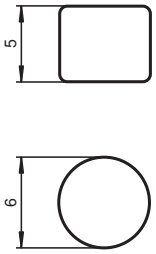
Magnet
DM 06-05 NDFEB



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: 5 mm Diameter: 6 mm
Coating		Ni + Sn (approx. 10-15 µm)
Note		Packaging unit 20-piece

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Technical Features

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	$\mu_o\mu_r$	1.07	mT/ kA/m
Temperature coefficient of the remanence	α	- 0.10	%/°C
Density	r	7.4	g/cm^3

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