

MAGNETIC HOLDERS

Types of magnetic holders

| Product Name | Model | Application |
|----------------------------------|-------------------|--|
| Electromagnetic holder | KE-B·E(D)·R·K·V·M | Used for automation of press machines and shearing robots. |
| Permanent electromagnetic holder | KEP·KE-HA | |
| Permanent magnetic holder | KM | Imbedded in molds. Holding various workpieces. |

※Also see the Facsimile Communication Form (Selection Data) at the end of this Catalog.

Model KE-B ELECTROMAGNETIC HOLDER

Useful for automated manufacturing lines as the magnetic force can be turned on and off or increased/decreased or operated remotely via a rectifier (to be installed additionally).

Rectifier required additionally



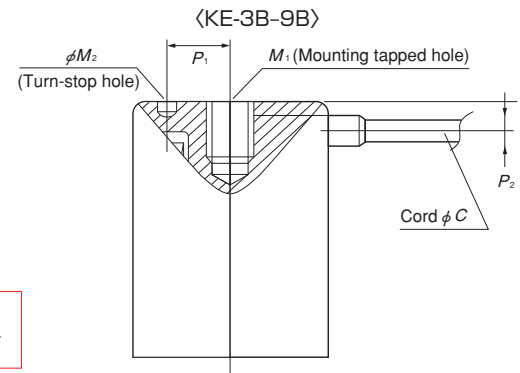
[Application]

These holders are suitable for a wide range of operations such as feeding materials on automatic press machines, preventing deflection of shearing materials, various automatic processes and hands of industrial robots.

[Features]

- Special cables that have specially high durability against bending and vibration are used. (Employed in all models except for KE-1B.)
- Electrical control can be used for turning on and off the magnetic force and for remote operation.
- Usable continuously.
- Finished by plating.

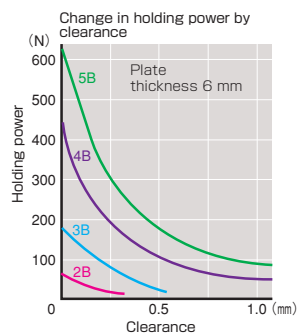
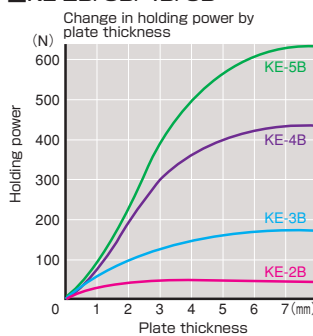
A type of cord on the top face spec. (KE-B-U) is also available.



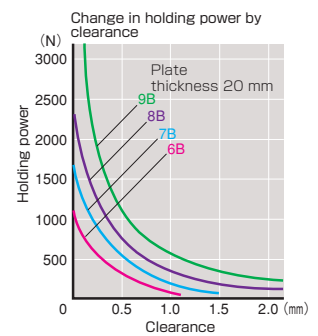
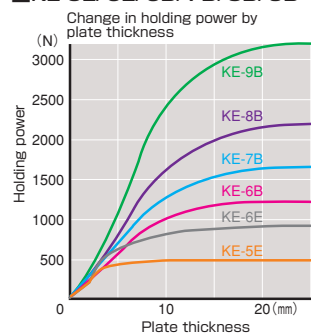
Precautions for use

Rust and scratches on the attractive face affect the holding power adversely. Repair it periodically. When used continuously, the holder will become very hot. Exercise caution.

KE-2B/3B/4B/5B



KE-5E/6E/6B/7B/8B/9B



| Model | Nominal Size | Max. Holding Power | Mounting Hole | | | Power Cord | | Voltage | Current | Working Rate | Applicable Rectifier | Mass | |
|-------|------------------------|--------------------|--|--|------------------------|-------------|------------------------------------|---------|-------------------------|--------------|--|---|-------------------------------|
| | | | M ₁ | M ₂ | P ₁ | C | P ₂ | | | | | | |
| KE-1B | φ10 (0.39) × 30 (1.18) | 8N (0.8kgf) | M4 (0.15) × 0.7 (0.02) Depth 6 (0.23) | — | — | — | — | 6 VDC | 0.18A | 100% ED | KR-T101A-6/24 RH-M303A-6/24, -C1, -C2 | 15g/0.03 lb | |
| KE-2B | φ20 (0.78) × 40 (1.57) | 28N (2.8kgf) | M6 (0.23) × 1.0 (0.03) Depth 12 (0.47) | φ4 (0.15) Depth 2 (0.07) φ4 (0.15) Depth 3 (0.11) | 10 (0.39) 15 (0.59) | φ3.7 (0.14) | 7 (0.27) 8 (0.31) 8.5 (0.33) | 24 VDC | 0.07A 0.19A 0.24A | | KR-T101A-6/24 RH-M303A-6/24, -C1, -C2 RH-M105B-24 | 60g/0.13 lb 150g/0.33 lb 300g/0.66 lb | |
| KE-3B | φ30 (1.18) × 40 (1.57) | 180N (18kgf) | M6 (0.23) × 1.25 (0.04) Depth 15 (0.59) | φ5 (0.19) Depth 4 (0.15) | 18 (0.70) 20 (0.78) | φ6.2 (0.24) | 10 (0.39) 12 (0.47) | 90 VDC | 0.12A 0.19A | | KR-N101A KR-N103A RH-M102C RH-M105B RH-M205B | RH-M210B | 560g/1.23 lb 1.0kg/2.20 lb |
| KE-4B | φ40 (1.57) × 40 (1.57) | 400N (40kgf) | M8 (0.31) × 1.5 (0.05) Depth 15 (0.59) | φ6 (0.23) Depth 6 (0.23) | | | 15 (0.59) | | 15 (0.59) | | | | 0.20A 0.26A 0.35A |
| KE-5B | φ50 (1.96) × 50 (1.96) | 590N (60kgf) | M10 (0.39) × 1.5 (0.05) Depth 15 (0.59) | — | — | — | — | — | — | | — | — | — |
| KE-6B | φ60 (2.36) × 60 (2.36) | 1080N (110kgf) | — | — | — | — | — | — | — | | — | — | — |
| KE-7B | φ70 (2.75) × 60 (2.36) | 1470N (150kgf) | — | — | — | — | — | — | — | | — | — | — |
| KE-8B | φ80 (3.15) × 60 (2.36) | 1960N (200kgf) | — | — | — | — | — | — | — | | — | — | — |
| KE-9B | φ90 (3.54) × 60 (2.36) | 3230N (330kgf) | — | — | — | — | — | — | — | | — | — | — |

※Cord length 0.3 m (0.25 m lead for KE-1B only)

1N=0.1kgf

※The max. holding power of Models KE-1B to 4B is based on a test piece of SS400, 10 mm thick, ground surface held on the whole area, and that of KE-5B to 9B, a test piece of SS400, 20 mm thick, ground surface held on the whole area.

※For KE-3B to 9B, a drip-proof type is also available.