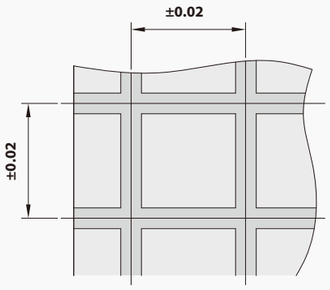
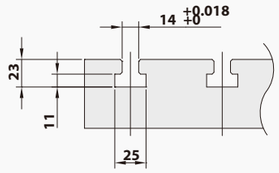
LIST OF HOLES AND T-SLOT STANDARDS
各種孔及T型溝規格列表

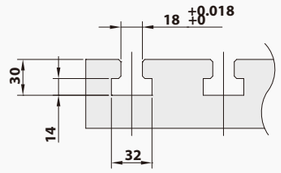
Groove distance
溝距



M12 specifications
M12規格

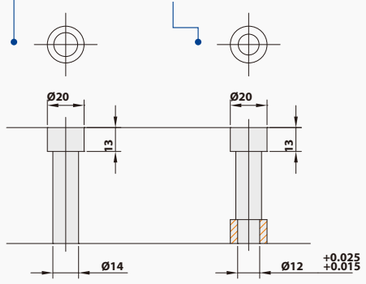


M16 specifications
M16規格



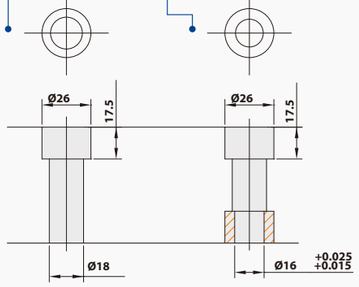
Ø14 Cap-screw Hole
Ø14沉頭孔

M12 Locating Cap-screw Hole
M12定位沉頭孔

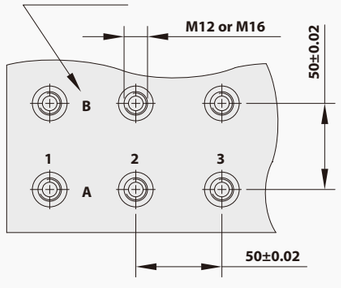


Ø18 Cap-screw Hole
Ø18沉頭孔

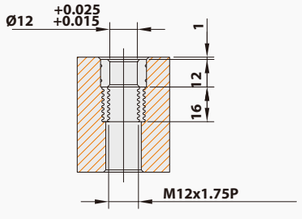
M16 Locating Cap-screw Hole
M16定位沉頭孔



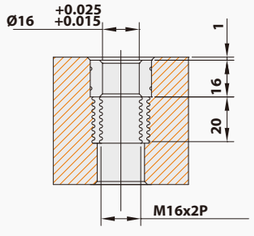
Lettering on coordinate system
座標系刻字



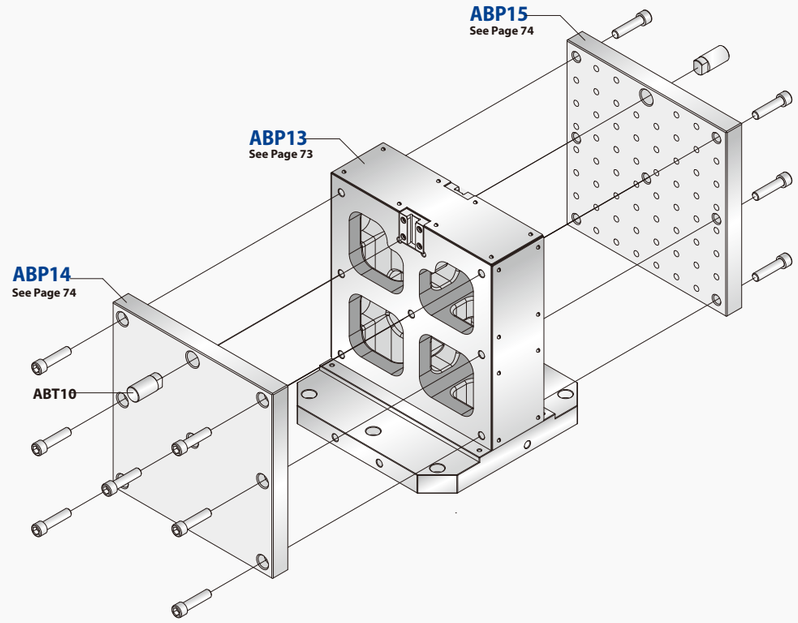
Ø12 Locating Screw Hole
Ø12定位螺絲孔

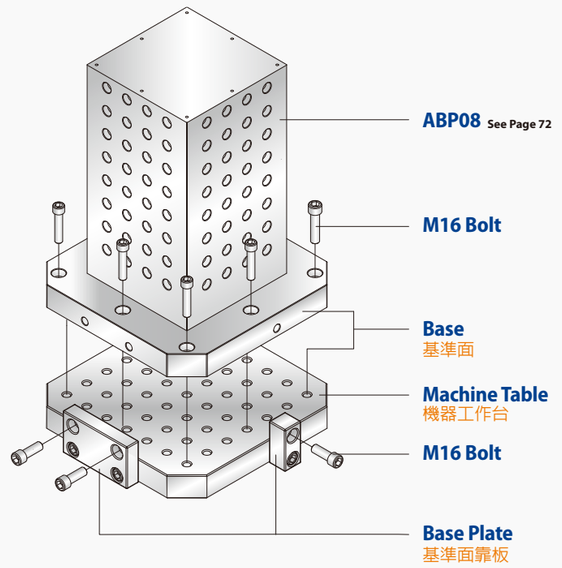


Ø16 Locating Screw Hole
Ø16定位螺絲孔



DEMONSTRATION OF JIG BLOCK
基座使用範例





ALR-6500

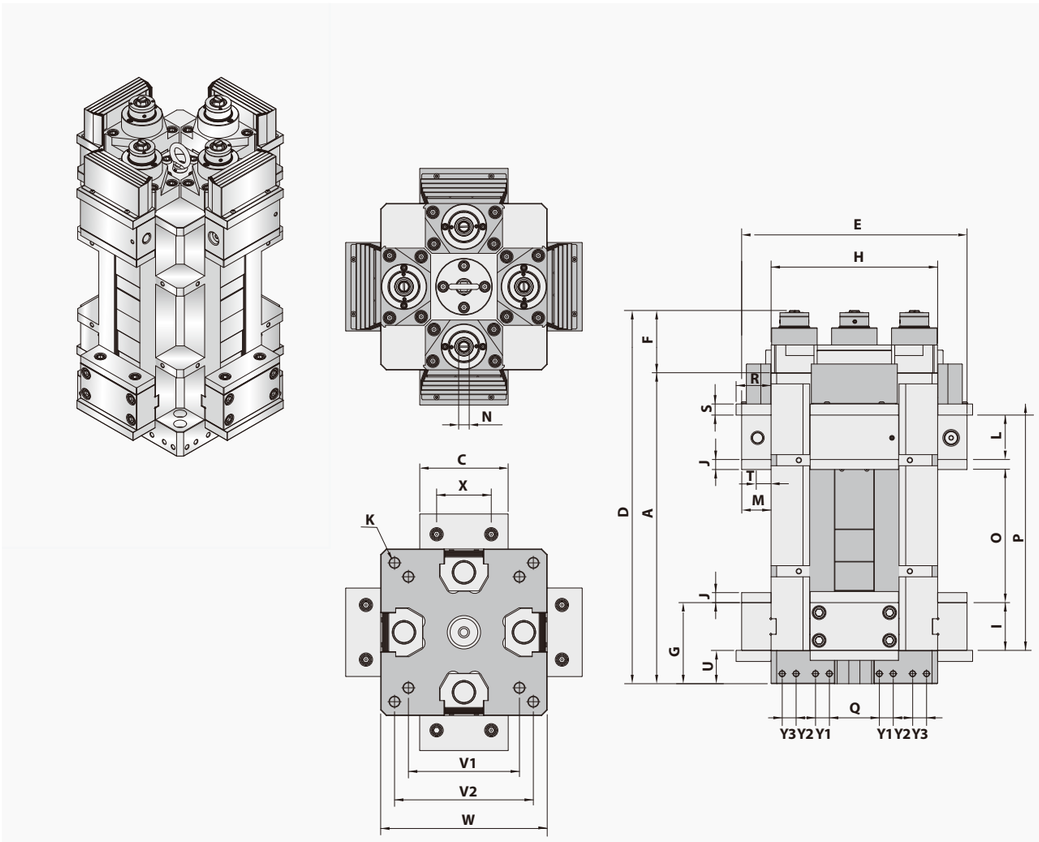
TOMBSTONE
虎鉗組合平台

The maximum clamping force for ALR-6500 is 4500KN.

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

ALR-6500, 最大夾持力為4500KN

本體使用強而有力的球狀石墨鑄鐵FCD60(80,000PSI)抗張力強，不易變形，滑動面均經高周波熱處理HS65度以上



ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V1	V2	W	X	Y1	Y2	Y3	WEIGHT
	mm																												重量
ALR-6500	560	-	159.2	680	406	120	146	300	86	18	M16	80	53	19	330	514	90	63	20	26.5	50	200	250	300	98.4	25	35	25	275kg

TLR-4500, 6500

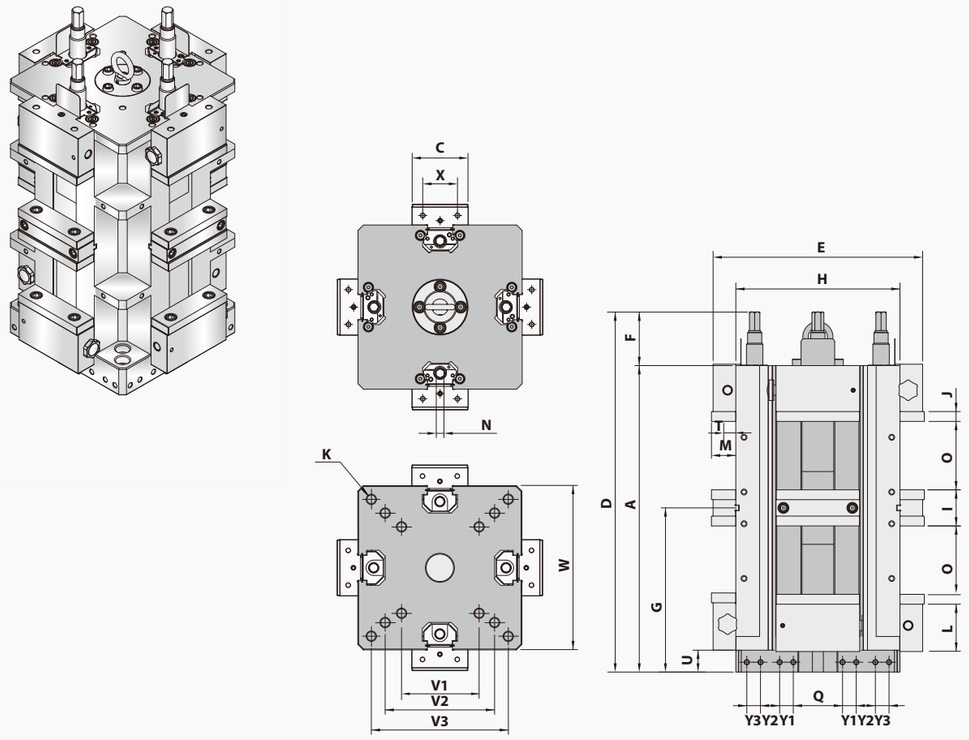
DOUBLE CLAMPING TOMBSTONE
雙虎鉗組合平台

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

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

本體使用強而有力的球狀石墨鑄鐵。

FCD60(80,000PSI)抗張力強，不易變形，滑動面均經高周波熱處理HS65度以上。

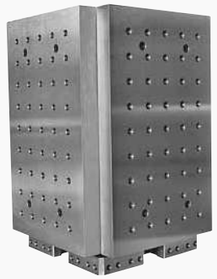


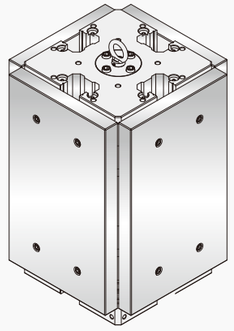
ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Q	R	S	T	U	V1	V2	V3	W	X	Y1	Y2	Y3	WEIGHT
	mm																												重量
TLR-4400	445	-	102	499	366	54	242.5	300	55	15	M16	69	38	14	90	90	-	-	17.5	40	160	200	250	300	63.5	25	35	25	220kg
TLR-6500	560	-	152	660	383	100	300	300	66	18	M16	86.5	44.5	19	125	90	-	-	23.8	50	-	200	250	300	98.4	25	35	25	270kg

