

# Magnets with Holders

**Threaded**

Part Number	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature
HXB	EN 1.0718 Equiv.	Electroless Nickel Plating	Neodymium Magnet	Nickel Plating	80°C

Slotted Type

Hex Socket Head Type

RoHS 10

Part Number	Type	L	d1	B	MxP (Coarse)	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	Slotted	Hex Socket	Unit Price
HXB	6	8	4		M6x1.0	3.9 {0.4}	1700~2200	1.5	-	
	15	8	4		M6x1.0	3.9 {0.4}	1700~2200	-	3.0	3.0
	8	15	5	5	M8x1.25	7.8 {0.8}	2900~3400	1.5	-	
	15	8	5	5	M8x1.25	7.8 {0.8}	2900~3400	-	4.0	3.0
	10	8	6		M10x1.5	16.7 {1.7}	2700~3200	2.0	-	
	15	12	6		M10x1.5	16.7 {1.7}	2700~3200	-	5.0	3.0
HXB	12	20	7		M12x1.75	32.3 {3.3}	2500~3000	2.5	-	
	20	12	7		M12x1.75	32.3 {3.3}	2500~3000	-	6.0	3.0
	16	20	10	8	M16x2	60.8 {6.2}	2700~3200	-	8.0	3.0
	20	16	10	8	M16x2	60.8 {6.2}	2700~3200	-	8.0	3.0
	20	16	13		M20x2.5	123.5 {12.6}	2900~3400	-	10.0	4.0
	25	20	13		M20x2.5	123.5 {12.6}	2900~3400	-	10.0	4.0

Attraction force and surface magnetic flux density are for reference only.

**Super Thin Type**

Part Number	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature
HXD	EN 1.4005 Equiv.	-	Neodymium Magnet	Nickel Plating	80°C

RoHS 10

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	d1	d2	B	H	Unit Price
HXD	6		3	3.9 {0.4}	2700~3000	4	5			
	8		3	6.9 {0.7}	2700~3000	5	6	1.5	1.0	
	10		3	19.6 {2.0}	2700~3000	7	8			
	13		4	44.1 {4.5}	3000~3400	9.5	11	2.0	1.5	

Attraction force and surface magnetic flux density are for reference only.

**Example**

Best suited for use in limited spaces. (Fixing with adhesives recommended.)

**Magnets with Holders - Tolerance h7 Type -**

Part Number	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature
HXG	EN 1.0718 Equiv.	Electroless Nickel Plating	Neodymium Magnet	Nickel Plating	
HXGS	Brass (EN CW614N Equiv.)				80°C

HXG

HXGS

RoHS 10

Part Number	Type	D	Dh7	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	d1	d2	B	H	W	Unit Price
HXG	6	0	-0.012	6	2.9 {0.3}	680~750	4	5				
	8	0	-0.015	6	8.8 {0.9}	750~820	5	6	3	5	2	
	10	0	-0.015	6	9.8 {1.0}	1000~1500	8	9				
	13	0	-0.018	8	44.1 {4.5}	1000~1500	10	11				
	16	0	-0.018	8	68.6 {7.0}	1200~1800	12	13	4	6		
HXGS	6	0	-0.012	5	2.9 {0.3}	2500~3000	4	5				
	8	0	-0.015	5	9.8 {1.0}	3000~3400	5	6	3	-	-	
	10	0	-0.015	5	15.6 {1.6}	3500~4000	8	9				
	13	0	-0.018	6	58.8 {6.0}	3500~4000	10	11				
	16	0	-0.018	6	88.2 {9.0}	3600~4100	12	13				

Attraction force and surface magnetic flux density are for reference only.

**Ordering Example**

Part Number - L

HXB10 - 8

**For Adjustment Screws**

Part Number	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature
HXAJ	EN 1.0718 Equiv.	Electroless Nickel Plating	Neodymium Magnet	Nickel Plating	80°C

RoHS 10

Part Number	Type	D	L	MxP	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	d1	d2	B	H	T	S	V	Unit Price
HXAJ	8	6	3x0.5	5.9 {0.6}	2000~2200	6.0	6.5	1.5	0.7	2.5	6.0	3.5		
	10	6	4x0.7	17.6 {1.8}	2000~2400	8.0	8.5	2.0	1.0	3.0	8.0	4.5		
	13	8		29.4 {3}	2200~2600	10.0	10.5				10.0	5.0		
	16	8		5x0.8	78.4 {8}	3000~3300	13.0	13.5				13.0	6.0	

Attraction force and surface magnetic flux density are for reference only.

**Example**

Magnets will not be pushed out by screw. Magnet attraction can be released.

**V-Grooved Through Hole Type**

Part Number	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature
HXY	EN 1.0718 Equiv.	Electroless Nickel Plating	Neodymium Magnet	Nickel Plating	80°C

RoHS 10

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	d	d1	A	B	H	Unit Price
HXY	10	6	8	8.8 {0.9}	1000~1500	8	4		2		
	13	8	8	18.6 {1.9}	1800~2600	11	6	3	2.5	1.5	
	16	8	8	39.2 {4.0}	2100~3100	14	8				
	20	10	8	78.4 {8.0}	2100~3100	18	10	4		2.0	

Attraction force and surface magnetic flux density are for reference only.

**Example**

Attracted workpiece can be pushed and separated.

**V-Grooved Type**

Part Number	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature
HYM	EN 1.0718 Equiv.	Electroless Nickel Plating	Neodymium Magnet	Nickel Plating	80°C

RoHS 10

Part Number	Type	D	L	Attraction Force N {kgf}	Surface Magnetic Flux Density Gauss [G]	d	A	B	H	d1	Unit Price
HYM	8	6	3	3.9 {0.4}	3200~3500	4.0		2		2	
	10	6	3	9.8 {1.0}	3200~3500	6.0	3	1.5	1.5	2	
	13	8	3	14.7 {1.5}	3200~3500	7.0				2	
	16	8	3	29.4 {3.0}	3300~3700	9.5	4	2	2.0	3	
	20	10	3	49.0 {5.0}	3400~3700	12.5		2		3	
	25	13	3	98.0 {10.0}	3400~3800	16.5	5	3	2.5	3	

Attraction force and surface magnetic flux density are for reference only.

**Example**

Can be fixed from the side.

**Ordering Example**

Part Number HXY10