

Lifting Jacks
Workshop Presses
Vehicle Lifts
Mobile Cranes



 **Made in Germany**



Vehicle Lifts

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Vehicle lifts type STARR EMHR - features

- Carrying capacity from 5 to 120 tons
- Road length up to 20 m
- Especially suitable for wash halls

Please note: higher carrying capacity or other road width and road length available on request



STARR E 5 MHR
as lift built-in flat



STARR E 20 MHR
as lift built-in flat



STARR E 20 MHR
as lift above floor level



STARR E 15 MHR
as lift built-in flat

Construction and functional description STARR E MHR

The electro-hydraulic vehicle lift STARR E MHR operates with our proven lever arm system. In this case both mounting tracks are moved upward by means of a hydraulic cylinder in conjunction with the lifting arms. Below each track, according to the type of hoist, 2 or 3 cylinders as well as 2 to 5 lifting arms are located in the base frame.

The lifting arms are interconnected with tie rods. To secure synchronised speed of both tracks they are connected with connection support on both ends. There are no disturbing parts between the tracks which could be in the way of the fitter when working below the raised vehicle. At one track security flaps are integrated, they raise automatically when lifting the vehicle to protect the vehicle from rolling off the vehicle lift.

The drive unit is consisting of a hydraulic pump built in an oil tank. The magnet valves to lift/lower as well as the pressure control valves are flange-mounted to the oil tank. These drive components are combined in a splash-proof case as control unit. The electric control is installed in a separate control box and attached to the case.

The vehicle lift is controlled by a push button, which is arranged in a separate key combination. By pressing the push-button UP respectively DOWN the respective movement will start. At vehicle lifts with a driving motor over 4 kW the motor will be switched on by means of a star - delta connection. Switch-off manually by means of a power button or automatically per time relay.

To avoid inadvertent dropping due to leakage in the line system a double check valve is attached to each hydraulic cylinder. These double check valves ensure a perfect safeguarding of the lifted load at every height of stroke.

To prevent crushing and shearing lowering of the vehicle lift will stop automatically before reaching the danger point. Further lowering of the lift is only possible after first letting go and then pushing of the push button DOWN. During the remaining way down of the vehicle lift an acoustic signal will sound.

All KIRSTEN vehicle lifts fulfil the requirements of the EU regulation 2006/42/EG and the EN 1493:2010 for vehicle lifts.

