11 Neodymium Magnets

High-tech magnets with best magnetic energy

– All purpose high performance material

– Choice of temperature range

– Ceramic structure, sturdy, not easy in handling

– Avoid immersion in water or hot steam

– Limited temperature resistance for fine magnets

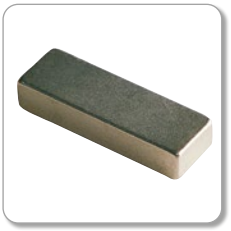
NdFeB

Disc magnets

Diameter

1.5 mm	*5 mm*
10 mm	*20 mm*

Barmagnets



Parallelepiped magnets

Length

2 mm	*10 mm*
16 mm	*30 mm*

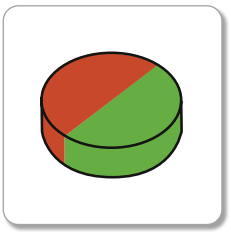
Cubes

Ring magnets

Bullet magnets

Ring magnets with sinking

Disc magnets self adhesiv



Diametrically magnetized magnets

Overview – All chapter

Your enquiry*

Your enquiry
Size / shape / material / magnetization / coating / working temperature / after drawing...

Technical informations

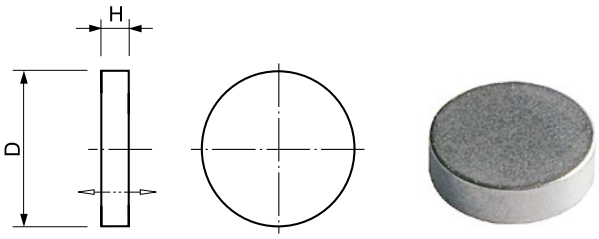
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
1.5	1.0	N45SH	M651016	150°	0.8	0.01	NiCuNi
1.5	1.0	N48	M661016	80°	0.9	0.01	NiCuNi
1.5	2.0	N45SH	M651017	150°	0.9	0.03	NiCuNi
1.5	2.0	N48	M661017	80°	1.0	0.03	NiCuNi
2.0	1.0	N45SH	M651021	150°	1.1	0.02	NiCuNi
2.0	1.0	N48	M661021	80°	1.2	0.02	NiCuNi
2.0	1.2	N35	M601.8	80°	1.0	0.03	Zn
2.0	2.0	N35	M637.8	80°	1.4	0.05	Zn
2.0	2.0	N45SH	M651022	150°	1.8	0.05	NiCuNi
2.0	2.0	N48	M661022	80°	1.9	0.05	NiCuNi
2.0	10.0	N35	M717.8	80°	1.7	0.23	Zn
3.0	1.0	N35	M664.8	80°	1.5	0.05	Zn
3.0	1.0	N45SH	M651031	150°	1.9	0.05	NiCu+Sn
3.0	1.0	N48	M661031	80°	2.1	0.05	NiCuNi
3.0	1.5	N35	M665.8	80°	2.2	0.08	Zn
3.0	2.0	N35	M638.8	80°	2.7	0.1	Zn
3.0	2.0	N45SH	M651032	150°	3.4	0.1	NiCu+Sn
3.0	2.0	N48	M661032	80°	3.8	0.1	NiCuNi
3.0	3.0	N35	M617.8	80°	3.4	0.16	Zn
3.0	3.0	N45	M651400	80°	4.3	0.16	NiCuNi
3.0	3.0	N45SH	M651033	150°	4.3	0.16	NiCu+Sn
3.0	3.0	N48	M661033	80°	4.7	0.16	NiCuNi
3.0	4.0	N35	M659.8	80°	3.7	0.21	Zn
3.0	6.0	N48	M661036	80°	6.4	0.3	NiCuNi
3.0	8.0	N48	M661038	80°	6.5	0.4	NiCuNi
3.0	10.0	N45SH	M651039	150°	4.1	0.52	NiCu+Sn
3.0	10.0	N48	M661310	80°	6.6	0.5	NiCuNi

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**
↑top

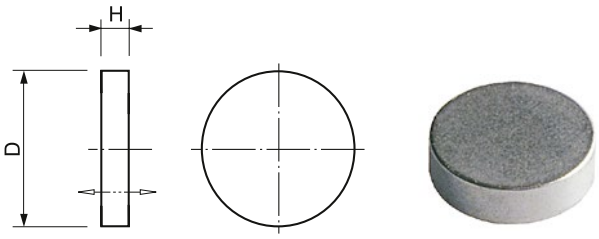
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material		Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
4.0	1.0	N45SH		**M651041**	150°	2.2	0.09	NiCu+Sn
4.0	1.0	N48		**M661041**	80°	2.4	0.09	NiCuNi
4.0	1.5	N35		**M622.8**	80°	3.0	0.14	Zn
4.0	2.0	N35		**M623.8**	80°	4.3	0.2	Zn
4.0	2.0	N45SH		**M651042**	150°	5.5	0.2	NiCu+Sn
4.0	2.0	N48		**M661042**	80°	6.0	0.2	NiCuNi
4.0	2.5	N35		**M624.8**	80°	5.2	0.2	Zn
4.0	3.0	N35		**M639.8**	80°	6.0	0.3	Zn
4.0	3.0	N45SH		**M651043**	150°	7.6	0.3	NiCu+Sn
4.0	3.0	N48		**M661043**	80°	8.3	0.3	NiCuNi
4.0	4.0	N45SH		**M651044**	150°	8.8	0.4	NiCu+Sn
4.0	4.0	N48		**M661044**	80°	9.6	0.4	NiCuNi
4.0	5.0	N35		**M640.8**	80°	7.4	0.5	Zn
4.0	7.0	N35		**M652.8**	80°	7.9	0.7	Zn
4.0	10.0	N35		**M728.8**	80°	8.3	0.9	Zn
4.0	10.0	N45	1)	**M651700**	60°	11.0	0.9	NiCuNi
4.0	12.5	N42		**M641412**	80°	10.2	1.2	NiCuNi
4.0	25.0	N42		**M641425**	80°	10.3	2.3	NiCuNi
4.5	2.0	N35		**M626.8**	80°	4.8	0.2	Zn

