



Our Utility range includes a variety of magnet materials and assemblies which are ideal for design engineering and practical projects, from basic clamping and holding to complex power generation or sensor applications.

Neodymium

- Also known as Rare Earth
- Strongest magnet material available
- N35 grade (Nickel plated)
- 80°C/176°F max. operating temp. (unless stated)
- Custom designs available

Neodymium Discs

- Max operating temperature 120°C/248°F
- Ideal where compact size and maximum strength are required
- Ideal for retail, display or industrial holding or mounting applications



Product Number	Diameter	Thickness	Pull Force	Units / Pack	Product Number	Diameter	Thickness	Pull Force	Units / Pack
METRIC					IMPERIAL				
	mm	mm	kg			in	in	lbs	
N100	3.0	1.5	0.3	10	N100	0.12	0.06	0.7	10
N101	4.7	1.5	0.4	10	N101	0.19	0.06	0.8	10
N104	5.6	12.7	1.9	5	N104	0.22	0.50	4.1	5
N105	6.4	2.5	0.5	10	N105	0.25	0.10	1.2	10
N106	6.4	3.2	0.6	10	N106	0.25	0.13	1.4	10
N108	6.4	5.1	1.5	10	N108	0.25	0.20	3.3	10
N109	6.4	6.4	1.6	10	N109	0.25	0.25	3.5	10
N110	6.4	12.7	1.9	5	N110	0.25	0.50	4.3	5
N112	9.5	1.5	0.8	10	N112	0.38	0.06	1.8	10
N114	9.5	3.2	1.6	10	N114	0.38	0.13	3.6	10
N115	9.5	4.7	1.8	10	N115	0.38	0.19	4.0	10
N117	9.5	6.4	2.1	10	N117	0.38	0.25	4.7	10
N119	9.5	12.7	3.3	5	N119	0.38	0.50	7.2	5
N120	12.7	1.5	1.4	10	N120	0.50	0.06	3.0	10
N121	12.7	3.2	2.1	10	N121	0.50	0.13	4.6	10
N124	12.7	6.4	3.2	10	N124	0.50	0.25	7.0	10
N125	12.7	9.5	6.5	5	N125	0.50	0.38	14.3	5
N126	12.7	12.7	8.6	5	N126	0.50	0.50	19.0	5
N127	19.1	9.5	10.0	5	N127	0.75	0.38	22.0	5

Neodymium Pots

- Ideal for retail, display or industrial holding or mounting applications
- Style A: Nickel Plated Pot
- Style B: Shallow Pot With Bolt
- Style C: Shallow Pot With Loop



Style	Product Number	Diameter	Thickness	Pull Figure	Style	Product Number	Diameter	Thickness	Pull Figure
METRIC					IMPERIAL				
		mm	mm	kg			in	in	lbs
A	E684	51.6	4.6	67	A	E684	2.03	0.18	148
A	E685	66.5	9.4	91	A	E685	2.62	0.37	200
B	E686	51.6	4.6	43	B	E686	2.03	0.18	95
B	E687	51.6	4.6	67	B	E687	2.03	0.18	148
B	E688	66.5	9.4	91	B	E688	2.62	0.37	200
C	E689	51.6	20.6	43	C	E689	2.03	0.81	95
C	E690	51.6	20.6	67	C	E690	2.03	0.81	148
C	E691	66.5	25.4	91	C	E691	2.62	1.00	200

Neodymium Shallow Pots With Threaded Hole

- Zinc plated body
- With female threaded hole for component mounting



Product Number	Diameter	Thickness	Total Height	Thread Size	Ferrule Outer Dia.	Pull Force	Units / Pack
METRIC							
	mm	mm	mm		mm	kg	
E770NEO	6	4.5	11.5	M3	6	0.5	20
E771NEO	8	4.5	11.5	M3	6	1.3	20
E772NEO	10	4.5	11.5	M3	6	2.5	20
E773NEO	13	4.5	11.5	M3	6	6.0	20
E774NEO	16	4.5	11.5	M4	8	9.5	20
E775NEO	20	6.0	13.0	M4	8	14.0	10
E776NEO	25	7.0	14.0	M4	8	20.0	10
E777NEO	32	7.0	15.5	M5	10	35.0	5
IMPERIAL							
	in	in	in		in	lbs	
E770NEO	0.236	0.177	0.450	M3	0.236	1.1	20
E771NEO	0.315	0.177	0.450	M3	0.236	2.9	20
E772NEO	0.394	0.177	0.450	M3	0.236	5.5	20
E773NEO	0.512	0.177	0.450	M3	0.236	13.2	20
E774NEO	0.630	0.177	0.450	M4	0.315	20.9	20
E775NEO	0.787	0.236	0.510	M4	0.315	30.8	10
E776NEO	0.984	0.275	0.550	M4	0.315	44.0	10
E777NEO	1.260	0.275	0.610	M5	0.394	77.0	5

