

FX SERIES LIFTING MAGNETS

FX UNIVERSAL PERMANENT LIFTING MAGNETS FOR FLATS AND ROUND



The FX universal, On/Off permanent lift magnets are ideal for a variety of manufacturing applications where you're mostly lifting flat material, but occasionally need to lift rounds.

- » On/off, Rare-Earth Permanent Magnet
- » On/off handle only requires 90° rotation and locks at both on/off positions
- » Durable, recessed metal name plates, not stickers
- » Corrosion resistant, plated-magnet surface
- » Heat resistant up to 180°F (82°C)
- » 3:1 Design Factor
- » 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



Vertical Lift Lug
Optional

	WLL		Overall		Magnet			Handle	Bail			
Model No.	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)
FX0330	330	150	4.9	6.3	2.3	2.5	4.75	5.3	0.4	1.6	1	8
FX0660	660	300	6.2	8	3	3.4	6.2	7.5	0.5	2	1.6	19
FX1320	1320	600	7.4	11.3	3.7	4.4	9.4	9	0.6	2.4	2	42
FX2200	2200	1000	9.4	14.2	4.7	6	12	10.2	0.8	3	2.3	93
FX4400	4400	2000	12.3	18.5	6.6	9	15.7	16.1	1	3.5	2.6	254
FX6600	6600	3000	12.3	25.5	6.6	9	22.7	21	1	3.5	2.6	366

Working Load Limit (WLL) in lbs (kg) & *Max sheet Length Due To Sag For Material Thickness									Round Lifting Applications		Vertical
For Single Magnet Use											Part Flat
Model No.	1/4 (6')	3/8 (8')	1/2 (8')	3/4 (8')	1 (10')	2 (10')	3 (10')	WLL RD	Min/Max Dia	Min Thk	WLL
FX0330	142 (65)	330 (150)	330 (150)	330 (150)	330 (150)	330 (150)	330 (150)	165 (75)	2 - 8	5/16	66 (30)
FX0660	355 (152)	507 (230)	580 (263)	660 (300)	660 (300)	660 (300)	660 (300)	330 (150)	2 - 12	1/2	132 (60)
FX1320	331 (150)	661 (300)	965 (438)	1320 (599)	1320 (599)	1320 (599)	1320 (599)	660 (300)	4 - 16	5/8	264 (120)
FX2200	NA	772 (350)	1160 (526)	1984 (900)	2200 (998)	2200 (998)	2200 (998)	1100 (500)	4 - 18	3/4	440 (200)
FX4400	NA	NA	965 (438)	2200 (998)	2646 (1200)	4400 (1996)	4400 (1996)	2200 (998)	6 - 24	1-1/2	NA
FX6600	NA	NA	NA	3850 (1746)	3968 (1800)	6600 (2994)	6600 (2994)	3300 (1497)	6 - 24	1-1/2	NA

FXP PERMANENT LIFTING MAGNETS FOR THIN SHEETS AND PIPE



Ideal for thin sheets or parts, tanks/containers and thin-walled pipe that normally can't be lifted with a permanent, On/Off magnet. The magnetic field on the FXP is concentrated and shallow to drive the strength into thin material.

- » On/off Rare Earth Permanent Magnet
- » On/off handle only requires 90° rotation and locks at both on/off positions
- » Recessed metal name plates, not stickers
- » Corrosion resistant, plated-magnet surface
- » Heat resistant up to 180°F (82°C)
- » 3:1 Design Factor
- » 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



	WLL		Overall		Magnet			Handle	Bail			
Model No.	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)
FXP0375	375	170	5.3	7.7	2.7	2.5	6.8	5.3	0.4	1.6	1	12
FXP0725	725	330	6.7	10.4	3.5	3.4	9.4	7.5	0.5	2	1.6	28
FXP1450	1450	650	8	13.8	4.2	4.4	12.6	9	0.6	2.4	2	58

