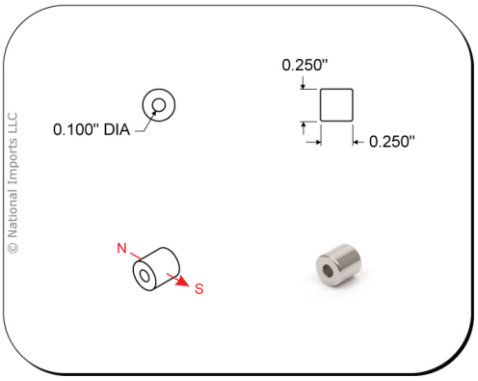
NSN0548

Package of 20

Specifications

These cylinder magnets are 0.250 inch (6.4mm) outside diameter, 0.100 inch (2.54mm) inside diameter and 0.250 inch (6.4mm) long. They are magnetized through the diameter. They are composed of grade 40 neodymium iron boron magnetic material and are plated in nickel-copper-nickel for a shiny corrosion resistant finish. Their individual pull force is approximately 10 lbs. Maximum working temperature is 176 F (80 C).

Part Number	NSN0548
Imperial Dimensions	0.25 inch outside diameter x 0.1 inch inside diameter x 0.25 inch long
Metric Dimensions	6.35mm outside diameter x 2.54mm inside diameter x 6.35mm long
Material	Sintered Neodymium-Iron-Boron (NdFeB)
Shape	Cylinder
Plating	Ni-Cu-Ni (Nickel)
Magnetization Direction	Length
Grade	N40
Pull Force	
Surface Field	4475
Packaging	Magpak Tube
UPC	897970000488
Magnet Quantity	20
Brand	Magcraft
Maximum Operating Temperature	80 Deg C (176 Deg F)
Maximum Energy Product Bhmax (MGOe (kJ/m3))	38-41 [302-326]
Remanent Flux Density Br (kG (T))	12.5-12.8 [1.25-1.28]
Coercivity HcB (kOe (kA/m))	≥11.3 [≥923]
Intrinsic Coercivity HcJ (kOe (kA/m))	≥12.0 [≥995]
Dimensional Tolerance	+/-0.005"
Density ρ (g/cm3)	≥7.45
Compression Strength (Mpa)	600-1200
Bending Strength (Mpa)	150-380
Vickers Hardness (HV)	460-660
Recoil Permeability (μrec)	1.05
Electrical Resistance (Ω·mm2/m)	1.25-1.55
Curie Temperature Tc (°C)	310
Thermal Expansion Coefficient 100°C // (x10^-6/K)	6
Thermal Expansion Coefficient 100°C ⊥ (x10^-6/K)	-1



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