Neodymium Magnets Manual

[I] Cylinder 12mm dia. x 20mm height N50

Diameter: 12mm (0.472" in.)
Height: 20mm (0.787" in.)
Grade: N50
Coating: Nickel (Ni)
Magnetized Direction: Through height - 20mm
Theoretical Holding Force: ~7.59kgs
Surface Gauss: 6943 Gauss

[II] Cylinder 15mm dia. x 20mm height N35H SIDE MAGNETISATION

Diameter: 15mm (0.590" in.)
Height: 20mm (0.787" in.)
Grade: N35H
Coating: Nickel (Ni)
Magnetized Direction: Through side/diametrical- 15mm
Theoretical Holding Force: ~8.5kg
Surface Gauss: 5664 Gauss
[III] Cylinder 6mm dia. x 10mm height N50

- Diameter: 6mm
- Height: 10mm
- Grade: N50
- Coating: Nickel (Ni)
- Magnetized Direction: Through height - 10mm
- Surface Gauss: 6942 Gauss
- Theoretical Holding Force: 1.741 kg

[IV] Disc 25.4mm dia. x 3.175mm height N52 Ni

- Model: D-D25.4H3.175-N52-Ni
- Diameter: 25.4mm (1" in.)
- Height: 3.175mm (0.125" in.)
- Grade: N52
- Coating: Nickel (Ni)
- Magnetized Direction: Through height - 3.175mm
- Theoretical Holding Force: ~7.928 kg
- Surface Gauss: 1856 Gauss
[V] Sphere 10mm diameter N40

Diameter: 10mm (0.394" in.)
Grade: N40
Coating: Nickel (Ni)
Magnetized Direction: Through diameter - 10mm

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[VI] Cylinder 6mm dia. x 12mm height GOLD N45 SIDE MAGNETISATION

Diameter: 6mm
Height: 12mm
Grade: N45
Coating: GOLD COATED
Magnetized Direction: Through side/diametrically - 6mm
Theoretical Holding Force: \(~1.646\) kg
Surface Gauss: 6643 Gauss
Ring 12.7mm outside dia. x 3.175mm height x 3.175mm inside dia. N45

Outside Diameter: 12.7mm (0.5" in.)
Height: 3.175mm (0.125" in.)
Inside Diameter: 3.175mm (0.125" in.)
Grade: N45
Coating: Nickel (Ni)
Magnetized Direction: Through height – 3.175mm