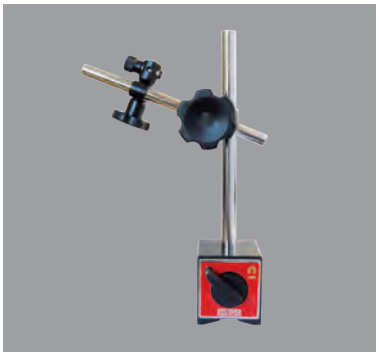
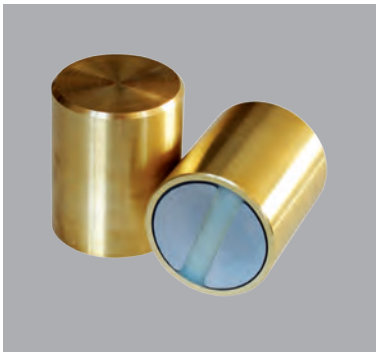
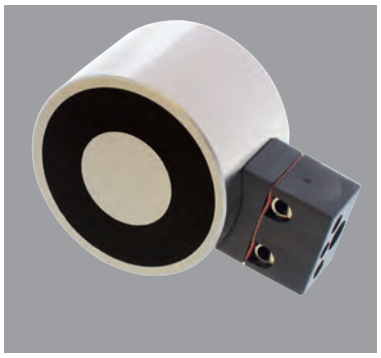
ECLIPSE MAGNETICS







Magnetic Products

For industrial, commercial and retail applications

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Manufactured under an ISO 9001 registered quality management system.

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FM31278

ECLIPSE MAGNETICS

A world leader in magnetic technology

Eclipse Magnetics is at the forefront of developments in magnetic materials and design. With over 100 years experience, we have a proven track record for supplying quality products and providing total customer support to some of the leading names in industry.

Eclipse Tools North America Inc., is a wholly owned subsidiary of Spear & Jackson PLC, and is responsible for the sales, distribution and customer service of our group's magnetics, hand tools and metrology products under the professional brands- Eclipse Magnetics, Neill Tools, Spear & Jackson, Moore & Wright - throughout North America.

You've used our products...
There's a very good chance that today you've used something that either contains or was manufactured with the aid of an Eclipse Magnetics product.

Our range includes over 20,000 magnets and magnetic products which are used in most industries, including automotive, steel, food, environmental, communications, petrochemical, and engineering as well as in commercial, office and retail premises. Almost all our products are available direct from stock.

Worldwide reach
Our sales and service network provides technical advice and support all over the world.

Contents



*All dimensions quoted are nominal, Eclipse Magnetics reserve the right to change any details without notice.

Magnet Materials

Alnico AlNiCo

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

Alnico Cylindrical Bar Magnets

Supplied in pairs.

Product No.	Diameter	Length	Weight per pair	Pairs / pack
METRIC	mm		kg	
E805	6	20	0.02	10
E806	8	25	0.04	5
E807	10	30	0.07	5
IMPERIAL	inches		lb	
E805	0.236	0.787	0.04	10
E806	0.314	0.984	0.09	5
E807	0.393	1.181	0.15	5

Alnico Rectangular Bar Magnets

North pole is indicated by a notch.
Supplied in pairs.

Product No.	Length	Width	Height	Weight / pair	Material	Pairs / pack
METRIC	mm			kg		
E844	20	10.0	5	0.03	Alnico 5	5
E845	40	12.5	5	0.04	Alnico 5	5
E846	60	15.0	5	0.13	Alnico 5	5
E842	50	15.0	10	0.22	Alnico 2	2
E843	75	15.0	10	0.33	Alnico 2	2
IMPERIAL	inches			lb		
E844	0.787	0.393	0.197	0.07	Alnico 5	5
E845	1.575	0.492	0.197	0.09	Alnico 5	5
E846	2.362	0.590	0.197	0.29	Alnico 5	5
E842	1.968	0.590	0.393	0.48	Alnico 2	2
E843	2.953	0.590	0.393	0.73	Alnico 2	2

Alnico Button Magnets

Product No.	Diameter	Height	Slot Size (Min–Max)	Hole size	Weight	Max pull	Units / pack
METRIC	mm				kg		
E821	12.5	9.5	4.0–7.2	4.5	0.01	0.7	10
E822	19.1	12.7	5.6–8.7	4.8	0.02	1.9	10
E823	25.4	15.9	5.6–8.7	4.8	0.05	3.4	10
E824	31.8	25.4	8.0–12.7	7.1	0.11	4.8	2
E825	22.2	19.1	6.4–6.4	4.8	0.05	3.0	10
IMPERIAL	inches				lb		
E821	0.500	0.375	0.16–0.28	0.177	0.01	1.5	10
E822	0.750	0.500	0.22–0.34	0.188	0.04	4.2	10
E823	1.000	0.625	0.22–0.34	0.188	0.11	7.5	10
E824	1.250	1.000	0.31–0.50	0.279	0.25	10.6	2
E825	0.874	0.750	0.25–0.25	0.188	0.11	6.6	10

Alnico Minor Magnets

Product No.	Depth	Height	Width	Pole gap	Weight	Max Pull	Units / pack
METRIC	mm				kg		
E801	7.9	11.1	22.2	6.4	0.02	0.9	10
IMPERIAL	inches				lb		
E801	0.311	0.437	0.874	0.252	0.04	2.0	10

Alnico Pocket Magnets

E802 **Alnico 5**,
E803 **Alnico 2**

Product No.	Length	Height	Width	Width of gap	Weight	Max Pull	Units / pack
METRIC	mm				kg		
E802	22.2	25.4	7.9	6.4	0.03	2.4	10
E803	27.0	35.0	15.9	7.9	0.09	4.0	5
IMPERIAL	inches				lb		
E802	0.874	1.000	0.311	0.252	0.07	5.3	10
E803	1.063	1.378	0.625	0.311	0.20	8.8	5

Alnico Power Magnets

Product No.	Length	Height	Width	Width of gap	Hole size	Weight	Max pull	Units / pack
METRIC			**mm**				**kg**	
811	30	20	20	15	5	0.06	5	5
812	40	25	25	20	5	0.12	9	5
813	45	30	30	23	5	0.18	12	2
814	58	35	41	28	2 × 7.9	0.37	24	1
815	70	41	57	34	2 × 7.9	0.71	37	1
816	79	54	83	39	2 × 9.5	1.45	47	1
817	60	40	62	32	n/a	0.80	35	1
818	79	54	86	48	n/a	1.80	60	1
IMPERIAL			**inches**				**lb**	
811	1.181	0.787	0.787	0.590	0.197	0.13	10	5
812	1.575	0.984	0.984	0.787	0.197	0.26	20	5
813	1.771	1.181	1.181	0.906	0.197	0.40	26	2
814	2.283	1.377	1.594	1.094	2 × 0.311	0.81	52	1
815	2.756	1.625	2.251	1.342	2 × 0.311	1.56	82	1
816	3.125	2.125	3.250	1.515	2 × 0.374	3.19	103	1
817	2.374	1.575	2.440	1.250	n/a	1.76	77	1
818	3.125	2.125	3.374	1.874	n/a	3.96	132	1

Alnico Deep Pots

Material **Alnico 5** (magnet), **mild steel** (body), **aluminum** (spacer)
Max temperature **220°C** / **428°F**

Product No.	Diameter	Height	Thread size	Weight	Max pull	Units / pack
METRIC		**mm**			**kg**	
829	9.5	15	M3	0.01	1.0	10
830	12.7	16	M4	0.02	2.0	10
831NF	17.5	16	10 UNF	0.02	2.7	10
832NF	20.5	19	10 UNF	0.04	4.0	5
833NF	27.0	25	10 UNF	0.09	6.1	5
834NF	35.0	30	10 UNF	0.18	14.8	2
IMPERIAL		**inches**			**lb**	
829	0.375	0.594	M3	0.01	2.2	10
830	0.500	0.625	M4	0.03	4.4	10
831NF	0.689	0.629	10 UNF	0.05	5.8	10
832NF	0.807	0.748	10 UNF	0.09	8.8	5
833NF	1.062	1.000	10 UNF	0.19	13.4	5
834NF	1.377	1.181	10 UNF	0.41	32.5	2

Alnico Deep Pots

Material **Alnico 5**, **mild steel shell**, **brass spacer**
Max temperature **400°C** / **752°F**
For fixturing and press fit installation.