Neodymium Shallow Pots With Countersunk Hole

- Zinc plated body
- With countersunk hole for screw fixings



Product Number	Diameter	Thickness	Hole Size	Screw Head	Pull Force	Units / Pack
METRIC					kg	
E1000/NEO	16	4.5	3.5	M3	7.5	20
E1001/NEO	20	6.0	4.5	M4	10.5	10
E1002/NEO	25	7.0	4.5	M4	16.0	10
E1003/NEO	32	7.0	5.5	M5	31.0	10
E1004/NEO	40	8.0	5.5	M5	50.0	5
E1005/NEO	48	11.5	8.5	M8	87.0	1
IMPERIAL					lbs	
E1000/NEO	0.60	0.18	0.14	M3	16.5	20
E1001/NEO	0.80	0.25	0.18	M4	23.1	10
E1002/NEO	1.00	0.30	0.18	M4	35.3	10
E1003/NEO	1.25	0.30	0.22	M5	68.3	10
E1004/NEO	1.60	0.30	0.22	M5	110.2	5
E1005/NEO	1.90	0.45	0.33	M8	191.8	1

Neodymium Hook Magnet

- Ideal for use in office, basement, garage, or home organization applications



Product Number	Diameter	Thickness	Thread Length	Thread Size	Pull Force	Units / Pack
METRIC					kg	
E2226	36.1	6.35	6.35	No. 6-32 UNC	18.1	1
IMPERIAL					lbs	
E2226	1.42	0.25	0.25	No. 6-32 UNC	40.0	1

Neodymium Pot With Swivel Hook

- Ideal for use in office, basement, garage, or home organization applications



Product Number	Diameter	Thickness	Pull Force	Units / Pack
METRIC			kg	
E2227	38.1	12.7	29.5	1
IMPERIAL			lbs	
E2227	1.50	0.50	65.0	1

Neodymium Bi-Pole Deep Pots With Threaded Hole

- Aluminum pot with mild steel pole pieces



Product Number	Diameter	Height	Thread Size	Pull Force	Units / Pack	Product Number	Diameter	Height	Thread Size	Pull Force	Units / Pack
METRIC						IMPERIAL					
NH025	12.7	12	M5	2.5	10	NH025	0.500	0.472	M5	5.5	10
NH065	16.0	16	M6	8.0	10	NH065	0.630	0.630	M6	17.6	10
NH130	22.2	20	M6	16.0	5	NH130	0.874	0.787	M6	35.3	5
NH240	25.4	25	M6	25.0	5	NH240	1.000	0.984	M6	55.1	5

Alnico

Alnico Pots

- Max operating temperature 220°C / 425°F
- Mild steel pot, aluminium spacer
- Typical Applications: Gripping, lifting, positioning jigs, soldering fixtures, general securing and fixtures



Product Number	Diameter	Length	Thread Size	Pull Force	Product Number	Diameter	Length	Thread Size	Pull Force
METRIC					IMPERIAL				
M19169NK	6.35	12.70	No. 6 UNC	0.09	M19169NK	0.250	0.500	No. 6 UNC	0.2
M19170NK	6.35	19.05	No. 6 UNC	0.14	M19170NK	0.250	0.750	No. 6 UNC	0.3
M19171NK	6.35	25.40	No. 6 UNC	0.18	M19171NK	0.250	1.000	No. 6 UNC	0.4
M19172NK	9.53	12.70	No. 6 UNC	0.64	M19172NK	0.375	0.500	No. 6 UNC	1.4
M19173NK	9.53	19.05	No. 6 UNC	0.68	M19173NK	0.375	0.750	No. 6 UNC	1.5
M19174NK	12.70	25.40	No. 6 UNC	0.77	M19174NK	0.375	1.000	No. 6 UNC	1.7
M19175NK	12.70	12.70	No. 6 UNC	1.13	M19175NK	0.500	0.500	No. 6 UNC	2.5
M19176NK	12.70	19.05	No. 6 UNC	1.36	M19176NK	0.500	0.750	No. 6 UNC	3.0
M19177NK	12.70	25.40	No. 6 UNC	1.36	M19177NK	0.500	1.000	No. 6 UNC	3.0
M19178NK	15.88	12.70	No. 10 UNC	1.04	M19178NK	0.625	0.500	No. 10 UNC	2.3
M19179NK	15.88	19.05	No. 10 UNC	1.81	M19179NK	0.625	0.750	No. 10 UNC	4.0
M19180NK	15.88	25.40	No. 10 UNC	1.81	M19180NK	0.625	1.000	No. 10 UNC	4.0
M19181NK	19.05	12.70	No. 10 UNC	2.27	M19181NK	0.750	0.500	No. 10 UNC	5.0
M19182NK	19.05	19.05	No. 10 UNC	4.08	M19182NK	0.750	0.750	No. 10 UNC	9.0
M19183NK	19.05	25.40	No. 10 UNC	4.08	M19183NK	0.750	1.000	No. 10 UNC	9.0
M19184NK	25.40	12.70	1/4" UNC	3.18	M19184NK	1.000	0.500	1/4" UNC	7.0
M19185NK	25.40	19.05	1/4" UNC	6.35	M19185NK	1.000	0.750	1/4" UNC	14.0
M19186NK	25.40	25.40	1/4" UNC	7.26	M19186NK	1.000	1.000	1/4" UNC	16.0
M19187NK	31.75	12.70	1/4" UNC	2.72	M19187NK	1.250	0.500	1/4" UNC	6.0
M19188NK	31.75	19.05	1/4" UNC	6.80	M19188NK	1.250	0.750	1/4" UNC	15.0
M19189NK	31.75	25.40	1/4" UNC	9.98	M19189NK	1.250	1.000	1/4" UNC	22.0
M19190NK	31.75	31.75	1/4" UNC	11.34	M19190NK	1.250	1.250	1/4" UNC	25.0

