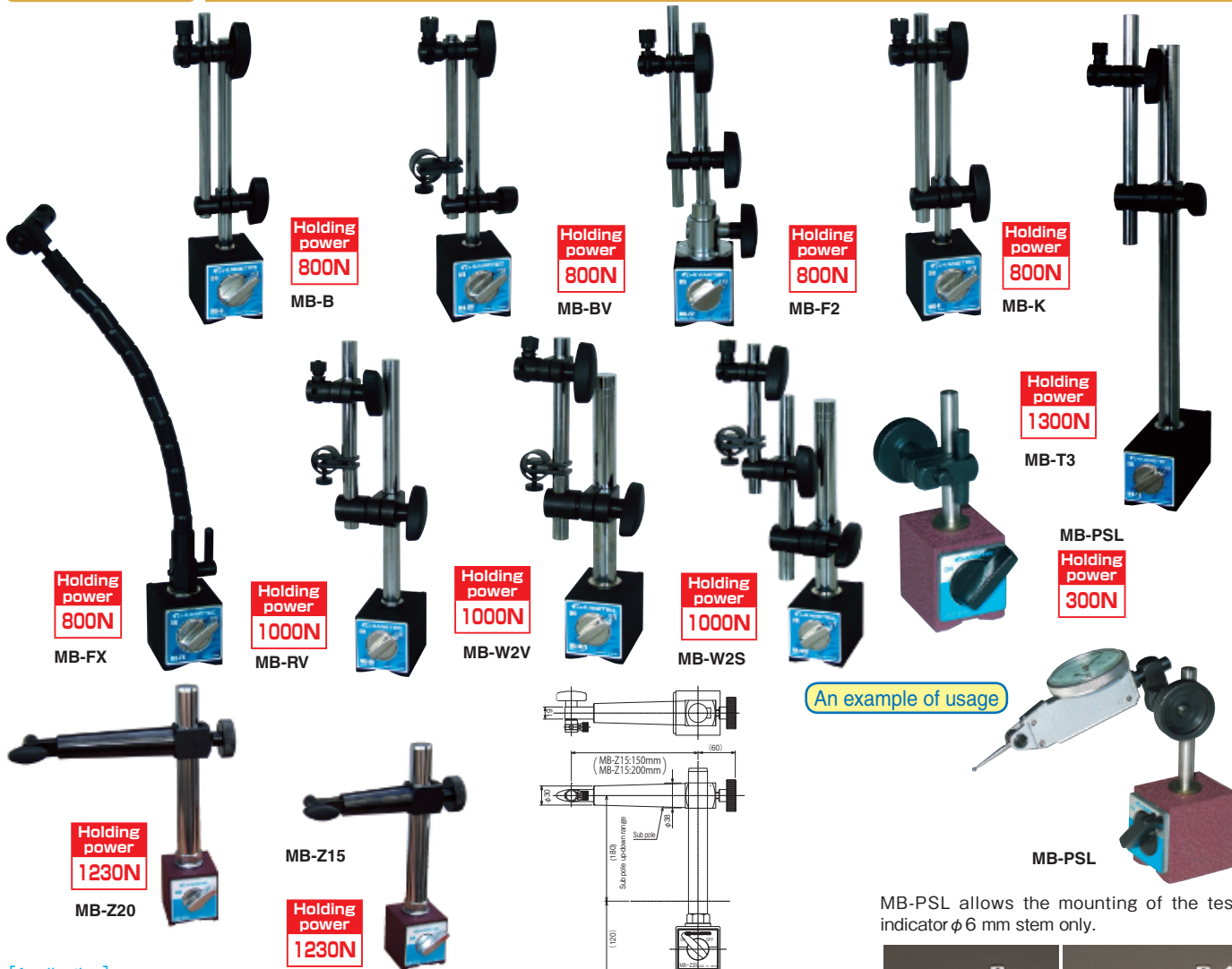


MEASURING TOOL HOLDERS

Model MB MAGNETIC BASE

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



An example of usage



MB-PSL

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



The dial gage is not included.

[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 μ m or less (1/8 or less of conventional base)

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

[mm (in)]

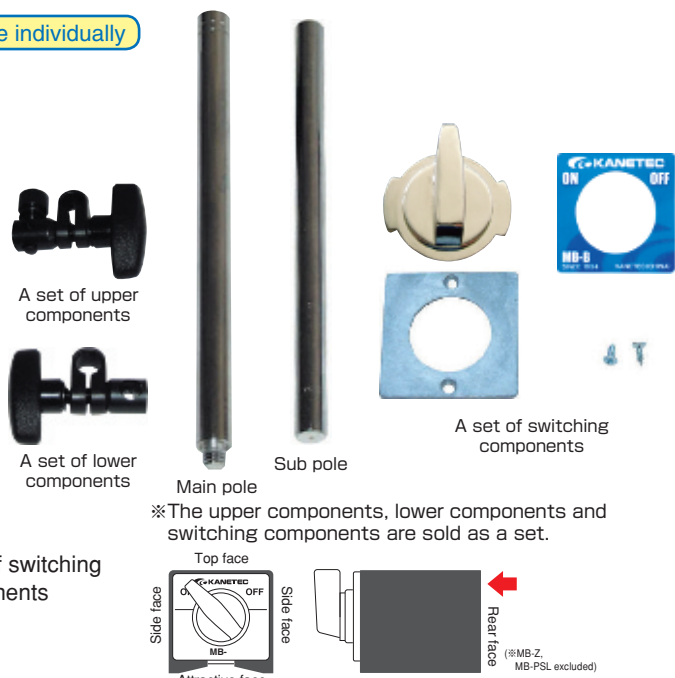
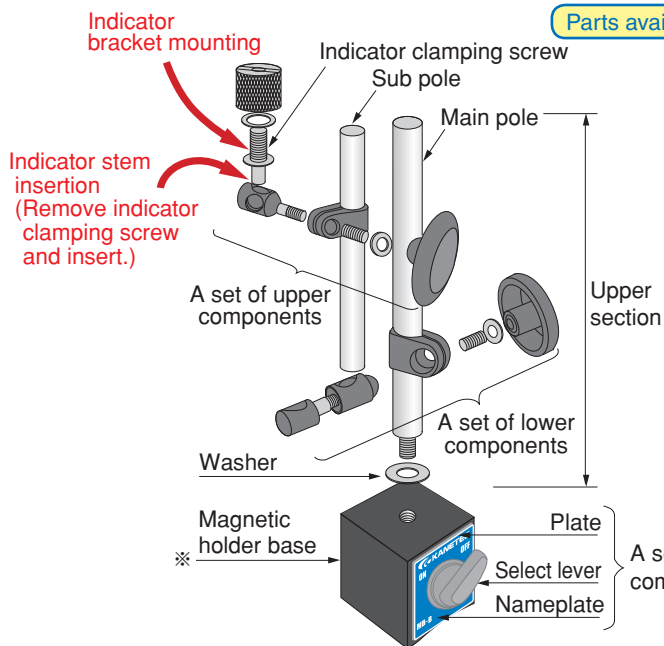
Model	Holding Power	Magnetic Holder Base			Main Pole		Sub Pole		Main Pole Mounting Thread			Clamp Hole Dia.	Mountable Stem Dia.	Indicator Clamp Screw	Mass	Features
		Width	Length	Height	Dia ϕ	Length	Dia ϕ	Length	Mag. Base	Step	Main Pole					
MB-B	800N (80kgf)	50 (1.96)	73 (2.87)	55 (2.16)	12 (0.47)	176 (6.92)	10 (0.39)	165 (6.49)	M 8 (0.31) \times 1.25 (0.04)	-	M8 (0.31) \times 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	M6 (0.23)	1.5kg/ 3.3 lb	General, standard type.	
MB-BV					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)	M 8 (0.31) \times 1.25 (0.04)	M8 (0.31) \times 1.25 (0.04)					2.4kg/ 5.2 lb	Larger size with fine move adjustment.	
MB-RV	1000N (100kgf)	73 (2.87)	55 (2.16)	16 (0.62)	225 (8.85)	14 (0.55)	200 (7.87)	M20 (0.78) \times 1.5 (0.05)	M20 (0.78) / M10 (0.39)	M10 (0.39) \times 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	$\phi 6$ (0.23) $\phi 8$ (0.31)	3.6kg/ 7.9 lb	Main pole longest, base largest and holding power greatest.		
MB-W2V	1000N (100kgf)	73 (2.87)	55 (2.16)	20 (0.78)	178 (7.00)	14 (0.55)	165 (6.49) 130 (5.11)	M 8 (0.31) \times 1.25 (0.04)	-	M8 (0.31) \times 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	M6 (0.23)	2.5kg/ 5.5 lb	High precision type with fine move adjustment.		
MB-T3	1300N (130kgf)	117 (4.60)	73 (2.87)	55 (2.16)	16 (0.62)	315 (12.4)	-	M8 (0.31) \times 1.25 (0.04)	-	M8 (0.31) \times 1.25 (0.04)	6.6 (0.26) / 8.1 (0.31)	-	1.8kg/ 3.9 lb	Flexible type, settable freely.		
MB-FX	800N (80kgf)	58.5 (2.30)	73 (2.87)	55 (2.16)	20 (0.78)	178 (7.00)	14 (0.55) 12 (0.47)	M8 (0.31) \times 1.25 (0.04)	-	M8 (0.31) \times 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-W2S	1000N (100kgf)	73 (2.87)	55 (2.16)	20 (0.78)	178 (7.00)	14 (0.55) 12 (0.47)	165 (6.49) 130 (5.11)	M5 (0.19) \times 0.8 (0.03)	-	M5 (0.19) \times 0.8 (0.03)	6.0 (0.23)	-	0.25kg/ 0.5 lb	Compact and simple, suitable for limited space.		
MB-PSL	300N (30kgf)	30 (1.18)	34 (1.33)	35 (1.37)	7 (0.27)	54 (2.12)	-	M20 (0.78) \times 1.5 (0.05)	M20 (0.78) / M12 (0.47)	M12 (0.47) \times 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-Z15	1230N (125kgf)	70 (2.76)	70 (2.76)	76 (2.99)	30 (1.18)	250 (9.84)	-	M20 (0.78) \times 1.5 (0.05)	M20 (0.78) / M12 (0.47)	M12 (0.47) \times 1.75 (0.06)	6.6 (0.26) / 8.1 (0.31)	M6 (0.23)	5.5kg/ 12.12 lb	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) \times 1.5 (0.05)	M20 (0.78) / M12 (0.47)	M12 (0.47) \times 1.75 (0.06)	6.6 (0.26) / 8.1 (0.31)	M6 (0.23)	5.5kg/ 12.12 lb	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.

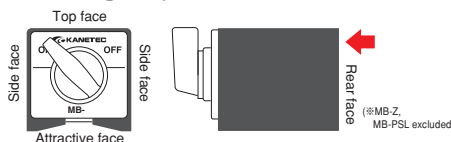
※ The magnet part of MB-Z is designed for mounting on a flat surface such as a surface plate, but not on a curved surface.

<Names of major components of MB-B>

Parts available individually



※Refer to P69 and P72 for the common models.
Note, however, that there may be difference in the main pole mounting thread hole and so on.

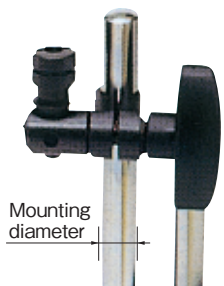


↑ indicates the attractive face.

Model DG OPTIONAL CLAMP FOR MAGNETIC BASE/HIGH LOCK BASE

Measurement variation expanded.

Upper components Model DG-6
(Components for mounting dial gage)



[Application]

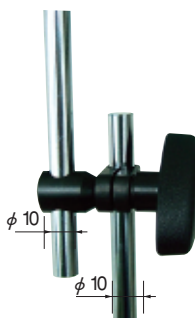
Optionally sold when $\phi 4.5$ mm mounting hole is required on MB-B, BV, F2 and K.

[Features]

●Upper components with $\phi 4.5/6.6$ mm mounting hole.

MB-B (Common with BV/F2)
Model **DG-6-B** (Mounting diameter $\phi 10$)
MB-K (Common with W2S)
Model **DG-6-K** (Mounting diameter $\phi 12$)

Lower components Model MB-CMF
(Components for mounting $\phi 10$ sub pole)



[Application]

An optional unit for mounting one $\phi 10$ sub pole in addition to the existing $\phi 10$ sub pole.

[Features]

●An application range of magnetic bases is expanded such as holding light weight objects by, for example, extending the sub pole.
※Depending on measurement conditions, the rigidity may drop. Pay attention to a drop in measurement accuracy.

Applicable models: MB-B, BV, F2 (Sub pole diameter 10 mm)
Model **MB-CMF1010**

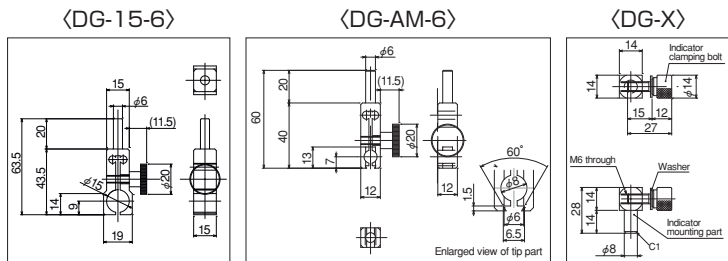
Designed for Magnetic Base and High Lock Base

[Application]

Mounted on a magnetic base or High Lock Base to secure a dial gage, linear gage, etc.

[Features]

- $\phi 6$ shaft to suit the mounting hole of MB Series upper components. (DG-15-6, DG-AM-6)
- A larger diameter dial gage such as a liner gage ($\phi 15$) can be clamped. (DG-15-6)
- $\phi 8$ and $\phi 6$ holes are provided for securing a dial gage in the dovetail groove. (DG-AM-6).
- $\phi 8$ shaft to suit the tip mounting part of MB-MX and MB-OX to secure the bracket of a dial gage. (DG-X)



Model	Applicable Base	Specification	Mass
DG-15-6	MB-series, MX, OX	$\phi 15$ dial gage (linear gage, etc.)	68g / 0.15 lb
DG-AM-6	MB-series	Dial gage with dovetail groove	49g / 0.11 lb
DG-X	MB-MX, OX	Dial gage with bracket	40g / 0.09 lb

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SINE BAR CHUCKS
BLOCKS, HOLDERS, MINI CHUCKS
HOLDING TOOLS
MEASURING TOOL HOLDERS
MAGNETIC HOLDERS
MAGNETIC TOOLS

MEASURING TOOL HOLDERS

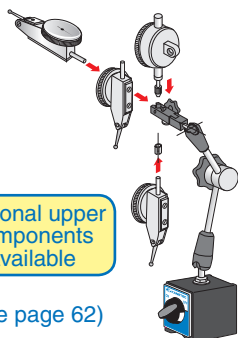
Model MB-MX HIGH LOCK BASE

Mechanical lock & fine movement adjuster

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

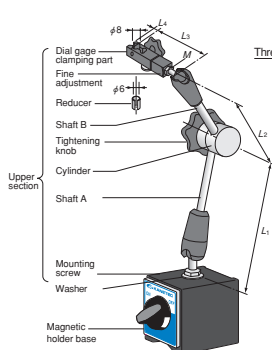


Consistent and highly accurate measurement

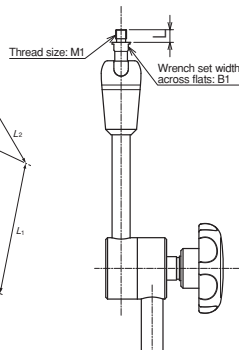


Optional upper components available

(See page 62)