Product No.	Diameter		Height	Weight	Pull
METRIC	**mm**			**g**	**N**
E730	6	10		2	2
E731	8	12		4	3
E732	10	16		9	5
E733	13	18		17	10
E734	16	20		29	15
E735	20	25		57	35
E736	25	30		110	80
E737	32	35		200	150
E738	40	45		420	200
E739	50	50		720	350

Product No.	Diameter		Height	Weight	Pull
IMPERIAL	**inches**			**lb**	**lb**
E730	0.236	0.394		0.01	0.4
E731	0.315	0.472		0.01	0.7
E732	0.394	0.630		0.02	1.1
E733	0.512	0.708		0.04	2.2
E734	0.630	0.787		0.06	3.3
E735	0.787	0.984		0.13	7.7
E736	0.984	1.181		0.24	17.6
E737	1.260	1.378		0.44	33.0
E738	1.575	1.772		0.93	44.0
E739	1.969	1.969		1.59	77.0

Alnico Shallow Pots

Material **Alnico 5** (magnet), **mild steel** (body)

Product No.	Diameter	Height	Hole size M3 (csn)	Screw head size	Weight	Max pull	Units / pack
METRIC		**mm**				**kg**	
826	19.1	7.5	3.7–6.7	M3 Csk	0.01	3	10
827	28.6	8.7	4.8–8.6	M4 Csk	0.03	5	10
828	38.1	10.4	4.8–8.6	M4 Csk	0.08	13	5
IMPERIAL		**inches**				**lb**	
826	0.750	0.295	0.145–0.263	M3 Csk	0.02	6.6	10
827	1.125	0.344	0.189–0.339	M4 Csk	0.06	11.0	10
828	1.500	0.407	0.189–0.339	M4 Csk	0.16	28.6	5

Magnet Materials

Ceramic

- 80°C / 176°F max. operating temp.
- High resistance to demagnetisation

Ceramic Channels

Channel magnet with a mild steel shell.

Product No.	Length	Width	Height	Plain fixing holes	Weight (each)	Max pull	Units / pack
METRIC	mm				kg		
E898/2	130	30	13	4.2	0.25	14	5
E899	190	43	13	4.2	0.50	48	2
IMPERIAL	inches				lb		
E898/2	5.12	1.81	0.512	0.165	0.55	31	5
E899	7.48	1.69	0.512	0.165	1.10	106	2

Ceramic Shallow Pots

Especially suitable for bases for machine tool.

Product No.	Diameter	Height	Thread Size	Weight	Max pull	Units / pack
METRIC	mm			kg		
E890	46	10.7	M6	0.09	6	5
E891	56	10.7	M6	0.13	16	5
E892	66	10.7	M6	0.19	25	5
IMPERIAL	inches			lb		
E890	1.811	0.421	M6	0.20	13.2	5
E891	2.205	0.421	M6	0.29	35.2	5
E892	2.598	0.421	M6	0.42	55.0	5

Heavy Duty Ceramic Shallow Pots

Especially suitable for bases for machine tool accessories.

Three M6 tapped holes with removable jacking screw.

Product No.	Diameter	Height	Fixing stud centres PCD	Central fixing point	Weight	Max pull	Units / pack
METRIC	mm				kg		
E895	66	10.7	46 - 3 holes	M6	0.27	25	1
E896	76	12.5	46 - 3 holes	M6	0.30	33	1
E897	100	15.0	63 - 3 holes	M6	0.61	55	1
IMPERIAL	inches				lb		
E895	2.598	0.421	1.811 - 3 holes	M6	0.59	55	1
E896	2.992	0.492	1.811 - 3 holes	M6	0.66	73	1
E897	3.397	0.590	2.480 - 3 holes	M6	1.34	121	1

Ceramic Magnetic Hooks

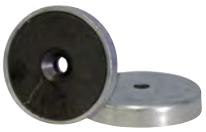
Max temperature **100°C / 212°F**
Ideal for hanging applications e.g. supermarket signage.

Product No.	Diameter	Height	Pull
METRIC	mm		N
E879	25	34	40
E880	32	34	80
E881	36	34	100

Product No.	Diameter	Height	Pull
IMPERIAL	inches		lb
E879	0.985	1.339	8.8
E880	1.260	1.339	17.6
E881	1.417	1.339	22.0

Ceramic Shallow Pots Fixed Hole

Shell material **Steel**
Max temperature **100°C / 212°F**
Countersunk through-holes for easy fixing.



Product No.	Dia.	Height	Hole Size	Weight	Pull
METRIC	mm			g	N
E876	25	7	4.2	16	36
E877	32	7	5.5	27	72
E878	40	8	5.5	53	90

Product No.	Dia.	Height	Hole Size	Weight	Pull
IMPERIAL	inches			lb	lb
E876	0.984	0.276	0.165	0.04	7.9
E877	1.260	0.276	0.217	0.06	15.8
E878	1.575	0.315	0.217	0.12	19.8

Ceramic Pots Thread Hold

Shell material **Steel**
Max temperature **100°C / 212°F**
Threaded female bush allows for easy fixing. Ideal for all fixing applications.

Product No.	Diameter	Height	Weight	Thread size	Pull
METRIC	mm		g		N
E860	10	5	3	M3	4
E861	13	5	5	M3	10
E862	16	5	6	M3	18
E863	20	6	11	M3	30
E864	25	7	22	M4	40
E865	32	7	32	M4	80
E866	36	7	45	M4	100
E867	40	8	60	M5	125
E868	47	9	90	M4	180
E869	50	10	110	M6	220
E870	57	11	145	M4	280
E871	63	14	240	M8	350
E872	80	18	520	M10	600
E873	90	20	820	M10	700
E874	100	22	940	M12	900
E875	125	26	1700	M14	1300

Product No.	Diameter	Height	Weight	Thread size	Pull
IMPERIAL	inches		lb		lb
E860	0.394	0.177	0.01	M3	0.9
E861	0.512	0.177	0.01	M3	2.2
E862	0.629	0.177	0.01	M3	3.9
E863	0.787	0.236	0.02	M3	6.6
E864	0.984	0.276	0.05	M4	8.8
E865	1.260	0.276	0.07	M4	17.6
E866	1.417	0.276	0.10	M4	22.0
E867	1.575	0.315	0.13	M5	27.5
E868	1.850	0.354	0.20	M4	39.6
E869	1.969	0394	024	M6	48.4
E870	2.240	0.433	0.32	M4	61.6
E871	2.480	0.551	053	M8	77.0
E872	3.150	0.708	1.14	M10	132.0
E873	3.543	0.787	1.82	M10	154.0
E874	3.937	0.866	2.07	M12	198.0
E875	4.921	1.024	3.74	M14	286.0

- Neodymium iron boron 'rare earth' material
- Strongest magnet material available
- 80°C max. operating temp. (unless stated)
- N35 grade (Nickel plated)
- Custom designs available

Neodymium NdFeB

Neodymium Discs

Nickel plated neodymium disc magnets.
Max temperature **120°C** / **248°F**

Product No.	Units in pack	Dimensions	Pull figure
METRIC		mm	kg
N100	10	3.0 D × 1.5	0.3
N101	10	4.7 D × 1.5	0.4
N104	5	5.6 D × 12.7	1.9
N105	10	6.4 D × 2.5	0.5
N106	10	6.4 D × 3.2	0.6
N108	10	6.4 D × 5.1	1.5
N109	10	6.4 D × 6.4	1.6
N110	5	6.4 D × 12.7	1.9
N112	10	9.5 D × 1.5	0.8
N114	10	9.5 D × 3.2	1.6
N115	10	9.5 D × 4.7	1.8
N117	10	9.5 D × 6.4	2.1
N119	5	9.5 D × 12.7	3.3
N120	10	12.7 D × 1.5	1.4
N121	10	12.7 D × 3.2	2.1
N124	10	12.7 D × 6.4	3.2
N125	5	12.7 D × 9.5	6.5
N126	5	12.7 D × 12.7	8.6
N127	5	19.1 D × 9.5	10.0

