



11 Neodym-Magnete

11 Neodymium Magnets

Hi – Tech Magnete mit bester magnetischer Energie

- Allzweckmaterial mit hoher magnetischer Leistung
- Diverse Einsatz-Temperaturen
- Keramische Materialstruktur, erschwert im Handling
- Eingeschränkt verwendbar in Wasser und Dampf
- Einschränkung der Temperaturbeständigkeit dünner Magnete

Hi-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 / N35...N38



Scheibenmagnete
Disk magnets



Quadermagnete
Parallelepiped
magnets



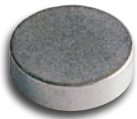
Ringmagnete mit
Senkung
Ring magnets with
sinking



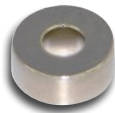
Ringmagnete
Ring magnets

NdFeB / N42...N48

- +20%...+40% Energieinhalt zu N35
- +20%...+40% Energie Content to N35



Scheibenmagnete
Disk magnets



Ringmagnete
Ring magnets



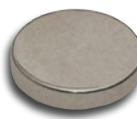
Quadermagnete
Parallelepiped
magnets



Kugelmagnete
bullet magnets

NdFeB / N45SH

- +30% Energieinhalt zu N35, erhöhte Temperaturbeständigkeit bis 150°C
- +30% Energie Content to N35, Increased temperature resistance up to 150°C



Scheibenmagnete
Disk magnets



Ringmagnete
Ring magnets



Quadermagnete
Parallelepiped
magnets

Kundenspezifische Magnetanfrage, Werkslieferung

Abmessung / Form / Material / Magnetisierung /
Beschichtung / Temperatur / nach Zeichnung...

eMail

Your enquiry

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

eMail

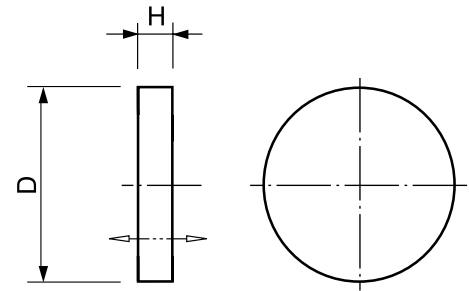


Scheibenmagnet, Neodym
Disk magnets, Neodymium

Werkstoff:
Material: **NdFeB / N35**

Temperatur: **max. 80°C**, wenn $H / D = > 1$
Temperature: **max. 80°C**, if $H / D = > 1$

Ausführung: **verzinkt, axial magnetisiert**
Execution: **zinc coated, magnetised on-axis**



M695.8

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm		Gewicht Weight	Hubkraft Lift
	D	H	g	N
M601.8	2.0	1.2	0.03	1.0
M637.8	2.0	2.0	0.05	1.2
M717.8	2.0	10.0	0.23	1.5
M664.8	3.0	1.0	0.05	1.6
M665.8	3.0	1.5	0.08	2.2
M638.8	3.0	2.0	0.10	2.5
M617.8	3.0	3.0	0.16	2.9
M659.8	3.0	4.0	0.21	3.1
M622.8	4.0	1.5	0.1	3.0
M623.8	4.0	2.0	0.2	3.8
M624.8	4.0	2.5	0.2	4.2
M639.8	4.0	3.0	0.3	4.7
M640.8	4.0	5.0	0.5	5.4
M652.8	4.0	7.0	0.7	5.8
M728.8	4.0	10.0	0.9	6.3
M626.8	4.5	2.0	0.2	4.4
M673.8	5.0	1.5	0.2	4.0
M674.8	5.0	2.0	0.3	5.0
M675.8	5.0	2.5	0.4	6.0
M642.8	5.0	3.0	0.4	6.6
M729.8	5.0	10.0	1.5	9.8
M641.8	5.5	2.5	0.4	6.6
M613.8	6.0	2.0	0.4	6.2
M672.8	6.0	3.0	0.6	8.6
M656.8	6.0	4.0	0.8	9.9
M724.8	6.0	6.0	1.21	11.7
M663.8	7.0	1.5	0.4	5.9
M677.8	7.0	2.5	0.7	8.9
M645.8	7.0	6.0	1.7	15.0
M681.8	8.0	2.0	0.7	9.1
M682.8	8.0	3.0	1.1	12.2
M683.8	8.0	4.0	1.5	15.4
M643.8	8.0	5.0	1.9	17.1
M685.8	9.0	3.0	1.4	14.0
M644.8	9.0	5.0	2.4	20.3

