

DATA SHEET

Main properties



Hinged lip



Low transport volume



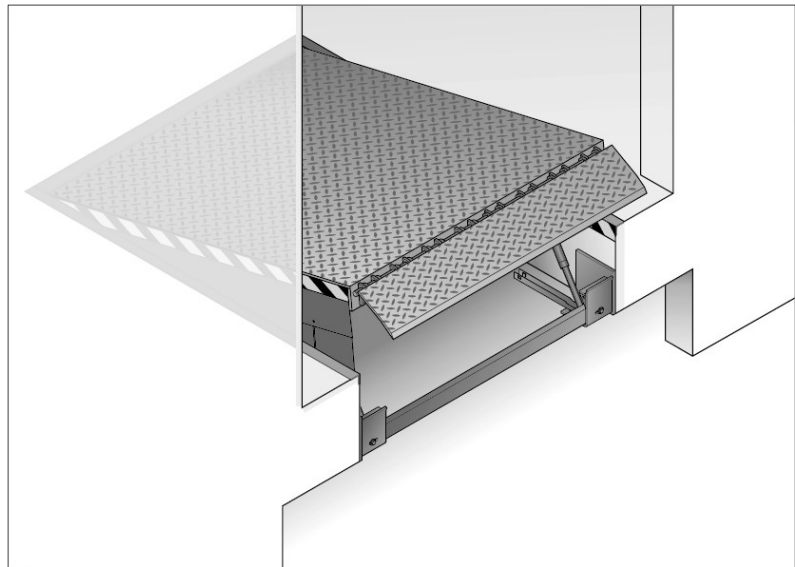
Rated load 60 kN acc. to EN 1398



Ordering lengths up to 3000 mm

Dock leveller HLS

Hydraulic dock leveller with hinged lip. Self-supporting steel articulated design in accordance with EN 1398.



Dimensions (mm)

Ordering width	2000, 2100, 2250			
Ordering length	2000	2500	2750	3000
Installation height	650	650	650	650

Work area (mm)

Permissible values up to 12.5% gradient / slope acc. to EN 1398.
The maximum height adjustment may deviate.

A above level	235	300	330	360
B below level	305	345	340	340

Construction		Standard / option ● / ○		
Design	Dock leveller with torsional flexibility, platform with reinforcement profiles at the bottom side, hinged lip with gradient, electrohydraulic system with 2 main cylinders and 1 lip cylinder, self-supporting steel frame, calculation according to the finite elements method			
Safety components acc. to EN 1398	Emergency stop valves, emergency stop switch, restart inhibition, maintenance support, foot guard plates, yellow / black safety markings			
Rated load acc. to EN 1398	60 kN			●
Note for forklifts with hard rollers	Restriction of total weight of industrial trucks with PU / Vulkollan rollers recommended to prevent lane grooves in the platform: With platform 6/8 mm for reach lift truck max. 3 t, for industrial truck max. 5 t, With platform 8/10 mm for reach lift truck max. 5 t, for industrial truck max. 6 t			
Platform material	Moulded, anti-slip steel (running plate S235)			●
Platform material thickness	6/8 mm			●
	8/10 mm			○
Lip material	Moulded, anti-slip steel (running plate S355)			●
Lip material thickness	12/14 mm			
Lip length	405 mm			●
Lip shape		Ordering width (mm)	≤ 2000	> 2000
Type R	Straight		●	○
Type S	100 mm chamfering on each side		○	●
Gap sealing	Sealing lip, all-round on 3 sides			○
Insulation	30 mm thick insulating layer under the platform			○
Surfaces		Standard / option ● / ○		
Coating	Steel surfaces sand-blasted, coated with 2-component PUR paint, 60 to 80 µm			●
	Steel surfaces sand-blasted, galvanized			○
Paint colour	Traffic black, based on RAL 9017			●
	RAL to choose, except for metallic and signal colours			○
Anti-slip coating	Running plate coated with polyurethane with injected Twaron fibres, approx. 1 – 2 mm thick on the platform and lip, anti-slip class R11 acc. to DIN 51130			○
Acoustic insulation	Running plate coated with polyurethane with injected Twaron fibres, approx. 3 – 4 mm thick on the platform and approx. 1 – 2 mm thick on the lip, anti-slip class R11 acc. to DIN 51130			○

