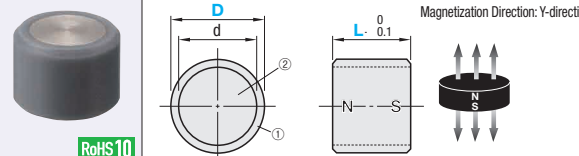


Magnet

Urethane Baked / Epoxy Resin Coating / Magnetization Direction

■ Urethane Baked



RoHS 10

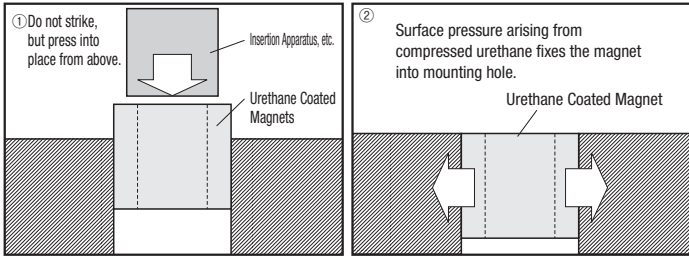
Part Number - L
HXUR5 - 5

■ 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 (EN 1.0038 Equiv.)	+0.1 0	300 {30.6}	180 {18.3}	○
Aluminum (EN AW-5052 Equiv.)	+0.1 0	400 {40.8}	170 {17.3}	○
Resin (MC Nylon)	+0.1 0	300 {30.6}	150 {15.3}	○

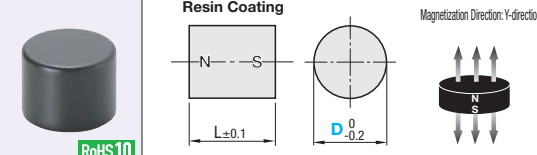
• Mating and Unmating Force are reference values.



Part Number	Type	D	L	d	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
HXUR	5	5	3		2.35 {0.24}	3500~3700	
	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	

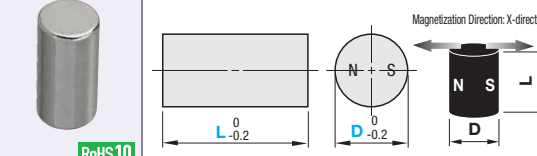
• Attraction Force and Surface Flux Density are reference values for magnets alone.
• N pole is colored red.
• The top and bottom surfaces are not coated with urethane.

■ Epoxy Resin Coating



RoHS 10

■ Magnetization Direction



RoHS 10

Ordering Example
Part Number - L
HXNJ3 - 10
RHXN5 - 10

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
HXNJ	3	5		2.3 {0.24}	4000~4200	
	4			4.4 {0.45}	4200~4400	
	5			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	

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

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price
RHXN	5			4.9 {0.5}	4300~4500	
	10			11.8 {1.2}	4300~4500	
	15			12.7 {1.3}	4300~4500	
	15			23.5 {2.4}	5600~5800	
	20			35.3 {3.6}	5600~5800	

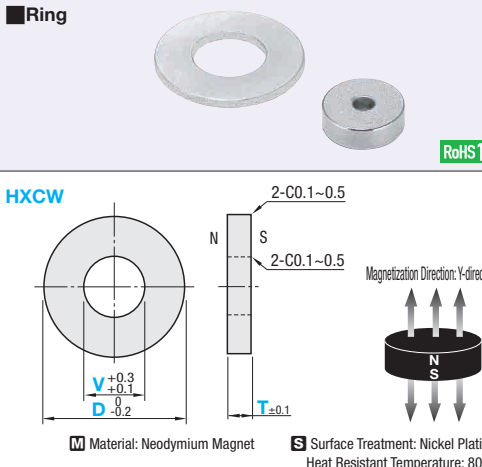
• Attraction Force and Surface Flux Density are reference values for magnets alone. • N pole is colored red.

Magnet

Ring / Square

• Powerful magnets. May crack when pulled and struck by other magnetic substances. Please handle with care in unpacking.

