

Permanent Lifting Magnets

Permanent lifting magnets manufactured from two-pole design, high energy magnets with an improved easy switching system with only one hand. Suitable for flat and round sections.

Safety Factor: 3 : 1

Applications:

- Workshops
- Construction sites
- Warehouses
- Steel stockholder

Hand Magnets



Factors that reduce the magnetic clamping force:-

Air gap: An air gap between the magnet and the load such as surface damage, paint, dust and mill scale.

Material thickness: Plates thinner than the recommended minimum will reduce the lifting capacity.

Temperature: The temperature of the load must not exceed 200°C.

Contact area: Full lifting capacity is only achieved when the magnet has full contact area with the component.

Material Type: Certain materials have different abilities to carry magnetism so a reduction factor must be applied. Please contact us for more details.

Model	Flat Material		Round Material		Maximum Length Of Material (mm)	Dimensions			
	Working Load Limit (WLL) (kg) **	Minimum thickness for WLL (mm)	Working Load Limit (WLL) (kg) **	Diameter Min./Max. (mm)		Length (mm)	Width (mm)	Height inc. Eye (mm)	Weight (kg)
PLM 100	100	14	50	40 - 300	2000	122	69	185	5.3
PLM 300	300	20	150	60 - 300	2500	192	95	225	13.5
PLM 500	500	24	250	60 - 400	3000	232	120	270	27.5
PLM 800	800	34	400	60 - 400	3500	302	154	320	52
PLM 1000	1000	40	500	80 - 400	3500	332	154	320	57
PLM 2000	2000	55	1000	100 - 400	3500	392	196	420	125
PLM 3000	3000	65	1500	200 - 500	3500	497	220	453	195

** Maximum lifting capacity is achieved by using mild steels with the noted minimum thickness.
Mild steel st37 – Fe 360 to BS EN 10 025 1990 (DIN 17100)

Tilting Lifting Attachment

