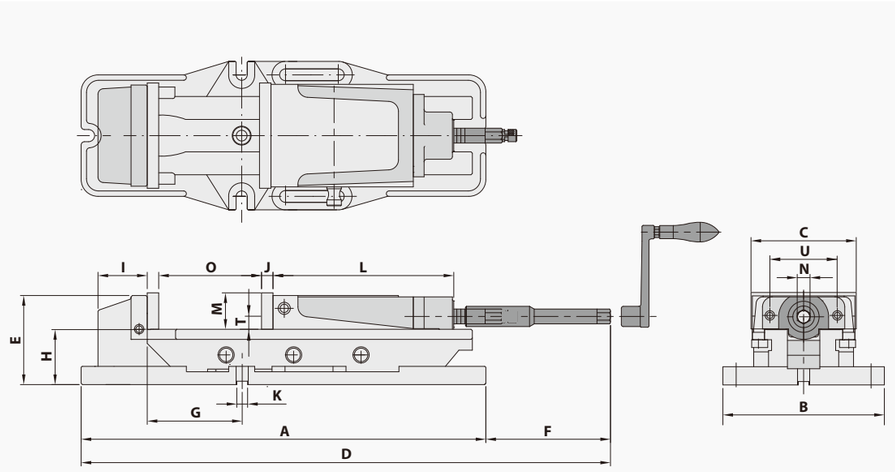
結構穩固，最適用於銑、研磨、鑽孔等加工。

僅需小操作力便可對工件施加不同壓力。

本台之彎曲應力及變形承受力強，精準度高於一般同種虎鉗。

可夾持不規則形狀之各式工件，如矩形、梯形、長條形等；操作容易、節省工時，進而降低生產成本。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																			
MP-50	538	203	130	670	117	132	82	72	82	15	16	175	46	19	220	60	16	85	40KN	37kg
MP-60	608	220	154	800	132	180	140	82	74	17	16	208	54	19	300	80	18	100	50KN	57.5kg
MP-80	700	285	206	900	160	200	118	100	113	21	18	245	62	19	300	100	24.5	120	60KN	104kg

HP
40, 50, 60, 80

Workholding



HYDRAULIC POWER MACHINE VISE

油壓內藏式 虎鉗

HP Vise is the first Hydraulic Power Vise in Taiwan. The hydraulic booster provides a steady clamping force against shocks and vibrations during the operations, since it fastens the work-piece securely with the aid of the Disc-spring mounted inside. Clamping force will never loose except to be done manually.

Suitable for every machine center. Can be change to non-Booster system.

Special design ensures the workpiece does not deflect and lift.

Rigid and tensile vise body. Accuracy beyond others in the market.

Securely grips rectangular and irregularly shaped workpieces, minimizing setup time and lowering production costs.

台灣首台油壓虎鉗。特殊油壓增壓器提供穩固夾持力；內建之碟形彈簧(Disc-Spring)牢固工件對抗操作時產生之震顫。使用時僅需施加小操作力，便可產生上噸之夾持壓力；加工過程中，夾持力絕不會釋洩，切削加工時絕不會有工件因油壓突然釋洩而產生損害之情形發生。

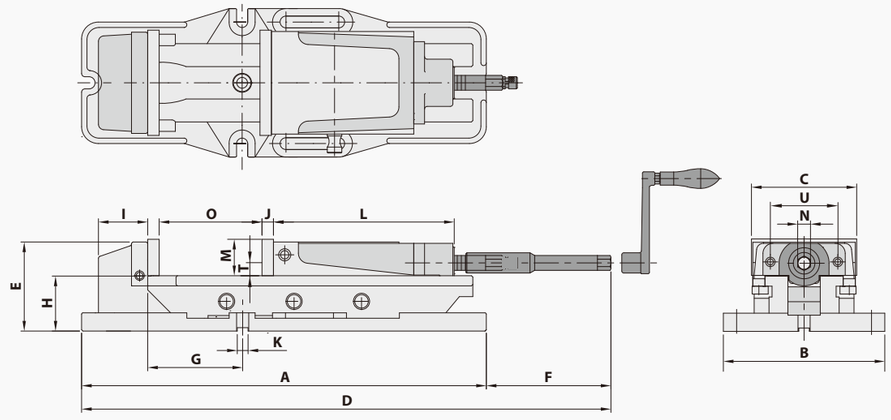
適用於任一加工機，增壓模式可切換為非增壓。

特殊設計消除鉗口板上浮和工件傾斜。

本台之彎曲應力及變形承受力強，精準度高於一般同種虎鉗。

可夾持不規則形狀之各式工件，如矩形、梯形、長條形等；操作容易、節省工時，進而降低生產成本。

DIMENSIONS 尺寸圖



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	T	U	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																			
HP-40	435	165	104	525	93	90	63	58	68	11	16	153	36	14	170	/	10	70	25KN	24kg
HP-50	538	203	130	670	117	132	82	72	82	15	16	175	46	19	220	/	16	85	35KN	37kg
HP-60	608	220	154	800	132	180	140	82	74	17	16	208	54	19	300	/	18	100	44KN	57.5kg
HP-80	700	285	206	900	160	200	118	100	113	21	18	245	62	19	300	/	24.5	120	55KN	104kg

PRECISION ACCESSORIES
精密虎鉗配件

CLAMPING FORCE EQUALIZATION & AUTOMATICALLY RETURN MECHANISM
夾持力自動補償機構&自動定位系統

Lockwell Double Station Vise increases the efficiency and productivity of CNC machine. Double station could clamp two dissimilar workpieces with same force at a time. For save time, movable jaw designed to automatically return to correct position. One of the movable jaws opened while the other one opened to the position you set. Moreover, double station could be change to single station to meet your enquiry by fixed one movable jaw. 6 different clamping positions. You could change the standard jaws into soft jaws to make your own vise.

Double station could clamp two dissimilar workpieces with same force at a time and provides 6 different clamping positions.

Clamping Force Equalization (patented) ensures same clamping force to clamp two different size/shape workpieces.