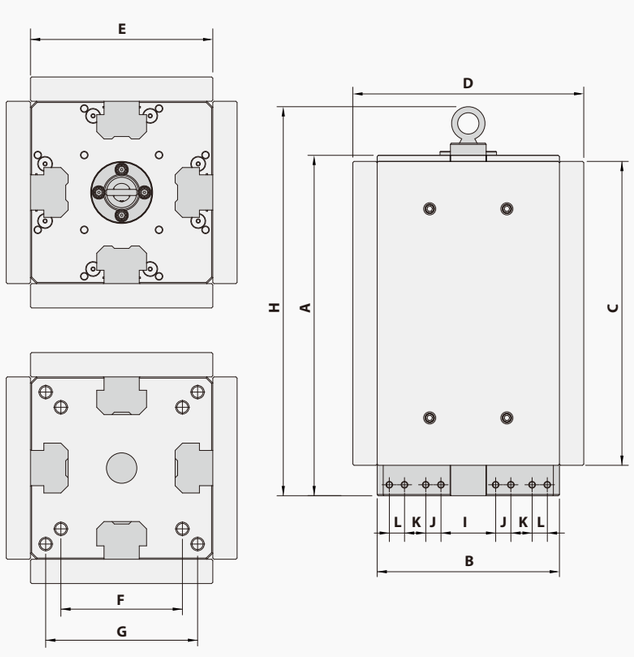
TLR

TOMBSTONE
組合機台









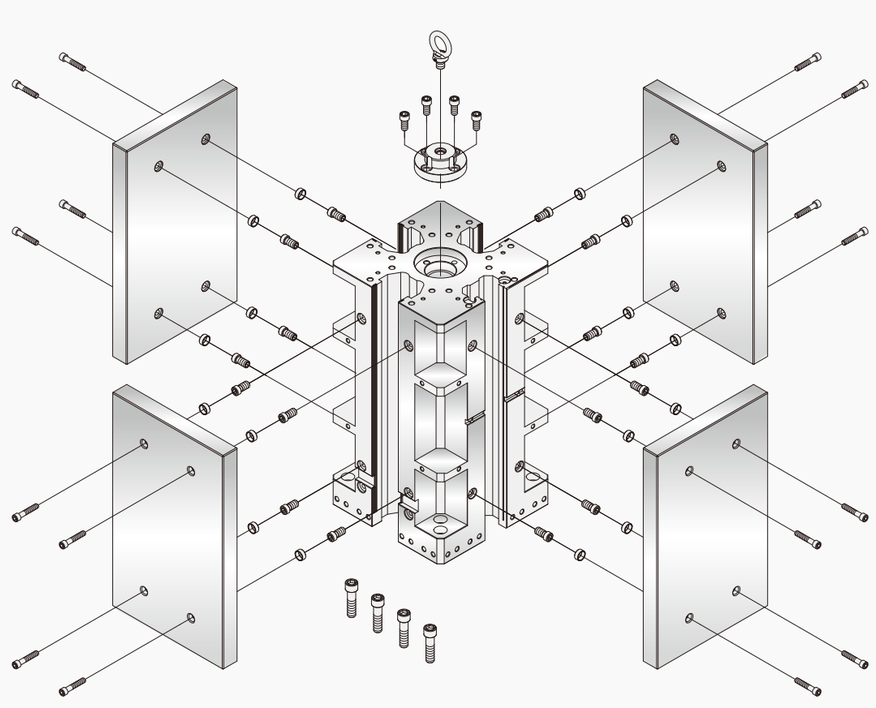
ITEM NO.	A	B	C	D	E	F	G	H	I	J	K	L	WEIGHT 重量
	mm												
TLR0010101	560	300	500	380	300	200	250	630	90	25	35	25	395kg

TLR

TOMBSTONE EXAMPLES
組合機台範例







Assembly Drawing of Tombstone
組合機台裝配圖

ALQ 160,200/V2

V2

2 UPRIGHTS MOUNTING MC MECHANICAL LONG POWER-TYPE PRECISION VISE

二連座加長型倍力增壓式 精密虎鉗

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 FCD60(80,000PSI) vise body. Slide surface flame hardness to HS65° to maintain the accuracy. SC50C jaw-plate has been Carburizing heat treated the hardness to HR54°.

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年獲得臺灣精品獎殊榮。

專利壓力調整機構讓虎鉗可以隨時設定夾持壓力且有定壓及過壓保護裝置。

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。

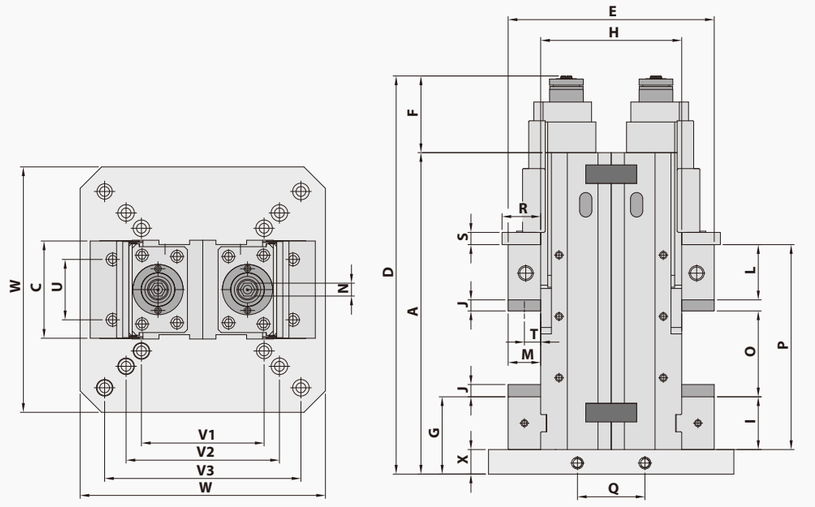
向量式[LOCKWELL]專利設計，使工件產生向下壓力效果，以消除傳統虎鉗操作時所產生之傾斜與偏移。

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及精度；鉗口均才用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容易排出虎鉗內部，延長使用期限。

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	V2	V3	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																									
ALQ-125G/HV	553	159.2	673	336	120	126	230	86	18	80	53	19	330	514	110	63	20	26.5	98.4	200	250	320	400	40	45KN	198kg
ALQ-160G/HV	622.5	199.5	750.5	356	128	141	240	101	18	95	58	19	367.5	581.5	110	73	20	29	120	200	250	320	400	40	50KW	265kg

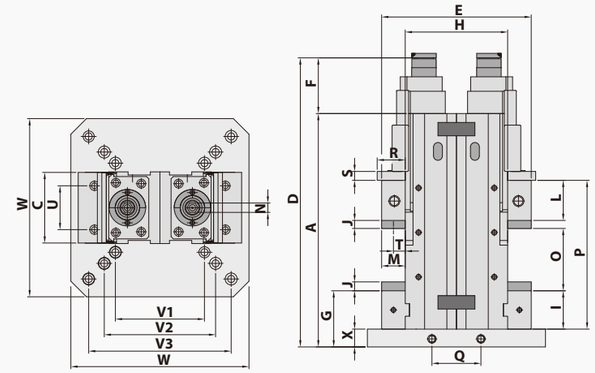
AVQ-100,125,160,200/V2

V2

2 UPRIGHTS MOUNTING MC MECHANICAL POWER-TYPE PRECISION VISE

二連座倍力增壓式 精密虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	V2	V3	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																									
AVQ-100V2	362	102	466	260	104	113	170	73	15	86.5	45	14	140	314.5	100	55	17	22.5	58	160	200	-	320	40	25KN	103kg
AVQ-125V2	428	124.7	533	306	105	118	200	78	15	87.5	53	14	201	381.5	100	63	20	26.5	60	160	200	-	320	40	35KN	135kg
AVQ-160V2	523	159.2	643	336	120	126	230	86	18	80	53	14	295	479	110	63	20	26.5	98.4	200	250	320	400	40	45KN	188kg
AVQ-200V2	572.5	199.5	700.5	356	128	141	240	101	18	95	58	14	320	534	110	73	20	29	120	200	250	320	400	40	50KN	249kg

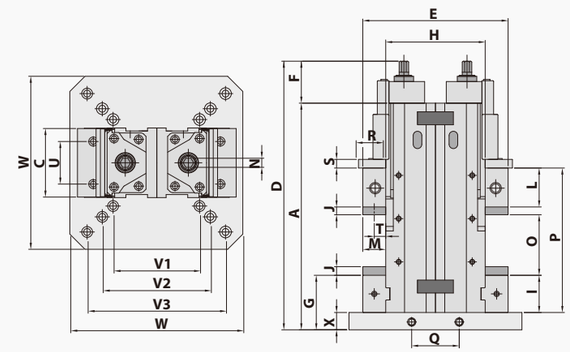
AVL-100,125,160,200,235/V2

V2

2 UPRIGHTS MOUNTING MC LOCKWELL SUPER-TYPE PRECISION VISE

二連座向量式 精密虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	V2	V3	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																									
AVL-100V2	362	102	466	260	104	113	170	73	15	86.5	45	19	140	314.5	100	55	17	22.5	58	160	200	-	320	40	/	97kg
AVL-125V2	428	124.7	533	306	105	118	200	78	15	87.5	53	19	201	381.5	100	63	20	26.5	60	160	200	-	320	40	/	129kg
AVL-160V2	523	159.2	643	336	120	126	230	86	18	80	53	21	295	479	110	63	20	26.5	98.4	200	250	320	400	40	/	188kg
AVL-165V2	553	159.2	673	336	120	126	230	86	18	80	53	21	330	514	110	63	20	26.5	98.4	200	250	320	400	40	/	198kg
AVL-200V2	572.5	199.5	700.5	356	128	141	240	101	18	95	58	19	320	534	110	73	20	29	120	200	250	320	400	40	/	242kg
AVL-235V2	622.5	199.5	750.5	356	128	141	240	101	18	95	58	19	367.5	581.5	110	73	20	29	120	200	250	320	400	40	/	256kg

