



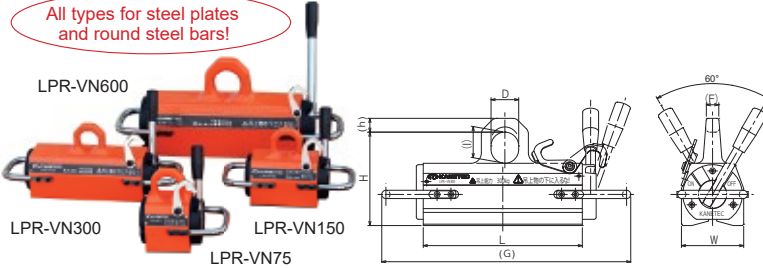
Model LPR-VN SMALL PERMANENT MAGNETIC LIFMA*

Permanent magnetic Lifma with enhanced operability and safety.

Application

Permanent magnetic type lifting magnets used as a lifting section of cranes and hoists for transportation of steel materials in warehouses and machining shops or for loading and unloading workpieces to and from machine tools. These are suitable for transporting semifinished products having a flat surface such as machine parts, press dies and plastic molds and for transporting mill scale steel plates and flat steel materials.

All types for steel plates and round steel bars!



Features

- All types are capable of lifting steel plates and round steel bars.
- These are of permanent magnetic type requiring no power source. Thus, there is no risk of falling workpieces due to power failure or failure of wiring systems.
- Powerful magnetic force but compact and light weight.
- The narrowest handle operating angle of 60 degrees (patented) in the industry facilitates the ON/OFF operation in small space.
- In addition to the conventional handle lock mechanism, a safety stopper is provided as a standard accessory. These double safety measures prevent falling of lifted objects due to unexpected returning of the handle.

[mm (in)]

| Model | Lifting Capacity | | Dimensions | | | | | | | | Mass |
|-----------|-------------------|------------------|---------------|---------------|---------------|--------------|---------------|--------------|--------------|------------------|-------------------|
| | Steel Plate | Steel bar | W | L | G | h | H | D | F | I | |
| LPR-VN75 | 75kg/ 165 lb | 50kg/ 110 lb | | 80 (3.14) | 160 (6.29) | 15 (0.59) | 135 (5.31) | 40 (1.57) | 15 (0.59) | 45 (1.77) | 5.5kg/ 12.1 lb |
| LPR-VN150 | 150kg/ 330 lb | 100kg/ 220 lb | 90 (3.54) | 130 (5.11) | 260 (10.2) | 20 (0.78) | 184 (7.24) | 60 (2.36) | 25 (0.98) | 35kg/ 77.1 lb | |
| LPR-VN300 | 300kg/ 661 lb | 200kg/ 440 lb | | 230 (9.05) | 360 (14.1) | 20 (0.78) | | | 18 (0.70) | | 14kg/ 30.8 lb |
| LPR-VN600 | 600kg/ 1322 lb | 400kg/ 880 lb | 119 (4.68) | 330 (12.9) | 500 (19.6) | 25 (0.98) | 184 (7.24) | 60 (2.36) | 25 (0.98) | 65 (2.55) | 35kg/ 77.1 lb |

Model LPH LARGE PERMANENT MAGNETIC LIFMA*

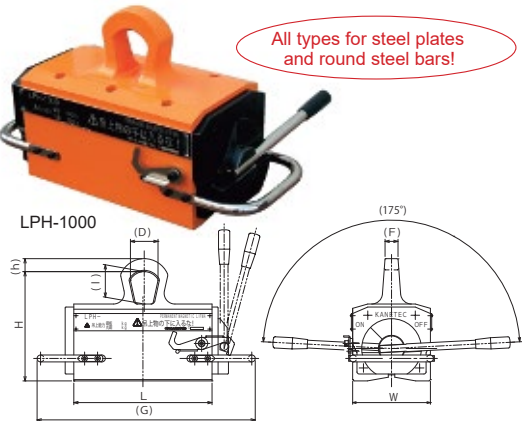
Application

Permanent magnetic type lifting magnets used as a lifting section of cranes and hoists for transportation of steel materials in warehouses and machining shops or for loading and unloading workpieces to and from machine tools. These are suitable for transporting semi-finished products having a flat surface such as machine parts, press dies and plastic molds and for transporting mill scale steel plates and flat steel materials.