Automatically Return Mechanism (patented) save the work change time.

Lockwell Anti-Lift Mechanism (patented) ensures the workpiece does not deflect and lift.

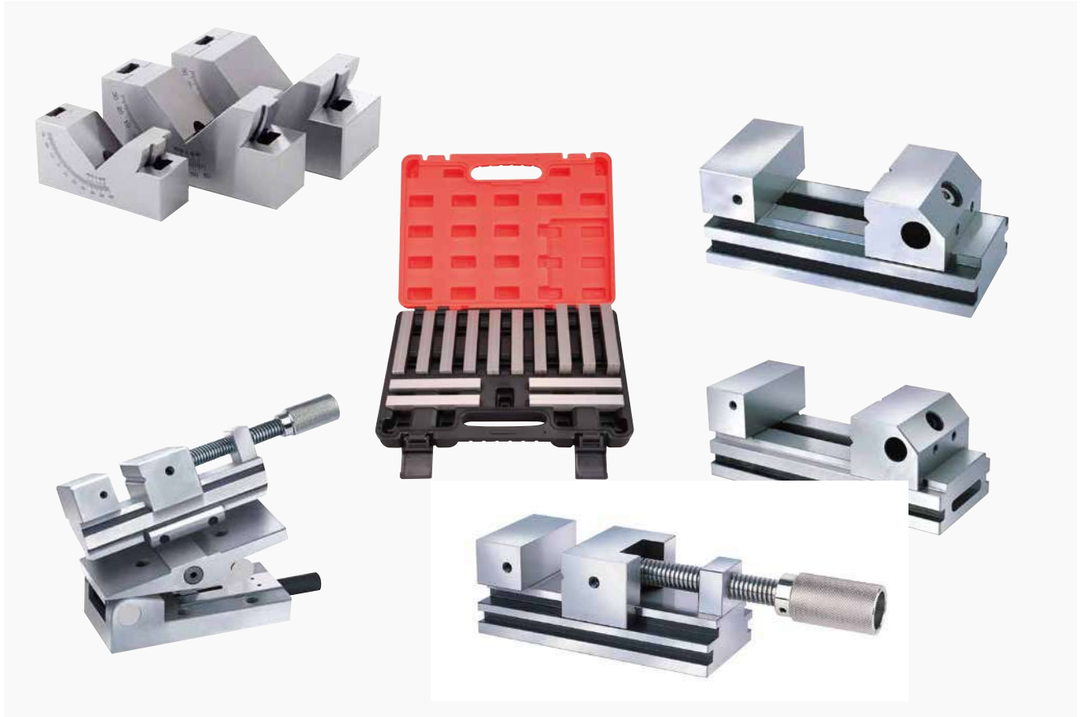
雙鵰系列虎鉗擁有兩項專利，提高CNC設備的利用率並提升生產力。雙夾座可在同時以相同夾持力夾持兩個相同或不同尺寸之工件，達多件一致性的高精度；活動顎採用鬆開後自動定位裝置設計，操作鬆開時，其一活動顎會先稍微退開，待其定住後，另一活動顎才會退開。此外為因應工件尺寸不同之需求，此虎鉗更可變換為單夾座，僅需固定一端活動顎即可定位夾持大工件；夾持變化方式多達六種。可更換使用鋁製軟爪，訂做一個專供您模具使用的專屬虎鉗。

雙夾持機構：雙開口虎鉗可同時夾持兩個大小不同之工件，且提供六種不同夾持方式。

專利夾持力自動補償機構：此機構可同時夾持兩種不同大小或是形狀之工件，大大提升生產效率，另外，因為擁有自動補償(非同動裝置)之功能，兩工件是同時夾緊，所以雙開口雙夾持力是相同的。

專利自動定位機構：可節省鬆開工件及準備放置工件的寶貴時間。

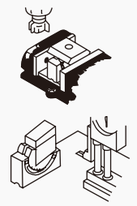
向量式防止上浮機構：當作業時，使其工件產生向下壓力效果，以消除傳統虎鉗操作時所產生的傾斜與偏向。

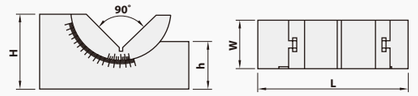


GAP-25, 30, 46 ADJUSTABLE ANGLE PLATES 可調式角度墊規



TO MARK OUT ON A WORKPIECE USING ON THE MILLING MACHINE
在銑床上標記工件





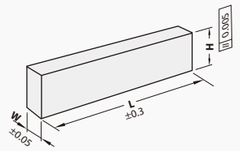
DIMENSIONS 尺寸圖

ITEM NO.	L	W	H	h	WEIGHT 重量
				mm	
GAP-25	75	25	36	25	0.5kg
GAP-30	102	30	49	30	1.0kg
GAP-46	102	46	49	30	1.5kg

AGP-85 PRECISION PARALLELS SET 精密虎鉗平行墊規



Hardness: HRC50º-55º
Accuracy: 0.01m/m
硬度：HRC50°~55°
精度：0.01 m/m



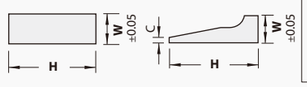
DIMENSIONS 尺寸圖

ITEM NO.	L	W	H	PCS 數量	WEIGHT 重量
			mm		
AGP-85	150	8.5	14	2	5.5kg
	150	8.5	16	2	5.5kg
	150	8.5	20	2	5.5kg
	150	8.5	24	2	5.5kg
	150	8.5	30	2	5.5kg
	150	8.5	32	2	5.5kg
	150	8.5	36	2	5.5kg
	150	8.5	40	2	5.5kg
	150	8.5	44	2	5.5kg

AGP-100 PRECISION PARALLELS SET 精密虎鉗平行墊規



Hardness:HRC50º-55º
Accuracy:0.01m/m
Process:Four-side grinding
1 set includes 18 pcs, packed by plastic case
硬度：HRC50°~55°
精度：0.01 m/m
工藝：四面拋光
1組包括18個塑料盒包裝



