

# PML

PML is mainly used for connecting component during lifting and handling operation. They can hoist moving iron block, cylindrical and other magnetic material. They are easy for operation, safe in handling, lightly and ingeniously structured. Hence they are widely used as hoisting devices in factories, docks warehouse and transportation industries. By using them, you can improve your working conditions and increase your working efficiency. Meantime it's perfect solution for loading or unloading most workpieces including press molds, plastic molds, machined parts, etc . It has strong magnetic path produced by NdFeB permanent magnet. On and off the magnetic path is controlled by turning the manual nozzle. There are shackles on the top of Magnetic Lifting Hoist for lifting, a veto slot on the holding face for holding cylindrical component firmly.

## Features and Applications:

This technology is able to make a powerful, lightweight & portable permanent lifting magnet and were designed for easy performance and longevity by distinctive in style and fortunately it doesn't require any electricity power. Each magnetic lifter equipped with a smooth Lever action that rotates just 90° from "off" to "on" positions to make the switching process easy. All Lifters have a unique lever locking system too, whether that permits single-hand operation allowing the operator to support the load properly.

Its important to be said that Magnetic Lifter Bi-Polar capabilities enables the unit to lift up flat and round stock safely.

Each and every lifting magnet by its special design of magnetic poles is tested to exceed a 3.5 times safety factor, and each must undergo a high reluctant air-gap test.

Assembled high strength NdFeB element in the PML causes to be increased the magnetic power as well as decreasing weight and size of device.

The main advantages of the Permanent Lifting magnet are:

- The small dimension and low weight
- Long life time and stable lifting performance
- Without electric power consumption, no request cable, control panel and battery
- Load will not fall due to power failure
- Fast switching by turning on-off handle
- Mechanical lock on Crow to prevent of any undesirable tear load off
- No maintenance required
- Special contoured or V shaped pole profiles can be provided for lifting curved objects such as round bars, Pipes etc.



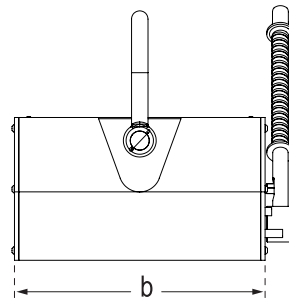
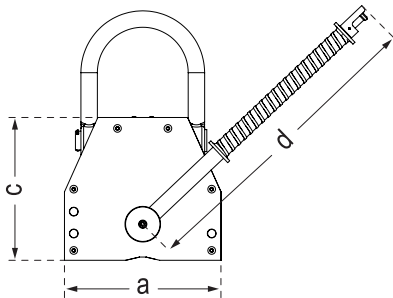
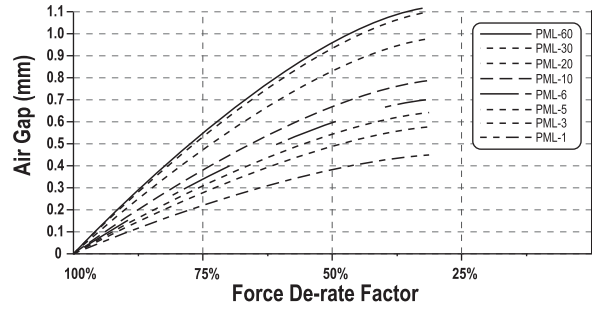
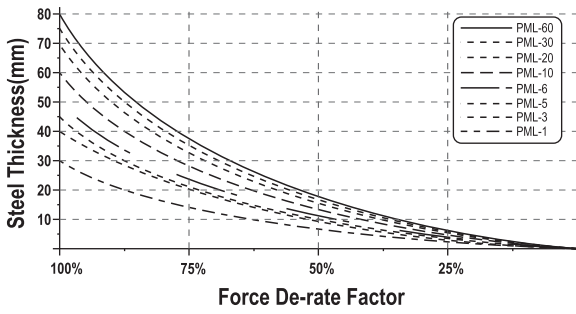
# MAG™

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June 2023

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Model	Rated lifting strength (SF 3.5)	Rated lifting strength (SF 2)	Cylindrical lifting (SF 3.5)	Max pull off strength	Dimensions				Operation temperature	Weight Approx.
					a	b	c	d		
	kgf	kgf	kgf	kgf	mm				°C	kg
PML 100	100	175	30	350	62	92	67	145	<80	3
PML 300	300	525	100	1,050	92	162	96	180	<80	10
PML 500	500	870	150	1,750	120	216	118	220	<80	20
PML 600	600	1,050	200	2,100	122	232	120	220	<80	24
PML 1000	1,000	1,750	300	3,500	176	258	163	285	<80	50
PML 2000	2,000	3,500	600	7,000	234	378	212	465	<80	125
PML 3000	3,000	5,250	1,000	10,500	286	458	261	565	<80	220
PML 6000	6,000	9,600	2,000	19,200	296	720	266	710	<80	398



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