

Magnet

Countersunk

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

Countersunk

RoHS

Type		Material	Heat Resistant Temperature	Surface Treatment
Round	Square			
NHXCC	NHXCS	Neodymium Magnet	80°C	Nickel Plating
NHXCCCH	NHXCSH	Heat-resistant Neodymium Magnets	150°C	

(Round Type)

(Square Type)

Magnetization Direction: Y-direction

A Accessory: Flat Head Screw 1 pc. (EN 1.4301 Equiv.)

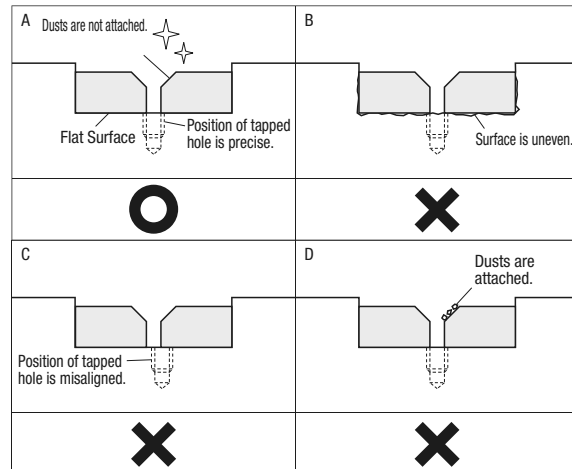
Part Number	Type	A	T	d1	d2	Accessory:	Attraction Force N [kgf]				Surface Magnetic Flux Density Gauss [G]				Unit Price				
							NHXCC	NHXCS	NHXCCCH	NHXCSH	NHXCC	NHXCS	NHXCCCH	NHXCSH	NHXCC	NHXCCCH	NHXCS	NHXCSH	
(Round Type) NHXCC NHXCCCH	8	2	3	5.5	3.0	M2.5-6	7.8 {0.8}	10.8 {1.1}	2000~2500	3000~3400									
							10.8 {1.1}	16.6 {1.7}	2400~2800	3200~3600									
	10	3	6.5	3.5	M3-8	14.7 {1.5}	22.5 {2.3}	3500~4000	3000~3300										
						18.6 {1.9}	24.5 {2.5}	4000~4200	3800~4000										
12	4	6.5	3.5	M3-8	18.6 {1.9}	-	3600~4000	-											
					23.5 {2.4}	27.4 {2.8}	4100~4300	3900~4100											
(Square Type) NHXCS NHXCSH	15	3	5	9	4.8	M4-10	23.5 {2.4}	-	3800~4200	-									
							41.1 {4.2}	54.8 {5.6}	4200~4500	4000~4300									
	20	4	5.5	11	5.8	M5-12	49 {5.0}	-	3800~4100	-									
							54.8 {5.6}	78.4 {8.0}	4200~4400	4000~4200									
25	4	6	13	7.0	M6-15	58.8 {6.0}	-	3700~4100	-										
						78.4 {8.0}	98.0 {10.0}	4100~4400	3900~4300										

Ordering Example: Part Number NHXCC8 - T 3

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

Installation Precautions

- Place a magnet on flat surface. (Illustration B)
- Please make sure that there is no misalignment between magnet holes and tapped holes. (Illustration C)
- Please make sure that there is no dust before installing flat head screws. (Illustration D)



Tightening Torque (Reference Value)

A Dimension of Magnet	Included Flat Head Screw	N · m
8	M2.5-6	0.2
10	M3-8	0.6
12	M3-8	0.6
15	M4-10	1.4
20	M5-12	2.9
25	M6-15	5.0

⚠ Tightening beyond the specified torques may cause magnet breakage.
 ⚠ We revised the safety factor and modified the reference value from the 2014 Catalog.

Magnet

Countersunk with Holder / Oval Holder

⚠ The holders are used in a combination to protect the magnet.

Countersunk with Holder

RoHS

Type	Type			Material		Heat Resistant Temperature	Polarity	
	Round	Square	Rectangle	Material	Surface Treatment		Front	Back
HXCC HXCC-S HXCCCH	HXCS	HXCR		EN 1.0038 Equiv.	Nickel Plating	80°C	N	S
					Neodymium Magnet		Nickel Plating	S
						Heat-resistant Neodymium Magnets	N	S

HXCC
HXCC-S
HXCCCH
(Round Type)

HXCS
(Square Type)

HXCR
(Rectangle Type)

⚠ Handle with care since these materials are very brittle. For Tightening Torque (Value for Reference), refer to P.291.

