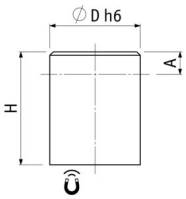
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Bar magnets of Neodymium-iron-boron (NdFeB)

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



Article number	D mm	H mm	A[1] mm	Distance mm	Adhesive force* N	Weight g	Temperature °C
SG-6-Nd/h6	6 (h6)	$20^{+0.2}/_{-0.2}$	10	1.5	10	4.5	80
SG-8-Nd/h6	8 (h6)	$20^{+0.2}/_{-0.2}$	10	1.5	25	8	80
SG-10-Nd/h6	10 (h6)	$20^{+0.2}/_{-0.2}$	8	2	45	12	80
SG-13-Nd/h6	13 (h6)	$20^{+0.2}/_{-0.2}$	6	2.5	70	20	80
SG-16-Nd/h6	16 (h6)	$20^{+0.2}/_{-0.2}$	2	3	150	30	80
SG-20-Nd/h6	20 (h6)	$25^{+0.2}/_{-0.2}$	5	4	280	59	80
SG-25-Nd/h6	25 (h6)	$35^{+0.3}/_{-0.3}$	7	5	450	132	80
SG-32-Nd/h6	32 (h6)	$40^{+0.3}/_{-0.3}$	4.5	6	700	246	80

PRODUCT NOTE:

To distinguish them from the otherwise identical SmCo series, the NdFeB deep pot magnets are coloured blue on the holding surface. 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 from the brass shell of the deep pot magnet to the iron must be maintained. The distances to the iron must also be observed if the deep pot magnet has been shortened by the 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 we also offer individual 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

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[1] Max. length by which the deep pot magnet can be shortened or machined without damaging it.

* 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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