1) diametral magnetized

Overview – All chapter
✉ **Your enquiry**
Technical informations
↑top

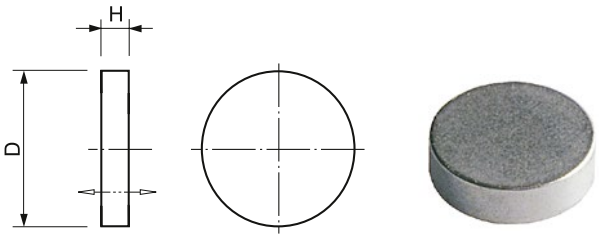
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
5.0	1.0	N45SH	M651051	150°	2.4	0.15	NiCu+Sn
5.0	1.0	N48	M661051	80°	2.6	0.15	NiCuNi
5.0	1.5	N35	M673.8	80°	3.5	0.2	Zn
5.0	2.0	N35	M674.8	80°	5.2	0.3	Zn
5.0	2.0	N45SH	M651052	150°	6.7	0.3	NiCu+Sn
5.0	2.0	N48	M661052	80°	7.3	0.3	NiCuNi
5.0	2.0	N52	M671052	80°	8.0	0.3	NiCuNi
5.0	2.5	N35	M675.8	80°	6.7	0.4	Zn
5.0	3.0	N35	M642.8	80°	7.9	0.4	Zn
5.0	3.0	N45SH	M651053	150°	10.1	0.4	NiCu+Sn
5.0	3.0	N48	M661053	80°	11.0	0.4	NiCuNi
5.0	4.0	N45SH	M651054	150°	12.3	0.6	NiCu+Sn
5.0	4.0	N48	M661054	80°	13.5	0.6	NiCuNi
5.0	5.0	N45	M651401	80°	13.7	0.7	NiCuNi
5.0	5.0	N45SH	M651055	150°	13.7	0.7	NiCu+Sn
5.0	5.0	N48	M661055	80°	15.0	0.7	NiCuNi
5.0	8.0	N45SH	M651058	150°	15.6	1.2	NiCu+Sn
5.0	8.0	N48	M661058	80°	17.0	1.2	NiCuNi
5.0	10.0	N35	M729.8	80°	12.7	1.5	Zn
5.0	12.5	N45	M651440	80°	16.5	1.8	NiCuNi
5.0	25.0	N45	M651441	80°	17.0	3.6	NiCuNi
5.5	2.5	N35	M641.8	80°	6.6	0.4	Zn
6.0	1.0	N45	M651402	80°	2.5	0.2	NiCuNi
6.0	1.0	N45SH	M651061	150°	2.5	0.2	NiCu+Sn
6.0	1.0	N48	M661061	80°	2.7	0.2	NiCuNi
6.0	2.0	N35	M613.8	80°	5.9	0.4	Zn
6.0	2.0	N45	M651403	80°	7.6	0.4	NiCuNi
6.0	2.0	N45SH	M651062	150°	7.6	0.4	NiCu+Sn
6.0	2.0	N48	M661062	80°	8.3	0.4	NiCuNi
6.0	3.0	N35	M672.8	80°	9.7	0.6	Zn
6.0	3.0	N45SH	M651063	150°	12.4	0.6	NiCu+Sn
6.0	3.0	N48	M661063	80°	13.5	0.6	NiCuNi

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top

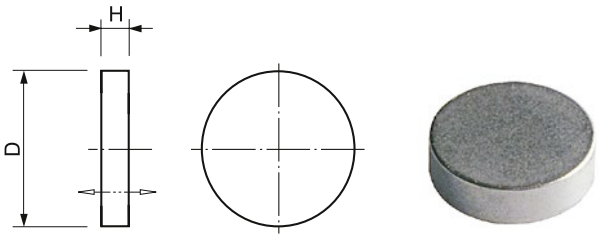
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
6.0	4.0	N35	**M656.8**	80°	12.4	0.8	Zn
6.0	4.0	N45SH	**M651064**	150°	15.8	0.8	NiCu+Sn
6.0	4.0	N48	**M661064**	80°	17.2	0.8	NiCuNi
6.0	5.0	N45SH	**M651065**	150°	18.2	1.0	NiCu+Sn
6.0	5.0	N48	**M661065**	80°	19.8	1.0	NiCuNi
6.0	6.0	N35	**M724.8**	80°	15.5	1.3	Zn
6.0	8.0	N48	**M661068**	80°	23.6	1.7	NiCuNi
6.0	10.0	N40	**M631610**	80°	20.3	2.1	NiCuNi
6.0	13.0	N48	**M661613**	80°	25.6	2.7	NiCuNi
6.35	25.4	N42	**M641625**	80°	25.8	6.0	NiCuNi
7.0	1.5	N35	**M663.8**	80°	4.1	0.4	Zn
7.0	2.5	N35	**M677.8**	80°	8.9	0.7	Zn
7.0	6.0	N35	**M645.8**	80°	19.6	1.7	Zn
8.0	1.0	N45SH	**M651081**	150°	2.6	0.4	NiCu+Sn
8.0	1.0	N48	**M661081**	80°	2.8	0.4	NiCuNi
8.0	2.0	N35	**M681.8**	80°	6.9	0.7	Zn
8.0	2.0	N45	**M651404**	80°	8.8	0.7	NiCuNi
8.0	2.0	N45SH	**M651082**	150°	8.8	0.7	NiCu+Sn
8.0	2.0	N48	**M661082**	80°	12.7	0.7	NiCuNi
8.0	3.0	N35	**M682.8**	80°	12.4	1.1	Zn
8.0	3.0	N45	**M651405**	80°	15.8	1.1	NiCuNi
8.0	3.0	N45SH	**M651083**	150°	15.8	1.1	NiCu+Sn
8.0	3.0	N48	**M661083**	80°	17.2	1.1	NiCuNi
8.0	4.0	N35	**M683.8**	80°	17.2	1.5	Zn
8.0	4.0	N45SH	**M651084**	150°	22.0	1.5	NiCu+Sn
8.0	4.0	N48	**M661084**	80°	24.0	1.5	NiCuNi
8.0	5.0	N35	**M643.8**	80°	21.0	1.9	Zn
8.0	5.0	N45	**M651406**	80°	26.8	1.9	NiCuNi
8.0	5.0	N45SH	**M651085**	150°	26.8	1.9	NiCu+Sn
8.0	5.0	N48	**M661085**	80°	29.2	1.9	NiCuNi
8.0	30.0	N48	**M661830**	80°	47.1	11.2	NiCuNi
9.0	3.0	N35	**M685.8**	80°	13.4	1.4	Zn
9.0	5.0	N35	**M644.8**	80°	24.1	2.4	Zn