Product No.	Units in pack	Dimensions	Pull figure
IMPERIAL		inches	lb
N100	10	0.12 D × 0.06	0.7
N101	10	0.19 D × 0.06	0.8
N104	5	0.22 D × 0.50	4.1
N105	10	0.25 D × 0.10	1.2
N106	10	0.25 D × 0.13	1.4
N108	10	0.25 D × 0.20	3.3
N109	10	0.25 D × 0.25	3.5
N110	5	0.25 D × 0.50	4.3
N112	10	0.38 D × 0.06	1.8
N114	10	0.38 D × 0.13	3.6
N115	10	0.38 D × 0.19	4.0
N117	10	0.38 D × 0.25	4.7
N119	5	0.38 D × 0.50	7.2
N120	10	0.50 D × 0.06	3.0
N121	10	0.50 D × 0.13	4.6
N124	10	0.50 D × 0.25	7.0
N125	5	0.50 D × 0.38	14.3
N126	5	0.50 D × 0.50	19.0
N127	5	0.75 D × 0.38	22.0

Nickel Plated Pots

Nickel plated pots with neodymium or ceramic magnet material.

Product No.	Material	Dimensions	Pull figure
METRIC		mm	kg
E680	Ceramic	31.8 D × 4.8	2
E681	Ceramic	51.6 D × 7.9	17
E682	Ceramic	66.8 D × 9.7	37
E683	Ceramic	82.6 D × 11.2	43
E684	Neodymium	51.6 D × 4.6	67
E685	Neodymium	66.5 D × 9.4	91
IMPERIAL		inches	lb
E680	Ceramic	1.25 D × 0.19	4
E681	Ceramic	2.03 D × 0.31	38
E682	Ceramic	2.63 D × 0.38	82
E683	Ceramic	3.25 D × 0.44	95
E684	Neodymium	2.03 D × 0.18	148
E685	Neodymium	2.62 D × 0.37	200

Neo-Hold Bi-Pole Pots

Material **neodymium iron boron** (magnet), **aluminum** (body)
Max temperature **100°C** / **212°F**

Product No.	Diameter	Height	Thread size	Weight	Max pull	Units / pack
METRIC	mm			kg		
NH 025	12.7	11.6	M5	0.01	2	10
NH 065	16.0	15.6	M6	0.02	5	10
NH 130	22.0	20.0	M6	0.04	9	5
NH 240	25.0	25.0	M6	0.07	15	5
IMPERIAL	inches			lb		
NH 025	0.500	0.457	M5	0.02	4.4	10
NH 065	0.630	0.614	M6	0.04	11.0	10
NH 130	0.866	0.787	M6	0.09	19.8	5
NH 240	0.984	0.984	M6	0.15	33.0	5

Pot Magnets

Neodymium NdFeB

- Neodymium iron boron 'rare earth' material
- Strongest magnet material available
- 80°C max. operating temp. (unless stated)
- N35 grade (Nickel plated)
- Custom designs available

Shallow Pots With Loop

Nickel plated shallow pots. Neodymium or ceramic magnet material, with loop.

Product No.	Material	Dimensions	Pull figure
METRIC		mm	kg
E689	Neodymium	51.6 D × 20.6	43
E690	Neodymium	51.6 D × 20.6	67
E691	Neodymium	66.5 D × 25.4	91
E697	Ceramic	66.5 D × 50.8	37
E698	Ceramic	82.6 D × 30.2	43
IMPERIAL		inches	lb
E689	Neodymium	2.03 D × 0.81	95
E690	Neodymium	2.03 D × 0.81	148
E691	Neodymium	2.62 D × 1 .00	200
E697	Ceramic	2.62 D × 1.94	82
E698	Ceramic	3.25 D × 1.19	96

Shallow Pots With Bolt

Nickel plated shallow pots. Neodymium or ceramic magnet material with bolt and nuts (supplied).

Product No.	Material	Dimensions	Pull figure
METRIC		mm	kg
E686	Neodymium	51.6 D × 4.6	43
E687	Neodymium	51.6 D × 4.6	67
E688	Neodymium	66.5 D × 9.4	91
E692	Ceramic	30.6 D × 30.2	2
E693	Ceramic	51.6 D × 46.0	17
E694	Ceramic	57.2 D × 30.2	5
E695	Ceramic	66.7 D × 50.8	37
E696	Ceramic	96.8 D × 47.6	43
IMPERIAL		inches	lb
E686	Neodymium	2.03 D × 0.18	95
E687	Neodymium	2.03 D × 0.18	148
E688	Neodymium	2.62 D × 0.37	200
E692	Ceramic	1.20 D × 1.19	4
E693	Ceramic	2.03 D × 1.81	38
E694	Ceramic	2.25 D × 1.19	10
E695	Ceramic	2.63 D × 1.94	82
E696	Ceramic	3.81 D × 1.88	95

Samarium Cobalt SmCo

- Custom designs available

Samarium Cobalt Deep Pots

Shell material **Brass**
Max temperature **200°C / 392°F**
Use in jigs, assembly fixtures and positioning. Designed for press fit installation. High pull to surface area ratio.

Product No.	Diameter	Height	Weight	Pull
METRIC	mm		g	N
E750	6	20	4	8
E751	8	20	7	22
E752	10	20	11	40
E753	13	20	19	60
E754	16	20	29	125
E755	20	25	57	230
E756	25	35	128	400
E757	32	40	228	600

Product No.	Diameter	Height	Weight	Pull
IMPERIAL	inches		lb	lb
E750	0.236	0.787	0.008	1.8
E751	0.315	0.787	0.015	4.8
E752	0.394	0.787	0.024	8.8
E753	0.512	0.787	0.041	13.2
E754	0.630	0.787	0.063	27.5
E755	0.787	0.984	0.126	50.6
E756	0.984	1.378	0.282	88.0
E757	1.260	1.575	0.503	132.0

Samarium Cobalt Shallow Pots

Shell material **Steel**
Max temperature **200°C / 392°F**
Samarium cobalt gives higher operating temperature. Use in in jigs, fixtures and assemblies.

Product No.	Diameter	Height	Weight	Pull
METRIC	mm		g	N
E760	6	4.5	1.0	5
E761	8	4.5	1.5	11
E762	10	4.5	2.5	12
E763	13	4.5	4.5	40
E764	16	4.5	6.5	60
E765	20	6.0	15.0	90
E766	25	7.0	22.0	150
E767	32	7.0	40.0	220

Product No.	Diameter	Height	Weight	Pull
IMPERIAL	inches		lb	lb
E760	0.236	0.177	0.002	1.1
E761	0.315	0.177	0.003	2.4
E762	0.394	0.177	0.005	2.6
E763	0.512	0.177	0.010	8.8
E764	0.630	0.177	0.014	13.2
E765	0.787	0.236	0.033	19.8
E766	0.984	0.276	0.048	33.0
E767	1.260	0.276	0.088	48.4

Magnetic Trays

Stainless steel trays with rubber coated ferrite (ceramic) magnet in base. Holds ferrous objects to the tray and the tray to ferrous objects.

E630

E633

E631

E634

E632

Product No.	Dimensions
METRIC	**mm**
E630	360.7 × 130.0
E631	292.1 × 271.8
E632	241.3 × 142.2
E633	149.9 D
E634	109.2 D
IMPERIAL	**inches**
E630	14.2 × 6.3
E631	11.5 × 10.7
E632	9.5 × 5.6
E633	5.9 D
E634	4.3 D

Low Profile Channels

Steel channels with ferrite magnets: 9⁄32" (7mm) mounting holes.