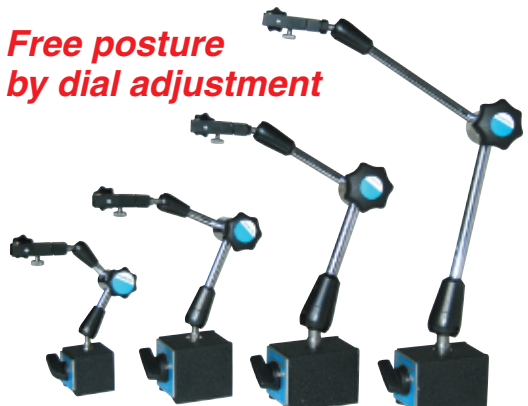


<Names/dimensions>



<Details of part M and dimensions>

Free posture by dial adjustment



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

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

[mm (in)]

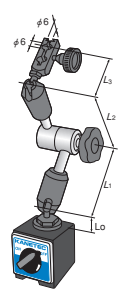
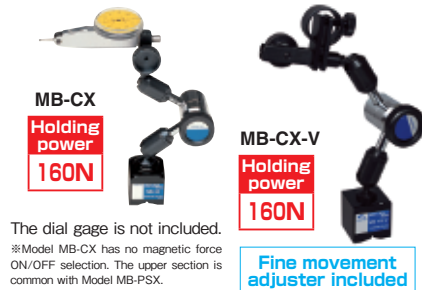
Model	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm				Arm Mounting Tapped Hole	Indicator Clamp		Mass	Feature
			Width	Length	Height	L ₁	L ₂	L ₃	L ₄		M	Stem Hole		
MB-MX13F	Mechanical lock	600N (60kgf)	40 (1.57)	40 (1.57)	40 (1.57)	75 (2.95)	50 (1.96)	64 (2.51)	6.5 (0.25)	M6 (0.23) × 7 (0.28)	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)	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.

[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)	39 (1.53)	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		2.8 (1.10)	28 (1.10)	12 (0.47)	57 (2.24)			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	30 (1.18)	34 (1.33)	35 (1.37)	14 (0.55)	57 (2.24)	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 CHUCKS | CONTROLLERS | MAGNETIC CHUCKS | ELECTROMAGNETIC CHUCKS | PERMANENT CHUCKS | PERMANENT CHUCKS | BLOCKS FOR MC | VACUUM CHUCKS | PROMELTA* SYSTEM | SINE BAR CHUCKS | BLOCKS HOLDERS, MINI CHUCKS | HOLDING TOOLS | MEASURING TOOL HOLDERS | MAGNETIC HOLDERS | MAGNETIC TOOLS

Model MB-OX HIGH LOCK BASE

Hydraulic & fine movement adjuster

[Application]

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

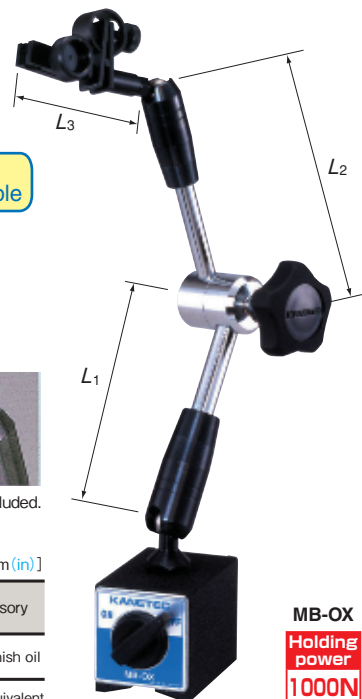
[Features]

- A hydraulic system that tightens joints in three places by one-step operation.
- The arm can be adjusted freely, which facilitates locating the mounted measuring instrument.
- Equipped with a fine movement adjuster.

Optional upper components available
(See page 62)



The dial gage is not included.



[mm (in)]

Model	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm			Arm Mounting Tapped Hole	Indicator Clamp		Mass	Accessory
			Width	Length	Height	L ₁	L ₂	L ₃		Stem Hole	Dovetail		
MB-OX	Hydraulic type	1000N (100kgf)	50 (1.96)	73 (2.87)	55 (2.16)	140 (5.51)	110 (4.33)	81 (3.18)	M8 (0.31) × 1.25 (0.04)	φ8 (0.31) φ6 (0.23)	6.5 (0.25)	2.0kg / 4.4 lb	※ Replenish oil

※The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※Recommended replenish oil: Idemitsu Daphne Super Multi Oil or equivalent

MB-OX
Holding power
1000N

Model GB-MX GRANITE BASE

Mechanical lock & fine movement adjuster

**Measurement on precision granite surface plate!
Highly reliable flexible arm!**

Free posture by dial adjustment



2-step circular base for easy handling

An example of usage



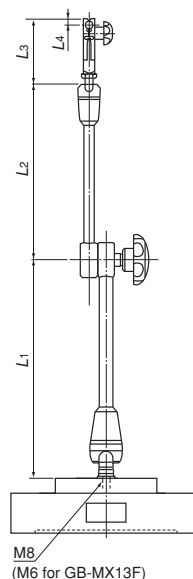
[Application]

Used for precise measurement on a precision granite surface plate.

[Features]

- Granite, unaffected by aged deterioration and rust, is used for the base. There is no change in accuracy and it is easy to maintain.
- The flatness of the base bottom has been precisely finished to better than 2 μm. They can slide smoothly on the granite surface plate to enable measurement by moving the gage.
- The base is of 2-step shape for easy handling.
- The mechanical lock type that has proven reliability is employed for the arm (MB-MX-F).
- Any posture can be set by one-step tightening.
- These bases come with a dedicated storage box.

Model	Base Size	Arm				Mass
		L ₁	L ₂	L ₃	L ₄	
GB-MX13F	□90 (3.54) × 45 (1.77)	75 (2.95)	50 (1.96)	64 (2.51)	6.5 (0.25)	Approx. 1.4kg / 3.08 lb
GB-MX20F	φ120 (4.72) × 50 (1.96)	116 (4.56)	75 (2.95)	65 (2.55)		Approx. 1.8kg / 3.96 lb
GB-MX28F	φ164 (6.45) × 55 (2.16)	160 (6.29)	115 (4.52)	64 (2.51)		Approx. 3.7kg / 8.15 lb
GB-MX40F	φ187 (7.36) × 55 (2.16)	220 (8.66)	175 (6.88)	66 (2.59)		Approx. 4.6kg / 10.1 lb



M8 (M6 for GB-MX13F)

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PROMELTA* SYSTEM
SINE BAR CHUCKS
BLOCKS, HOLDERS, MINI CHUCKS
HOLDING TOOLS
MEASURING TOOL HOLDERS
MAGNETIC HOLDERS
MAGNETIC TOOLS

MEASURING TOOL HOLDERS

Model MB-BRB BORER BASE*

Hardness of V-face increased for longer life!

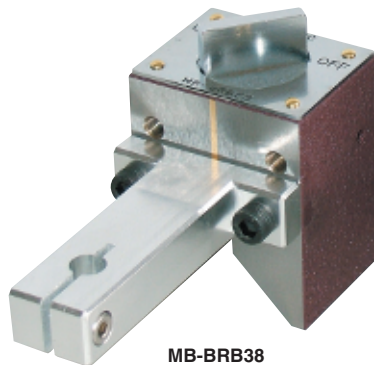
[Application]

Useful for measuring the projected amount of a cutter mounted on the arbor of a boring machine with a dial gage to locate the cutter precisely.