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top

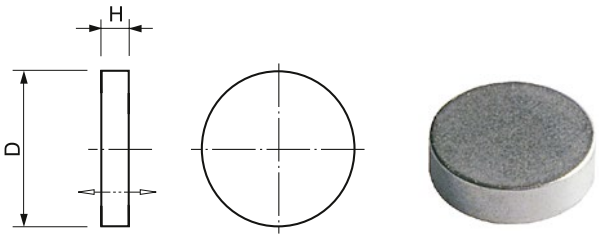
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
10.0	1.0	N35	M611101	80°	2.1	0.6	Zn
10.0	1.0	N45SH	M651101	150°	2.7	0.6	NiCu+Sn
10.0	1.0	N48	M661101	80°	2.9	0.6	NiCuNi
10.0	2.0	N35	M687.8	80°	7.4	1.2	Zn
10.0	2.0	N42	M641102	80°	9.0	1.2	NiCuNi
10.0	2.0	N45SH	M651102	150°	9.4	1.2	NiCu+Sn
10.0	2.0	N48	M661102	80°	10.3	1.2	NiCuNi
10.0	3.0	N35	M646.8	80°	14.2	1.7	Zn
10.0	3.0	N42	M641103	80°	17.2	1.7	NiCuNi
10.0	3.0	N45SH	M651103	150°	18.2	1.7	NiCu+Sn
10.0	3.0	N48	M661103	80°	19.8	1.7	NiCuNi
10.0	4.0	N35	M688.8	80°	20.9	2.3	Zn
10.0	4.0	N45SH	M651104	150°	26.7	2.3	NiCu+Sn
10.0	4.0	N48	M661104	80°	29.1	2.3	NiCuNi
10.0	5.0	N35	M647.8	80°	26.9	2.9	Zn
10.0	5.0	N42	M641105	80°	32.6	2.9	NiCuNi
10.0	5.0	N45SH	M651105	150°	34.4	2.9	NiCu+Sn
10.0	5.0	N48	M661105	80°	37.5	2.9	NiCuNi
10.0	10.0	N45	M651407	80°	54.9	5.8	NiCuNi
10.0	40.0	N40	M631140	80°	60.5	23.2	NiCuNi
12.0	1.0	N48	M661121	80°	2.9	0.8	NiCuNi
12.0	2.0	N35	M689.8	80°	7.7	1.7	Zn
12.0	2.0	N45SH	M651122	150°	9.9	1.7	NiCu+Sn
12.0	2.0	N48	M661122	80°	10.8	1.7	NiCuNi
12.0	3.0	N35	M690.8	80°	15.5	2.5	Zn
12.0	3.0	N45SH	M651123	150°	19.8	2.5	NiCu+Sn
12.0	3.0	N48	M661123	80°	21.6	2.5	NiCuNi
12.0	4.0	N45SH	M651124	150°	30.3	3.4	NiCu+Sn
12.0	4.0	N48	M661124	80°	33.1	3.4	NiCuNi
12.0	5.0	N35	M692.8	80°	31.8	4.2	Zn
12.0	5.0	N45SH	M651125	150°	40.6	4.2	NiCu+Sn
12.0	5.0	N48	M661125	80°	44.3	4.2	NiCuNi

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top

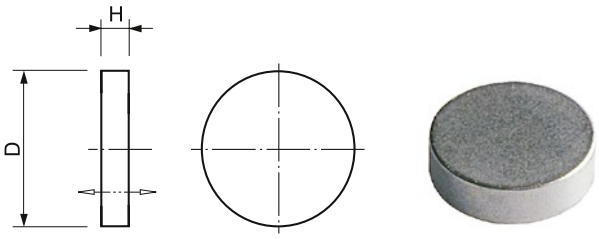
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
12.0	6.0	N42 1)	M641700	60°	19.0	5.0	NiCuNi
12.0	6.0	N45	M651408	80°	49.5	5.0	NiCuNi
12.0	6.0	N45SH	M651126	150°	49.5	5.0	NiCu+Sn
12.0	6.0	N48	M661126	80°	54.0	5.0	NiCuNi
12.0	60.0	N38	M621126	80°	82.9	50.2	NiCuNi
13.0	2.0	N35	M693.8	80°	7.9	2.0	Zn
13.0	3.0	N35	M694.8	80°	15.9	3.0	Zn
14.0	4.0	N35	M649.8	80°	25.9	4.6	Zn
14.0	5.0	N35	M699.8	80°	35.6	5.7	Zn
15.0	1.0	N48	M661151	80°	2.9	1.3	NiCuNi
15.0	2.0	N35	M700.8	80°	8.1	2.6	Zn
15.0	2.0	N45SH	M651152	150°	10.3	2.6	NiCu+Sn
15.0	2.0	N48	M661152	80°	11.2	2.6	NiCuNi
15.0	3.0	N35	M701.8	80°	16.6	3.9	Zn
15.0	3.0	N45	M651409	80°	21.3	3.9	NiCuNi
15.0	3.0	N45SH	M651153	150°	21.3	3.9	NiCu+Sn
15.0	3.0	N48	M661153	80°	23.2	3.9	NiCuNi
15.0	4.0	N35	M702.8	80°	26.7	5.2	Zn
15.0	4.0	N45SH	M651154	150°	34.1	5.2	NiCu+Sn
15.0	4.0	N48	M661154	80°	37.2	5.2	NiCuNi
15.0	5.0	N35	M648.8	80°	37.1	6.5	Zn
15.0	5.0	N35	M648.8N	80°	37.1	6.5	NiCuNi
15.0	5.0	N45SH	M651155	150°	47.4	6.5	NiCu+Sn
15.0	5.0	N48	M661155	80°	51.7	6.5	NiCuNi
15.0	8.0	N42	M641158	80°	78.0	10.5	NiCuNi
15.0	8.0	N45SH	M651158	150°	82.3	10.5	NiCu+Sn
15.0	8.0	N48	M661158	80°	89.7	10.5	NiCuNi
15.0	100.0	N35	M611151	80°	120.1	130.8	NiCuNi
16.0	4.0	N35	M704.8	80°	27.6	6.0	Zn
18.0	1.0	N48	M661181	80°	3.0	1.9	NiCuNi
18.0	4.0	N35	M707.8	80°	28.8	7.5	Zn