Product No.	Dimensions	Pull figure
METRIC	**mm**	**kg**
E660	139.7 × 34.9 × 9.5	12
E662	139.7 × 34.9 × 14.3	22
E663	304.8 × 38.1 × 8.7	6
E664	304.8 × 38.1 × 15.9	13
E665	304.8 × 50.8 × 15.9	20
E666	304.8 × 63.5 × 15.9	27
IMPERIAL	**inches**	**lb**
E660	5.5 × 1.4 × 0.4	28
E662	5.5 × 1.4 × 0.6	49
E663	12.0 × 1.5 × 0.3	15
E664	12.0 × 1.5 × 0.6	30
E665	12.0 × 2.0 × 0.6	45
E666	12.0 × 2.5 × 0.6	60

Print Holder

Ceramic magnet with plastic handle.

Product No.	Dimensions	Pull figure
METRIC	**mm**	**kg**
E670	25.4 × 25.4	0.9
E671	60.3 × 28.6	10.4
E672	60.3 × 28.6	17.3
E673	76.2 × 63.5	20.4
IMPERIAL	**inches**	**lb**
E670	1.0 × 1.0	2
E671	2.4 × 1.1	23
E672	2.0 × 1.6	38
E673	3.0 × 2.5	45

Flexible Magnets

Material **Strontium Ferrite**
Max temperature **80°C** / **176°F**
Supplied in sheet, strip and adhesive backed finishes.Flexible strip and sheets available with a coloured vinyl finish. Can be cut with scissors.

Reverse is non-magnetic

Adhesive backed flexible magnets

Product No.	Width	Thickness	Length	Units / pack
METRIC	**mm**		**m**	
FM 660	7.5	0.75	10	1
FM 661	12.5	0.75	10	1
FM 662	20.0	0.75	10	1
EM 884-R	13.0	0.50	1	1
IMPERIAL	**inches**		**feet**	
FM 660	0.295	0.03	32.8	1
FM 661	0.492	0.03	32.8	1
FM 662	0.787	0.03	32.8	1
EM 884-R	0.511	0.02	3.3	1

Plain flexible magnetic strip

Product No.	Width	Thickness	Length	Units / pack
METRIC	**mm**		**m**	
FM 670	9.5	3.6	10	1
FM 671	11.0	4.6	10	1
FM 672	15.0	6.4	10	1
EM 880-R	9.5	3.6	2	1
IMPERIAL	**inches**		**feet**	
FM 670	0.375	0.141	32.8	1
FM 671	0.433	0.181	32.8	1
FM 672	0.590	0.251	32.8	1
EM 880-R	0.375	0.141	6.6	1

Magnetic Variable Clamp

Maximum temperature **120°C / 248°F**
Fast accurate holding of ferrous sheets and tubes for welding and assembly work.

Product No.	Length	Height	Width	Weight	Pull
METRIC		mm		kg	
E952	195	200	11	0.49	20
IMPERIAL		inches		lb	
E952	7.68	7.87	0.43	1.10	44

NB Dimensions with arms set at 90°

Heavy Duty Variable Clamp

Clamp components during welding, fabrication and assembly applications.
Powerful 40kg (88lb) clamping force, enables larger components to be clamped with ease.

Product No.	Length	Height	Width	Weight	Pull
METRIC		mm		kg	
E974	140	140	35	1.40	40
IMPERIAL		inches		lb	
E974	5.51	5.51	1.38	3.10	88

90° Fixed Clamps

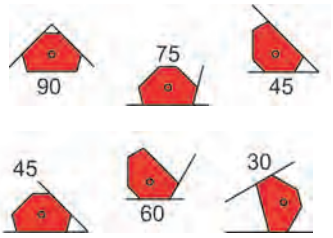
Two magnetic faces in a rigid 90° angle for jigging on sheets, pipes and tubes.

A fast and cost effective means of clamping components rigid at 90° angles during fabrication, assembly and weld preparation applications.

Product No.	Length	Height	Width	Weight	Pull
METRIC		mm		kg	
E971	140	140	35	1.40	40
E972	225	225	22	2.20	75
E973	300	300	35	4.70	200
IMPERIAL		inches		lb	
E971	5.51	5.51	1.38	3.1	88
E972	8.86	8.86	0.87	4.8	165
E973	11.81	11.81	1.38	10.3	440

Quick Clamps

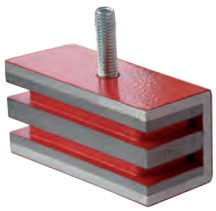
Fast and accurate holding of ferrous metals at different fixed angles.
Also suitable for retrieval applications.



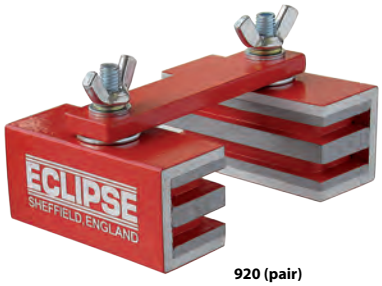
Product No.	Length	Height	Width	Weight	Pull
METRIC		mm		kg	
E951	100.5	65	12	0.3	10
E953	100.5	65	21	0.4	15
IMPERIAL		inches		lb	
E951	3.95	2.56	0.47	0.66	22
E953	3.95	2.56	0.83	0.88	33

Adjustable Links

Clamping components at any angle for welding and assembly applications.



920 SU



920 (pair)

920 SUOT

920 OTPR

Product No.	Length	Height	Width	Weight	Pull
METRIC		mm		kg	
920SU - single unit	60	25	29	0.35	13
920 pair	127	25	51	0.70	13
920SUOT -original type single	60	25	29	0.32	12
920OTPR - original type pair	127	25	29	0.70	12

Product No.	Length	Height	Width	Weight	Pull
IMPERIAL		inches		lb	
920SU - single unit	2.36	0.99	1.14	0.77	28.6
920 pair	5.00	0.99	2.01	1.54	28.6
920SUOT - original type single	2.36	0.99	1.14	0.70	26.4
920OTPR - original type pair	5.00	0.99	1.14	1.54	26.4

Plate Drag

Use to remove steel sheets from a stack and transport sheets to and from machines etc. Contains powerful permanent ceramic magnets in an aluminum housing.

Product No.	Length	Height	Width	Weight	Pull
METRIC		mm			kg
E964	118	98	38	2.8	50
IMPERIAL		inches			lb
E964	4.64	3.86	1.49	6.2	110

Positioner

2 magnetic blocks connected by 2 non magnetic steel straps. The blocks contain high performance Alnico 5 magnetic material. Magnetic on two faces. On / off switch located at each end.

Product No.	Length	Height	Width	Weight	Max pull on flat face	Max pull on vee'd face
METRIC		mm			kg	
922	206	63.5	76	3.17	113	104
IMPERIAL		inches			lb	
922	8.11	2.50	2.99	7.0	249	229

Earth Welding Clamp

Quick and easy earthing for most steel welding operations. Provides earthing / ground on large welding operations where croc-clip or G-clamps cannot be easily used.

Product No.	Width	Height	Length	Pull	Maximum Current (amps)
METRIC		mm		kg	
E946	90	64	193	25	800
IMPERIAL		inches		lb	
E946	3.54	2.52	7.60	55	800

Holder

Contains powerful Alnico 5 magnetic material.
Provides the welder with a powerful, rigid support on flat and round components at various angles during welding and welding preparation applications. Switchable and can be partially energised.