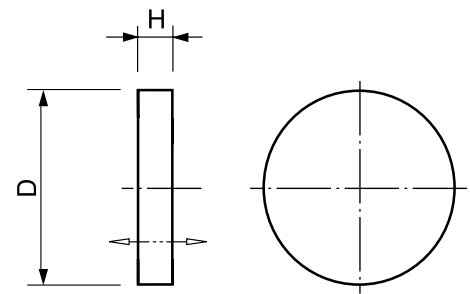


Scheibenmagnet, Neodym
Disk magnets, Neodymium

Werkstoff:
Material: **NdFeB / N35**

Temperatur: **max. 80°C**, wenn $H / D = > 1$
Temperature: **max. 80°C**, if $H / D = > 1$

Ausführung: **verzinkt, axial magnetisiert**
Execution: **zinc coated, magnetised on-axis**



M695.8

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm		Gewicht Weight g	Hubkraft Lift N	
	D	H			
M687.8	10.0	2.0	1.2	11.5	
M646.8	10.0	3.0	1.7	16.2	
M688.8	10.0	4.0	2.3	20.1	
M647.8	10.0	5.0	2.9	24.0	
M689.8	12.0	2.0	1.7	13.7	
M690.8	12.0	3.0	2.5	20.3	
M692.8	12.0	5.0	4.2	29.7	
M693.8	13.0	2.0	2.0	15.0	
M694.8	13.0	3.0	3.0	22.2	
M649.8	14.0	4.0	4.6	30.5	
M699.8	14.0	5.0	5.7	35.9	
M700.8	15.0	2.0	2.6	19.2	
M701.8	15.0	3.0	3.9	25.8	
M702.8	15.0	4.0	5.2	33.5	
M648.8	15.0	5.0	6.5	39.4	
M648.8N	15.0	5.0	6.5	39.4	vernickelt / nickel plated
M704.8	16.0	4.0	6.0	36.3	
M707.8	18.0	4.0	7.5	41.0	
M709.8	20.0	3.0	7.0	34.8	
M710.8	20.0	4.0	9.3	45.9	
M650.8	20.0	5.0	11.6	57.0	
M651.8	20.0	10.0	23.3	96.2	
M712.8	25.0	4.0	14.5	57.9	
M713.8	25.0	5.0	18.2	71.7	
M657.8	25.0	10.0	34.4	125.0	N38
M668.8	30.0	5.0	26.2	86.8	



Quadmagnete, Neodym

Parallelepiped magnets, Neodymium

Werkstoff:

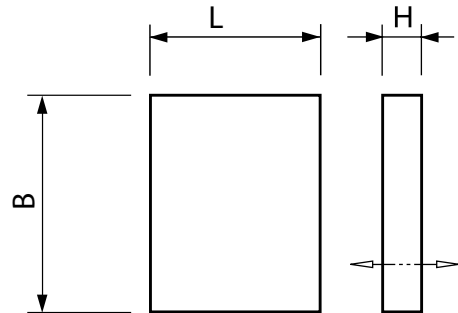
Material: **NdFeB / N35**

Temperatur: **max. 80°C**, wenn $H / B = > 1$

Temperature: **max. 80°C**, if $H / B = > 1$

Ausführung: verzinkt,
durch Dicke magnetisiert

Execution: zinc coated,
magnetised through thickness



M632.8

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight g	Hubkraft Lift N
	L	B	H		
M600.8	3.0	3.0	1.0	0.1	1.4
M604.8	4.8	4.8	4.5	0.8	6.3
M605.8	5.0	5.0	2.0	0.4	4.8
M610.8	10.0	10.0	3.0	2.2	16.0
M615.8	15.0	15.0	5.0	8.4	46.5
M630.8	20.0	10.0	5.0	7.4	46.5
M629.8	20.0	10.0	2.0	3.0	18.0
M667.8	25.4	22.0	7.8	32.5	109.0
M636.8	26.0	12.0	10.0	24.5	100.0
M632.8	30.0	10.0	6.0	13.3	55.0
M635.8	30.0	30.0	6.0	40.0	106.0
M628.8	40.0	15.0	8.0	37.0	140.0

