

Mini dock leveller 105NG



The mini dock leveller 105NG 60kN is a manually operated dock leveller with extendable lip.

Characteristics

The mini dock leveller is the alternative for traditional pit box systems and ideal to quickly and easily bridge small differences in height in a cost-effective manner. The mini dock leveller is available in two different models, being a pit model (105NG-0XX) and a ramp model (105NG-2XX). This allows easy integration in new buildings as well as in existing buildings. The ramp model includes bumpers as a standard. Both models are suited for a maximum load of 60 kN.

Operation

The mini dock leveller 105NG can be operated by positioning the operating lever on the top platform and to subsequently move the lever towards the operator. This will lift the platform. As soon as the top platform has reached the vertical position, the lip's ejection mechanism will automatically lock. By pushing the operation lever forwards, the platform will descend. During the lowering process, the lip will be extended and the mini dock leveller can be positioned into the vehicle. During loading and unloading, each upward and downward (suspension) movement of the vehicle will automatically be followed. As soon as the loading / unloading has been completed, the operation lever must be returned to the backward position, allowing the mini dock leveller to return to its rest position.

Materials

Platform and lid are made from high-quality tear plate 12/14, S235JR. The mini dock leveller lip is attached by means of two axles (Ø 25 mm), made from bright, drawn and galvanised steel at the mini dock leveller top platform. These axles represent the core of the selfcleaning, open hinged construction of the lip, which hinges over the full mini dock leveller width. The platform's rear side is attached to the rear rack by means of three hinges with heavy bolts M20.

The hinges also support the platform for a good connection between platform and pit frame.

Dimensions

The mini dock leveller 105NG is dimensioned in accordance with the details specified in the table below:

Type	L0	L1	L2	B	BH	O ±	U ±
105NG-012	375	700	350	1250	384	100	100
105NG-017	375	700	350	1750	384	100	100
105NG-020	375	700	350	2000	384	100	100
105NG-022	375	700	350	2250	384	100	100
105NG-212	375	700	350	1250	384	100	100
105NG-217	375	700	350	1750	384	100	100
105NG-220	375	700	350	2000	384	100	100
105NG-222	375	700	350	2250	384	100	100

BH = Building height

O = Effective working range above platform

U = Effective working range below platform

When 100 mm buffers are used, the lip (length 350 mm) has a free lip location length of 250 mm on the vehicle bed. The effective work range is measured from the front side of the buffers, while observing the lip's turning circle.

Standard safety provisions

- Non-retractable fixed toe guards
- Sturdy, lip supports – extra wide – for transverse traffic
- Black / yellow markings
- Fixed maintenance strut, also functioning as operation lever

Standards

The mini dock leveller 105NG has the CE-marking. The Loading Systems dock levellers are in compliance with all safety aspects stipulated in the European Directive EN 1398.

Technical Specifications

StandardsCE-marking
 Loading capacity (EN 1398) 60 kN
 Building height384 mm
 Lip length350 mm
 Operating temperature-30° till +50° Celsius
 Standard colourRAL 9005 (black)

Options

- Primer
- Other RAL colour
- Tapered lip on both sides
- Hot dip galvanised version

