

## 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.

Wellock Semi-spherical segment eliminate deflection and lift. Rigid and tensile ductile iron FCD-60 (80,000PSI) vise body. Slide surface flame hardened to H565° 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.

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。

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H565°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。

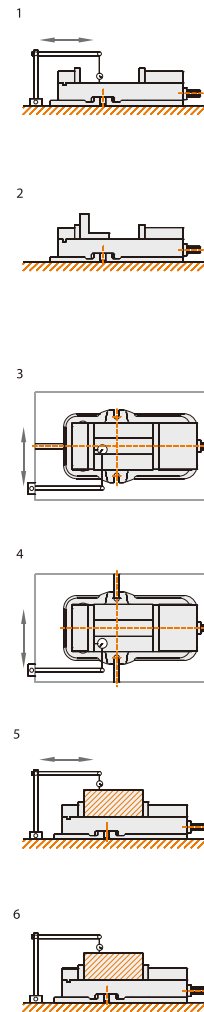
傳動螺桿採特殊防塵裝置，且螺桿經過特殊處理，可減少磨耗。

夾持力高達8,200lbs (37,800N)



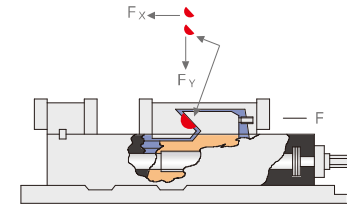
#### STATIC ACCURACY

精度表



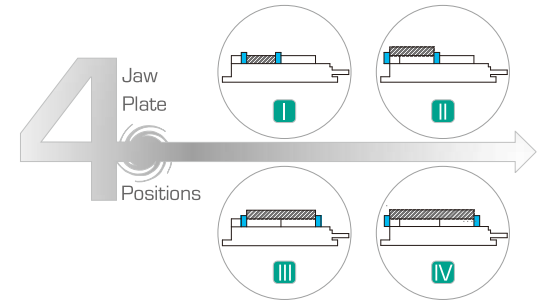
#### WELLOCK ANTI-LIFT MECHANISM

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

NO.	INSPECTION ITEMS (PER 100 MM)	ALLOWANCE 容許值 (mm)	
		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型槽到固定額的距離同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").

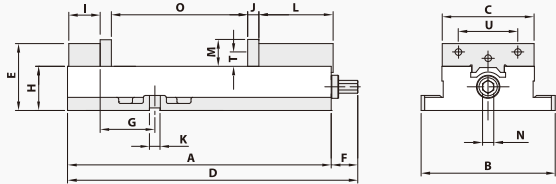
11,600lbs clamping force.

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.

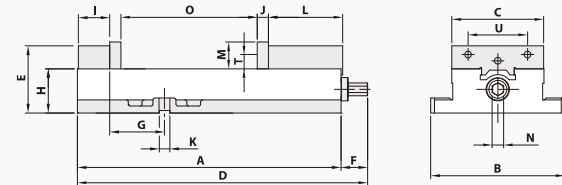
Bed height 73.025±0.012mm (2.875±0.0005").

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