

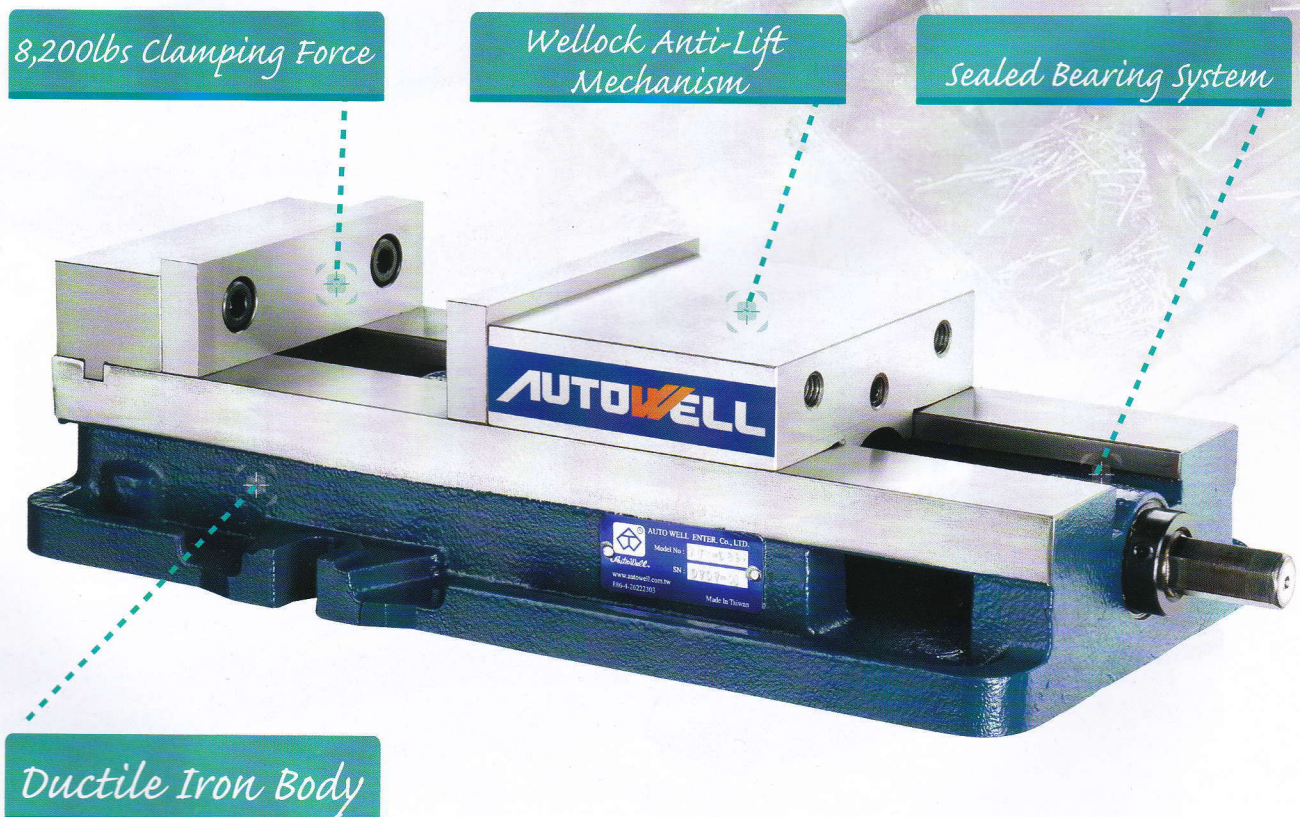
# Wellock Large Opening Vise



World Famous & High Accuracy  
& Best Quality & Large Opening

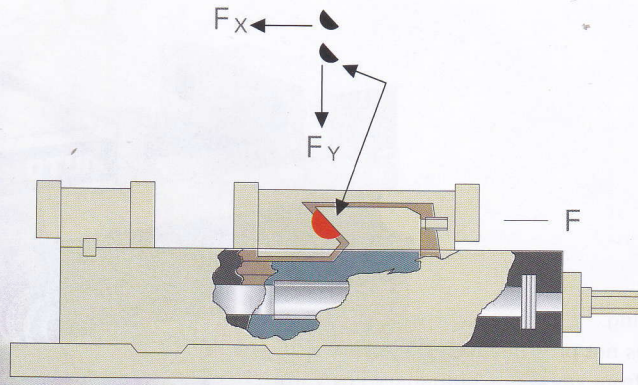
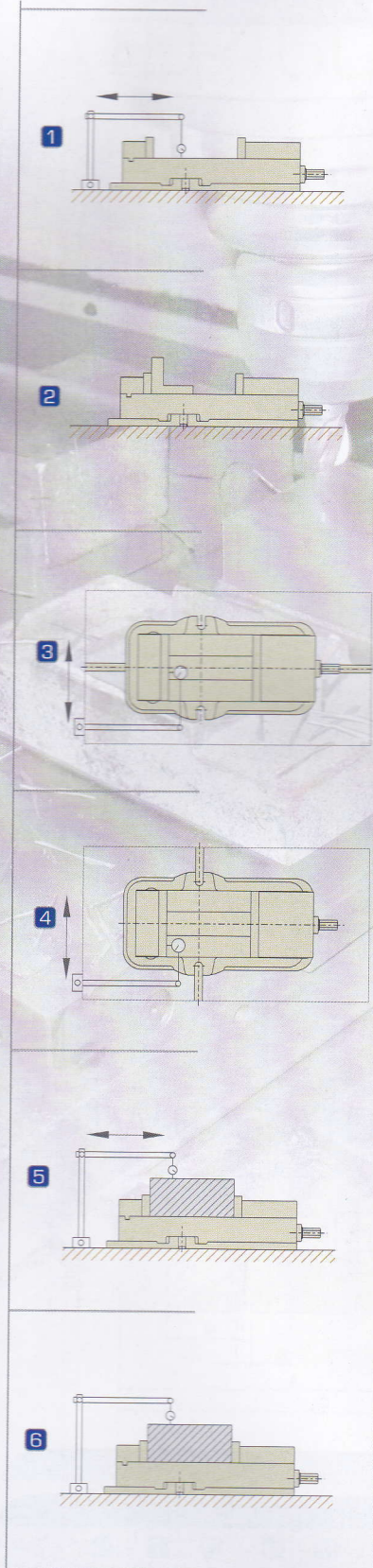
ATW Vise offers the high quality as same as the world famous brands. Improving on industry standards, the vises are ultra-precision in datum, flatness, parallelism and verticality.

- 1 Wellock Semi-spherical segment eliminate deflection and lift.
- 2 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°.
- 3 4 different clamping positions.
- 4 Bearing system has sealed and special treated to reduce damage for extend the lifetime.