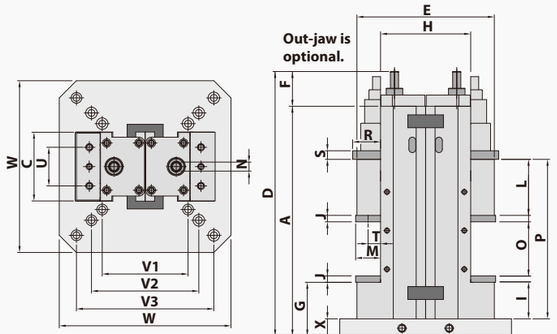
AVC-100, 130, 160, 165, 200 V2

2 UPRIGHTS MOUNTING WELLOCK MC MECHANICAL-TYPE PRECISION VISE

二連座角固式機械 精密虎鉗

V2

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	V2	V3	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																									
AVC-100V2	390	100	470	260	80	105	170	65	15	105	48	19	150	330	100	60	20	22	60	160	200	-	320	40	/	85kg
AVC-130V2	455	130	535	294	80	110	190	70	15	115	55	19	201	400	100	60	20	25	90	160	200	-	320	40	/	113kg
AVC-160V2	535	160	616	320	81	125	210	85	15	130	58	19	250	480	110	65	20	25	90	200	250	320	400	40	/	150kg
AVC-165V2	600	160	681	320	81	125	210	85	15	130	58	19	310	545	110	65	20	25	90	200	250	320	400	40	/	168kg
AVC-200V2	620	200	710	340	90	130	220	90	18	150	63	19	290	550	110	80	30	28	120	200	250	320	400	40	/	197kg

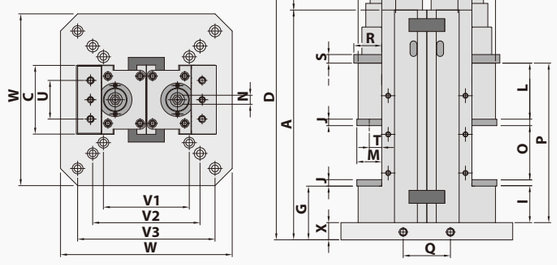
AVM-130, 160, 165, 200 V2

2 UPRIGHTS MOUNTING WELLOCK MC MECHANICAL POWER-TYPE PRECISION VISE

二連座角固式精密機械倍力 增壓虎鉗

V2

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	V2	V3	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																									
AVM-130V2	455	130	565	294	110	110	190	70	15	115	55	19	201	400	100	60	20	25	90	160	200	-	320	40	36KN	119kg
AVM-160V2	535	160	650	320	115	125	210	85	15	130	58	19	245	480	110	65	20	25	90	200	250	320	400	40	40KN	156kg
AVM-165V2	600	160	715	320	115	125	210	85	15	130	58	19	310	545	110	65	20	25	90	200	250	320	400	40	40KN	174kg
AVM-200V2	620	200	748	340	128	130	220	90	18	150	63	19	290	550	110	80	30	28	120	200	250	320	400	40	50KN	220kg

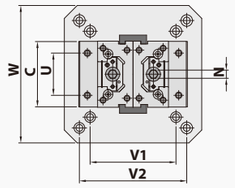
TLD-100, 160 V2

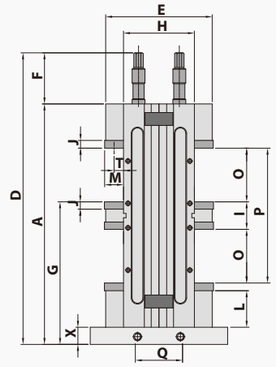
2 UPRIGHTS MOUNTING LOCKWELL DOUBLE STATION-TYPE PRECISION VISE

二連座新雙鵰式 精密虎鉗

V2

DIMENSIONS 尺寸圖





Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	T	U	V1	V2	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
	mm																						
TLD-100V2	445	102	499	193	54	270	127	55	15	69	38	14	90	235	100	17.5	63.5	160	200	320	40	/	84kg
TLD-125V2	560	152	576	248.1	16	333	165.1	66	18	86.5	44.5	19	125	316	100	23.8	98.4	160	200	320	40	/	147kg

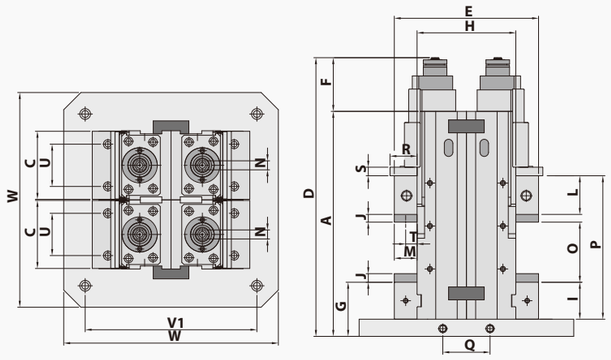
ALQ-160, 200 V4

V4

4 UPRIGHTS MOUNTING MC MECHANICAL LONG POWER-TYPE PRECISION VISE

四連座加長型倍力增壓式虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
																						mm		
ALQ-160HV	553	159.2	673	336	120	126	230	86	18	80	53	19	330	514	150	63	20	26.5	98.4	200	500	40	45KN	377kg
ALQ-200HV	622.5	199.5	750.5	356	128	141	240	101	18	95	58	19	367.5	581.5	150	73	20	29	120	200	500	40	50KN	505kg

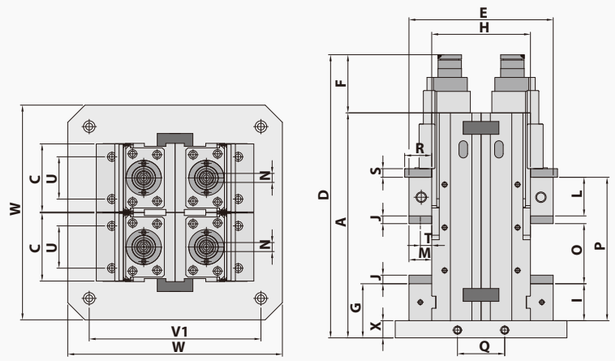
AVQ-100, 125, 160, 200 V4

V4

4 UPRIGHTS MOUNTING MC MECHANICAL POWER-TYPE PRECISION VISE

四連座倍力增壓式精密虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
																						mm		
ALQ-100V4	362	102	466	260	104	113	170	73	15	86.5	45	14	140	314.5	100	55	17	22.5	58	320	400	40	25KN	166kg
ALQ-125V4	428	124.7	533	306	105	118	200	78	15	87.5	53	14	201	381.5	100	63	20	26.5	60	320	400	40	35KN	230kg
ALQ-160V4	523	159.2	634	336	120	126	230	86	18	80	53	14	295	479	110	63	20	26.5	98.4	400	500	40	45KN	357kg
ALQ-200V4	572.5	199.5	700.5	356	128	141	240	101	18	95	58	14	320	534	110	73	20	29	120	400	500	40	50KN	473kg

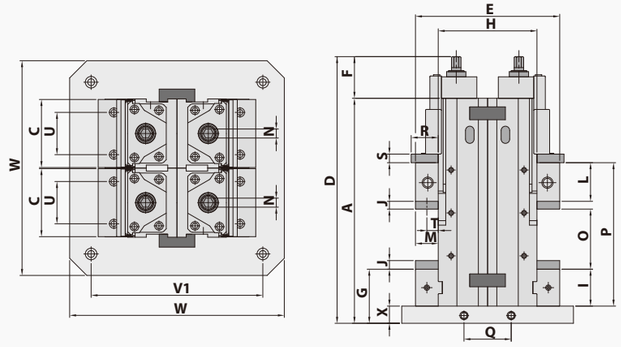
AVL-100, 125, 160, 165, 200, 235 V4

V4

4 UPRIGHTS MOUNTING MC LOCKWELL SUPER-TYPE PRECISION VISE

四連座向量式精密虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
																						mm		
AVL-100V4	362	102	466	260	104	113	170	73	15	86.5	45	14	140	314.5	100	55	17	22.5	58	320	400	40	/	155kg
AVL-125V4	428	124.7	533	306	105	118	200	78	15	87.5	53	14	201	381.5	100	63	20	26.5	60	320	400	40	/	219kg
AVL-160V4	524	159.2	644	336	120	126	230	86	18	80	53	21	295	479	110	63	20	26.5	98.4	400	500	40	/	360kg
AVL-165V4	584	159.2	704	336	120	126	230	86	18	80	53	21	320	514	110	63	20	26.5	98.4	400	500	40	/	380kg
AVL-200V4	562.5	199.5	690.5	356	128	141	240	101	18	95	58	19	320	534	110	73	20	29	120	400	500	40	/	468kg
AVL-235V4	622.5	199.5	750.5	356	128	141	240	101	18	95	58	19	367.5	518.5	110	73	20	29	120	400	500	40	/	496kg

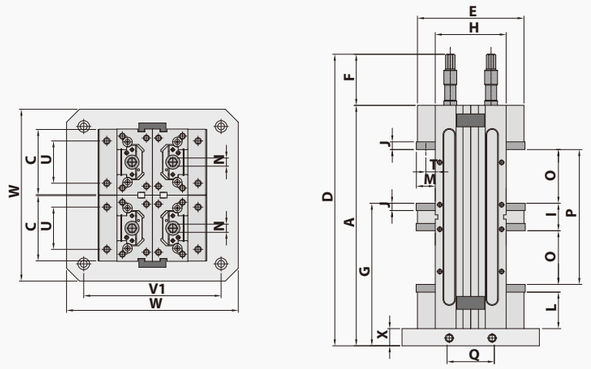
TLD-100, 160 V4

V4

4 UPRIGHTS MOUNTING LOCKWELL DOUBLE STATION-TYPE PRECISION VISE

四連座向量式精密虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!

