

We are proud of our magnet heritage which began in 1914. In fact our Heritage range is globally recognized as a symbol of high quality craftsmanship and guaranteed high performance. Over the years, we have set the benchmark for magnet quality and pioneered magnet designs which have become the industry norm worldwide.

Alnico

- Alnico 5 magnet material (unless stated)
- Magnetically stable at high temp.
- 550°C/1022°F max. operating temp. (unless stated)
- Good corrosion resistance

Alnico Cylindrical Bars

- Sold in pairs
- Typical Applications: Reed switches, hall effect sensors, coin operated machines, security instruments, electrical meters, circuit boards



Product Number	Diameter	Length	Pairs / Pack
METRIC			
	mm	mm	
E805	6	20	10
E806	8	25	5
E807	10	30	5
IMPERIAL			
	in	in	
E805	0.236	0.787	10
E806	0.314	0.984	5
E807	0.393	1.181	5

Alnico Rectangular Bars

- Sold in pairs
- North pole indicated by notch
- Typical Applications: Components for reed switches, relays, hall effect sensors, oil filters, educational use, laboratory use



Product Number	Material	Length	Width	Height	Pairs / Pack
METRIC					
		mm	mm	mm	
E842	Alnico 2	50	15.0	10	2
E843	Alnico 2	75	15.0	10	2
E844	Alnico 5	20	10.0	5	5
E845	Alnico 5	40	12.5	5	5
E846	Alnico 5	60	15.0	5	5
IMPERIAL					
		in	in	in	
E842	Alnico 2	1.968	0.590	0.393	2
E843	Alnico 2	2.953	0.590	0.393	2
E844	Alnico 5	0.787	0.393	0.197	5
E845	Alnico 5	1.575	0.492	0.197	5
E846	Alnico 5	2.362	0.590	0.197	5

Alnico Minor

- Typical Applications: Educational use, DIY use, attracting, holding or clamping steel parts



Product Number	Length	Width	Height	Pole Gap	Pull Force	Units / Pack
METRIC						
	mm	mm	mm	mm	kg	
E801	22.2	7.9	11.1	6.3	0.9	10
IMPERIAL						
	in	in	in	in	lbs	
E801	0.874	0.311	0.437	0.252	2.0	10

Alnico Buttons

- Max temperature 220°C / 428°F
- Typical Applications: Paint plant jigs, damping applications, relay switches, temperature sensitive devices



Product Number	Diameter	Height	Slot Size (Min-Max)	Hole Size	Pull Force	Units / Pack
METRIC						
	mm	mm	mm	mm	kg	
E821	12.7	9.5	4.0-7.2	4.4	0.7	10
E822	19.1	12.7	5.6-8.7	4.8	1.9	10
E823	25.4	15.9	5.6-8.7	4.8	3.4	10
E824	31.8	25.4	8.0-12.7	7.1	4.8	2
E825	22.2	19.1	6.3-6.3	4.8	3.0	10
IMPERIAL						
	in	in	in	in	lbs	
E821	0.500	0.375	0.16-0.28	0.177	1.5	10
E822	0.750	0.500	0.22-0.34	0.188	4.2	10
E823	1.000	0.625	0.22-0.34	0.188	7.5	10
E824	1.250	1.000	0.31-0.50	0.279	10.6	2
E825	0.874	0.750	0.25-0.25	0.188	6.6	10

Alnico Pockets

- E802 Alnico 5
- E803 Alnico 2
- Typical Applications: Educational use, DIY use, holding and clamping steel parts



Product Number	Length	Width	Height	Width Of Gap	Pull Force	Units / Pack
METRIC						
	mm	mm	mm	mm	kg	
E802	28.5	7.6	25.4	6.3	2.4	10
E803	33.3	15.9	35.0	7.9	4.0	5
IMPERIAL						
	in	in	in	in	lbs	
E802	1.122	0.299	1.000	0.248	5.3	10
E803	1.311	0.625	1.378	0.311	8.8	5

Alnico Power Magnets

- Typical Applications: Retrieval, welding/soldering fixtures, ultrasonic testing, crack detection, general attracting, clamping and holding steel parts



