

Data sheet article FE-S-05-05

Technical data and application safety

Webcraft GmbH
Industriepark 206
78244 Gottmadingen, Germany

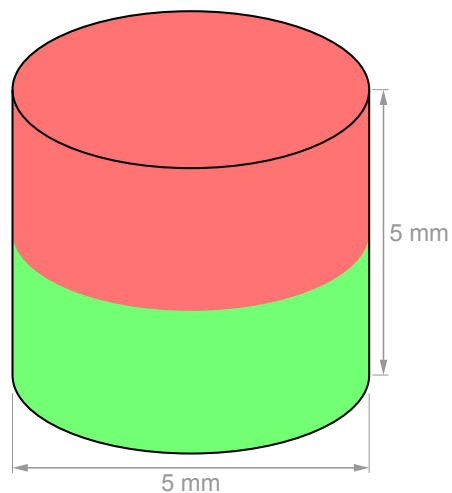
Phone: +49 7731 939 839 1

www.supermagnete.ee
support@supermagnete.ee

1. Technical information

Disc magnet Ø 5 mm, height 5 mm, holds approx. 100 g, ferrite, Y35, no coating

Article ID	FE-S-05-05
EAN	7640155431972
Material	Ferrite
Shape	Disc
Diameter	5 mm(+/- 0,1 mm)
Height	5 mm(+/- 0,1 mm)
Direction of magnetisation	axial (parallel to height)
Coating	No coating
Manufacturing method	sintered
Magnetisation	Y35
Strength	approx. 100 g (approx. 0,981 N)
Displacement force	approx. 20 g (approx. 0,196 N)
Max. working temperature	250°C
Colour	Grey
Weight	0,4761 g
Curie temperature	450 °C
Residual magnetism Br	4000-4100 G, 0.40-0.41 T
Coercive field strength bHc	2.20-2.45 kOe, 175-195 kA/m
Coercive field strength iHc	2.26-2.51 kOe, 180-200 kA/m
Energy product (BxH)max	3.8-4.0 MGOe, 30.0-32.0 kJ/m ³




Product compliant with the latest European RoHS directive.



Product compliant with the latest European REACH regulation.


2. Safety tips


<p>Danger</p> 	<p>Swallowing</p>
	<p>Children could swallow small magnets. If several magnets are swallowed, they could get stuck in the intestine and cause perilous complications.</p>
	<p>Magnets are not toys! Make sure that children don't play with magnets.</p>


Danger	Electrical conductivity
	Magnets are made of metal and conduct electricity. Children might try to put magnets into a power outlet and thereby suffer from an electric shock.
	Magnets are not toys! Make sure that children don't play with magnets.

3. Handling and storing


Caution	Magnetic field
	Magnets produce a far-reaching, strong magnetic field. They could damage TVs and laptops, computer hard drives, credit and ATM cards, data storage media, mechanical watches, hearing aids and speakers.
	<ul style="list-style-type: none"> • Keep magnets away from devices and objects that could be damaged by strong magnetic fields. • Please refer to our table of recommended distances: www.supermagnete.ee/eng/faq/distance


Notice	Influence on people
	According to the current level of knowledge, magnetic fields of permanent magnets do not have a measurable positive or negative influence on people. It is unlikely that permanent magnets constitute a health risk, but it cannot be ruled out entirely.
	<ul style="list-style-type: none"> • For your own safety, avoid constant contact with magnets. • Store large magnets at least one metre away from your body.

Notice	Temperature resistance
	Ferrite magnets can be used at temperatures between -40°C and 250°C. At lower and higher temperatures they lose part of their adhesive force permanently.
	Don't use ferrite magnets in places where they are exposed to temperatures below -40°C or above 250°C.

Notice	Mechanical treatment
	Ferrite magnets are brittle. When drilling or sawing a magnet with improper tools, the magnet may break.
	Stay away from mechanical treatment of magnets if you do not possess the necessary equipment and experience.

4. Transportation tips

Caution	Airfreight
	Magnetic fields of improperly packaged magnets could influence airplane navigation devices. In the worst case it could lead to an accident.
	<ul style="list-style-type: none"> • Airfreight magnets only in packaging with sufficient magnetic shielding. • Please refer to the respective regulations: www.supermagnete.ee/eng/faq/airfreight

Caution	Postage
	Magnetic fields of improperly packaged magnets could cause disturbances in sorting machines and damage fragile goods in other packages.
	<ul style="list-style-type: none"> • Please refer to our shipping tips: www.supermagnete.ee/eng/faq/shipping • Use a large box and place the magnet in the middle surrounded by lots of padding material. • Arrange magnets in a package in a way that the magnetic fields neutralise each other. • If necessary, use sheet iron to shield the magnetic field. • There are stricter rules for airfreight: Refer to the warning notice "Airfreight".

TARIC-Code: 8505 1910 90 0

Origin: China

For more information about magnets please review
<https://www.supermagnete.ee/eng/faqs>.

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