

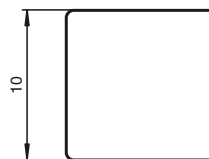


Model Number

DM 10-10 NDFEB

Permanent magnet for hydraulic cylindrical magnetic field sensors

Dimensions



Technical data

Ambient conditions

Ambient temperature max. 120 °C (248 °F)

Mechanical specifications

| | |
|------------|----------------------------------|
| Material | NdFeB acc. to ratio 262/135 |
| Dimensions | Height: 10 mm Diameter: 10 mm |
| Coating | Ni + Sn (approx. 10-15 µm) |

Technical details

The NeoDeltaMagnet consists of NdFeB (neodymium iron boron), the "strongest" available magnet material. The surface is protected against corrosion by a coating of stannous on nickel. The ring magnets have an axial magnetisation. The dimensional tolerance usually amounts to ±0.1 mm.

| Characteristic | | Value | |
|--|-------------------------------|---------------|-------------------|
| Power product | (W x H) max. | 262 ... 288 | kJ/m ³ |
| Remanence | B _r | 1170 ... 1250 | mT |
| Coercive field strength | JH _C | >1350 | kA/m |
| Coercive field strength | BH _C | > 860 | kA/m |
| Relative remanent permeability | μ _o μ _r | 1.07 | mT/ kA/m |
| Temperature coefficient of the remanence | α | - 0.10 | %/°C |
| Density | r | 7.4 | g/cm ³ |