

TML 100

Lifting Permanent Magnet with Swivel



1. Only 1.7 kg dead weight
2. Max. load-bearing capacity : 100 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

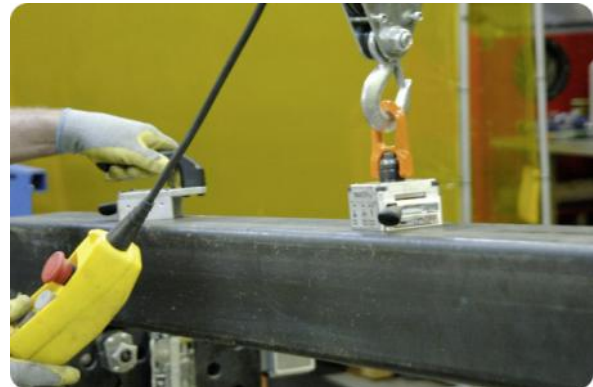
- Max. load bearing capacity of 50 kg with 3 mm material thickness and 100 kg load bearing capacity from just 6 mm (plus triple safety factor)
- Outstanding performance on thin walled materials (operable from just 1 mm)

- 360° rotatable and 180° pivotable load swivel even under full load
- Wear resistant magnetic contact area made of hardened steel with TiN coating preventing damages and guaranteeing a long lifetime

Specifications

Lifting force	300 kg
Max. load capacity (horizontal)	100 kg (*Safety Factor 3)
Lifting capacity at 6° inclination	90 kg (*Safety Factor 3)
Vertical lifting capacity (Vertical)	30 kg at 90° (*Safety Factor 3)
Magnetic contact surface	80 x 82.5 mm
Storage temperature	-30°C to +60°C
Operating temperature	-30°C to +60°C
Dimensions (L x W x H)	146 x 124 x 147 mm
Weight	1.7 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



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	30	27	25	22.5	22	19
3	50	45	40	36	35	31
4	80	72	60	54	45	40
5	95	85	70	63	50	45
6	100	90	70	63	50	45
>6	100	90	70	63	50	45

Item Code	Item Name	MoQ
109.12.003	TML 100 - Lifting Permanent Lifting Magnet with Swivel	1 Pc