

Product datasheet

Mechanical eco leveller**Type: PECO2****Load capacity: 60 kN****Contact:**Ronnenberger Straße 20
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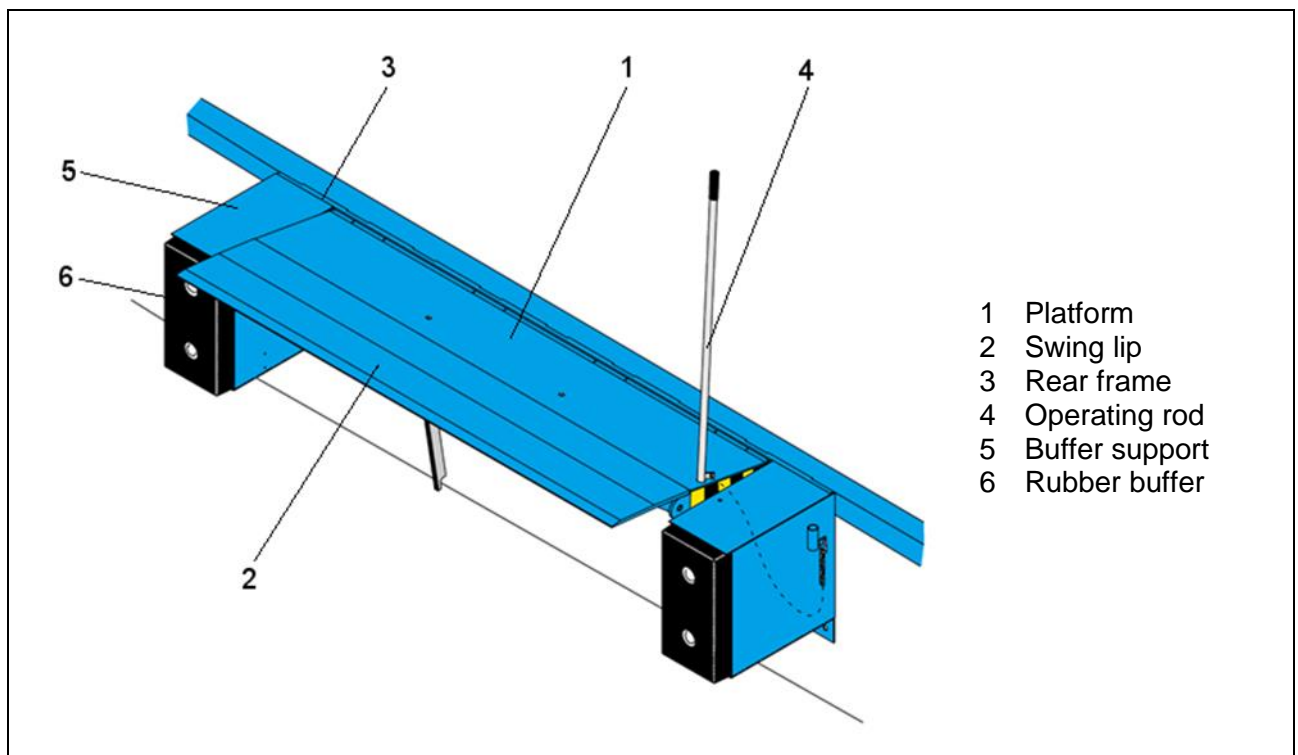
General information

The PECO2 mechanical eco leveller (PROMStahl ECONOMICAL) belongs to PROMStahl's wide product range and is especially suited for loading and unloading vehicles with beds the height of which only slightly differs from that of the dock. The PECO2 leveller is therefore the perfect solution for fleets with vehicles of nearly identical lorry bed heights.

Fast installation and the possibility to integrate it into already existing loading situations are among the big advantages of this leveller. The PECO2 leveller is mechanically operated by means of a gas spring so that it can be handled by just one person without any problems: the platform is lifted with the swing lip automatically swinging out in its uppermost position and coming to rest on the lorry bed.

During the loading and unloading process the PECO2 leveller is in its automatic floating position, i.e. it follows the height fluctuations of the vehicle within the specified level equalization values. The PECO2 leveller meets the requirements of the latest European standard (DIN EN 1398).