Product No.	Length	Height	Width	Weight	Max pull capacity
METRIC		mm			kg
E925	108	140	108	5.67	100
IMPERIAL		inches			lb
E925	4.25	5.51	4.25	12.47	220

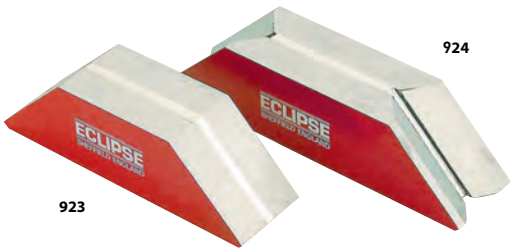
Holdfasts

Material **Alnico 5**
Maximum temperature **100°C / 212°F**
Supplied with screw release handle. Can be built into workholding, handling and assembly fixtures to provide a high clamping force and positive grip.

Product No.	Diameter	Height	Fixing holes PCD	No. of Holes	Weight	Max Pull
METRIC		mm			kg	
E939	44.5	44.5	31.8	2	0.6	20
E940	55.0	49.5	38.1	2	1.0	40
E941	70.0	63.5	50.8	2	2.0	88
E942	100.0	74.5	69.1	3	4.7	183
IMPERIAL		inches			lb	
E939	1.75	1.75	1.25	2	1.3	44
E940	2.17	1.95	1.50	2	2.2	88
E941	2.76	2.50	2.00	2	4.4	194
E942	3.94	2.93	2.72	3	10.3	403

Mitre Clamps

Effective and inexpensive method of clamping flat (923) or round (924) ferrous components.



Product No.	Length base face	Length top face	Height	Width	Weight	Pull
METRIC		mm			kg	
923	152	70	44.5	41	1.36	100
924	178	95	44.5	41	1.64	68
IMPERIAL		inches			lb	
923	5.98	2.75	1.75	1.61	3.00	220
924	7.00	3.74	1.75	1.61	3.60	150

Complete Magnetic Bases


E901


E906


E905


E903CP

Dials not included


E909


E910

Product No.	Product No. North America	Base Part No.	Switching type	Fitment Part No.	Fitment type	METRIC Max Pull kg	IMPERIAL Max Pull lb
E901	**E901**	E901WF	Push button	RP991BL	Heavy duty with fine adjustment	80	176
E903CP	**E903CP**	E900WF	Push button	RP72CP	Light duty	30	66
E905	**M19713ASS**	E905WF (M15885)	Lever	RP995BL	Heavy duty	80	176
E906	**M19712ASS**	E905WF (M15885)	Lever	RP991BL	Heavy duty with fine adjustment	80	176
E910	**E910**	E905WF (M15885)	Lever	RP999	Mechanical one piece	80	176
E909	**E909**	834	Non-switchable	RP909FIT	One pillar	14	31

Use in the measurement, inspection and positioning of workpieces with dial indicators; to measure the flatness of a workpiece after grinding or milling; for checking concentricity of a workpiece. All stands will clamp onto curved and flat surfaces (with the exception of E909).

Magnetic Bases – Push Button

4 magnetic faces. Can be attached to any ferrous surface to provide a rigid support.


E900WF


E901WF

Product No.	Length	Height	Width	Hole	Weight	Clamping
METRIC		mm			kg	
E900WF	48	50	40	M8	0.5	30
E901WF	64	76	64	M8	1.7	80
IMPERIAL		inches			lb	
E900WF	1.890	1.969	1.575	M8	1.1	66
E901WF	2.519	3.000	2.519	M8	3.7	176

Magnetic Base – Toggle switch

E905WF

Product No.	Product No. North America	Length	Height	Width	Hole sizes	Weight	Clamping
METRIC		mm				kg	
E905WF	**M15885**	65	55	50	M8	1.05	80
E905WF/100	**M19290**	73	55	50	M8	1.20	100
IMPERIAL		inches				lb	
E905WF	**M15885**	2.559	2.165	1.969	M8	2.31	176
E905WF/100	**M19290**	2.953	2.165	1.969	M8	2.64	220

Fitment Sets for Magnetic Bases

Product No.	Pillar height	Pillar diameter	Crossbar length	Crossbar diameter	Screw fixing
METRIC		mm			
RP72CP	185	12.5	150	6.3	M8
RP991BL	175	12	165	10.0	M8
RP995BL	175	12	165	10.0	M8
IMPERIAL		inches			
RP72CP	7.28	0.492	5.90	0.250	M8
RP991BL	6.89	0.472	6.50	0.394	M8
RP995BL	6.89	0.472	6.50	0.394	M8

Product No.	Max extension height	Screw fixing
METRIC	mm	
RP907S	315	M8
RP999	295	M8
IMPERIAL	inches	
RP907S	12.4	M8
RP999	11.6	M8


RP995BL RP72CP RP991BL RP999 RP907S

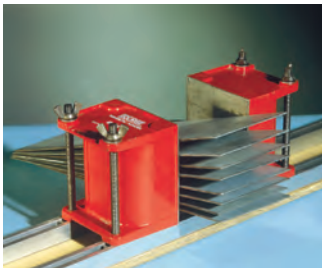
Recovery Magnet

This powerful recovery magnet is constructed from a ceramic magnet sandwiched between two steel plates. It is designed for recovery or retrieval applications, such as retrieving objects from coolant tanks and vats.

Product No.	Width	Height	Thickness	Weight	Pull
METRIC		mm		kg	
E936	82.5	101.5	36.0	1.4	50
IMPERIAL		inches		lb	
E936	3.3	4.0	1.4	3.1	110

Magnetic Sheet Floaters

Mutual magnetic repulsion used to separate sheets in a stack. Can be used in conjunction with major machine tools and contribute to increased efficiency when integrated into the production flow.



Product No.	Width	Height	Depth	Mounting hole size	Weight per pair
METRIC		mm			kg
E913	73	76	65	M8	1.40
E914	92	102	76	M8	3.10
E915	113	152	89	M10	6.75
IMPERIAL		inches			lb
E913	2.87	2.99	2.55	M8	3.1
E914	3.62	4.02	2.99	M8	6.8
E915	4.45	5.98	3.50	M10	14.9

Magnetic Tool Rack

The toolrack contains 2 × 13.8 inch (350mm) powerful magnet bars with extruded magnetic rubber lengths housed between two pole pieces. Neatly secures and hold tools in the garage or workshop and knives in the kitchen.

Product No.	Length	Height	Width	Weight	Pull
METRIC		mm		kg	
EM985-R	350.0	45.0	20.0	0.6	1
IMPERIAL		inches		lb	
EM985-R	13.8	1.8	0.8	1.2	2

Magnetic Sweeper

Quickly clear factory, workshop and garage floors, car parks and sports pitches of potentially dangerous and damaging metal debris.
NEW easy-clean design – quick contamination release trigger mounted on handle.
Adjustable length handle.

Product No.	Head Width
METRIC	mm
MSW385	385
IMPERIAL	inches
MSW385	16

Telescopic Pick-up Magnet

Powerful neodymium iron boron magnets are used to ensure maximum pull for a small magnetic area. Ideal for retrieving ferrous objects that are out of reach.

Product No.	Length	Weight
METRIC	mm	kg
EM967-R	147–660	0.04
IMPERIAL	inches	lb
EM967-R	5.8–26.0	0.09

Magnetic Swarf Wand

Quickly and safely pick-up iron and steel offcuts, chips, swarf and small components
Quick-release handle.
Never needs to be re-magnetized.
Non-rusting shaft.

Product No.	Length	Weight	Max capacity
METRIC	mm	kg	
MW400	400	0.48	6.35
IMPERIAL	inches	lb	
MW400	15.8	1.1	14.0

Electro-Magnets

Energise to hold

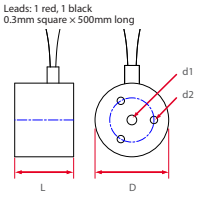
Electric current required to turn the magnet ON.
Power is removed to turn the magnet OFF.

Sturdy bright nickel plated cylinder, passivated with body mounting.
High-quality permeable iron for low remanence.
Armature plates to suit.

