

MAGNETS

MLG, MGATA, and MGATB will be discontinued beginning from the next catalog.

RoHS

MG

① M SUM24L ③ M Brass (C3604BD)
② M Alnico magnet Heat resistance 80°C

L	M×P	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	d2	B	C	H	t	Catalog No. Type	Base unit price 1~19 pieces
15	5×0.8	5.9 [0.6]	1100 ~ 1300	6	8	7	0.5	5	2.5	MG	10 504
15	5×0.8	11.8 [1.2]		8	10.5						13 613
20	6×1.0	15.7 [1.6]	1200 ~ 1400	10	13	10	1.0	6	3.5		16 714
25	8×1.25	29.4 [3.0]	1200 ~ 1500	13	16	12					20 798
30	8×1.25	44.1 [4.5]	1300 ~ 1700	15.5	18	13	1.5	9	6.5		25 1,092
30	8×1.25	78.5 [8.0]	1400 ~ 1700	20	23.5	15					28 1,134

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to page at right (figure at bottom).
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The end face is finished by grinding.

RoHS

MGN (Strong, corrosion-resistant type)

① M SUM24L
② M Neodymium magnet Heat resistance 80°C

L	M×P	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	B	C	ℓ	Catalog No. Type	Base unit price 1~19 pieces
10	3×0.5	2.9 [0.3]	3000 ~ 3200	4.0	2.0	0.3	6	MGN	6 806
15	5×0.8	5.8 [0.6]	3500 ~ 3700	5.0					8 756
15	5×0.8	9.8 [1.0]	3400 ~ 3600	6.0					10 664
20	6×1.0	15.6 [1.6]	3200 ~ 3400	7.0					13 739
20	6×1.0	36.2 [3.7]	3500 ~ 3700	9.5	2.0	1.0	12		16 840
25	8×1.25	58.8 [6.0]	3100 ~ 3300	12.5			16		20 991

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to page at right (figure at bottom).
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The magnetic surface is recessed by 0.1 ~ 0.3 from the case.

RoHS

HX
HXH (For high-temperature use)

① M SUM24L
② M Cobalt magnet Heat resistance 80°C

L	M×P	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	d2	B	H	Catalog No. Type	Base unit price 1~19 pieces
6	3×0.5	2.9 [0.3]	2100 ~ 2600	4	5	2.0	1.5	HX Heat resistance: 80°C HXH Heat resistance: 200°C	6 840
6	3×0.5	3.9 [0.4]	2200 ~ 2600	5.5	6.5				8 756
8	4×0.7	9.8 [1.0]	2100 ~ 2300	7	8	1.5	1.1		10 672
8	4×0.7	29.4 [3.0]	2200 ~ 2400	9.5	11				13 764
10	5×0.8	49.0 [5.0]	2200 ~ 2500	12.5	14	2.0	1.6		16 840
10	5×0.8	88.3 [9.0]	2300 ~ 2600	16.5	18				20 1,092

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to the page at right (figure at bottom).
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The magnet and holder are fastened by an adhesive.
⚠ The magnetic surface is recessed by 0.1 ~ 0.3 from the case.

RoHS

HXU

① M SUM24L ③ M Brass (C3604BD)
② M Cobalt magnet Heat resistance 80°C

L	M×P	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	d2	B	H	Catalog No. Type	Base unit price 1~19 pieces
8	3×0.5	3.9 [0.4]	2100 ~ 2600	4	5	2	1.6	HXU	6 966
8	3×0.5	5.9 [0.6]	2400 ~ 2600	5	6				8 882
10	4×0.7	14.7 [1.5]	2700 ~ 2900	7	8	3	2.1		10 823
10	4×0.7	34.3 [3.5]	2800 ~ 3100	9.5	11				13 924
13	5×0.8	58.8 [6.0]	2900 ~ 3300	12.5	14	4	3.1		16 1,042
15	6×1.0	137.3 [14.0]	2900 ~ 3400	16.5	18	6	5.1		20 1,310

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to page at right (figure at bottom).
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The magnet and holder are fastened by an adhesive.
⚠ The magnetic surface is recessed by 0.1 ~ 0.3 from the case.