1) diametral magnetized

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top

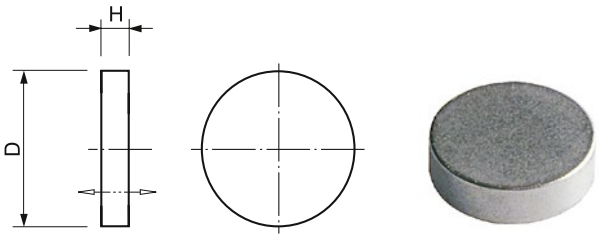
Disc magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / D = >1*
if H / D ~ 0,5, the temperature is reduced by 30%
if H / D ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	*Temperature max. C	**Lift N	Weight g	Coating
20.0	2.0	N45	**M651410**	80°	10.6	4.7	NiCuNi
20.0	2.0	N45SH	**M651202**	150°	10.6	4.7	NiCu+Sn
20.0	2.0	N48	**M661202**	80°	11.6	4.7	NiCuNi
20.0	3.0	N35	**M709.8**	80°	17.7	7.0	Zn
20.0	3.0	N45SH	**M651203**	150°	22.6	7.0	NiCu+Sn
20.0	3.0	N48	**M661203**	80°	24.7	7.0	NiCuNi
20.0	4.0	N35	**M710.8**	80°	29.6	9.3	Zn
20.0	4.0	N45SH	**M651204**	150°	37.8	9.3	NiCu+Sn
20.0	4.0	N48	**M661204**	80°	41.2	9.3	NiCuNi
20.0	5.0	N35	**M650.8**	80°	43.1	11.6	Zn
20.0	5.0	N42	**M641205**	80°	52.2	11.6	NiCuNi
20.0	5.0	N45SH	**M651205**	150°	55.1	11.6	NiCu+Sn
20.0	5.0	N48	**M661205**	80°	60.1	11.6	NiCuNi
20.0	10.0	N35	**M651.8**	80°	107.7	23.3	Zn
20.0	10.0	N42	**M641210**	80°	130.3	23.3	NiCuNi
20.0	10.0	N45SH	**M651210**	150°	137.5	23.3	NiCu+Sn
20.0	10.0	N48	**M661210**	80°	149.9	23.3	NiCuNi
22.0	10.0	N33H	**M654.8**	120°	109.8	28.1	Zn
25.0	3.0	N45SH	**M651253**	150°	23.5	10.9	NiCu+Sn
25.0	3.0	N48	**M661253**	80°	25.7	10.9	NiCuNi
25.0	4.0	N35	**M712.8**	80°	31.1	14.5	Zn
25.0	4.0	N45SH	**M651254**	150°	39.7	14.5	NiCu+Sn
25.0	4.0	N48	**M661254**	80°	43.3	14.5	NiCuNi
25.0	5.0	N35	**M713.8**	80°	46.2	18.2	Zn
25.0	5.0	N45SH	**M651255**	150°	59.0	18.2	NiCu+Sn
25.0	5.0	N48	**M661255**	80°	64.4	18.2	NiCuNi
25.0	7.0	N42	**M641257**	80°	97.2	25.4	NiCuNi
25.0	10.0	N38	**M657.8**	80°	141.5	34.4	Zn
30.0	5.0	N35	**M668.8**	80°	48.4	26.2	Zn
30.0	10.0	N45	**M651411**	80°	189.5	52.3	NiCuNi
30.0	15.0	N42	**M641301**	80°	293.2	78.5	NiCuNi

Overview – All chapter ***✉ Your enquiry*** ***Technical informations***

↑top

Barmagnets

Material: **NdFeB / Neodymium Iron Boron**

*calculated values (10 N = ~1kg)

Execution: magnetised on-axis

Dimensions ±0.1mm D	L	Material	Stock no. ✉	Temperatur max. C	*Lift N	Weight g	Coating
2.0	10.0	N35	**M717.8**	80°	1.7	0.23	Zn
3.0	6.0	N48	**M661036**	80°	6.4	0.3	NiCuNi
3.0	8.0	N48	**M661038**	80°	6.5	0.4	NiCuNi
3.0	10.0	N45SH	**M651039**	150°	4.1	0.52	NiCu+Sn
3.0	10.0	N48	**M661310**	80°	6.6	0.5	NiCuNi
4.0	5.0	N35	**M640.8**	80°	7.4	0.5	Zn
4.0	7.0	N35	**M652.8**	80°	7.9	0.7	Zn
4.0	10.0	N35	**M728.8**	80°	8.3	0.9	Zn
4.0	10.0	N45 1)	**M651700**	60°	11.0	0.9	NiCuNi
4.0	12.5	N42	**M641412**	80°	10.2	1.2	NiCuNi
4.0	25.0	N42	**M641425**	80°	10.3	2.3	NiCuNi
5.0	8.0	N45SH	**M651058**	150°	15.6	1.2	NiCu+Sn
5.0	8.0	N48	**M661058**	80°	17.0	1.2	NiCuNi
5.0	10.0	N35	**M729.8**	80°	12.7	1.5	Zn
5.0	12.5	N45	**M651440**	80°	16.5	1.8	NiCuNi
5.0	25.0	N45	**M651441**	80°	17.0	3.6	NiCuNi
6.0	8.0	N48	**M661068**	80°	23.6	1.7	NiCuNi
6.0	10.0	N40	**M631610**	80°	20.3	2.1	NiCuNi
6.0	13.0	N48	**M661613**	80°	25.6	2.7	NiCuNi
6.35	25.4	N42	**M641625**	80°	25.8	6.0	NiCuNi
8.0	30.0	N48	**M661830**	80°	47.1	11.2	NiCuNi
10.0	40.0	N40	**M631140**	80°	60.5	23.2	NiCuNi
12.0	60.0	N38	**M621126**	80°	82.9	50.2	NiCuNi
15.0	100.0	N35	**M611151**	80°	120.1	130.8	NiCuNi