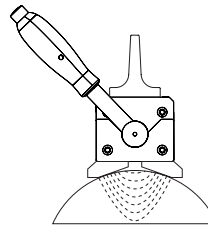
Working Load Limit (WLL) in lbs (kg) & *Max sheet Length Due To Sag For Material Thickness									Round Lifting Applications		
For Single Magnet Use											
Model No.	9 ga (6')	3/16 (6')	1/4 (6')	3/8 (8')	1/2 (8')	3/4 (8')	1 (10')	WLL RD	Min/Max Dia	Min Thk	
FXP0375	176 (80)	200 (91)	265 (120)	375 (170)	375 (170)	375 (170)	375 (170)	330 (150)	1 - 4	5/16	
FXP0725	220 (100)	275 (125)	353 (160)	725 (329)	725 (329)	725 (329)	725 (329)	660 (300)	2 - 6.5	1/2	
FXP1450	353 (160)	375 (170)	441 (200)	1060 (481)	1125 (510)	1450 (658)	1450 (658)	1210 (550)	3 - 9	5/8	

FX SERIES LIFTING MAGNETS

FXR PERMANENT LIFTING MAGNETS FOR ROUND MATERIAL

The FXR is recommended for when lifting round/curved surfaces such as shafts, thick walled pipe, or billet, but occasionally need to lift flat material. Specially designed pole shoes provide a deep penetrating magnetic field and part stability.

- » On/off, Rare-Earth Permanent Magnet
- » On/off handle only requires 90° rotation and locks at both on/off positions
- » Durable, recessed metal name plates, not stickers
- » Corrosion resistant, plated-magnet surface
- » Heat resistant up to 180°F (82°C)
- » 3:1 Design Factor
- » 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3



	WLL		Overall		Magnet			Handle	Bail			
Model No.	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt.(lbs)
FXR0220	220	100	5.2	6.3	2.7	2.7	5.4	5.3	0.4	1.6	1	9
FXR0500	500	225	6.7	8	3.5	3.8	7.2	7.5	0.5	2	1.6	21
FXR1000	1000	450	8.1	11.3	4.4	4.9	10.2	9	0.6	2.4	2	49
FXR1650	1650	750	10.3	14.2	5.6	6.7	13	10.2	0.8	3	2.3	108
FXR2650	2650	1200	13.1	18.5	7.5	9.7	18.2	16.1	1	3.5	2.6	280
FXR4000	4000	1800	13.1	25.5	7.5	9.7	24.1	21	1	3.5	2.6	402
Working Load Limit (WLL) in lbs (kg) & *Max sheet Length Due To Sag For Material Thickness									Round Lifting Applications			
For Single Magnet Use												
Model No.	1/4 (6')	3/8 (8')	1/2 (8')	3/4 (8')	1 (10')	2 (10')	3 (10')	WLL RD	Min/Max Dia	Min Thk		
FXR0220	154 (70)	220 (100)	220 (100)	220 (100)	220 (100)	220 (100)	220 (100)	220 (100)	1 - 6	5/16		
FXR0500	310 (141)	500 (227)	500 (227)	500 (227)	500 (227)	500 (227)	500 (227)	500 (225)	2 - 8	3/8		
FXR1000	331 (150)	661 (300)	780 (354)	1000 (454)	1000 (454)	1000 (454)	1000 (454)	1000 (450)	2 - 11	3/4		
FXR1650	NA	882 (400)	1200 (544)	1650 (748)	1650 (748)	1650 (748)	1650 (748)	1650 (750)	3 - 15	3/4		
FXR2650	NA	450 (204)	900 (408)	1764 (800)	2205 (1000)	2650 (1202)	2650 (1202)	2650 (1200)	5 - 22	1-1/2		
FXR4000	NA	NA	1250 (567)	2646 (1200)	3307 (1500)	4000 (1814)	4000 (1814)	4000 (1800)	5 - 22	1-1/2		

FXV PERMANENT LIFTING MAGNETS FOR BEAMS, ANGLE IRON (90°) AND HOT PARTS

The FXV On/Off permanent lift magnets are ideal for handling 90° shapes like angle iron, square tubing, and hot parts. Also works extremely well for inside webbing of I-beams where you need higher handle rotation. The on/off handle only requires 90° rotation and locks at both on/off positions. Durable construction with recessed metal name plates and corrosion-resistant plated magnet surface. Features a 3:1 design factor and meets 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3.