- 5 8,200lbs high clamping force.

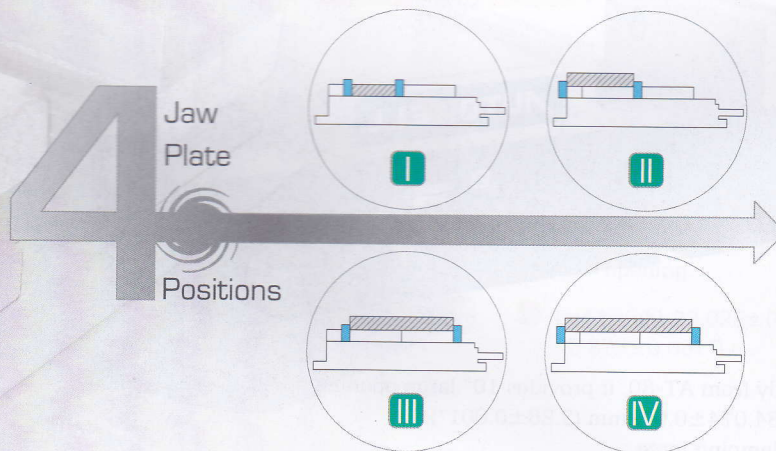


**Static Accuracy**

**Wellock Anti-Lift Mechanism**



**4 Jaw-plate Positions**



Wellock VISE System				
NO	Inspection Items (Per 100 mm)		Allowance (mm)	
			Auto Well	JIS. Class
1	Parallelism	running face to bottom of bed	0.01	0.015
2	Squareness	between running face and jaw plate	0.01	0.03
3	Squareness	keyways on bottom of bed to jaw plate	0.015	0.015
4	Parallelism	keyways on bottom of bed to jaw plate	0.01	0.015
5	Squareness	both sides to running face	0.015	0.02
6	Squareness	both sides to fixed jaw plate	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.