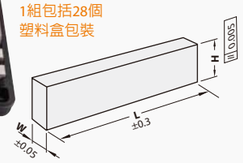
DIMENSIONS 尺寸圖

ITEM NO.	L	W	H	PCS 數量	WEIGHT 重量
			mm		
AGP-100	5	16	100	2	10.3kg
	6	18	100	2	10.3kg
	8	24	100	2	10.3kg
	10	30	100	2	10.3kg
	12	36	150	2	10.3kg
	14	48	150	2	10.3kg
	18	60	150	2	10.3kg
	22	62	150	2	10.3kg

AGP-150 PRECISION PARALLELS SET 精密虎鉗平行墊規



Hardness:HRC52º-58º
Accuracy:0.01m/m
Process:Four-side grinding
1 set includes 28 pcs, packed by plastic case
硬度：HRC52°~58°
精度：0.01 m/m
工藝：四面拋光
1組包括28個
塑料盒包裝



DIMENSIONS 尺寸圖

ITEM NO.	L	W	H	PCS 數量	WEIGHT 重量
			mm		
AGP-150	150	10	14	2	9.2kg
	150	10	16	2	9.2kg
	150	10	18	2	9.2kg
	150	10	20	2	9.2kg
	150	10	22	2	9.2kg
	150	10	24	2	9.2kg
	150	10	26	2	9.2kg
	150	10	28	2	9.2kg
	150	10	30	2	9.2kg
	150	10	32	2	9.2kg
	150	10	35	2	9.2kg
	150	10	40	2	9.2kg
	150	10	45	2	9.2kg
	150	10	50	2	9.2kg

AGP-50

PRECISION PARALLELS SET 精密虎鉗平行墊規

new!



Hardness: HRC52º-58º
Accuracy: 0.01m/m
1 set includes 18 pcs, packed by plastic case
硬度：HRC50˚~55˚
精度：0.01 m/m
1組包括18個
塑料盒包裝



DIMENSIONS 尺寸圖

ITEM NO.	L	W	H	PCS 數量	WEIGHT 重量
			mm		
AGP-85	150	6	19	2	4.07kg
	150	6	22	2	4.07kg
	150	6	25	2	4.07kg
	150	6	28	2	4.07kg
	150	6	31	2	4.07kg
	150	6	35	2	4.07kg
	150	6	38	2	4.07kg
	150	6	41	2	4.07kg
	150	6	44	2	4.07kg

AGP-60

PRECISION PARALLELS SET 精密虎鉗平行墊規

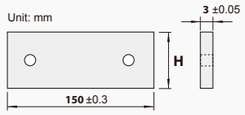
new!



Hardness: HRC48º-55º
Accuracy: 0.01m/m
1 set includes 20cs, packed by plastic case
硬度：HRC50˚~55˚
精度：0.01 m/m
1組包括20個
塑料盒包裝

DIMENSIONS 尺寸圖

ITEM NO.	(H) Height ±0.01									PCS 數量	WEIGHT 重量
	mm										
AGP-60	13	16	19	22	25	28	31	35	38	41	2	2.2kg



AGP-70

PRECISION PARALLELS SET 精密虎鉗平行墊規

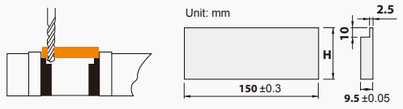
new!



Hardness: HRC52º-58º
Accuracy: 0.01m/m
1 set includes 12 pcs, packed by plastic case
硬度：HRC50˚~55˚
精度：0.01 m/m
1組包括12個
塑料盒包裝

DIMENSIONS 尺寸圖

ITEM NO.	(H) Height ±0.01						PCS 數量	WEIGHT 重量
	mm							
AGP-70	25	30	35	40	45	48	2	4.06kg



AGP-80

PRECISION PARALLELS SET 精密虎鉗平行墊規

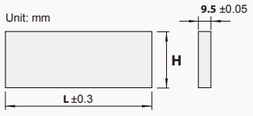
new!



Hardness: HRC52º-58º
Accuracy: 0.01m/m
1 set includes 12 pcs, packed by plastic case
硬度：HRC50˚~55˚
精度：0.01 m/m
1組包括12個
塑料盒包裝

DIMENSIONS 尺寸圖

ITEM NO.	(H) Height ±0.01						(L) Length	PCS 數量	WEIGHT 重量
	mm								
AGP-80-1	25	30	35	40	45	48	150±0.3	2	4.95kg
AGP-80-2	35	40	45	50	55	58	200±0.3	2	8.40kg



GVL-100

TOOL MAKER VISE (STAINLESS STEEL) 一寸不銹鋼工具萬力

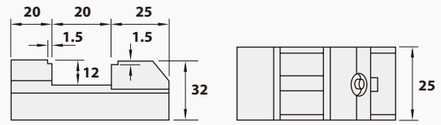


GVL-100 mini tool maker vise can be applied for precise process on bigger vises, and it can be used on EDMS and grinding machines.

GVL-100迷你尺寸工具萬力，可置于較大萬力上進行較細而精準的加工，同時可用在放電加工機上及研磨機上。

High Precision Tool Makers Vise
Hardness:HRC50º-55º
Squareness:within 0.003m/m
高精度工具萬力
硬度：HRC50˚~55˚
垂直度及水平度在0.003m/m

DIMENSIONS 尺寸圖



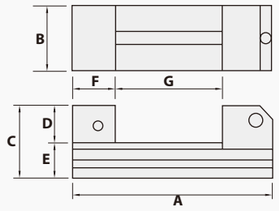
GVL-200, 300

TOOL MAKER VISE (STAINLESS STEEL) 不銹鋼工具萬力



Super Cold treating the stainless steel material after heat treatment, makes the rustless tools easy to maintain and preserve lasting precision.

