

# PERMANENT RARE EARTH MAGNETIC LIFTS



## VersaLift™ Magnets

Compact switchable Rare Earth permanent lift magnet for use on flat or round surfaces. Contains an internal On/Off release device that does not contact or damage the surface of the part. Locking On/Off handle prevents the handle from being bumped “On” or “Off”, combined with a permanent magnetic lift, eliminates the fear of dropping the load. More features than other lifts and manufactured in the USA (USA M.A.D.E.™).

### Features

- Rare Earth Permanent Magnet
- Vertical Lift Capable using the optional Lift Lug attachment
- RFID Enabled - Embedded RFID Chip
- Locking On/Off handle & Test load feature
- Supports custom pole shoes (4, 1/4”-20 Tapped Holes, 1/2” deep)
- Lifts flat or round loads (see chart below)
- Stationary Lift Lug(s)
- Heat resistant up to 180°F (82°C)
- 3:1 Design Factor
- ASME B30.20 BTH-1 Design Category B Service Class 3



To operate Test Feature, pull spring loaded handle out and rotate it to the “TEST” position. Lift load approximately 2-3” to verify the magnet has the capacity to lift your load. Once verified, place load back down and turn the handle to the “ON” position. **Never complete entire lift operation in “TEST” position.**

Model No.	WLL		Overall		Magnet			Handle		Bail		
	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)
VL0600	600	272	6-1/2	7	3-3/4	5	5-5/8	6	3/4	2-1/4	1-3/4	20
VL0600W/LUG	600	272	6-1/2	11-5/16	3-3/4	5	5-5/8	6	3/4	2-1/4	1-3/4	21.15
VL1200	1200	544	6-1/2	11	3-3/4	5	10	6	3/4	2-1/4	1-3/4	27
VL1200W/LUG	1200	544	6-1/2	15-5/16	3-3/4	5	10	6	3/4	2-1/4	1-3/4	28.15
VLLUG1	-	-	3-1/2	4-5/16	-	-	-	-	-	-	-	1.15

Horizontal Part Working Load Limit in lbs (kg) & *Maximum Sheet Length Due To Sag For Material Thickness For Single Magnet Use								
Model No.	1/4" (6' Length)	3/8" (8' Length)	1/2" (8' Length)	3/4" (8' Length)	1" (10' Length)	2" (10' Length)	3" (10' Length)	
VL0600	260 (117)	435 (197)	525 (238)	550 (249)	600 (272)	600 (272)	600 (272)	
VL1200	NA	755 (342)	960 (435)	1165 (528)	1200 (544)	1200 (544)	1200 (544)	

Model No.	Horizontal Part Round Lifting Applications			Vertical Part Lift (Flat Only)	
	Maximum WLL - lbs (kg)	Maximum WLL at Minimum	Diameter / Thickness	WLL - lbs (kg)	Minimum Thickness
VL0600	300 (136)	130 (58)	2.00 In. / 0.12 In.	150 (68)	1.00 In.
VL1200	600 (272)	600 (272)	4.00 In. / 0.50 In.	300 (136)	1.00 In.

**NOTE:** Lifting Values for the VersaLift™ 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 Lifting Values are based on ideal conditions. Consult the factory before specifying these magnets for use on round materials. \*Max. sheet lengths are selected due to sag characteristics of 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. **NA = Not Applicable (Magnets will not turn “ON” with stated thicknesses.)**

## DynamicLift™ Magnets

These lightweight switchable Rare Earth permanent lift magnets can be used on flat or round surfaces and contain an internal release On/Off device.

### Features

- Top rotating On/Off actuated Rare Earth permanent magnet
- Lifts flat or round loads horizontally and flat loads vertically
- Locking On/Off handle
- Heat resistant up to 180°F (82°C)
- 3:1 Design Factor
- ASME B30.20 BTH-1 Design Category B Service Class 3



Model No.	Working Load Limit (WLL)		Overall		Magnet			Handle		Bail		
	LBS	KG	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)	Ln. (in)	Th. (in)	Ht. (in)	Wd. (in)	Wt. (lbs)
DL0150	150	68.04	9	5	2-3/4	2-1/2	3	2-1/2	1/4	2-1/4	3	6.1
DL0334	334	151.50	9-1/4	6-1/2	3	4	4-1/4	2-1/2	1/4	2-1/4	4	13.3

Horizontal Flat Part WLL (lbs (kg)), Min. Steel Thickness & *Max. Length Due To Sag For Single Magnet								Vertical Part Lift (Flat Only)	
Model No.	1/4" (6' Lg.)	3/8" (8' Lg.)	1/2" (8' Lg.)	3/4" (8' Lg.)	1" (10' Lg.)	2" (10' Lg.)	3" (10' Lg.)	WLL - lbs (kg)	Min. Thickness
DL0150	150 (68.04)	150 (68.04)	150 (68.04)	150 (68.04)	150 (68.04)	150 (68.04)	150 (68.04)	40 (17.01)	0.25 In.
DL0334	275 (124.73)	320 (145.15)	334(151.49)	334(151.49)	334(151.49)	334(151.49)	334(151.49)	75 (37.88)	0.37 In.

Horizontal Round Part Round Lifting Applications					
Model No.	Maximum WLL - lbs (kg)	Minimum Diameter	Minimum Wall Thickness	Maximum WLL at Min. Diameter & Min. Thickness	
DL0150	75 (34.02)	2	1/8	65 (29.48)	
DL0334	167 (75.75)	4	1/8	100 (45.36)	

**NOTE:** Lifting Values for the DynamicLift™ 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. Consult the factory before specifying these magnets for use on round materials. Round Item Lifting Values are based on ideal conditions. Length, wall thickness, diameter and surface can all affect the magnet's performance. \*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.