**Application No. 548: Closing a closet door with magnets**

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**How to reliably keep doors closed**

**Pot magnet inside a closet**

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

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

We screwed the piece of wood to the inside of the closet.

**Counterpart: Lock casing**

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.

**Easy to open and close**

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.it/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.it/eng/faq/door).
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www.supermagnete.it/eng/project548

Articles used
CSN-20: Countersunk pot magnet (www.supermagnete.it/eng/CSN-20)
MD-23: Metal disc with countersunk borehole (www.supermagnete.it/eng/MD-23)
PAS-20: Metal disc self-adhesive (www.supermagnete.it/eng/PAS-20)
MSD-21: Metal disc with an edge and sinkhole drilling M3 (www.supermagnete.it/eng/MSD-21)
ZTN-20: Pot magnet with cylindrical borehole (www.supermagnete.it/eng/ZTN-20)

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