1) diametral magnetized

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top

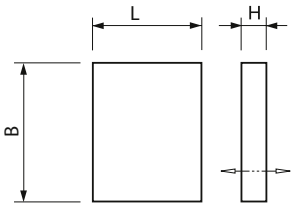
Parallelepiped magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / B = >1*
if H / B ~ 0,5, the temperature is reduced by 30%
if H / B ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised through thickness*



Dimensions ±0.1mm L	B	H	Material	Stock no. ✉	*Temperatur max. C	**Lift N	Weight g	Coating
2.0	2.0	1.0	N45SH	M652002	150°	1.6	0.03	NiCuNi
2.0	2.0	1.0	N48	M662002	80°	1.7	0.03	NiCuNi
3.0	3.0	1.0	N35	M600.8	80°	1.6	0.07	Zn
3.0	3.0	1.0	N45SH	M652004	150°	2.1	0.07	NiCu+Sn
3.0	3.0	1.0	N48	M662004	80°	2.3	0.07	NiCuNi
4.8	4.8	4.5	N35	M604.8	80°	11.6	0.8	Zn
5.0	1.5	1.0	N45	M652301	80°	2.6	0.06	NiCuNi
5.0	2.5	1.5	N44H	M642301	120°	4.2	0.14	NiCuNi
5.0	2.5	2.0	N44H	M642302	120°	5.7	0.19	NiCuNi
5.0	4.0	1.5	N45	M652300	80°	4.7	0.2	NiCuNi
5.0	4.0	1.0	N50	M672400	80°	2.9	0.15	NiCuNiAu
5.0	5.0	1.0	N44H	M642300	120°	2.4	0.19	NiCuNi
5.0	5.0	1.0	N48	M662400	80°	2.7	0.19	NiCuNiAu
5.0	5.0	1.2	N50	M672401	80°	4.0	0.2	NiCuNiAu
5.0	5.0	2.0	N35	M605.8	80°	5.8	0.4	Zn
5.0	5.0	2.0	N45	M652400	80°	7.4	0.4	NiCuNiAu
5.0	5.0	2.0	N45SH	M652008	150°	7.4	0.4	NiCu+Sn
5.0	5.0	2.0	N48	M662008	80°	8.1	0.4	NiCuNi
5.0	5.0	3.0	N45SH	M652010	150°	11.7	0.6	NiCu+Sn
5.0	5.0	3.0	N48	M662010	80°	12.8	0.6	NiCuNi
5.0	5.0	5.0	N42	M647005	80°	15.7	0.9	NiCuNi
6.0	3.0	2.0	N45SH	M652012	150°	7.0	0.3	NiCu+Sn
6.0	3.0	2.0	N48	M662012	80°	7.6	0.3	NiCuNi
6.0	4.0	2.0	N44H	M642303	120°	7.5	0.4	NiCuNi
6.0	4.0	2.0	N45SH	M652013	150°	7.6	0.4	NiCu+Sn
6.0	4.0	2.0	N48	M662013	80°	8.2	0.4	NiCuNi
7.0	6.0	1.2	N50	M672402	80°	4.3	0.4	NiCuNiAu
7.0	7.0	7.0	N42	M647007	80°	30.8	2.5	NiCuNi
8.0	4.0	3.0	N45	M652302	80°	14.0	0.7	NiCuNi
8.0	4.0	3.0	N45SH	M652014	150°	14.0	0.7	NiCu+Sn
8.0	4.0	3.0	N48	M662014	80°	15.3	0.7	NiCuNi
8.0	8.0	4.0	N45	M652303	80°	17.7	1.9	NiCuNi

Overview – All chapter ***✉ Your enquiry*** ***Technical informations***

↑top

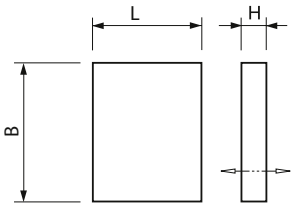
Parallelepiped magnets

Material: **NdFeB / Neodymium Iron Boron**

** **max. operating temperature if** H / B = >1*
if H / B ~ 0,5, the temperature is reduced by 30%
if H / B ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised through thickness*



