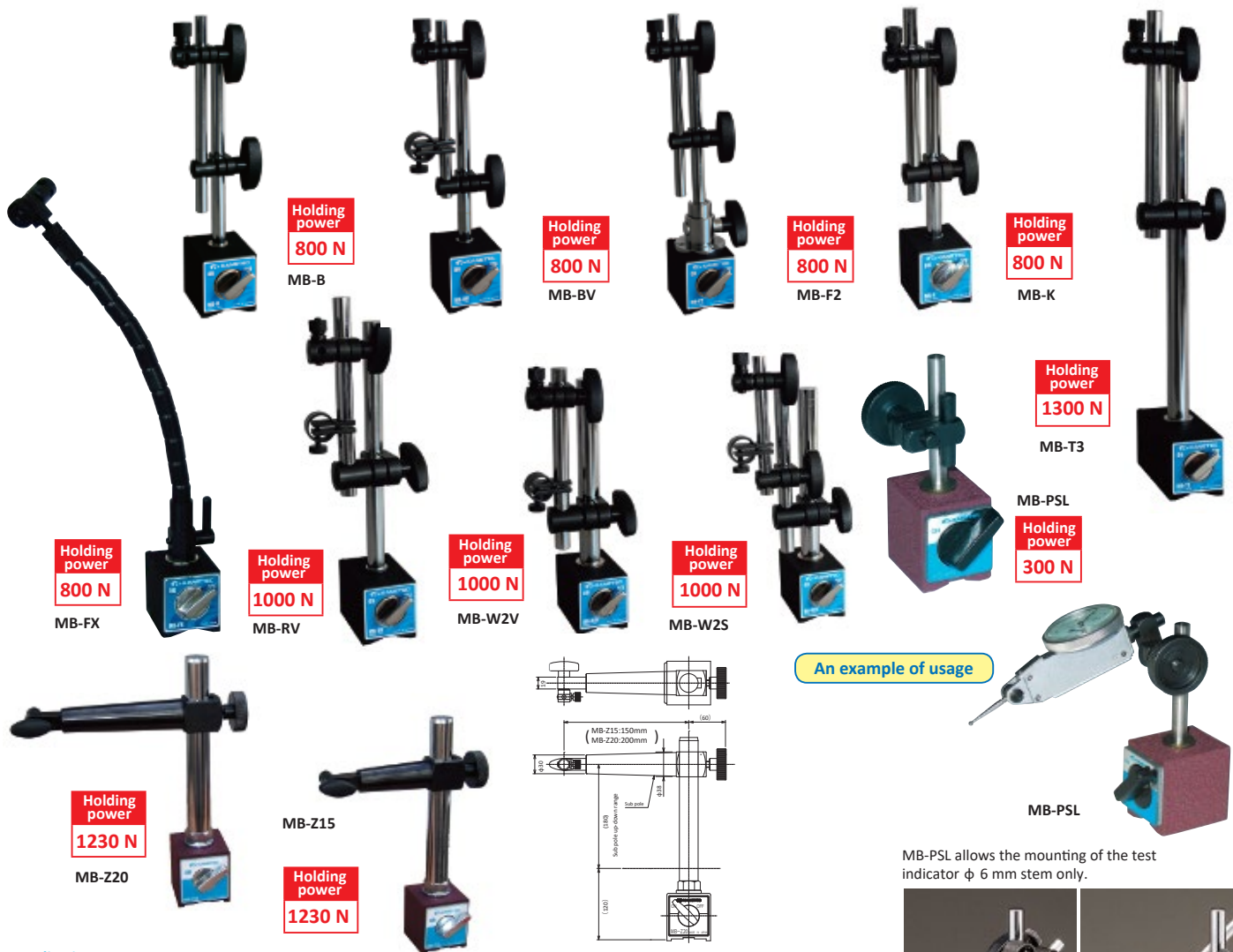




MEASURING TOOL HOLDERS

Model MB

MAGNETIC BASE



Application

These magnetic bases are widely used as measuring tool holders when measuring dimensions of machined workpieces (detecting errors and deviation) using a dial indicator on machine tools or iron surface plate for measurement by comparison.

Features

- A wide variety of models, small to large, and with diversified additional functions, are available to suit conditions of measuring places.
- A powerful magnet and strong clamping force ensure consistent, highly accurate measurement.
- Model MB-Z magnetic bases are equipped with upper components having the highest rigidity in our Magnetic Base Series, which minimizes errors in repeated measurement and precision measurement.

Displacement at a force of 0.5 kg ... MB-Z15: 3 μm or less (1/8 or less of conventional base)

MB-Z20: 8 μm or less (1/3 or less of conventional base)

MB-PSL allows the mounting of the test indicator ϕ 6 mm stem only.



The dial gage is not included.

[mm (in)]

Model	Holding Power	Magnetic Holder Base			Main Pole		Sub Pole		Main Pole Mounting Thread			Clamp Hole Dia.	Mountable Stem Dia.	Indicator Clamp Screw	Mass	Features					
		Width	Length	Height	Dia φ	Length	Dia φ	Length	Mag. BaseStep	Main Pole											
MB-B	800N (80kgf)	50 (1.96)	58.5 (2.30)	55 (2.16)	12 (0.47)	176 (6.92)	10 (0.39)	165 (6.49)	M 8 (0.31) × 1.25 (0.04)	—	M8 (0.31) × 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	φ6 (0.23) φ81 (0.31)	M6 (0.23)	1.5kg/ 3.3 lb	General, standard type.					
MB-BV					194 (7.63)	150 (5.90)	3-M4 (0.15)	M 8 (0.31) × 1.25 (0.04)	M8 (0.31) × 1.25 (0.04)		1.8kg/ 3.9 lb				Main pole 360° turning, can be locked at 75° max.						
MB-F2					14 (0.55)	178 (7.00)										12 (0.47)	165 (6.49)	M 8 (0.31) × 1.25 (0.04)	M8 (0.31) × 1.25 (0.04)	1.5kg/ 3.3 lb	Main pole large diameter, suitable for precision measurement.
MB-K					16 (0.62)	225 (8.85)										14 (0.55)					
MB-RV	178 (7.00)	14 (0.55)	200 (7.87)	M20 (0.78) × 1.5 (0.05)	M20 (0.78) / M10 (0.39)	M10 (0.39) × 1.25 (0.04)	2.5kg/ 5.5 lb	High precision type with fine move adjustment.													
MB-W2V	20 (0.78)								355 (13.9)	14 (0.55)	165 (6.49)	130 (5.11)	M8 (0.31) × 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	M5 (0.19) × 0.8 (0.03)	6.0 (0.23)	φ6 only	—	1.8kg/ 3.9 lb	Flexible type, settable freely.	
MB-T3	117 (4.60)								355 (13.9)												200 (7.87)
MB-FX	800N (80kgf)	58.5 (2.30)	16 (0.62)	315 (12.4)	—	—	M8 (0.31) × 1.25 (0.04)	M8 (0.31) × 1.25 (0.04)	6.0 (0.23) / 8.1 (0.31)												—
MB-W2S	1000N (100kgf)	73 (2.87)	20 (0.78)	178 (7.00)	14 (0.55)	165 (6.49)	130 (5.11)	M8 (0.31) × 1.25 (0.04)	—	M8 (0.31) × 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	2.7kg/ 5.9 lb	Two-step sub pole with fine move adjustment.								
MB-PSL	300N (30kgf)	30 (1.18)	34 (1.33)	35 (1.37)	7 (0.27)	54 (2.12)	—	—	M5 (0.19) × 0.8 (0.03)	M5 (0.19) × 0.8 (0.03)	6.0 (0.23)	—		0.25kg/ 0.5 lb	Compact and simple, suitable for limited space.						
MB-Z15	1230N (125kgf)	70 (2.76)	70 (2.76)	76 (2.99)	30 (1.18)	250 (9.84)	—	—	M20 (0.78) × 1.5 (0.05)	M20 (0.78) / M12 (0.47)	M12 (0.47) × 1.75 (0.06)	6.6 (0.26) / 8.1 (0.31)		M6 (0.23)	5.2kg/ 11.5 lb	Strongest upper components in Series.					
MB-Z20					30 (1.18)	250 (9.84)	—	—	M20 (0.78) × 1.5 (0.05)	M12 (0.47)	M12 (0.47) × 1.75 (0.06)	5.5kg/ 12.1 lb	Suitable for repeated measurement and precision measurement.								