

## Application No. 549: Levitation with copper

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### Levitating magnets: A tutorial including sample video and PDF

A beautiful and uncomplicated construction to demonstrate magnetic levitation. It fits perfectly into our customer application collection on the topic of "Levitation" ([www.supermagnete.de/eng/projects/levitation](http://www.supermagnete.de/eng/projects/levitation)).

### Material needed (see picture for details):

- A plastic pipe
- 2 rods of pyrolytic (pure) copper  
Attention: Doesn't work with non-pyrolytic copper!
- 1 rod of soft-magnetic iron
- 1 S-30-15-N ([www.supermagnete.de/eng/S-30-15-N](http://www.supermagnete.de/eng/S-30-15-N)) disc magnet
- 3 S-15-05-N ([www.supermagnete.de/eng/S-15-05-N](http://www.supermagnete.de/eng/S-15-05-N)) disc magnets
- Gasket rings



### Demonstration (Spanish):

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This pdf (Spanish) is an excerpt from the magazine "Investigación y Ciencia" from February of 2006, when this installation was introduced.



pdf file

**Articles used**

1 x S-30-15-N: Disc magnet Ø 30 mm, height 15 mm ([www.supermagnete.de/eng/S-30-15-N](http://www.supermagnete.de/eng/S-30-15-N))

3 x S-15-05-N: Disc magnet Ø 15 mm, height 5 mm ([www.supermagnete.de/eng/S-15-05-N](http://www.supermagnete.de/eng/S-15-05-N))

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