



MAGNETIC LIFTING SOLUTIONS

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POWERLIFT™ RARE EARTH LIFT MAGNETS:

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 200°F (94°C)

Lock On and Off Feature

PowerLift™ magnets feature a positive lock on and off. This locking feature is built into the handle that requires the operator to lock the magnet on and to lock the magnet off. This prevents the handle from being bumped partially on and give the operator a false feeling that the magnet is holding safely. The locking system is performed by first pulling on the handle to release the lock pin, than rotate the handle to the on position. To turn the magnet off requires the same step as turning the magnet on in the reverse direction.



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

**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.



Pull (lbs)	Overall		Magnet			Handle	Bail			Wt. (lbs)	Model No.
	Ht. (in)	Ln. (in)	Ht. (in)	Wd. (in)	Ln. (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' Length)	3/8" (8' Length)	1/2" (8' Length)	3/4" (8' Length)	1" (10' Length)	2" (10' Length)	3" (10' Length)
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 (Magnets listed will not turn "ON" on specified material thicknesses.)**



Dura Magnetics, Inc.
Magnets & Magnet Solutions

MORE MAGNETIC LIFTING SOLUTIONS

Creative Lift™ Magnets

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

Permanent lift magnets are ideal for handling steel plates, die castings, forgings, etc. They eliminate the need for clamping devices, slings or chains. One person can perform operations previously calling for two or more people.

Features

- Non-Marring Roller Cam Release*
- Less torque required to release part
- Lift capacity clearly stated on magnet
- No Electrical Power Required for Operation
- Durable Stainless Steel Casing
- Heat Resistant up to 300° F (148° C)

* The non-marring roller cam will easily release parts without gouging your valuable materials.



*Patented Release
U.S. Patent: 6,471,273 B1

CONFORMS TO ASME B30.20 STANDARDS

Pull (lbs)	Overall		Magnet		Handle	Bail		Wt. (lbs)	Model No.
	Ln. (in)	Wd. (in)	Ht. (in)	Ln. (in)	Ln. (in)	Open. (in)	Th. (in)		
400	9-7/8"	3-1/2"	3-3/16"	6"	9-1/4"	1-5/16	5/8	12.0	DLL-1382
1000	12-5/8"	5"	3-3/16"	8-11/16"	9-1/4"	1-5/16	5/8	28.0	DLL-1383
1500	14-7/16"	7"	3-3/16"	10-1/2"	20"	1-5/16	5/8	42.0	DLL-1384
2200	15-1/2"	10"	3-3/16"	11-1/2"	20"	1-5/16	5/8	77.0	DLL-1385-B
3000	19-5/8"	10"	3-3/16"	15-3/4"	20"	1-5/16	5/8	105.0	DLL-1386

NOTE: Never stand under load being lifted. Always use extra caution. Only use magnetic lifts on material that does not flex or bend. The surface of the lift and the load need to be clean & free of chips, oil, slag, dirt, etc. Lifts must be centered on the load. Not recommended for painted or finish coated surfaces. We recommend when lifting sheets over 8' long that you use 2 or more lifts. *Maximum sheet lengths are selected due to the sag characteristics of the specified sheet.

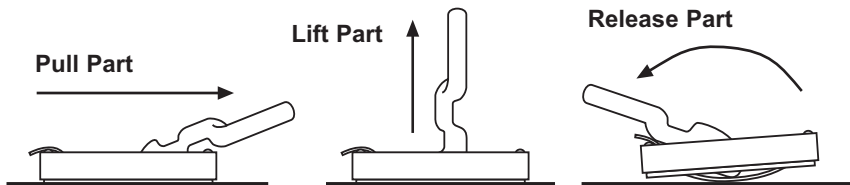
Holding Value & *Maximum Sheet Length Due To Sag For Material Thickness For Single Magnet Use

Model No.	3/16" (6' Length)	1/4" (6' Length)	3/8" (8' Length)	1/2" (8' Length)	3/4" (8' Length)	1" (10' Length)
DLL-1382	400	400	400	400	400	400
DLL-1383	600	900	1000	1000	1000	1000
DLL-1384	800	1000	1500	1500	1500	1500
DLL-1385-B	800	1064	1725	2000	2200	2200
DLL-1386	800	1100	1800	2700	3000	3000

Magnetic Sheet Handlers

Features

- Lift or move sheets, plates, hot or oily parts
- Handle sheets stacked horizontally or vertically
- Protect workers from cuts, slivers, nicks & burns
- Increase productivity
- No electricity required



Pull (lbs)	Th. (in)	Wd. (in)	Ln. (in)	Mag. Th. (in)	Wt. (lbs)	Max. Penetration (in)	Model No.
50.0	4	3-5/8	6-1/8	1-3/8	3.75	3/16	DG-100
125.0	4	7-1/4	6-1/8	1-3/8	8.25	5/16	DG-250
200.0	4	7-1/4	6-1/8	1-3/8	8.25	5/16	DG-400
300.0	4	7-1/4	6-1/8	1-3/8	8.25	5/16	DG-600

Magnetic Trigger Lift™

Hand held lift grips parts with an easy to use trigger release.

Features

- One handed operation
- Permanent magnet
- Move parts faster & easier
- Aluminum housing
- Retrieve hot parts from cutting tables
- 300°F (148°C)



Pull (lbs)	Ht. (in)	Wd. (in)	Ln. (in)	Wt. (lbs)	Model No.
50.0	4-13/16	2-3/8	3-3/8	1.50	DG-090

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