



Permanent Rare Earth Powerlifts

DESIGNED FOR THICK, NON-FLEXING MATERIAL. FOR THINNER MATERIAL, SEE THE CHART BELOW

These compact yet powerful Rare Earth lift magnets can be used on flat or round surfaces and contain an internal release on/off device that does not contact or damage the surface of the part being lifted. Permanent magnetic lifts eliminate the fear of dropping the load being lifted due to power failures.



Round Lifting Applications

Features

- On/Off Rare Earth design
- RFID Enabled
- Lifts flat or round loads (see chart below)
- Easy internal manual release does not contact the load
- Heat resistant up to 180 °F (82 °C)
- Handle locks in both On and Off position
- 3:1 Design Factor

CONFORMS TO ASME B30.20 STANDARDS

Model No.	Lift		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)
PNL0250	250	113	6-5/8	5	2-5/8	2-5/8	3-5/8	5-7/8	3/16	1-3/8	1-1/2	7
PNL0800	800	363	8-7/8	7-7/8	3-7/8	3-5/8	6-3/8	6-7/8	1/2	2-3/8	1-3/4	22
PNL1600	1600	726	8-7/8	10-3/4	4-3/4	4-7/8	9-1/8	6-3/4	5/8	3-1/2	2-1/4	53
PNL2500	2500	1134	8-7/8	12-5/8	6-1/2	7-1/8	10-5/8	10-1/8	3/4	4-3/4	3-3/4	110
PNL5000	5000	2268	18	16-1/2	8-3/8	9-1/4	14-7/8	16-3/4	7/8	6	4-3/4	325
PNL6600	6600	2993	22-1/4	20	10-1/4	11-1/4	18-1/16	20-5/8	1-7/16	7-1/4	5-3/4	485

Model No.	Lifting Value in lbs (kg) & *Max Sheet Length Due To Sag For Material Thickness For Single Magnet Use							Round Lifting Applications		
	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)	Lift - lbs (kg)	Min. Dia. (in)	Min. Th. (in)
PNL0250	180 (81)	250 (113)	250 (113)	250 (113)	250 (113)	250 (113)	250 (113)	125 (57)	2	1/2
PNL0800	270 (122)	500 (226)	615 (279)	800 (363)	800 (363)	800 (363)	800 (363)	400 (181)	3	1/2
PNL1600	CF	CF	800 (362)	1600 (726)	1600 (726)	1600 (726)	1600 (726)	800 (363)	4	1
PNL2500	NA	NA	CF	CF	1490 (675)	2500 (1134)	2500 (1134)	1250 (567)	5	2
PNL5000	NA	NA	NA	NA	CF	2625 (1190)	5000 (2268)	2500 (1134)	14	4
PNL6600	NA	NA	NA	NA	NA	NA	6600 (2993)	3300 (1496)	CF	CF

NOTE: Holding Values for the PowerLift 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. *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**

***Round Item Holding Values are based on ideal conditions.** Pipe length, wall thickness, diameter and surface condition can all effect the magnet's performance. Please consult the factory before specifying these magnets for use on round materials.

For technical assistance or to order

1-800-SUREMAG™

900 S. Glaspie Street
Oxford, MI 48371
Tel: 248-628-3808
Fax: 248-628-3844

www.puritanmagnetics.com
E-Mail: magnet@puritanmagnetics.com

Solutions to Your Magnetic Needs

