


Hex Head Bolts with Magnets


Screw Stoppers with Magnet / Magnet Blocks with Three-Side Attraction

ON / OFF Switchable-


Standard Type RoHS 10




Cap Type



Hardened Type



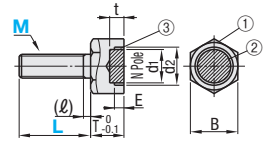
Low Head / Low Small Head
Low Head / Low Small Head Hex Socket



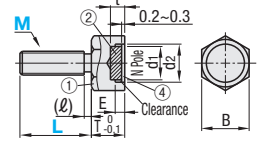
Type							①		②		③		④		Heat Resistant Temperature
Standard	Cap	Hardened	Low Head Hex Socket	Low Small Head	Low Small Head Hex Socket	Material	Surface Treatment	Material	Surface Treatment	Material	Material	Material	Material	Material	
HXUB	-	-	-	-	-	EN 1.0718 Equiv.	Electroless Nickel Plating	Samarium-Cobalt Magnet	-	-	-	-	-	-	80°C
HXUBN	HXUBNK	-	HXSUBN	RHSUBN	KHUBN	RKHUBN	EN 1.0718 Equiv.	Electroless Nickel Plating	Neodymium Magnet	-	-	-	-	80°C	
HXUBNH	-	-	-	-	-	-	-	Neodymium Magnet	Nickel Plating	Brass (EN CW614N Equiv.)	EN 1.4016 Equiv.	-	-	150°C	
-	-	HXBY	-	-	-	EN 1.1191 Equiv.	-	Neodymium Magnet	-	-	-	-	-	80°C	

* Brass is not included in Cap, Low Head and Low Small Head Type. Included in Standard and Hardened Type.

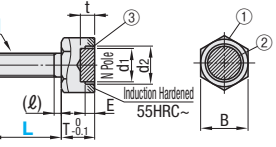
Standard Type
HXUB HXUBN HXUBNH



Cap Type
HXUBNK

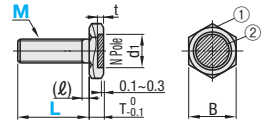


Hardened Type
HXBY

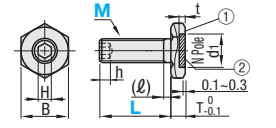


① Hardening provided on the head portion increases abrasion resistance.

Low Head / Low Small Head
HXSUBN KHUBN



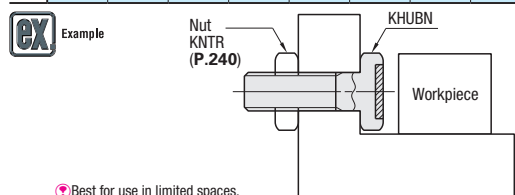
Low Head Hex Socket / Low Small Head Hex Socket
RHSUBN RKHUBN



Part Number	M (Coarse)	L (Selection)	B	T	(L)	d1	d2	t	E	H	h	Attraction Force N [kgf]		Surface Magnetic Flux Density Gauss [G]		
												Samarium-Cobalt Magnet	Neodymium Magnet Heat-resisting Neodymium Magnet	Samarium-Cobalt Magnet	Neodymium Magnet Heat-resisting Neodymium Magnet	
HXUB HXUBN	3	10	7	5	1.2	4	5	2	2	-	-	-	2.9 (0.3)	3.9 (0.4)	2100~2600	2700~3000
	4	10 15	8	6	1.5	5	6	2	2	-	-	-	3.9 (0.4)	6.8 (0.7)	2500~2900	3000~3500
	5	10 15 20	10	7	2	7	8	3	-	-	-	-	10.8 (1.1)	16.7 (1.7)	2700~2900	3600~3900
	6	15 20 25	13	9	3	9.5	11	4	3	-	-	-	27.5 (2.8)	39.2 (4.0)	2800~3100	-
	8	15 20 25	17	9	3	12.5	14	4	3	-	-	-	47.1 (4.8)	83.4 (8.5)	2900~3300	3800~4200
	10	20 25	21	9	3	16.5	18	6	5	-	-	-	88.3 (9.0)	140.2 (14.3)	2900~3400	4000~4400
HXUBNH	4	10	8	6	1.5	5	6	2	2	-	-	-	6.8 (0.7)	-	3000~3500	-
	5	10	10	7	2	7	8	3	2	-	-	-	16.7 (1.7)	-	3600~3900	-
	6	20	13	7	2	9.5	11	4	3	-	-	-	39.2 (4.0)	-	3800~4200	-
	8	20	17	9	3	12.5	14	4	3	-	-	-	4.0 (0.4)	-	3000~3200	-
(Cap Type) HXUBNK	4	10	8	6	1.5	5	6	2	2	-	-	-	10.0 (1.0)	-	3100~3300	-
	5	10	10	7	2	7	8	3	2	-	-	-	23.5 (2.4)	-	3100~3300	-
	6	20	13	7	2	9.5	11	4	3	-	-	-	50.1 (5.1)	-	3500~3700	-
	8	20	17	9	3	12.5	14	4	3	-	-	-	6.8 (0.7)	-	3000~3500	-
(Hardened Type) HXBY	4	10	8	6	1.5	5	6	2	2	-	-	-	16.7 (1.7)	-	3600~3900	-
	5	10 15	10	7	2	7	8	3	3	-	-	-	39.2 (4.0)	-	3800~4200	-
	6	15 20	13	7	2	9.5	11	4	3	-	-	-	83.4 (8.5)	-	-	-
	8	20	17	9	3	12.5	14	4	3	-	-	-	32.1 (3.3)	-	1700~1900	-
(Low Head Type) HXSUBN (Low Head Hex Socket) RHSUBN	4	10	14	3	1	10	1	2	2.2	-	-	-	49.0 (5.0)	-	2400~2600	-
	5	10 15 20	17	3	2	12.5	1	2.5	2.8	-	-	-	78.4 (8.0)	-	2600~2800	-
	6	15 20 25	19	3.5	2	14.5	1.5	3	3	-	-	-	117.7 (12.0)	-	2800~3100	-
	8	(15) (20) (25) (30)	21	4	3	16.5	1.5	4	4	-	-	-	176.5 (18.0)	-	-	-
(Low Small Head) KHUBN (Low Small Head Hex Socket) RKHUBN	4	10	8	3	1	5	1	2	2.2	-	-	-	3.6 (0.4)	-	2000~2200	-
	5	10 15	10	3	1.5	7	1.5	2.5	2.8	-	-	-	10.2 (1.1)	-	2500~2700	-
	6	15 20	13	3.5	2	9.5	1.5	3	3	-	-	-	25.6 (2.6)	-	2300~2500	-