特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
																						mm		
TLD-100V4	445	102	499	193	54	270	127	55	15	69	38	14	90	235	110	-	-	17.5	63.5	320	400	40	/	126kg
TLD-160V4	560	152	576	248.1	16	333	165.1	66	18	86.5	44.5	19	125	316	110	-	-	23.5	98.4	320	400	40	/	254kg

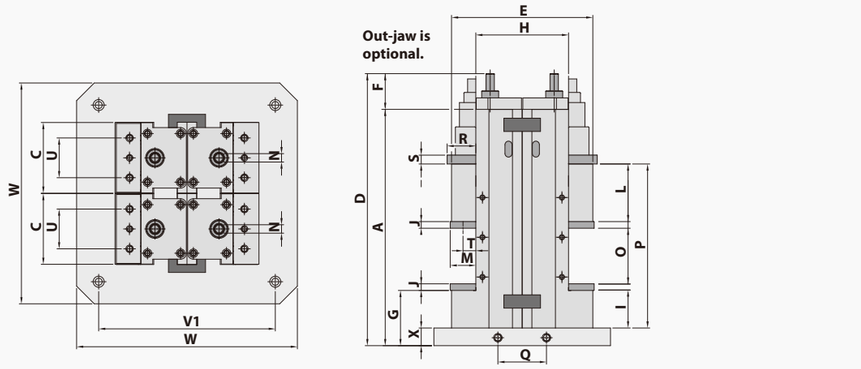
AVC-100, 130, 160, 165, 200 V4

V4

4 UPRIGHTS MOUNTING WELLOCK MC MACHINE-TYPE PRECISION VISE

四連座角固式機械精密虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
																						mm		
AVC-100V4	390	100	470	260	80	105	170	65	15	105	48	19	150	330	100	55	20	22	60	320	400	40	/	131kg
AVC-125V4	455	130	535	294	80	110	190	70	15	115	55	19	201	400	100	60	20	25	60	320	400	40	/	187kg
AVC-160V4	535	160	616	320	81	125	210	85	18	130	58	19	245	480	110	65	20	25	90	400	500	40	/	281kg
AVC-165V4	600	160	681	320	81	125	210	85	18	130	58	19	310	545	110	65	20	25	90	400	500	40	/	317kg
AVC-200V4	620	200	710	340	90	130	220	90	18	150	63	19	290	550	110	80	30	28	120	400	500	40	/	373kg

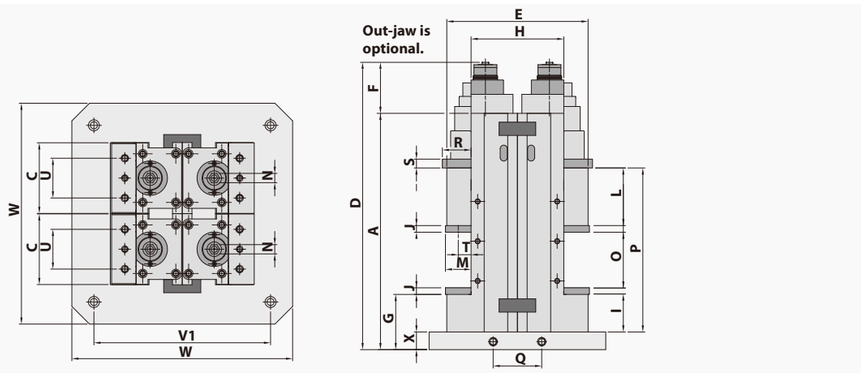
AVM-130, 160, 165, 200 V4

V4

4 UPRIGHTS MOUNTING WELLOCK MC MECHANICAL POWER-TYPE PRECISION VISE

四連座角固式精密機械倍力增壓虎鉗

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V1	W	X	CLAMPING FORCE 夾持力	WEIGHT 重量
																						mm		
AVM-130V4	455	102	565	294	110	110	190	70	15	115	55	19	201	400	100	60	20	25	90	320	400	40	35KN	119kg
AVM-160V4	635	160	650	320	115	125	210	85	15	130	58	19	245	480	110	65	20	25	90	400	500	40	43KN	156kg
AVM-165V4	600	160	715	320	115	125	210	85	15	130	58	19	310	545	110	65	20	25	90	400	500	40	43KN	174kg
AVM-200V4	620	200	748	340	128	130	220	90	18	150	63	19	290	550	110	80	30	28	120	400	500	40	60KN	202kg

ABP-01

BASE PLATE

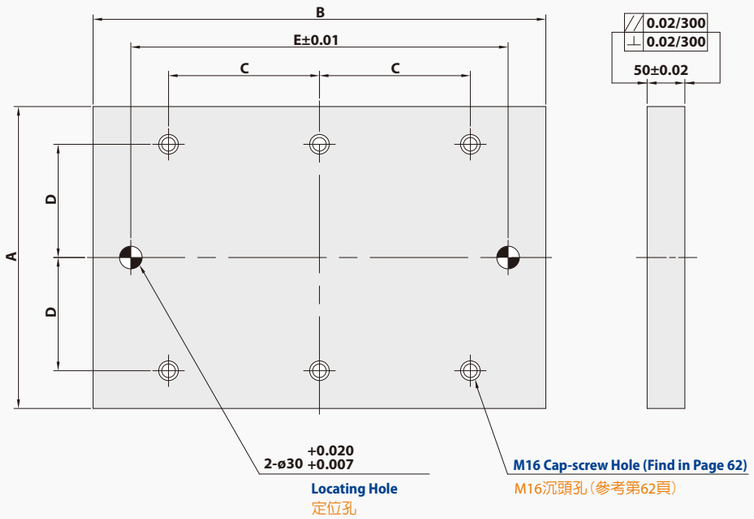
MC基板

MC Base Plate
Material: FC30
Heat treated: Normalized
Application: Vertical Machining Center
Features: Ready to accept a hole pattern for your special jig.

MC基板
材質：FC30
熱處理：燒鈍
用途：適用於立式MC
特長：可依實際需要，自行專孔加工製作專用治具。



DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	WEIGHT 重量
					mm	
ABP01-50400-0600	400	600	200	150	500	88kg
ABP01-50500-0600	500	600	200	200	500	106kg
ABP01-50600-0600	600	600	200	250	500	127kg
ABP01-50400-0800	400	800	300	150	700	113kg
ABP01-50450-0900	450	900	350	175	800	142kg
ABP01-50500-1000	500	1000	400	200	900	176kg
ABP01-50600-1200	600	1200	500	250	1100	265kg

ABP-02

BASE PLATE

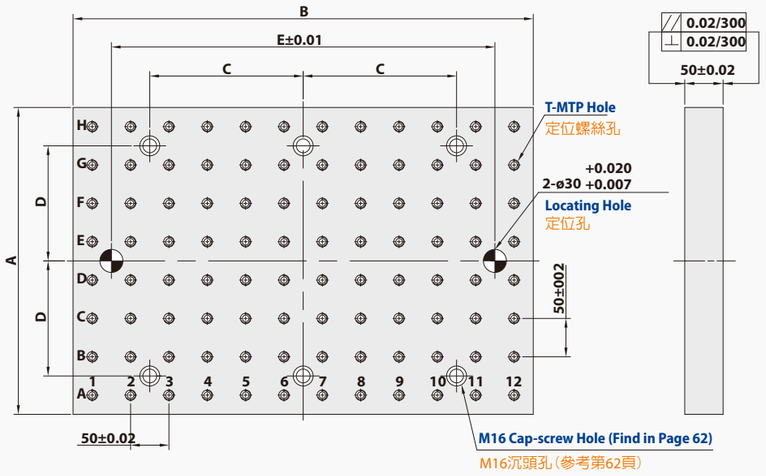
MC基板

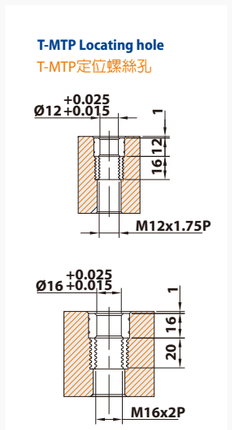
MC Base Plate
Material: FC30
Heat treated: Normalized
Application: Vertical Machining Center
Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.

材質：FC30
熱處理：燒鈍
用途：適用於立式MC
特長：以孔定位方式，利用標準化治具零件，
可快速組立完成一套符合需求之治具。



DIMENSIONS 尺寸圖





Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	T	WEIGHT 重量
						mm	
ABP02-50400-0600-12	400	600	200	150	500	M12	90kg
ABP02-50500-0600-12	500	600	200	200	500	M12	112kg
ABP02-50600-0600-12	600	600	200	250	500	M12	134kg
ABP02-50400-0800-12	400	800	300	150	700	M12	109kg
ABP02-50450-0900-12	450	900	350	175	800	M12	138kg
ABP02-50500-1000-12	500	1000	400	200	900	M12	165kg
ABP02-50600-1200-12	600	1200	500	250	1100	M12	244kg
ABP02-50400-0600-16	400	600	200	150	500	M16	89kg
ABP02-50500-0600-16	500	600	200	200	500	M16	108kg
ABP02-50600-0600-16	600	600	200	250	500	M16	120kg
ABP02-50400-0800-16	400	800	300	150	700	M16	108kg
ABP02-50450-0900-16	450	900	350	175	800	M16	134kg
ABP02-50500-1000-16	500	1000	400	200	900	M16	164kg
ABP02-50600-1200-16	600	1200	500	250	1100	M16	240kg

ABP-03

BASE PLATE

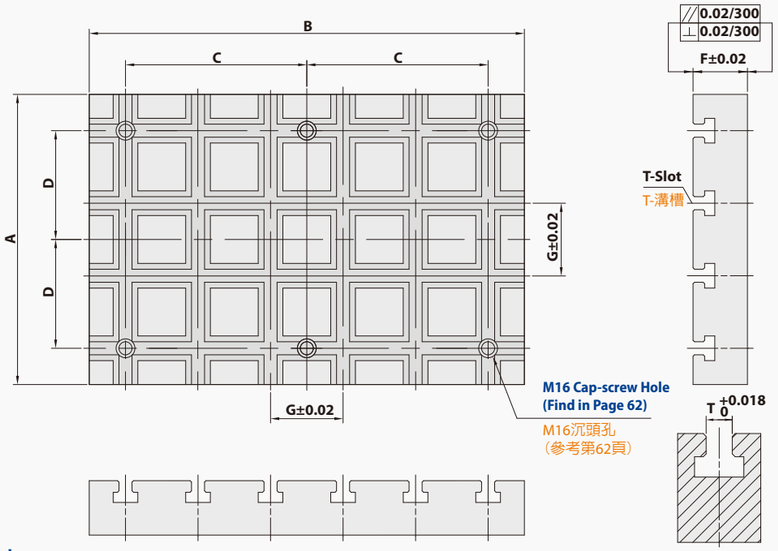
MC基板

MC Base Plate
Material: FC30
Heat treated: Normalized
Application: Vertical Machining Center
Features: T-Slots running in 2 directions, easily adapts to standardize jig components.

材質：FC30
熱處理：燒鈍
用途：適用於立式MC
特長：以T型溝定位方式，利用標準化治具零件，
可快速組立完成一套符合需求之治具。



DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	T	WEIGHT 重量
							mm	
ABP03-60400-0600-14	400	600	250	300	100	60	14	92kg
ABP03-60500-0600-14	500	600	250	400	100	60	14	115kg
ABP03-60600-0600-14	600	600	250	200	100	60	14	130kg
ABP03-60400-0800-14	400	800	350	300	100	60	14	117kg
ABP03-60450-0900-14	450	900	400	350	100	60	14	168kg
ABP03-60500-1000-14	500	1000	450	400	100	60	14	198kg
ABP03-60600-1200-14	600	1200	550	500	100	60	14	264kg
ABP03-75400-0600-18	400	600	250	300	100	75	18	118kg
ABP03-75500-0600-18	500	600	250	400	100	75	18	147kg
ABP03-75600-0600-18	600	600	250	200	100	75	18	173kg
ABP03-75400-0800-18	400	800	350	300	100	75	18	151kg
ABP03-75450-0900-18	450	900	400	350	100	75	18	182kg
ABP03-75500-1000-18	500	1000	450	400	100	75	18	228kg
ABP03-75600-1200-18	600	1200	550	500	100	75	18	329kg

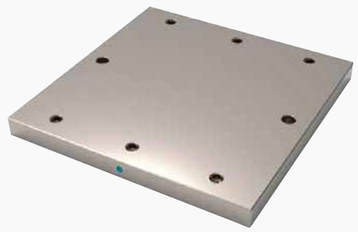
ABP-04

BASE PLATE

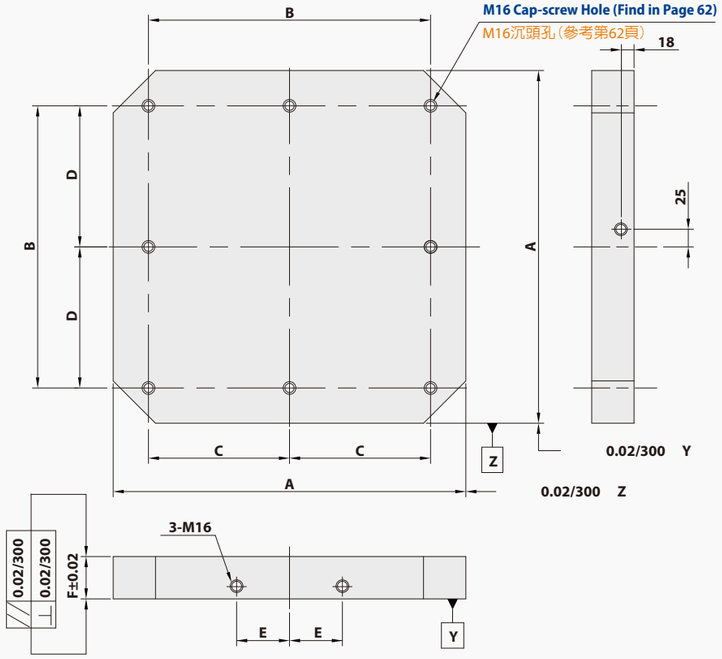
MC基板

MC Base Plate
Material: FC30
Heat treated: Normalized
Application: Vertical Machining Center
Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.

