

Magnets

Countersunk

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

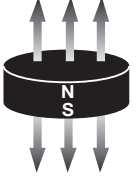
Countersunk

RoHS10

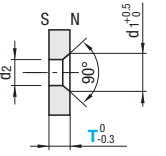


Type	Material	Heat Resistant Temperature	Surface Treatment
Round	Square		
NHXCC	NHXCS	Neodymium Magnet	80°C
NHXCC	NHXCSH	Heat-resistant Neodymium Magnets	150°C

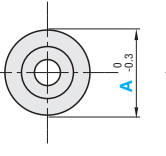
Magnetization Direction: Y-direction



(Round Type)



(Square Type)



Accessories: Flat Head Screw 1 pc. (304 Stainless Steel)

Part Number

Type

A

T

d1

d2

Accessories

Attraction Force N {kgf}

Surface Magnetic Flux Density Gauss[G]

Unit Price

(Round Type)

NHXCC

NHXCC

8

2

5.5

3.0

M2.5-6

7.8 {0.8}

10.8 {1.1}

2000~2500

3000~3400

(Round Type)

NHXCC

NHXCC

10

3

6.5

3.5

M3-8

14.7 {1.5}

22.5 {2.3}

3500~4000

3000~3300

(Round Type)

NHXCC

NHXCC

12

4

6.5

3.5

M3-8

18.6 {1.9}

24.5 {2.5}

4000~4200

3800~4000

(Round Type)

NHXCC

NHXCC

12

4.5

6.5

3.5

M3-8

18.6 {1.9}

24.5 {2.5}

3600~4000

-

(Square Type)

NHXCS

NHXCS

15

3

9

4.8

M4-10

23.5 {2.4}

27.4 {2.8}

4100~4300

3900~4100

(Square Type)

NHXCS

NHXCS

15

5

9

4.8

M4-10

23.5 {2.4}

-

3800~4200

-

(Square Type)

NHXCS

NHXCS

20

5.5

11

5.8

M5-12

49 {5.0}

-

3800~4100

-

(Square Type)

NHXCS

NHXCS

20

6

11

5.8

M5-12

54.8 {5.6}

78.4 {8.0}

4200~4400

4000~4200

(Square Type)

NHXCS

NHXCS

25

4

13

7.0

M6-15

58.8 {6.0}

-

3700~4100

-

(Square Type)

NHXCS

NHXCS

25

6

13

7.0

M6-15

78.4 {8.0}

98.0 {10.0}

4100~4400

3900~4300

Ordering Example

Part Number

T

3

Days to Ship

Configure Online

Price

Configure Online

About Installation

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)

A

Dusts are not attached

Flat Surface

Position of tapped hole is precise

B

Dusts are attached

Surface is uneven

C

Dusts are attached

Position of tapped hole is misaligned

D

Dusts are attached

Position of tapped hole is misaligned

Tightening Torque (Reference Value)

Magnets - Countersink		
Tightening Torque (Value for Reference)		
A Dimension of Magnet	Included Flat Head Screw	N·m
8	M2.5-6	0.8
10	M3-8	1.5
12	M3-8	1.5
15	M4-10	3.6
20	M5-12	7.6
25	M6-15	13.0

Tightening beyond the specified torques may cause magnet breakage.

Magnets

Countersunk with Holders

Combination use of magnets and holders helps to protect the magnets.

Countersink with Holder

RoHS10



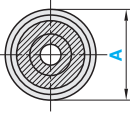
Type	Material	Surface Treatment	Material	Surface Treatment	Heat Resistant Temperature	Polarity		
Round	Square	Rectangle				Front	Back	
HXCC	HXCS	HXCR	1018 Carbon Steel	Nickel Plating	Neodymium Magnet	80°C	N	S
HXCC-S	-	-	-	-	Heat-resistant Neodymium Magnets	150°C	S	N
HXCCH	-	-	-	-	-	-	N	S

HXCC

HXCC-S

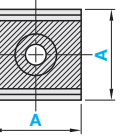
HXCCH

(Round Type)



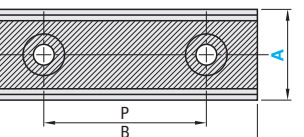
HXCS

(Square Type)



HXCR

(Rectangle Type)



Part Number

Type

A

T

d1

H

d2

d3

t

B

P

Accessories (Stainless Steel Flat Head Screw)

Attraction Force N {kgf}

Surface Magnetic Flux Density Gauss[G]

Unit Price

(Round Type)

HXCC

HXCC-S

HXCCH

8

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

(Round Type)

HXCC

HXCC-S

HXCCH

10

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

(Round Type)

HXCC

HXCC-S

HXCCH

12

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

(Square Type)

HXCS

HXCS

15

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

(Rectangle Type)

HXCR

HXCR

20

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

(Rectangle Type)

HXCR

HXCR

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

Days to Ship

Configure Online

Price

Configure Online

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

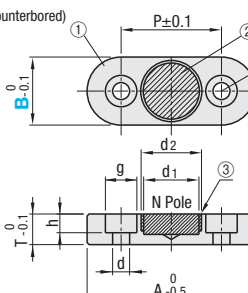
Oval Holder

RoHS10

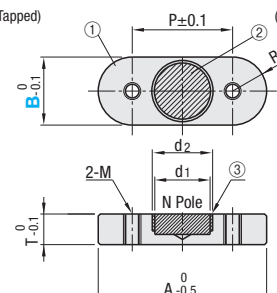


Type	Material	Surface Treatment	Material	Surface Treatment	Material	Heat Resistant Temperature
Counterbored	Tapped	Flat Head Screw				
HXUKZ	HXUKM	-	Sintered Iron	Electroless Nickel Plating	Samarium-Cobalt Magnet	80°C
HXUKZN	HXUKMN	-	-	-	Neodymium Magnet	150°C
-	-	HXUKSN	1018 Carbon Steel	-	-	-

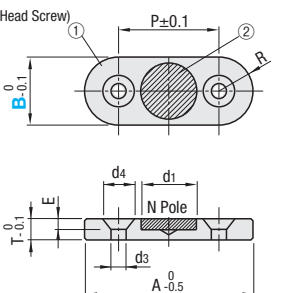
(Counterbored)



(Tapped)



(Flat Head Screw)



Part Number

Type

B

A

P

T

R

Counterbored

Tapped

Attraction Force N {kgf}

d1

d2

Surface Magnetic Flux Density Gauss[G]

Unit Price

(Counterbored)

HXUKZ

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

(Counterbored)

HXUKZ

13

33

20

7

6.5

8

4.5

4.5

M4

19.6 {2.0}

30.4 {3.1}

9.5

11

2800~3100

3800~4200

(Tapped)

HXUKM

16

41

25

8

9.5

5.5

5.5

M5

38.2 {3.9}

63.7 {6.5}

12.5

14

2900~3300

4000~4400

(Tapped)

HXUKM

20

50

30

9

10

10

10

M5

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

Accessories (Stainless Steel Flat Head Screw)

Attraction Force N {kgf}

Surface Magnetic Flux Density Gauss[G]

Unit Price

(Flat Head Screw)

HXUKSN

10

25

15

3

5

1.5

7

3.5

6.5

M3-6x2 pcs.

13.7 {1.4}

2700~2900

(Flat Head Screw)

HXUKSN

13

30

20

3

6.5

1.5

9.5

3.5

6.5

M3-6x2 pcs.

29.4 {3.0}

2800~3100

Ordering Example

Part Number

HXUKZ10

Days to Ship

Configure Online

Price

Configure Online

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