

MAGNETIC
SYSTEMS

PATENTED

US Patent No.
8350663B1

TML250

ALFRED RAITH GMBH

- 1 Only 3.5 kg dead weight
- 2 Max. load-bearing capacity: 250 kg (with 3:1 safety factor)
- 3 360° rotatable and 180° pivotable load swivel
- 4 One-handed operation ('inside' steel beam possible)

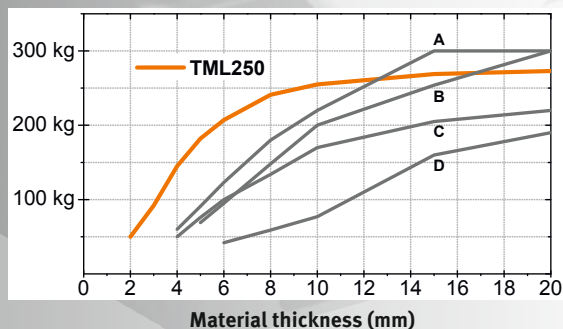


US Patent No. 8,350,663B1

- Up to 250 kg load-bearing capacity from a material thickness of 10 mm and 90 kg from just 3 mm material thickness on steel S235 plus 3:1 safety factor (i.e. the force that leads to the breakaway of the metal sheet must represent triple the maximum holding force)
- Outstanding performance on thin-walled materials
- 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

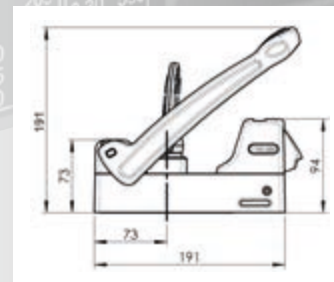
Technical data TML 250:

- Dead weight: 3.5 kg
- Breakaway force: 750 kg
- Max. load-bearing capacity: 250 kg (with 3:1 safety factor)
- Length: 240 mm (closed lever), width: 91 mm, height: 191 mm (opened lever)
- Magnetic contact area: length: 135 mm, width: 65 mm



Competitors:

- A: 300 kg Permanent magnet; 9 kg Dead weight
- B: 300 kg Permanent magnet; 11 kg Dead weight
- C: 250 kg Permanent magnet; 10 kg Dead weight
- D: 250 kg Permanent magnet; 10 kg Dead weight



Prod.-No.

ALFRA TML 250

41250