[Features]

- The attractive face (V-face) has been hardened and therefore is less likely to be scratched and highly wear resistant.
- The squareness of the face to secure the dial gage bracket to the V-face is within 5 μm.
- The dial gage mounting bracket for the φ8 stem comes as a standard accessory. The base can be put in use immediately after purchase.
- The dial gage mounting bracket height is selectable. (2 stages)

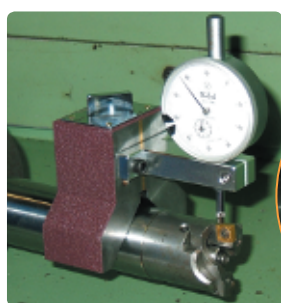
Mounting bracket as standard accessory



MB-BRB38

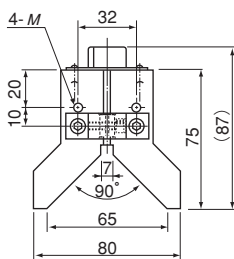
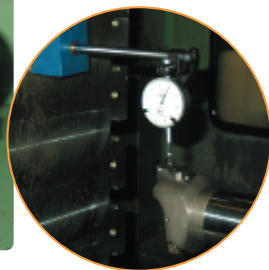


MB-BRB65

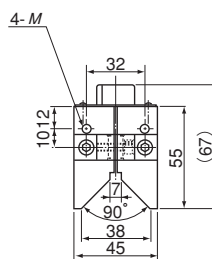


Mountable directly on boring bar

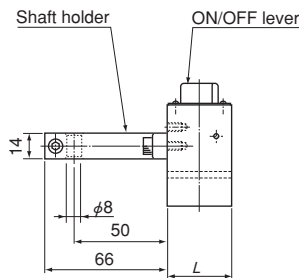
Conventional measuring method



<MB-BRB65>



<MB-BRB38>



[mm (in)]

Model	Dimensions				Holding Part Dimensions		Max. Holding Power	Max. Dia. to Hold	Mass
	Width	Length	Height	M	Width	Angle			
MB-BRB38	45 (1.77)	35 (1.37)	55 (2.16)	M5 (0.19) thread, depth 8 (0.31)	38 (1.49)	90°	137N (14kgf)	φ 45 (1.77)	0.6kg / 0.13 lb
MB-BRB65	80 (3.15)	40 (1.57)	75 (2.95)		65 (2.55)		196N (20kgf)	φ 80 (3.15)	1.1kg / 2.4 lb

The max. holding power is based on a test piece of φ 38 round steel bar (SS400, Ra = 1.6).

Model MB-S BORER BASE*

[Application]

Useful for measuring the projected amount of a cutter mounted on the arbor of a boring machine with a dial gage to locate the cutter precisely.

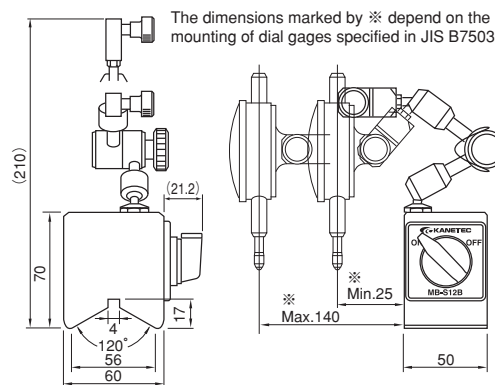
[Features]

- The measuring tool holding arm can be freely locked by one-step tightening, which makes this base suitable for any length between its mounting position and the tip of the cutter.
- Since a magnetic force is used for holding, the dial gage is held firmly even if it is mounted inclined. Further, the magnetic force can be turned on and off for easy mounting and demounting.
- The dial gage is mounted by tightening the bracket with an M6 bolt.



Holding Power
250N
on φ 70

MB-S12B



The dimensions marked by ※ depend on the mounting of dial gages specified in JIS B7503.

[mm (in)]

Model	Holding Power	Arbor Diameter	Holding Part Dimensions		Mass
			Width	Angle	
MB-S12B	250N (25kgf) on φ 70 (2.75)	φ 15 (0.59) - 120 (4.72)	56 (2.20)	120°	1.3kg / 2.8 lb

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MAGNETIC HOLDERS
MAGNETIC TOOLS

Model ME-LED MAGNETIC LED LIGHT STAND

Original light weight & stylish LED stand!



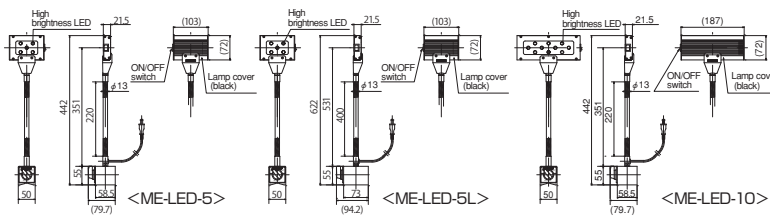
ME-LED-5 ME-LED-5L ME-LED-10

[Application]

Used for area lighting over a work table or machine tool. Also usable as a table light on a steel desk.

[Features]

- The high brightness LED 5 lights/10 lights are used which consume as little electricity as 5W/10W.
- The LED lighting part is of one-piece special construction; light weight and compact.
- All models use only 21.5-mm thin lighting, requiring no wide space for mounting.
- The strong magnetic force allows these stands to be mounted not only on a horizontal surface, but on an inclined surface easily. The flexible tube offers freely selectable lighting angles.



Model	Type	Holding power	Height	High Bright. LED	Luminous Flux	Power Source	Power Consumption	Cord Length	Mass
ME-LED-5	Standard type	800N (80kgf)	442 (17.40)	5 lights	Approx. 400lm	100 VAC	Approx. 5W	1.6m (62.99)	1.45kg/3.19 lb
ME-LED-5L	Tall type	1000N (100kgf)	622 (24.48)						1.83kg/4.03 lb
ME-LED-10	Bigger light type	800N (80kgf)	442 (17.40)	10 lights	Approx. 800lm		Approx. 10W		1.63kg/3.59 lb

※The LED part cannot be replaced or repaired. ※The power plug is of tracking resistance type.

Model ME MAGNETIC LED LAMP STAND

Lamp stand dedicated to compact bulb type LED lamps!

[Application]

Suitable for spotlighting in assembling/inspection work or machining by machine tools.

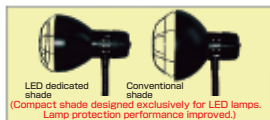
[Features]

- Designed exclusively for bulb type LED lamps. The lamp configuration is compact in comparison with conventional lamp stands. The bulb protection performance has also been improved.
- The bulb type fluorescent lamp can be used in addition to the bulb type LED lamp.
- The strong magnetic force allows these stands to be mounted not only on a horizontal surface, but on an inclined surface easily. The flexible tube offers freely selectable lighting angles.

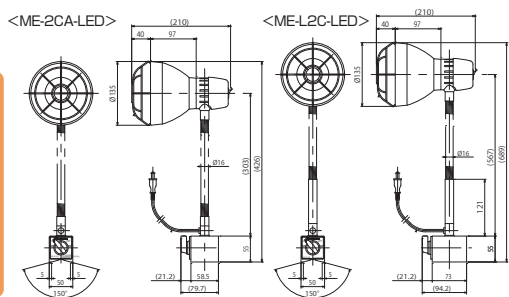


ME-L2C-LED

ME-2CA-LED



Bulb type LED lamp (ME-2CA/L2C-LED-SH) also available.

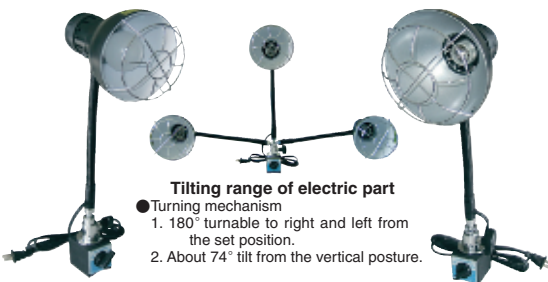


Model	Type	Holding Power	Height	Cord Length	Bulb Capacity	Applicable Bulb	Mass
ME-2CA-LED	Standard type	800N (80kgf)	426 (16.77)	1.6m (62.99)	100 VAC 200 W max	Bulb type LED or bulb type fluorescent lamp (Base metal spec. E26)	1.5kg/3.3 lb
ME-L2C-LED	Tall type	1000N (100kgf)	689 (27.12)				2.5kg/5.5 lb

※The bulb type LED lamps are not included. ※The incandescent lamps cannot be used. ※The power plug is of tracking resistance type. ※The lampshade for ME-2CA-LED/L2C-LED is dedicated to the LED. It cannot be mounted on the conventional ME-2CA/L2C (lamp stand of incandescent lamp type). ※ME-2CA-LED-SH/ME-L2C-LED-SH come with a Toshiba bulb type LED lamp (equivalent to LDA4N-G/40W, power consumption 4.4 W). (Available individually)

Model ME-F MAGNETIC LAMP STAND FOR WIDE AREA

Turning mechanism gives wider lighting area!



