

Application No. 149: 4 Russian experiments

Author: Aleksei Kokorev, Tver, Russian Federation

Experiments that demonstrate the full force of our SuperMagnets

After his experiment with the "floating compass" (www.supermagnete.de/eng/project110), Aleksei from Russia sends us four more of his experiments that demonstrate the full force of our SuperMagnets:

Small, but powerful:
The disc magnet S-20-10-N (www.supermagnete.de/eng/S-20-10-N) can pull up a medium dumbbell or even a weight of 8 kg! The scale proves it: No trick!



Video, 6.4 MB

Here, Aleksei demonstrates that our magnets keep the promise that we make: A cube magnet W-12-N (www.supermagnete.de/eng/W-12-N) can easily hold a dumbbell of almost 5 kg.



Video, 1000 kB

Note from the supermagnete team: It is risky to hang up heavy objects with magnets. Please consider our warnings (www.supermagnete.de/eng/safety.php) under "heavy objects."



Video, 17 MB

This experiment shows clearly how a SuperMagnet influences a compass much more than a normal ferromagnet. Even at a very high distance to the magnet, the needle starts moving.

But not only that: SuperMagnets can even change the polarity of a ferromagnet. You can see that when you watch where the compass needle points to before and after the ferromagnet had contact with the SuperMagnet.

Finally, this experiment shows that a SuperMagnet can massively demagnetise a normal ferromagnet, so it comes off a magnetic board - almost by itself.

In a next step, the SuperMagnet can give the normal magnet power again, so it sticks to the magnetic board again.



Video, 2 MB

Articles used

S-20-10-N (www.supermagnete.de/eng/S-20-10-N)

W-12-N (www.supermagnete.de/eng/W-12-N)

Online since: 06/11/2008

Have you found an interesting use for our super magnets? Send us a description! If we publish it on our website, you will receive a **supermagnete voucher with a value of EUR 30**. Further Information: www.supermagnete.de/eng/project_terms.php

The copyright for the complete content of this website (text, photos, videos, documents, etc.) lies with the author or with supermagnete.com. The content of this website may neither be copied nor otherwise used without our explicit permission.