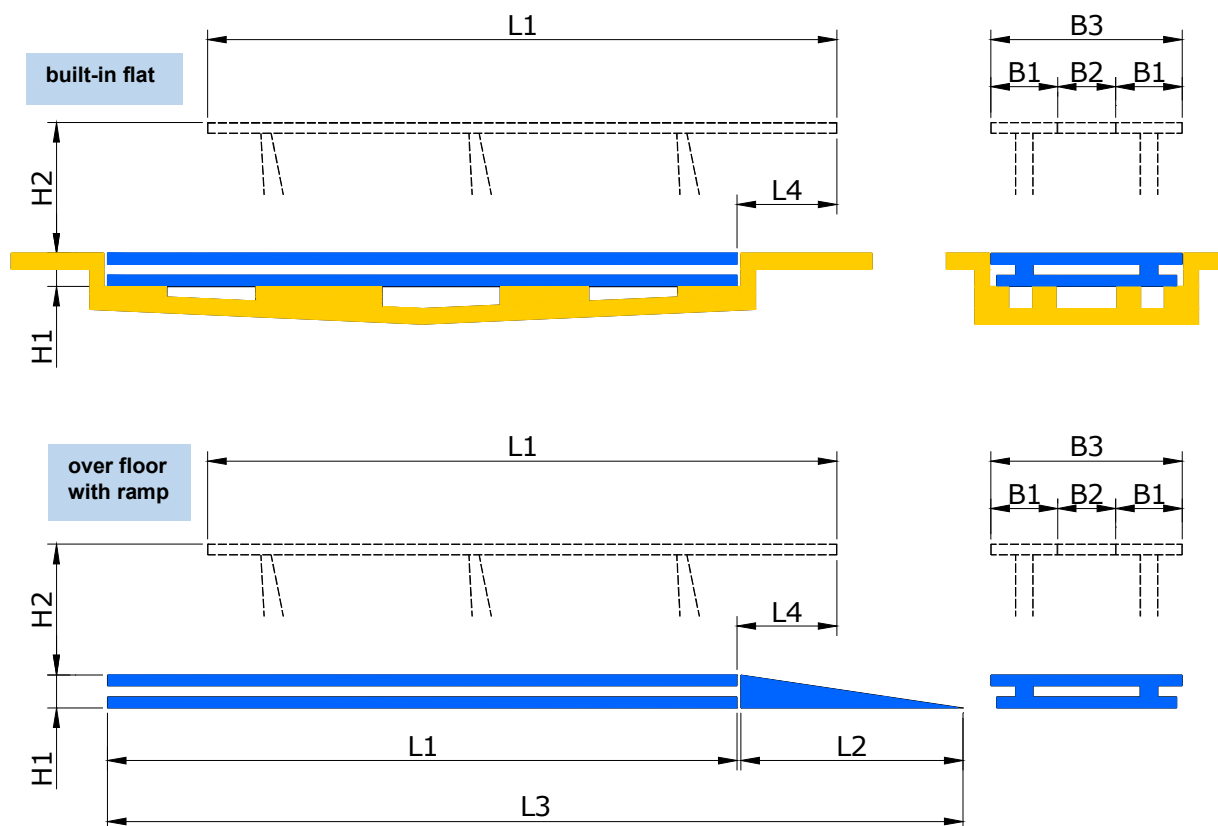
Transport – installation – assembly

The vehicle lift will be delivered by truck. Unloading of the truck and assembly will be done by one of our service employees. For this works an appropriate truck-mounted crane is required. The connection of the electric lines existing on site to the control case of the vehicle lift will be done by an electrically skilled person of the customer or by one of our electrician.

Guarantee

Upon conclusion of a maintenance contract, we offer full guarantee for 2 years as well as even a 5 years guarantee for the steel construction (basic frame / holding fixture / lifting arms / grating frame) against perforation corrosion in wet rooms.

Dimension sheet vehicle lift STARR E 5 to 35 MHR



type	STARR E 5 MHR	STARR E 8 MHR	STARR E 10 MHR	STARR E 15 MHR	STARR E 20 MHR	STARR E 30 MHR	STARR E 35 MHR
carrying capacity	5.000 kg	8.000 kg	10.000 kg	15.000 kg	20.000 kg	30.000 kg	35.000 kg
lifting speed	3,6 cm/s	2,0 cm/s	1,9 cm/s	2,7 cm/s	2,7 cm/s	1,6 cm/s	1,6 cm/s
lowering speed	3,8 cm/s	3,0 cm/s	3,3 cm/s	3,5 cm/s	3,5 cm/s	3,1 cm/s	3,1 cm/s
electricity supply 400 V rotating current	4 kW	4 kW	5,2 kW	11 kW	11 kW	11 kW	11 kW
L1	5.000 mm	6.500 mm	8.500 mm	8.500 mm	8.500 mm	10.000 mm	10.000 mm
L1				10.000 mm	10.000 mm	11.000 mm	11.000 mm
L1				15.000 mm	15.000 mm		
L2	2.000 mm	3.000 mm	3.000 mm	3.000 mm	3.000 mm	3.000 mm	3.000 mm
L3	7.000 mm	9.500 mm	11.500 mm	L1 + L2 mm	L1 + L2 mm	14.000 mm	14.000 mm
L4	940 mm	1.100 mm	1.350 mm	1.350 mm	1.350 mm	1.030 mm	1.030 mm
H1	300 mm	420 mm	420 mm	420 mm	420 mm	480 mm	480 mm
H2	1.600 mm	1.460 mm	1.640 mm	1.660 mm	1.660 mm	1.450 mm	1.450 mm
B1	700 mm	700 mm	795 mm	795 mm	795 mm	930 mm	930 mm
B2	1.000 mm	1.000 mm	985 mm	985 mm	985 mm	1.110 mm	1.110 mm
B3	2.400 mm	2.400 mm	2.575 mm	2.575 mm	2.575 mm	2.970 mm	2.970 mm

Dimensions for vehicle lifts with more carrying capacity on request.
For vehicle lifts built-in flat please ask for a foundation layout plan.
Subject to technical changes.