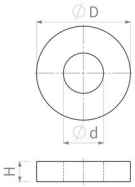
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Raw magnets of Neodymium-iron-boron (NdFeB)

Ring magnet made of NdFeB, up to 80°C



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

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

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.

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