

Data sheet article CSF-48

Technical data and application safety

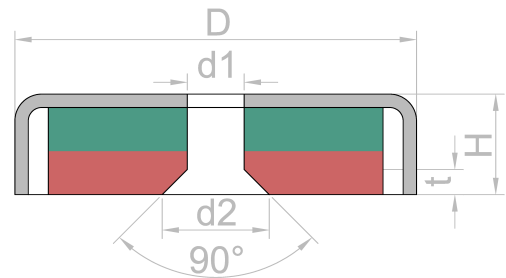
Webcraft GmbH
 Industriepark 206
 78244 Gottmadingen, Germany

Phone: +49 7731 939 839 2

www.supermagnete.de
 support@supermagnete.de

1. Technical information

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| Article ID | CSF-48 |
| EAN | 7640155431552 |
| Material | Ferrite |
| Strength | approx. 23 kg (approx. 226 N) |
| Displacement force | approx. 4,6 kg (approx. 45,1 N) |
| Pot diameter D | 48 mm |
| Pot height H | 11,5 mm |
| Hole d1 | 8,5 mm |
| Hole d2 | 18,12 mm |
| Countersink t | 4,81 mm |
| Magnetisation | Y30BH |
| Coating | nickel-coated (Ni-Cu-Ni) |
| Max. working temperature | 50°C |
| Tolerance | +/- 0,1 mm |
| Steel | Q235 (China) |
| Weight | 111,0000 g |





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> |
| <p>Warning</p>  | <p>Contusions</p> <p>Big magnets have a very strong attractive force. Unsafe handling could cause jamming of fingers or skin in between magnets. This may lead to contusions and bruises.</p> <p>Wear heavy protective gloves when handling larger magnets.</p> |


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| Warning | Pacemaker |
|  | <p>Magnets could affect the functioning of pacemakers and implanted heart defibrillators.</p> <ul style="list-style-type: none"> • A pacemaker could switch into test mode and cause illness. • A heart defibrillator may stop working. <p>• If you wear these devices keep sufficient distance to magnets: www.supermagnete.de/eng/faq/distance</p> <ul style="list-style-type: none"> • Warn others who wear these devices from getting too close to magnets. |


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| Warning | Heavy objects |
|  | <p>Too heavy loads, symptoms of fatigue as well as material defect could cause a magnet or magnetic hook to loosen from the surface that it was attached to.</p> <p>Falling objects could lead to serious injuries.</p> <ul style="list-style-type: none"> • The indicated adhesive force applies only to ideal conditions. Allow for a high safety cushion. • Don't use magnets in places where people could sustain injuries in case of material failure. |

3. Handling and storing


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| Caution | Magnetic field |
|  | <p>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.</p> <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.de/eng/faq/distance |


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| Notice | Influence on people |
|  | <p>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.</p> <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. |

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

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

4. Transportation tips

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

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| <p>Caution</p>  | <p>Postage</p> <p>Magnetic fields of improperly packaged magnets could cause disturbances in sorting machines and damage fragile goods in other packages.</p> <ul style="list-style-type: none"> • Please refer to our shipping tips: www.supermagnete.de/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". |
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TARIC-Code: 8505 1100 99 0

Origin: China

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

Last update: 16/12/2019