

# FX SERIES LIFTING MAGNETS



## FXR PERMANENT LIFTING MAGNETS FOR ROUND MATERIAL

We recommend the FXR for when you're mostly 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



Model No.	WLL		Overall		Magnet			Handle	Bail			Wt.(lbs)
	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	
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

Model No.	Working Load Limit (WLL) in lbs (kg) & *Max sheet Length Due To Sag For Material Thickness For Single Magnet Use							Round Lifting Applications		
	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)



Model No.	WLL		Overall		Magnet			Handle	Bail			Wt. (lbs)
	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	
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

Model No.	FLAT SURFACES					ANGLE IRON LEGS DOWN (Λ) ANGLE LEGS UP (V)										
	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 (125)	415 (190)	440 (200)	440 (200)	440 (200)	FXV0440	260 (120)	100 (50)	260 (120)	175 (80)	260 (120)	220 (100)	260 (120)	220 (100)	260 (120)	220 (100)
FXV0880	440 (200)	695 (320)	810 (370)	880 (400)	880 (400)	FXV0880	440 (200)	270 (125)	495 (225)	275 (125)	550 (250)	385 (175)	550 (250)	440 (200)	550 (250)	440 (200)
FXV1775	440 (200)	935 (450)	1150 (550)	1775 (800)	1775 (800)	FXV1775	485 (220)	300 (140)	650 (300)	325 (150)	815 (375)	500 (230)	870 (400)	650 (300)	870 (400)	650 (300)