Typical dimensions of ANOFOL strip (thickness x width):

0.20 mm x 100 mm
0.27 mm x 110 mm
0.40 mm x 260 mm
0.50 mm x 100 mm
0.65 mm x 120 mm

STEINERT Elektromagnetbau GmbH
Business Unit ANOFOL

Widdersdorfer Str. 329-331
D-50933 Cologne/Germany

P.O. Box 45 11 60
D-50886 Cologne/Germany

Phone: +49 221 4984-147
Fax: +49 221 4984-103

info@anofol.de

www.anofol.de

ANOFOL Magnet Coils

made of anodised aluminium strip

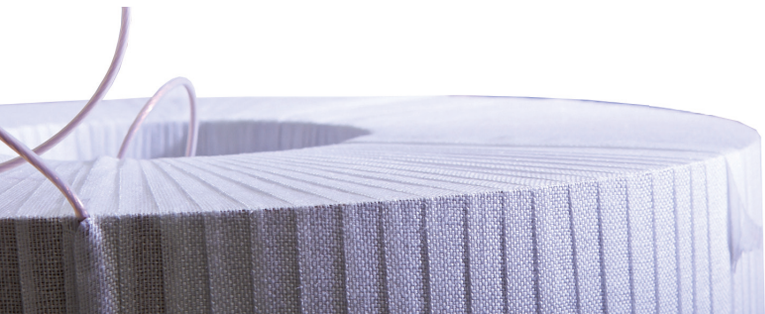
ANOFOL
Magnet Coils

Used for Lifting Magnets and/or Separation Technology with nearly 50 years experience.

Benefits of ANOFOL Magnet Coils:

- Light weight
- Heat resistant
- Highest possible filling factor
- Round or rectangular shapes available
- Sizes up to 4600 mm side length or 3400 mm diameter available
- Rigid construction without side support
- Perfect heat dissipation, eliminating hot spots
- Fully taped option
- Stacked coils available
- Extended lifetime

The excellent heat transfer of ANOFOL coils improve the thermal stability of your magnetic system due to lower operating temperature and lower hot spots. This allows more current flow resulting in stronger magnets. ANOFOL allows to design magnetic systems with the highest magnetic field possible along with optimised size, weight and energy consumption.



Your choice:
ANOFOL coils or ANOFOL strip

**You consider winding as your core competence?
No matter, we also supply just ANOFOL-strip
if requested.**

However we offer the service of designing ANOFOL coils according to your requirements and we can support you with implementing this technology in your production process.

ANOFOL strip = anodised aluminium strip
ANOFOL coils = coils made from anodised aluminium strip

ANOFOL strip is available from 0.03 mm to 1.5 mm thickness and in widths from 3 mm to 260 mm.
The very thin insulation layer (Al_2O_3) has a thickness of just 1 - 6 µm, typically 4 - 5 µm. So it is much thinner than typical insulation materials such as paper, polyester, aramids or mica.

You will achieve a magnet that can efficiently replace an antiquated style of interleaving by higher ratings per unit, reduced weight and still offer a major reduction in size.