RoHS

HXMB

M Cobalt magnet Heat resistance 200°C

T	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	Catalog No. Type	Base unit price 1~19 pieces
2	1.0 [0.10]	2000 ~ 2100	HXMB (Heat resistance 200°C)	3 235
	1.5 [0.15]			4 244
	3.9 [0.40]			5 260
1.5	6.9 [0.70]	2200 ~ 2400	7	286

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to the page at right (figure at bottom).
⚠ Magnets are extremely brittle and easily broken. Always use sufficient care when handling them.
⚠ Because the magnets are easily damaged, fasten them so that they do not protrude from the holder.
⚠ Use adhesive to fasten the magnet in place.

RoHS

MLG (Long type)

① M SUM24L ③ M Brass (C3604BD)
② M Alnico magnet Temperature resistance 80°C

RoHS

MGATA (Press-fit type)

① M SUM24L ③ M Brass (C3604BD)
② M Alnico magnet Temperature resistance 80°C

RoHS

MGATB (Press-fit type)

① M SUM24L ③ M Brass (C3604BD)
② M Alnico magnet Heat resistance 80°C

L	M×P	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	d2	B	H	t	Catalog No. Type	Base unit price 1~9 pieces
25	6×1.0	15.7 [1.6]	1100 ~ 1300	10	13	10	6	3.5	MLG	16 882
30	8×1.25	29.4 [3.0]	1100 ~ 1400	13	16	12	9			20 974
35	8×1.25	78.5 [8.0]	1200 ~ 1500	20	23.5	15				28 1,327

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to the figure below.
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The end face is finished by grinding.

Dp6	L	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	d2	d3	B	H	t	Catalog No. Type	Base unit price 1~9 pieces
20	+0.035 -0.022	16 25.5 [2.6]	1400 ~ 1700	13	16	2	12	8	4.0	MGATA	20 840
25	+0.035 -0.022	19 47.1 [4.8]	1600 ~ 1900	15.5	18.5		13	10	5.0		25 1,235
30	+0.035 -0.022	20 68.6 [7.0]		19.5	23		15				30 1,302
35	+0.042 -0.026	26 98.1 [10.0]	1900 ~ 2100	24.5	28	3	18	13	6.5		35 2,285
40	+0.042 -0.026	27 142.2 [14.5]		29.5	33		20				40 3,116

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to the figure below.
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The end face is finished by grinding.

Dp6	L	* Adhesive force N(kgf)	Surface magnetic flux density Gauss (G)	d1	d2	d3	B	H	t	W	Catalog No. Type	Base unit price 1~9 pieces
20	+0.035 -0.022	18 26.5 [2.7]	900 ~ 1200	13	16	2	12	8	2.5	5	MGATB	20 924
25	+0.035 -0.022	20 49.0 [5.0]	1100 ~ 1400	15.5	18.5		13	10	3.0	6		25 1,344
30	+0.035 -0.022	26 73.5 [7.5]		20	23		15		3.5	7		30 1,436
35	+0.042 -0.026	28 103.0 [10.5]	1300 ~ 1600	25	28	3	18	13	4.0	8		35 2,512
40	+0.042 -0.026	30 147.1 [15.0]	1400 ~ 1600	30	33		20					40 3,419

Load (kgf) = Load N×0.101972 * Adhesive force: Refer to the figure below.
⚠ Because magnets are easily broken, do not use any alterations for them.
⚠ The end face is finished by grinding.

Example

After press-fitting, install as shown in the figure in order to prevent the magnet from falling off.

Hole machining (reference)

Quantity	1 ~ 9	10 ~ 19	20 ~ 49	50 ~ 100
Discount rate	Base unit price	5%	10%	15%

Loctite application

Set screw (Hexagon socket head cone point set screw or similar)

* "Adhesive force" indicates the ability to lift up SS400 material (plate thickness 10 mm, top surface polished).

Order

Dispatch

Catalog No.

MGATA 20

MGATB 20

9 Days

Price

Volume discount price P.37

Quantity	1 ~ 9	10 ~ 19	20 ~ 49	50 ~ 100
Discount rate	Base unit price	5%	10%	15%

For larger orders, ask about prices/delivery.

Order

Catalog No.

MG 13

HX 20

Dispatch

7 Days

Price

Volume discount price P.37

Quantity	1 ~ 19	20 ~ 49	50 ~ 199	200 ~ 400
Discount rate	Base unit price	5%	10%	15%

For larger orders, ask about prices/delivery.