Overview

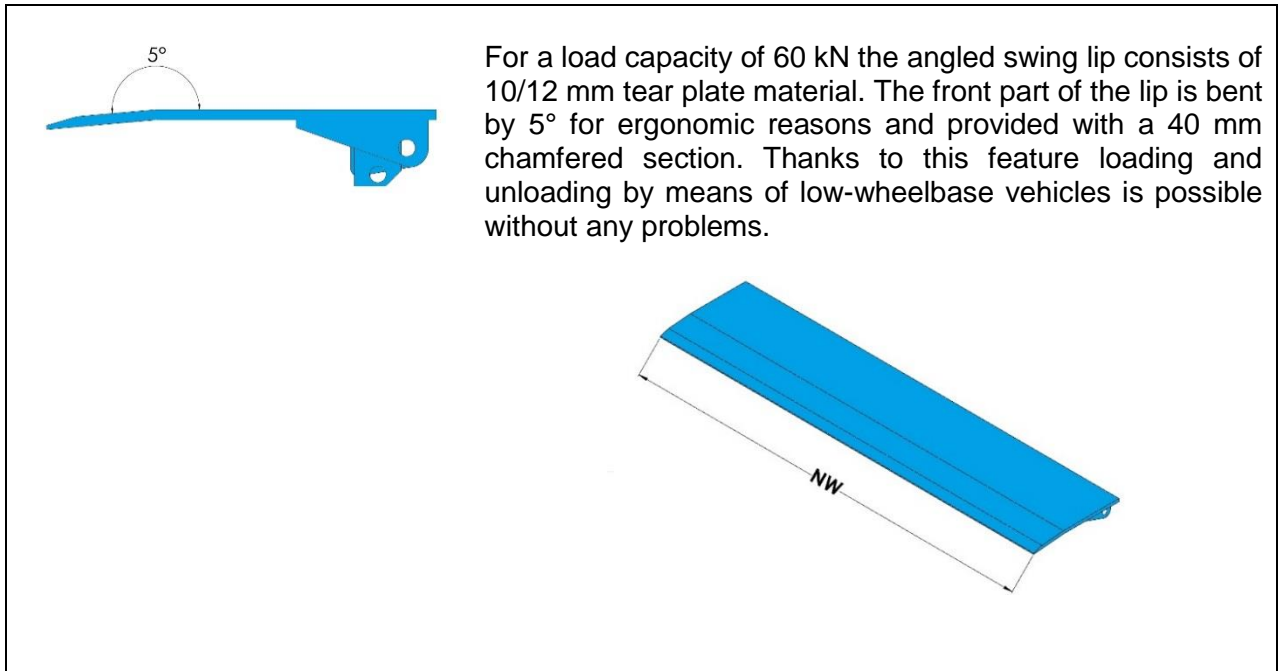


Platform

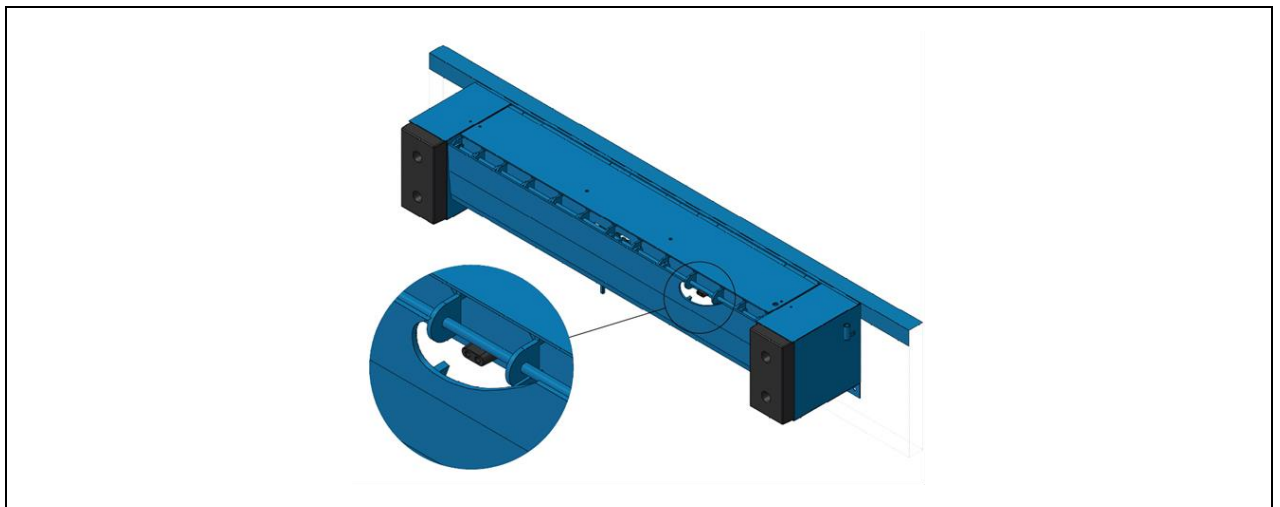
Tear-plate thickness

The platform is made of high-quality tear plate material and supplied with a thickness of 6/8 mm. It is strengthened by means of special reinforcements guaranteeing