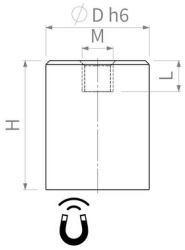
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Bar magnets of Neodymium-iron-boron (NdFeB)

Deep pot magnet made of NdFeB, brass housing, with internal thread and fit tolerance h6



Article number	D mm	H mm	Thread MxL	Distance mm	Adhesive force* N	Weight g	Temperature °C
SG-6-Nd/h6M3x5	6 (h6)	$20^{+0.2}/_{-0.2}$	M3x5	1.5	10	4	80
SG-8-Nd/h6M3x5	8 (h6)	$20^{+0.2}/_{-0.2}$	M3x5	1.5	25	7.5	80
SG-10-Nd/h6M4x7	10 (h6)	$20^{+0.2}/_{-0.2}$	M4x7	2	45	11	80
SG-13-Nd/h6M4x7	13 (h6)	$20^{+0.2}/_{-0.2}$	M4x7	2.5	70	19.5	80
SG-16-Nd/h6M4x8	16 (h6)	$25^{+0.2}/_{-0.2}$	M4x8	3	150	38	80
SG-20-Nd/h6M6x6	20 (h6)	$25^{+0.2}/_{-0.2}$	M6x6	4	280	58	80
SG-25-Nd/h6M6x8	25 (h6)	$35^{+0.3}/_{-0.3}$	M6x8	5	450	130	80
SG-32-Nd/h6M6x6	32 (h6)	$40^{+0.3}/_{-0.3}$	M6x6	6	700	243	80

PRODUCT INFORMATION:

The NdFeB deep pot magnets are coloured blue on the holding surface to distinguish them from the otherwise identical SmCo series. When the deep pot magnet is installed directly in iron, the holding force is reduced by up to 15% due to magnetic short circuits. To avoid this, certain distances must be maintained between the brass sheath of the deep pot magnet and the iron. The distances to the iron must also be maintained if the deep pot magnet has been shortened by dimension A. The recommended distances can be found in the column below (distance mm).

The holding surface is ground and therefore not galvanised.

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

" Housing made of stainless steel

" Housing completely galvanised for better corrosion protection

" Higher holding force

" Higher operating temperature up to 280 °C

" Pole shoes made of stainless steel

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

* 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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