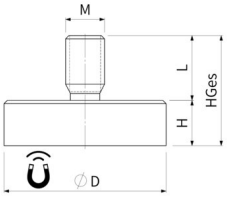
BRUGGER MAGNETSYSTEME

PRODUKTDATENBLATT

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

Pot magnets made of NdFeB, steel housing, with external thread, galvanised, up to 150 ° C



Article number	D mm	H mm	HGes mm	Thread MxL	Adhesive force* N	Weight g	Temperature °C
FG010NdAG04v-30	$10^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	12,5	M4x8	33	3	150
FG013NdAG05v-24	$13^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	12,5	M5x8	75	5	150
FG016NdAG06v-30	$16^{+0.1}/_{-0.1}$	$4{,}5^{+0.1}/_{-0.1}$	12,5	M6x8	110	8	150
FG020NdAG06v-23	$20^{+0.1}/_{-0.1}$	$6^{+0.1}/_{-0.1}$	16	M6x10	172	15	150
FG025NdAG06v-21	$25^{+0.1}/_{-0.1}$	$7^{+0.2}/_{-0.2}$	17	M6x10	233	27	150
FG032NdAG06v-24	$32^{+0.1}/_{-0.1}$	$7^{+0.2}/_{-0.2}$	17	M6x10	400	42	150

PRODUCT INFORMATION:

Pot magnets are characterised by their unique way of functioning:

Their adhesive force is reinforced by a metal pot. The magnetic core is located inside the pot, leaving the holding surface free. By changing the magnetic flux in the pot itself, the force of the magnet is increased, so that even relatively small magnets develop a strong adhesive force. This versatility makes pot magnets suitable for use in many areas, for example as gripper magnets in industry for transporting steel and iron workpieces. For this reason, they are often referred to as "flat pot magnets".

This **galvanised version** has an **external thread** and can also be **used at temperatures of 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)

[1] Housing punched from steel strip, rear edge with radius

* 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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