# Wellock Large Opening Vise

## ATW-689/810

Workholding



689

### ATW-689

- ☑ 8.9" large opening.
- ☑ Spindle nut does not protrude past the end of body.
- ☑ Same distance from keyway to stationary jaw with AT-675.
- ☑ Bed height  $73.025 \pm 0.012\text{mm}$  ( $2.875 \pm 0.001"$ ).

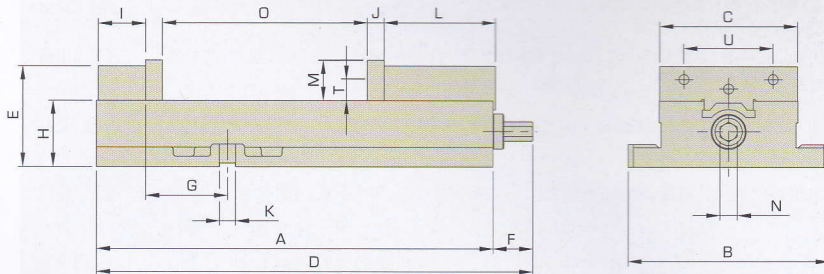


810

### ATW-810

- ☑ Updated body from AT-80, it provides 10" large opening and steadier vise body.
- ☑ Bed height  $84.074 \pm 0.012\text{mm}$  ( $3.26 \pm 0.001"$ ).
- ☑ 11,600lbs clamping force.

### ATW-689/ 810 Dimensions



ATW DIMENSIONS																	mm/kg	
NO	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Weight
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

# Wellock Vise

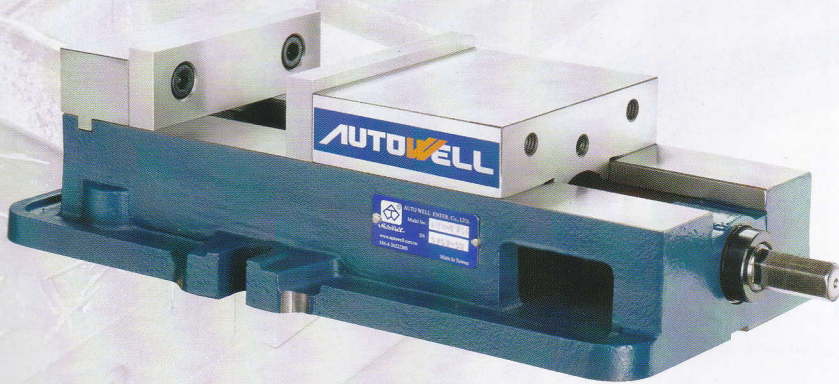
ATW-675

ATD-460/570

Workholding



ATD-460/570

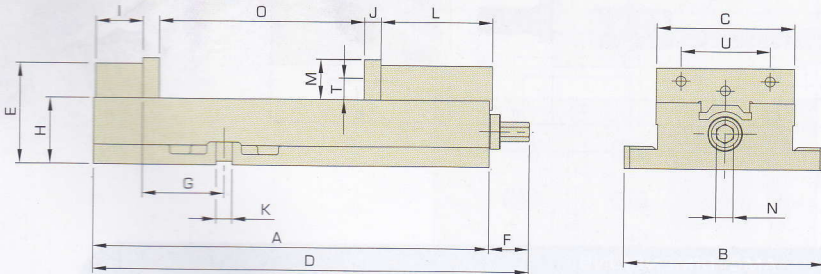


675

ATW-675

- 7.5" opening.
- Bed height 73.025±0.012mm (2.875±0.001").

## ATW-675, ATD-460/570 Dimensions



ATW/ATD DIMENSIONS

NO	mm/kg																	Weight
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	
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