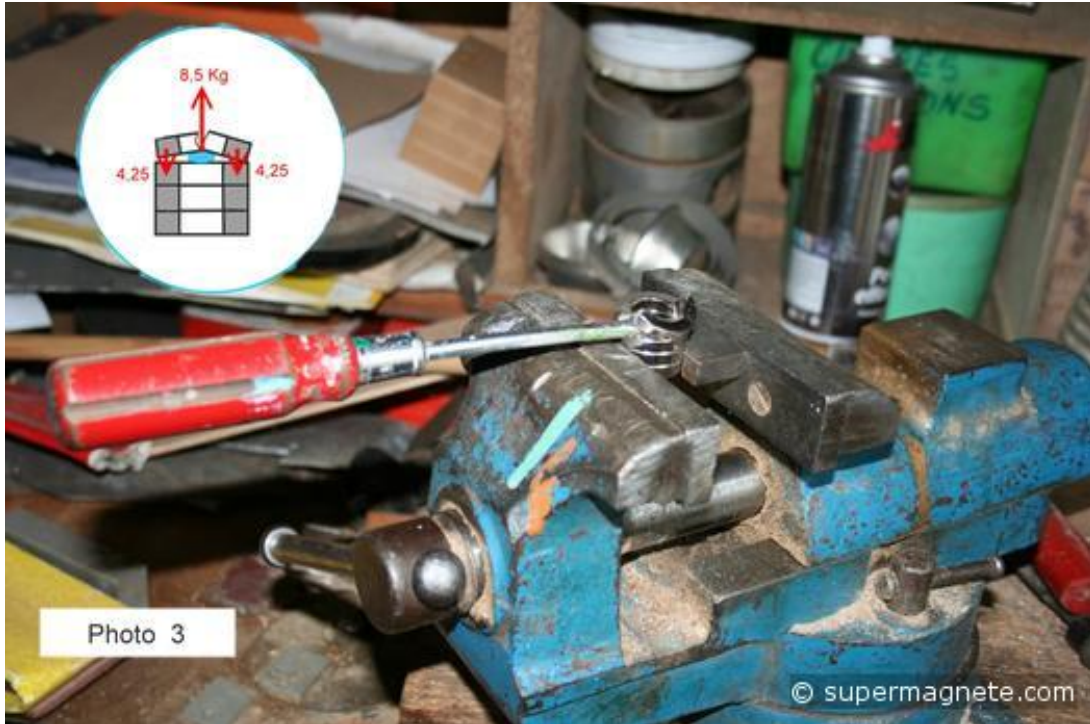


Application No. 255: Separating spheres

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The soft way of separating magnets

After my last supermagnete purchase I handled my four new ring magnets (www.supermagnete.de/eng/R-27-16-05-N) a little awkwardly and the separating discs slipped out. All my attempts to separate the rings by hand failed. Finally, I fastened the magnets into my vice and tried to detach the magnet on top with a screw driver - with catastrophic consequences (see picture blow)!



The wisser head gives in - in this case unfortunately my new magnet!

So, I had to think of a softer method for the remaining three rings. After giving it some thought, I put a protective thick piece of plastic floor cover around the two ring magnets on the bottom. Then, I fastened the whole thing in the vice again (see below).



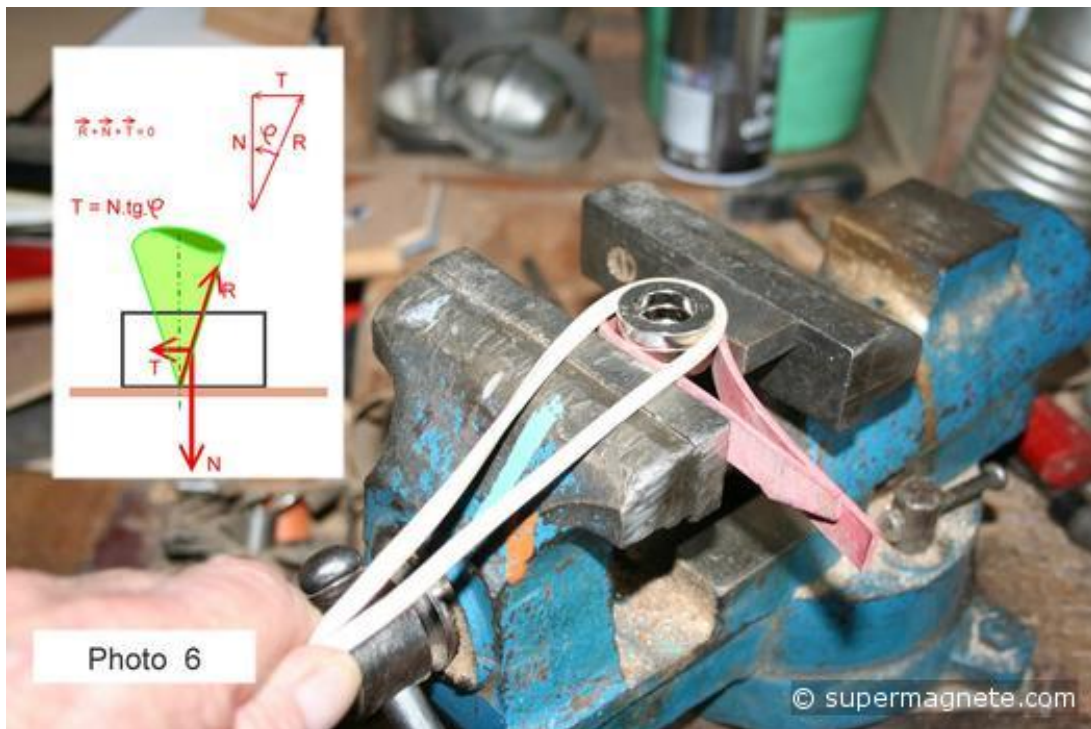
Thereafter, I placed a strong piece of rope around the magnet on top and pulled it off to the side. The magnetic force was considerably weaker this way. As soon as I pulled it enough to the side, the magnet attached to the clamp jaw of the vice.

It was not easy getting the magnet off of it, but clearly easier than yanking on the magnet :-)

I quickly put the separating discs on the "freed" magnets to prevent a further tête-à-tête.

I think this method is suitable for other magnet types as well, not just for rings.





Physical thoughts about this procedure

Articles used

R-27-16-05-N (www.supermagnete.de/eng/R-27-16-05-N)

Online since: 05/08/2009

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