



Permanent Lifting Magnets Electronically Controlled



FXE lift magnets allow the operator to pick-up ferrous metal sheets/parts and safely release with the push of a button. Combining the cost-efficiency and safety of a permanent magnet for load handling with the controlled-release capability of an electromagnet, the FXE uses virtually no energy and does not require a battery backup system. A built-in load sensor prevents the load from being released until it's at rest, and the fail-safe permanent magnet design securely holds the load in the event power is lost. Ideal for lifting applications that require fast cycle times without the operator touching the load. Grip and release functions can be performed by using the wireless remote control or can be activated directly from the magnet's on-board control buttons. All labels and controls are on top of the magnet allowing the magnet to fit into tight spots and limit damage to critical equipment. Temperature Range: 180°F (82°C)

Quick Reference

50 Series: Smooth surfaces • Smaller parts • Cutting table loading/unloading • Thinner metals

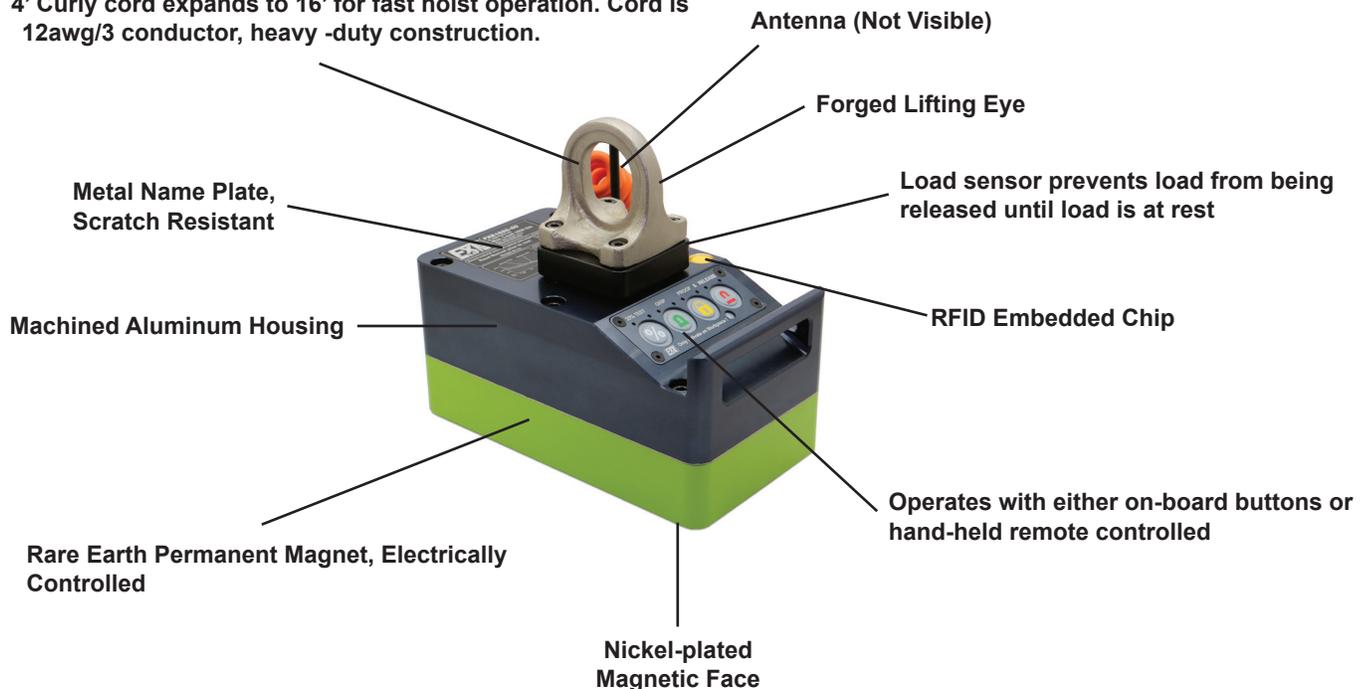
50L Series: Smooth Surfaces • Long narrow parts • C channel • I-Beam • Square tubing

80 Series: Hot rolled steel • Black material • Flame cut • Shipyards • Thicker metals than 50 Series

100 Series: Rough surfaces • Casting • Forging • Slabs • Thick, heavy, large metals

Product Features

4' Curly cord expands to 16' for fast hoist operation. Cord is 12awg/3 conductor, heavy -duty construction.