① Sizes in () are not applicable for RHSUBN. ② Attraction force and surface magnetic flux density are for reference only.

M	Unit Price						
	Standard	Cap	Hardened	Low Head	Low Head Hex Socket	Low Small Head	Low Small Head Hex Socket
3							
4							
5							
6							
8							
10							



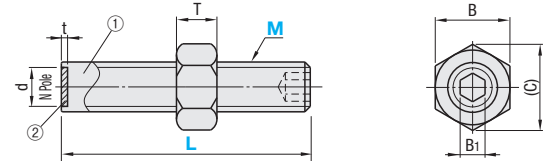
Part Number - L
HXUB5 - 15

Alterations Part Number - L - (NC)
HXUB5 - 15 - NC

Alteration	Code	Spec.
Relief	NC	Adds a relief to under head portion. ① Applicable for only Standard Type HXUB, HXUBN and HXUBNH. Ordering Code] NC

Screw Stoppers with Magnet RoHS 10

Type	①	②	Nut	Heat Resistant Temperature
Standard Type	Material: EN 1.7220 Equiv. Surface Treatment: Back Electroless Nickel Plating	Material: Neodymium Magnet Surface Treatment: Nickel Plating	Material: EN 1.0038 Equiv.	80°C
Strong Type	Material: EN 1.7220 Equiv. Surface Treatment: Electroless Nickel Plating	Material: Neodymium Magnet Surface Treatment: Nickel Plating	Material: EN 1.0038 Equiv.	80°C



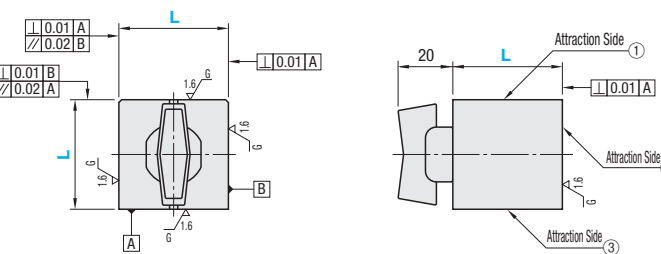
Part Number	Type	M	L	Attraction Force N (kgf)		Surface Magnetic Flux Density Gauss [G]		B	B1	(C)	T	t	d	Unit Price		
				Standard Type	Strong Type	Standard Type	Strong Type							HXBB	HXBN	PHXBN
PHXBN	4	15	-	0.5 (0.05)	-	1800~2100	7	2	8.1	3.2	-	3	2	-	-	-
	5	15	-	1 (0.1)	-	2700~3000	8	2.5	9.2	4	-	4	2.5	-	-	-
Standard Type HXBB HXBN	6	*15	*20 30 40	1.4 (0.15)	2 (0.2)	2800~2900	2700~3000	10	3	11.5	5	2	6	3	-	-
	8	*15	*20 30 40 50	4.9 (0.5)	6.9 (0.7)	3000~3300	3000~3300	13	4	15	6.5	2	6	5	-	-
	10		30 40 50 60	7.8 (0.8)	-	3000~3300	-	17	5	19.6	8	2	-	6	-	-
	12		30 40 50 60	10.7 (1.1)	-	2600~2900	-	19	6	21.9	10	1.5	-	7	-	-
Strong Type PHXBN	16		40 50 60 80	24.5 (2.5)	-	3200~3400	-	24	8	27.7	13	2	-	9.5	-	-

① High Strength Type (PHXBN) is available with * marked sizes. ② Attraction force and surface magnetic flux density are for reference only.

Ordering Example Part Number - L
HXBB6 - 30

Magnet Blocks with Three-Side Attraction - ON / OFF Switchable RoHS 10

Component	Material	Surface Treatment
Main Body	EN 1.0038 Equiv.	Electroless Nickel Plating
Magnet	Neodymium Magnet	-
Knob	EN 1.4301 Equiv.	-



There is a Brass Separator located in the center.

Part Number	Type	L	Attraction Force ①③ N (kgf)	Attraction Force ② N (kgf)	Mass (g)	Unit Price			Volume Discount Rate		
						1 pc.	2~3	4~10			
HXBK		40	235 {24}	78 {8}	528						
		60	490 {50}	147 {15}	1683						

① Attraction force is for reference only. When multiple sides of magnetic material are attracted at same time, Attraction Force may decrease. ② For orders larger than indicated quantity, please check with WOS.

- Features**
- Attraction surface ①~③ can be turned ON and OFF by turning the knob.
 - Knob is made of sturdy stainless steel.
 - Enhances the assembly and machining efficiency.

Ordering Example Part Number
HXBK40