

PERMANENT RARE EARTH MAGNETIC LIFTS

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		Overall		Magnet			Handle	Bail			
	WLL (lbs)	WLL (kg)	Height (in)	Length (in)	Height (in)	Width (in)	Length (in)	Length (in)	Thick. (in)	Height (in)	Width (in)	Weight (lbs)
DL0150	150	68.04	10	5	2-3/4	2-1/2	3	2-1/2	1/4	2-1/4	3	6.1
DL0334	334	151.50	10-7/16	6-1/2	3	4	4-1/4	2-1/2	1/4	2-1/4	4	13.3

Model No.	Horizontal Flat Part WLL in lbs (kg), Min. Steel Thickness & *Max. Length Due To Sag For Single Magnet							Vertical Part Lift (Flat Only)	
	1/4" (6' Ln)	3/8" (8' Ln)	1/2" (8' Ln)	3/4" (8' Ln)	1" (10' Ln)	2" (10' Ln)	3" (10' Ln)	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.

Model No.	Horizontal Round Part Round Lifting Applications			
	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.

CUSTOM FIXTURE WITH PERMANENT ON/OFF MAGNETS

Our factory experts will develop a unique magnetic lifting device if a standard magnetic lift doesn't work for your application. We will be there every step of the way from field sales support to design, manufacturing and final testing.

For more information on our custom lifting products, please contact us today at 888.582.0823 or go online to www.magnetics.com

- » Custom beams
- » Custom pole shoes
- » Custom lift and rotate fixtures

