



Dimensions



Model Number

DM 06-05 NDFEB

Permanent magnet for hydraulic cylindrical magnetic field sensors

Technical data

Ambient conditions

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

Mechanical specifications

Material	NdFeB acc. to ratio 262/135
Dimensions	Height: 5 mm Diameter: 6 mm
Coating	Ni + Sn (approx. 10-15 µm)
Note	Packaging unit 20-piece

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	J_{H_C}	>1350	kA/m
Coercive field strength	B_{H_C}	> 860	kA/m
Relative remanent permeability	$\mu_0 \mu_r$	1.07	mT/ kA/m
Temperature coefficient of the remanence	α	- 0.10	%/°C
Density	r	7.4	g/cm^3