

Application No. 548: Closing a closet door with magnets

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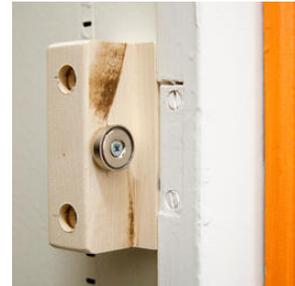
How to reliably keep doors closed

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Version 1: Lock casing as counterpart

We found a pretty and simple closet-closing solution in our main office in Uster:

We screwed a pot magnet 20 mm (www.supermagnete.de/eng/CSN-20) on a piece of wood, but didn't tighten the screw all the way, so that the magnet remains slightly movable. This makes for a solid contact, even when the magnet doesn't meet the counterpart all the way vertically.



Then we screwed the piece of wood to the inside of the closet.

Our counterpart is the iron lock casing on the inside of the door. We sanded down the paint for better contact.



When you close the closet door, the magnet and the lock casing connect perfectly. The clicking sound it makes is very satisfying :-).

Tip: If the lock casing of your closet is not made of iron, you can glue or screw a metal disc of the same size on the closet door as a counterpart. The suitable products are linked below.

Thanks to this solution we were able to attach big handles to the closet door, which makes opening the doors much easier than using a key, which we don't need anymore.

The sturdy handles are necessary, because the doors can only be opened with a jerk now. Pot magnets CSN-ES-16 (www.supermagnete.de/eng/CSN-ES-16) would probably be sufficient, as long as magnet and lock casing have direct contact.



The solution proved to be worthwhile - it is maintenance-free and never fails to surprise our visitors.

You can find more on the topic of doors in our FAQ Which magnets are suitable for doors and closet doors? (www.supermagnete.de/eng/faq/door).

Version 2: Sheet iron as counterpart

Addition from Andres Bühler, Freiamt (Germany):

All the latches of my three wardrobe doors broke over time. To keep the doors shut, I replaced the latches with CSN-13 (www.supermagnete.de/eng/CSN-13) pot magnets - two per door are sufficient.

I screwed sheet iron on the top and on the bottom of the wardrobe to which countersunk pot magnets stick tightly at direct contact. As a spacer I screwed a CSN-13 (www.supermagnete.de/eng/CSN-13) countersunk pot magnet with a nut and a washer on the top of the wardrobe door. I left the old fittings where they were and just attached the magnetic system beside them.

On the bottom edge of the wardrobe door I screwed the CSN-13 directly to the wardrobe door. I just attached the sheet steel angle to the magnet on the bottom, closed the door, and then screwed the sheet iron on the bottom of the wardrobe accordingly.

I left the keys in the locks, so I can still use them as handles to open and close the doors. The 3 kg adhesive force of the CSN-13 works well. Smaller magnets would be too weak for this application.

You can find magnets especially for furniture and doors in our assortment:

Articles used

CSN-20: Countersunk pot magnet Ø 20 mm (www.supermagnete.de/eng/CSN-20)

MD-23: Metal disc with counterbore Ø 23 mm (www.supermagnete.de/eng/MD-23)

PAS-20: Metal disc self-adhesive Ø 20 mm (www.supermagnete.de/eng/PAS-20)

MSD-21: Metal disc with an edge and counterbore M3 (www.supermagnete.de/eng/MSD-21)

ZTN-20: Pot magnet with cylindrical borehole (www.supermagnete.de/eng/ZTN-20)

CSN-13: Countersunk pot magnet Ø 13 mm (www.supermagnete.de/eng/CSN-13)

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