



**MAGNETIC
SYSTEMS**

PATENTED

US Patent No.
8350663B1

- 1 Only 7.3 kg dead weight
- 2 Max. load-bearing capacity: 500 kg (with 3:1 safety factor)
- 3 360° rotatable and 180° pivotable load swivel
- 4 One-handed operation ('inside' steel beam possible)

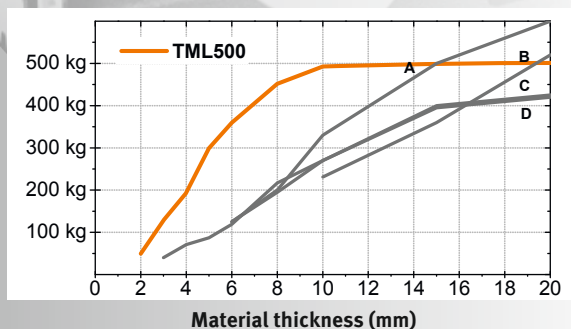


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- Up to 490 kg load-bearing capacity from a material thickness of 10 mm and 300 kg from just 5 mm material thickness on steel S235 plus 3:1 safety factor (i.e. the force which leads to the breakaway of the metal sheet must represent triple the maximum holding force)
- Outstanding performance on thin-walled materials (useable from as low as 2 mm)
- Up to 70 % less dead weight with at least the same performance in contrast to conventional magnets
- Easy activation with minimal effort due to the ergonomic activation lever
- Innovative operational concept allowing for an enlarged operating range
- 360° rotatable and 180° pivotable load swivel
- Wear-resistant magnetic contact area made of hardened steel with TiN-coating preventing damages and guaranteeing a long lifetime

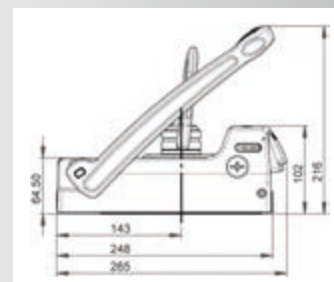
Technical data TML 500:

- Dead weight: 7.3 kg
- Breakaway force: 1500 kg
- Max. load-bearing capacity: 500 kg (with 3:1 safety factor)
- Max. load-bearing capacity during vertical lifts (90° inclination of the load): 150 kg (from 15 mm on S235 with 3:1 safety factor)
- Length: 295 mm (closed lever), width: 118 mm, height: 216 mm (opened lever)
- Magnetic contact area: length: 185 mm, width: 88 mm



Competitors:

- A: 600 kg Permanent magnet; 22 kg Dead weight
- B: 600 kg Permanent magnet; 24 kg Dead weight
- C: 500 kg Permanent magnet; 20 kg Dead weight
- D: 500 kg Permanent magnet; 8 kg Dead weight



Prod.-No.

ALFRA TML 500

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