

## Permanent Magnets



### Insulated Pot Magnets

- Material: Alcomax III
- Can be used in temperatures up to 428°F
- Commonly used in gripping/lifting, positioning jigs, inserting into jigs/fixtures, in catches/latches

Diameter (Inch)	Height (Inch)	Pull (lbs)	Thread Size	Code
1/4	1/2	0.25	6-32	381110
3/8	1/2	1.43	6-32	381111
1/2	1/2	2.50	6-32	381112
3/4	3/4	9.13	10-24	381113
1	1	16.00	1/4-20	381114



### Magnetic Foot

- Material: Alcomax III (magnet), mild steel (pot)
- Can be used in temperatures up to 428°F
- Rectangular block containing two pot type magnets set into one mild steel housing

Length (Inch)	Height (Inch)	Width (Inch)	Weight (lbs)	Max. Pull (lbs)	Code
2-23/64	1	1	0.7	26	381117



### Deep Pot Magnets

- Alnico with mild steel body and aluminum spacer
- Max. operating temperature 220°C/425°F
- Suited for gripping, lifting, positioning jigs, soldering fixtures, general securing and fixtures

Diameter (Inch)	Height (Inch)	Max. Pull (lbs)	Thread Size	Code
0.375	0.594	2.2	M3	381120
0.500	0.625	4.5	M4	381121
0.689	0.629	5.8	10 UNF	381122
0.807	0.748	8.8	10 UNF	381123
1.062	1	13.4	10 UNF	381124
1.377	1.181	32.5	10 UNF	381125



### Shallow Pot Magnets

- Material: Alcomax III (magnet), mild steel (body)
- Can be used in temperatures up to 1022°F (except 3/4 Dia. 212°F)
- Uses are similar to standard pot magnets use where height is a restriction
- Shallow flux fields best suited for gripping on smooth surfaces

Diameter (Inch)	Height (Inch)	Screw Head (Inch)	Max. Pull (lbs)	Code
3/4	5/16	5/32	7-1/2	381130
1-1/8	11/32	13/64	11	381131
1-1/2	13/32	16/64	28-1/2	381132



### Button Magnets

- Material: Alnico
- Can be used in temperatures up to 1022°F
- Ideal for use on rough surfaces because of their deeper flux field

Diameter (Inch)	Height (Inch)	Slot Size Min.-Max. (Inch)	Max. Pull (lbs)	Code
1/2	3/8	5/32-9/32	1-1/2	381135
3/4	1/2	7/32-11/32	4	381136
1	5/8	7/32-11/32	8	381137
1-1/4	1	5/16-1/2	11	381138
7/8	3/4	3/16-3/16	8	381139



### Pocket Magnets

- Material: Alnico
- Can be used in temperatures up to 1022°F
- Useful where air gaps are present due to deep flux field

Length (Inch)	Height (Inch)	Width (Inch)	Max. Pull (lbs)	Code
7/8	1	1-1/8	5	381141
1-1/16	1-3/8	5/8	8	381142

## Neodymium Iron Boron Discs – Rare Earth



- Pressure-formed (sintered) magnets have ten times the strength of alnico magnets
- Nickel-plated magnets offer corrosion resistance
- Temperature range -40°F to +300°F, unless noted otherwise

Diameter (Inch)	Thickness (Inch)	Code
0.250	0.250	381191
0.250	0.500	381192
0.375	0.250	381193

Diameter (Inch)	Thickness (Inch)	Code
0.375	0.500	381194
0.500	0.250	381195
0.500	0.500	381196
0.750	0.375	381197
1.000	0.500	381199