

Maintenance supports for a temporary protected space in the pit



Maintenance support

The folding maintenance support is ideal for creating a temporary protected space in the pit. During normal operation the support lies on the floor. With a height of only 14cm it can be mounted in very small pits. When entering the pit for maintenance or other works, the support has to be folded up. The support automatically locks into place when it reaches a vertical position. To fold it again, the locking bolt has to be released. Both positions of the maintenance support are monitored by a safety switch with forced disconnection. The length of the support can be adjusted. Optionally a lift buffer can be mounted.

Extract from EN81-1 (-2)

5.7.3.3 (5.7.2.3)

When the car rests on its fully compressed buffers, the following three conditions shall be satisfied at the same time:

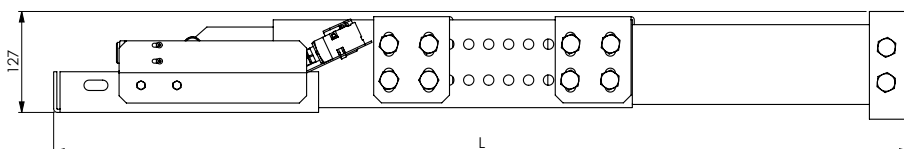
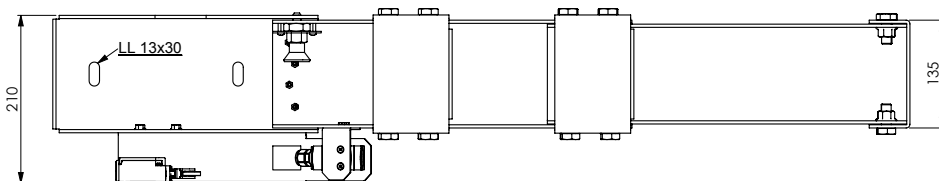
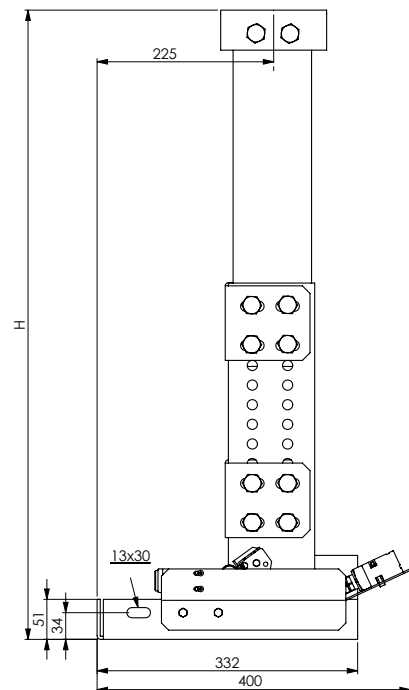
- a) there shall be in the pit sufficient space to accommodate a rectangular block not less than 0.50 m × 0.60 m × 1.00 m resting on one of its faces.

[...]

Size	Height H vertical	Length L horizontal
1	580 - 800mm	860 - 1080mm
2	780 - 1000mm	1060 - 1280mm

Maximum statical load: 2500kg (per support)
 Maximum velocity: 1m/s

According to EN81-21 5.7.2.1 the maintenance support has to be equipped with a buffer (page 51)





Example: Fixation of the maintenance support at the piston support

Folding maintenance support

No.art.	Description
78466	Folding maintenance support 58-80cm
78467	Folding maintenance support 78-100cm



Scope of delivery:

- 1 pc. Floor plate, pre-mounted with U-profile part 1 and locking device
- 1 pc. Switch plate pre-mounted with switches
- 1 pc. Actuator plate
- 1 pc. U-profile part 2
- 1 pc. Buffer plate
- 2 pcs. Reinforcement angles
- 1 pc. Bag with small parts
- 1 pc. Detailed mounting instruction

Electrical data for the switch:

Safety disconnecter IP67:

for monitoring the horizontal state of the maintenance support

Rated operational current: AC-15 4A for 230V
DC-13 4A for 24V

Contact: 1NC / 1NO

with insulation displacement terminations for a quick connection (cable not contained in the delivery)

Position switch IP67 with positive opening operation:

for monitoring the vertical state of the maintenance support

Rated operational current: AC-15 4A for 230V
DC-13 1A for 24V

Contact: 1NC / 1NO

with screw terminals for a quick connection (cable not contained in the delivery)