

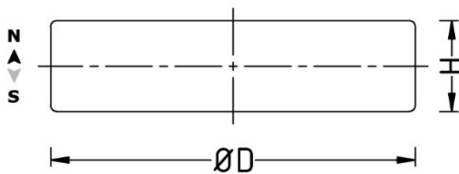
Scheibenmagnete NdFeb / Disc magnets NdFeB

1. Allgemeine technische Spezifikationen / General technical specifications

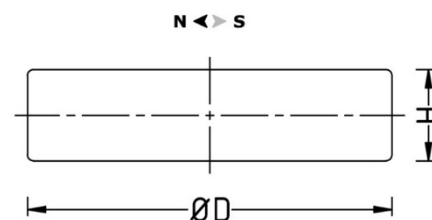
Form / Shape	Scheibe / Disc
Material / Material	NdFeB
Herstellungsart / Production	gesintert / sintered
Toleranz / Tolerance	+/- 0.1 mm
Max. Einsatztemperatur / Max. operating temperature	80°C
TARIC – CODE	8505.11.00.99

2. Technische Zeichnung / Technical drawing

Axiale Magnetisierung / Axial magnetization



Diametrale Magnetisierung / Diametrical magnetization



3. Technische Spezifikationen / Technical specifications

Artikelnummer / Model	Durchmesser / Diameter (D) in mm	Höhe / Height (H) in mm	Güte / Grade	Haftkraft / Adhesion in kg	Gewicht / Weight in g	Magnetisierungsrichtung / Direction of magnetization	Beschichtung / Coating
SA-1x1-NI-N45	1.0	1.0	N45	0.025	0.006	axial	NiCuNi
SA-1.5x0.5-NI-N45	1.5	0.5	N45	0.03	0.0067	axial	NiCuNi
SA-2x1-NI-N45	2.0	1.0	N45	0.06	0.024	axial	NiCuNi
SA-2x2-NI-N48	2.0	2.0	N48	0.115	0.048	axial	NiCuNi
SA-3x1-NI-N48	3.0	1.0	N45	0.13	0.054	axial	NiCuNi
SA-3x1.5-NI-N35	3.0	1.5	N35	0.145	0.081	axial	NiCuNi
SA-3x2-NI-N48	3.0	2.0	N48	0.25	0.11	axial	NiCuNi
SA-3x3-NI-N45	3.0	3.0	N45	0.29	0.16	axial	NiCuNi
SA-4x1.5-NI-N45	4.0	1.5	N45	0.28	0.14	axial	NiCuNi
SA-4x2-NI-N45	4.0	2.0	N45	0.37	0.19	axial	NiCuNi
SA-4x3-NI-N45	4.0	3.0	N45	0.5	0.29	axial	NiCuNi
SA-4x4-NI-N45	4.0	4.0	N45	0.58	0.38	axial	NiCuNi
SA-5x1-NI-N45	5.0	1.0	N45	0.24	0.15	axial	NiCuNi
SA-5x2-NI-N52	5.0	2.0	N52	0.59	0.3	axial	NiCuNi
SA-5x3-NI-N42	5.0	3.0	N42	0.66	0.45	axial	NiCuNi
SA-5x4-AU-N35	5.0	4.0	N35	0.67	0.75	axial	NiCuNiAu
SA-5x5-NI-N45	5.0	5.0	N45	0.99	0.75	axial	NiCuNi
SA-6x1-NI-N52	6.0	1.0	N52	0.36	0.21	axial	NiCuNi
SA-6x2-AU-N45	6.0	2.0	N45	0.65	0.43	axial	NiCuNiAu

