

## Permanent Lifting Magnet Powertex PLM

### Product information



### **POWERTEX**

Powertex Permanent lifting magnets PLM are very strong, durable and easy to use. The lifting magnets are designed to be versatile and can be used to attach to both flat and circular objects. They need limited maintenance and are designed to keep the lifting capacity over a long lifetime. The PLM magnets are very powerful compared to their dimensions and are light in weight.

#### Features:

- Safe - each lifting magnet is proof load tested to 3,5 x WLL and inspected before leaving the factory
- High quality powerful Neodymium permanent magnets inside
- Light weight
- Designed to lift on both flat and circular surfaces
- Very high safety factor 3,5 (EN 13155 require SF 3)
- The increased safety factor increase life time and assures that standard safety factor 3 can be met also after annual check
- Strong and durable powder painted steel housing with machined connection surface
- Wear and corrosion resistant Chrome plated shackle as top connection
- Handle is equipped with a positive locking device and double locking for extra safety
- RFID equipped (chip) for easy registration, service and inspection
- QR code for on-site access to Multilanguage user manuals
- Test certificate and Declaration of Conformity enclosed with each lifting magnet
- Spare parts available

**Material:** High quality magnetic material in strong and solid housing

**Marking:** According to standard, CE-marked, Powertex, model, WLL, individual serial number, manufacturing date, QR code, capacity chart and equipped with a warning tag.

**Temperature range:** -40°C – +80°C.

**Finish:** Red powder painted housing and Chrome plated shackle

**Standard:** EN 13155, AS 4991

**Note:** Max. lifting capacity is based upon lifting clean, flat, low-carbon steel plate with the full area of the magnet's pole area in contact with the load.

**Safety factor:** 3,5:1.

Part code	Code	WLL ton	Max. handle turning force kgf	Max. handle turning force kN	A, B, C, D, E, K, L	M mm	N mm	O mm	Weight kg	Delivery time
5031000100000040	PLM-1	0.1	< 4	0.039	29 71 64 47 29 92 54	130	45	31	3	3
5031000300000040	PLM-3	0.3	< 8	0.078	39 96 88 63 41 165 78	158	63	45	10	3
5031000600000040	PLM-6	0.6	< 8	0.078	51 118 118 74 57 216 114	199	94	57	20	3
5031001000000040	PLM-10	1	< 16	0.157	64 140 148 90 66 286 126	246	106	73	40	10
5031002000000040	PLM-20	2	< 16	0.157	92 188 188 122 82 397 150	375	120	100	95	10

## Lifting table

Size	Flat material	Round material
100	100 kg (≥30 mm)	40 kg (≥55 mm)
300	300 kg (≥40 mm)	125 kg (≥70 mm)
600	600 kg (≥50 mm)	250 kg (≥80 mm)
1000	1 t (≥60 mm)	400 kg (≥90 mm)
2000	2 t (≥70 mm)	750 kg (≥100 mm)

# Blueprint

