

MEASURING TOOL HOLDERS

Model MB-MX HIGH LOCK BASE

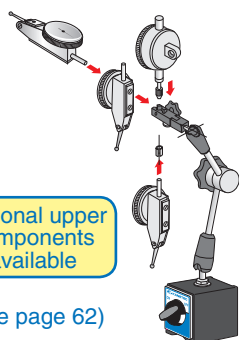
Mechanical lock & fine movement adjuster

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



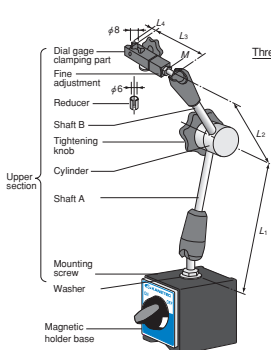
The dial gage is not included.

Consistent and highly accurate measurement

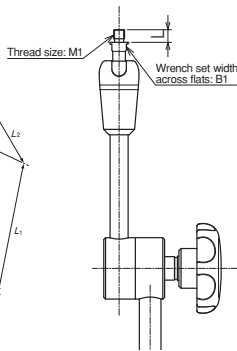


Optional upper components available

(See page 62)



<Names/dimensions>



<Details of part M and dimensions>

Free posture by dial adjustment



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

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

[mm (in)]

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)	φ8 (0.31) φ6 (0.23) (When reducer is used)	6.5 (0.25)	0.7kg/1.7 lb	Smallest
MB-MX20F		800N (80kgf)	58.5 (2.30)	40 (1.57)	40 (1.57)	116 (4.56)	75 (2.95)	65 (2.55)						M8 (0.31) × 1.25 (0.04)	1.4kg/3.1 lb
MB-MX28F		1000N (100kgf)	50 (1.96)	73 (2.87)	55 (2.16)	160 (6.29)	115 (4.521)	64 (2.51)	M8 (0.31) × 8 (0.31)	M8 (0.31) × 1.25 (0.04)	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.



Holding power
300N MB-PSX

Holding power
300N MB-PSX-V

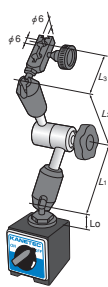
Holding power
160N MB-CX

Holding power
160N MB-CX-V

The dial gage is not included.

*Model MB-CX has no magnetic force ON/OFF selection. The upper section is common with Model MB-PSX.

Fine movement adjuster included



[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.

[mm (in)]

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)	12 (0.47)	46 (1.81)	46 (1.81)	57 (2.24)	M5 (0.19) × 0.8 (0.03)	φ6 (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)	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.

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