

## Application No. 113: A football for EURO 2008

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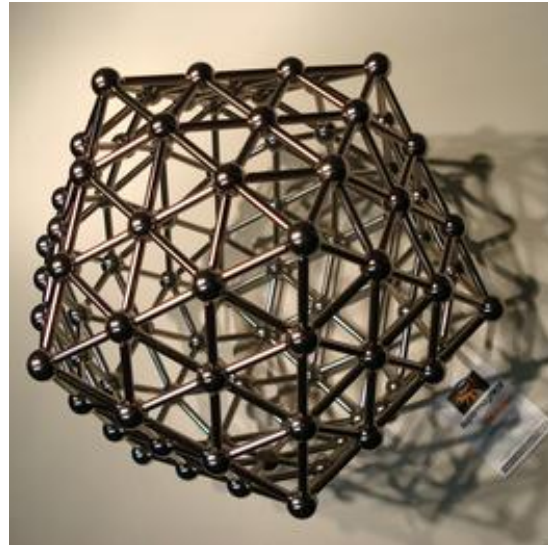
### A magnetic football for the true fan

Since your delivery service is fast as lightning, I managed to assemble a magnetic football just in time for the European Football Championship.

The football is made up of:

- 60 steel spheres ([www.supermagnete.de/eng/K-13-N](http://www.supermagnete.de/eng/K-13-N))
- 90 rods ([www.supermagnete.de/eng/S-04-25-N](http://www.supermagnete.de/eng/S-04-25-N))

The assembly of the football formation was a little difficult. That's why I have initially supported the pentagons with additional five radial rods and a sphere in the middle. When there was only a little whole on top of the entire ball, I could dismantle the support.



Interestingly, he didn't really turn out to be round, although enough hexagons and pentagons were available: 12 pentagons and 20 hexagons. For those who want to check out the geometry of a football in more detail: A wonderfully designed website (in German though) on this topic can be found here ([www.mathematische-basteleien.de/fussball.htm](http://www.mathematische-basteleien.de/fussball.htm)).

Well, if you use the "magnet of death" for a goal-kick, he'll probably start rolling :-)

We from supermagnete can only say: Gotta pump it up more ;-)

### Articles used

90 x S-04-25-N ([www.supermagnete.de/eng/S-04-25-N](http://www.supermagnete.de/eng/S-04-25-N))

60 x K-13-N ([www.supermagnete.de/eng/K-13-N](http://www.supermagnete.de/eng/K-13-N))

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