

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 No. of Poles	Bail Opening			Weight
Model No.	LBS	KG	Ln. (in)	Wd. (in)	Ln. (in)	Wd. (in)	Ht. (in)		Th. (in)	Ht. (in)	Wd. (in)	lbs (kg)
FXE3525-100	3525	1600	8.7	8.7	11.7	11.7	13.6	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 98"

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		
	WLL (lbs)	WLL (kg)	Height (in)	Width (in)	Length (in)	Thickness (in)	Height (in)	Width (in)	Weight (lbs)
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.