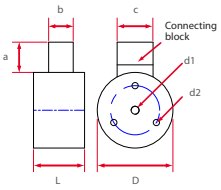
Operating voltage	12VDC & 24VDC
Connector options	Flying leads & two-pole connector
Mountings	Threaded holes in magnet rear face
Finish	Bright nickel plated with machined face
ED rating	100%
IP rating	54 (20 for the two-pole connector)

Two-pole connector

25, 30mm diameter
Free leads (500mm long)



40, 50, 65mm diameter, 12VDC & 24VDC
Two-pole connector



Standard operating voltage

12VDC Product No.	Current	24VDC Product No.	Current	Weight	D	L	a	b	c	d1	d2	PCD	Pull at zero air gap
METRIC	mA		mA	g	mm	mm	mm	mm	mm			mm	kgs
M52172/12VDC	180	M52172/24VDC	90	66	25	20	-	-	-	M4	M3	15	11.3
M52173/12VDC	280	M52173/24VDC	140	108	30	24	-	-	-	M5	M3	18	25.3
		M52174/24VDC	230	210	40	27	16	13	19	M5	M4	26	57.5
		M52175/24VDC	240	364	50	30	16	13	19	M5	M4	34	109.7
		M52176/24VDC	340	710	60	35	16	13	19	M8	M5	40	167.7
IMPERIAL	mA		mA	lbs	inches	inches	inches	inches	inches			inches	lbs
M52172/12VDC	180	M52172/24VDC	90	0.15	0.984	0.787	-	-	-	M4	M3	0.590	24.9
M52173/12VDC	280	M52173/24VDC	140	0.24	1.181	0.945	-	-	-	M5	M3	0.709	55.8
		M52174/24VDC	230	0.46	1.575	1.063	0.62	0.51	0.74	M5	M4	1.023	126.8
		M52175/24VDC	240	0.80	1.969	1.181	0.62	0.51	0.74	M5	M4	1.339	241.9
		M52176/24VDC	340	1.56	2.362	1.378	0.62	0.51	0.74	M8	M5	1.575	369.8

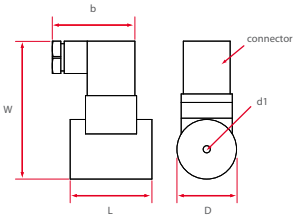
Energise to release

Electric current required to turn the magnet OFF.
Power is removed to turn the magnet ON.

Sturdy bright nickel plated cylinder, passivated with body mounting.
High-quality permeable iron for low remanence.
Armature plates to suit.

Operating voltage	24VDC (with rectified plug connector)
Connector options	Hirschman connector
Mountings	Central machined hole in rear face of magnet
Finish	Bright nickel plated with machined face
IP rating	54
Duty Cycle	S2

Hirschman connector



Standard operating voltage

12VDC Product No.	Current	Connector	Weight	D	W	L	b	d1	Pull at zero air gap
METRIC	mA		g	mm	mm	mm	mm		kgs
M52177/24VDC	240	Hirschman Style	352	35	78	48	50	M5	28.5
M52178/24VDC	350	Hirschman Style	874	50	94	63	50	M5	47.1
IMPERIAL	mA		lbs	inches	inches	inches	inches		lbs
M52177/24VDC	240	Hirschman Style	0.77	1.378	3.070	1.890	1.968	M5	62.8
M52178/24VDC	350	Hirschman Style	1.92	1.968	3.700	2.480	1.968	M5	103.8

Armature Plates

To fit both types.
Supplied with screw.
We recommend you use armature plates that are the same diameter as the magnet or larger.

Product No.	Diameter	Height	Weight	Screw
METRIC	mm	mm	g	
M52171/25ARM	25	3	15	M3
M52171/30ARM	30	4	30	M4
M52171/40ARM	40	5	50	M4
M52171/50ARM	50	6	100	M4
M52171/65ARM	60	8	210	M5

Product No.	Diameter	Height	Weight	Screw
IMPERIAL	Inches	Inches	lbs	
M52171/25ARM	0.984	0.118	0.03	M3
M52171/30ARM	1.181	0.157	0.07	M4
M52171/40ARM	1.575	0.197	0.11	M4
M52171/50ARM	1.969	0.236	0.22	M4
M52171/65ARM	2.559	0.315	0.46	M5

'V' Blocks

Material **Alnico 5**
'V' 'blocks are ideal for holding cylindrical and complex workpieces for marking, spark erosion, grinding and measurement operations.
Can be used on base, side or end.
Top 'V' maximum diameter **65mm** / **2.56"**
Bottom 'V' maximum diameter **20mm** / **0.79"**

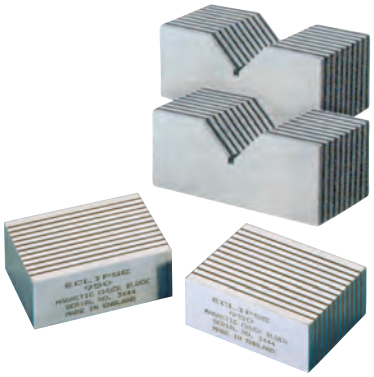
TOLERANCES
Parallelism
0.025 per 100mm / **0.001" per 3.937"**
Squareness
0.025 per 100mm / **0.001" per 3.937"**
(Tighter tolerances available)

Product No.	Width	Length	Height	Weight	Max Clamping Forces	
					Top	Bottom
METRIC		**mm**			**kg**	
E934	69.85	101.6	95.25	3.96	200	150
E934 MP	69.85	101.6	95.25	7.92	200	150
E935	69.85	80.0	95.25	3.12	160	120
E935 MP	69.85	80.0	95.25	6.24	160	120
IMPERIAL		**inches**			**lb**	
E934	2.75	4.0	3.75	8.7	440	330
E934 MP	2.75	4.0	3.75	17.4	440	330
E935	2.75	3.2	3.75	6.9	352	264
E935 MP	2.75	3.2	3.75	13.7	352	264

MP = Matched Pair

Chuck Blocks

Supplied in matched and numbered pairs. May be used horizontally or vertically. Can be machined to accommodate awkward workpieces. Can be used to extend the flux paths of a magnetic chuck with parallel poles.



Product No.	Width	Length	Height	Weight	Units per pack
METRIC		**mm**		**kg**	
950	75	60	30	1.45	1 matched pair
950V	100	50	40	1.70	1 matched pair
IMPERIAL		**inches**		**lb**	
950	2.95	2.36	1.181	3.21	1 matched pair
950V	3.94	1.97	1.574	3.71	1 matched pair

Magnet Pole Indicator

Shows the true north or true south pole of magnets.
Pocket sized.
Battery powered (includes 4 × 1.5v batteries).

Product No.	Length	Width	Thickness	Weight
METRIC		**mm**		**kg**
MPI/100	132	22	19	0.11
IMPERIAL		**inches**		**lb**
MPI/100	5.19	0.87	0.75	0.24

Table Top Demagnetiser

Lightweight units for the removal of residual magnetism from components after workholding. CE approved. (Maximum usage 2 minutes in any 4 minute period).

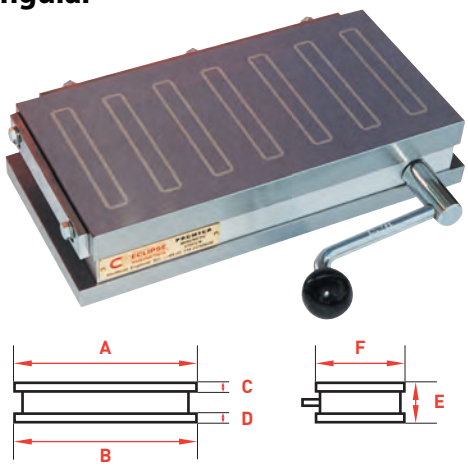
Product No.	Width	Height	Depth	Weight	Voltage
METRIC		**mm**		**kg**	
DB 956CAN	150	117	87	3.83	110
IMPERIAL		**inches**		**lb**	
DB 956CAN	5.90	4.61	3.43	8.43	110

Premium Range Magnetic Chucks

Eclipse Magnetics invented the first permanent magnet chuck in 1934 and we continue to set the benchmark for quality workholding with today's Premier Range.

