Permanent Lifting Magnet Powertex PLM

Product information



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 Neodynium 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

... *Read more*

Material: High quality magnetic material in strong and solid housing
Marking: According to standard, CE-mark, 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.

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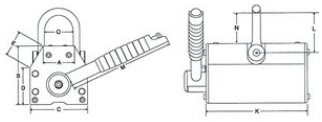
Blueprint



Lifting table

Part code	Code	WLL ton	Max. handle turning force kgf	Max. handle turning force kN	A mm	B mm	C mm	D mm	E mm	K mm	L mm	M mm	N mm	O mm	Weight kg
503100010000040	PLM-1	0.1	< 4	0.039	29	71	64	47	29	92	54	130	45	31	3
503100030000040	PLM-3	0.3	< 8	0.078	39	96	88	63	41	165	78	158	63	45	10
503100060000040	PLM-6	0.6	< 8	0.078	51	118	118	74	57	216	114	199	94	57	20
503100100000040	PLM-10	1	< 16	0.157	64	140	148	90	66	286	126	246	106	73	40
503100200000040	PLM-20	2	< 16	0.157	92	188	188	122	82	397	150	375	120	100	95

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)

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