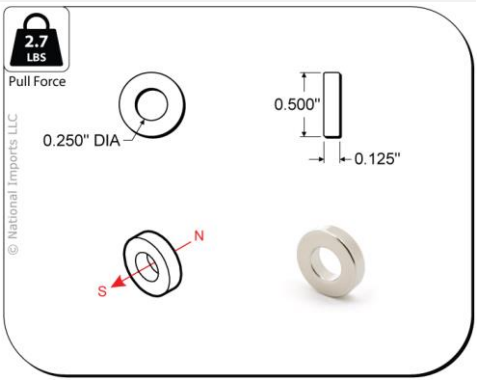
NSN0814

Package of 12

Specifications

These ring magnets are 0.500"(12.7mm) outside diameter x 0.250"(6.4mm) inside diameter x 0.125"(3.2mm) thick. They are magnetized through the thickness. 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 2.6 lbs. Maximum working temperature is 176 F (80 C).

Part Number	NSN0814
Imperial Dimensions	0.5 inch outside diameter x 0.25 inch inside diameter x 0.125 inch thick
Metric Dimensions	12.7mm outside diameter x 6.35mm inside diameter x 3.175mm thick
Material	Sintered Neodymium-Iron-Boron (NdFeB)
Shape	Ring
Plating	Ni-Cu-Ni (Nickel)
Magnetization Direction	Thickness
Grade	N40
Pull Force	2.67[1211]
Surface Field	3323
Packaging	Magpak Tube
UPC	875661001143
Magnet Quantity	12
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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