optimal stability as well as a sufficient transverse torsion strength of up to 10% of the platform's width.

Swing lip



Noise reduction buffers



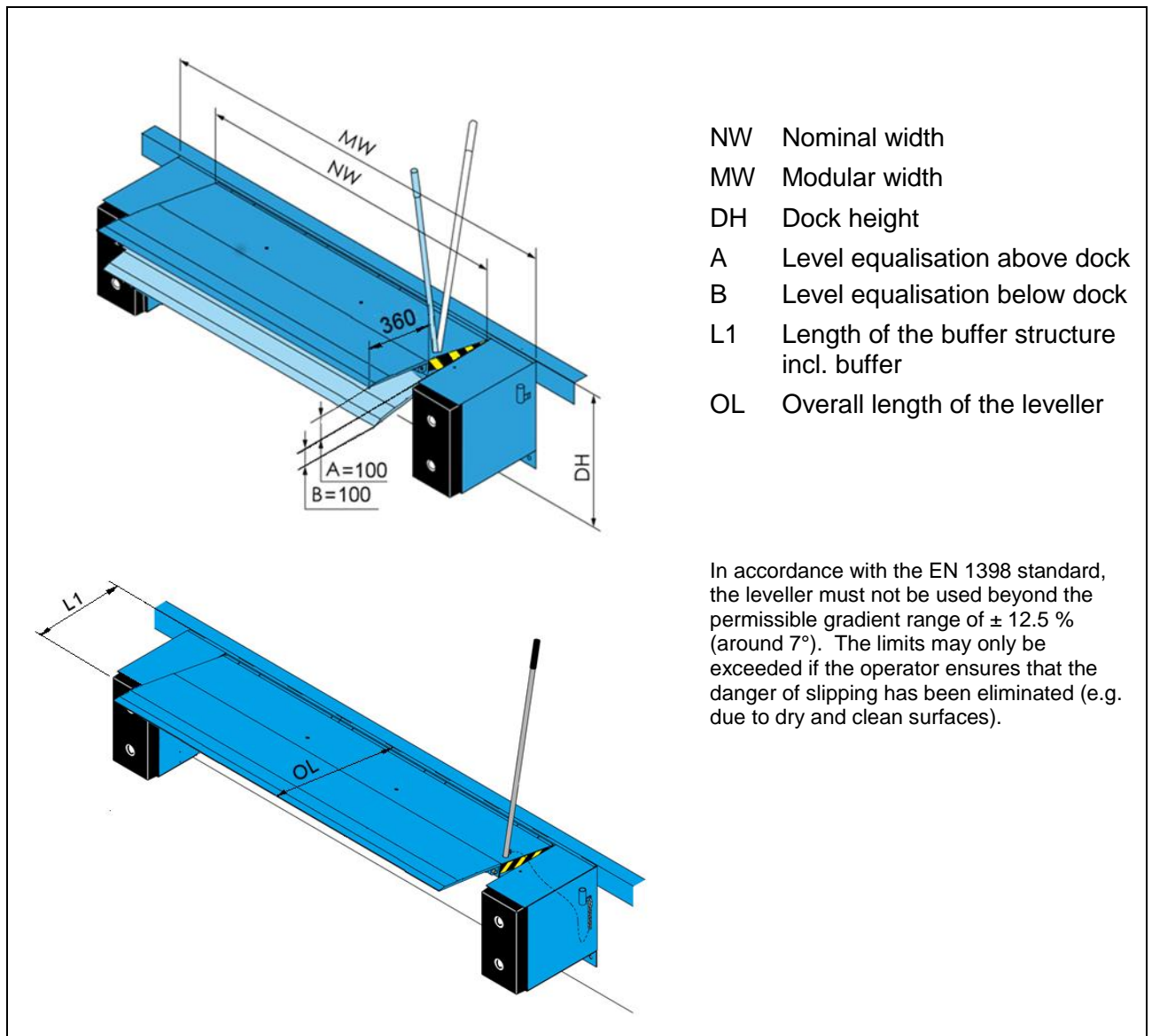
The PECO2 leveller is equipped with noise reduction buffers to guarantee a quiet operation.