ME-F2-LED (LED type)

ME-F2 (incandescent lamp type)

※The bulb is not included.

※The bulb is not included.

Tilting range of electric part

- Turning mechanism
- 1. 180° turnable to right and left from the set position.
- 2. About 74° tilt from the vertical posture.

[Application]

Suitable for spotlighting in assembling/inspection work or machining by machine tools.

[Features]

- The employment of a turning mechanism and flexible tube enables a wide range of angle adjustment after positioning and provides suitable lighting angles as desired.
- The strong magnetic force allows these stands to be mounted not only on a horizontal surface, but on an inclined surface easily.
- The protective guard protects the bulb from breakage when the stand falls.
- The employment of an oil-resistant power cord allows these stands to be used on various work sites.

Model	Type	Holding power	Height	Cord Length	Bulb Capacity	Applicable Bulb	Mass
ME-F2	Incandescent lamp type	800N (80kgf)	493 (19.4)	1.6m (62.99)	100 VAC, 100 W max.	Incandescent lamp	1.9kg/4.18 lb
ME-F2-LED	LED type		477 (18.7)				

※The bulb is not included. ※The LED lamp alone is available. (LDA4N-G/40W or equivalent, power consumption 4.4 W)
 ※The holding power is based on a test piece of SS400, 10 mm thick, ground surface.
 ※The power plug is of tracking resistance type.

For dimensions, see page 68.

ELECTROMAGNETIC CHUCKS
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 PROMELTA* SYSTEM
 SINE BAR CHUCKS
 BLOCKS, HOLDERS, MINI CHUCKS
 HOLDING TOOLS
 MEASURING TOOL HOLDERS
 MAGNETIC HOLDERS
 MAGNETIC TOOLS

MEASURING TOOL HOLDERS

Model ME-BLW WATERPROOF LED LIGHT STAND

Light part waterproof

Parts available individually

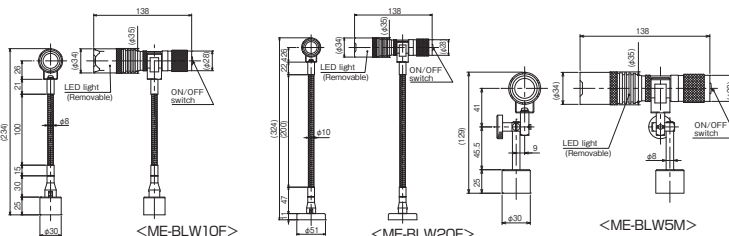
LED light illuminates a target place brightly!

[Application]

Recommended not only for field work but also for various situations such as precision machining, inspection, spotlighting, DIY work and outdoor.

[Features]

- The high brightness LED is equipped with a 2-stage brightness switchover function, which allows selection of brightness according to situations.
- The flexible tube type allows the lighting direction to be set as desired. The mechanical lock type is compact and can be locked quickly for use in a limited space.
- The LED light can be removed from the holder and carried for DIY work and during night.



[mm (in)]

Model	Type	Holding power	Height	LED Light				Mass
				LED	Illuminance	Battery	Battery Life	
ME-BLW10F	Standard type	150N (15kgf)	234 (9.21)	High brightness LED 1 pc used	Approx. 2000 lx ※1	AAA battery × 3 pcs ※2	Continuous on Approx. 5 hours	300g / 0.661 lb
ME-BLW20F	Long type	100N (10kgf)	324 (12.75)					330g / 0.727 lb
ME-BLW5M	Mechanical lock type	150N (15kgf)	129 (5.07)					300g / 0.661 lb

※1 Initial value under the condition of distance 500 mm, new alkaline battery used. ※2 The battery is not included.

Model ME OUTDOOR TYPE MAGNETIC LAMP STAND

[Application]

Most suitable for area lighting during outdoor work. Small and compact, but the strong magnetic holding power enables this stand to be mounted not only on a horizontal surface, but on an inclined and vertical surfaces easily.

[Features]

- The stand can be installed in any place, removed and relocated.
- The reflective cover is of 360° drain construction that does not allow deposition of water in any direction. (LED type)
- With the holding position remaining unchanged, only the lighting direction can be changed as desired.
- The protective guard reduces a risk of breakage if the stand falls.
- The work lamp is of highly safe double insulation construction requiring no grounding. (LED type)



ME-5RA



ME-5RA-LED

Model	Holding Power	Magnet ON/OFF	Height	Cord Length	Buld Capacity	Accessory Bulb	Mass
ME-5RA	1000N (100kgf)	Not provided	248 (9.76)	5m (196.8)	100VAC 200W	Provided	2kg / 4.4 lb
ME-5RA-LED			262 (103)		100VAC 20W		2.4kg / 5.29 lb

※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※ The power plug is of tracking resistance type.

※ ME-5RA comes with HATAYA Model RS-200WH (RF110V180WH) base 26.

LED bulb dedicated to ME-5RA-LED

Model	Buld Capacity	LED Life	Luminous Flux	Beam Angle	Mass
ME-5RA-LED Exclusive LED bulb	100 VAC 200 W	Approx. 40,000hours	1650lm	60°	0.315kg / 0.694 lb

※ The LED bulb included with ME-5RA-LED is a dedicated bulb. When you require LED bulbs, please contact the nearest dealer or our sales office.

Model ME MAGNETIC LAMP STAND

Regular lamp stand! ME Series!

Standard type



Holding power
800N

ME-2CA

Simple type



Holding power
300N

ME-N2A

Fluorescent lamp type



Holding power
1000N

ME-F1C

Tall type



Holding power
1000N

ME-L2C

Reflective plate type



Holding power
800N

ME-2CA-R

Power-saving lamp type



Holding power
800N

ME-ELC

Model **ME** MAGNETIC LAMP STAND

[Application]

The magnetic lamp stands allow the magnet to be turned on and off quickly, and thus can easily be installed in any place, removed and relocated. These stands are most suitable for lighting work areas on work tables or machine tools.

Small and compact, but the strong magnetic holding power enables this stand to be installed not only on a horizontal surface, but on an inclined surface easily. The flexible tube offers freely selectable lighting angles.

[Features]

- While the installation position is fixed by the attractive face, the lighting direction can be changed as desired.
- The protective guard protects the bulb from breakage if the stand falls.
- The employment of an oil-resistant power cord allows these stands to be used on various work sites.

(ME-2CA-R)

- Illuminance tripled and heat generation reduced 50%. Great power saving.
- Problems associated with incandescent lamps having good color rendering*1 have been resolved.

*1 Color rendering ... A level of easiness of reading vernier scales and fine articles.