材質：FC30
熱處理：燒鈍
用途：適用於立式MC
特長：以孔定位方式，利用標準化治具零件，
可快速組立完成一套符合需求之治具。



DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	WEIGHT 重量
						mm	
ABP04-50400-0400	400	320	160	160	55	50	57kg
ABP04-50500-0500	500	400	200	200	75	50	88kg
ABP04-50630-0630	630	500	250	250	100	50	140kg
ABP04-50800-0800	800	640	320	320	135	50	225kg

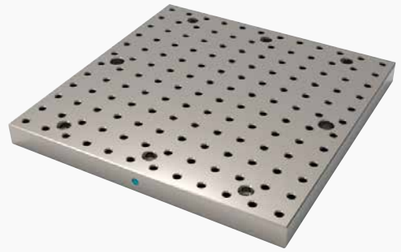
ABP-05

BASE PLATE

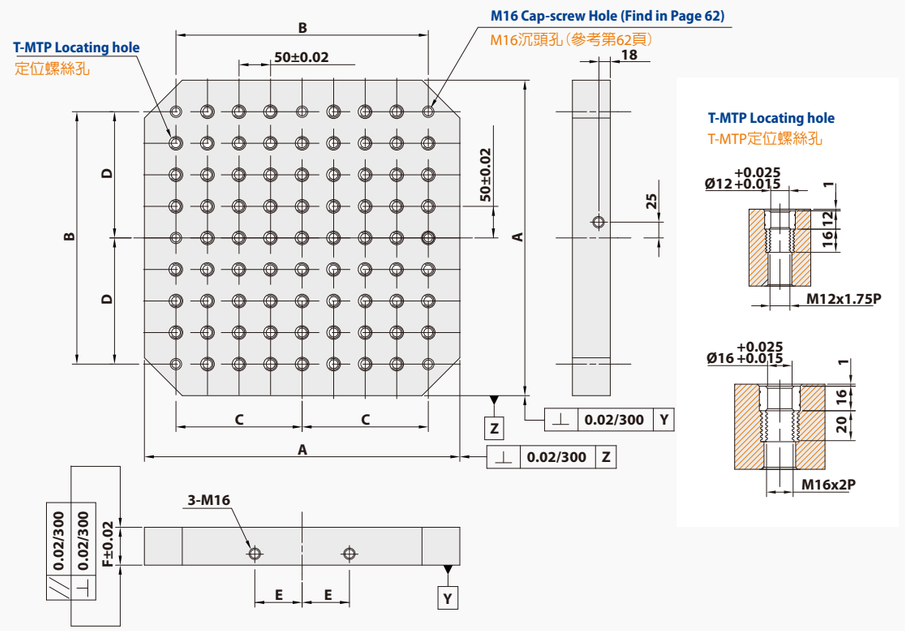
MC基板

MC Base Plate
Material: FC30
Heat treated: Normalized
Application: Vertical Machining Center
Features: T-Slots running in 2 directions, easily adapts to standardize jig components.

材質：FC30
熱處理：燒鈍
用途：適用於立式MC
特長：以T型溝定位方式，利用標準化治具零件，
可快速組立完成一套符合需求之治具。



DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	T	WEIGHT 重量
							mm	
ABP05-50400-0400-12	400	320	160	160	55	50	12	54kg
ABP05-50500-0500-12	500	400	200	200	75	50	12	83kg
ABP05-50630-0630-12	630	500	250	250	100	50	12	135kg
ABP05-50800-0800-12	800	640	320	320	135	50	12	206kg
ABP05-50400-0400-16	400	320	160	160	55	50	16	52kg
ABP05-50500-0500-16	500	400	200	200	75	50	16	80kg
ABP05-50630-0630-16	630	500	250	250	100	50	16	130kg
ABP05-50800-0800-16	800	640	320	320	135	50	16	247kg

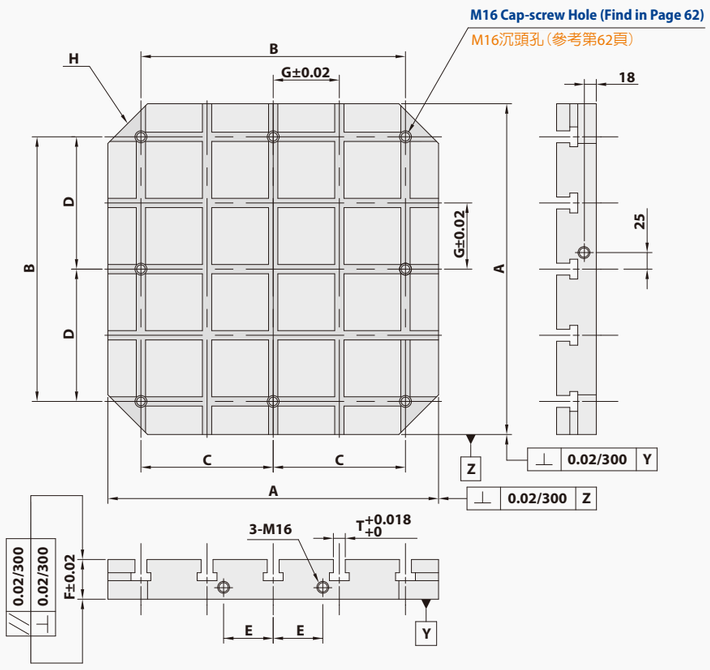
ABP-06
BASE PLATE
MC基板

MC Base Plate
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: T-Slots running in 2 directions, easily adapts to standardize jig components.

材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以T型溝定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。



DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	T	WEIGHT 重量
								mm	
ABP06-60400-0400-14	400	320	160	160	55	60	80	14	56kg
ABP06-60500-0500-14	500	400	200	200	75	60	100	14	90kg
ABP06-60630-0630-14	630	500	250	250	100	60	125	14	150kg
ABP06-60800-0800-14	800	640	320	320	135	60	160	14	230kg
ABP06-75400-0400-18	400	320	160	160	55	75	80	18	68kg
ABP06-75500-0500-18	500	400	200	200	75	75	100	18	108kg
ABP06-75630-0630-18	630	500	250	250	100	75	125	18	180kg
ABP06-75800-0800-18	800	640	320	320	135	75	160	18	295kg

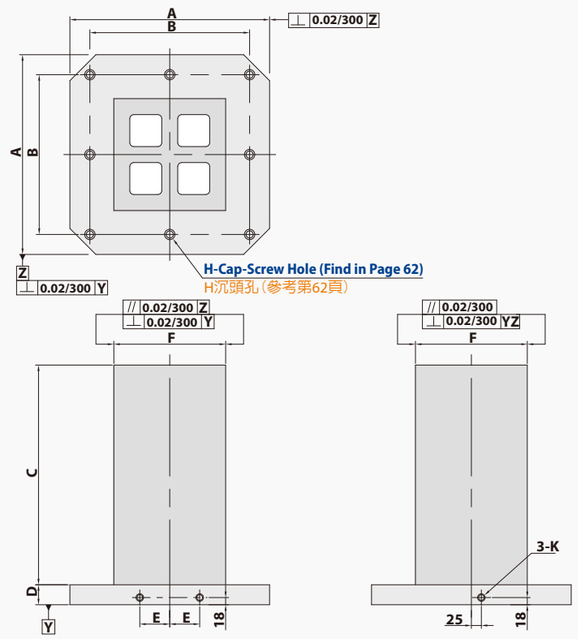
ABP-07
SQUARE TOOLING COLUMN
MC四面基座

MC Square Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Ready to accept a hole pattern for your special jig.

材質：FC30
熱處理：燒鈍
用途：適用於臥式臥式MC
特長：可依實際需要，自行鑽孔加工製作專用治具。



DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	H	K	WEIGHT 重量
								mm	
ABP07-300300-0500	300	250	450	50	40	150	M12	M12	90kg
ABP07-400400-0500	400	320	450	50	55	250	M16	M16	160kg
ABP07-400400-0650	400	320	600	50	55	250	M16	M16	210kg
ABP07-500500-0600	500	400	550	50	75	300	M16	M16	250kg
ABP07-500500-0750	500	400	700	50	75	300	M16	M16	310kg
ABP07-630630-0700	630	500	650	50	100	350	M16	M16	400kg
ABP07-630630-0850	630	500	800	50	100	350	M16	M16	460kg
ABP07-800800-0800	800	640	750	50	135	500	M16	M16	680kg
ABP07-800800-1000	800	640	950	50	135	500	M16	M16	800kg
ABP07-10001000-1000	1000	800	945	55	165	600	M20	M16	1164kg
ABP07-10001000-1250	1000	800	1195	55	165	600	M20	M16	1391kg

ABP-08

SQUARE TOOLING COLUMN

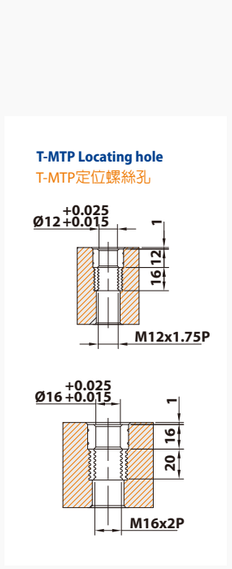
MC四面基座

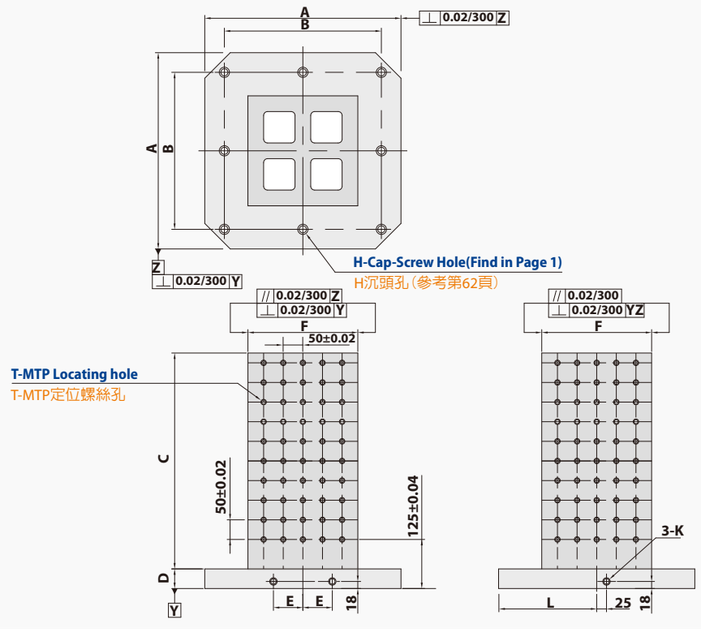
MC Square Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以孔定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