Hot part Handling: contact time and cooling times

302°F (150°C) = 100%

392°F (200°C) = 50%, Max. 4 minutes contact, 4 minutes cooling time

482°F (250°C) = 33%, Max. 4 minutes contact, 8 minutes cooling time

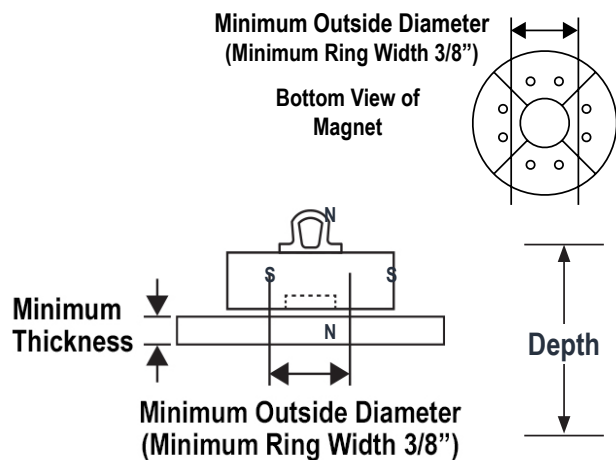
(Note: WLL reduces as temperature raises)



	WLL		Overall		Magnet			Handle	Bail							
Model No.	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)				
FXV0440	440	220	5.5	7.7	3	2.5	6.8	5.3	0.4	1.6	1	12				
FXV0880	880	440	6.9	10.4	3.8	3.4	9.4	7.5	0.5	2	1.6	29				
FXV1775	1775	800	8.3	13.5	4.5	4.4	12.6	9	0.6	2.4	2	62				
FLAT SURFACES					ANGLE IRON LEGS DOWN (Λ) ANGLE LEGS UP (V)											
Working Load Limit (WLL) in lbs (kg) & *Max sheet Length Due																
To Sag For Material Thickness For Single Magnet Use																
							Λ	V	Λ	V	Λ	V	Λ	V		
Model No.	1/4 (6')	3/8 (8')	1/2 (8')	3/4 (8')	1 (10')	Model No.	1/4 (6')	1/4 (6')	3/8 (8')	3/8 (8')	1/2 (8')	1/2 (8')	3/4 (8')	3/4 (8')	1 (14')	1 (14')
FXV0440	270	415	440	440	440	FXV0440	260	100	260	175	260	220	260	220	260	220
	(125)	(190)	(200)	(200)	(200)		(120)	(50)	(120)	(80)	(120)	(100)	(120)	(100)	(120)	(100)
FXV0880	440	695	810	880	880	FXV0880	440	270	495	275	550	385	550	440	550	440
	(200)	(320)	(370)	(400)	(400)		(200)	(125)	(225)	(125)	(250)	(175)	(250)	(200)	(250)	(200)
FXV1775	440	935	1150	1775	1775	FXV1775	485	300	650	325	815	500	870	650	870	650
	(200)	(450)	(550)	(800)	(800)		(220)	(140)	(300)	(150)	(375)	(230)	(400)	(300)	(400)	(300)

FXC PERMANENT LIFTING MAGNETS FOR FLAT, CIRCULAR PARTS

The FXC lift magnets have a round, multi-pole magnetic field designed for lifting flat, circular-shaped parts such as rings, sleeves, bearing housings, flange plates and end of billet/pipe/shaft pieces. The on/off handle only requires 90° rotation and locks at both on/off positions. Durable construction with metal name plates and corrosion-resistant plated magnet surface. Features a 3:1 design factor and meets 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3.



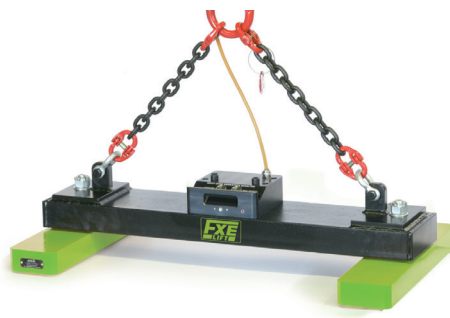
	WLL		WLL	WLL	Overall		Depth	Magnet		Handle	Bail			
Model No.	LBS	KG	Min Thk (in)	Min Dia (in)	Ht. (in)	Dia. (in)	Ht. (in)	Ht. (in)	Dia. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)
FXC0385	385	175	0.39	2.4	8.3	4.7	5	5.1	4.5	7.5	0.5	2	1.6	17
FXC0550	550	250	0.47	3.3	9.5	6.3	5.8	5.7	6	7.5	0.6	2.4	2	33
FXC0990	990	450	0.59	4.7	11.2	9.4	6.5	6.1	9.3	9	0.8	3	2.3	77

CUSTOM FIXTURE WITH PERMANENT ON/OFF MAGNETS

Our factory experts will develop a unique magnetic lifting device if a standard magnetic lift doesn't work for your application. We will be there every step of the way from field sales support to design, manufacturing and final testing.