利用不銹鋼材料熱處理後再經深冷處理使原本不生銹的工具易於保養且保持永久精度。



Material: SUS440
Parallelism:within 0.003/100 mm
Squareness:within 0.003/100 mm
Harden treatment up to HRC50º~55º
材質：SUS440
平行精度：within 0.003/100 mm
垂度精度：within 0.003/100 mm
硬度：HRC50˚~55˚

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
GVL-200	140	50	53	25	28	25	0~75	1.8kg
GVL-300	180	72	62	30	32	35	0~100	3.8kg

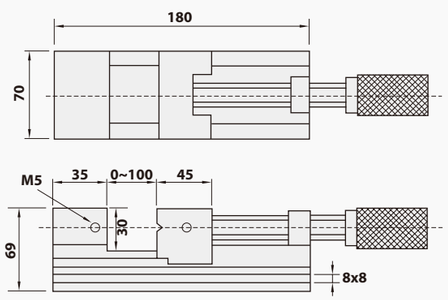
VSU-300

TOOL MAKER VISE (STAINLESS STEEL) 不銹鋼手轉工具萬力



Material: SUS440
Parallelism:within 0.003/100 mm
Squareness:within 0.005/100 mm
Harden treatment up to HRC50º~55º
材質：SUS440
平行精度：within 0.003/100 mm
垂度精度：within 0.003/100 mm
硬度：HRC50˚~55˚

DIMENSIONS 尺寸圖 *Unit:mm*



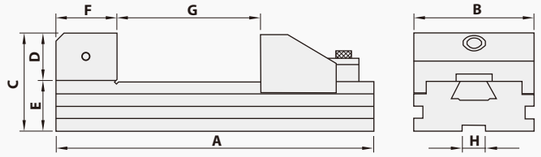
GLK-60, 80, 100

GLK TOOL MAKER VISE GLK萬力



GLK Tool Maker Vise adopts new construct and high strength design, can enable to clamp strong and powerful workpieces.

GLK-100萬力採新結構且強度高的設計，可強而有力的夾持工件。可用於CNC床銑上，採並列式的使用。



Material:YK30
Hardness:HRC56º~60º

材質：YK30
硬度：HRC56°~60°

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	WEIGHT 重量
								mm	
GLK-60	180	60	55	27	28	35	0~80	14	3kg
GLK-80	205	80	64	32	32	40	0~100	14	5kg
GLK-100	250	96	82	40	42	45	0~125	14	10kg

VSB-15, 20, 25,30, 40

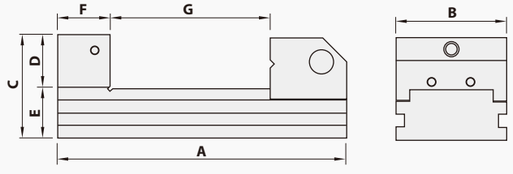
VSB TOOL MAKER VISE VSB工具萬力





VSB Tool Maker Vise is a mechanics of new type, can enable to easily adjust the size of workpieces being held.

VSB工具萬力為一新設計結構，能輕易的調整夾持工件的大小，採YK30材質保證硬度及精度。



YK30 material can pledge the rigidity and precision.
Hardness: HRC56º~60º

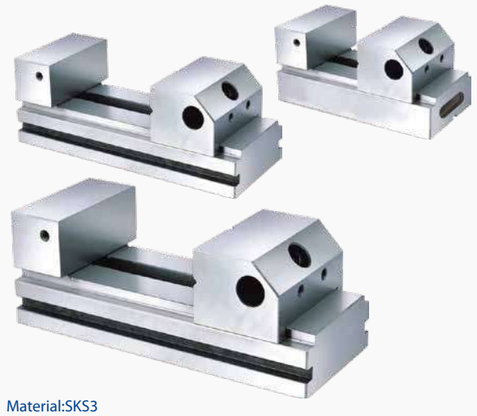
YK30材質保證硬度及精度。
硬度：HRC56°~60°

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
VSB-15	105	36	48	20	28	25	0~40	1kg
VSB-20	150	48	53	25	28	25	0~70	2kg
VSB-25	176	63	59	30	29	30	0~95	3.3kg
VSB-30	190	73	68	35	33	35	0~105	4.3kg
VSB-40	245	98	90	45	45	45	0~135	10kg

GSV-34, 45, 70, 90, 120

SUPER PRECISION TOOL MAKER VISE 高級萬力



"GSV" type super precision tool maker vise, made of quality alloy steel. The best kind of tool maker vise whatever in design and accuracy.

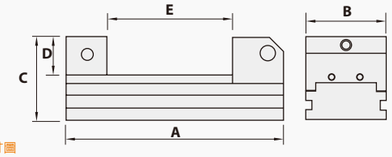
Quality and precision are stability. Achieving Europe and Japan quality test qualification.

Single side oblique angle design, can be mended the quantity of essence deformed automatically.

GSV型超精密工具萬力，採用高級合金鋼製造，設計結構和精密度都是最好的工具萬力。

由於品質和精密度穩定，在日本和歐洲均受到消費者歡迎，產品行銷全世界。

新型的單向斜角設計，能　自動校正主體的變形量。



Material:SKS3
Parallelism: within 0.002/100 mm
Squareness: within 0.003/100 mm
Cooling treatment: minus 185ºC
Harden treatment up to HRC58º~62º

材質：SKS3
平行精密度：within 0.002/100 mm
垂度精密度：0.003/100 mm
深冷處理：185°C
硬度：HRC58°-62°

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
GSV-34	75	34	35	15	0~25	0.38kg
GSV-45	110	45	45	20	0~50	1.0kg
GSV-70	160	70	62	30	0~80	3.3kg
GSV-90	210	90	80	40	0~115	6.7kg
GSV-120	286	120	90	40	0~150	16.8kg

GAA-20, 25, 30, 40

SUPER PRECISION TOOL MAKER VISE 高級萬力



"GAA" type super precision tool maker vise, complete size, handle ...ed, can be arbitrarily rotated the handle to adjust clamping size.

...of the handle is hexagonal hole designed, for hexagonal ...er to pressurize and lock.

