



TML 250 Lifting Permanent Magnet with Swivel

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)



Main Applications

- Building construction
- Bridge construction
- Crane
- H-Beam steel

Advantageous

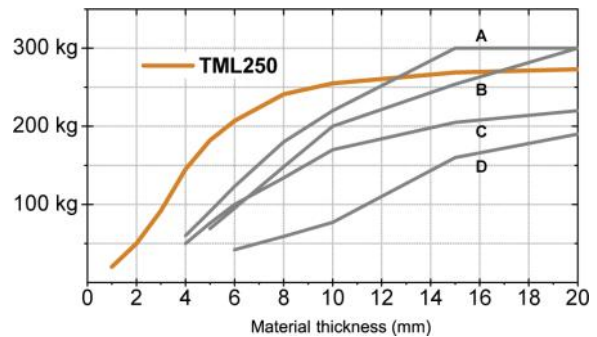
- Up to 250 kg load bearing capacity from a material thickness of 10 mm and 90 kg from just 3mm material thickness on steel S235 plus 3:1 safety factor (i.e. the force that leads to the breakaway of the metal sheet must represent triple the maximum holding force)
- Outstanding performance on thin walled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

Specifications

Lifting force	750 kg
Max. load capacity (Horizontal)	250 kg (*Safety Factor 3)
Magnetic contact surface	135 x 65 mm
Storage temperature	-30°C to +60°C
Operating temperature	-10°C to +60°C
Dimensions (L x W x H)	240 x 91 x 191 mm
Weight	3.5 Kg

Material	Magnetic force (%)
Non-alloyed steel (0.1 - 0.3% C content)	100
Non-alloyed steel (0.3 - 0.5% C content)	90 - 95
Cast steel	90
Grey cast iron	45
Nickel	11
Stainless steel, aluminum, brass	0



Competitors :

- A : 300 kg Permanent Lifting Magnet ; 9 kg Device Weight
- B : 300 kg Permanent Lifting Magnet ; 11 kg Device Weight
- C : 250 kg Permanent Lifting Magnet ; 10 kg Device Weight
- D : 250 kg Permanent Lifting Magnet ; 10 kg Device Weight

Material Thickness (mm)	Load Capacity in kg					
	Clean, flat, ground surface Air gap <0.1 mm		Rusty, slightly, scratched surface Air gap = 0.25 mm		Irregular, rusty or rough surface Air gap = 0.5 mm	
	0°	6°	0°	6°	0°	6°
2	50	45	40	35	32	30
3	90	80	80	70	65	60
4	145	130	110	100	90	80
5	180	165	135	125	100	90
6	205	185	155	140	105	95
8	240	220	165	150	110	100
10	250	230	180	165	110	100
15	250	230	180	165	115	105
>20	250	230	180	165	115	105

Item Code	Item Name	MoQ
109.12.001	TML 250 - Lifting Permanent Lifting Magnet with Swivel	1 Pc