Surface treatment

Painting

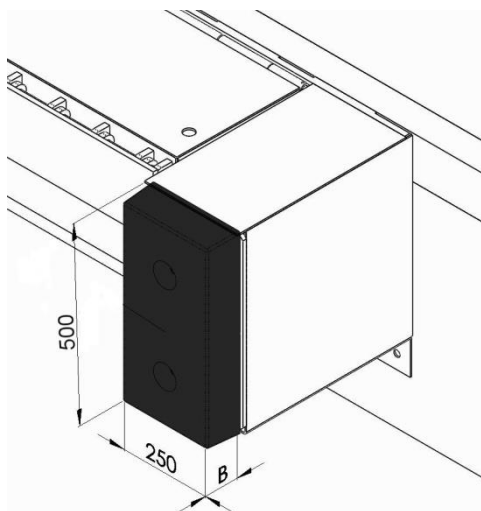
Standard RAL colours are RAL 5010, RAL 7016 and RAL 9005 in a layer thickness of 80 µm (corrosion protection class C2-M). Further RAL colours and layer thicknesses of up to 160 µm (corrosion protection class C3-H) are available as an option. To increase corrosion protection, the dock leveller can also be delivered with hot-dip galvanized steel parts.

PECO2 type R



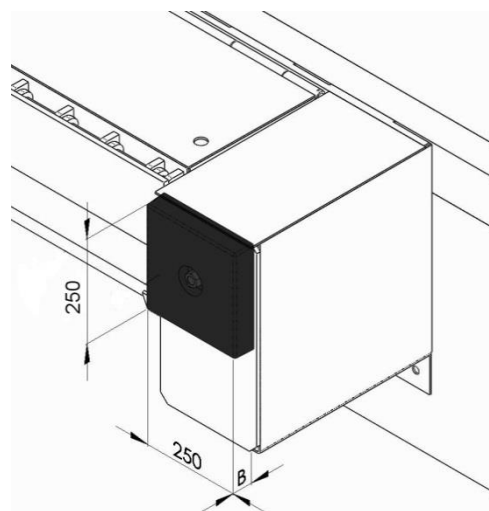
	Type "R"		
Overall length of the leveller with the hinge lip swung out (OL in mm)	760		
Lip length [mm]	360		
L1 (length of the buffer structure + buffer thickness; in mm)	565 (PBGP 500 x 250 x 90) 565 (PEHD 500 x 250 x 50)		
Nominal width (NW) [mm]	1750	2000	2250
Modular width (MW) [mm]	2300	2550	2800
Load capacity [kN]	60		

Buffer options for the PECO2 mini-dock type R



Options:

- Rubber buffer: PBGP 500x250xB (90)
- Polyethylene buffer: PEHD 500x250xB (50), Colour white

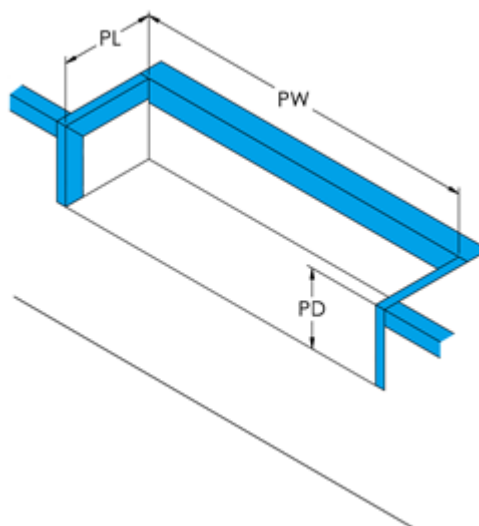
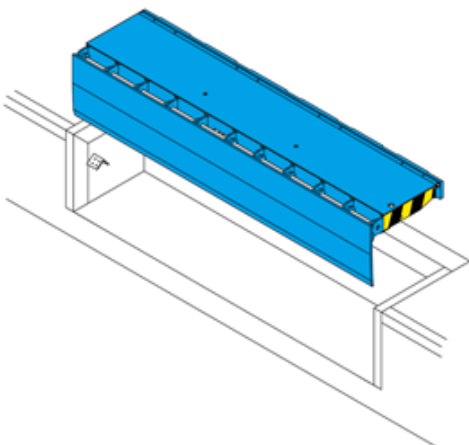


