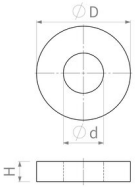
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Raw magnets of Neodymium-iron-boron (NdFeB)

Ring magnet of NdFeB, until 80°C



Article number	Quality	D mm	H mm	Adhesive force* N	Weight g	Temperature °C	Magnetisation	d mm
RM006NdRi99ng13	N45	$6^{+0.1}/_{-0.1}$	$2^{+0.1}/_{-0.1}$	7.6	0.4	80	axial	$2^{+0.1}/_{-0.1}$
RM008NdRi99ng21	N35	$8^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	5.5	1	80	axial	$4,5^{+0.1}/_{-0.1}$
RM008NdRi99ng23	N50	$8^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	24	2.1	80	axial	$2^{+0.1}/_{-0.1}$
RM010NdRi99ng21	N35	$10^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	12	1.4	80	axial	$4,5^{+0.1}/_{-0.1}$
RM010NdRi99ng25	N45	$10^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	17	1.4	80	axial	$6,5^{+0.1}/_{-0.1}$
RM012NdRi99ng22	N35	$12^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	18	2.2	80	axial	$4,5^{+0.1}/_{-0.1}$
RM012NdRi99ng27	N50	$12^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	32	4.5	80	axial	$4^{+0.1}/_{-0.1}$
RM012NdRi99ng28	N45	$12^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	17	1.7	80	axial	$7^{+0.1}/_{-0.1}$
RM015NdRi88ng01	N35	$15^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	30	3.8	80	2-pole	$8,2^{+0.1}/_{-0.1}$
RM015NdRi99ng23	N35	$15^{+0.1}/_{-0.1}$	$3,5^{+0.1}/_{-0.1}$	25	3.9	80	axial	$6^{+0.1}/_{-0.1}$
MNARm18x8x3_2P	N35	$18^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	42	4.1	80	2-pole	$8,2^{+0.1}/_{-0.1}$
RM020NdRi99ng32	N45	$20.8^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	55	7.4	80	axial	$14,8^{+0.1}/_{-0.1}$
RM020NdRi99ng01	N35	$19.8^{+0.1}/_{-0.1}$	$10^{+0.1}/_{-0.1}$	88	22	80	axial	$4,2^{+0.1}/_{-0.1}$
RM022NdRi99ng01	N40	$22^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	49	7.2	80	axial	$16,5^{+0.1}/_{0}$
RM024NdRi99ng08	N35	$24^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	68	11	80	axial	$9,5^{+0.1}/_{-0.1}$
MNARm26x10x3/2P	N40	$26^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	90	10	80	2-pole	$10^{+0.1}/_{-0.1}$
RM026NdRi99ng03	N45	$26^{+0.1}/_{-0.1}$	$9^{+0.1}/_{-0.1}$	154	28	80	axial	$12^{+0.1}/_{-0.1}$
MNARm32x10x2	N35	$32^{+0.2}/_{-0.2}$	$2^{+0.1}/_{-0.1}$	42	11	80	axial	$10,5^{+0.2}/_{-0.2}$
MNARm35x19x4.5	N35	$35^{+0.2}/_{-0.2}$	$4,5^{+0.1}/_{-0.1}$	110	23	80	axial	$19^{+0.2}/_{-0.2}$
MNARm38x12x4	N40	$38^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	110	30	80	axial	$12^{+0.1}/_{-0.1}$

Gewerbestraße 23 78739 Hardt T. +49 7422 9519-0 F. +49 7422 9519-22 E. info@brugger-magnet.de

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Article number	Quality	D mm	H mm	Adhesive force* N	Weight g	Temperature °C	Magnetisation	d mm
RM040NdRi99ng03	N40	$40^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	126	35	80	axial	$12{,}5^{+0.1}/_{-0.1}$
MNARm48x15x5	N35	$48^{+0.2}/_{-0.2}$	$5^{+0.1}/_{-0.1}$	165	61	80	axial	$15^{+0.1}/_{-0.1}$
MNARm56x15x6	N35	$56^{+0.2}/_{-0.2}$	$6^{+0.1}/_{-0.1}$	230	102	80	axial	$15^{+0.1}/_{-0.1}$

PRODUCT INFORMATION:

NdFeB magnets can be produced in almost every desired size and without tool costs. Even very small quantities are possible. To protect them from corrosion, they are nickel/copper/nickel (NiCuNi) coated. The specified temperature refers to the maximum operating temperature of the material. The resistance may be reduced due to the geometry.

Alternative to the standard we also offer individual solutions:

» customised dimensions
» modified directions of magnetisation
» other types of magnetisation
» further qualities up to N54
» increased operating temperatures up to 220°C
» self-adhesive on one side due to an additional film
» customer-specific forms (e.g. cubes, cones, balls, segments)
» other coatings (e.g. zinc-plated, gold-plated, epoxy-coated)

Magnetized via the height (H)

* The forces have been determined at room temperature on a polished plate made of steel (S235JR according to DIN 10 025) with a thickness of 10 mm (1kg~10N). A deviation of up to -10% from the specified value is possible in exceptional cases. In general, the value is exceeded. The type of application (installation situation, temperatures, counter anchors, etc.) sometimes influence the forces enormously. The values given are for orientation purposes. Let our experts advise you.

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