FXE Lifting Magnet • 50 Series

FXE 50 Series

The FXE50 Series Permanent Lifting Magnet is designed with the strength and reach-out required for lifting thinner, smooth-surfaced material in applications such as the loading and unloading of cutting tables. Ideal for smaller part handling in repetitive lifting applications, this durable magnet is constructed for many years of industrial use. **480 VAC single phase power supply required @ up to 7.5 amps, 0.8 second pulse**

- 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



FXE0660-50



FXE1650-50



FXE3525-50

50 Series	WLL		Magnet		Overall			Poles	Bail Opening			Weight
Model No.	LBS	KG	Length (in)	Width (in)	Length (in)	Width (in)	Height (in)	No. of Poles	Thickness (in)	Height (in)	Width (in)	lbs (kg)
FXE0660-50	660	300	4.6	4.6	6.5	6.5	16.5	4	0.6	1.7	1.3	51 (23)
FXE1650-50	1650	750	9.6	4.6	11.7	6.5	9.8	8	0.6	3	2.4	60 (27)
FXE3525-50	3525	1600	22.2	4.6	24.4	6.5	10.6	18	0.8	3	2.4	124 (56)

Working Load Limit (WLL) in lbs (kg) & Max sheet size Due To Sag For Material Thickness For Single Magnet Use

Model No.	5/32 (4mm)	Sheet LxW	1/4 (6mm)	Sheet LxW	5/16 (8mm)	Sheet LxW	3/8 (10mm)	Sheet LxW	1/2 (15mm)	Sheet LxW
FXE0660-50	154 (70)	71" x 59"	309 (140)	79" x 59"	440 (200)	79" x 59"	617 (280)	79" x 59"	660 (299)	79" x 59"
FXE1650-50	330 (150)	71" x 59"	551 (250)	79" x 59"	882 (400)	79" x 59"	1323 (600)	79" x 59"	1650 (748)	79" x 59"
FXE3525-50	661 (300)	118" x 59"	1102 (500)	118" x 59"	1764 (800)	118" x 59"	3087 (1400)	118" x 59"	3525 (1599)	118" x 59"

FXE Lifting Magnet • 50L Series

FXE 50L Series

The FXE50L Series Permanent Lifting Magnet is designed with the strength and reach-out required for lifting thinner, smooth-surfaced material in applications lifting long narrow products such as C-Channel, I-Beams or square tubing. Ideal for smaller/narrow part handling in repetitive lifting applications. Can use the side of the magnet to rotate or tip parts to the ideal lifting surface or orientation. **480 VAC single phase power supply required @ up to 7.5 amps, 0.8 second pulse**

- 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



FXE0880-50L



FXE1320-50L



FXE2200-50L

80 Series	WLL		Magnet		Overall			Poles	Bail Opening			Weight
Model No.	LBS	KG	Length (in)	Width (in)	Length (in)	Width (in)	Height (in)	No. of Poles	Thickness (in)	Height (in)	Width (in)	lbs (kg)
FXE0880-50L	880	400	9.5	2	11.5	3.75	17.75	4				51 (23)
FXE1320-50L	1320	6000	14.6	2	16.5	3.75	17.75	8				68 (31)
FXE2200-50L	2200	1000	24.7	2	26.8	3.75	17.75	10				97 (44)

Working Load Limit (WLL) in lbs (kg) & Max sheet size Due To Sag For Material Thickness For Single Magnet Use

Model No.	5/16 (8mm)	Sheet LxW	3/8 (10mm)	Sheet LxW	1/2 (15mm)	Sheet LxW	3/4 (20mm)	Sheet LxW	1 (25mm)	Sheet LxW
FXE0880-50L	154 (70)	71" x 39"	309 (140)	79" x 59"	440 (200)	79" x 39"	550 (250)	98" x 39"	880 (400)	118" x 39"
FXE1320-50L	220 (100)	79" x 39"	440 (200)	98" x 39"	660 (300)	98" x 39"	770 (350)	118" x 39"	1320 (600)	157" x 39"
FXE2200-50L	330 (150)	98" x 59"	660 (300)	118" x 59"	880 (400)	118" x 39"	1100 (500)	157" x 59"	2200 (1000)	196" x 59"