DIMENSIONS 尺寸圖





Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	H	K	L	T	WEIGHT 重量
										mm	
ABP08-300300-0500-12	300	250	450	50	40	150	M12	M12	150	M12-64	90kg
ABP08-400400-0500-12	400	320	450	50	55	250	M16	M16	200	M12-128	155kg
ABP08-400400-0650-12	400	320	600	50	55	250	M16	M16	200	M12-176	200kg
ABP08-500500-0600-12	500	400	550	50	75	300	M16	M16	250	M12-200	240kg
ABP08-500500-0750-12	500	400	700	50	75	300	M16	M16	250	M12-260	300kg
ABP08-630630-0700-12	630	500	650	50	100	350	M16	M16	315	M12-288	360kg
ABP08-630630-0850-12	630	500	800	50	100	350	M16	M16	315	M12-360	445kg
ABP08-800800-0800-12	800	640	750	50	135	500	M16	M16	400	M12-504	635kg
ABP08-800800-1000-12	800	640	950	50	135	500	M16	M16	400	M12-648	780kg
ABP08-10001000-1000-12	1000	800	945	55	165	600	M20	M16	500	M12-792	1164kg
ABP08-10001000-1250-12	1000	800	1195	55	165	600	M20	M16	500	M12-1012	1391kg
ABP08-300300-0500-16	300	250	450	50	40	150	M12	M12	150	M16-64	90kg
ABP08-400400-0500-16	400	320	450	50	55	250	M16	M16	200	M16-128	152kg
ABP08-400400-0650-16	400	320	600	50	55	250	M16	M16	200	M16-176	195kg
ABP08-500500-0600-16	500	400	550	50	75	300	M16	M16	250	M16-200	235kg
ABP08-500500-0750-16	500	400	700	50	75	300	M16	M16	250	M16-260	295kg
ABP08-630630-0700-16	630	500	650	50	100	350	M16	M16	315	M16-288	365kg
ABP08-630630-0850-16	630	500	800	50	100	350	M16	M16	315	M16-360	440kg
ABP08-800800-0800-16	800	640	750	50	135	500	M16	M16	400	M16-504	630kg
ABP08-800800-1000-16	800	640	950	50	135	500	M16	M16	400	M16-648	770kg
ABP08-10001000-1000-16	1000	800	945	55	165	600	M20	M16	500	M16-792	1164kg
ABP08-10001000-1250-16	1000	800	1195	55	165	600	M20	M16	500	M16-1012	1391kg

ABP-09

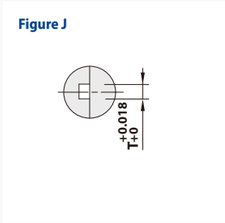
SQUARE TOOLING COLUMN

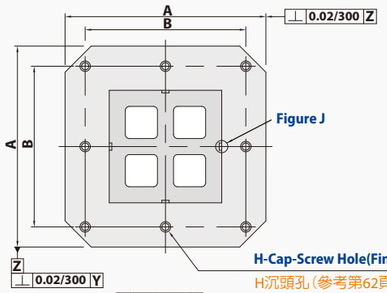
MC四面基座

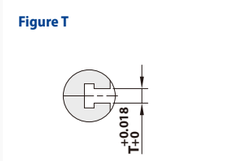
MC Square Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: T-Slots running horizontally, key-way running vertically, easily adapts to standardized jig components.

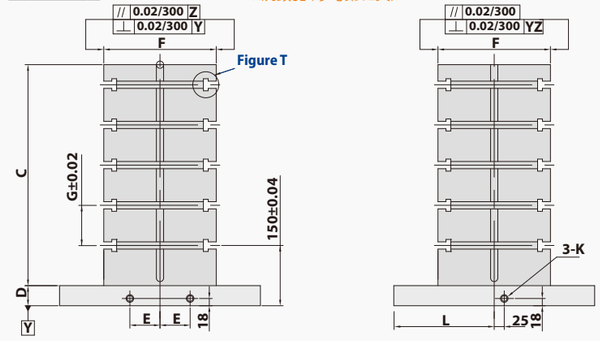
材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以T型溝定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

DIMENSIONS 尺寸圖









Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	K	L	T	WEIGHT
											mm	
ABP09-400400-0500-14	400	320	450	50	55	250	100	M16	M16	200	14	160kg
ABP09-400400-0650-14	400	320	600	50	55	250	100	M16	M16	200	14	200kg
ABP09-500500-0600-14	500	400	550	50	75	300	100	M16	M16	250	14	270kg
ABP09-500500-0750-14	500	400	700	50	75	300	100	M16	M16	250	14	300kg
ABP09-630630-0700-14	630	500	650	50	100	350	125	M16	M16	315	14	375kg
ABP09-630630-0850-14	630	500	800	50	100	350	125	M16	M16	315	14	460kg
ABP09-800800-0800-14	800	640	750	50	135	500	150	M16	M16	400	14	655kg
ABP09-800800-1000-14	800	640	950	50	135	500	150	M16	M16	400	14	800kg
ABP09-10001000-1000-14	1000	800	945	55	165	600	160	M20	M16	500	14	1146kg
ABP09-10001000-1250-14	1000	800	1195	55	165	600	160	M20	M16	500	14	1358kg
ABP09-400400-0500-18	400	320	450	50	55	250	100	M16	M16	200	18	155kg
ABP09-400400-0650-18	400	320	600	50	55	250	100	M16	M16	200	18	190kg
ABP09-500500-0600-18	500	400	550	50	75	300	100	M16	M16	250	18	265kg
ABP09-500500-0750-18	500	400	700	50	75	300	100	M16	M16	250	18	290kg
ABP09-630630-0700-18	630	500	650	50	100	350	125	M16	M16	315	18	365kg
ABP09-630630-0850-18	630	500	800	50	100	350	125	M16	M16	315	18	450kg
ABP09-800800-0800-18	800	640	750	50	135	500	150	M16	M16	400	18	638kg
ABP09-800800-1000-18	800	640	950	50	135	500	150	M16	M16	400	18	790kg
ABP09-10001000-1000-18	1000	800	945	55	165	600	160	M20	M16	500	18	1146kg
ABP09-10001000-1250-18	1000	800	1195	55	165	600	160	M20	M16	500	18	1358kg

ABP-10

DOUBLE SIDED TOOLING COLUMN

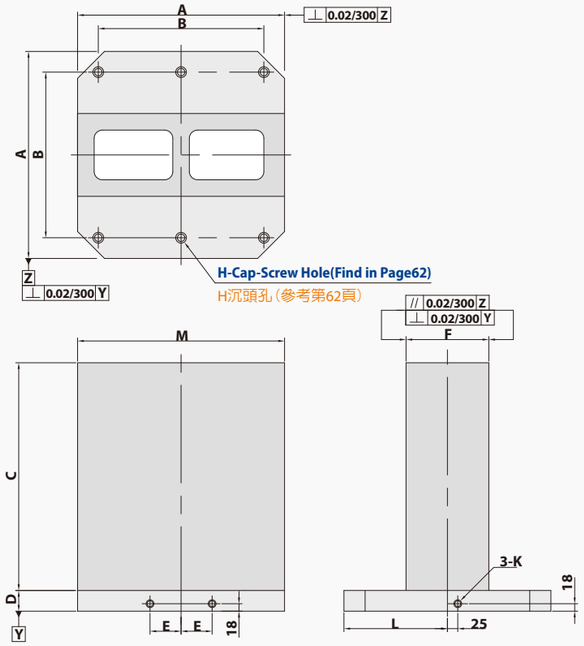
MC雙面基座

MC Double Sided Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Ready to accept a hole pattern for your special jig.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：可依實際需要，自行鑽孔加工製作專用治具。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	H	K	L	M	WEIGHT 重量
										mm	
ABP10-300300-0500	300	250	450	50	40	80	M12	M12	150	300	115kg
ABP10-400400-0500	400	320	450	50	55	150	M16	M16	200	400	170kg
ABP10-400400-0650	400	320	600	50	55	150	M16	M16	200	400	215kg
ABP10-500500-0600	500	400	550	50	75	200	M16	M16	250	500	270kg
ABP10-500500-0750	500	400	700	50	75	200	M16	M16	250	500	350kg
ABP10-630630-0700	630	500	650	50	100	250	M16	M16	315	630	445kg
ABP10-630630-0850	630	500	800	50	100	250	M16	M16	315	630	520kg
ABP10-800800-0800	800	640	750	50	135	300	M16	M16	400	800	675kg
ABP10-800800-1000	800	640	950	50	135	300	M16	M16	400	800	815kg
ABP10-10001000-1000	1000	800	945	55	165	350	M20	M16	500	1000	1162kg
ABP10-10001000-1250	1000	800	1195	55	165	350	M20	M16	500	1000	1377kg