■ Ring



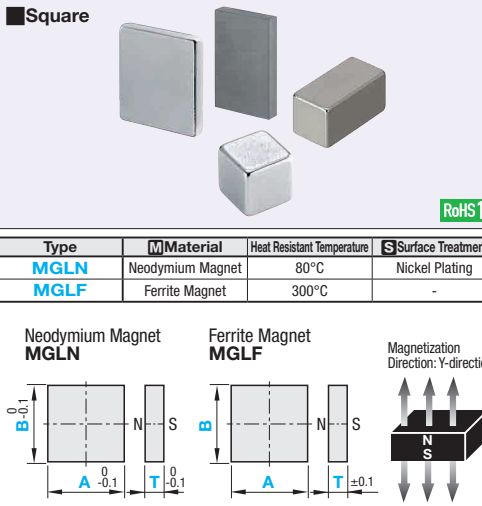
RoHS 10

Ordering Example
Part Number - V - T
HXCW25 - 6 - 1

Part Number			V Selection	T	Attraction Force N (kgf)	Surface Magnetic Flux Density Gauss [G]	Unit Price		
Type	D								
HXCW	6	2		2	6.2 [0.6]	2600~2800			
				3	8.0 [0.8]	3200~3400			
	8	3	4	1	4.9 [0.5]	1600~1800			
				2	7.8 [0.8]	2600~2800			
				3	9.8 [1.0]	3200~3400			
				5	14.3 [1.5]	3200~3800			
	10	3	4	5	6.9 [0.7]	1700~1900			
				2	10.8 [1.1]	2600~2800			
				3	11.8 [1.2]	3200~3400			
				4	5	18.8 [1.9]	3600~3800		
	12	4	5	6	7.8 [0.8]	1500~1700			
				2	13.7 [1.4]	2500~2700			
				3	15.7 [1.6]	2900~3100			
				5	23.3 [2.4]	3600~3800			
	14		6	8	8.8 [0.9]	1600~1800			
				2	19.6 [2.0]	2600~2800			
				3	23.5 [2.4]	2900~3100			
				5	36.0 [3.7]	3600~3800			
	18		6	8	12	3	48.6 [5.0]	2900~3100	
	20		6	8	10	12	1	10.8 [1.1]	1300~1500
2							21.6 [2.2]	2200~2400	
3							33.3 [3.4]	2600~2800	
5							62.3 [6.3]	3600~3800	
25		6	8	10	12	1	12.7 [1.3]	1300~1500	
						2	34.3 [3.5]	2100~2300	
						3	58.8 [6.0]	2600~2800	
						5	73.8 [7.5]	3400~3600	
30			12	5	98.5 [10.0]	3000~3200			

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

■ Square



RoHS 10

Part Number - B - T
MGLN10 - 5 - 1
Part Number - A - B
MGLF5 - 10 - 5

Part Number		B	T	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Unit Price	
Type	A						
MGLN (Neodymium Magnet)	3	3	5	2.8 [0.29]	4100~4300		
	4	4	5	5.6 [0.57]	4300~4500		
	5	5	5	8.9 [0.91]	4400~4600		
	6	6	6	13.7 [1.4]	4500~4700		
	8	8	6	23.2 [2.37]	4400~4600		
	10		1	2.7 [0.28]	1700~1900		
			2	8.5 [0.87]	3000~3200		
			5	16.8 [1.71]	4200~4400		
			1	6.5 [0.66]	1800~2000		
			2	11.8 [1.2]	2500~2700		
	15		8	39.3 [4.01]	4500~4700		
			3	13.9 [1.42]	3100~3300		
			5	23.7 [2.42]	4100~4300		
			10	31.4 [3.2]	4700~4900		
			3	23.9 [2.44]	2900~3100		
	20		5	34.3 [3.5]	3300~3700		
			10	61.4 [6.27]	4600~4800		
			5	10	40.8 [4.16]	4600~4800	
			5	47.7 [4.87]	3500~3700		
			10	77.8 [7.94]	4700~4900		
30		15	5	69.7 [7.11]	3300~3700		
		20	5	84.8 [8.65]	3100~3300		
		30	5	110.8 [11.31]	3300~3700		

• Attraction Force and Surface Flux Density are reference values for magnets alone.
• N pole of MGLN is colored red.

Part Number	Type	T	A	B	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	A Tolerance	B Tolerance	Unit Price
MGLF (Ferrite Magnet)	5	10	5		1.6 {0.16}	900~1100	±0.1	±0.1	
		20	10		4.9 {0.50}		±0.1	±0.1	
		30	20		9.8 {1.00}	1000~1200	±0.15	±0.15	
		50	20		12.7 {1.30}		±1.2	±0.4	
	10	30	30		21.6 {2.20}		±0.15	±0.15	
		30	60		29.4 {3.00}	1100~1400	±0.6	±1.2	
		20			17.7 {1.80}		±0.8	±0.4	
		40			31.4 {3.20}		±0.8	±0.8	

• Attraction Force and Surface Flux Density are reference values for magnets alone.