Ceramic

- High resistance to demagnetization
- 80°C/176°F max. operating temp. (unless stated)

Ceramic Low Profile Channels

- Steel channels with ceramic magnets
- 9/32" (7mm) mounting holes



Product Number	Length	Width	Height	Pull Force	Product Number	Length	Width	Height	Pull Force
METRIC					IMPERIAL				
	mm	mm	mm	kg		in	in	in	lbs
E660	139.7	34.9	9.5	12	E660	5.5	1.4	0.4	28
E662	139.7	34.9	14.3	22	E662	5.5	1.4	0.6	49
E663	304.8	38.1	8.7	6	E663	12.0	1.5	0.3	15
E664	304.8	38.1	15.9	13	E664	12.0	1.5	0.6	30
E665	304.8	50.8	15.9	20	E665	12.0	2.0	0.6	45
E666	304.8	50.8	15.9	27	E666	12.0	2.0	0.6	60

Ceramic Pots

- Ideal for retail, display or industrial holding or mounting applications
- Style A: Nickel Plated Pot
- Style B: Shallow Pot With Bolt
- Style C: Shallow Pot With Loop



Style	Product Number	Diameter	Thickness	Pull Force	Style	Product Number	Diameter	Thickness	Pull Force
METRIC					IMPERIAL				
		mm	mm	kg			in	in	lbs
A	E680	31.8	4.8	2	A	E680	1.25	0.19	4
A	E681	51.6	7.9	17	A	E681	2.03	0.31	38
A	E682	66.8	9.7	37	A	E682	2.63	0.38	82
A	E683	82.6	11.2	43	A	E683	3.25	0.44	95
A	E2135	124.0	13.0	90	A	E2135	4.90	0.50	200
B	E692	30.6	30.2	2	B	E692	1.20	1.19	4
B	E693	51.6	46.0	17	B	E693	2.03	1.81	38
B	E694	57.2	30.2	5	B	E694	2.25	1.19	10
B	E695	66.7	50.8	37	B	E695	2.63	1.94	82
B	E696	96.8	47.6	43	B	E696	3.81	1.88	95
C	E697	66.5	50.8	37	C	E697	2.62	1.94	82
C	E698	82.6	30.2	43	C	E698	3.25	1.19	96

Ceramic Shallow Pots With Countersunk Hole

- For screw fixing



Product Number	Diameter	Thickness	Hole Size	Screw Head	Pull Force	Units / Pack
METRIC						
	mm	mm	mm		kg	
E876	25	7	5.5	M5	4.5	10
E877	32	7	5.5	M5	10.0	10
E878	40	8	5.5	M5	20.0	5
IMPERIAL						
	in	in	in		lbs	
E876	0.984	0.276	0.217	M5	9.9	10
E877	1.260	0.276	0.217	M5	22.0	10
E878	1.575	0.315	0.217	M5	44.1	5

Ceramic Pots With Hooks

- Max. operating temperature 120°C/248°F
- Mild steel pot painted white
- Ideal for retail or general display applications
- For hanging graphics, utensils, tools etc



Product Number	Diameter	Height	Thickness	Thread	Pull Force	Units / Pack
METRIC						
	mm	mm	mm		kg	
E879-RB	25	8	34	M4	4.0	1
E880-RB	32	8	34	M4	8.0	1
E881-RB	36	8	34	M4	10.0	1
IMPERIAL						
	in	in	in		lbs	
E879-RB	0.985	0.315	1.339	M4	8.8	1
E880-RB	1.260	0.315	1.339	M4	17.6	1
E881-RB	1.417	0.315	1.339	M4	22.0	1