...on spiral shaft match up with nut, and effective to ensure the ...g. The quality and accurate are guaranteed.

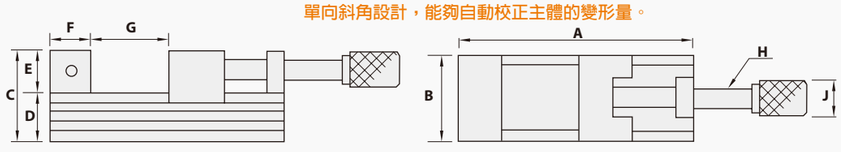
... side oblique angle design, can be mended the quantity of ...e deformed automatically.

...密工具萬力系列，尺寸規格齊全，握把式設計，可任意的旋...，調整夾持工件的大小。

...有內六角設計，可供六角扳手加壓鎖緊使用。

精密的螺絲配合螺帽，有效的確保使用年限，保證其品質及精度。

單向斜角設計，能夠自動校正主體的變形量。



Material:SK2
Parallelism: within 0.003/100 mm
Squareness: within 0.004/100 mm
Harden treatment up to HRC56º~58º

材質：SK2
平行精密度：within 0.003/100 mm
垂度精密度：within 0.004/100 mm
硬度：HRC56°-58°

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	J	WEIGHT 重量
									mm	
GAA-20	140	48	55	30	25	25	0~75	M16	30	2.7kg
GAA-25	160	63	69	39	30	30	0~85	M16	30	4.6kg
GAA-30	180	73	78	43	35	35	0~95	M24	40	6.4kg
GAA-40	230	98	92	47	45	40	0~120	M24	40	13kg

GAS-60,70,90

SUPER PRECISION TOOL MAKER VISE 超精密工具萬力





"GAS" type super precision tool maker vise, made of quality alloy steel.

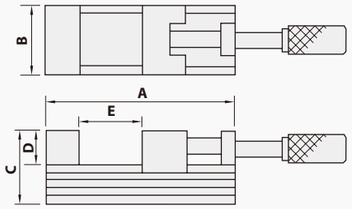
Quality and precision are stability. Achieving Europe and Japan quality test qualification.

Single side oblique angle design, ed the quantity of ned automatically.

GAS型超精密工具萬力，採用高級合金鋼製造，設計結構和精密度都是最好的工具萬力。

由於品質和精密度穩定，在日本和歐洲均受到消費者歡迎，產品行銷全世界。

新型的單向斜角設計，能　自動校正主體的變形量。



Squareness:within 0.003/100 mm
Harden treatment up to HRC56º~58º
Cooling treatment: minus 185ºC
材質：SKS3
平行精密度：within 0.002/100 mm
垂度精密度：within 0.003/100 mm
深冷處理：185˚C
硬度：HRC56˚-58˚

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
GAS-60	92	60	50	25	0~32	1.6kg
GAS-70	165	70	62	30	0~80	4.3kg
GAS-90	212	90	80	40	0~120	8.4kg

PGV-100,125

PRECISION HYDRAULIC VISE 精密油壓虎鉗



Precision hydraulic vise, made of quality alloy steel, possesses good accuracy.

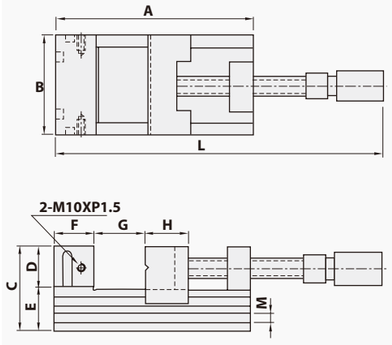
Hand-in hydraulic structure designed, turning the power of light, can to play strong clamping force.

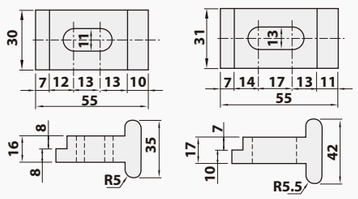
Quality and precision are stability. Achieving Europe and Japan quality test qualification.

精密油壓虎鉗，採用高級合金鋼製造，精密度佳。

採用手內油壓結構設計，轉動力量輕，就可發揮強大的夾持力。

由於品質和精密度穩定，在日本和歐洲均受到消費者歡迎，產品行銷全世界。





Material:SKS3
Parallelism:within 0.003/100 mm
Squareness:within 0.005/100 mm
Harden treatment up to HRC60º~62º
Cooling treatment: minus 185ºC
Max. Clamping forces: 1500kgf
材質：SKS3
平行精密度：within 0.003/100 mm
垂度精密度：within 0.005/100 mm
深冷處理：185˚C
硬度：HRC58˚-62˚
最大夾持力：1500kgf

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	L	M	WEIGHT 重量
										mm	
PGV-100	220	100	80	40	40	40	110	50	455	9x7	10kg
PGV-125	300	125	90	40	50	60	165	70	590	10x7	19.5kg

AVV-30, 40, 50, 60

SUPER PRECISION TOOL MAKER VISE 高級萬力



"AVV" Tool maker Vise is made of high quality alloy tool steel.

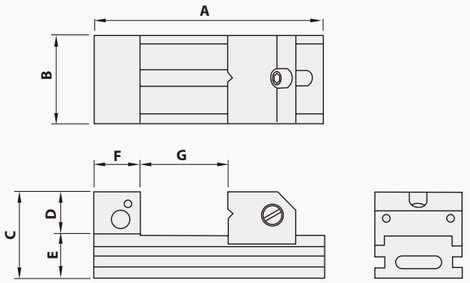
It has a special feature to prevent disstortion during clamping. As such, it is able to ensure work with good accuracy.

With a quick adjusting spring action to allow fast and easy size adjustmen of the clamping jaw.