Product Number	Length	Width	Height	Width Of Gap	Hole Size	Hole Centres	Pull Force	Units / Pack
METRIC								
	mm	mm	mm	mm	mm	mm	kg	
811	30	20	20	15	5	n/a	5	5
812	40	25	25	20	5	n/a	9	5
813	45	30	30	23	5	n/a	12	2
814	57	41	35	28	2 x 7.9	32	24	1
815	70	57	41	34	2 x 7.9	38	37	1
816	79	83	54	39	2 x 9.5	43	47	1
817	60	62	40	32	n/a	n/a	35	1
818	79	86	54	48	n/a	n/a	60	1
IMPERIAL								
	in	in	in	in	in	in	lbs	
811	1.181	0.787	0.787	0.590	0.197	n/a	10	5
812	1.575	0.984	0.984	0.787	0.197	n/a	20	5
813	1.771	1.181	1.181	0.906	0.197	n/a	26	2
814	2.283	1.594	1.377	1.094	2 x 0.311	1.260	52	1
815	2.756	2.251	1.625	1.342	2 x 0.311	1.496	82	1
816	3.125	3.250	2.125	1.515	2 x 0.374	1.693	103	1
817	2.374	2.440	1.575	1.250	n/a	n/a	77	1
818	3.125	3.374	2.125	1.874	n/a	n/a	132	1

Alnico Shallow Pots

- Max operating temperature 450°C / 842°F
- Mild steel pot
- Typical Applications: For height restricted applications, gripping, lifting, positioning jigs, soldering fixtures, general securing and fixtures



Product Number	Diameter	Thickness	Hole Size	Screw Head Size	Pull Force	Units / Pack
METRIC						
	mm	mm	mm		kg	
826	19.1	7.5	3.7-6.7	M3 csk	3.0	10
827	28.6	8.7	4.8-8.6	M4 csk	5.0	10
828	38.1	10.4	4.8-8.6	M4 csk	13.0	5
IMPERIAL						
	in	in	in		lbs	
826	0.750	0.295	0.145-0.263	M3 csk	6.6	10
827	1.125	0.344	0.189-0.339	M4 csk	11.0	10
828	1.500	0.407	0.189-0.339	M4 csk	28.6	5

Alnico Deep Pots

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



Product Number	Diameter	Height	Thread Size	Pull Force	Units / Pack	Product Number	Diameter	Height	Thread Size	Pull Force	Units / Pack
METRIC						IMPERIAL					
	mm	mm		kg			in	in		lbs	
829	9.5	15	M3	1.0	10	829	0.375	0.594	M3	2.2	10
830	12.7	16	M4	2.0	10	830	0.500	0.625	M4	4.4	10
831NF	17.5	16	10 UNF	2.7	10	831NF	0.689	0.629	10 UNF	5.8	10
832NF	20.5	19	10 UNF	4.0	5	832NF	0.807	0.748	10 UNF	8.8	5
833NF	27.0	25	10 UNF	6.1	5	833NF	1.062	1.000	10 UNF	13.4	5
834NF	35.0	30	10 UNF	14.8	2	834NF	1.377	1.181	10 UNF	32.5	2

Ceramic

- High resistance to demagnetization

Ceramic Channels

- Max operating temperature 120°C / 248°F
- Mild steel body



Product Number	Length	Width	Height	Plain Fixing Holes	Hole Centres	Pull Force	Units / Pack
METRIC							
	mm	mm	mm	mm	mm	kg	
E898/2	130	30	13	4.2	90	14	5
E899	190	43	13	4.2	110	48	2
IMPERIAL							
	in	in	in	in	in	lbs	
E898/2	5.12	1.81	0.512	0.165	3.54	31	5
E899	7.48	1.69	0.512	0.165	4.33	106	2

Ceramic Shallow Pots With Hook

- Max operating temperature 120°C/248°F
- Mild steel pot
- Removable hook
- Typical Applications: For height restricted applications, light lifting, holding, securing and clamping



With M6 tapped holes

Product Number	Diameter	Thickness	Thread	Pull Force	Units / Pack	Product Number	Diameter	Thickness	Thread	Pull Force	Units / Pack		
METRIC						IMPERIAL							
	mm	mm		kg			in	in		lbs			
E890	46	10.7	M6	6	5	E890	1.811	0.421	M6	13.2	5		
E891	56	10.7	M6	16	5	E891	2.205	0.421	M6	35.2	5		
E892	66	10.7	M6	25	5	E892	2.598	0.421	M6	55.0	5		
Product Number													
Diameter													
Height													
Fixing Stud Centres PCD M6													
Central Fixing Point													
Pull Force													
Units / Pack													
METRIC						IMPERIAL							
	mm	mm		kg			in	in		lbs			
E895	66	10.7	46mm - 3 holes	M6	25	1	E895	2.598	0.421	1.811in - 3 holes	M6	55	1
E896	76	12.5	46mm - 3 holes	M6	33	1	E896	2.992	0.492	1.811in - 3 holes	M6	73	1
E897	100	15.5	70mm - 3 holes	M6	55	1	E897	3.937	0.590	2.756in - 3 holes	M6	121	1