Ringmagnete mit Senkung, Neodym

Ring magnets with sinking, Neodymium

Werkstoff:

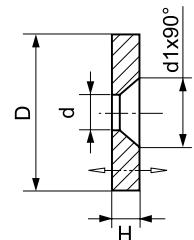
Material: **NdFeB / N35**

Temperatur: **max. 60...80°C**

Temperature:

Ausführung: vernickelt, axial magnetisiert

Execution: nickel plated, magnetised on-axis



Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight g	Hubkraft Lift N
	D	d	d1		
M732.8	12	3.5	6.6	3	21.2
M733.8	15	4.5	9.0	3.5	29.9
M734.8	18	4.5	9.0	4	44.0
M735.8	24	5.5	11.0	4	69.7



M733.8

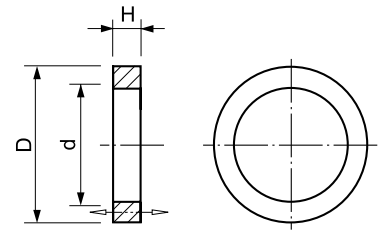


Ringmagnete, Neodym Ring magnets, Neodymium

Werkstoff:
Material: **NdFeB / N35...N38**

Temperatur: **max. 80°C**, wenn $H / (D-d) = >0.5$
Temperature: **max. 80°C**, if $H / (D-d) = >0.5$

Ausführung: *axial magnetisiert*
Execution: *magnetised on-axis*



M658.8

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight	Hubkraft Lift	Werkstoff Material	Beschichtung Coating
	D	d	H	g	N		
M658.8	28	10.2	12	47.3	22.0	N35	verzinkt / zinc coated
M736.8	32	10.5	2	10.2	45.6	N35	vernickelt / nickel plated
M721.8	40	23.0	6	38.0	32.0	N38	vernickelt / nickel plated

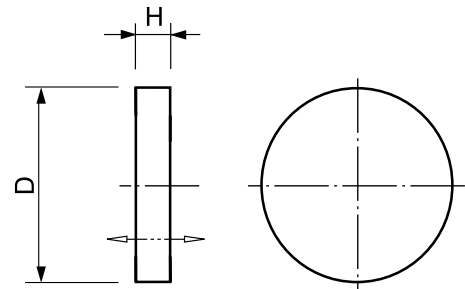


Scheibenmagnet, Neodym Disk magnets, Neodymium

Werkstoff:
Material: **NdFeB / N48**

Temperatur: **max. 80°C**, wenn $H/D = >1$
Temperature: **max. 80°C**, if $H/D = >1$

Ausführung: vernickelt, axial magnetisiert
Execution: nickel plated, magnetised on-axis



Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm		Gewicht Weight g	Hubkraft Lift N
	D	H		
M661016	1.5	1.0	0.01	0.7
M661017	1.5	2.0	0.03	1.0
M661021	2.0	1.0	0.02	1.2
M661022	2.0	2.0	0.05	1.7
M661031	3.0	1.0	0.05	2.1
M661032	3.0	2.0	0.10	3.5
M661033	3.0	3.0	0.16	4.1
M661041	4.0	1.0	0.1	2.9
M661042	4.0	2.0	0.2	5.2
M661043	4.0	3.0	0.3	6.5
M661044	4.0	4.0	0.4	7.2
M661051	5.0	1.0	0.2	3.9
M661052	5.0	2.0	0.3	7.0
M661053	5.0	3.0	0.4	9.1
M661054	5.0	4.0	0.6	10.5
M661055	5.0	5.0	0.7	11.3
M661058	5.0	8.0	1.2	12.5
M661061	6.0	1.0	0.2	4.7
M661062	6.0	2.0	0.4	8.7
M661063	6.0	3.0	0.6	12.0
M661064	6.0	4.0	0.8	13.8
M661065	6.0	5.0	1.0	15.3
M661081	8.0	1.0	0.4	6.2
M661082	8.0	2.0	0.7	12.7
M661083	8.0	3.0	1.1	17.1
M661084	8.0	4.0	1.5	21.4
M661085	8.0	5.0	1.9	23.9
M661101	10.0	1.0	0.6	8.2
M661102	10.0	2.0	1.2	16.0
M661103	10.0	3.0	1.7	22.6
M661104	10.0	4.0	2.3	28.1
M661105	10.0	5.0	2.9	33.6
M661121	12.0	1.0	0.9	6.0
M661122	12.0	2.0	1.7	18.9
M661123	12.0	3.0	2.5	28.3
M661124	12.0	4.0	3.4	34.9
M661125	12.0	5.0	4.2	41.5
M661126	12.0	6.0	5.0	47.3
M661151	15.0	1.0	1.3	9.0
M661152	15.0	2.0	2.6	27.3
M661153	15.0	3.0	3.9	35.5
M661154	15.0	4.0	5.2	46.1
M661155	15.0	5.0	6.5	54.2
M661158	15.0	8.0	10.5	76.8
M661181	18.0	1.0	2.0	11.2

top

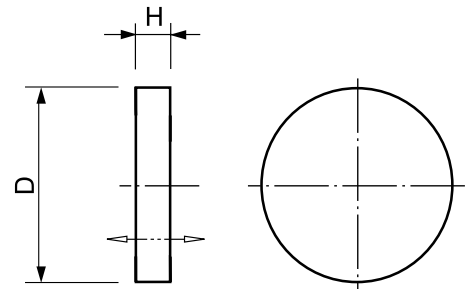


Scheibenmagnet, Neodym Disk magnets, Neodymium

Werkstoff:
Material: **NdFeB / N48**

Temperatur: **max. 80°C**, wenn $H / D = > 1$
Temperature: **max. 80°C**, if $H / D = > 1$

Ausführung: vernickelt, axial magnetisiert
Execution: nickel plated, magnetised on-axis



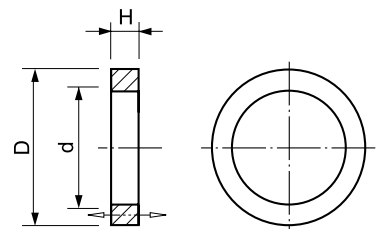
Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm		Gewicht Weight g	Hubkraft Lift N
	D	H		
M661202	20.0	2.0	4.7	37.1
M661203	20.0	3.0	7.0	47.9
M661204	20.0	4.0	9.3	63.2
M661205	20.0	5.0	11.6	78.4
M661210	20.0	10.0	23.3	132.4
M661253	25.0	3.0	10.9	67.5
M661254	25.0	4.0	14.5	79.7
M661255	25.0	5.0	18.2	98.7

Ringmagnete, Neodym Ring magnets, Neodymium

Werkstoff:
Material: **NdFeB / N42...N48**

Temperatur: **max. 80°C**, wenn $H / (D-d) = > 0.5$
Temperature: **max. 80°C**, if $H / (D-d) = > 0.5$

Ausführung: axial magnetisiert
Execution: magnetised on-axis



M663166

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight g	Hubkraft Lift N	Werkstoff Material	Beschichtung Coating
	D	d	H				
M643001	6.0	2.0	2.0	0.4	6.4	N45	NiCuNiAu
M643002	10.0	4.0	5.0	2.4	20.0	N42	NiCuNi
M663145	10.0	4.0	5.0	2.4	23.0	N48	NiCuNi
M643003	10.0	7.0	3.0	0.9	4.0	N45	NiCuNi
M643004	15.0	6.0	6.0	6.6	48.0	N42	NiCuNi
M663166	15.0	6.0	6.0	6.6	56.0	N48	NiCuNi
M643005	19.1	9.5	6.4	10.2	77.0	N42	NiCuNi
M643006	26.75	16.0	5.0	13.4	110.0	N42	NiCuNi



