

Specifications

These 90 degree arc magnets are 0.75 inch (19.05mm) long and 0.125 (3.2mm) thick. They are composed of grade 40 neodymium iron boron magnetic material and are plated in nickel-copper-nickel for a shiny corrosion resistant finish. Max Working Temperature - 176 F (80 C).



Part Number	NSN0627
Imperial Dimensions	0.75 inch outside radius x 0.625 inch inside radius x 90 deg x 0.75 inch long
Metric Dimensions	19.05 mm outside radius x 15.875 mm inside radius x 90 deg x 19.05 mm long
Material	Sintered Neodymium-Iron-Boron (NdFeB)
Shape	Arc
Plating	Ni-Cu-Ni (Nickel)
Magnetization Direction	Diameter
Grade	N40
Pull Force	
Surface Field	4551
Packaging	Magpak Tube
UPC	875661000276
Magnet Quantity	2
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

