

# 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
- » RFID Enabled. Embedded RFID Chip
- » 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



	WLL		Overall			Magnet			Handle	Bail			
Model No.	LBS	KG	Ht. (in)	Wd. (in)	Ln. (in)	Ht. (in)	Wd.(in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)
AL0500	500	227	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
AL1000	1000	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
AL1500	1500	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
AL2000	2000	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)	
AL0500	220 (100)	410 (186)	480 (218)	500 (227)	500 (227)	500 (227)	250 (113)	2	1/2	AL0500LUG	125 57	14-7/8	37	
AL1000	290 (132)	590 (268)	670 (304)	1000 (454)	1000 (454)	1000 (454)	500 (226)	3	1/2	AL1000LUG	250 113	17-15/16	50	
AL1500	340 (154)	670 (304)	770 (349)	1350 (612)	1500 (680)	1500 (680)	750 (340)	4	1	AL1500LUG	375 170	18	86	
AL2000	NA	NA	NA	1720 (780)	2000 (907)	2000 (907)	NA	5	2	AL2000LUG	500 227	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.)