Features

- All types are capable of lifting steel plates and round steel bars.
- The ON/OFF handle operating force has been reduced to a half max. of that of the conventional models. The operability in lifting thin workpieces and pipes that are difficult to lift with conventional models has been improved. (Patented)
- In addition to the conventional handle lock mechanism, a safety stopper is provided as a standard accessory. These double safety measures prevent falling of lifted objects due to unexpected returning of the handle. (Design registered)
- These are of permanent magnetic type requiring no power source. Thus, there is no risk of falling workpieces due to power failure or failure of wiring systems.

[mm (in)]



| Model | Lifting Capacity | | Dimensions | | | | | | | | | Mass |
|----------|------------------|----------------|------------|------------|------------|-----------|------------|-----------|-----------|-----------|---------------|------|
| | Steel Plate | Steel bar | W | L | G | h | H | D | I | F | | |
| LPH-1000 | 1000kg/ 2205 lb | 600kg/ 1323 lb | 180 (7.08) | 320 (12.5) | 505 (19.8) | 30 (1.18) | 253 (9.96) | 65 (2.55) | 75 (2.95) | 30 (1.18) | 80kg/ 176 lb | |
| LPH-1500 | 1500kg/ 3307 lb | 800kg/ 1764 lb | | 400 (15.7) | 585 (23.0) | 35 (1.37) | 268 (10.5) | 75 (2.95) | 85 (3.34) | | 100kg/ 220 lb | |
| LPH-2000 | 2000kg/ 4410 lb | 900kg/ 1984 lb | 205 (8.07) | 500 (19.6) | 685 (26.9) | 38 (1.49) | 281 (11.0) | 80 (3.14) | 97 (3.81) | 35 (1.37) | 130kg/ 286 lb | |

Model HL HAND LIFMA*

Application

Suitable for pulling out steel materials or steel plates and carrying metal frames, raw materials, press molds, semi-finished products, etc.

Features

- A new cam mechanism is employed so as not to apply friction due to holding and releasing directly to the surface of workpieces to transport. (HL-20A)
- Workpieces are held and released quite smoothly.
- The magnetic force can be turned on and off by lever operation. (HL-15)
- The T-handle is robust and held by hand comfortably for stable workpiece transportation. (HL-15)

How to use (HL-20A)



[mm (in)]

| Model | Max. Holding Power | | Lifting Capacity | Dimensions | | | Handle Length | Mass |
|--------|--------------------|----------------|------------------|------------|------------|-----------|---------------|---------------|
| | Lateral | Lift | | Width | Length | Height | | |
| HL-15 | 350N (35kgf) | 1.5kN (150kgf) | 20kg/ 44.1 lb | 60 (2.36) | 120 (4.72) | 52 (2.04) | 49 (1.92) | 3.0kg/ 6.6 lb |
| HL-20A | 500N (50kgf) | 2 kN (200kgf) | 30kg/ 66.1 lb | 100 (3.93) | 140 (5.51) | 32 (1.26) | 200 (7.87) | 2.5kg/ 5.5 lb |

Model MTP MAGTAP*

Application

A tool designed to facilitate tapping of prepared holes in iron and steel plates secured with a powerful magnet.

Features

- Small and light weight for easy carrying around.
- The tap guide holder to facilitate accurate tapping in horizontal and vertical faces.
- Wear and damage of taps can be prevented.
- The magnet used is a powerful permanent magnet.

| Model | Tap Feeding | Tapping Capacity | Max. Stroke | Holding Method | Holding Power | Dimensions | | Mass |
|---------|-------------|--------------------------|-------------|------------------|---------------|-------------------------------------|------------|----------------|
| | | | | | | Magnet | Height | |
| MTP-13B | Manual | M 3 (0.11) M12 (0.47) | 60 (2.36) | Permanent magnet | 0.8kN (80kgf) | 50 (1.96) × 58.5 (2.30) × 55 (2.16) | 210 (8.26) | 2.5kg/ 5.51 lb |

