

MEASURING TOOL HOLDERS

Model MB-MX HIGH LOCK BASE

Mechanical lock & fine movement adjuster

Tightening torque + clamp force + fine adjustment function all improved!



[Application]

While these bases are used as measuring tool holders like magnetic bases, they can also be used to hold sensors in place.

[Features]

- Any posture can be set by tightening a knob to lock every part.
- The clamp system is adjustable steplessly. Turning lightly achieves it.

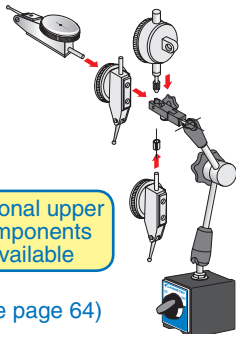
Quick lock mechanism

- A wide variety of models, small to large, are available to suit your applications.
- The dial gage mounting part can be adjusted finely.
- The arm can be adjusted freely in angle and direction and provides stable, shake-free positioning.

Free posture by dial adjustment

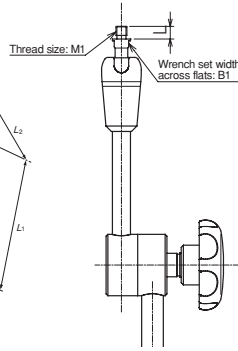
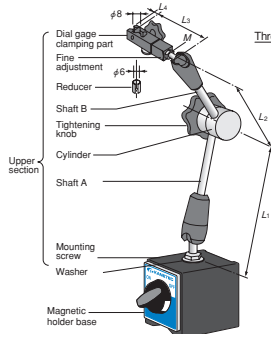


Consistent and highly accurate measurement



Optional upper components available

(See page 64)



Holding power 600N	Holding power 800N	Holding power 1000N	Holding power 1000N
MB-MX13F	MB-MX20F	MB-MX28F	MB-MX40F

Model	M1	B1
MB-MX13F	M6 (Coarse) × L7	6
MB-MX20F		7
MB-MX28F		8
MB-MX40F	M8 (Coarse) × L8	

<Dial gage mounting>

<Names/dimensions>

<Details of part M and dimensions>

Model	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm					Arm Mounting Tapped Hole	Indicator Clamp		Mass	Feature
			Width	Length	Height	L ₁	L ₂	L ₃	L ₄	M		Stem Hole	Dovetail		
MB-MX13F	Mechanical lock	600N (60kgf)	40 (1.57)	40 (1.57)	40 (1.57)	75 (2.95)	50 (1.96)	64 (2.51)	6.5 (0.25)	M6 (0.23) × 7 (0.28)	M6 (0.23) × 1 (0.03)	φ 8 (0.31) φ 6 (0.23) (When reducer is used)	6.5 (0.25)	0.7kg/1.7 lb	Smallest
MB-MX20F		800N (80kgf)	50 (1.96)	58.5 (2.30)	55 (2.16)	116 (4.56)	75 (2.95)	65 (2.55)						1.4kg/3.1 lb	Small
MB-MX28F		1000N (100kgf)	50 (1.96)	73 (2.87)	160 (6.29)	115 (4.52)	64 (2.51)	M8 (0.31) × 8 (0.31)	2.0kg/4.4 lb	Standard					
MB-MX40F			220 (8.66)	175 (6.88)	66 (2.59)	2.1kg/4.8 lb	Long arm								

*The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

Model MB-X HIGH LOCK MINI BASE

Mechanical lock & fine movement adjuster

Small and simple, suitable for use in limited space.



[Application]

While these bases are used as measuring tool holders like magnetic bases, they can also be used to hold sensors in place.

[Features]

- A mechanical lock system that tightens joints in three places by one-step operation.
- The arm can be adjusted freely, which facilitates locating the mounted measuring instrument.
- Models MB-CX-V/PSX-V are equipped with a fine movement adjuster.

Model	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm				Arm Mounting Tapped Hole	Indicator Clamp		Mass	Feature
			Width	Length	Height	L ₀	L ₁	L ₂	L ₃		Stem Hole	Dovetail		
MB-CX	Mechanical Type	160N (16kgf)	28 (1.10)	28 (1.10)	28 (1.10)	12 (0.47)	46 (1.81)	46 (1.81)	39 (1.53)	M5 (0.19) × 0.8 (0.03)	φ 6 (0.23) × 2	6.5 (0.25)	0.38kg/0.83 lb	Small, V attractive face
MB-CX-V		0.5 kg/1.10 lb	Small, V attractive face, fine movement adjuster											
MB-PSX		300N (30kgf)	30 (1.18)	34 (1.33)	35 (1.37)	14 (0.55)	39 (1.53)	0.38kg/0.83 lb	Small, magnet switchover					
MB-PSX-V		0.5 kg/1.10 lb	Small, magnet switchover, fine movement adjuster											

*The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

ELECTROMAGNETIC CHUCK CONTROLLERS; PERMANENT MAGNETIC CHUCKS; PERMANENT MAGNETIC CHUCKS; BLOCKS FOR MC; VACUUM CHUCKS; PROMELTA*; SINE BAR CHUCKS; BLOCKS HOLDERS; HOLDING TOOLS; MEASURING TOOL HOLDERS; MAGNETIC HOLDERS; MAGNETIC TOOLS