

Rare Earth Magnet Material (continued)

Rare Earth Cylindrical Material 35MgO

Hold - lbs (kg)	Dia. (in)	Ln. (in)	Wt. (lbs)	Model No.
0.2 (0.09)	0.120	0.060	0.0002	NE1206NP35
0.3 (0.13)	0.120	0.250	0.0002	NE1225NP35
0.6 (0.27)	0.120	0.500	0.0004	NE1250NP35
0.6 (0.27)	0.187	0.060	0.0004	NE1806NP35
1.0 (0.45)	0.220	0.100	0.001	NE2210NP35
1.5 (0.68)	0.220	0.250	0.003	NE2225NP35
1.8 (0.81)	0.220	0.500	0.007	NE2250NP35
1.0 (0.45)	0.250	0.100	0.001	NE2510NP35
1.2 (0.54)	0.250	0.125	0.002	NE2512NP35
1.5 (0.68)	0.250	0.187	0.002	NE2518NP35
1.7 (0.77)	0.250	0.200	0.003	NE2520NP35
1.8 (0.81)	0.250	0.250	0.003	NE2525NP35
2.1 (0.95)	0.250	0.500	0.007	NE2550NP35
1.3 (0.59)	0.310	0.060	0.006	NE3106NP35
3.1 (1.40)	0.320	0.250	0.006	NE3225NP35
1.6 (0.73)	0.375	0.060	0.002	NE3706NP35
2.0 (0.90)	0.375	0.100	0.003	NE3710NP35
2.6 (1.18)	0.375	0.125	0.004	NE3712NP35
4.5 (2.04)	0.375	0.187	0.006	NE3718NP35
4.5 (2.04)	0.375	0.200	0.006	NE3720NP35
4.6 (2.08)	0.375	0.250	0.007	NE3725NP35
5.7 (2.58)	0.375	0.375	0.011	NE3737NP35
6.7 (3.04)	0.375	0.500	0.015	NE3750NP35
3.0 (1.36)	0.500	0.060	0.003	NE5006NP35
4.0 (1.81)	0.500	0.125	0.007	NE5012NP35
5.7 (2.58)	0.500	0.187	0.010	NE5018NP35
6.0 (2.72)	0.500	0.200	0.010	NE5020NP35
6.5 (2.94)	0.500	0.250	0.013	NE5025NP35
8.9 (4.03)	0.500	0.375	0.020	NE5037NP35
11.2 (5.08)	0.500	0.500	0.026	NE5050NP35
3.2 (1.45)	0.750	0.060	0.020	NE7506NP35
20.0 (9.07)	0.750	0.187	0.060	NE7518NP35
10.7 (4.76)	0.750	0.250	0.026	NE7525NP35
13.5 (6.12)	0.750	0.375	0.030	NE7537NP35
22.0 (9.98)	0.750	0.500	0.045	NE7550NP35



Neodymium Features

- Extremely powerful magnet
- Ideal for miniaturized applications
- Operates best at temperatures below 180°F (82°C)
- High resistance to demagnetization
- Nickel plated finish
- Tolerance ±0.005" on all dimensions

NOTE: Avoid grinding, as flash fires may occur from rare earth material dust particles. Crystalline structured material is easily chipped, cracked or broken.

Rare Earth Cylindrical Material 42 MgO

Hold - lbs (kg)	Dia. (in)	Ln. (in)	Wt. (lbs)	Model No.
2.3 (1.04)	0.250	0.125	0.002	NE2512NP42
3.07 (1.39)	0.250	0.200	0.003	NE2520NP42
3.35 (1.52)	0.250	0.250	0.003	NE2525NP42
3.87 (1.76)	0.250	0.500	0.007	NE2550NP42
6.86 (3.11)	0.375	0.250	0.007	NE3725NP42
7.96 (3.61)	0.375	0.375	0.011	NE3737NP42
8.5 (3.86)	0.375	0.500	0.015	NE3750NP42
6.08 (2.76)	0.500	0.125	0.007	NE5012NP42
9.49 (4.30)	0.500	0.200	0.010	NE5020NP42
10.88 (4.94)	0.500	0.250	0.013	NE5025NP42
14.66 (6.65)	0.500	0.500	0.026	NE5050NP42
4.95 (2.25)	0.750	0.062	0.030	NE7506NP42
9.76 (4.43)	0.750	0.125	0.060	NE7512NP42
24.0 (10.89)	0.750	0.375	0.030	NE7537NP42
6.80 (3.08)	1.000	0.062	0.130	NE10006NP42
12.60 (5.72)	1.000	0.125	0.028	NE10012NP42
22.45 (10.18)	1.000	0.187	0.040	NE10018NP42
20.37 (9.24)	1.500	0.125	0.070	NE15012NP42

