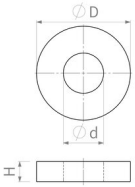
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Raw magnets of Neodymium-iron-boron (NdFeB)

Ring magnet made of NdFeB, up to max. 150°C



Article number	Quality	D mm	H mm	Adhesive force* N	Weight g	Temperature °C	Magnetisation	d mm
RM006NdRi99ng05	N40H	$6^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	4.5	0.6	120	axial	$2^{+0.1}/_{-0.1}$
RM012NdRi99ng33	N45SH	$12^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	26	2.2	150	axial	$4{,}5^{+0.1}/_{-0.1}$
RM038NdRi99ng05	N45SH	$38^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	137	31	150	axial	$12^{+0.1}/_{-0.1}$
RM048NdRi99ng05	N45SH	$48^{+0.1}/_{-0.1}$	$5^{+0.1}/_{-0.1}$	210	62	150	axial	$15^{+0.1}/_{-0.1}$
RM056NdRi99ng03	N45SH	$56^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	296	104	150	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

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

(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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