Options:

- Rubber buffer: PBGP 250x250xB (90)
- Polyethylene buffer: PEHD 250x250xB (50), Colour white

All dimensions in mm.

PECO2 type P

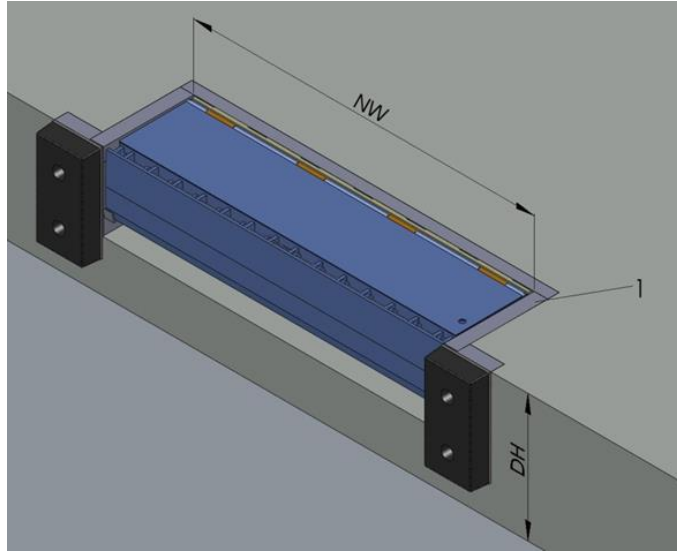


Pit drawing EPP.00

PL
PW

Pit length
Pit width

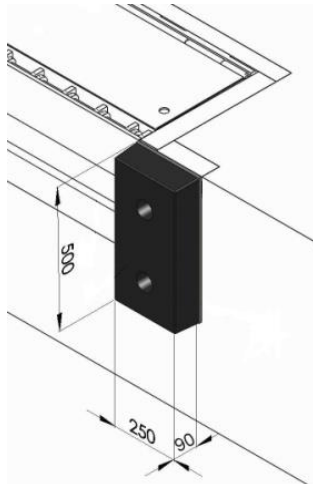
PD Pit depth



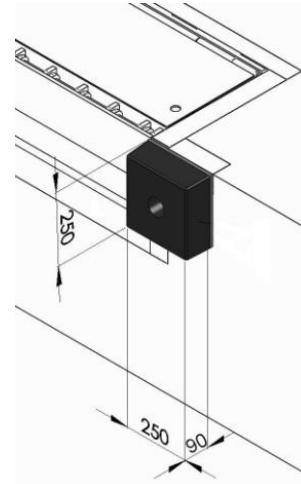
- 1 Installation frame (by others)
- NW Nominal width of the leveller
- DH Dock height

In accordance with the EN 1398 standard, the leveller must not be used beyond the permissible gradient range of $\pm 12.5\%$ (around 7°). The limits may only be exceeded if the operator ensures that the danger of slipping has been eliminated (e.g. due to dry and clean surfaces).

Buffer options for PECO2 type P



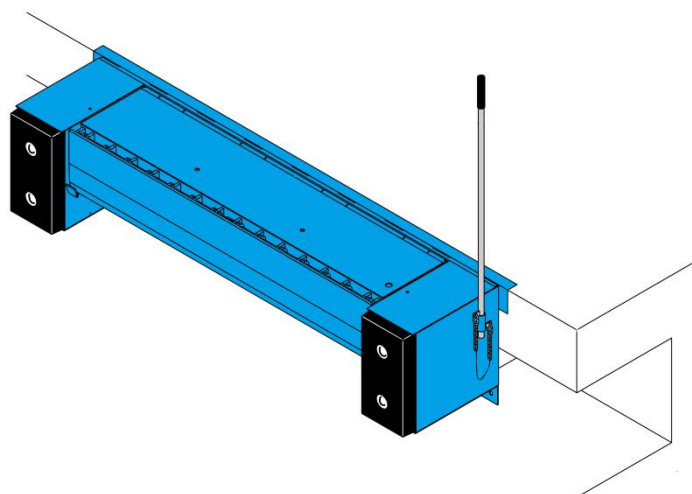
Rubber buffer including hot-dip galvanized plate (PGF 90 01): 500x250x90



