

Data sheet article FE-S-20-03

Technical data and application safety

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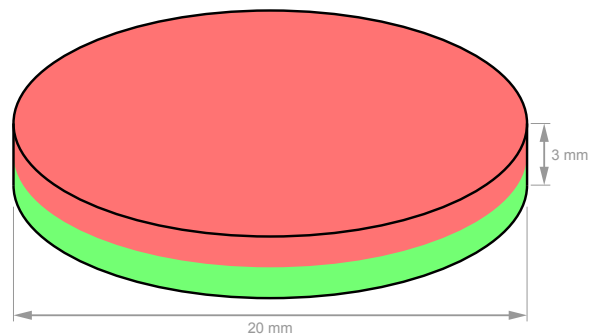
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1. Technical information

Disc magnet Ø 20 mm, height 3 mm, holds approx. 400 g, ferrite, Y35, no coating

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| Article ID | FE-S-20-03 |
| EAN | 7640155432054 |
| Material | Ferrite |
| Shape | Disc |
| Diameter | 20 mm(+/- 0,1 mm) |
| Height | 3 mm(+/- 0,1 mm) |
| Direction of magnetisation | axial (parallel to height) |
| Coating | No coating |
| Manufacturing method | sintered |
| Magnetisation | Y35 |
| Strength | approx. 400 g (approx. 3,92 N) |
| Displacement force | approx. 80 g (approx. 0,785 N) |
| Max. working temperature | 250°C |
| Colour | Grey |
| Weight | 4,5710 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

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| <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> |

3. Handling and storing

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| 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.gr/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

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| 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.gr/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.gr/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.gr/faqs>.

Last update: 21/11/2024