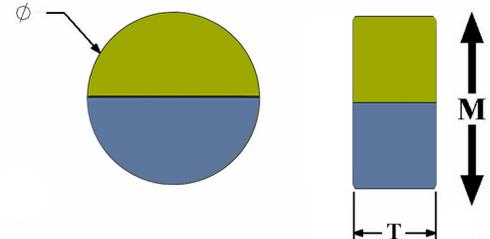


Diametric Disc Magnet for Magnetic Encoders

The diametric disc magnets from Dexter come in standard sizes and technical specifications.

As with any product from Dexter, you can guarantee superior performance.

Use the technical specifications chart to find the diametrically magnetized disc magnet for your requirements.



DEXTER BENEFITS AT A GLANCE:

- > AS9100C
- > ISO: 9001:2008
- > Clean Room Class 10,000 (ISO7)
- > Patented Magnetic Technology
- > In-house Fabrication
- > Component-level Traceability
- > Magnet and Sensor Integration

Part Numbers:	2910041-1	2410022-1	2410025-1
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Physical Data

Diameter (∅)	6.0 +/- 0.1mm	6.0 +/- 0.1mm	6.0 +/- 0.1mm
Thickness (T)	2.5 +/- 0.05mm	3.0 +/- 0.05mm	3.0 +/- 0.05mm
Density	7.6 gram/cc	7.6 gram/cc	8.2 gram/cc
Mass	~ 0.53 gram	~ 0.64 gram	~ 0.70 gram
Linear Coefficient of Thermal Expansion (CTE)	5.0 to 8.0x10 ⁻⁶ °C ⁻¹	5.0 to 8.0x10 ⁻⁶ °C ⁻¹	10.0x10 ⁻⁶ °C ⁻¹

Magnetic Characteristics

Material	Neodymium	Neodymium	Samarium Cobalt
Energy Grade	35 MGOe	35 MGOe	32 MGOe
Temp Coefficient of Magnetic Field Strength	-0.15% °C ⁻¹	-0.15% °C ⁻¹	-0.03% °C ⁻¹
Max. Operating Temp.	150°C	150°C	350°C
Coating	Nickel Plating	Nickel Plating	N / A

ABOUT DEXTER

Dexter Magnetic Technologies is the global leader in specification, design and fabrication of magnetic products and assemblies. Since its founding in 1951, solutions designed by Dexter have and continue to positively impact our world daily – from life-saving medical devices to intelligent optics.

As the essential magnetic system partner, our teams of engineers and support staff are dedicated to delivering innovative technological solutions and services through a powerful combination of engineering and manufacturing expertise.



Also available as ring configuration:

