

Application No. 149: 4 Russian experiments

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Experiments that demonstrate the full force of our SuperMagnets

After his experiment with the "floating compass" (www.supermagnete.nl/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.nl/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.nl/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.nl/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.nl/eng/S-20-10-N)

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

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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.nl/eng/project_terms.php

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