Ceramic Shallow Pots With Threaded Hole

- Max. operating temperature 120°C/248°F
- Mild steel pot
- Zinc plated
- Female thread
- Ideal for mounting components with screw or bolt



Product Number	Diameter	Thickness	Overall Height	Thread	Pull Force	Units / Pack
METRIC						
	mm	mm	mm		kg	
E860	10	5	11.0	M3	0.4	20
E861	13	5	11.5	M3	1.0	20
E862	16	5	11.5	M3	1.8	20
E863	20	6	13.0	M3	3.0	10
E864	25	7	15.0	M4	4.0	10
E865	32	7	15.0	M4	8.0	5
E866	36	7	16.0	M4	10.0	5
E867	40	8	18.0	M5	12.5	5
E868	47	9	17.0	M4	18.0	1
E869	50	10	22.0	M6	22.0	1
E870	57	11	18.5	M4	28.0	1
E871	63	14	30.0	M8	35.0	1
E872	80	18	34.0	M10	60.0	1
E873	90	20	40.0	M10	70.0	1
E874	100	22	42.0	M12	90.0	1
E875	125	26	50.0	M14	130.0	1
IMPERIAL						
	in	in	in		lbs	
E860	0.394	0.177	0.433	M3	0.9	20
E861	0.512	0.177	0.453	M3	2.2	20
E862	0.629	0.177	0.453	M3	3.9	20
E863	0.787	0.236	0.512	M3	6.6	10
E864	0.984	0.276	0.591	M4	8.8	10
E865	1.260	0.276	0.591	M4	17.6	5
E866	1.417	0.276	0.630	M4	22.0	5
E867	1.575	0.315	0.709	M5	27.5	5
E868	1.850	0.354	0.669	M4	39.6	1
E869	1.969	0.394	0.866	M6	48.4	1
E870	2.240	0.433	0.728	M4	61.6	1
E871	2.480	0.551	1.181	M8	77.0	1
E872	3.150	0.708	1.339	M10	132.0	1
E873	3.543	0.787	1.575	M10	154.0	1
E874	3.937	0.866	1.654	M12	198.0	1
E875	4.921	1.024	1.969	M14	286.0	1

Round Base Magnet

- Style A: Shallow Pot
- Style B: Nickel Plated Pot
- Style C: Shallow Pot With Thread



Style	Product Number	Diameter	Thickness	Hole Size	Pull Force	Style	Product Number	Diameter	Thickness	Hole Size	Pull Force	
		mm	mm	mm	kg			in	in	in	lbs	
		METRIC							IMPERIAL			
A	E2100	30.7	4.34	3.18	1.8	A	E2100	1.21	0.171	0.125	4	
A	E2110	36.1	7.19	4.77	7.3	A	E2110	1.42	0.283	0.188	16	
A	E2116	35.6	7.19	5.08	7.3	A	E2116	1.40	0.283	0.190	16	
B	E2140	81.3	12.70	-	43.1	B	E2140	3.20	0.500	-	95	
C	E2115	43.2	7.62	10 UNC	5.4	C	E2115	1.70	0.300	10 UNC	12	

Samarium Cobalt

Samarium Cobalt Deep Pots

- Shell material Brass
- Max. operating temperature 200°C/392°F
- Ideal for use in jigs, assembly fixtures and positioning



Product Number	Diameter	Height	Pull Force	Product Number	Diameter	Height	Pull Force
METRIC				IMPERIAL			
	mm	mm	kg		in	in	lbs
E750	6	20	0.8	E750	0.236	0.787	1.8
E751	8	20	2.2	E751	0.315	0.787	4.8
E752	10	20	4.0	E752	0.394	0.787	8.8
E753	13	20	6.0	E753	0.512	0.787	13.2
E754	16	20	12.5	E754	0.630	0.787	27.5
E755	20	25	23.0	E755	0.787	0.984	50.6
E756	25	35	40.0	E756	0.984	1.378	88.0
E757	32	40	60.0	E757	1.260	1.575	132.0

Samarium Cobalt Shallow Pots

- Shell material Steel
- Max. operating temperature 200°C/392°F
- Ideal for use in jigs, assembly fixtures and assemblies



Product Number	Diameter	Height	Pull Force	Product Number	Diameter	Height	Pull Force
METRIC				IMPERIAL			
	mm	mm	kg		in	in	lbs
E760	6	4.5	0.5	E760	0.236	0.177	1.1
E761	8	4.5	1.1	E761	0.315	0.177	2.4
E762	10	4.5	2.0	E762	0.394	0.177	4.4
E763	13	4.5	4.0	E763	0.512	0.177	8.8
E764	16	4.5	6.0	E764	0.630	0.177	13.2
E765	20	6.0	9.0	E765	0.787	0.236	19.8
E766	25	7.0	15.0	E766	0.984	0.276	33.0
E767	32	7.0	22.0	E767	1.260	0.276	48.4