

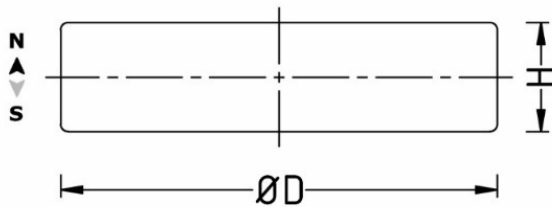
Scheibenmagnete NdFeb / Disc magnets NdFeB

• Allgemeine technische Spezifikationen / General technical specifications

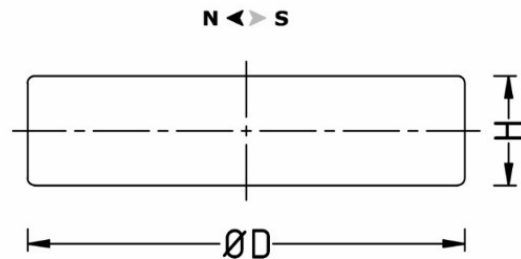
Form / Shape	Scheibe / Disc
Material / Material	NdFeB
Herstellungsart / Production	gesintert / sintered
Toleranz / Tolerance	+/- 0.1 mm
Max. Einsatztemperatur / Max. operating temperature	80°C
TARIC – CODE	8505.11.00.99

• Technische Zeichnung / Technical drawing

Axiale Magnetisierung / Axial magnetization



Diametrale Magnetisierung / Diametrical magnetization



• Technische Spezifikationen / Technical specifications

Artikelnummer / Model	Ø in mm	Höhe	Güte	Haftkraft In kg	Gewicht	Magnetisierungsrichtung	Beschichtung
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 ⁸	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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Artikelnummer / Model	Ø in mm	Höhe	Güte	Haftkraft In kg	Gewicht	Magnetisi- erungsric- htung	Beschicht- ung
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

Artikelnummer / Model	Ø in mm	Höhe	Güte	Haftkraft In kg	Gewicht	Magnetisi- erungsric- htung	Beschicht- ung
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

- **Physikalische Eigenschaften / Physical properties**

Güte / Grade	Remanenz / Residual magnetism		Koerzitivfeldstärke / Coercive field strength				Energieprodukt / Energy product (BxH) max		Max. Einsatztem- peratur / Max. operation temp. °C
	Br		HcB		HcJ		MGOe	kJ/m³	
	kGs	mT	kOe	kA/m	kOe	kA/m			
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

- **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

- **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.woellner-magtec.de/sicherheitshinweise-magnete>

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

<https://www.woellner-magtec.de/sicherheitshinweise-magnete>