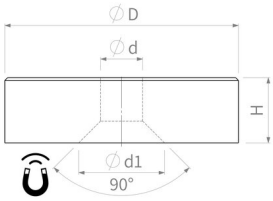
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

Flat pot magnets of Neodymium-iron-boron (NdFeB)

Pot magnets made of NdFeB, steel housing, with bore and countersink, galvanised, up to 150 ° C



Article number	D mm	d mm	d1 mm	H mm	Adhesive force* N	Weight g	Temperature °C
FG016NdC-00v-25	$16^{+0.1}/_{-0.1}$	$3{,}5^{+0.1}/_{-0.1}$	$6{,}6^{+1}/_{0}$	$4{,}5^{+0.1}/_{-0.1}$	83	6	150
FG020NdC-00v-21	$20^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$9^{+1}/_{0}$	$6^{+0.1}/_{-0.1}$	133	13	150
FG025NdC-00v-28	$25^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	$9^{+1}/_{0}$	$7^{+0.2}/_{-0.2}$	205	24	150
FG032NdC-00v-24	$32^{+0.1}/_{-0.1}$	$5{,}5^{+0.1}/_{-0.1}$	$11^{+1}/_{0}$	$7^{+0.2}/_{-0.2}$	350	39	150

PRODUCT INFORMATION:

Pot magnets score points with their unique combination of strong adhesive force and compact design. A **galvanised metal pot** reinforces the magnetic flux so that even small magnets can achieve remarkable performance. The free holding surface enables flexible application. Pot magnets are ideal for industrial applications, such as transporting steel and iron workpieces. In this function, they are often referred to as "flat pot magnets". They have a hole and countersink for secure fastening and are **temperature-resistant up to 150°C**.

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

" Black galvanised surface for housing, resulting in higher corrosion resistance (up to 720 hours in a salt spray test - depending on the magnet material)

The housings are manufactured from flat material (steel strip) using tensile pressure forming in accordance with DIN 8584 and then turned to height. This 2-stage production method allows fast and cost-effective production. This manufacturing process is characterised by rounded corners or edges.
* 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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