For more information on our custom lifting products, please contact us today at 888.582.0823 or go online to www.magnetics.com

- » Custom beams
- » Custom pole shoes
- » Custom lift and rotate fixtures



FX SERIES LIFTING MAGNETS

FXE 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

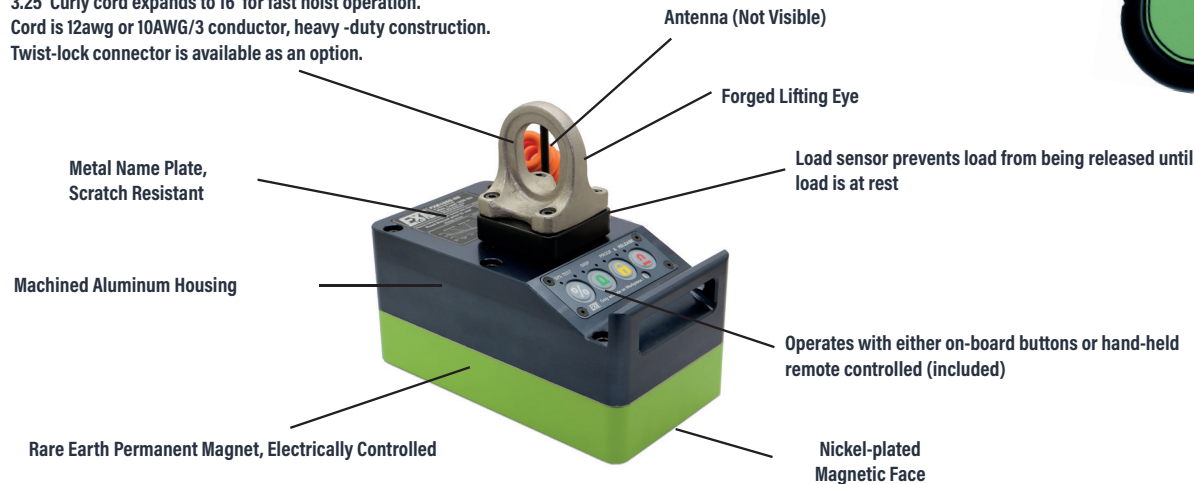
80 Series: Hot rolled steel • Black material • Flame cut • Shipyards • Thicker metals than 50 Series

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

3.25' Curly cord expands to 16' for fast hoist operation.

Cord is 12awg or 10AWG/3 conductor, heavy -duty construction.

Twist-lock connector is available as an option.



FXE LIFTING MAGNET • 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	Pulse Amps @480
Model No.	LBS	KG	Ln. (in)	Wd. (in)	Ln. (in)	Wd. (in)	Ht. (in)	No. of Poles	Th. (in)	Ht. (in)	Wd. (in)	lbs (kg)	A
FXE0660-50	660	300	4.6	4.6	6.5	6.5	16.5	4	0.6	1.7	1.3	51 (23)	2.5
FXE1650-50	1650	750	9.6	4.6	11.7	6.5	9.8	8	0.6	3	2.4	60 (27)	5
FXE3525-50	3525	1600	22.2	4.6	24.4	6.5	10.6	18	0.8	3	2.4	124 (56)	11.25

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 79"

FX SERIES LIFTING MAGNETS

FXE LIFTING MAGNET - 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 12.5 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	Pulse Amps @ 480V
Model No.	LBS	KG	Ln. (in)	Wd. (in)	Ln. (in)	Wd. (in)	Ht. (in)	No. of Poles	Th. (in)	Ht. (in)	Wd. (in)	lbs (kg)	Amps
FXE0880-50L	880	400	9.5	2	11.5	3.75	17.75	4	.75	2.25	1.87	51 (23)	5
FXE1320-50L	1320	6000	14.6	2	16.5	3.75	17.75	8	.75	2.25	1.87	68 (31)	7.5
FXE2200-50L	2200	1000	24.7	2	26.8	3.75	17.75	10	.75	2.25	1.87	97 (44)	12

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"

