

Application No. 216: The world's most simple compass

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A compass can't be any more minimalist

Material needed:

- 1 disc magnet S-20-05-N (www.supermagnete.de/eng/S-20-05-N)
- 1 waterproof red marker

Assembly: Draw a red dot in the middle of the magnetic north pole - done!

Application: Place the disc magnet on its side on a flat surface. The magnet automatically aligns with the magnetic field of the earth. The side with the red dot (=magnetic north pole) points at the magnetic south pole of the earth, which is near our geographic north pole.



(If this north pole / south pole story has you confused, please read the appropriate note in our FAQ (www.supermagnete.de/eng/faq/northpole)).

This magnet is so strongly magnetised that it always aligns itself correctly, not matter how often you turn it (see video).

This compass works always and everywhere, because he doesn't need glass, needles or other material.



Video, 470 kB

Articles used

1 x S-20-05-N (www.supermagnete.de/eng/S-20-05-N)

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