

# Data sheet article CSF-48

## Technical data and application safety

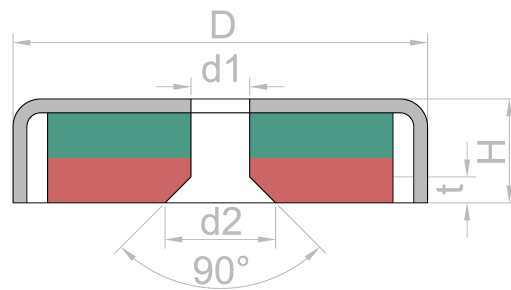
Webcraft GmbH  
 Industriepark 206  
 78244 Gottmadingen, Germany

Phone: +49 7731 939 839 2

www.supermagnete.fr  
 support@supermagnete.fr

### 1. Technical information

|                          |                                 |
|--------------------------|---------------------------------|
| 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><b>Danger</b></p>   | <p><b>Swallowing</b></p> <p>Children could swallow small magnets.<br/>         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><b>Warning</b></p>  | <p><b>Contusions</b></p> <p>Big magnets have a very strong attractive force.<br/>         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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| <b>Warning</b>                                                                    | <b>Pacemaker</b>                                                                                                                                                                                                                                                                                   |
|  | <p>Magnets could affect the functioning of pacemakers and implanted heart defibrillators.</p> <ul style="list-style-type: none"> <li>• A pacemaker could switch into test mode and cause illness.</li> <li>• A heart defibrillator may stop working.</li> </ul>                                    |
|                                                                                   | <ul style="list-style-type: none"> <li>• If you wear these devices keep sufficient distance to magnets: <a href="http://www.supermagnete.fr/eng/faq/distance">www.supermagnete.fr/eng/faq/distance</a></li> <li>• Warn others who wear these devices from getting too close to magnets.</li> </ul> |


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| <b>Warning</b>                                                                    | <b>Heavy objects</b>                                                                                                                                                                                                                                        |
|  | <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"> <li>• The indicated adhesive force applies only to ideal conditions. Allow for a high safety cushion.</li> <li>• Don't use magnets in places where people could sustain injuries in case of material failure.</li> </ul> |

### 3. Handling and storing


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| <b>Caution</b>                                                                    | <b>Magnetic field</b>                                                                                                                                                                                                                                                                                         |
|  | <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"> <li>• Keep magnets away from devices and objects that could be damaged by strong magnetic fields.</li> <li>• Please refer to our table of recommended distances: <a href="http://www.supermagnete.fr/eng/faq/distance">www.supermagnete.fr/eng/faq/distance</a></li> </ul> |


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| <b>Notice</b>                                                                       | <b>Influence on people</b>                                                                                                                                                                                                                                       |
|  | <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"> <li>• For your own safety, avoid constant contact with magnets.</li> <li>• Store large magnets at least one metre away from your body.</li> </ul>                                                                             |

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| <b>Notice</b>                                                                       | <b>Temperature resistance</b>                                                                                                                                           |
|  | <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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| <b>Notice</b>                                                                       | <b>Mechanical treatment</b>                                                                                            |
|  | <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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| <b>Caution</b>                                                                      | <b>Airfreight</b>                                                                                                                                                                                                                                                                      |
|  | <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"> <li>• Airfreight magnets only in packaging with sufficient magnetic shielding.</li> <li>• Please refer to the respective regulations: <a href="http://www.supermagnete.fr/eng/faq/airfreight">www.supermagnete.fr/eng/faq/airfreight</a></li> </ul> |

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| <p><b>Caution</b></p>  | <p><b>Postage</b></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"><li>• Please refer to our shipping tips: <a href="http://www.supermagnete.fr/eng/faq/shipping">www.supermagnete.fr/eng/faq/shipping</a></li><li>• Use a large box and place the magnet in the middle surrounded by lots of padding material.</li><li>• Arrange magnets in a package in a way that the magnetic fields neutralise each other.</li><li>• If necessary, use sheet iron to shield the magnetic field.</li><li>• There are stricter rules for airfreight: Refer to the warning notice "Airfreight".</li></ul> |
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**TARIC-Code:** 8505 1910 90 0

**Origin:** China

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

**Last update:** 30/01/2023