Part Number	Type	A	T	d1	H	d2	d3	t	B	P	Accessory (Stainless Steel Flat Head Screw)			Attraction Force N[kgf]			Surface Magnetic Flux Density Gauss [G]	Unit Price				
											HXCC-HXCC-SHXCCCH-HXCS	HXCR	HXCCHXC-SHXCCCH	HXCS	HXCR	HXCC		HXCC-S	HXCCCH	HXCS	HXCR	
8	(Round Type) HXCC	4	6.4	3.2	5.5	3	0.6	15	8	M2.5-8x1 pc.	M2.5-8x2 pcs.	3.9 {0.4}	7.8 {0.8}	17.6 {1.8}	1200~3900							
10	(Round Type) HXCC-S	5	8	4	6.5	3.5	0.8	20	10	M3-10x1 pc.	M3-10x2 pcs.	5.8 {0.6}	19.6 {2.0}	39.2 {4.0}	1500~4000							
12	(Round Type) HXCCCH	6	9.6	4.8	6.5	3.5	1.0	25	12	M3-10x1 pc.	M3-10x2 pcs.	15.7 {1.6}	29.4 {3.0}	68.6 {7.0}	3200~4000							
15	(Square Type) HXCS	6	12.6	4.8	9	4.8	1.0	30	15	M4-12x1 pc.	M4-12x2 pcs.	24.5 {2.5}	49.0 {5.0}	98.1 {10.0}	3800~4000							
20	(Rectangle Type) HXCR	7	17.2	5.6	11	5.8	1.2	40	20	M5-15x1 pc.	M5-15x2 pcs.	58.8 {6.0}	127.5 {13.0}	230.5 {23.5}	3800~4000							
25		8	21.2	6.2	13	7.0	1.6	50	30	M6-16x1 pc.	M6-16x2 pcs.	152.0 {15.5}	181.4 {18.5}	294.2 {30.0}	3700~4000							

Ordering Example: Part Number HXCC10

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

Oval Holder

RoHS

Type	Type			Material		Heat Resistant Temperature
	Counterbored	Tapped	Countersunk	Material	Surface Treatment	
HXUKZ HXUKM HXUKMN	HXUKM			Sintered Iron	Electroless Nickel Plating	80°C
				Brass		
				EN 1.0038 Equiv.	Nickel Plating	Neodymium Magnet

(Counterbored)

(Tapped)

(Countersunk)

Part Number	Type	B	A	P	T	R	E	d1	d3	d4	Accessory (Stainless Steel Flat Head Screw)				Attraction Force N [kgf]		Surface Magnetic Flux Density Gauss [G]		Unit Price			
											g	d	h	M (Coarse)	HXUKZ, HXUKM	HXUKZN, HXUKMN	d1	d2	HXUKZ, HXUKM	HXUKZN, HXUKMN	HXUKZ, HXUKM	HXUKZN, HXUKMN
(Counterbored) HXUKZ HXUKZN	10	27	17	7	5	8	4.5	4.5	M4	8.8 {0.9}	13.7 {1.4}	7	8	2700~2900	3600~3900							
																19.6 {2.0}	30.4 {3.1}	9.5	11	2800~3100		
(Tapped) HXUKM HXUKMN	16	41	25	9	8	9.5	5.5	5.5	M5	38.2 {3.9}	63.7 {6.5}	12.5	14	2900~3300	3800~4200							
																60.8 {6.2}	114.7 {11.7}	16.5	18	2900~3400	4000~4400	

Part Number	Type	B	A	P	T	R	E	d1	d3	d4	Accessory (Stainless Steel Flat Head Screw)	Attraction Force N [kgf]	Surface Magnetic Flux Density Gauss [G]	Unit Price	
														HXUKZ	HXUKM
(Countersunk) HXUKSN	10	30	25	15	3	5	1.5	7	3.5	6.5	M3-6x2 pcs.	13.7 {1.4}	2700~2900		
														29.4 {3.0}	2800~3100

Ordering Example: Part Number HXUKZ10

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