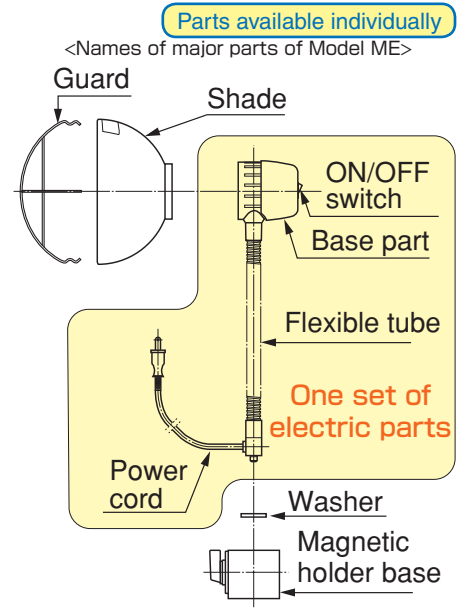
Comparison of illuminance when the special reflective plate is used and not used (LUX)

Bulb	Reflective Plate Used	Reflective Plate Not Used
40W	850	300
60W	1300	420
100W	2100	640

(ME-ELC)

- A spiral type fluorescent lamp having high luminous intensity distribution efficiency is used. A lamp equivalent to 12W (100V) is as bright as a 60W incandescent lamp.
- Heat generated during operation has been reduced significantly. When compared with temperature rise of a 60W incandescent lamp, temperature is lower by about 40%.
- A long life; a service life is 5 times longer than incandescent lamps. Average life as long as 10,000 hours.
- A small and light weight shade is used.
- The lamp is housed inside the shade, which protects the lamp from breakage if the stand falls.

Dedicated fluorescent lamp



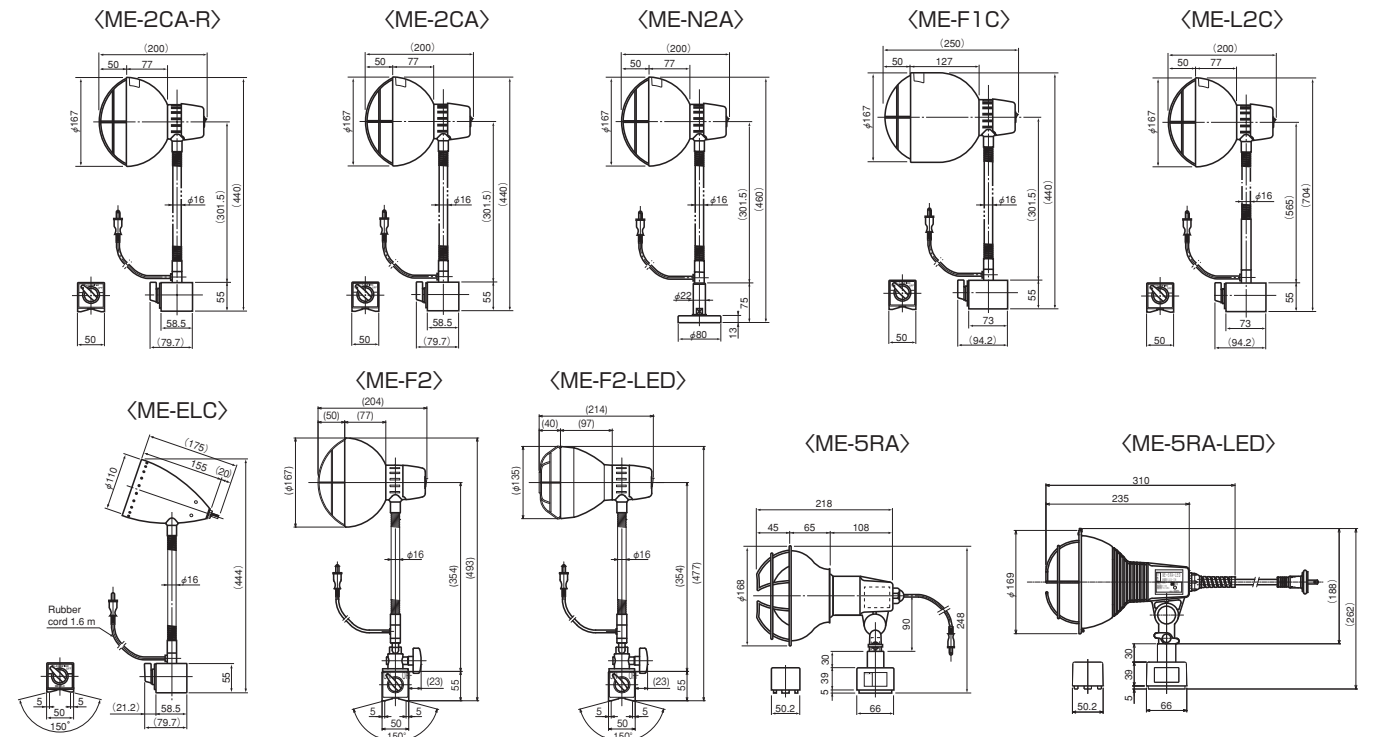
※ The bulb is not included except for Model ME-ELC. Use a bulb of base E26.

⚠ Precautions for use

- A lamp to use must be of the correct rating. The use of a lamp exceeding the rating will cause injury or accident due to heat.
- For replacement of the lamp included with ME-ELC, please use a KANETEC recommended lamp for safe operation. Please contact your nearest dealer or KANETEC sales office.

Model	Type	Holding Power	Height	Cord Length	Bulb Capacity	Mass
ME-2CA	Standard type	800N (80kgf)	440 (17.3)	1.6m (62.9)	100 VAC Upper limit 100W, optimum 60W	1.6kg/3.5 lb
ME-2CA-R	Reflective plate type				100 VAC Upper limit 100W, optimum 40W	1.6kg/3.5 lb
ME-N2A	Simple type	300N (30kgf)	460 (18.1)		100 VAC Upper limit 100W, optimum 60W	1.2kg/2.6 lb
ME-L2C	Tall type	1000N (100kgf)	704 (27.7)		100 VAC Upper limit 100W, optimum 60W	2.2kg/4.8 lb
ME-F1C	Fluorescent lamp type		440 (17.3)		100 VAC Upper limit 60W, optimum 60W	2.0kg/4.4 lb
ME-ELC	Power-saving lamp type	800N (80kgf)	444 (17.4)		1.6kg/3.5 lb	

※ME-ELC comes with a 12W (100 VAC used) spiral fluorescent lamp base 26. ※When using a stand with a 100W incandescent lamp for long hours, rating-related problems will not arise, but caution must be taken against overheating when handling it. ※Depending on the dimensions of bulb type fluorescent lamps, they may be used on ME-2CA. ※The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※The power plug is of tracking resistance type.



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HOLDING TOOLS
MEASURING TOOL HOLDERS
MAGNETIC HOLDERS
MAGNETIC TOOLS

MEASURING TOOL HOLDERS

Model MB-P MAGNETIC HOLDER BASE

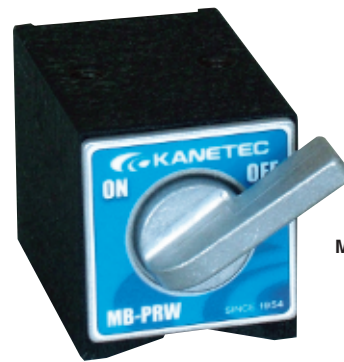
ELECTROMAGNETIC CHUCK CONTROLLERS: PERMANENT MAGNETIC CHUCKS: PERMANENT MAGNETIC CHUCKS: ELECTROMAGNETIC CHUCKS: BLOCKS FOR MC: VACUUM CHUCKS: PROMELTA* CHUCKS: SINE BAR CHUCKS: BLOCKS, HOLDERS, MINI CHUCKS: HOLDING TOOLS: MEASURING TOOL HOLDERS: MAGNETIC HOLDERS: MAGNETIC TOOLS



MB-PB
Holding power **800N**



MB-PR
Holding power **1000N**



MB-PRW
Holding power **600N**



MB-PL
Holding power **1300N**

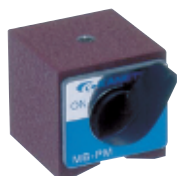


MB-PH
Holding power **1250N**

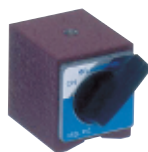


MB-PG
Holding power **1500N**

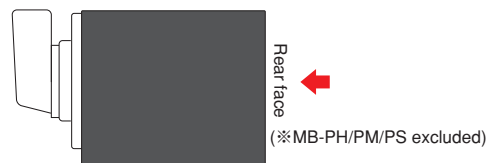
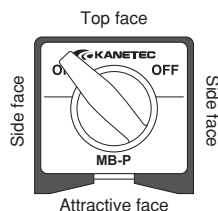
※If a plate is to be mounted on the top face, be sure to use a nonmagnetic material (e.g. aluminum, SUS304, brass plate). If a magnetic material such as iron is mounted on the top face, the holding power will drop significantly.