Operator and control		Standard / option	● / ○
Hydraulics temperature range	Suitable for temperatures from -10 to +50°C under the dock leveller		●
	Suitable for temperatures from -25 to +50°C under the dock leveller		○
Motor power	0.75 kW		●
Connecting voltage	400 V / 3-phase		●
	230 V / 3-phase		○
	230 V / 1-phase		○
	Additional connecting voltages on request		○
Supply frequency	Either 50 or 60 Hz		●
Operator protection category	IP 54		●
Control protection category	IP 65 (jet-water protected)		●
Control elements	Membrane push buttons integrated in the housing for press-and-hold actuation and a "Return" button for automatic return to the loading position		●
Control type	420 S Basic control		●
	420 Si Combination control with integrated door operation		○
	560 S Multi-control with extended functions and connections		○

Control equipment		420 S	420 Si	560 S
Standby / error message display	LED operation indicator	●	●	
	4 × 7-segment display			●
Operation	Automatic impulse return	●	●	●
	Illuminated keyboard			●
	Integrated control button for dock shelter			●
	Integrated door operation		●	
	External control DTH-S, required when the dock leveller is not completely visible from the control housing	○	○	○
Prepared connections and functions	Wheel chock with sensor	●	●	●
	Dock leveller release function	●	●	●
	Door release function	○	○	●
	Door with automatic operator closing function			○
	Semi-operation			○
	Bluetooth receiver for BlueControl app			●
	HCP bus interface for SmartControl, for example			●
Bluetooth receiver for BlueControl app			●	
Energy efficiency	Energy saving mode	●	●	●

Fitting

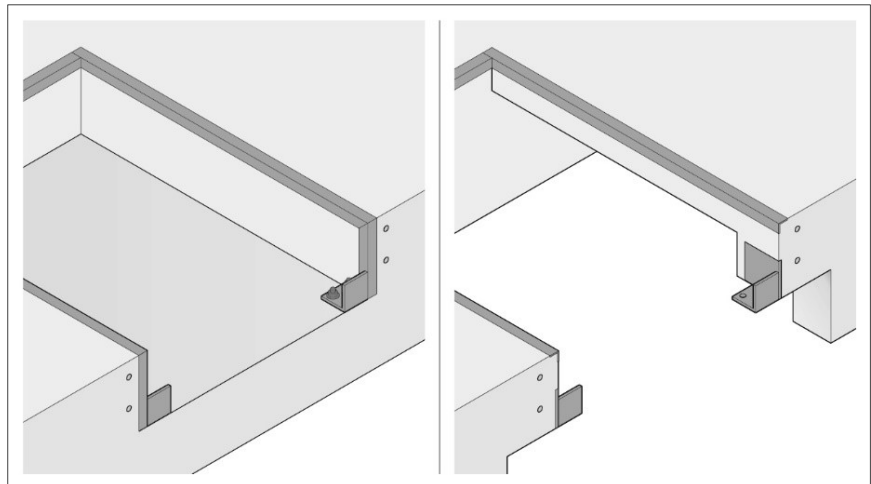
Fitting

Fitting by welding in a pit prepared according to manufacturer's specifications as standard, with cut-outs on reverse face for an exact welding seam, accessories for fitting by casting optionally available

Protective film

Platform optionally provided with protective film, as standard when equipped with anti-slip coating or acoustic insulation

Fitting situation HLS with support yoke for cylinder beam in pit without tailboard slot (left) and with tailboard slot (right)



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