

Magnet

Urethane Baked / Epoxy Resin Coating / Magnetization Direction

Urethane Baked

Type	①Urethane		②Magnet		Heat Resistant Temperature
	M Material	Hardness	M Material	S Surface Treatment	
HXUR	Ether-based Polyurethane	Shore A90	Neodymium Magnet	Electroless Nickel Plating	80°C

Magnetization Direction: Y-direction

RoHS10

Part Number	Type	D	L	d	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
		6	5	4	4.70 {0.48}	4000~4200	
		8	5	5	7.64 {0.78}	4300~4500	
		8	6	6	11.76 {1.20}	4400~4600	
		10	8	8	23.03 {2.35}	4600~4800	
		12	10	10	38.02 {3.88}	4900~5100	

- ① Attraction Force and Surface Flux Density are reference values for magnets alone.
- ② N pole is colored red.
- ③ The top and bottom surfaces are not coated with urethane.

Part Number - L
HXUR5 - 5

Features

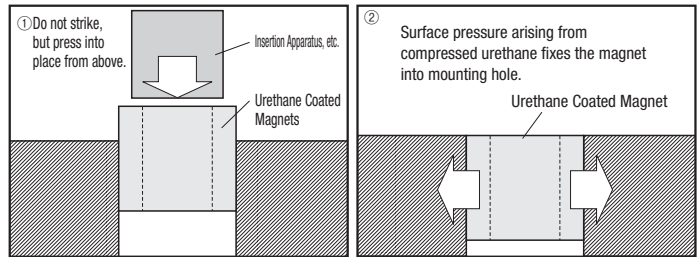
• Can be installed without the need for adhesive or screw.

About Installation

- Drill a through hole or deep hole as a mounting hole.
 - For recommended hole tolerance, see the table below.
 - When mounting, press the magnet into the component slowly. Do not hit the magnet part.
 - Push Urethane section, as well as Magnet section inward.
 - Adopts keyless clamping mechanism which utilizes urethane surface pressure around the magnet for fixing into mounting hole.
- Due to this, the actual O.D. is slightly larger than recommended hole size.

Material	Recommended Mounting Hole Tolerance	Mating Force N {kgf}	Unmating Force N {kgf}	Vibration Test Result (JIS C 60068-2-6) (under No Load)
Iron (SS400)	+0.1 0	300 {30.6}	180 {18.3}	○
Aluminum (A5052)	+0.1 0	400 {40.8}	170 {17.3}	○
Resin (MC Nylon)	+0.1 0	300 {30.6}	150 {15.3}	○

① Mating and Unmating Force are reference values.



Epoxy Resin Coating

Type	M Material	S Surface Treatment	Heat Resistant Temperature

Resin Coating

Magnetization Direction: Y-direction

RoHS10

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
		4	5	4.4 {0.45}	4200~4400	
		5	6	6.8 {0.7}	4400~4600	
		6	6	9.8 {1.0}	4400~4600	
		8	8	18.6 {1.9}	4600~4800	
		10	10	33.3 {3.4}	4800~5000	

- ① Resin coating enhances water-resistant and antirust properties.
- ② Attraction Force and Surface Flux Density are reference values for magnets alone.
- ③ N pole is colored white.

Magnetization Direction

Type	M Material	S Surface Treatment	Heat Resistant Temperature

Magnetization Direction: X-direction

RoHS10

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
		10	10	11.8 {1.2}	4300~4500	
		15	15	12.7 {1.3}	4300~4500	
		15	20	23.5 {2.4}	5600~5800	
		20	20	35.3 {3.6}	5600~5800	

① Attraction Force and Surface Flux Density are reference values for magnets alone. ② N pole is colored red.

Ordering Example

Part Number - L
HXNJ3
RHXN5 - 10