MB-PM
Holding power **600N**



MB-PS
Holding power **300N**



↑ indicates the attractive face.

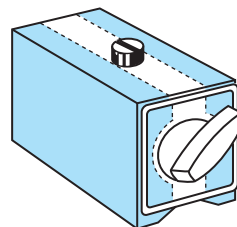
[Application]

Used as magnetic holders of magnetic force ON/OFF type. Available in a wide range of sizes from minimum and medium to large.

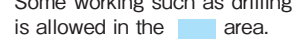
Useful as a base for temporarily mounted legs of equipment, sensors and lasers by mounting a jig using tapped holes or by some additional machining.

[Features]

- Compact, yet the base generates a strong magnetic force.
- The attractive face is either of V-groove mechanism or [□] type for attaching on a curved surface according to applications. The face opposite to the ON/OFF switch face is also attractive. (MB-PH, MB-PM and MB-PS excluded)
- Although tapped holes are provided, some additional working is possible as shown.

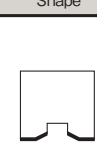


Workable area on magnetic holder base

Some working such as drilling is allowed in the  area. See Precautions on page 72 also.

Detailed dimensions are shown on page 72. 

[mm (in)]

Model	Holding Power	Dimensions			Tapped Hole	Attractive Face Shape	Rear Face Attraction	Mass
		Width	Length	Height				
MB-PB	800N (80kgf)	50 (1.96)	58.5 (2.30)	55 (2.16)	M 8 (0.31) × 1.25 (0.04), depth 7 (0.27)		○	1.0kg/2.2 lb
MB-PR	1000N (100kgf)		73 (2.87)		M 2-M 8 (0.31) × 1.25 (0.04), depth 7 (0.27)			1.3kg/2.8 lb
MB-PRW	600N (60kgf)		117 (4.60)		M10 (0.39) × 1.25 (0.04), depth 7 (0.27)			1.2kg/2.6 lb
MB-PL	1300N (130kgf)		70 (2.75)		80 (3.15)			M12 (0.47) × 1.75 (0.06), depth 11 (0.43)
MB-PH	1250N (125kgf)	40 (1.57)	40 (1.57)	40 (1.57)	M6 (0.23) ×, depth 6 (0.23)	□	×	3.0kg/6.6 lb
MB-PM	600N (60kgf)	30 (1.18)	34 (1.33)	35 (1.37)	M5 (0.19) ×, depth 4 (0.15)			0.5kg/1.1 lb
MB-PS	300N (30kgf)	50 (1.96)	120 (4.72)	52 (2.04)	M 8 (0.31) × 1.25 (0.04), depth 7 (0.27)			0.2kg/0.4 lb
MB-PG	1500N (150kgf)					□	○	1.9kg/4.1 lb

※The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※MB-PRW is of waterproof construction.

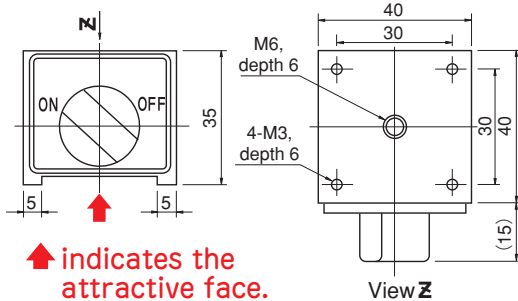
※MB-PB, PR and PG may be equipped with a grip (optional) of KM-B (page 71). ※If a magnetic plate is attracted on the top face, the holding power will drop significantly.

Model MB MAGNETIC HOLDER BASE

Holding power
200N
or over.



MB-0404



↑ indicates the attractive face.

[Application]

This base can be used widely as a magnetic force ON/OFF type magnetic holder base. It is designed small and is useful as a base for temporarily mounted legs of equipment, sensors and lasers by mounting a jig using tapped holes or by some additional machining.

[Features]

- The base can be mounted and demounted easily using the ON/OFF lever.
- Compact but powerful magnetic force.
- Drip-proof and oil-resistant construction.

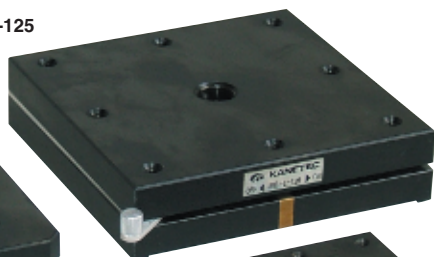
Model	Holding Power	Dimensions			Mounting Hole		Mass
		Width	Height	Length			
MB-0404	200N (20kgf) or over	40 (1.57)	35 (1.37)	40 (1.57)	M6 (0.23), depth 6 (0.23) (center tapped hole)	4-M3 (0.11), depth 6 (0.23) (pitch 30 (1.18)) (Tapped holes on periphery)	0.4kg/0.8 lb

※The holding power is based on a test piece of SS400, 25 mm thick, ground surface.

Model MB-L THIN PERMANENT MAGNETIC HOLDER BASE

Holding power
800N

MB-L-125



Holding power
250N

MB-L-90



Holding power
65N

MB-L-45

Holding power
200N

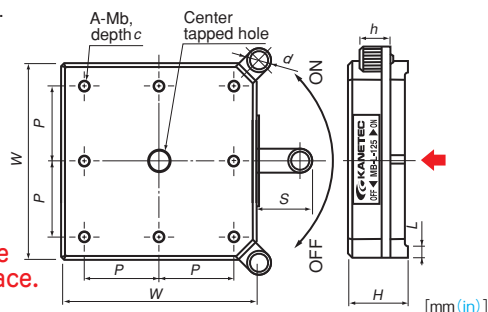
MB-L-65

[Application]

Suitable as a base for securing jigs and measuring equipment on an iron surface plate or machine table and as a temporary base for laser and optical measurement. Since these bases are of switchover type permanent magnetic bases, they are recommended for applications that require fine adjustment and accuracy.

[Features]

- Simple ON/OFF operation with the lever.
- Thin and powerful magnetic force.
- Dry specification.



↑ indicates the attractive face.

An example of usage

Mounting base of precision equipment



Model	Holding Power	Dimensions			Center Tapped Hole	Peripheral Tapped Hole				Operating Lever		Mass	
		W	H	L		P	A	b	c	S	d		h
MB-L-45	65N (6.5kgf)	45 (1.77)	20 (0.78)	2.5 (0.09)	M8 (0.31) × P1.25 (0.04), depth 8 (0.31)	25 (0.98)	4	M4 (0.15) × P0.7 (0.02)	6 (0.23)	15 (0.59)	19 (0.74)	9 (0.35)	0.3kg/0.66 lb
MB-L-65	200N (20kgf)	65 (2.55)	20 (0.78)	4 (0.15)	M8 (0.31) × P1.25 (0.04), depth 8 (0.31)	25 (0.98)	8	M4 (0.15) × P0.7 (0.02)	6 (0.23)	19 (0.74)	24 (0.94)	10 (0.39)	0.6kg/1.32 lb
MB-L-90	250N (25kgf)	90 (3.54)	20 (0.78)	6 (0.23)	M8 (0.31) × P1.25 (0.04), depth 8 (0.31)	25 (0.98)	8	M4 (0.15) × P0.7 (0.02)	6 (0.23)	24 (0.94)	24 (0.94)	10 (0.39)	1.2kg/2.64 lb
MB-L-125	800N (80kgf)	125 (4.92)	30 (1.18)	6 (0.23)	M16 (0.23) × P1.0 (0.03), depth 8 (0.31)	50 (1.96)	8	M6 (0.23) × P1.0 (0.03)	8 (0.31)	36 (1.41)	36 (1.41)	10 (0.39)	3.3kg/7.27 lb

※The holding power is based on a test piece of SS400, 25 mm thick, ground surface.
 ※Slight additional work such as making a tapped hole on the top face is allowed. For details, please contact us.