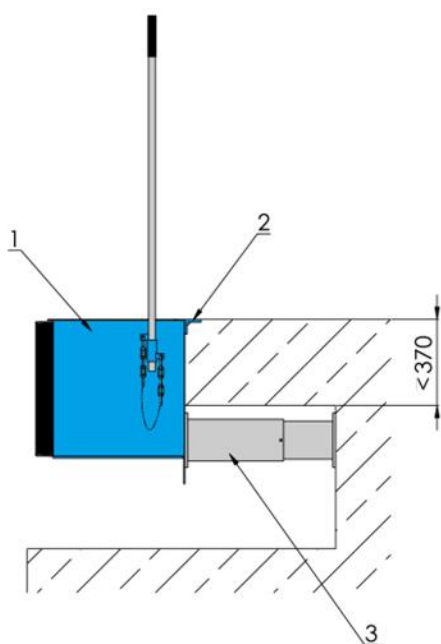
Rubber buffer including hot-dip galvanized plate (PGF 90 02): 250x250x90

All dimensions in mm.

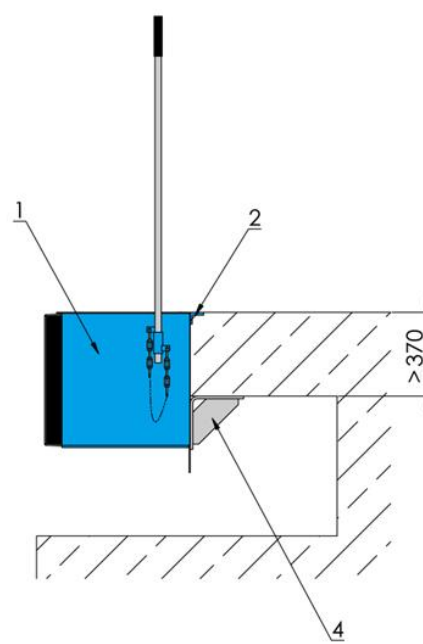
PECO2 type R with additional support



Pit drawing EPS.00

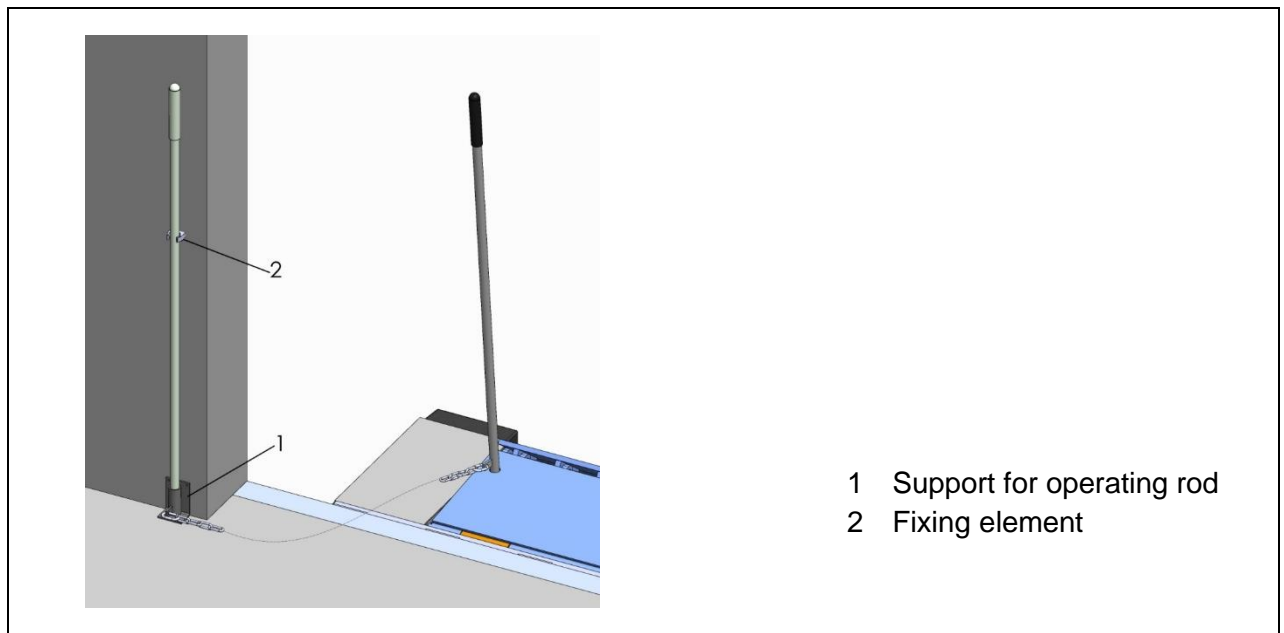


- 1 PECO2 mini-dock
- 2 Installation frame (by others)
- 3 Telescopic elements (2 pieces)

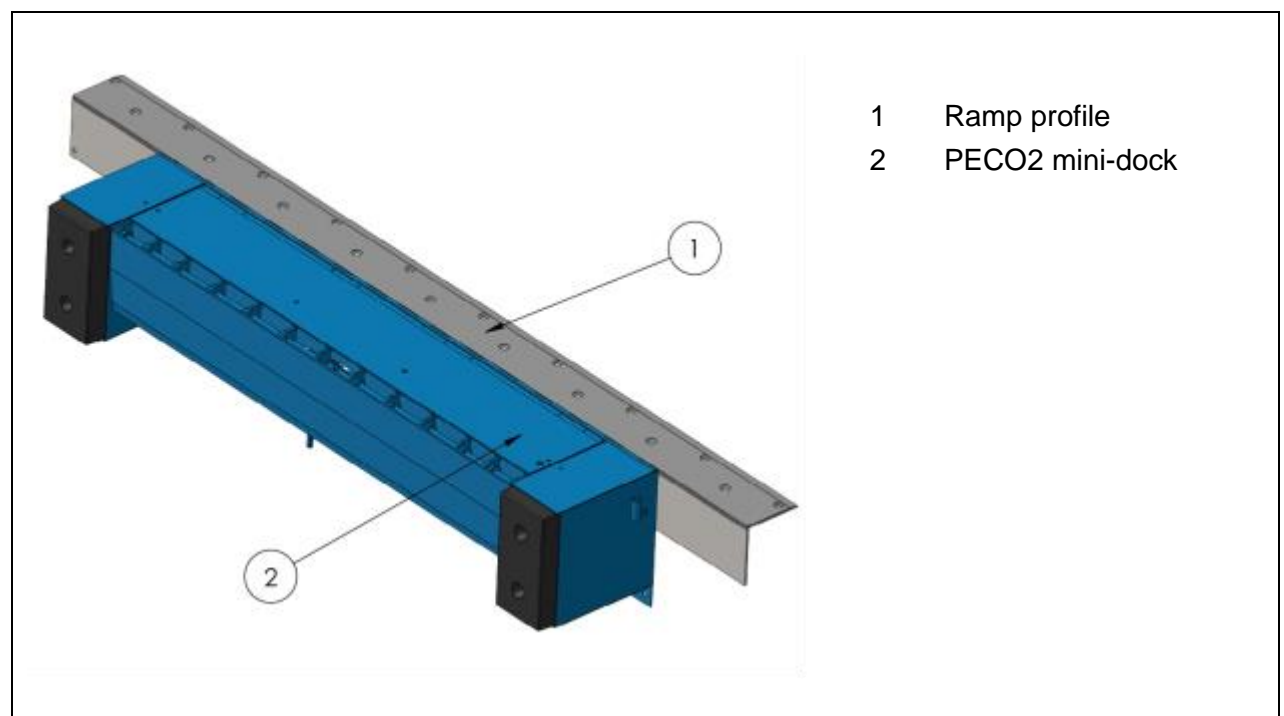


- 1 PECO2 mini-dock
- 2 Installation frame (by others)
- 4 Consoles (2 pieces)

Accessories



Additional ramp profile



If the ramp edge does not have a sufficient capacity or if it has not been prepared in the right way, it is necessary to mount an additional ramp profile.