



MC Mechanical Super Vise



High Clamping Force & Extra Out-jaw Clamping Capacity

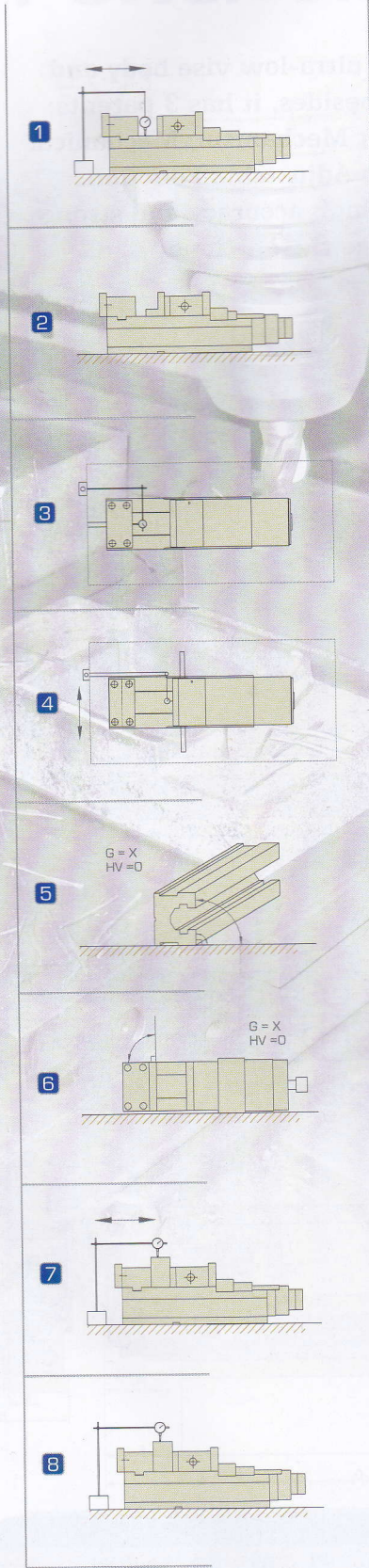
MC Power Vises are all in excellent precision and higher than JIS. Class with largest clamping force 50KN. The main feature of Auto Well Power Vise Series to be better than other brands' due to it has 3 patents: Lockwell Anti-Lift Mechanism, Mechanical Booster and Force Adjustable Function.

- Unique Out-jaw design increase the clamping capacity.
- Force Adjustable System (patented) makes the force setting easier and steadier. Clamping force can be freely adjusted with the guidance of graduation lines.
- Lockwell Anti-Lift mechanism (patented) ensures the workpiece does not lift.
- Mechanical Booster (patented) provides a steady clamping force and inside Disc-Spring to against shocks and vibrations while operation.
- The improved chip cover mechanism prevents the rust and extends the lifetime.
- Most suitable for VMC & HMC. Tolerance required within 0.01mm.
- 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°.

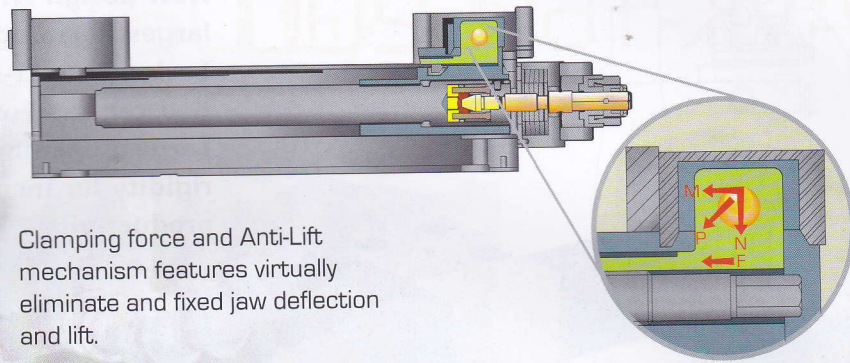


Static Accuracy

Lockwell Anti-Lift Mechanism



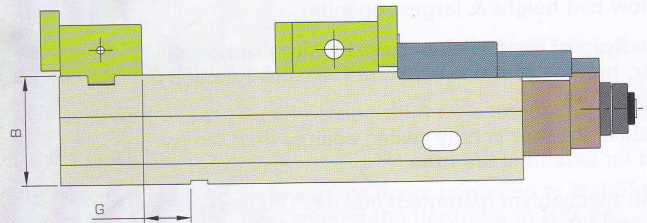
Lift can be controlled within **0.01** mm



Dimensions

B-dimension tolerance ± 0.01 mm
G-dimension tolerance ± 0.01 mm

For guide blocks other than standard, consult our Engineering Dept.



MC POWER VISE <i>system</i>				
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	0.02	0.02
6	Squareness	both sides to fixed jaw plate	0.02	0.02
7	Parallelism	running face of the test block to bottom of bed	0.015	0.02
8	Parallelism	Lift can be controled when clamping test	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.

MC Mechanical Long Power Vise

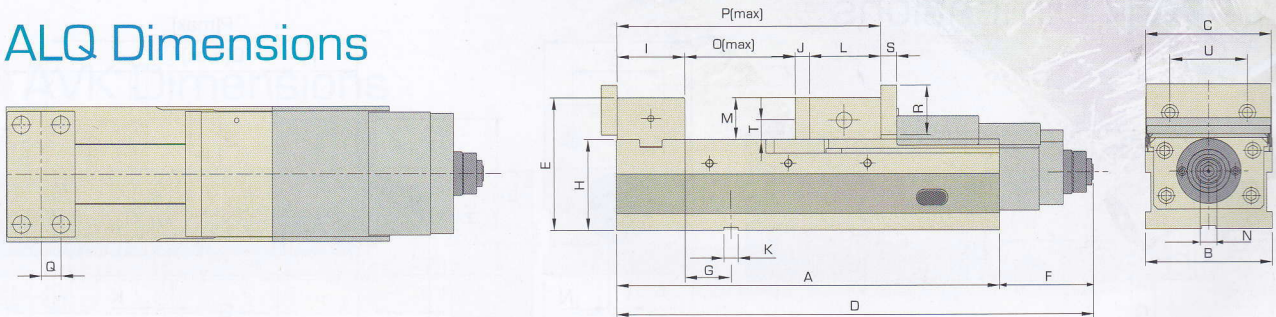
ALQ-160, 200G/HV

Workholding



- 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.

ALQ Dimensions



ALQ DIMENSIONS																				mm/kg			
NO	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	Clamping Force	Weight
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