FXE Lifting Magnet • 80 Series

FXE 80 Series

The FXE80 Series Permanent Lifting Magnet has great strength for lifting heavier material in applications typically seen in shipyard or heavy equipment manufacturing. Ideal for handling black material, flame-cut, or hot-rolled steel, this durable magnet is constructed for many years of industrial use. **480 VAC single phase power supply required @ up to 10 amps, 0.8 second pulse**

- 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



FXE2200-80



FXE5500-80



FXE8800-80

80 Series	WLL		Magnet		Overall			Poles	Bail Opening			Weight
Model No.	LBS	KG	Length (in)	Width (in)	Length (in)	Width (in)	Height (in)	No. of Poles	Thickness (in)	Height (in)	Width (in)	lbs (kg)
FXE2200-80	2200	1000	6.8	6.8	9	9.0	11.6	4	1.2	3	2.4	86 (39)
FXE5500-80	5500	2500	17.6	6.8	20	9.0	11.6	10	1.2	3.5	2.7	170 (77)
FXE8800-80	8800	4000	28.5	6.8	30.8	9.0	11.6	16	0.9	7.9	5.5	291 (132)

Working Load Limit (WLL) in lbs (kg) & Max sheet size Due To Sag For Material Thickness For Single Magnet Use

Model No.	5/16 (8mm)	Sheet LxW	3/8 (10mm)	Sheet LxW	1/2 (15mm)	Sheet LxW	3/4 (20mm)	Sheet LxW	1 (25mm)	Sheet LxW
FXE2200-80	440 (200)	79" x 59"	660 (300)	79" x 59"	1320 (600)	79" x 59"	1760 (800)	79" x 59"	2200 (1000)	79" x 59"
FXE5500-80	1100 (500)	79" x 59"	1650 (750)	118" x 59"	3300 (1500)	118" x 59"	4400 (2000)	118" x 59"	5500 (2495)	118" x 59"
FXE8800-80	1765 (800)	118" x 59"	2650 (1200)	118" x 59"	5290 (2400)	118" x 59"	6600 (3000)	157" x 59"	8800 (3992)	157" x 59"

FXE Lifting Magnet • 100 Series

FXE 100 Series

The 100 Series Permanent Lifting Magnet has tremendous strength and reach-out for lifting heavier, rough material. Ideal for handling foundry-made or rough-surfaced parts, such as castings, forgings or large slab steel. Durable construction for many years of industrial use.

480 VAC single phase power supply required @ up to 33 amps, 0.8 second pulse

- 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



FXE3525-100



FXE7000-100



FXE10600-100

100 Series	WLL		Magnet		Overall			Poles	Bail Opening			Weight
Model No.	LBS	KG	Length (in)	Width (in)	Length (in)	Width (in)	Height (in)	No. of Poles	Thickness (in)	Height (in)	Width (in)	lbs (kg)
FXE3525-100	3525	1600	8.7	8.7	11.7	11.7	4.9	4	1.2	3.5	2.7	181 (82)
FXE7000-100	7000	3200	18.1	8.7	21.1	11.7	13.2	8	1.2	3.5	2.7	340 (154)
FXE10600-100	10600	4800	27.6	8.7	30.6	11.7	15.8	12	0.9	7.9	5.5	445 (202)

Working Load Limit (WLL) in lbs (kg) & Max sheet size Due To Sag For Material Thickness For Single Magnet Use

Model No.	3/8 (10mm)	Sheet LxW	1/2 (15mm)	Sheet LxW	3/4 (20mm)	Sheet LxW	1 (25mm)	Sheet LxW	1-3/8 (35mm)	Sheet LxW
FXE3525-100	880 (400)	79" x 59"	1650 (750)	79" x 59"	2200 (1000)	79" x 59"	3300 (1500)	118" x 59"	3527 (1600)	118" x 59"
FXE7000-100	1760 (800)	118" x 59"	3200 (1470)	118" x 59"	4850 (2200)	118" x 79"	6125 (2780)	118" x 79"	7000 (3200)	157" x 98"
FXE10600-100	2650 (1200)	118" x 59"	4850 (2200)	157" x 79"	6600 (3000)	158" x 79"	9250 (4200)	157" x 79"	10,600 (4800)	157" x 79"



FXE Engineered Lifting Solutions

FX Permanent Lift Magnets with ON/OFF Lever



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