

## Data sheet article CSF-40

### Technical data and application safety

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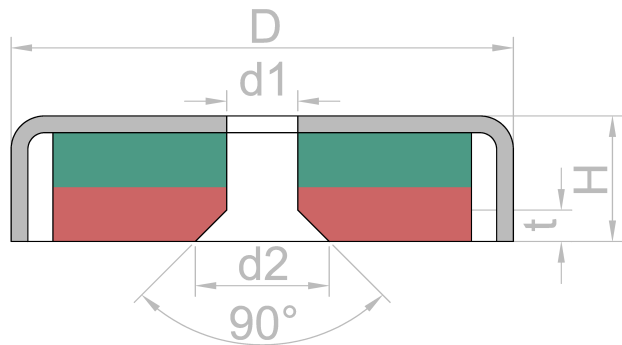
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## 1. Technical information

Ferrite pot magnet Ø 40 mm with countersunk hole, holds approx. 16 kg

Article ID	CSF-40
EAN	7640155431545
Material	Ferrite
Strength	approx. 16 kg (approx. 157 N)
Displacement force	approx. 3,2 kg (approx. 31 N)
Colour	Silver-coloured
Pot diameter D	40 mm
Pot height H	8 mm
Hole d1	5,5 mm
Hole d2	11,7 mm
Countersink t	3,1 mm
Magnetisation	Y30BH
Coating	Nickel-coated (Ni-Cu-Ni)
Max. working temperature	50 °C
Tolerance	+/- 0,1 mm
Thread size	Without thread
Design	With countersunk hole
Shape	Disc
Steel	Q235 (China)
Weight	50,0000 g





Product compliant with the latest European RoHS directive.





Product compliant with the latest European REACH regulation.

## 2. Safety tips


<p><b>Danger</b></p> 	<p><b>Swallowing</b></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>


<b>Warning</b> 	<p><b>Contusions</b></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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<b>Warning</b> 	<p><b>Pacemaker</b></p> <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> <li>• If you wear these devices keep sufficient distance to magnets: <a href="http://www.supermagnete.de/eng/faq/distance">www.supermagnete.de/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> 	<p><b>Heavy objects</b></p> <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. 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>
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### 3. Handling and storing



<b>Caution</b> 	<p><b>Magnetic field</b></p> <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.de/eng/faq/distance">www.supermagnete.de/eng/faq/distance</a></li> </ul>
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<b>Notice</b> 	<p><b>Influence on people</b></p> <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> 	<p><b>Temperature resistance</b></p> <p>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.</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> 	<p><b>Mechanical treatment</b></p> <p>Ferrite magnets are brittle. 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>
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## 4. Transportation tips

<p><b>Caution</b></p> 	<p><b>Airfreight</b></p> <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.de/eng/faq/airfreight">www.supermagnete.de/eng/faq/airfreight</a></li></ul>
<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.de/eng/faq/shipping">www.supermagnete.de/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>

**TARIC-Code:** 8505 1910 90 0

**Origin:** China

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

**Last update:** 23/01/2025