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SA-6x2-NI-N52	6.0	2.0	N52	0.74	0.43	axial	NiCuNi
SA-6x3-NI-N45	6.0	3.0	N45	0.96	0.64	axial	NiCuNi
SA-6x4-NI-N45	6.0	4.0	N45	1.2	0.86	axial	NiCuNi
SA-6x5-NI-N45	6.0	5.0	N45	1.3	1.07	axial	NiCuNi
SA-6x6-NI-N48	6.0	6.0	N48	1.5	1.29	axial	NiCuNi
SA-8x1-NI-N45	8.0	1.0	N45	0.46	0.38	axial	NiCuNi
SA-8x2-NI-N52	8.0	2.0	N52	1.1	0.76	axial	NiCuNi
SA-8x3-AU-N40	8.0	3.0	N40	1.3	1.1	axial	NiCuNiAu
SA-8x3-NI-N45	8.0	3.0	N45	1.5	1.1	axial	NiCuNi
SA-8x4-NI-N45	8.0	4.0	N45	1.9	1.5	axial	NiCuNi
SA-8x5-NI-N45	8.0	5.0	N45	2.2	1.9	axial	NiCuNi
SA-8x6-NI-N45	8.0	6.0	N45	2.4	2.0	axial	NiCuNi
SA-8x8-NI-N45	8.0	8.0	N45	2.6	3.1	axial	NiCuNi
SA-9x5-NI-N50	9.0	5.0	N50	2.9	2.4	axial	NiCuNi
SA-10x1-NI-N35	10.0	1.0	N35	0.5	0.69	axial	NiCuNi
SA-10x1.5-NI-N42	10.0	1.5	N42	0.96	0.9	axial	NiCuNi
SA-10x2-NI-N42	10.0	2.0	N42	1.2	1.29	axial	NiCuNi
SA-10x2.5-NI-N42	10.0	2.5	N42	1.4	1.5	axial	NiCuNi
SA-10x3-NI-N52	10.0	3.0	N52	2.4	1.8	axial	NiCuNi
SA-10x4-AU-N42	10.0	4.0	N42	2.5	2.4	axial	NiCuNiAu
SA-10x4-NI-N42	10.0	4.0	N42	2.5	2.4	axial	NiCuNi
SA-10x5-NI-N52	10.0	5.0	N52	3.6	3.0	axial	NiCuNi
SD-10x5-NI-N45	10.0	5.0	N45	-	3.0	diametral	NiCuNi
SA-10x10-NI-N45	10.0	10.0	N45	4.3	6.0	axial	NiCuNi
SA-12x1-NI-N42	12.0	1.0	N42	0.7	0.86	axial	NiCuNi
SA-12x2-NI-N45	12.0	2.0	N45	1.6	1.7	axial	NiCuNi
SA-12x3-NI-N45	12.0	3.0	N45	2.6	2.6	axial	NiCuNi
SA-12x4-NI-N45	12.0	4.0	N45	3.5	3.4	axial	NiCuNi
SA-12x5-NI-N45	12.0	5.0	N45	4.2	4.3	axial	NiCuNi
SA-12x6-NI-N45	12.0	6.0	N45	4.6	5.2	axial	NiCuNi
SA-15x3-NI-N52	15.0	3.0	N52	4.0	4.0	axial	NiCuNi
SA-15x5-NI-N42	15.0	5.0	N42	5.4	6.7	axial	NiCuNi
SA-15x8-NI-N42	15.0	8.0	N42	7.2	11.0	axial	NiCuNi
SA-20x1.5-NI-N35	20.0	1.5	N35	1.8	4.8	axial	NiCuNi
SA-20x2-NI-N45	20.0	2.0	N45	3.0	4.8	axial	NiCuNi
SA-20x3-NI-N45	20.0	3.0	N45	4.6	7.2	axial	NiCuNi
SA-20x5-NI-N52	20.0	5.0	N52	9.6	12.0	axial	NiCuNi
SA-20x10-NI-N42	20.0	10.0	N42	12.2	24.0	axial	NiCuNi
SA-25x3-NI-N45	25.0	3.0	N45	5.7	24.0	axial	NiCuNi
SA-25x5-NI-N42	25.0	5.0	N42	10.3	19.0	axial	NiCuNi
SA-25x7-NI-N42	25.0	7.0	N42	13.0	26.0	axial	NiCuNi

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SA-30x3-NI-N45	30.0	3.0	N45	6.9	16.0	axial	NiCuNi
SA-30x5-NI-N45	30.0	5.0	N45	12.7	28.0	axial	NiCuNi
SA-30x7-NI-N42	30.0	7.0	N42	15.0	38.0	axial	NiCuNi
SA-30x10-NI-N42	30.0	10.0	N42	21.4	54.0	axial	NiCuNi
SA-30x15-NI-N42	30.0	15.0	N42	27.8	81.0	axial	NiCuNi
SA-30x20-NI-N45	30.0	20.0	N45	34.2	108.0	axial	NiCuNi
SA-30x30-NI-N42	30.0	30.0	N42	39.4	162.0	axial	NiCuNi
SA-35x5-NI-N42	35.0	5.0	N42	13.0	37.0	axial	NiCuNi
SA-35x20-NI-N42	35.0	20.0	N42	40.4	150.0	axial	NiCuNi
SA-40x5-NI-N45	40.0	5.0	N45	15.0	45.0	axial	NiCuNi
SA-40x10-NI-N45	40.0	10.0	N45	30.7	90.0	axial	NiCuNi
SA-45x30-NI-N45	45.0	30.0	N45	64.0	300.0	axial	NiCuNi
SA-50x5-NI-N52	50.0	5.0	N52	20.7	92.0	axial	NiCuNi
SA-50x10-NI-N52	50.0	10.0	N52	45.0	180.0	axial	NiCuNi
SA-60x5-NI-N42	60.0	5.0	N42	19.6	110.0	axial	NiCuNi
SA-70x10-NI-N45	70.0	10.0	N45	51.0	330.0	axial	NiCuNi
SA-70x25-NI-N42	70.0	25.0	N42	157.0	825.0	axial	NiCuNi
SA-70x45-NI-N52	70.0	45.0	N52	265.0	1450.0	axial	NiCuNi
SA-80x10-BE-N45	80.0	10.0	N45	58.0	400.0	axial	Black Epoxy
SA-80x10-NI-N45	80.0	10.0	N45	58.0	400.0	axial	NiCuNi
SA-90x20-NI-N52	90.0	20.0	N52	216.0	950.0	axial	NiCuNi
SA-120x20-NI-N52	120.0	20.0	N52	295.0	1750.0	axial	NiCuNi