Max-Attach™ Rare Earth Magnet Material

Rare Earth Max-Attach™

Hold - lbs (kg)	Outer Dia. (in)	Inner Dia. (in)	Thick. (in)	Wt. (lbs)	Model No.
Disc					
7.7 (1.04)	0.500	-	0.125	0.007	CMP5012P1N35
9.3 (4.22)	0.500	-	0.187	0.037	CMP5018P2N35
8.8 (3.99)	0.500	-	0.125	0.007	CMP5012P1N42
10.5 (4.76)	0.500	-	0.187	0.037	CMP5018P2N42
15.3 (6.94)	0.750	-	0.062	0.007	CMP7506P1N42
18.0 (8.16)	0.750	-	0.125	0.015	CMP7512P1N42
16.5 (7.48)	1.000	-	0.062	0.013	CMP10006P1N42
37.3 (16.92)	1.000	-	0.125	0.027	CMP10012P1N42
38.4 (17.42)	1.000	-	0.187	0.040	CMP10018P2N42
77.0 (34.93)	1.500	-	0.125	0.060	CMP15012P1N42
Ring					
16.3 (7.39)	0.750	0.125	0.125	0.014	CMP751212P2N42
16.0 (7.26)	0.750	#6CS	0.125	0.011	CMP7512CSP2N42
33.2 (15.06)	1.000	0.190	0.125	0.026	CMP101912P2N42
67.3 (30.53)	1.500	0.125	0.125	0.059	CMP151212P2N42
119.0 (53.98)	2.000	0.875	0.187	0.128	CMP208718P2N42
Rectangle					
Hold - lbs (kg)	Ln. (in)	Wd. (in)	Thick. (in)	Wt. (lbs)	Model No.
39.8 (18.05)	1.000	1.000	0.125	0.034	CMP011010P1N42
13.1 (5.94)	0.500	0.500	0.125	0.008	CMP010505P1N42
17.1 (7.76)	1.000	0.500	0.125	0.017	CMP010510P1N42
62.1 (28.17)	1.500	1.000	0.187	0.076	CMP181510P2N35
64.8 (29.39)	1.500	1.000	0.187	0.076	CMP181510P2N42
86.4 (39.19)	1.500	1.500	0.125	0.076	CMP011515P1N42

Adhesive-Back Rare Earth Max-Attach™

Hold - lbs	Outer Dia. (in)	Inner Dia. (in)	Thick. (in)	Wt. (lbs)	Model No.
Disc with 3M VHB (Very High Bond) Adhesive					
37.3 (16.92)	1.000	-	0.125	0.028	CMP10012P1ADH
16.5 (7.48)	1.000	-	0.062	0.014	CMP10006P1ADH
38.4 (17.42)	1.000	-	0.187	0.041	CMP10018P2ADH
77.0 (34.93)	1.500	-	0.125	0.061	CMP15012P1ADH
Ring with 3M VHB (Very High Bond) Adhesive					
33.2 (15.06)	1.000	0.125	0.125	0.027	CMP101912P2ADH
67.3 (30.53)	1.500	0.125	0.125	0.060	CMP151212P2ADH
Rectangle with 3M VHB (Very High Bond) Adhesive					
Hold - lbs	Ln. (in)	Wd. (in)	Thick. (in)	Model No.	
13.1 (5.94)	0.500	0.500	0.125	0.009	CMP010505P1ADH
17.1 (7.76)	1.000	0.500	0.125	0.018	CMP010510P1ADH
39.8 (18.05)	1.000	1.000	0.125	0.035	CMP011010P1ADH
64.8 (29.39)	1.500	1.000	0.187	0.078	CMP181510P2ADH
86.4 (39.19)	1.500	1.500	0.125	0.078	CMP011515P1ADH

Max-Attach™ are Rare Earth Neodymium-Iron-Boron multi-pole magnets that produce superior attachment force using Polymagnets® technology. They are many times stronger than conventional N and S pole magnets.



Adhesive-Back Max-Attach™ Ultra-High-Pull Neodymium Magnets

The adhesive back lets you press these corrosion-resistant, nickel-plated neodymium-iron-boron Rare Earth magnets into place on non-ferrous surfaces. Multi-pole magnets achieve substantially more holding power versus conventionally magnetized magnets. Maximum temperature is 180°F (82°C) Color is silver. They cannot be machined.