ABP-11

DOUBLE SIDED TOOLING COLUMN

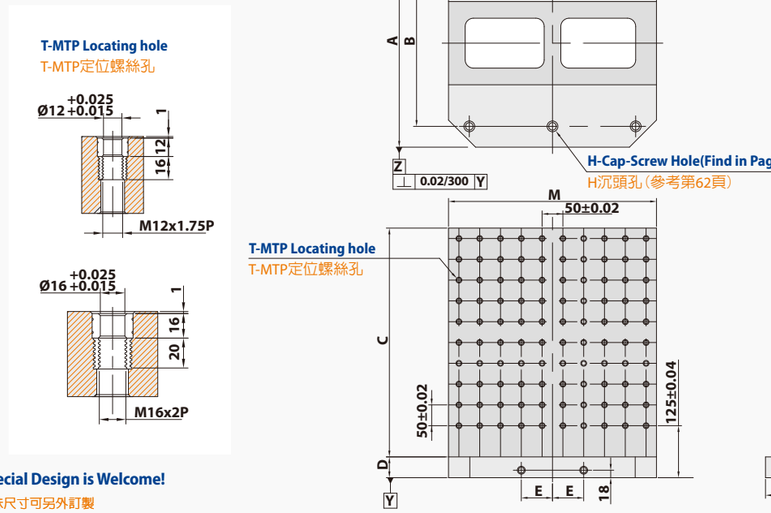
MC雙面基座

MC Double Sided Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以孔定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	H	K	L	M	T	WEIGHT 重量
											mm	
ABP11-300300-0500-12	300	250	450	50	40	80	M12	M12	150	300	M12	110kg
ABP11-400400-0500-12	400	320	450	50	55	150	M16	M16	200	400	M12	165kg
ABP11-400400-0650-12	400	320	600	50	55	150	M16	M16	200	400	M12	210kg
ABP11-500500-0600-12	500	400	550	50	75	200	M16	M16	250	500	M12	265kg
ABP11-500500-0750-12	500	400	700	50	75	200	M16	M16	250	500	M12	335kg
ABP11-630630-0700-12	630	500	650	50	100	250	M16	M16	315	630	M12	435kg
ABP11-630630-0850-12	630	500	800	50	100	250	M16	M16	315	630	M12	515kg
ABP11-800800-0800-12	800	640	750	50	135	300	M16	M16	400	800	M12	660kg
ABP11-800800-1000-12	800	640	950	50	135	300	M16	M16	400	800	M12	800kg
ABP11-10001000-1000-12	1000	800	945	55	165	350	M20	M16	500	1000	M12	1158kg
ABP11-10001000-1250-12	1000	800	1195	55	165	350	M20	M16	500	1000	M12	1375kg
ABP11-300300-0500-16	300	250	450	50	40	80	M12	M12	150	300	M16	105kg
ABP11-400400-0500-16	400	320	450	50	55	150	M16	M16	200	400	M16	160kg
ABP11-400400-0650-16	400	320	600	50	55	150	M16	M16	200	400	M16	205kg
ABP11-500500-0600-16	500	400	550	50	75	200	M16	M16	250	500	M16	260kg
ABP11-500500-0750-16	500	400	700	50	75	200	M16	M16	250	500	M16	330kg
ABP11-630630-0700-16	630	500	650	50	100	250	M16	M16	315	630	M16	430kg
ABP11-630630-0850-16	630	500	800	50	100	250	M16	M16	315	630	M16	505kg
ABP11-800800-0800-16	800	640	750	50	135	300	M16	M16	400	800	M16	650kg
ABP11-800800-1000-16	800	640	950	50	135	300	M16	M16	400	800	M16	790kg
ABP11-10001000-1000-16	1000	800	945	55	165	350	M20	M16	500	1000	M16	1158kg
ABP11-10001000-1250-16	1000	800	1195	55	165	350	M20	M16	500	1000	M16	1375kg

ABP-12

DOUBLE SIDED TOOLING COLUMN

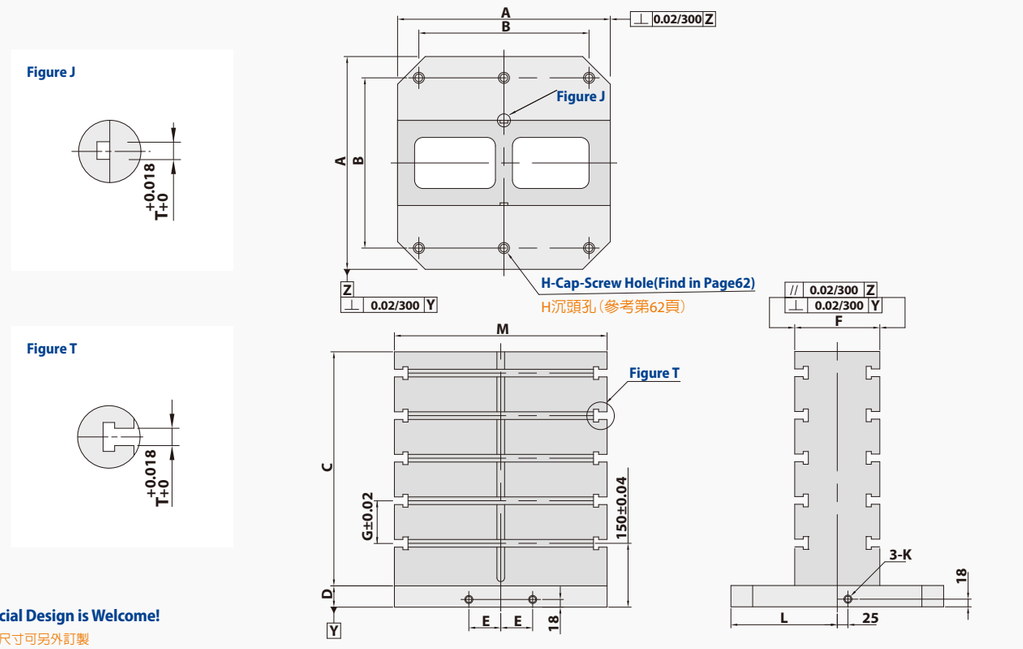
MC四面基座

MC Double Sided Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: T-Slots running in 2 directions, easily adapts to standardized jig components.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以T型溝定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	K	L	M	T	WEIGHT 重量
												mm	
ABP12-400400-0500-14	400	320	450	50	55	150	100	M16	M16	200	400	14	170kg
ABP12-400400-0650-14	400	320	600	50	55	150	100	M16	M16	200	400	14	220kg
ABP12-500500-0600-14	500	400	550	50	75	200	100	M16	M16	250	500	14	290kg
ABP12-500500-0750-14	500	400	700	50	75	200	100	M16	M16	250	500	14	335kg
ABP12-630630-0700-14	630	500	650	50	100	250	125	M16	M16	315	630	14	440kg
ABP12-630630-0850-14	630	500	800	50	100	250	125	M16	M16	315	630	14	515kg
ABP12-800800-0800-14	800	640	750	50	135	300	150	M16	M16	400	800	14	670kg
ABP12-800800-1000-14	800	640	950	50	135	300	150	M16	M16	400	800	14	790kg
ABP12-10001000-1000-14	1000	800	945	55	165	350	150	M20	M16	500	1000	14	1158kg
ABP12-10001000-1250-14	1000	800	1195	55	165	350	150	M20	M16	500	1000	14	1375kg
ABP12-400400-0500-18	400	320	450	50	55	150	100	M16	M16	200	400	18	165kg
ABP12-400400-0650-18	400	320	600	50	55	150	100	M16	M16	200	400	18	210kg
ABP12-500500-0600-18	500	400	550	50	75	200	100	M16	M16	250	500	18	280kg
ABP12-500500-0750-18	500	400	700	50	75	200	100	M16	M16	250	500	18	325kg
ABP12-630630-0700-18	630	500	650	50	100	250	125	M16	M16	315	630	18	430kg
ABP12-630630-0850-18	630	500	800	50	100	250	125	M16	M16	315	630	18	500kg
ABP12-800800-0800-18	800	640	750	50	135	300	150	M16	M16	400	800	18	660kg
ABP12-800800-1000-18	800	640	950	50	135	300	150	M16	M16	400	800	18	785kg
ABP12-10001000-1000-18	1000	800	945	55	165	350	150	M20	M16	500	1000	18	1158kg
ABP12-10001000-1250-18	1000	800	1195	55	165	350	150	M20	M16	500	1000	18	1375kg

ABP-13

MODULAR TOOLING COLUMN

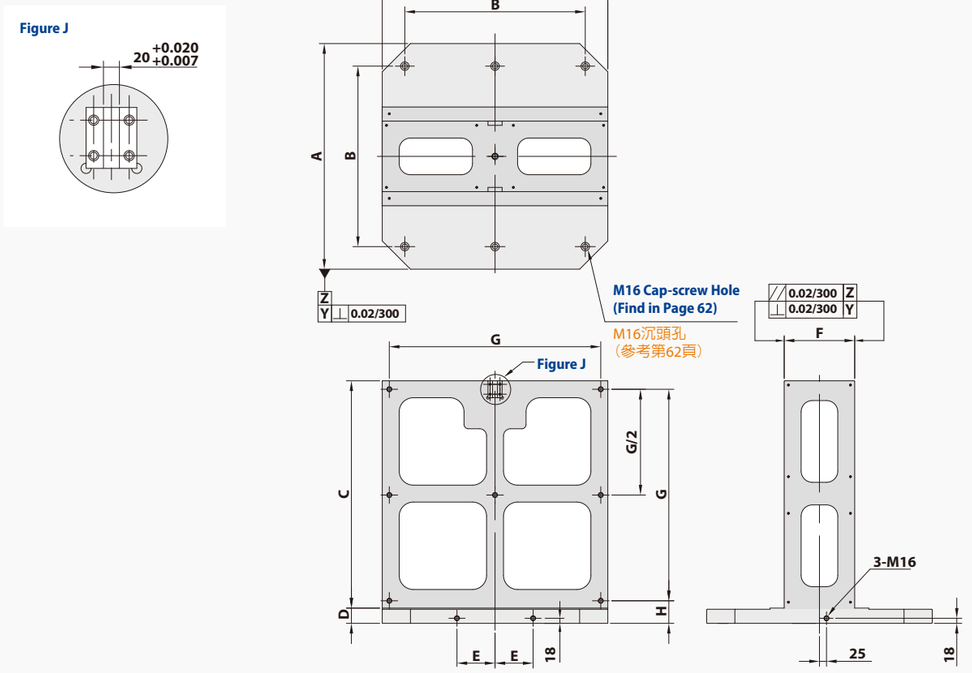
MC替換式雙面基座

MC Modular Tooling Column
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Modular quick-change system, simple 3 point mounting, use with sub-plates.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：可利用輔助板替換使用，已達快速換模之目的。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	WEIGHT 重量
								mm	
ABP13-400400-0450	400	320	400	50	55	130	350	70	125kg
ABP13-500500-0555	500	400	500	55	75	150	450	75	178kg
ABP13-630630-0690	630	500	630	60	100	220	580	80	350kg
ABP13-800800-0860	800	640	800	60	135	250	750	80	515kg

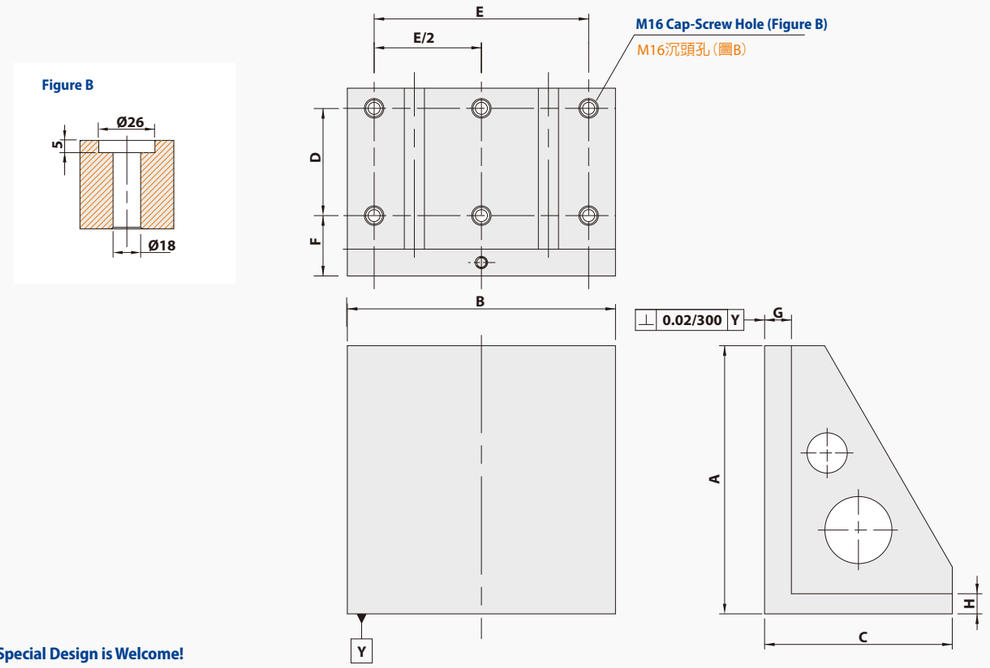
ABP-16
ANGLE PLATE
MC直角基座

MC Angle Plate
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Ready to accept a hole pattern for your special jig.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：可利用輔助板替換使用，已達快速換模之目的。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	Mounting holes 安裝孔	WEIGHT 重量
	mm									
ABP16-220300-0300	300	300	220	100	250	90	40	30	6	50kg
ABP16-280400-0400	400	400	280	160	320	90	40	30	6	90kg
ABP16-340500-0500	500	500	340	200	400	90	50	35	6	165kg
ABP16-435630-0630	630	630	435	250	500	100	50	40	6	275kg
ABP16-525800-0800	800	800	525	320	640	115	50	45	6	475kg