Quadmagnete, Neodym

Parallelepiped magnets, Neodymium

Werkstoff:

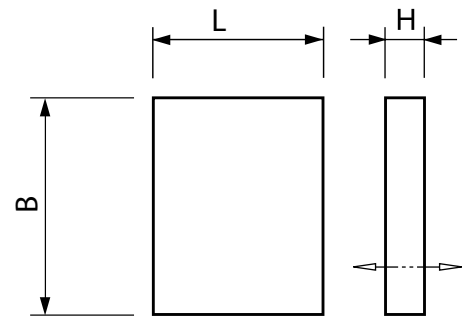
Material: **NdFeB / N48**

Temperatur: **max. 80°C, wenn $H/B = >1$**

Temperature: **max. 80°C, if $H/B = >1$**

Ausführung: vernickelt,
durch Dicke magnetisiert

Execution: nickel plated,
magnetised through thickness



Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight	Hubkraft Lift
	L	B	H	g	N
M662002	2.0	2.0	1.0	0.03	1.5
M662004	3.0	3.0	1.0	0.1	2.3
M662008	5.0	5.0	2.0	0.4	7.7
M662010	5.0	5.0	3.0	0.6	11.6
M662012	6.0	3.0	2.0	0.3	6.6
M662013	6.0	4.0	2.0	0.4	7.6
M662014	8.0	4.0	3.0	0.7	13.2
M662015	10.0	3.0	2.0	0.4	8.5
M662016	10.0	5.0	2.0	0.7	11.0
M662017	10.0	4.0	2.0	0.6	9.8
M662018	10.0	5.0	3.0	1.1	16.5
M662020	10.0	10.0	5.0	3.7	38.8
M662022	12.0	6.0	3.0	1.6	19.8
M662024	12.0	6.0	4.0	2.1	26.4
M662025	15.0	15.0	5.0	8.3	58.3
M662026	15.0	15.0	8.0	13.3	93.3
M662028	16.0	8.0	4.0	3.8	35.2
M662030	16.0	8.0	5.0	4.7	44.0
M662031	20.0	5.0	2.0	1.5	15.5
M662032	20.0	10.0	2.0	3.0	25.0
M662034	20.0	10.0	3.0	4.4	38.0
M662036	20.0	10.0	4.0	5.9	50.0
M662038	20.0	10.0	5.0	7.4	61.0
M662039	20.0	20.0	3.0	8.9	54.0
M662041	20.0	20.0	10.0	29.6	150.0
M662040	25.0	5.0	2.0	1.9	32.0
M662046	30.0	6.0	2.0	2.7	34.0
M662048	30.0	6.0	3.0	4.0	53.0
M662054	40.0	10.0	3.0	8.9	76.0
M662056	40.0	10.0	5.0	14.8	114.0



Kugelmagnete, Neodym Bullet magnets, Neodymium

Werkstoff:
Material: **NdFeB / N42**

Temperatur:
Temperature: **max. 80°C**

Ausführung: vernickelt, magnetisiert
Execution: nickel plated, magnetised



	Abmessungen Dimensions	Gewicht Weight	Hubkraft Lift
Bestell-Nr. Stock number	$\pm 0.1\text{mm}$ D (Kugel)	g	N
M648060	6.0	0.9	6.0
M648080	8.0	2.2	11.0

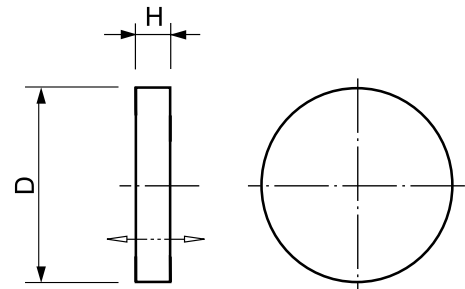


Scheibenmagnet, Neodym Disk magnets, Neodymium

Werkstoff:
Material: **NdFeB / N45SH**

Temperatur: **max. 150°C**, wenn $H / D = >1$
Temperature: **max. 150°C**, if $H / D = >1$