Dimensions ±0.1mm L	B	H	Material	Stock no. ✉	*Temperatur max. C	**Lift N	Weight g	Coating
10.0	3.0	2.0	N44H	M642304	120°	10.0	0.4	NiCuNi
10.0	3.0	2.0	N45SH	M652015	150°	10.2	0.4	NiCu+Sn
10.0	3.0	2.0	N48	M662015	80°	11.1	0.4	NiCuNi
10.0	4.0	1.0	N50	M672403	80°	4.0	0.3	NiCuNiAu
10.0	4.0	1.2	N50	M672404	80°	5.5	0.4	NiCuNiAu
10.0	4.0	1.5	N50	M672405	80°	7.8	0.4	NiCuNiAu
10.0	4.0	2.0	N45SH	M652017	150°	10.3	0.6	NiCu+Sn
10.0	4.0	2.0	N48	M662017	80°	11.3	0.6	NiCuNi
10.0	4.0	2.0	N50	M672406	80°	11.6	0.6	NiCuNiAu
10.0	5.0	1.0	N50	M672407	80°	3.6	0.4	NiCuNiAu
10.0	5.0	1.2	N50	M672408	80°	5.0	0.5	NiCuNiAu
10.0	5.0	1.5	N50	M672409	80°	7.4	0.6	NiCuNiAu
10.0	5.0	2.0	N45SH	M652016	150°	10.2	0.7	NiCu+Sn
10.0	5.0	2.0	N48	M662016	80°	11.2	0.7	NiCuNi
10.0	5.0	2.0	N50	M672410	80°	11.5	0.7	NiCuNiAu
10.0	5.0	3.0	N45SH	M652018	150°	17.4	1.1	NiCu+Sn
10.0	5.0	3.0	N48	M662018	80°	19.0	1.1	NiCuNi
10.0	10.0	3.0	N35	M610.8	80°	15.3	2.2	Zn
10.0	10.0	5.0	N42	M642305	80°	36.1	3.7	NiCuNi
10.0	10.0	5.0	N45SH	M652020	150°	38.8	3.7	NiCu+Sn
10.0	10.0	5.0	N48	M662020	80°	42.4	3.7	NiCuNi
10.0	10.0	10.0	N42	M647010	80°	61.8	7.4	NiCuNi
12.0	6.0	3.0	N45SH	M652022	150°	20.0	1.6	NiCu+Sn
12.0	6.0	3.0	N48	M662022	80°	21.8	1.6	NiCuNi
12.0	6.0	4.0	N45SH	M652024	150°	28.0	2.1	NiCu+Sn
12.0	6.0	4.0	N48	M662024	80°	30.5	2.1	NiCuNi
12.0	12.0	12.0	N48	M667012	80°	104.3	12.8	NiCuNi
15.0	4.0	4.0	N45M	M652304	100°	28.9	1.8	NiCuNi
15.0	15.0	3.0	N45	M652305	80°	22.5	5.0	NiCuNi
15.0	15.0	5.0	N35	M615.8	80°	40.5	8.3	Zn
15.0	15.0	5.0	N45SH	M652025	150°	51.7	8.3	NiCu+Sn
15.0	15.0	5.0	N48	M662025	80°	56.4	8.3	NiCuNi
15.0	15.0	8.0	N42	M642306	80°	87.3	13.3	NiCuNi
15.0	15.0	8.0	N45SH	M652026	150°	93.8	13.3	NiCu+Sn
15.0	15.0	8.0	N48	M662026	80°	102.3	13.3	NiCuNi

Overview – All chapter
✉ **Your enquiry**
Technical informations
↑top

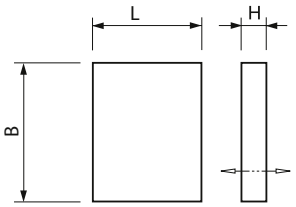
Parallelepiped magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / B = >1*
if H / B ~ 0,5, the temperature is reduced by 30%
if H / B ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised through thickness*



Dimensions ±0.1mm L	B	H	Material	Stock no. ✉	*Temperatur max. C	**Lift N	Weight g	Coating
16.0	8.0	4.0	N45SH	M652028	150°	35.6	3.8	NiCu+Sn
16.0	8.0	4.0	N48	M662028	80°	38.8	3.8	NiCuNi
16.0	8.0	5.0	N45SH	M652030	150°	46.5	4.7	NiCu+Sn
16.0	8.0	5.0	N48	M662030	80°	50.7	4.7	NiCuNi
16.4	9.4	2.5	N48	M662027	60°	18.9	2.9	NiCuNi
20.0	4.0	2.0	N45	M652306	80°	18.4	1.2	NiCuNi
20.0	5.0	2.0	N45SH	M652031	150°	17.3	1.5	NiCu+Sn
20.0	5.0	2.0	N48	M662031	80°	18.8	1.5	NiCuNi
20.0	10.0	2.0	N35	M629.8	80°	10.1	3.0	Zn
20.0	10.0	2.0	N45SH	M652032	150°	12.9	3.0	NiCu+Sn
20.0	10.0	2.0	N48	M662032	80°	14.1	3.0	NiCuNi
20.0	10.0	3.0	N45SH	M652034	150°	26.1	4.4	NiCu+Sn
20.0	10.0	3.0	N48	M662034	80°	28.4	4.4	NiCuNi
20.0	10.0	4.0	N45SH	M652036	150°	40.9	5.9	NiCu+Sn
20.0	10.0	4.0	N48	M662036	80°	44.6	5.9	NiCuNi
20.0	10.0	5.0	N35	M630.8	80°	43.6	7.4	Zn
20.0	10.0	5.0	N42	M642307	80°	51.8	7.4	NiCuNi
20.0	10.0	5.0	N45SH	M652038	150°	55.6	7.4	NiCu+Sn
20.0	10.0	5.0	N48	M662038	80°	60.7	7.4	NiCuNi
20.0	20.0	3.0	N45	M652307	80°	23.6	8.9	NiCuNi
20.0	20.0	3.0	N45SH	M652039	150°	23.6	8.9	NiCu+Sn
20.0	20.0	3.0	N48	M662039	80°	25.7	8.9	NiCuNi
20.0	20.0	5.0	N42	M642308	80°	54.7	14.8	NiCuNi
20.0	20.0	10.0	N42	M642309	80°	144.6	29.6	NiCuNi
20.0	20.0	10.0	N45SH	M652041	150°	155.4	29.6	NiCu+Sn
20.0	20.0	10.0	N48	M662041	80°	169.4	29.6	NiCuNi
25.0	5.0	2.0	N45SH	M652040	150°	21.1	1.9	NiCu+Sn
25.0	5.0	2.0	N48	M662040	80°	23.0	1.9	NiCuNi
25.4	22.0	7.8	N35	M667.8	80°	99.9	32.3	Zn
25.4	25.4	12.7	N40	M632001	80°	224.7	60.6	NiCuNi
26.0	12.0	10.0	N35	M636.8	80°	114.8	23.1	Zn

Overview – All chapter ***✉ Your enquiry*** ***Technical informations***

↑top

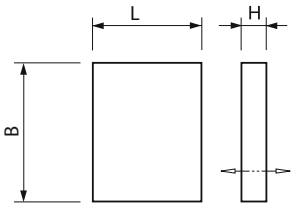
Parallelepiped magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / B = >1*
if H / B ~ 0,5, the temperature is reduced by 30%
if H / B ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised through thickness*