- The all-metal top plate is extra thick to ensure maximum accuracy after frequent re-grinding.
- Chrome plated side and end stops for packing and positioning
- Can be partially magnetised to allow part positioning in set up.
- Removable, ergonomically designed handles allow easy switching.
- 3-year guarantee against faulty workmanship and materials.
- Supplied with clamps.

Rectangular

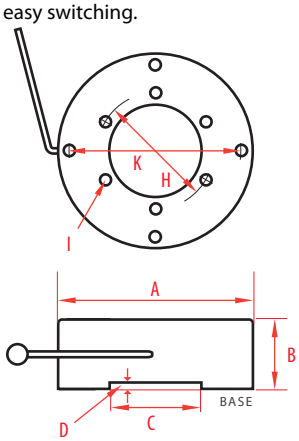


Product No.	A	B	C	D	E	F	Pole pitch
METRIC			mm				
AX510/P	258	276	19	14	53	129	35
AXS612/P	310	322	19	19	65	151	32
AXS614/P	351	360	19	19	65	151	32
AXS618/P	451	451	19	19	65	151	32
AXM824/P	601	601	19	19	66	201	35
AX47/P	178	203	10	9	40	127	35
IMPERIAL			inches				
AX510/P	10.15	10.87	0.748	0.551	2.086	5.08	1.378
AXS612/P	12.20	12.68	0.748	0.748	2.560	5.95	1.260
AXS614/P	13.81	14.17	0.748	0.748	2.560	5.95	1.260
AXS618/P	17.76	17.76	0.748	0.748	2.560	5.95	1.260
AXM824/P	24.53	24.53	0.748	0.748	2.598	7.91	1.378
AX47/P	7.00	7.99	0.393	0.354	1.575	5.00	1.378

Circular

The unique top plate configuration concentrates the magnetic energy on to the face of the chuck.

The chucks can be partially magnetised to aid the correct positioning of the workpiece. Grooved rings in the top plate assist in visual positioning to aid quick changeover in set up. Excellent for holding thin ring-shaped components that can be subject to radial distortion. Removable, ergonomically designed handles allow easy switching.

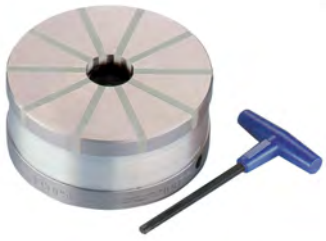


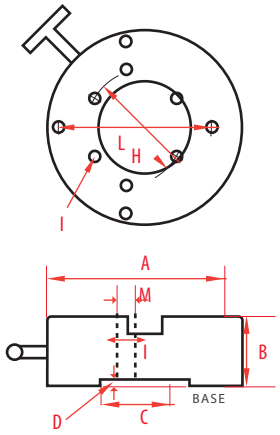
Product No.	A	B	C	D	H	I	K
METRIC			mm				
AX475C/P	121	45	51	6	76	M6	102
AX651C/P	165	57	76	4	102	M10	140
AX91C/P	229	60	86	5	114	M10	191
AX12C/P	305	76	152	5	184	M12	254
IMPERIAL			inches				
AX475C/P	4.75	1.77	2.00	0.236	3.00	M6	4.02
AX651C/P	6.50	2.24	3.00	0.157	4.00	M10	5.51
AX91C/P	9.00	2.36	3.39	0.197	4.50	M10	7.52
AX12C/P	12.00	2.99	5.98	0.197	7.25	M12	10.00

Radial Pole

Radial pole configuration concentrates the entire magnetism of the chuck into the workpiece—ideal for a wide range of operations from precision grinding to heavy turning.

Dynamically balanced to enable use at high rpm. All metal top plate and a rugged, industrial build ensures accuracy and longevity. Through-bore (except the NR100C) allows through-flushing of coolant during machining.





Product No.	A	B	C	D	H	I	L	M	No. of Poles
METRIC				mm					
NR100C	100	48	51	6	N/A	M6	76	N/A	6
NR150C	150	69	76	4	N/A	M10	102	36	10
NR225C	225	71	86	5	114	M10	191	54	14
NR300C	300	71	152	5	184	M12	254	66	18
IMPERIAL				inches					
NR100C	3.94	1.89	2.00	0.236	N/A	M6	3.00	N/A	6
NR150C	5.90	2.72	3.00	0.157	N/A	M10	4.02	1.42	10
NR225C	8.86	2.80	3.38	0.197	4.48	M10	7.52	2.13	14
NR300C	11.81	2.80	5.98	0.315	7.24	M12	10.00	2.60	18

Standard Range Magnetic Chucks

Standard Range chucks give high performance at a competitive price. High energy rare earth permanent magnets give an evenly distributed clamping force. Trouble-free operation is assured with a rugged, accurate build.

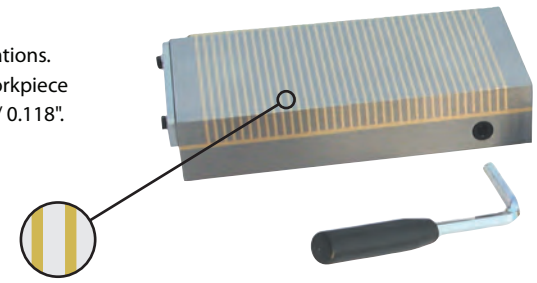
- Brass and steel top plates.
- Removable hexagon key handles ensure ease of operation through a 180 degree arc.
- All chucks are supplied with side and end stops.
- All chucks are supplied with clamps.

Rectangular

Standard Pole

Force **80N** / **cm²**
Primarily for grinding operations.
Will effectively clamp all workpiece thicknesses down to 3mm / 0.118".

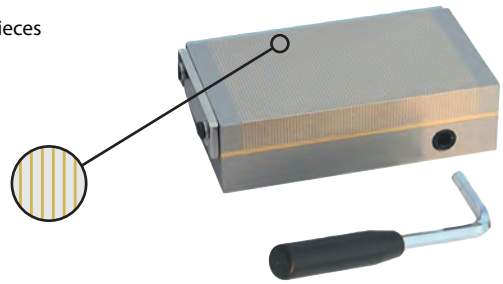
POLE SPACING
4.0mm / **0.157"** steel
2.0mm / **0.079"** brass



Fine Pole

Force **80N** / **cm²**
Ideal for small or thin workpieces – less than 3mm / 0.118".

POLE SPACING
1.5mm / **0.060"** steel
0.5mm / **0.020"** brass



STANDARD POLE Product No.	FINE POLE Product No.	W	L	Ht.	Wt.
METRIC		mm			kg
ERSP1018	ERFP1018	100	180	50	8
ERSP1325	ERFP1325	130	250	50	14
ERSP1530	ERFP1530	150	300	50	19
ERSP1535	ERFP1535	150	350	50	22
ERSP1545	ERFP1545	150	450	50	28
ERSP2060	ERFP2060	200	600	50	50
IMPERIAL		inches			lb
ERSP1018	ERFP1018	3.94	7.09	1.96	17.6
ERSP1325	ERFP1325	5.12	9.84	1.96	30.8
ERSP1530	ERFP1530	5.90	11.81	1.96	40.7
ERSP1535	ERFP1535	5.90	13.78	1.96	47.3
ERSP1545	ERFP1545	5.90	17.72	1.96	60.5
ERSP2060	ERFP2060	7.87	23.62	1.96	110.0