Ausführung: **vernickelt und verzinkt, axial magnetisiert**
Execution: **nickel plated and tin-plated, magnetised on-axis**



M651153

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm		Gewicht Weight g	Hubkraft Lift N	
	D	H			
M651016	1.5	1.0	0.01	0.6	vernickelt / nickel plated
M651017	1.5	2.0	0.03	0.8	vernickelt / nickel plated
M651021	2.0	1.0	0.02	1.1	vernickelt / nickel plated
M651022	2.0	2.0	0.05	1.5	vernickelt / nickel plated
M651031	3.0	1.0	0.05	1.8	
M651032	3.0	2.0	0.10	3.0	
M651033	3.0	3.0	0.16	3.2	
M651039	3.0	10.0	0.52	3.3	
M651041	4.0	1.0	0.1	2.6	
M651042	4.0	2.0	0.2	4.5	
M651043	4.0	3.0	0.3	5.6	
M651044	4.0	4.0	0.4	6.2	
M651051	5.0	1.0	0.2	3.4	
M651052	5.0	2.0	0.3	6.0	
M651053	5.0	3.0	0.4	7.9	
M651054	5.0	4.0	0.6	9.1	
M651055	5.0	5.0	0.7	9.9	
M651058	5.0	8.0	1.2	10.9	
M651061	6.0	1.0	0.2	4.1	
M651062	6.0	2.0	0.4	7.5	
M651063	6.0	3.0	0.6	10.3	
M651064	6.0	4.0	0.8	11.9	
M651065	6.0	5.0	1.0	13.2	
M651081	8.0	1.0	0.4	5.4	
M651082	8.0	2.0	0.7	10.9	
M651083	8.0	3.0	1.1	14.7	
M651084	8.0	4.0	1.5	18.5	
M651085	8.0	5.0	1.9	20.7	
M651101	10.0	1.0	0.6	7.2	
M651102	10.0	2.0	1.2	13.8	
M651103	10.0	3.0	1.7	19.6	
M651104	10.0	4.0	2.3	24.3	
M651105	10.0	5.0	2.9	29.0	
M651122	12.0	2.0	1.7	16.5	
M651123	12.0	3.0	2.5	24.5	
M651124	12.0	4.0	3.4	30.1	
M651125	12.0	5.0	4.2	35.8	
M651126	12.0	6.0	5.0	41.5	
M651152	15.0	2.0	2.6	23.7	
M651153	15.0	3.0	3.9	31.2	
M651154	15.0	4.0	5.2	40.5	

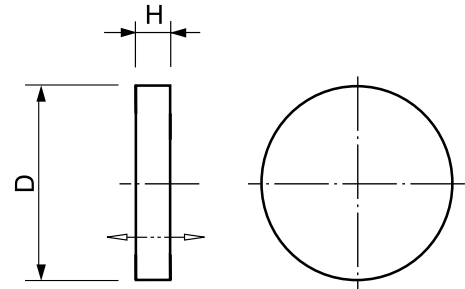


Scheibenmagnet, Neodym Disk magnets, Neodymium

Werkstoff:
Material: **NdFeB / N45SH**

Temperatur: **max. 150°C**, wenn $H / D = >1$
Temperature: **max. 150°C**, if $H / D = >1$

Ausführung: vernickelt und verzinkt, axial magnetisiert
Execution: nickel plated and tin-plated, magnetised on-axis