GAS型超精密工具萬力，採用高級合金鋼製造。

特殊設計防止夾持力工件時主體變形的結構，有效確保工件夾持後工具萬力的精密度，工件自然就可得到精密的加工效果。

延續其旋轉彈簧的設計，可輕易快速的移動調整夾持位置。

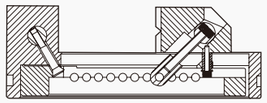


Material:SKS3
Parallelism: within 0.003/100 mm
Squareness: within 0.004/100 mm
Cooling treatment: minus 185ºC
Harden treatment up to HRC58º~62º
材質：SKS3
平行精密度：within 0.003/100 mm
垂度精密度：within 0.004/100 mm
深冷處理：185˚C
硬度：HRC58˚-62˚

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
AW-30	190	73	70	35	35	38	0~100	4.6kg
AW-40	230	98	80	40	40	46	0~125	11.4kg
AW-50	300	125	98	48	50	60	0~160	18.5kg
AW-60	350	150	100	50	50	60	0~210	24.9kg

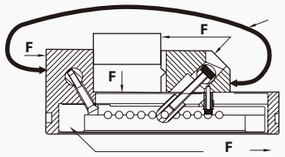
Super Precision Tool Maker Vise



New improved AVV30 Tool Maker Vise before clamping

新研發改良的AVV30超精密工具萬力，在未夾持工件而無應力的狀態。

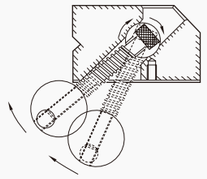
The principle of antidistrotion
外型不受變形的夾持原理



All forces acting on the inner block
應力變形集中在內槽座

When the AVV30 Tool Maker Vise is clamping work piece, reaction force will act on the inner block. As such, the vise will not twist or distort, It can maintain a very high accuracy.

新研發改良的AVV30超精密工具萬力，因夾持工件產生應力時的狀態。內槽座因承受應力而變形，但是精密萬力的外觀以及工件的外觀並未產生彎曲的變形，固其精密度將獲得改進而大幅度提高精密度。

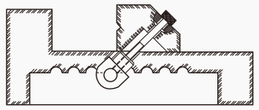


Upward thurst.
自動向上彈

When tightening the moving block of the vise, the spring action will act on the tightening pin. This creates a twisting force which acts on the inner block and counter balance the action force.

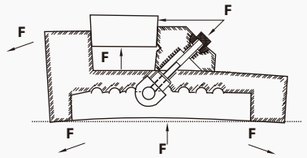
當固定軸受到彈簧所施加的壓力時，將產生一旋轉扭力，將螺絲往上彈與內槽座緊密結合在一起，產生向上彈性結構。

General Tool Maker Vise



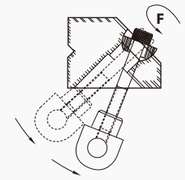
V30 Tool Maker Vise before clamping

舊型的V30工具萬力，在未夾持工件而無應力的狀態。



When the V30 Tool Maker Vise clamping work piece, reaction force will act on the body of the vise, As such, the vise may twisted or distorted, It can affect the accuracy of the work.

舊型的V30工具萬力，因夾持工件而產生應力時的狀態。工具萬力外觀與工件外觀皆因應力而產生彎曲變形，固其精密度較不理想。



When loosening the V30 Tool Maker Vise, the screw will move downward due to gravity force. Workers need to fix it back to position by hand.

舊型的V30工具萬力，螺絲放鬆時，插銷螺帽會往下掉。不會自動定位，需要用人手動去定位。

AGV-100

PRECISION SINE VISE 精密級正弦萬力

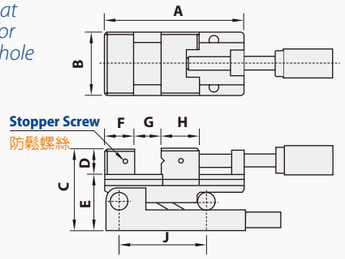


Work for getting right angle can be done while clamping a workpiece and lay down 90º

為獲得正確的角度可以做的工作，同時夾持工件，並定下90º

The precision sine vise is developed for processing at various angles. It is used for grinding cuttion making hole marking and measuring.

GVL-100精密級正弦萬力是設計作為多種角度的使用，它可利用研磨、切斷、鉆孔，作標記等功用。精密級正弦萬力，採新結構，操作簡易且精密度極高且穩固。



Material: SUS440
Parallelism:within 0.003/100 mm
Squareness:within 0.005/100 mm
Harden treatment up to HRC58º~62º
Angle tol.: within 15sec within 20sec

材質：SKS
平行精度：within 0.003/100 mm
垂度精度：within 0.005/100 mm
硬度：HRC58˚~62˚
角度誤差：在15~20秒內

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	I	J	MAX ANGLE 最大角度	WEIGHT 重量
	mm											
AGP-85	160	73	93	30	63	33	80	45	M5	100	46˚	6.8kg

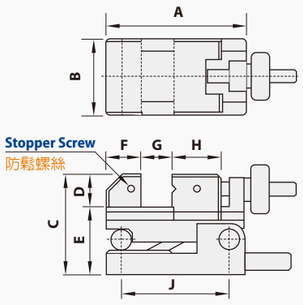
GVC-100

PRECISION SINE VISE 精密級正弦萬力



The clamp handle is placed under workpiece.

鉗柄置於工件。



DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	I	J	MAX ANGLE 最大角度	WEIGHT 重量
	mm											
GVC-100	130	73	93	30	63	33	45	45	M5	100	46˚	6kg

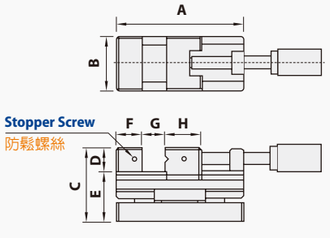
AGL-50

PRECISION SINE VISE 精密級側向正弦萬力



It can set horizontal angles.

