

TELESCOPIC LIP LEVELLERS

RITE·HITE®

Loading dock systems with technology...



Dock Levellers with telescopic lip

Models

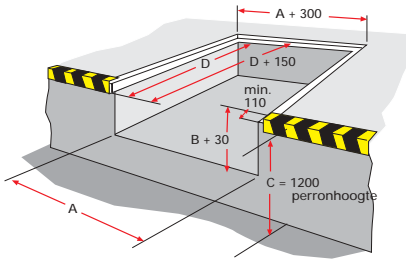
9000 (500 mm telescopic lip)

9100 (500 mm telescopic lip with parallel guided platform)

9500 (1000 mm telescopic lip)

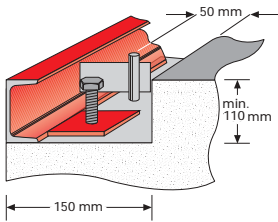


Pit details



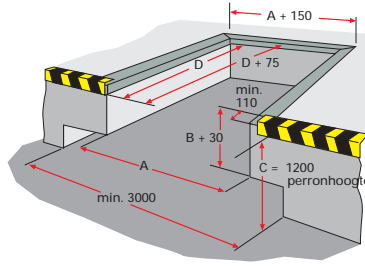
Option 1

Hang in frame for open and closed pit construction, see detail "A".



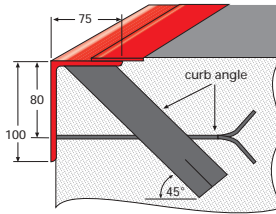
Detail "A"

Adjustment bolt for adjustment of the level between leveller and floor during installation. Groove spacing (15 x 10 cm) with mounting pins in concrete.



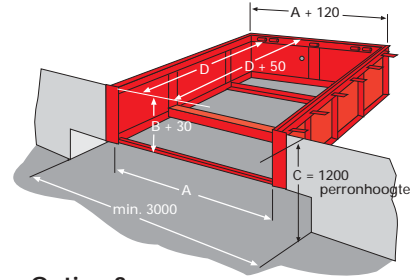
Option 2

Curb angle for easy installation of levellers in closed pits and open pit constructions with additional recessed space for tail lifts, see detail "B".



Detail "B"

Curb angle pit construction (100 x 75 x 7 mm). Leveller frame is welded on the curb angle.

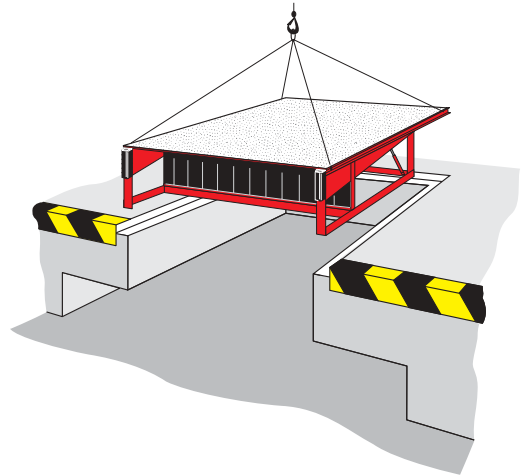


Option 3

Pour in pan construction. Levellers can be installed after concrete has been poured.

Other leveller frame models available on request

The leveller will be delivered fully assembled, placed in the pit with a crane and welded in place.



D = Nominal length (mm)	Nominal width (mm)					B = Pit depth (mm)		
	1500	1750	2000	2250	2400	CHVB-S	CHKB-S	CMKB-S
	A = Pit width (mm)							
2000						720	620	620
2500						720	620	620
3000	1560	1810	2060	2310	2460	820	700	700
3500						900	700	-
4000						900	700	-
4500						900	700	-

CHKB-S = Hydraulic Hinged lip leveller
 CMKB-S = Mechanical Hinged lip leveller
 CHVB-S = Hydraulic Telescopic leveller



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RITE-HITE

Telescopic Lip Leveller CHVB-S 9000 with 500 mm telescopic lip

Telescopic Lip Leveller CHVB-S 9100 with 500 mm telescopic lip and parallel guided platform

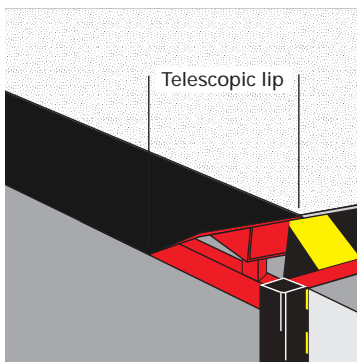
Telescopic Lip Leveller CHVB-S 9500 with 1000 mm telescopic lip



Example of a project including Model 9000 telescopic lip levellers, Model 5000 dock shelters and Model 6000 sectional doors

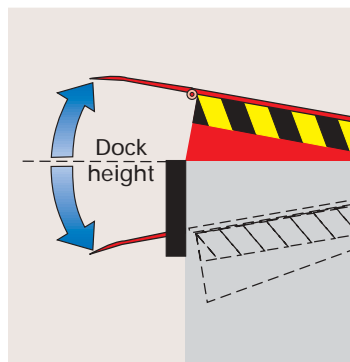
Technical description CHVB-S 9000

The anti-slip deck plate of the Rite-Hite telescopic lip leveller consists of an 8 mm diamond tread plate. The construction is reinforced with welded beams under the deck to enlarge the inertia forces and impact loads. The European standard EN 1398 is used for the calculation of the capacity and factors in the maximum point load scenario. The deck plate is easily interchangeable should requirements change.



Telescopic lip leveller CHVB-S 9000
Telescopic lip max. 500 mm
Telescopic lip leveller CHVB-S 9500
Telescopic lip max. 1000 mm

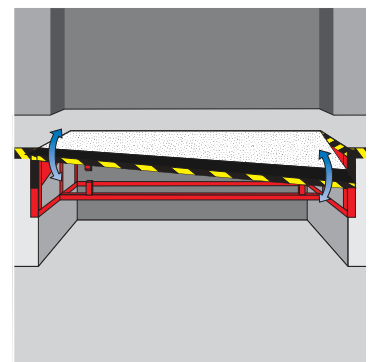
The telescopic lip system is equipped with four maintenance-free ball bearings. The special ball bearing guiding system reduces friction of steel on steel and provides a quiet operation. The leveller frame construction consists of 3 U-profiles, front beam with support legs. The leveller frame can be delivered, installed and poured in concrete independent of the platform.



Operating range above and below dock height

After finalization of the site the platform can be installed in the pre installed frame. Due to the shallow depth of the leveller and the self carrying structure of the frame, servicing tail gates is possible.

Welding is executed by certified welders under supervision of welding engineers. Permanent quality control ensures the constant quality of the Rite-Hite products.



The platform is designed to compensate for canted truck beds and remains flush with the rear of the pit to eliminate pinch points.

CHVB-S 9000 Control Box

The micro processor controls can be adjusted based on customer requirements to include options such as interconnects between the dock leveller and the sectional door or integrated sectional door controls.

Standard controls are:

- Automatic return in resting position
- Reset lock after emergency stop
- Locking at power failure
- Enclosure protection IP 54 acc. to Din 40050



Example control box

CHVB-S 9000 Hydraulics

The platform is raised by two lifting cylinders. Both lift cylinders incorporate built in velocity fuses to ensure emergency stop capability. The telescopic lip is activated by a double acting cylinder to help provide full telescopic range. Biodegradable hydraulic oil can be used.

