

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.
- The base is made square to enhance the stability when a dial gage is mounted.



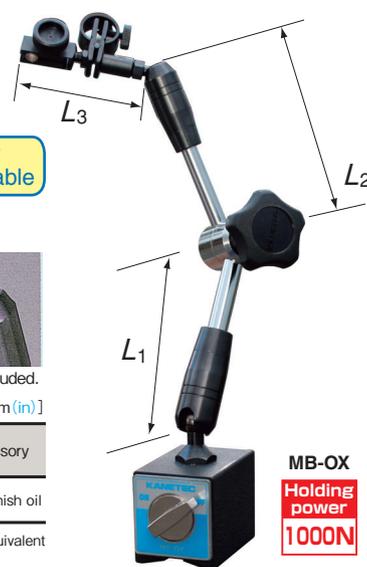
Optional upper components available
(See page 64)

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
※ The fixing force may change when pressure changes due to ambient temperature.



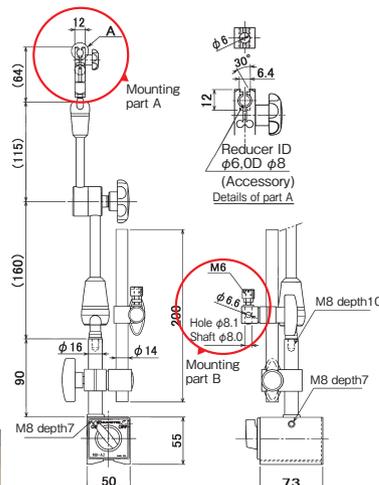
MB-OX
Holding power
1000N

ELECTROMAGNETIC CHUCKS
CHUCK CONTROLLERS
PERMANENT ELECTROMAGNETIC CHUCKS
PERMANENT ELECTROMAGNETIC CHUCKS

Model MB-A2 TWO ARMS TYPE MAGNETIC BASE



MB-A2
Holding power
1000N



[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. They can also be used to hold the sensors in place.

[Features]

- Since one magnetic base is equipped with two arms, no extra space is required for 2-point simultaneous measurement in limited space on lathes, etc.
- The arms have a different locking mechanism to allow them to be used differently depending on measurement conditions.
- The layout of arms can be changed by utilization of the mounting hole provided on the side face of the base.

[mm (in)]

| Model | Holding Power | Magnetic Holder Base | | | Indicator Clamp A | | Indicator Clamp B | | Mass |
|-------|----------------|----------------------|-----------|-----------|--------------------------|------------|------------------------|-----------------------|----------------|
| | | Width | Length | Height | Stem Hole | Dovetail | Stem Hole | Indicator Clamp Screw | |
| MB-A2 | 1000N (100kgf) | 50 (1.96) | 73 (2.87) | 55 (2.16) | φ6 (0.23) ※ φ8 (0.31) | 6.5 (0.25) | φ6 (0.23) φ8 (0.31) | M6 (0.23) | 2.7kg / 5.9 lb |

※ When reducer is used.

BLOCKS FOR MC
VACUUM CHUCKS
PROMELTA* SYSTEM
SINE BAR CHUCKS
BLOCKS HOLDERS, MINI CHUCKS

Model GB-MX GRANITE BASE

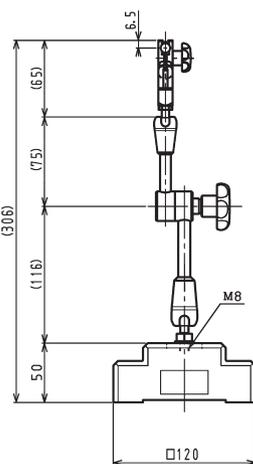
Mechanical lock & fine movement adjuster

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

Free posture by dial adjustment



GB-MX20F-A



[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 made square to enhance the stability when a dial gage is mounted.
- 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.

[mm (in)]

| Model | Base Size | Mass |
|------------|-------------------------|-------------------------|
| GB-MX20F-A | □120 (4.72) × 50 (1.96) | Approx. 2.7kg / 5.95 lb |

HOLDING TOOLS
MEASURING TOOL HOLDERS
MAGNETIC HOLDERS
MAGNETIC TOOLS