

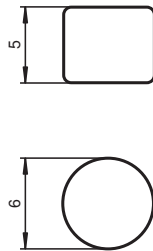
# Magnet

## DM 06-05 NDFEB



Permanent magnet for hydraulic cylindrical magnetic field sensors

### Dimensions



### Technical Data

<b>Ambient conditions</b>	
Ambient temperature	max. 120 °C (248 °F)
<b>Mechanical specifications</b>	
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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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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  $\pm 0.1$  mm.

Characteristic		Value	
Power product	(W x H) max.	262 ... 288	$\text{kJ/m}^3$
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	$\alpha$	- 0.10	%/°C
Density	$\rho$	7.4	$\text{g/cm}^3$