

## Application No. 111: Protection of big magnets

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**Strong, but vulnerable: This protection provides a remedy**

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### Huge magnet in aluminum casing

I have a S-45-30-N ([www.supermagnete.de/eng/S-45-30-N](http://www.supermagnete.de/eng/S-45-30-N)) disc magnet, which is really awesome. Unfortunately, you have to be terribly careful it doesn't crash into things and get deformed.



That's why I came up with the following: I glued it into a self-made aluminium box.

Apply UHU Plus Endfest generously, that works!

*Note from the supermagnete team: Since 2015 we sell the adhesive UHU MAX REPAIR ([www.supermagnete.de/eng/WS-ADH-01](http://www.supermagnete.de/eng/WS-ADH-01)) instead.*



If the disc magnet wants to "meet" steel beams or other magnets now, it's all good :-)

On this picture you can see new "bruises", but they won't do anything to the protected magnet anymore.



### Disc magnet as a door opener

Here is a practical application where I glued a disc magnet ([www.supermagnete.de/eng/S-20-10-N](http://www.supermagnete.de/eng/S-20-10-N)) into a small aluminium box, which is connected to a chain and holds open (self-closing) our door to the heating room!



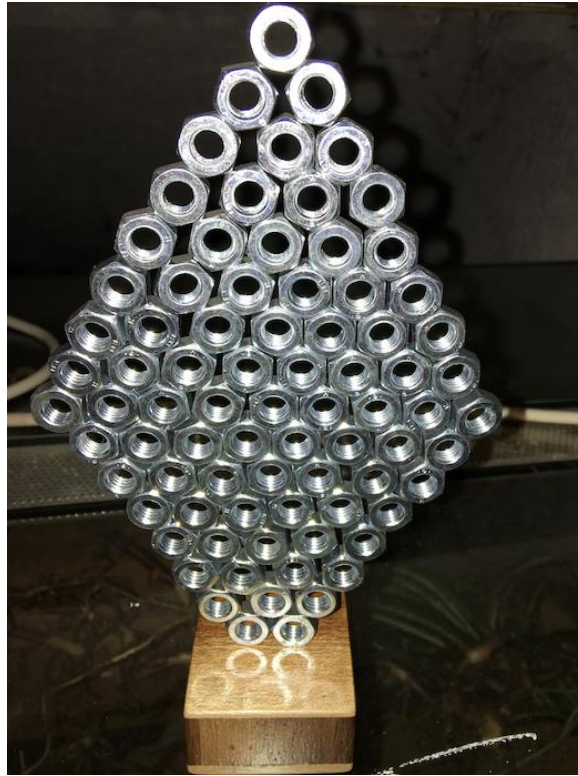
Another case of: Not pretty, but very practical!



### Alternative: Huge magnet with wood cover

Our customer Christoph Müller from Switzerland had another idea for protecting strong magnets: He glued a COLOSSUS ([www.supermagnete.de/eng/Q-40-40-20-N](http://www.supermagnete.de/eng/Q-40-40-20-N)) into a cover of very thin nutwood. The cover is treated with varnish. The attractive force of the magnet is still immense as you can see on a photo of one of his sculptures. You still have to expect scratches and dents on the wooden surface if the magnet is used heavily.





### **Another option: Huge magnet in a bicycle inner tube**

This practical application from a customer reached us via Instagram. He covered the DEATH MAGNET ([www.supermagnete.de/eng/Q-51-51-25-N](http://www.supermagnete.de/eng/Q-51-51-25-N)) with two pieces of bicycle inner tubing to prevent it from chipping. This is a quick solution for a protective sleeve around the magnet that doesn't require glue. The tubing can be easily removed if necessary. We give this idea a thumbs up!



**Articles used**

1 x S-45-30-N: Disc magnet Ø 45 mm, height 30 mm ([www.supermagnete.de/eng/S-45-30-N](http://www.supermagnete.de/eng/S-45-30-N))

1 x S-20-10-N: Disc magnet Ø 20 mm, height 10 mm ([www.supermagnete.de/eng/S-20-10-N](http://www.supermagnete.de/eng/S-20-10-N))

1 x WS-ADH-01: UHU MAX REPAIR ([www.supermagnete.de/eng/WS-ADH-01](http://www.supermagnete.de/eng/WS-ADH-01))

1 x Q-40-40-20-N: Block magnet 40 x 40 x 20 mm ([www.supermagnete.de/eng/Q-40-40-20-N](http://www.supermagnete.de/eng/Q-40-40-20-N))

1 x Q-51-51-25-N: Block magnet 50,8 x 50,8 x 25,4 mm ([www.supermagnete.de/eng/Q-51-51-25-N](http://www.supermagnete.de/eng/Q-51-51-25-N))

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