Dimensions ±0.1mm L	B	H	Material	Stock no. ✉	*Temperatur max. C	**Lift N	Weight g	Coating
30.0	6.0	2.0	N45SH	**M652046**	150°	23.0	2.7	NiCu+Sn
30.0	6.0	2.0	N48	**M662046**	80°	25.0	2.7	NiCuNi
30.0	6.0	3.0	N45SH	**M652048**	150°	41.0	4.0	NiCu+Sn
30.0	6.0	3.0	N48	**M662048**	80°	45.0	4.0	NiCuNi
30.0	10.0	5.0	N42	**M642310**	80°	70.0	11.1	NiCuNi
30.0	10.0	6.0	N35	**M632.8**	80°	72.0	13.3	Zn
30.0	30.0	6.0	N35	**M635.8**	80°	98.0	40.0	Zn
40.0	10.0	3.0	N45SH	**M652054**	150°	44.0	8.9	NiCu+Sn
40.0	10.0	3.0	N48	**M662054**	80°	48.0	8.9	NiCuNi
40.0	10.0	5.0	N42	**M642311**	80°	89.0	14.8	NiCuNi
40.0	10.0	5.0	N45SH	**M652056**	150°	94.0	14.8	NiCu+Sn
40.0	10.0	5.0	N48	**M662056**	80°	102.0	14.8	NiCuNi
40.0	15.0	5.0	N45SH	**M652060**	150°	85.0	22.2	NiCu+Sn
40.0	15.0	5.0	N48	**M662060**	80°	92.0	22.2	NiCuNi
40.0	15.0	8.0	N35	**M628.8**	80°	130.0	35.5	Zn
40.0	20.0	5.0	N42	**M642312**	80°	73.0	29.6	NiCuNi
40.0	20.0	10.0	N42	**M642313**	80°	210.0	59.2	NiCuNi
40.0	20.0	10.0	N45SH	**M652062**	150°	222.0	59.2	NiCu+Sn
40.0	20.0	10.0	N48	**M662062**	80°	242.0	59.2	NiCuNi
46.0	30.0	10.0	N42	**M642070**	80°	229.0	102.1	NiCuNi
50.0	15.0	14.0	N42	**M642074**	80°	330.0	77.7	NiCuNi
50.0	50.0	25.0	N42	**M642076**	80°	920.0	462.0	NiCuNi
60.0	30.0	15.0	N42	**M642080**	80°	474.0	200.0	NiCuNi
75.0	50.0	20.0	N42	**M642084**	80°	827.0	555.0	NiCuNi

Overview – All chapter
✉ ***Your enquiry***
Technical informations
↑top

Cubes

Material: ***NdFeB / Neodymium Iron Boron***

**calculated values (10 N = ~1kg)*

Execution: *magnetised through thickness*

Dimensions ±0.1mm L	B	H	Material	Stock no. ✉	Temperatur max. C	*Lift N	Weight g	Coating
5.0	5.0	5.0	N42	**M647005**	80°	11.2	0.9	NiCuNi
7.0	7.0	7.0	N42	**M647007**	80°	16.3	2.5	NiCuNi
10.0	10.0	10.0	N42	**M647010**	80°	38.7	7.4	NiCuNi
12.0	12.0	12.0	N48	**M667012**	80°	64.2	12.8	NiCuNi

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top

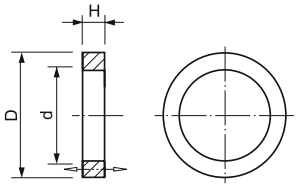
Ring magnets

Material: ***NdFeB / Neodymium Iron Boron***

** **max. operating temperature if** H / (D-d) = >0.5*
if H / (D-d) ~ 0,5, the temperature is reduced by 30%
if H / (D-d) ~ 0,2, the temperature is reduced by 50%

***calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	d	H	Material	Stock no. ✉	*Temperatur max. C	**Lift N	Weight g	Coating
6.0	2.0	2.0	N45	M643001	80°	8.9	0.4	NiCuNiAu
10.0	4.0	5.0	N42	M643002	80°	37.7	2.4	NiCuNi
10.0	4.0	5.0	N45SH	M653145	150°	39.8	2.4	NiCu+Sn
10.0	4.0	5.0	N48	M663145	80°	43.4	2.4	NiCuNi
10.0	7.0	3.0	N45 1)	M643003	80°	25.2	0.9	NiCuNi
12.0	8.2	2.0	N48	M663182	80°	31.0	0.9	NiCuNi
15.0	6.0	6.0	N42	M643004	80°	76.0	6.6	NiCuNi
15.0	6.0	6.0	N45SH	M653166	150°	80.2	6.6	NiCu+Sn
15.0	6.0	6.0	N48	M663166	80°	87.5	6.6	NiCuNi
19.1	9.5	6.4	N42	M643005	80°	109.0	10.2	NiCuNi
19.5	4.6	4.0	N38SH	M623154	150°	60.0	8.3	roh
26.75	16.0	5.0	N42	M643006	80°	142.6	13.4	NiCuNi
28.0	10.2	12.0	N35	M658.8	80°	228.9	47.4	Zn
32.0	10.5	2.0	N35	M736.8	80°	25.8	10.6	NiCuNi
40.0	23.0	6.0	N38	M721.8	80°	231.9	37.3	NiCuNi

1) diametral magnetized

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

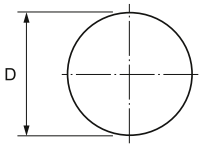
↑top

Bullet magnets

Material: ***NdFeB / Neodymium Iron Boron***

**calculated values (10 N = ~1kg)*

Execution: *magnetised*



Dimensions ±0.1mm D	Material	Stock no. ✉	Temperatur max. C	*Lift N	Weight g	Coating
5.0	N38	**M628505**	80°	4.0	0.5	NiCuNiCr
6.0	N38	**M628506**	80°	5.0	0.8	NiCuNiCr
6.0	N42	**M648060**	80°	6.0	0.8	NiCuNi
8.0	N38	**M628508**	80°	9.0	2.0	NiCuNiCr
8.0	N42	**M648080**	80°	11.0	2.0	NiCuNi
10.0	N40	**M638510**	80°	15.0	3.9	NiCuNiCr
12.7	N42	**M648512**	80°	29.0	7.9	NiCuNiCr