4. Physikalische Eigenschaften / Physical properties

Güte / Grade	Remanenz / Residual magnetism		Koerzitivfeldstärke / Coercive field strength				Energieprodukt / Energy product		Max. Einsatz- temperatur / Max. operation temp.
	Br		HcB		HcJ		(BxH) max		
	kGs	mT	kOe	kA/m	kOe	kA/m	MGOe	kJ/m ³	
N30	10.0-11.2	1080-1120	≥ 9.8	≥ 780	≥ 12	≥ 955	28-30	223-239	80°C
N33	11.4-11.7	1140-1170	≥ 10.3	≥ 820	≥ 12	≥ 955	31-33	247-263	80°C
N35	11.7-12.2	1170-1220	≥ 10.9	≥ 868	≥ 12	≥ 955	33-36	263-287	80°C
N38	12.2-12.5	1220-1250	≥ 11.3	≥ 899	≥ 12	≥ 955	36-39	287-310	80°C
N40	12.5-12.8	1250-1280	≥ 11.4	≥ 907	≥ 12	≥ 955	38-41	302-326	80°C
N42	12.8-13.2	1280-1320	≥ 11.5	≥ 915	≥ 12	≥ 955	40-43	318-342	80°C
N45	13.2-13.8	1320-1380	≥ 11.6	≥ 923	≥ 12	≥ 955	43-46	342-366	80°C
N48	13.8-14.2	1380-1420	≥ 10.5	≥ 836	≥ 12	≥ 955	46-49	366-390	80°C
N50	14.0-14.5	1400-1450	≥ 10.0	≥ 796	≥ 11	≥ 876	48-51	382-406	80°C
N52	14.3-14.8	1430-1480	≥ 10.0	≥ 796	≥ 11	≥ 876	50-53	398-422	80°C

5. Normen und Vorschriften / Standards and regulations



Die Magnete sind schadstofffrei gemäß RoHS-Richtlinie 2011/65/EU und nicht registrierungspflichtig gemäß Verordnung (EG) Nr.1907/2006 (REACH).
The magnets are pollutant-free according to RoHs Directive 2011/65/EU and exempt from registration according to (EG) Nr.1907/2006 (REACH).

Wir weisen darauf hin, dass die Neodym Magnete nicht in folgende Länder exportiert werden dürfen: USA, Kanada, Japan
Neodymium magnets cannot be exported to the following countries: USA, Canada, Japan

6. Warnhinweise / Warnings

- Halten Sie einen größtmöglichen Abstand zu empfindlichen Gegenständen wie Festplatten, Kreditkarten und Herzschrittmachern.
Keep a distance as large as possible to sensitive objects such as hard disks, credit cards and pacemakers.
- Bei Neodym Magneten besteht Splittergefahr. Bei Zusammenstößen kann es vorkommen, dass die Magnete zerbrechen. Dadurch sind sie auch nicht für eine mechanische Bearbeitung z.B. Bohren, Sägen oder Feilen geeignet.
Neodymium Magnets may splinter. In case of a collision the magnets can break. This makes them not suitable for mechanical abrasion such as drilling, sawing or filing.
- Tragen Sie beim Umgang mit Magneten stets eine Schutzbrille und Sicherheitshandschuhe um Verletzungen vorzubeugen.
Always wear protective goggles and protective gloves while handling magnets to prevent injuries.
- Lagern Sie die Magnete ausreichend geschirmt und entsprechend gekennzeichnet um Unfälle und Beschädigungen zu vermeiden.
To avoid accidents and damages, the magnets must be stored adequately shielded and labelled.

Unsere vollständigen Warnhinweise zum Umgang mit Magneten finden Sie unter:

https://www.mtsmagnete.de/pdf/warnhinweise_web.pdf

Here you can find our complete list of warnings for the handling of magnets: