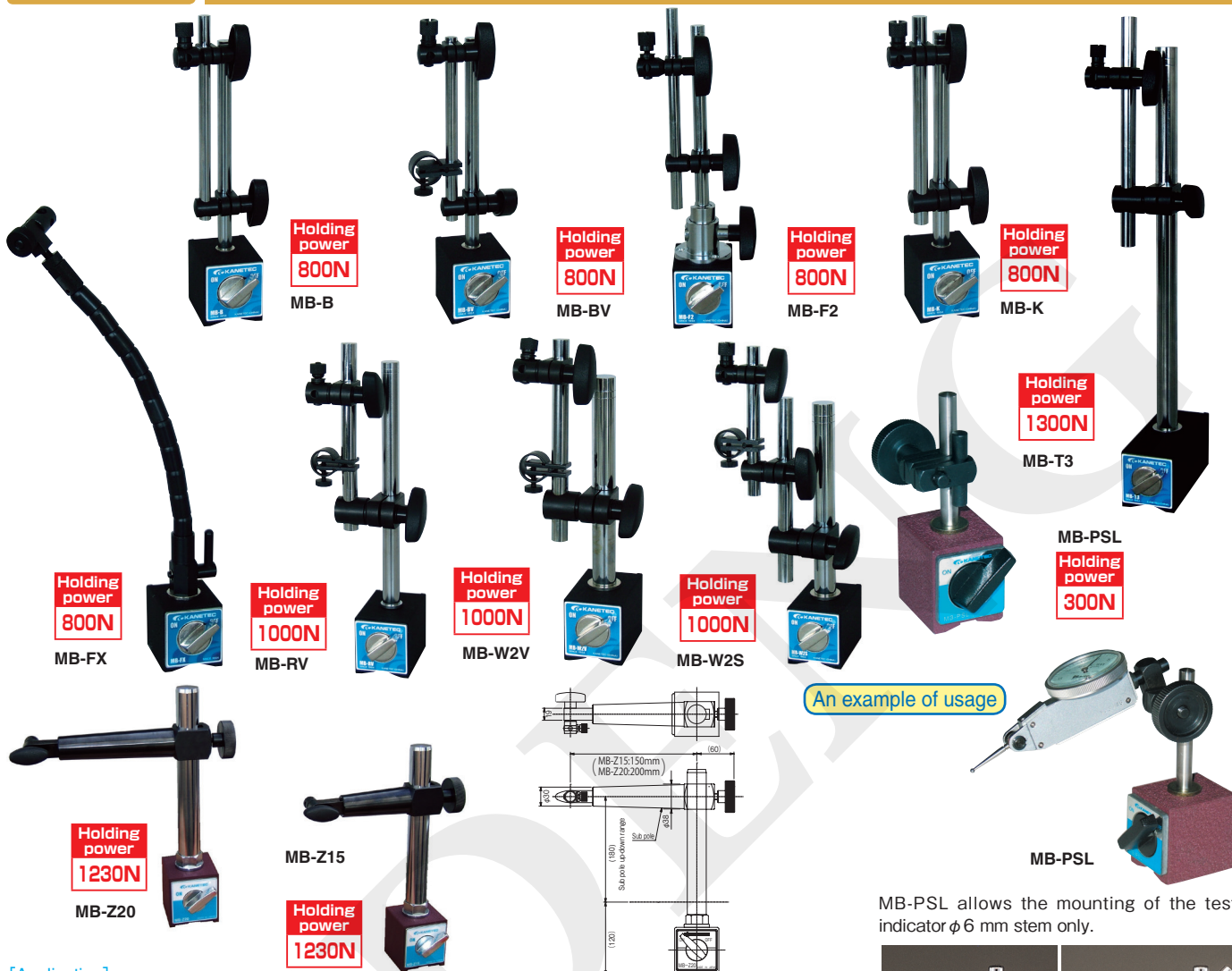


# MEASURING TOOL HOLDERS

## Model MB MAGNETIC BASE



MB-PSL allows the mounting of the test indicator  $\phi 6$  mm stem only.



The dial gage is not included.

[mm (in)]

### [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:  $3 \mu\text{m}$  or less (1/8 or less of conventional base)

MB-Z20:  $8 \mu\text{m}$  or less (1/3 or less of conventional base)

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 $\phi$	Length	Dia $\phi$	Length	Mag. Base	Step	Main Pole					
MB-B	800N (80kgf)	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)	$\phi 6$ (0.23) $\phi 8$ (0.31)	M6 (0.23)	1.5kg / 3.3 lb	General, standard type.	
MB-BV				14 (0.55)	194 (7.63)		150 (5.90)							1.8kg / 3.9 lb	General type with fine move adjustment.	
MB-F2				14 (0.55)	178 (7.00)	12 (0.47)	165 (6.49)	3-M4(0.15)	-	1.5kg / 3.3 lb				Main pole large diameter, suitable for precision measurement.		
MB-K				16 (0.62)	225 (8.85)	14 (0.55)	165 (6.49)	M 8(0.31) × 1.25(0.04)	M8(0.31) × 1.25(0.04)	2.4kg / 5.2 lb				Larger size with fine move adjustment.		
MB-RV	1000N (100kgf)	50 (1.96)	73 (2.87)	16 (0.62)	178 (7.00)	14 (0.55)	200 (7.87)	M 8(0.31) × 1.25(0.04)	M20(0.78) / M10(0.39)	M10(0.39) × 1.25(0.04)	6.6(0.26) / 8.1(0.31)	$\phi 6$ (0.23) $\phi 8$ (0.31)	M6 (0.23)	2.5kg / 5.5 lb	High precision type with fine move adjustment.	
MB-W2V	1300N (130kgf)	117 (4.60)	20 (0.78)	355 (13.9)	16 (0.62)	315 (12.4)	14 (0.55)	165(6.49) / 130(5.11)	M20(0.78) × 1.5(0.05)	M20(0.78) / M10(0.39)	M10(0.39) × 1.25(0.04)	6.6(0.26) / 8.1(0.31)	M6 (0.23)	3.6kg / 7.9 lb	Main pole longest, base largest and holding power greatest.	
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)	$\phi 6$ only	-	1.8kg / 3.9 lb	Flexible type, settable freely.	
MB-W2S	1000N (100kgf)	73 (2.87)	20 (0.78)	178 (7.00)	14 (0.55)	12(0.47)	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)	M6 (0.23)	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. Suitable for repeated measurement and precision measurement.	
MB-Z20	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)	5.5kg / 12.1 lb	Strongest upper components in Series. Suitable for repeated measurement and precision measurement.	

※ The upper fixture, Model DG-6 (mounting hole of  $\phi 4.5/6.6$  mm), for mounting a dial gage is optionally available. ※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※ The magnet part of MB-Z is designed for mounting on a flat surface such as a surface plate, but not on a curved surface. ※ The parts of the magnetic holder base are available individually.