

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	0.994	2.2	M3	381120
0.500	0.625	4.4	M4	381121
0.689	0.629	5.8	10 UNF	381122
0.807	0.748	8.8	10 UNF	381123
1.062	1.000	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
0.375	0.500	381194

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

Permanent Magnets



Power Pot Magnets

- Extremely powerful holding strength
- Provided with push-off screw to remove work from magnetic hold

Diameter (Inch)	Height (Inch)	Max. Pull (lbs)	Code
2-1/8	2-1/8	70	425564



Pot Magnets

- Unique combination of strong magnet with insulating ring gives this magnet the superior holding power of larger ones
- 1/4-20 threaded hole for attaching to fixture and machines

Diameter (Inch)	Height (Inch)	Magnetic Pull (lbs)	Code
11/16	5/8	6	425534
13/16	3/4	10	425535
1-1/16	1	18	425536
1-3/8	1-3/4	35	425537



Button Magnets

- Many applications including magnetic fastening, displays, bulletin boards, etc
- Center hole for easy fastening
- Supplied with fastener

Diameter (Inch)	Height (Inch)	Magnetic Pull (lbs)	Code
3/4	1/2	4	425577
1	5/8	6-1/2	425578
1-1/4	3/4	14	425579
1-1/2	7/8	18-1/2	425580



Magnetic Quick Clamp

- Designed to enable fast and accurate holding of ferrous metals for welding and assembly jobs
- The quick clamp will hold sheet and tube at angles of 180°, 75°, 60°, 45°, and 30°
- The through-body hole enables this new magnetic tool to be built into jigs or to be hung up when not in use

Base (Inch)	Height (Inch)	Length (Inch)	Code
3-1/2	2-1/2	4	425581



Welding Links

- For holding steel plates in position for welding, brazing, and soldering
- Eliminates need for clamps or temporary fastening
- Constructed from two heavy duty Alnico magnetic blocks linked together with strong steel bars and wing nuts

Block Dimensions (Inch)	Weight (oz)	Code
2 x 1 x 1	1-1/2	425562

Magnetic Quick Clamps



- The Eclipse magnetic quick clamp is designed to facilitate fast and accurate holding of ferrous metals
- Quick clamps are also suitable for retrieval applications
- Maximum operating temperature up to 176°F

Length (Inch)	Height (Inch)	Width (Inch)	Weight (lbs)	Pull (lbs)	Code
4	2-9/16	1/2	0.66	22	381165
4	2-9/16	13/16	0.88	33	381166