Circular

Standard Pole

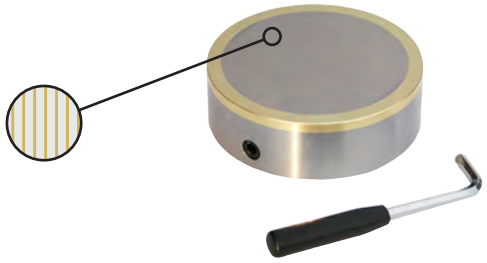
Force **80N** / **cm²**

POLE SPACING
4.0mm / **0.157"** steel
2.0mm / **0.079"** brass

Fine Pole

Force **80N** / **cm²**

POLE SPACING
1.5mm / **0.060"** steel
0.5mm / **0.020"** brass



STANDARD POLE Product No.	FINE POLE Product No.	Dia.	Ht.	Wt.
METRIC		mm		kg
ECSP100	ECFP100	100	50	3
ECSP125	ECFP125	125	50	5
ECSP160	ECFP160	160	50	8
ECSP195	ECFP195	195	50	11
ECSP255	ECFP255	255	50	16
ECSP310	ECFP310	310	50	24
ECSP350	ECFP350	350	50	27
IMPERIAL		inches		lb
ECSP100	ECFP100	3.94	1.96	6.6
ECSP125	ECFP125	4.92	1.96	11.0
ECSP160	ECFP160	6.30	1.96	16.5
ECSP195	ECFP195	7.68	1.96	24.2
ECSP255	ECFP255	10.00	1.96	35.2
ECSP310	ECFP310	12.20	1.96	52.8
ECSP350	ECFP350	13.77	1.96	59.4

Magnetic lifters are quicker, easier and safer to use than slings, chains, hooks and grabs, and do not mark the load.

Onboard switching and permanent magnet technology mean installation and operation could not be easier and running costs are non-existent.

Access is only required to the load's top face, allowing for more efficient storage and handling.

Ultralift Plus+

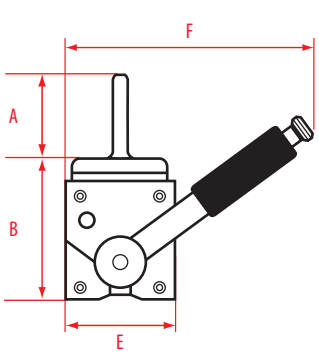
Ultralift Plus

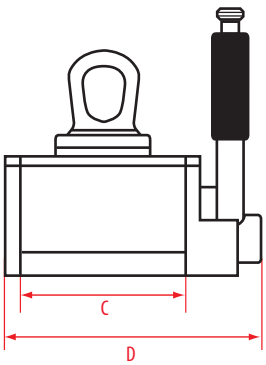
The World's Safest Lifter

Lifts up to 4400lbs (flat) 1760lbs (round)

3 safety features:

- Locking switch handle mechanism
- Unique 'Safety Shim': pre-test any load to ensure a 3:1 safety factor
- Locking eye mechanism: magnet cannot be switched off while holding a load





3:1 SAFETY FACTOR

The patented 'safety shim' allows pre-testing of the load to be lifted, irrespective of weight, material type, material thickness and surface condition. If the load passes a 3:1 safety factor is guaranteed.

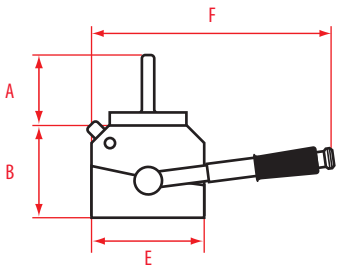
Product No.	UK Product No.	Self Weight	Dimensions						Material Length	Flat Section		Round Section	
			A	B	C	D	E	F	Max	SWL	Thickness	SWL	Diameter
IMPERIAL	METRIC	lb	inches						inches	lb	inches	lb	inches
UL0275+	UL0125+	8.8	2.5	2.9	4.0	6.1	2.7	6.0	60	275	0.8	110	8
UL0550+	UL0250+	24.2	3.7	3.8	6.1	8.4	3.6	8.6	60	550	1.0	220	12
UL1100+	UL0500+	59.4	4.8	5.0	8.8	11.8	4.8	10.5	80	1100	1.2	440	16
UL2200+	UL1000+	138.6	5.5	6.9	10.2	14.1	6.9	15.4	120	2200	1.8	880	18
UL4400+	UL2000+	345.4	7.7	8.9	14.5	18.8	9.2	19.4	120	4400	2.8	1760	24

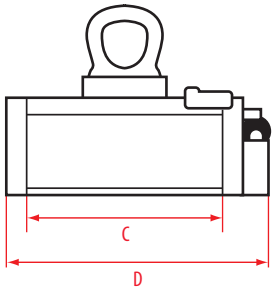
Ultralift LM

Safe, General-Purpose Lifting

Lifts up to 4400lbs (flat) 1760lbs (round)

Locking switch handle mechanism.





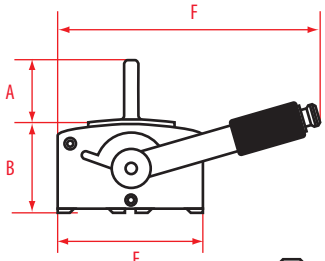
Product No	UK Product No.	Self Weight	Dimensions						Flat Section			Round Section		
			A	B	C	D	E	F	SWL	Thickness Min	Length Max	SWL	Diameter Max	Length* Max
IMPERIAL	METRIC	lb	inches						lb	inches		lb	inches	
LM0275	LM0125	9.9	2.1	2.4	4.3	5.9	3.0	5.9	275	0.8	60	110	10	60
LM0550	LM0250	18.7	3.0	2.8	6.5	8.3	3.5	7.9	550	1.0	60	220	12	60
LM1100	LM0500	38.5	4.1	3.5	8.9	11.1	4.2	9.6	1100	1.2	80	440	16	80
LM2200	LM1000	80.3	4.4	4.1	12.8	15.4	5.4	14.4	2200	1.8	120	880	18	120
LM4400	LM2000	173.8	6.7	5.2	15.7	19.0	7.3	20.7	4400	2.8	120	1760	24	120

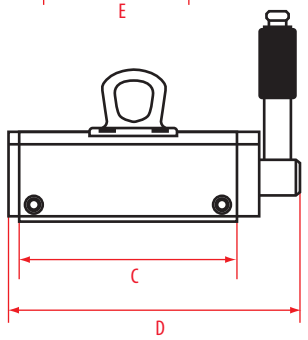
Ultralift TP

Thin Plate Lifter

Lifts up to 880lbs (flat)

Specifically designed for the safe lifting of thin plate and pressings, it can lift single sheets from the tops of stacks.
Locking switch handle mechanism.





Product No	UK Product No.	Self Weight	Dimensions						Material Thickness							
									0.20		0.25		0.30		0.40	
			A	B	C	D	E	F	SWL	Length Max	SWL	Length Max	SWL	Length Max	SWL	Length Max
IMPERIAL	METRIC	lb	inches						lb	inches	lb	inches	lb	inches	lb	inches
TP330	TP150	18	3	3	6	8	4	7	165	60	220	60	330	60	440	60
TP660	TP300	33	3	3	12	14	4	7	330	80	440	80	660	80	880	80

Service & Maintenance

Full inspection and certification

All lifting systems should be serviced every 12 months by a competant person. Our fully trained personnel provide a full inspection and certification service. Please refer to manual guidelines for inspection requirements.

In addition to the products in this catalogue, Eclipse Magnetics are innovators in other fields:

Contamination removal systems

Full range of products and services to protect all process lines and products from foreign body contamination.

- Magnetic separators
- Vibratory sieves
- Metal detectors
- Site audits

Magnetic filtration systems

Highly efficient magnetic systems for removing ferrous contamination from industrial fluids such as coolants and lubricants.

Automag™ Ultimate Filtration Technology

Micromag™ Ultimate Filtration Technology

Filtramag+™ Ultimate Filtration Technology

Material handling and workholding

Highly efficient magnetic systems for removing ferrous contamination from industrial fluids such as coolants and lubricants.

ELECTRONIC OPTIMAG® PNEUMATIC

Boilermag

Magnetic filters for removing ferrous oxide contamination from industrial heating systems.

BoilerMag XT® Industrial Heating System Protection

BoilerMag XL® Commercial Heating System Protection

BoilerMag® Domestic Heating System Protection

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