



Eriez Permanent & Electro Lift Magnets

FEATURES

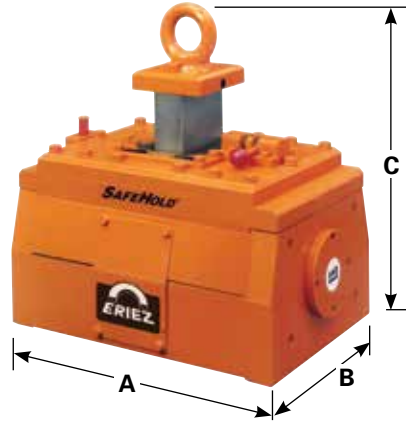
RPL Series



Lift, move or position round or flat materials with the same magnet. Super compact rare earth SafeHold RPL series manually operated permanent lift magnets offer the flexibility to handle multiple operations.

- Powerful rare earth magnets
- Lift flat and round material
- Locking mechanism built into handle for one hand operation
- Manual On and Off
- No power supply required

APL Series



Permanent magnets that turn on and off automatically, without having to manually release the magnet. The SafeHold APL series is ideal for loading and unloading steel sheets from burn tables and anywhere that limits operator access.

- Crane activated On/Off mechanization
- No manual activation required
- Handle flat materials with ease and hands-free activation
- No power supply required

Selecto Electro Magnets



These units have a built-in rectifier/drop control circuit with a "Lift-Off-Drop" switch attached to the magnet. This eliminates the need for a separate rectifier and can briefly cancel out any residual magnetism to quickly discharge the load from the magnet.

- 100% duty cycle
- Fully encapsulated moisture proof coil
- Built-in solid-state rectifier and drop-control circuit
- Copper-wound coil
- 115VAC

| Eriez Model # | RPL - 2 | RPL - 7 | RPL - 15 | RPL - 25 | APL - 11 | APL - 24 | ST-4D | ST-5D | ST-8D | |
|---------------------------------------------|----------------------|---------|----------|----------|----------|----------|--------|---------|---------|---------|
| Flat - max cap (lbs.) | 250 | 750 | 1,500 | 2,500 | 1,100 | 2,400 | 375 | 1,030 | 2,800 | |
| Min Thickness - max cap (in.) | 1 | 1 | 1-3/4 | 1-3/4 | 1-1/4 | 2 | 1 | 1 | 2 | |
| Round - max cap (lbs.) | 125 | 375 | 750 | 1,250 | — | — | — | — | — | |
| Min to Max OD (in.) | 3 | 5 | 6-1/2 | 10 | — | — | — | — | — | |
| Material Thickness Capacity Ratings* | 11 Gauge | 50 | 100 | 100 | 90 | 120 | 150 | 35 | 55 | 70 |
| | 1/4 inch | 110 | 250 | 260 | 220 | 400 | 610 | 140 | 170 | 205 |
| | 3/8 inch | 180 | 500 | 670 | 600 | 620 | 1,070 | — | — | — |
| | 1/2 inch | 210 | 680 | 1,050 | 900 | 760 | 1,550 | 315 | 600 | 775 |
| | 3/4 inch | 240 | 710 | 1,350 | 1,500 | 780 | 1,780 | — | — | — |
| | 1 inch | 250 | 750 | 1,430 | 1,880 | 880 | 1,980 | 375 | 1,030 | 2,350 |
| | 1-1/4 inch | 250 | 750 | 1,460 | 2,260 | 1,100 | 2,160 | — | — | — |
| | 1-1/2 inch | 250 | 750 | 1,460 | 2,400 | 1,100 | 2,260 | — | — | — |
| | 1-3/4 inch | 250 | 750 | 1,500 | 2,500 | 1,100 | 2,330 | — | — | — |
| | 2 inch | 250 | 750 | 1,500 | 2,500 | 1,100 | 2,400 | 375 | 1,030 | 2,800 |
| Dimensions | A (in.) | 3-9/16 | 6-3/8 | 9-1/8 | 10-5/8 | 10-13/16 | 14 | 4" Dia. | 5" Dia. | 8" Dia. |
| | B (in.) | 2-1/2 | 3-5/8 | 4-13/16 | 6-15/16 | 12 | 12 | — | — | — |
| | C (in.) | 2-5/8 | 3-9/16 | 4-5/8 | 6-13/32 | 21-1/2 | 22-1/4 | 5-5/8 | 8-5/16 | 10-1/2 |
| | Weight (lbs.) | 7 | 22 | 53 | 110 | 291 | 401 | 10 | 25 | 80 |

*Notes: 1. Listed capacity ratings are on flat, clean, polished steel plate with magnet face in full contact with the load surface.
 2. Material Thickness: Lifting capacity is lower on thinner materials.
 3. NR - Not recommended

Safe Lifting Guidelines

Surface Condition: Magnet face and load surface must be clean and smooth. Capacity ratings listed are on flat, clean, polished steel plate with magnet face in full contact with the load surface. Paint, coatings, scale or other materials between the load surface and the magnet will adversely affect the holding power of the magnet.

Material Thickness: Lifting capacity is lower on thinner materials.

Material Composition: Magnet capacity is based on lifting low carbon steel. Other materials may reduce lifting capacity.

Load Size and Position: Thin sheets, rough and irregular surfaces, odd shapes and scale all affect holding power adversely and must be considered in establishing a safety factor. The magnet must be positioned on the load center of gravity. Tilted or unbalanced loads significantly affect the holding power of the magnet.

Capacity: Maximum attractive force is approximately twice the rated lifting capacity. Capacity ratings listed are on flat, clean, polished steel plate with magnet face in full contact with the load surface. The above factors should be taken into account when determining appropriated safety factors for a given load. A minimum of 3:1 safety factor must be applied based on the actual breakaway force for a given load.

Refer to ASME Standard B30.20 for inspection and operating procedures of Close Proximity Operated Lifting Magnets and read Manufacturers' Operating Manual before using magnet.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment

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