

# NEOLIFTER 'P' SERIES

PM

MANUAL PERMANENT MAGNET LIFTER

## DESCRIPTION

### LIFTON MAGNETS NEOLIFTER P SERIES

In the series of LIFTON LIFTERS are the Neodymium (NdFeB) permanent magnet based Neolifters P Series. All LIFTON lifting magnets are simple to operate and almost maintenance free. High quality and durable materials are used for manufacture of these lifters. The P series has been improved by changing into the single hand operating handle which allow quick lock and release of our lifter.

### POINTS TO NOTE

In spite of the excellent properties of LIFTON Lifters, when working with the permanent magnet range a few points must be noted.

### SURFACE CORROSION OF WORKPIECE

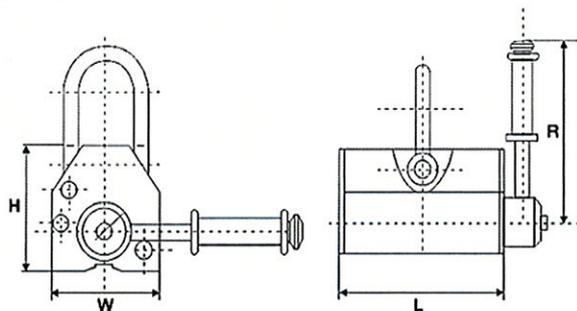
There is a reduction in the lifting capacity when the surface of the material is painted or coated as the pole plate cannot come in direct contact with the ferrous surface. This distance is called the air-gap. The air-gap size determines the lifting capacity.

### SAFETY FACTOR

LIFTON strictly adheres to a safety factor of at least 3:1 for all lifting magnets.

### PROPERTIES AND DIRECTIONS OF USE

While the surface condition i.e. the area of contact is very important, in general; a smooth flat surface is good enough. The magnet should always be hung from the centre of the job i.e. used in equilibrium as far as possible.



THICKNESS	(mm)	RATED CAPACITY (Safe Lifting Weight or SWL)							
		5000Kg	3000Kg	2000Kg	1000Kg	500Kg	300Kg	200Kg	100Kg
T1	70	100%							
T2	60	90%	100%						
T3	50	85%	90%	100%	100%				
T4	45	80%	85%	90%		100%			
T5	40	70%	80%	85%	90%				
T6	35	60%	70%	75%	85%	90%			
T7	30	50%	60%	65%	80%		100%		
T8	25	40%	50%	55%	70%	80%			
T9	20	30%	40%	45%	60%	75%	90%	100%	100%
T10	15	20%	30%	35%	50%	60%	70%	90%	90%
T11	10	10%	20%	25%	35%	45%	50%	70%	70%
T12	5	5%	10%	15%	20%	25%	30%	40%	40%

- Testing plate thickness 55mm
- Lifting capacity depends with - Thickness of load - Roughness of job surface - Hardness of material - Contact area of magnet - Temperature of the load

Model	Rated lifting -Flat (kg)	Rated lifting -Round (kg)	Pull-off force (kg)	L (mm)	W (mm)	H (mm)	R (mm)	Weight (kg)
NML-P-100	100	50	300	92	64	67	123	3
NML-P-300	300	150	900	162	92	91	155	7.5
NML-P-600	600	300	1800	233	122	118	196	23
NML-P-1000	1000	500	3000	268	179	164	255	56
NML-P-2000	2000	1000	6000	378	234	212	426	125
NML-P-3000	3000	1500	9000	497	310	252	505	220
NML-P-6000	6000	3000	18000	621	442	355	548	420



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