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

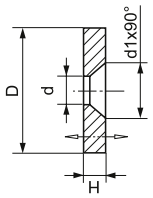
↑top

Ring magnets with sinking, Neodymium

Material: ***NdFeB / Neodymium Iron Boron***

**calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	d	d1	H	Material	Stock no. ✉	Temperatur max. C	*Lift N	Weight g	Coating	Remarks
12.0	3.5	6.6	3.0	N35	**M732.8**	60...80°	23.0	2.0	NiCuNi	1)
12.0	3.5	6.6	3.0	N35	**M732.8N**	60...80°	23.0	2.0	NiCuNi	2)
15.0	4.5	9.0	3.5	N35	**M733.8**	60...80°	34.0	3.9	NiCuNi	1)
15.0	4.5	9.0	3.5	N35	**M733.8N**	60...80°	34.0	3.9	NiCuNi	2)
18.0	4.5	9.0	4.0	N35	**M734.8**	60...80°	46.0	6.3	NiCuNi	1)
18.0	4.5	9.0	4.0	N35	**M734.8N**	60...80°	46.0	6.3	NiCuNi	2)
24.0	5.5	11.0	4.0	N35	**M735.8**	60...80°	63.0	11.5	NiCuNi	1)
24.0	5.5	11.0	4.0	N35	**M735.8N**	60...80°	63.0	11.5	NiCuNi	2)

1) S-pole on counterbore side

2) N-pole on counterbore side

Overview – All chapter

✉ **Your enquiry**

Technical informations

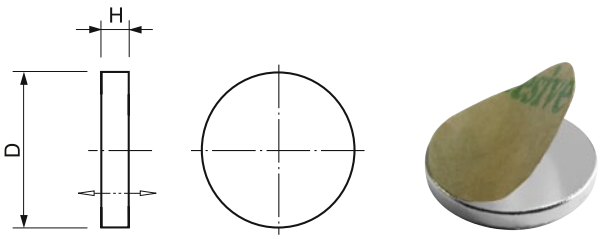
↑top

Disc magnet self adhesiv

Material: ***NdFeB / Neodymium Iron Boron***

**calculated values (10 N = ~1kg)*

Execution: *magnetised on-axis*



Dimensions ±0.1mm D	H	Material	Stock no. ✉	Temperatur max. C	*Lift N	Weight g	Coating	Remarks
6.0	1.0	N42	**M646901**	40°	2.3	0.2	NiCuNi	SK N
6.0	1.0	N42	**M646902**	40°	2.3	0.2	NiCuNi	SK S
8.0	1.0	N42	**M646905**	40°	2.5	0.4	NiCuNi	SK N
8.0	1.0	N42	**M646906**	40°	2.5	0.4	NiCuNi	SK S
10.0	1.0	N42	**M646909**	40°	2.5	0.6	NiCuNi	SK N
10.0	1.0	N42	**M646910**	40°	2.5	0.6	NiCuNi	SK S
12.0	1.0	N42	**M646913**	40°	2.5	0.8	NiCuNi	SK N
12.0	1.0	N42	**M646914**	40°	2.5	0.8	NiCuNi	SK S

SK N = self adhesiv on North-pole side
SK S = self adhesiv on South-pole side

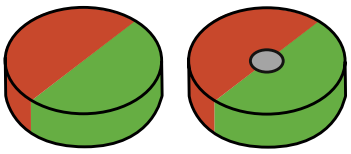
Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

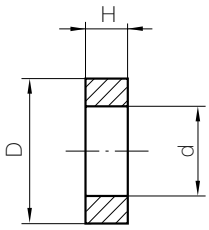
↑top

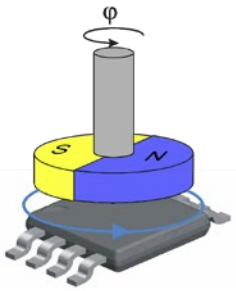
Diametrically magnetized magnets for contactless rotary angle applications

(for products of Melexis Triaxis series and MPS MagAlpha)

Execution in NdFeB, black epoxy coated
Execution in SmCo, uncoated, raw
All magnets are diametrically magnetized.







Dimensions ±0.05mm D	d	H	Material	Stock no. ✉	Temperatur max. C	Weight g	Coating
4.0	–	3.0	N35	**M610403**	80°	0.28	epoxy
4.0	–	3.0	Sm26/16-17	**M410403**	300°	0.32	raw
5.0	–	2.5	N35	**M610502**	80°	0.36	epoxy
5.0	–	2.5	Sm26/16-17	**M410502**	300°	0.41	raw
5.0	1.25	2.5	N35	**M610512**	80°	0.34	epoxy
5.0	1.25	2.5	Sm26/16-17	**M410512**	300°	0.39	raw
6.0	–	2.5	N35	**M610602**	80°	0.52	epoxy
6.0	–	2.5	Sm26/16-17	**M410602**	300°	0.59	raw
6.0	1.5	2.5	N35	**M610612**	80°	0.49	epoxy
6.0	1.5	2.5	Sm26/16-17	**M410612**	300°	0.56	raw
6.0	1.5	3.0	N35	**M610613**	80°	0.59	epoxy
6.0	1.5	3.0	Sm26/16-17	**M410613**	300°	0.67	raw
8.0	–	2.5	N35	**M610802**	80°	0.93	epoxy
8.0	–	2.5	Sm26/16-17	**M410802**	300°	1.06	raw
10.0	7.0	3.0	N42	**M643003**	80°	0.9	NiCuNi

Other dimensions, material quality and versions on request.

Overview – All chapter | ✉ **Your enquiry** | **Technical informations**

↑top