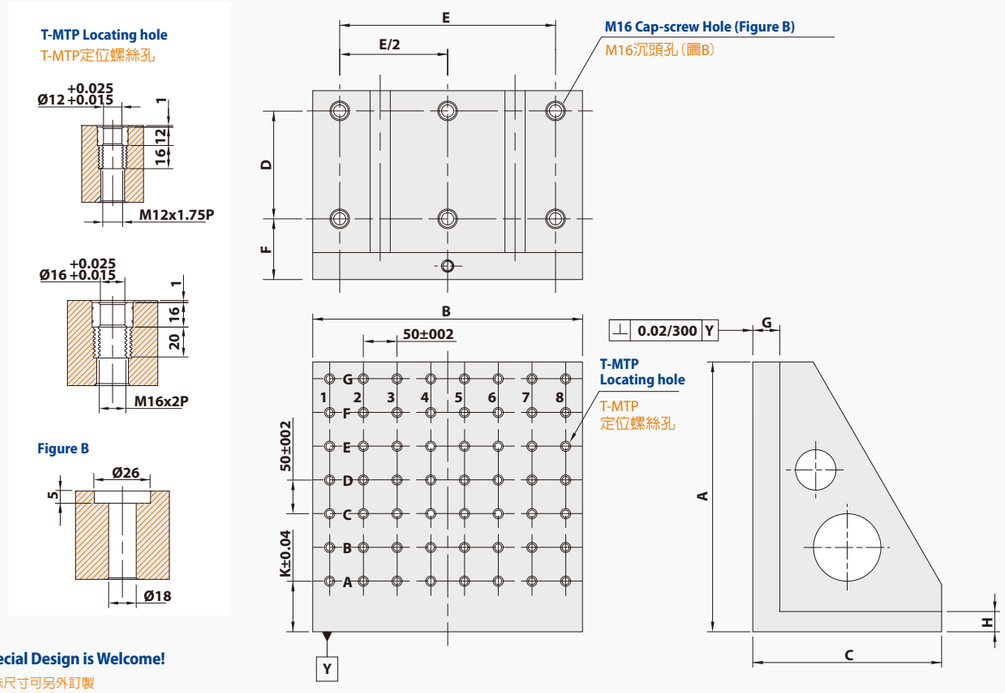
ABP-17
ANGLE PLATE
MC直角基座

MC Angle Plate
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: Alignment bushing & thread insert at every hole location, easily adapts to standardized jig components.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以孔定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	T		K	MTP	Mounting holes 安裝孔	WEIGHT 重量
	mm										mm			
ABP17-220300-0300-12	300	300	220	100	250	90	40	30	Ø12	M12	75	30	6	50kg
ABP17-280400-0400-12	400	400	280	160	320	90	40	30	Ø12	M12	75	56	6	87kg
ABP17-340500-0500-12	500	500	340	200	400	90	50	35	Ø12	M12	75	90	6	173kg
ABP17-435630-0630-12	630	630	435	250	500	100	50	40	Ø12	M12	40	144	6	300kg
ABP17-525800-0800-12	800	800	525	320	640	115	50	45	Ø12	M12	75	240	6	477kg
ABP17-220300-0300-16	300	300	220	100	250	90	40	30	Ø16	M16	75	30	6	46kg
ABP17-280400-0400-16	400	400	280	160	320	90	40	30	Ø16	M16	75	56	6	85kg
ABP17-340500-0500-16	500	500	340	200	400	90	50	35	Ø16	M16	75	90	6	170kg
ABP17-435630-0630-16	630	630	435	250	500	100	50	40	Ø16	M16	40	144	6	295kg
ABP17-525800-0800-16	800	800	525	320	640	115	50	45	Ø16	M16	75	240	6	470kg

ABP-18

ANGLE PLATE

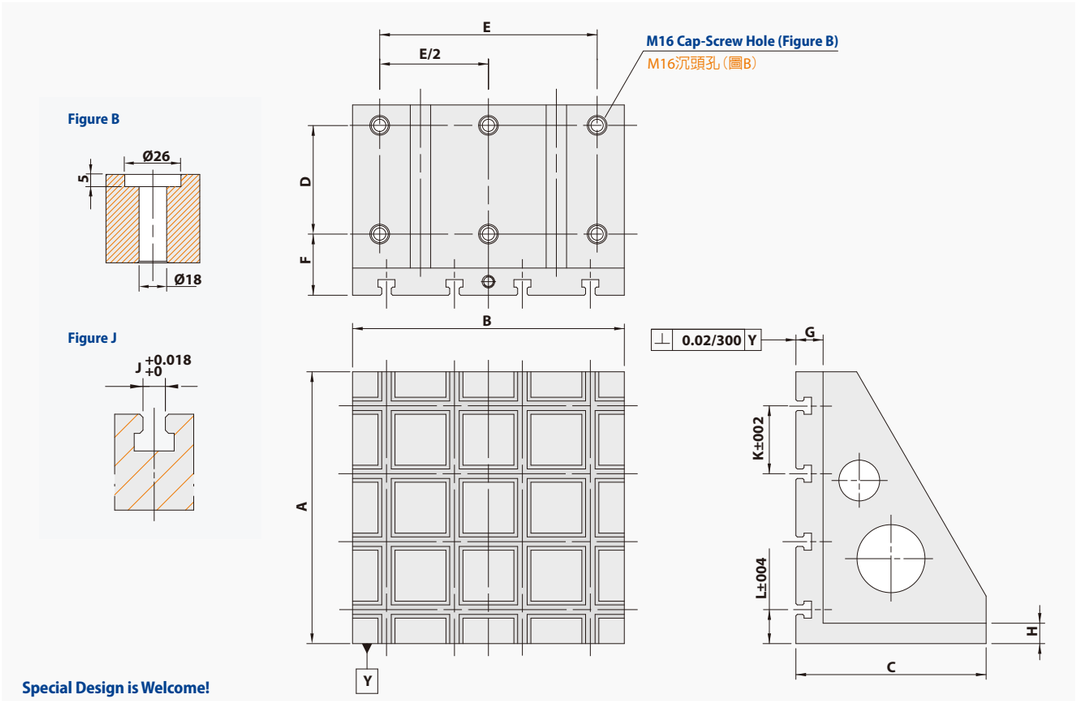
MC直角基座

MC Angle Plate
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: T-Slots running in 2 directions, easily adapts to standardized jig components.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以T型溝定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	J	K	L	Mounting holes 安裝孔	WEIGHT 重量
	mm												
ABP18-220300-0300-14	300	300	220	100	250	90	40	30	14	100	50	6	53kg
ABP18-300400-0400-14	400	400	300	160	320	90	40	30	14	100	50	6	101kg
ABP18-350500-0500-14	500	500	350	200	400	90	50	35	14	100	50	6	170kg
ABP18-450630-0630-14	630	630	450	250	500	100	50	40	14	125	65	6	295kg
ABP18-550800-0800-14	800	800	550	320	640	115	50	45	14	150	100	6	566kg
ABP18-220300-0300-18	300	300	220	100	250	90	40	30	18	100	50	6	51kg
ABP18-300400-0400-18	400	400	300	160	320	90	40	30	18	100	50	6	96kg
ABP18-350500-0500-18	500	500	350	200	400	90	50	35	18	100	50	6	162kg
ABP18-450630-0630-18	630	630	450	250	500	100	50	40	18	125	65	6	285kg
ABP18-550800-0800-18	800	800	550	320	640	115	50	45	18	150	100	6	555kg

new!

ABP-032

PLATE

MC基座

MC Angle Plate
Material: FC30
Heat treated: Normalized
Application: Horizontal Machining Center
Features: T-Slots running in 2 directions, easily adapts to standardized jig components.



材質：FC30
熱處理：燒鈍
用途：適用於臥式MC
特長：以T型溝定位方式，利用標準化治具零件，可快速組立完成一套符合需求之治具。

Shorten Z axis travel to improve efficiency.

Rigid and tensile ductile iron FCD600(80,000PSI) work table.

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

Maximize production capacity and reduce processing time.

Suitable for hydraulic chuck, manual chuck, mechanical power vise and special jigs.

Long mandrel processing, can be used with multiple work table.

Modular design, easy set mold, high repeatability accuracy and high stability.

縮短Z軸行程，提高加工效率。

採用球狀石墨鑄鐵FCD600(80000PSI)抗張力強。

工作檯面經均高週波熱硬化處理HS65°以上，強化耐磨性及精度。

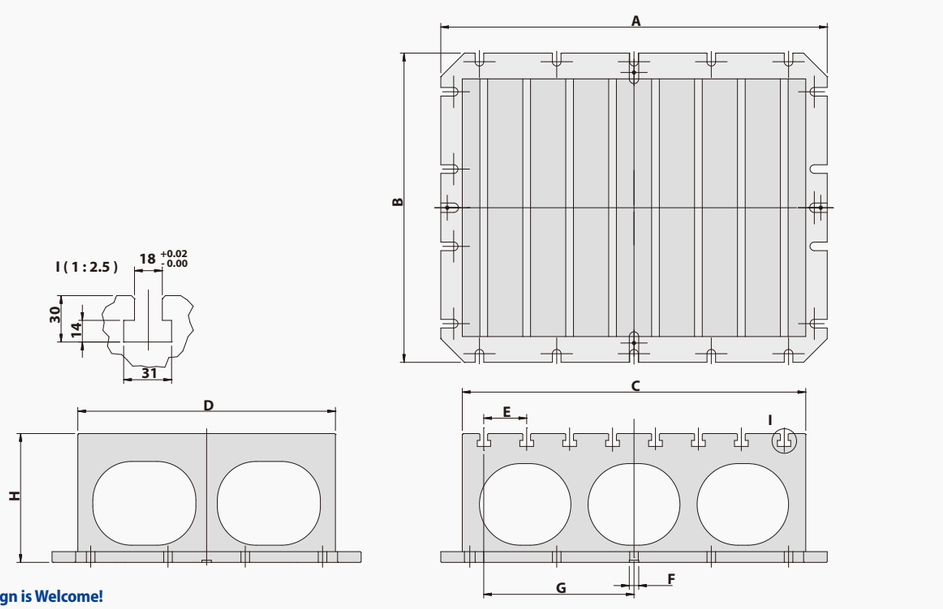
縮短工件加工時間，產值極大化。

工作檯面可搭配，油壓夾頭、普通夾頭、倍力式虎鉗，平面專用治具使用。

長條型心軸加工，可搭配多組工作台使用。

模組化、架模簡易、重覆精度高、無共振精度、穩定性高。

DIMENSIONS 尺寸圖



Special Design is Welcome!
特殊尺寸可另外訂製

ITEM NO.	A	B	C	D	E	F	G	H	I	WEIGHT 重量
	mm									
ABP032-900720-300	900	720	800	600	100	22	350	300	T18	250kg
ABP032-1000-500-165	1000	500	900	500	100	/	/	165	T18	280kg