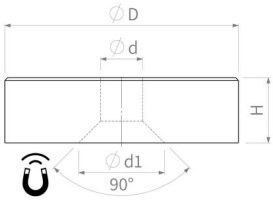
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

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

Pot magnets made of NdFeB, stamped steel housing, with hole and countersink, galvanised



Article number	D mm	d mm	d1 mm	H mm	Adhesive force* N	Weight g	Temperature °C
FG016NdC-00v-11	$16^{+0.2}/_{-0.2}$	$3{,}5^{+0.2}/_{-0.2}$	$6{,}6^{+0.7}/_{0}$	$4{,}5^{+0.2}/_{-0.1}$	65	5.5	80
FG020NdC-00v-13	$20^{+0.2}/_{-0.2}$	$4{,}5^{+0.1}/_{-0.1}$	$9{,}3^{+0.05}/_{0}$	$6^{+0.2}/_{-0.1}$	108	11	80
FG025NdC-00v-19	$25^{+0.3}/_{-0.3}$	$5{,}5^{+0.3}/_{-0.3}$	$11^{+1}/_{0}$	$7^{+0.3}/_{-0.3}$	150	21	80
FG032NdC-00v-21	$32^{+0.3}/_{-0.3}$	$5{,}5^{+0.3}/_{-0.3}$	$11^{+1}/_{0}$	$7^{+0.3}/_{-0.3}$	330	34	80
FG047NdC-00v-00	$47^{+0.2}/_{-0.1}$	$8{,}5^{+0.1}/_{-0.1}$	$17{,}3^{+1}/_{0}$	$9{,}2^{+0.2}/_{-0.3}$	740	97	80

PRODUCT NOTICE:

Imagine this: You need to transport heavy metal parts, but you don't have the necessary tools. This is where pot magnets come into play! This clever design uses a **galvanised, stamped metal pot** to increase the magnetic flux and thus achieve an amazing holding force. Even small magnets can effortlessly lift heavy loads. In industry, pot magnets are often used as "flat pot magnets", as their flat design creates ideal conditions for transporting steel and iron workpieces. The practical **drilling and countersinking** of the magnet system enables secure fastening.

As an alternative to the standard, 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. Rounded corners or edges are characteristic of this manufacturing process.
* 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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