Industrial Rigging & Supply | Lifting Solutions Group Axel Johnson International

Lifting Magnet PowerLift®

Product information



These compact switchable rare earth permanent 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. The locking system is performed by first pulling on the handle to release the lock pin, then rotating the handle to the desired position. The locking feature prevents the handle from being bumped partially “On” and avoids giving the operator a false feeling that the magnet is holding safely.

Features:

- On/Off Rare Earth Permanent Magnet
- Handle locks in both On and Off position
- Lifts flat or round loads
- Easy internal manual release does not contact the load
- ASME B30.20 BTH-1 Design Category B Service Class 3

... *Read more*

Temperature range: -40°F (-40°C) up to +180°F (+82°C)

Safety factor: 3:1

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Technical data

Part code	Code	WLL lb	WLL round materials t	Weight lb
503100010000580	PNL0250	250	0.057	6
503100040000580	PNL0800	800	0.181	21.01
503100070000580	PNL1600	1,600	0.362	50.99
503100110000580	PNL2500	2,500	0.567	122
503100230000580	PNL5000	5,000	1.134	288.01
503100300000580	PNL6600	6,600	1.496	485.02

MIN. PLATE AND BAR MATERIAL THICKNESSES

Working Load Limit (WLL) in lbs (kg) & *Max Sheet Length Due To Sag For Material Thickness For Single Magnet Use								Round Lifting Applications		
Model No.	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 Length)	WLL - 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 (362)	800 (363)	800 (363)	800 (362)	400 (181)	3	1/2
PNL1600	NA	CF	800 (362)	1600 (726)	1600 (726)	1600 (726)	1600 (726)	800 (362)	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

MEASUREMENTS

	WLL		Overall		Magnet			Handle	Bail			
Model No.	LBS	KG	Height (in)	Length (in)	Height (in)	Width (in)	Length (in)	Length (in)	Thickness (in)	Height (in)	Width (in)	Weight (lbs)
PNL0250	250	113	6-5/8	5	2-5/8	2-5/8	3-5/8	4	3/16	1-3/8	1-1/2	6
PNL0800	800	363	8-7/8	7-7/8	3-7/8	3-5/8	6-3/8	8	1/2	2-3/8	1-3/4	21
PNL1600	1600	726	8-7/8	10-3/4	4-3/4	4-7/8	9-1/8	9	5/8	3-1/2	2-1/4	51
PNL2500	2500	1134	13-3/8	12-5/8	6-1/2	7-1/8	10-5/8	10-3/4	3/4	4-3/4	3-3/4	122
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	288
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

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