

## PERMANENT RARE EARTH MAGNETIC LIFTS

### ADVANTAGELIFT™ MAGNETS

The AdvantageLift™ has many advantages over other lift magnets on the market. This On/Off Permanent Rare Earth Lift magnet built to last in a heavy-duty industrial work environment while providing all the safety features that protect workers and equipment. First, the handle operation is by far the best and most ergonomic feature of the magnet. Handle moves laterally in and out instead of pulling the handle or pressing a release button or lever. While other magnets are not equipped to allow use a "cheater bar" to turn a magnet "On" and "Off," this lift magnet can accommodate a tubular bar or pipe. This reduces the need to bend over to turn the magnet "On" and "Off" when lifting steel off pallets or the floor. Removal of any "cheater bar" or pipe during the lift process is recommended to prevent damage to the handle and other items the bar could encounter. Second, the lifting bail is the "lock-out" feature for this magnet. When magnet is under load, the lifting bail lock-out prevents the handle from being rotated to the Off position. This feature works on the vertical lifting bail as well.

**FEATURES:**

- » On/Off Permanent Rare Earth Magnet
- » Handle moves laterally instead of pulling, pressing buttons or levers
- » Locking lifting bail(s) prevents accidental load release during lift
- » Recessed (protected) labels for extended life
- » Lifts flats both horizontally and vertically with Vertical Lift Bail
- » Supports custom pole shoes (1/4"-20 Tapped Holes, 1/2" deep)
- » Swiveling Lift Bail(s)
- » Operating temperature range of -10°F (-23°C) to 180°F (82 °C)
- » 3:1 Design Factor
- » ASME B30.20 BTH-1 Design Category B Service Class 3



Model No.	WLL		Overall			Magnet		Handle		Bail			Wt. (lbs)
	LBS	KG	Ht. (in)	Wd. (in)	Ln. (in)	Ht. (in)	Wd.(in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	
AL0660	660	300	8	5-7/16	10-1/8	4-5/8	3-3/8	6-3/16	10-1/8	1/2	1-7/8	1-1/2	33
AL1200	1200	454	8	5-7/16	13-1/4	4-5/8	3-3/8	9-3/16	10-1/8	1/2	1-7/8	1-1/2	46
AL1600	1600	680	10	6-7/8	13-5/16	6	4-3/8	9-3/16	11-7/16	5/8	2-7/32	1-3/4	80
AL2200	2200	907	10	6-7/8	16-5-1/16	6	4-3/8	12-3/16	11-7/16	5/8	2-7/32	1-3/4	102
ALLUG1	-	-	3-9/16	4-3/8	4-11/16	-	-	-	-	1/2	1-7/8	1-1/2	4
ALLUG2	-	-	4-3/4	5-3/4	5-3/4	-	-	-	-	5/8	2-7/32	1-3/4	6

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			WLL Vertical Flat Only				
	1/4" (6' Ln)	3/8" (8' Ln)	1/2" (8' Ln)	3/4" (8' Ln)	1" (10' Ln)	2" (10' Ln)	WLL- lbs (KG) 8"O.D. 1" Th	Min. Dia. (in)	Min. Th. (in)	Model No.	Lbs*	KG*	Length (in)	Weight (lbs)
AL0660	220 (100)	410 (186)	480 (218)	660 (300)	660 (300)	660 (300)	330 (113)	2	1/2	AL0660LUG	165	75	14-7/8	37
AL1200	290 (132)	590 (268)	670 (304)	1200 (544)	1200 (544)	1200 (544)	660 (300)	3	1/2	AL1200LUG	300	136	17-15/16	50
AL1600	340 (154)	670 (304)	770 (349)	1350 (612)	1600 (726)	1600 (726)	800 (362)	4	1	AL1600LUG	400	182	18	86
AL2200	NA	NA	NA	1720 (780)	2200 (998)	2200 (998)	NA	5	2	AL2200LUG	550	250	22	108

\*Note: Lift Capacity Based On 1" Minimum Material Thickness

**NOTE:** Working Load Limit (WLL) lifting values for the AdvantageLift® Magnets 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. Round Item Lifting Values are based on ideal conditions. Pipe length, wall thickness, diameter and surface condition can all affect the magnet's performance. Please consult the factory before specifying these magnets for use on round materials. \*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. **CF = Consult Factory NA = Not Applicable (Magnets listed will not turn "ON" on specified material thicknesses.)**

## SPREADER BEAMS



When lifting large steel shapes, such as off-center loads, round, rectangular or long items (I-beams), one lift magnet may not be enough. IMI's Spreader Beams allow two magnets to be used at one time with only one lifting source. Magnets on a Spreader Beam keep your product level, reducing the height required to lift the load, providing a safer lift environment while reducing the time needed to move the load.



**SBI SERIES FEATURES:**

- » Low cost spreader beams
- » One-piece construction
- » Fork lift pockets
- » Multiple spreads plus center hole
- » Designed and manufactured to ASME B30.20



**SBC SERIES FEATURES**

- » Beams 3' to 4' have 2 spreads
- » Beams 6' to 10' have 3 spreads
- » Swivel hooks with latches
- » Designed and manufactured to ASME B30.20