

NSN0615

Package of 6

Specifications

These ring magnets are 0.750 inch (19.1mm) diameter, 0.375 inch (9.5mm) inside diameter and 0.125 inch (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 4 lbs. Maximum working temperature is 176 F (80 C).



Part Number NSN0615

Imperial Dimensions 0.75 inch outside diameter x 0.375 inch inside

diameter x 0.125 inch thick

Metric Dimensions 19.05mm outside diameter x 9.525mm 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 4.01[1819]

Surface Field 3194

Packaging Magpak Tube

UPC 875661000153

Magnet Quantity 6

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) \geq 7.45

Compression Strength (Mpa) 600-1200

Bending Strength (Mpa) 150-380

Vickers Hardness (HV) 460-660

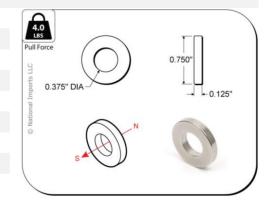
Recoil Permeability (µrec) 1.05

Electrical Resistance (Ω·mm2/m)

Curie Temperature Tc (°C)

Thermal Expansion Coefficient 100°C // (x10^-6/K)

Thermal Expansion Coefficient $100^{\circ}C \perp (x10^{-6}/K)$



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1.25-1.55

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