它可以設置橫向角度



DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	I	MAX ANGLE 最大角度	WEIGHT 重量
	mm										
AGL-50	160	73	93	30	63	33	80	45	M5	46˚	6.5kg

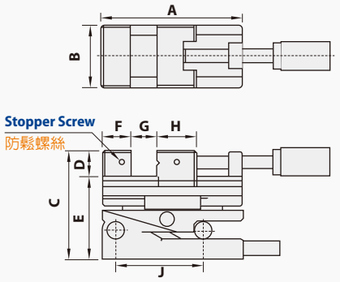
CSV-100

PRECISION COMPOUND SINE VISE 複角度精密級正弦萬力



It can process at the second angle without removing a workpiece.

它可以處理的第二個角度不刪除一個工件。



DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	I	J	MAX ANGLE 最大角度	WEIGHT 重量
	mm											
CSV-100	160	73	124	30	94	33	80	45	M5	100	46˚	8.8kg

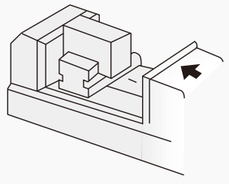
AVS-100

TOOL MAKER VISE (SMALL) 一寸工具萬力



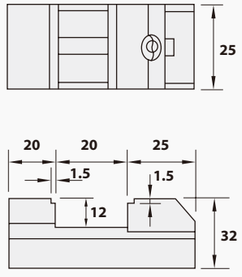
Tool makers vise of mini type can be put in a bigger vise to process the small and precise workpiece. Also it can be used in an E.D.M. Machine and grinding machine. Squareness and parallelism:within0.003m/m.

AVS工具萬力可供解決特別小物件的夾持，且精度甚高。



DIMENSIONS 尺寸圖

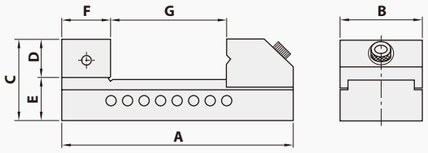
N.W. 0.3kg



AVB-15, 20, 25, 30, 35, 40, 50

TOOL MAKER VISE 工具萬力





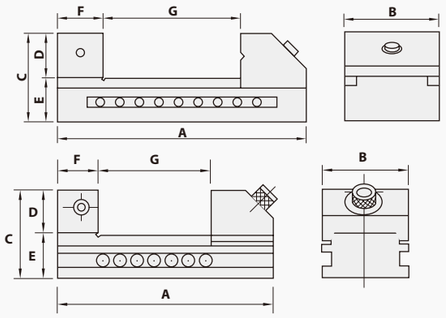
DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
AVB-15	100	36	48	20	28	25	0~40	1kg
AVB-20	150	50	53	25	28	30	0~80	1.8kg
AVB-25	175	63	63	32	31	35	0~-90	3.3kg
AVB-30	190	73	70	35	35	35	0~100	4.3kg
AVB-35	235	88	80	40	40	40	0~130	7.5kg
AVB-40	245	100	90	45	45	45	0~130	10kg
AVB-50	285	125	100	50	50	45	0~160	15kg

AVS-15, 20, 25, 30, 35, 40, 50, 60

TOOL MAKER SINE VISE 成型工具萬力





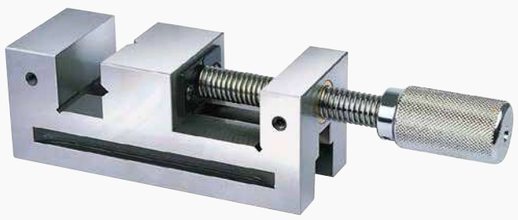
Material:SK2
Parallelism:within 0.003/100 mm
Squareness:within 0.005/100 mm
Harden treatment up to HRC56º~60º
材質：SK2
平行精密度：within 0.003/100 mm
垂度精密度：within 0.005/100 mm
硬度：HRC56˚-60˚

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
AVS-15	105	36	48	20	28	25	0~40	1kg
AVS-20	150	50	53	25	28	30	0~80	1.8kg
AVS-25	175	63	63	32	31	35	0~90	3.3kg
AVS-30	190	73	70	35	35	35	0~100	4.3kg
AVS-35	235	88	80	40	40	40	0~130	7.5kg
AVS-40	245	100	90	45	45	45	0~130	10kg
AVS-50	285	125	100	50	50	45	0~160	15kg
AVS-60	330	150	100	50	50	50	0~180	20kg

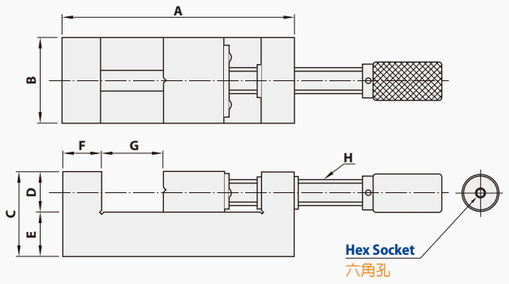
VSD-20, 25, 30, 40

TOOL MAKER VISE 手轉萬力



Tool Maker Vise makes it's clearance smallest. Hand wheel with Hex nut can be tighten by hex spanner. It is simple to dismantle the screw pole after abraded.

手轉工具萬力採新設計，使夾緊及鬆開間隙減到最小且可調整後，手輪上有內六角孔可供六角板手加壓鎖緊用，螺絲如磨損易於拆裝替換方便。



Material:SK2
Parallelism:within 0.003/100 mm
Squareness:within 0.005/100 mm
Harden treatment up to HRC56º~60º
材質：SK2
平行精密度：within 0.003/100 mm
垂度精密度：within 0.005/100 mm
硬度：HRC56˚-60˚

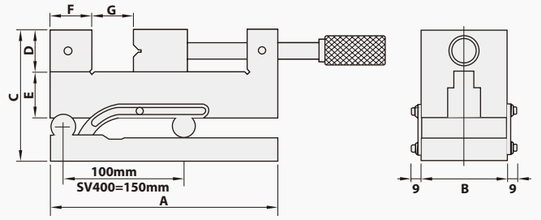
DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
VSD-20	156	48	87.5	25	27	25	0~63	2.5kg
VSD-25	176	63	63	30	33	30	0~73	4.5kg
VSD-30	190	73	103.5	35	38	35	0~76	6kg
VSD-40	255	98	82	40	42	40	0~120	12kg

ASV-200, 250, 300, 400

TOOL MAKER SINE VISE 手轉正弦萬力





Harden treatment up to HRC56º~60º
硬度：HRC56˚-60˚

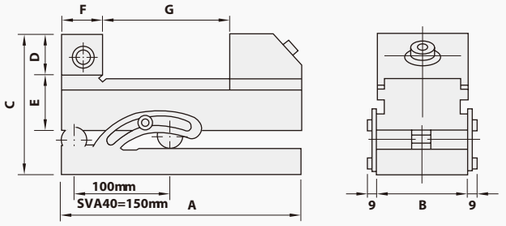
DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
ASV-200	156	48	87.5	25	27	25	0~63	4.4kg
ASV-250	176	63	98.5	30	33	30	0~73	7kg
ASV-300	190	73	103.5	35	33	35	0~76	9kg
ASV-400	255	98	120.5	40	42	40	0~120	16kg

SVA-20, 25, 30, 40

TOOL MAKER SINE VISE 正弦萬力



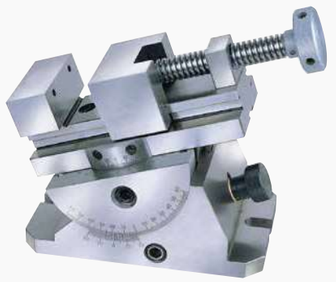


DIMENSIONS 尺寸圖

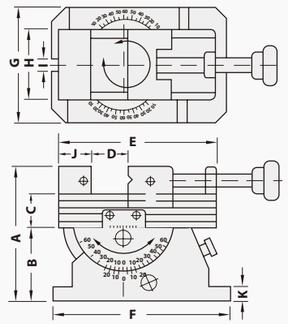
ITEM NO.	A	B	C	D	E	F	G	WEIGHT 重量
							mm	
SVA-20	150	48	88.5	25	28	25	0~75	2.6kg
SVA-25	176	63	94.5	30	29	30	0~85	4.8kg
SVA-30	190	73	103.5	35	33	35	0~95	7kg
SVA-40	245	98	126.5	45	45	45	0~125	15.5kg

CHM-80

PRECISION UNIVERSAL VISE 萬向精密虎鉗



Precision graduation for accurate reading.
Horizontal swivel through 360º.
The unit tilts 45º vertically.
Its swivelling and tilting features make this unit well suited for straight or inclined surface, angular drilling machining on various machine tools as precision grinding machine, boring and milling machine, electrical discharge machine etc.



刻度精確，適合精密加工。
水平回轉360˚
垂直傾斜45˚
最適合精密平磨、搪、銑床，放電加工機等之平面或傾斜面及角度斜孔加工。

DIMENSIONS 尺寸圖

ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	WEIGHT 重量
											mm	
CHM-80	137	75	32	80	160	178	110	70	16	33	15	14kg

ACCESSORIES 配件

HANDLES 鋁把手





HANDLES 各式把手



A.



B.

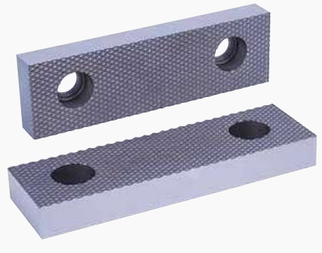


C.

SPECIAL JAWS 鋸齒鉗口

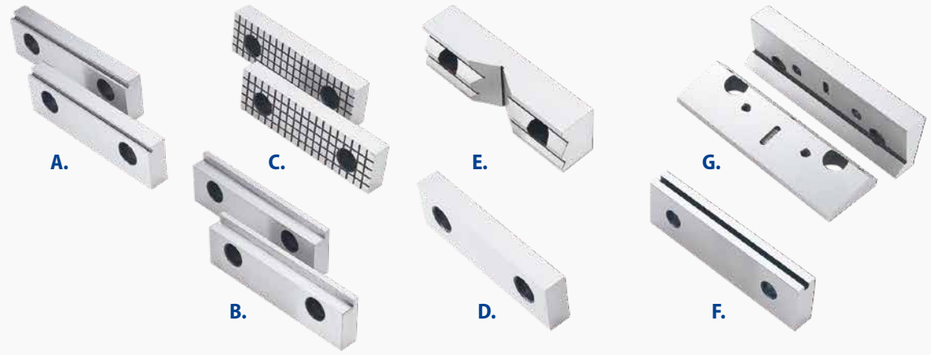


SPECIAL JAWS 鋸齒面鉗口



ACCESSORIES 配件

SPECIAL JAWS 特殊鉗口



WORKSTOP 工件基準桿



CLAMPING KIT 萬能夾具組



DIMENSIONS 尺寸圖

ITEM NO.	T-slot	Stud Size	Step Block Width
			mm
ACK-103A	7/16	3/8-16	1" (STB14. STB24. STB34)
ACK-103B	1/2	3/8-16	1" (STB14. STB24. STB34)
ACK-103C	9/16	3/8-16	1" (STB14. STB24. STB34)
ACK-104A	9/16	1/2-16	1" or 11/4"
ACK-104B	5/8	or	(STB14. STB24. STB34)
ACK-104C	11/16	1/2-13	or (STB15. STB25. STB35)
ACK-105A	11/16	5/8-11	1" or 11/4"
ACK-105B	3/4		(STB14. STB24. STB34)
ACK-105C	13/16		or (STB15. STB25. STB35)
ACK-08	10	M8×P1.25	1" (STB14. STB24. STB34)
ACK-10	12	M10×P1.5	1" (STB15. STB24. STB34)
ACK-12A	14	M12×P1.75	1" (STB14. STB24. STB34)
ACK-12B	16	M12×P1.75	1" (STB14. STB24. STB34)
ACK-12C	18	M12×P1.75	1" (STB14. STB24. STB34)
ACK-14	16	M14×P2.0	1" (STB14. STB24. STB34)
ACK-16	18	M16×P2.0	1" (STB14. STB24. STB34)