M651153

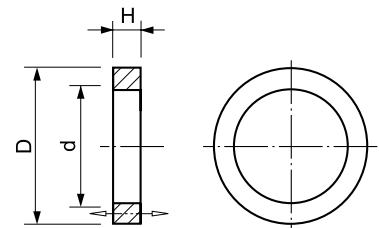
Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm		Gewicht Weight g	Hubkraft Lift N
	D	H		
M651155	15.0	5.0	6.5	47.6
M651158	15.0	8.0	10.5	67.4
M651202	20.0	2.0	4.7	33.1
M651203	20.0	3.0	7.0	41.6
M651204	20.0	4.0	9.3	54.9
M651205	20.0	5.0	11.6	68.3
M651210	20.0	10.0	23.3	115.5
M651253	25.0	3.0	10.9	59.4
M651254	25.0	4.0	14.5	70.0
M651255	25.0	5.0	18.2	86.7

Ringmagnete, Neodym Ring magnets, Neodymium

Werkstoff:
Material: **NdFeB / N45SH**

Temperatur: **max. 150°C**, wenn $H / (D-d) = >0.5$
Temperature: **max. 150°C**, if $H / (D-d) = >0.5$

Ausführung: vernickelt und verzinkt, axial magnetisiert
Execution: nickel plated and tin-plated, magnetised on-axis



M653145

Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight g	Hubkraft Lift N
	D	d	H		
M653145	10	4	5	2.4	45.8
M653166	15	6	6	6.6	95.0

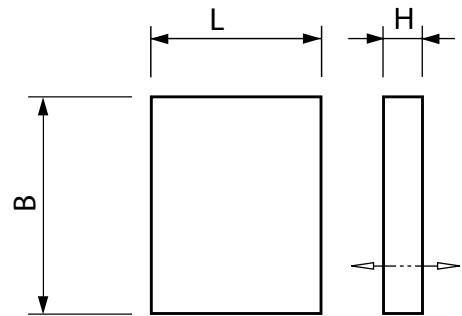


Quadmagnete, Neodym Parallelepiped magnets, Neodymium

Werkstoff:
Material: **NdFeB / N45SH**

Temperatur: **max. 150°C**, wenn $H/B = >1$
Temperature: **max. 150°C**, if $H/B = >1$

Ausführung: **vernickelt und verzinkt, durch Dicke magnetisiert**
Execution: **nickel plated and tin-plated, magnetised through thickness**



Bestell-Nr. Stock number	Abmessungen Dimensions ±0.1mm			Gewicht Weight	Hubkraft Lift	
	L	B	H	g	N	
M652002	2.0	2.0	1.0	0.03	1.4	vernickelt / nickel plated
M652004	3.0	3.0	1.0	0.1	2.1	
M652008	5.0	5.0	2.0	0.4	7.2	
M652010	5.0	5.0	3.0	0.6	10.8	
M652012	6.0	3.0	2.0	0.3	6.1	
M652013	6.0	4.0	2.0	0.4	7.0	
M652014	8.0	4.0	3.0	0.7	12.2	
M652015	10.0	3.0	2.0	0.4	7.9	
M652016	10.0	5.0	2.0	0.7	10.2	
M652017	10.0	4.0	2.0	0.6	9.1	
M652018	10.0	5.0	3.0	1.1	15.3	
M652020	10.0	10.0	5.0	3.7	36.1	
M652022	12.0	6.0	3.0	1.6	18.3	
M652024	12.0	6.0	4.0	2.1	24.5	
M652025	15.0	15.0	5.0	8.3	54.1	
M652026	15.0	15.0	8.0	13.3	85.3	
M652028	16.0	8.0	4.0	3.8	32.6	
M652030	16.0	8.0	5.0	4.7	40.8	
M652031	20.0	5.0	2.0	1.5	14.4	
M652032	20.0	10.0	2.0	3.0	21.7	
M652034	20.0	10.0	3.0	4.4	33.0	
M652036	20.0	10.0	4.0	5.9	43.5	
M652038	20.0	10.0	5.0	7.4	53.0	
M652039	20.0	20.0	3.0	8.9	47.0	
M652041	20.0	20.0	10.0	29.6	130.0	
M652040	25.0	5.0	2.0	1.9	27.5	
M652046	30.0	6.0	2.0	2.7	29.5	
M652048	30.0	6.0	3.0	4.0	47.0	
M652054	40.0	10.0	3.0	8.9	66.0	
M652056	40.0	10.0	5.0	14.8	98.0	