Model MB-L-C THIN PERMANENT MAGNETIC HOLDER BASE



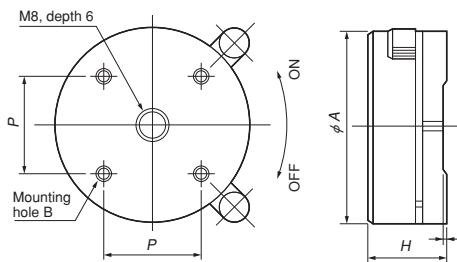
Holding power
59N

MB-L-C50



Holding power
196N

MB-L-C75



↑ indicates the attractive face.

[Application]

Suitable as a base for securing jigs and measuring equipment on an iron surface plate or machine table and as a temporary base for laser and optical measurement. Since these bases are of switchover type permanent magnetic bases, they are recommended for applications that require fine adjustment and accuracy.

[Features]

- Simple ON/OFF operation with the lever.
- Thin and powerful magnetic force.
- Dry specification.

Model	Holding Power	Dimensions		Mounting Hole		Mass
		A	H	P	B	
MB-L-C50	59N (6kgf)	50 (1.96)	20 (0.78)	25 (0.98)	M4 (0.15) Depth 6 (0.23)	0.30kg/0.6 lb
MB-L-C75	196N (20kgf)	75 (2.95)	20 (0.78)	35 (1.37)	M4 (0.15) Depth 6 (0.23)	0.68kg/1.5 lb

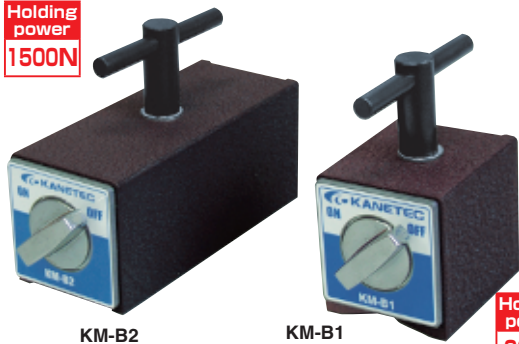
※The holding power is based on a test piece of SS400, 25 mm thick, ground surface.
 ※Slight additional work such as making a tapped hole on the top face is allowed. For details, please contact us.

ELECTROMAGNETIC CHUCKS
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 PERMANENT ELECTROMAGNETIC CHUCKS
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 BLOCKS, HOLDERS, MINI CHUCKS
 HOLDING TOOLS
 MEASURING TOOL HOLDERS
 MAGNETIC HOLDERS
 MAGNETIC TOOLS

MEASURING TOOL HOLDERS

Model KM-B RULER HOLDER

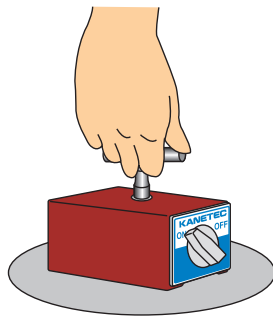
Holding power
1500N



KM-B2

KM-B1

Parts available individually



Holding power
800N

[Application]

Useful for a wide variety of operations; holding down a large ruler on a floor or wall during machining of iron plates, etc. and moving workpieces after cutting or attracting and removing chips.

- ※If used at high temperature, the holding power may drop.
- ※For transporting heavy workpieces, Model HL-15 (page 97) having a reinforced grip to withstand the weight is available.

[Features]

- Attachable and detachable easily with the ON/OFF lever.
- KM-B1 has the attractive face of V-groove and KM-B2 has the attractive face of inverted concave shape, which can be selected according to purposes of use.

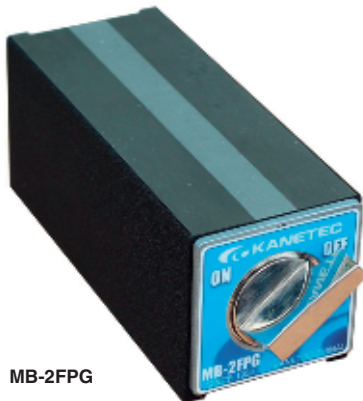
[mm (in)]

Model	Holding Power	Magnetic Holder Base			Mounting Tapped Hole	Mass
		Width	Length	Height		
KM-B1	800N (80kgf)	50 (1.96)	58.5 (2.30)	55 (2.16)	M 8 (0.31) × 1.25 (0.04), Depth 7 (0.27)	1.1kg/2.4 lb
KM-B2	1500N (150kgf)		120 (4.72)	52 (2.04)		1.9kg/4.2 lb

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

Model MB-2FPG DOUBLE-FACE HOLDING MAGNETIC HOLDER BASE

A wide range of applications such as holding workpieces during welding and during precision measurement!



MB-2FPG

[Application]

Since workpieces can be held on the top face and bottom face simultaneously, this holder is suitable for holding workpieces on an iron surface plate.

[Features]

- The faces have been finished precisely to make this holder usable for measurement purpose also.
- The attractive face has a \square shape designed specially for flat surface attraction such as on an iron surface plate.

[mm (in)]

Model	Holding Power	Mounting Hole			Mass
		Width	Length	Height	
MB-2FPG	1471N (150kgf)	50 (1.96)	120 (4.72)	51.5 (2.02)	2.5kg/5.5 lb

※Bottom face holding power when workpiece held on whole top face: 294 N (30 kgf), Top face holding power when workpiece held on whole bottom face: 245 N (25 kgf)

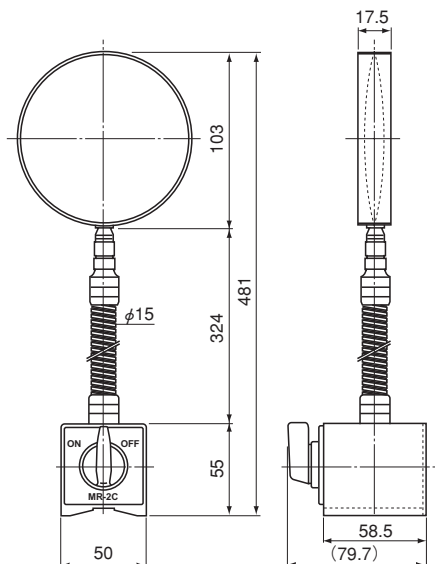
(*Top face holding power when workpiece held on whole bottom face* is based on a test piece of S15C, $\square 50 \times t25$.)

Caution: Attraction on a curved face not allowed. Not waterproof construction. For use of several bases simultaneously, they need to be finished together. Please contact us.

Model MR MAGNETIC LENS STAND MAGLENS*



MR-2C
Holding power
800N

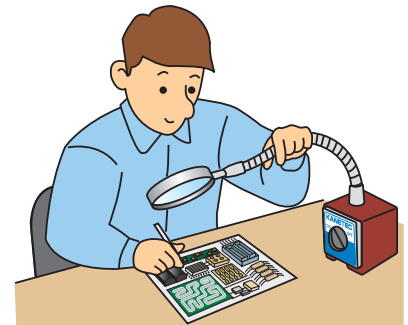


[Application]

Very useful for reading a scale of measuring instruments.

[Features]

- The bright and large diameter lens protects your eyes from fatigue and facilitates reading.
- The Maglens is equipped with a flexible tube which enables the Maglens to be set at any angle as desired. The lens is also turnable.



[mm (in)]

Model	Holding Power	Flexible Tube Length	Lens Dia.	Focus Distance	Magnification	Mass
MR-2C	800N (80kgf)	257 (10.1)	$\phi 100$ (3.93)	250 (9.84)	$\times 2$	1.5kg/3.3 lb

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

