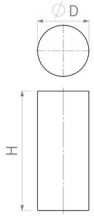
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Raw magnets of Neodymium-iron-boron (NdFeB)

Rod magnet made of NdFeB, up to 80°C



Article number	Quality	D mm	H mm	Adhesive force* N	Weight g	Temperature °C	Magnetisation
RM002NdSb99ng10	N35	$2^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	1	0.1	80	axial
RM002NdSb99ng29	N45	$2^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	1.6	0.1	80	axial
RM002NdSb99ng30	N45	$2^{+0.1}/_{-0.1}$	$8^{+0.1}/_{-0.1}$	1.7	0.2	80	axial
RM003NdSb99ng23	N48	$3^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	2.5	0.3	80	axial
RM003NdSb99ng44	N45	$3^{+0.1}/_{-0.1}$	$10^{+0.1}/_{-0.1}$	3.9	0.5	80	axial
RM003NdSb99ng43	N45	$3^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	3.6	0.3	80	axial
MNASm4x5	N35	$4^{+0.1}/_{-0.1}$	$5^{+0.1}/_{-0.1}$	3.5	0.5	80	axial
RM004NdSb99ng41	N45	$4^{+0.1}/_{-0.1}$	$5^{+0.1}/_{-0.1}$	6	0.5	80	axial
RM004NdSb99ng42	N45	$4^{+0.1}/_{-0.1}$	$10^{+0.1}/_{-0.1}$	6.9	0.9	80	axial
RM004NdSb99ng43	N45	$4^{+0.1}/_{-0.1}$	$15^{+0.1}/_{-0.1}$	7	1.4	80	axial
RM004NdSb99ng44	N45	$4^{+0.1}/_{-0.1}$	$20^{+0.1}/_{-0.1}$	7.1	1.9	80	axial
RM005NdSb99ng83	N45	$5^{+0.1}/_{-0.1}$	$10^{+0.1}/_{-0.1}$	10	1.5	80	axial
RM005NdSb99ng84	N45	$5^{+0.1}/_{-0.1}$	$15^{+0.1}/_{-0.1}$	11	2.2	80	axial
RM005NdSb99ng75	N45	$5^{+0.1}/_{-0.1}$	$20^{+0.1}/_{-0.1}$	11	2.9	80	axial
RM006NdSb99ng56	N45	$6^{+0.1}/_{-0.1}$	$10^{+0.1}/_{-0.1}$	14	2.1	80	axial
RM006NdSb99ng57	N45	$6^{+0.1}/_{-0.1}$	$15^{+0.1}/_{-0.1}$	14	3.1	80	axial
RM006NdSb99ng58	N45	$6^{+0.1}/_{-0.1}$	$25^{+0.1}/_{-0.1}$	15	5.3	80	axial
RM008NdSb99ng48	N45	$8^{+0.1}/_{-0.1}$	$10^{+0.1}/_{-0.1}$	26	3.8	80	axial
RM008NdSb99ng49	N45	$8^{+0.1}/_{-0.1}$	$20^{+0.1}/_{-0.1}$	27	7.5	80	axial
RM008NdSb99ng50	N45	$8^{+0.1}/_{-0.1}$	$30^{+0.1}/_{-0.1}$	28	11	80	axial

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
RM010NdSb99ng99	N45	$10^{+0.1}/_{-0.1}$	$20^{+0.1}/_{-0.1}$	44	12	80	axial
RM010NdSb99ng9A	N45	$10^{+0.1}/_{-0.1}$	$30^{+0.1}/_{-0.1}$	45	18	80	axial
RM010NdSb99ng9B	N45	$10^{+0.1}/_{-0.1}$	$40^{+0.1}/_{-0.1}$	46	24	80	axial

PRODUCT NOTE:

NdFeB magnets can be produced in almost any desired dimensions and without tooling costs. Small quantities are therefore also possible. They are nickel-copper-nickel (NiCuNi) coated to protect against corrosion. The specified temperature refers to the maximum operating temperature of the material. However, the resistance may be reduced due to the geometry.

As an alternative to the standard, we also offer customised solutions:

" Customer-specific dimensions

" Changed magnetisation direction

" Other types of magnetisation

" Other qualities up to N54

" Increased operating temperature up to 220°C

" Customer-specific shapes (e.g. cube, cone, etc.).e.g. cube, cone, sphere, segments)

" other coatings (e.g. galvanised, gold-plated, epoxy-coated)

Magnetised by 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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