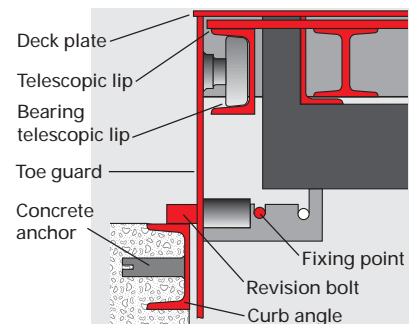


Working range – 30° till + 80°C

CHKB-S 9000 Safety Features

- Emergency stop system throughout the full working range
- Extremely stable in case of emergencies
- Dual lifting cylinders are provided with a free fall protection in cases of early departure with a load on the platform
- Full range toe guards (8 mm) with painted yellow/black stripes
- Revision bolts

The whole leveller package is in accordance with the European standard EN 1398. All operators controls are mounted in a gasketed enclosure and comply with the harmonized standards (EN-60204-1). All electrical components, connections and wiring are CE listed or recognized.



Available Configurations

Leveller surface finish:

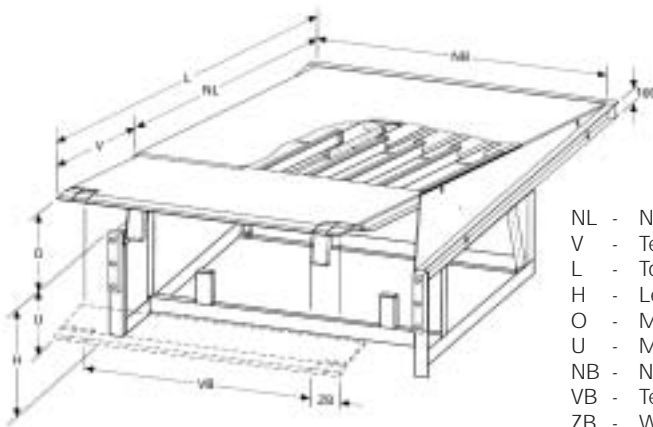
Standard Paint: Red RAL 3000, Blue RAL 5010
Optional: other RAL colours on request
Galvanized steel finish

Surface platform:

Standard: diamond tread plate
Optional: abrasive ramp/noise reduction surface/insulated deck

Capacity:

Standard 60kN,
optional 80 kN and 100 kN
Other capacities are available on request



- NL - Nominal length
- V - Telescopic lip length
- L - Total length
- H - Leveller height
- O - Max. above dock position
- U - Max. below dock position
- NB - Nominal width
- VB - Telescopic lip width
- ZB - Width of the lip segments

Remark Dock levellers in inch dimensions are available on request!

CHVB-S 9000						CHVB-S 9500					CHVB-S 9000/9500		
NL	L	H	V	O	U	L	H	V	O	U	NB*	VB	ZB
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
2000	2500	720	500	375	450	2950	720	950	405	450	1500	1468	-
2500	3000	720	500	420	450	3500	720	1000	485	450	1750	1718	-
3000	3500	820	500	485	450	4000	820	1000	555	450	2000	1968	-
3500	4000	900	500	555	450	4500	900	1000	625	450	2250	1968	125
4000	4500	900	500	610	400	5000	900	1000	650	400	2400	1968	2 x 100
4500	5000	900	500	670	400	5500	900	1000	750	400			

* For all platform lengths

Sizes Telescopic Lip Levellers CHVB-S 9000/9500

		NL (mm)					
		2000	2500	3000	3500	4000	4500
NB (mm)	1500	Sz. 11	Sz. 12	Sz. 13	Sz. 14	Sz. 15	Sz. 16
	1750	Sz. 21	Sz. 22	Sz. 23	Sz. 24	Sz. 25	Sz. 26
	2000	Sz. 31	Sz. 32	Sz. 33	Sz. 34	Sz. 35	Sz. 36
	2250	Sz. 41	Sz. 42	Sz. 43	Sz. 44	Sz. 45	Sz. 46
	2400	Sz. 51	Sz. 52	Sz. 53	Sz. 54	Sz. 55	Sz. 56

How to order, example:

Telescopic lip leveller with 1000 mm telescopic lip
Leveller size: 2000 x 3000 mm

Artikel-Nr.
9500.33
Model Size

How to order, example:

Telescopic lip leveller with 500 mm telescopic lip
Leveller size: 2000 x 3000 mm

Artikel-Nr.
9000.33
Model Size

For telescopic lip levellers model 9100 with parallel guided platform please request separate brochure.