



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.

Features

- On/Off Rare Earth design
- Lifts flat or round loads (see chart below)
- Easy internal manual release does not contact the load
- Heat resistant up to 2000F (940C)

****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.



CONFORMS TO ASME B30.20 STANDARDS



Round Lifting Applications

Model No.	Pull (lbs)	Min Dia. (in.)	Min Th. (in)
PNL220	110	2	1/2
PNL660	330	3	1/2
PNL1300	650	4	1
PNL2200	1100	5	2
PNL4400	2200	14	4
PNL6600	3300	CF	CF

Pull (lbs)	Overall		Magnet			Hand. Ln. (in)	Bail			Wt. (lbs)	Model No.
	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (in)		Th. (in)	Ht. (in)	Wd. (in)		
220	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	PNL220
660	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	PNL660
1300	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	PNL1300
2200	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	PNL2200
4400	18	16-1/2	8-3/8	9-1/4	14-7/8	16-3/4	7/8	6	4-3/4	276	PNL4400
6600	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	PNL6600

Holding Value & *Maximum Sheet Length Due to Sag for Material Thickness for Single Magnet Use

Model No.	1/4" (6')	3/8" (8')	1/2" (8')	3/4" (8')	1" (10')	2" (10')	3" (10')
PNL220	180	220	220	220	220	220	220
PNL660	270	500	615	660	660	660	660
PNL1300	CF	CF	800	1300	1300	1300	1300
PNL2200	NA	NA	CF	CF	1490	2200	2200
PNL4400	NA	NA	NA	NA	CF	2625	4400
PNL6600	NA	NA	NA	NA	NA	NA	6600

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**

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