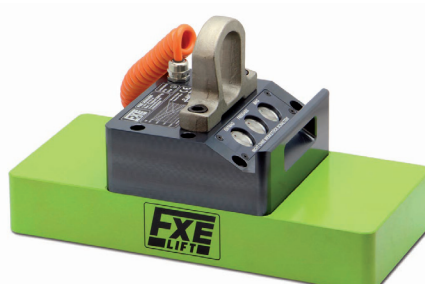
FXE LIFTING MAGNET - 80 SERIES

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 33 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	Pulse amps @480V
Model No.	LBS	KG	Ln. (in)	Wd. (in)	Ln. (in)	Wd. (in)	Ht. (in)	No. of Poles	Th. (in)	Ht. (in)	Wd. (in)	lbs (kg)	A
FXE2200-80	2200	1000	6.8	6.8	9	9.0	11.6	4	1.2	3	2.4	86 (39)	10
FXE5500-80	5500	2500	17.6	6.8	20	9.0	11.6	10	1.2	3.5	2.7	170 (77)	21
FXE8800-80	8800	4000	28.5	6.8	30.8	9.0	11.6	16	0.9	7.9	5.5	291 (132)	33.3

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"

FX SERIES LIFTING MAGNETS

FXE 100 SERIES FOR THICK, ROUGH PLATES, CASTING & FORGING FXE LIFTING MAGNET - 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	Pulse Amps @480V
Model No.	LBS	KG	Ln. (in)	Wd. (in)	Ln. (in)	Wd. (in)	Ht. (in)	No. of Poles	Th. (in)	Ht. (in)	Wd. (in)	lbs (kg)	A
FXE3525-100	3525	1600	8.7	8.7	11.7	11.7	13.6	4	1.2	3.5	2.7	181 (82)	25
FXE7000-100	7000	3200	18.1	8.7	21.1	11.7	13.2	8	1.2	3.5	2.7	340 (154)	25
FXE10600-100	10600	4800	27.6	8.7	30.6	11.7	15.8	12	0.9	7.9	5.5	445 (202)	33.3

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"

AUTOMATIC LIFTING MAGNET

Innovative, compact and user-friendly, this magnetic lifting equipment features a strong permanent magnet that is switched between the "ON" and "OFF" states with an electrical pulse.

This permanent lift magnet uses an electronic impulse ONLY to change the magnet from on to off and vice-versa. No electrical power is used during the lifting process. The result of this technology is safe and reliable lifting with long and efficient operation without interruption - over one thousand lifts with one complete, 2 hour battery charge!

The real beauty of this magnet is that it is fully automatic - no user interface is required to turn the magnet ON or OFF. The secret lies in the built-in load-sensing system. This unique feature utilizes a self-adjusting shaft that turns the magnet ON or OFF every time it completes a cycle. When the magnet is set down on a load, the shaft goes down, which engages the magnet. The magnet turns "ON" and stays "ON" until the load is set back down, whereby the shaft goes down and turns the magnet "OFF". The operator also has the option to manually control the magnet by pressing the push buttons located on the side of the unit.

FEATURES:

- » Rare Earth Permanent magnet
- » Automatic controlled ON/OFF
- » Operating Temp: 32°F to 122°F
- » Internal chargeable battery for switching
- » Fast cycle times
- » Over one thousand lifts with one complete battery charge
- » 3:1 design factor
- » 3/8" or thicker does not double blank



Model No.	Working Load Limit (WLL)		Overall			Bail		Weight (lbs)	
	WLL (lbs)	WLL (kg)	Height (in)	Width (in)	Length (in)	Thickness (in)	Height (in)	Width (in)	
LI-120ALM	265	120	7.87	4.92	4.92	3/8	1-1/4	1-1/4	14.3

Working Load Limit in lbs (kg) & *Max Sheet Length Due To Sag For Material Thickness For Single Magnet Use

Model No.	3/16" (6' Length)	1/4" (6' Length)	3/8" (8' Length)	1/2" (8' Length)	1" (10' Length)	3" (10' Length)
LI-120ALM	78 (35)	111 (50)	232 (105)	265 (120)	265 (120)	265 (120)

NOTE: Lifting Values for the ixtur® Automatic Lift Magnet are stated at 33% of the actual value. We recommend when lifting sheets over 8', use 2 or more lifts on a spreader bar to prevent sheet flexing, sagging or peel-off. Thin material is susceptible to magnetic bleed through, resulting in two sheets being lifted at once. *These maximum sheet lengths are selected due to the sag characteristics of the specified sheet. The item to be lifted must cover the entire length and width of the magnetic poles to properly engage and release the part.