

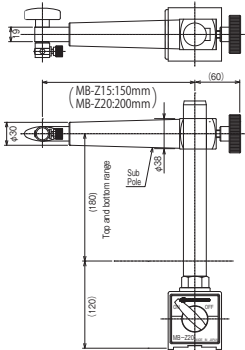
# A metallic lever employed! Completely new design to renew magnetic bases!

## Model MB MAGNETIC BASE

RENEWAL



## New magnetic bases ideal for precision measurement!



● Model MB-Z magnetic bases are equipped with upper components the rigidity of which is highest 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)



### [Application]

These magnetic bases are widely used as 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.

[mm (in)]

Model	Holding Power	Magnetic Base			Main Pole		Sub Pole		Screw Threads			Clamp Hole Dia	Indicator Clamping Screw	Mass	Features			
		Width	Length	Height	Dia φ	Length	Dia φ	Length	Mag. Base	Step	Main Pole							
MB-B	800N (80kgf)	50	58.5 (2.30)	55 (2.16)	12	176	10	165	M 8(0.31) × 1.25(0.04)	-	M8(0.31) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	1.5kg / 3.3 lb	General, standard type.			
(0.47)					(6.92)	(5.90)		(6.49)										
MB-BV					14	178	12	150								3-M4(0.15)	-	-
(0.55)					(7.00)	(0.47)		(5.90)										
MB-F2	1000N (100kgf)	70	73 (2.87)	55 (2.16)	16	225	14	165	M 8(0.31) × 1.25(0.04)	-	M8(0.31) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	1.8kg / 3.9 lb	Main pole 360° turning, can be locked at 75° maximum.			
(0.62)					(8.85)	(0.55)		(6.49)										
MB-K	1000N (100kgf)	70	73 (2.87)	55 (2.16)	16	225	14	165	M 8(0.31) × 1.25(0.04)	-	M8(0.31) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	1.5kg / 3.3 lb	Main pole large diameter, suitable for precision measurement.			
(0.62)					(8.85)	(0.55)		(6.49)										
MB-RV	1000N (100kgf)	70	73 (2.87)	55 (2.16)	20	178	14	165	M 8(0.31) × 1.25(0.04)	-	M8(0.31) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	2.4kg / 5.2 lb	Larger size with fine movement adjustment.			
(0.78)					(7.00)	(0.55)		(6.49)										
MB-W2V	1000N (100kgf)	70	73 (2.87)	55 (2.16)	20	355	14	200	M20(0.78) × 1.5(0.05)	M20(0.78) / M10(0.39)	M10(0.39) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	2.5kg / 5.5 lb	High-precision type with fine adjustment.			
(0.78)					(13.9)	(7.87)		(5.11)										
MB-T3	1300N (130kgf)	70	117 (4.60)	76 (2.99)	16	315	14	165	M20(0.78) × 1.5(0.05)	M20(0.78) / M10(0.39)	M10(0.39) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	3.6kg / 7.9 lb	Main pole longest, base largest and holding power greatest.			
(0.62)					(12.4)	(5.11)		(5.11)										
MB-FX	800N (80kgf)	70	58.5 (2.30)	55 (2.16)	16	315	14	165	M8(0.31) × 1.25(0.04)	-	M8(0.31) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	-	1.8kg / 3.9 lb	Flexible type settable bent freely.			
(0.62)					(12.4)	(5.11)		(5.11)										
MB-W2S	1000N (100kgf)	70	73 (2.87)	55 (2.16)	20	178	14	165	M8(0.31) × 1.25(0.04)	-	M8(0.31) × 1.25(0.04)	6.4(0.25) / 8.1(0.31)	M6(0.23)	2.7kg / 5.9 lb	Two-step pole with fine adjustment.			
(0.78)					(7.00)	(12.47)		(5.11)										
MB-Z15	1230N (125kgf)	70	70 (2.76)	76 (2.99)	30	250	-	165	M20(0.78) × 1.5(0.05)	M20(0.78) / M12(0.47)	M12(0.47) × 1.75(0.06)	6.4(0.25) / 8.1(0.31)	M6(0.23)	5.2kg / 11.5 lb	See above.			
(1.18)					(9.84)	(5.11)		(5.11)										
MB-Z20	300N (30kgf)	30	34 (1.33)	35 (1.37)	7	54	-	165	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 narrow space.			
(0.27)					(2.12)	(5.11)		(5.11)										

※ Upper fixture, Model DG-6 (attaching hole of φ4.5/6.4), for attaching dial gauge is optionally supplied. ※ The holding power applies to SS400, thickness 10 mm and ground surface.