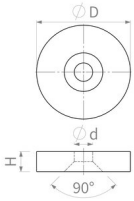
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Raw magnets of Neodymium-iron-boron (NdFeB)

Ring magnet made of NdFeB, with countersink, up to 80°C



Article number	Quality	D mm	d mm	H mm	Adhesive force* N	Weight g	Temperature °C	Magnetisation
RM008NdRi99ng08	N35	$8^{+0.1}/_{-0.1}$	$2{,}6^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	7	0.9	80	axial
RM010NdRi99ng12	N35	$10^{+0.1}/_{-0.1}$	$3{,}5^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	11	1.4	80	axial
MNARm12x3.5x3	N35	$12^{+0.1}/_{-0.1}$	$3{,}5^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	18	2.2	80	axial
MNARm15x4.5x3.5	N35	$15^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$3{,}5^{+0.1}/_{-0.1}$	29	3.7	80	axial
MNARm15x4x3_2P	N35	$15^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$3{,}5^{+0.1}/_{-0.1}$	36	4	80	2-pole
RM015NdRi99ng30	N35	$15^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	30	4.4	80	axial
RM017NdRi99ng00	N48	$17^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$5^{+0.1}/_{-0.1}$	50	7.6	80	axial
MNARm18x4.5x4	N35	$18^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	41	6.5	80	axial
RM020NdRi88ng01	N35	$20^{+0.1}/_{-0.1}$	$3{,}5^{+0.1}/_{-0.1}$	$3^{+0.1}/_{-0.1}$	52	6.6	80	2-pole
RM023NdRi99ng09	N35	$23^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	65	12	80	axial
RM024NdRi99ng20	N35	$24^{+0.1}/_{-0.1}$	$5{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	66	14	80	axial
RM027NdRi99ng04	N35	$27^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	80	16	80	axial
RM034NdRi99ng01	N35	$34^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	100	26	80	axial
RM040NdRi99ng02	N40	$40^{+0.1}/_{-0.1}$	$11{,}5^{+0.5}/_{-0.5}$	$4^{+0.1}/_{-0.1}$	130	34	80	axial
RM042NdRi99ng02	N35	$42^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$4^{+0.1}/_{-0.1}$	120	41	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. Due to the geometry, the resistance may be reduced.

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

" customer-specific dimensions

" modified magnetisation direction

" other types of magnetisation

" other qualities up to N54

" increased operating temperature up to 220°C

" self-adhesive on one side with additional foil

" customer-specific shapes (e.g. cubes, cones, 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.