

x-levos LIFTING TABLE FOR MARRIAGE



» the new lifting table “x-levos”

Application

In the chassis assembly (marriage) drive and chassis components are fitted into the vehicle body by lifting the pallet on which the components have been pre-assembled. Dürr Assembly Products has developed a lifting table perfectly tailored to this task. By taking into account the new machinery directive and fulfilling the DIN EN 1570-1 standard for lifting tables as well as benefitting from a long-standing experience regarding marriage projects resulted a lifting table designed for marriage and decoupling

processes with a rated load of 6,000 kg. An electromechanical belt drive unit was chosen in accord with many OEM specifications. During the development phase a prototype was built and a test was conducted in order to validate the function of the lifting unit. Failure scenarios were simulated on the prototype and repair and maintenance tasks were tested. From this practical experience a complete operation manual and detailed training material has been developed.

x-levos

Safety

- » Complying to lifting table standard specifications - DIN 1570-1
- » DEKRA - test report
- » Close cooperation with the employer's liability insurance association ('Berufsgenossenschaft')
- » Fall protection device to prevent an uncontrolled vertical downward movement

High Availability

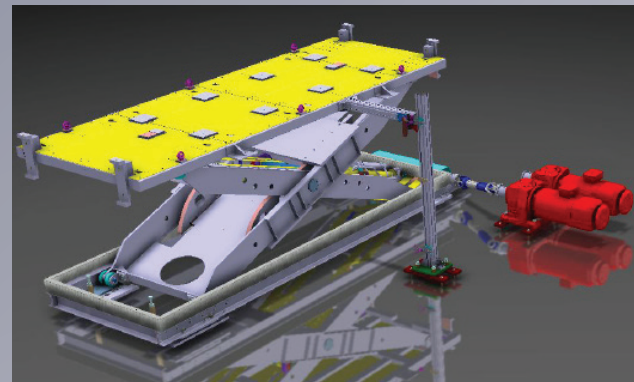
- » Belt designed with 11-fold safety factor
- » There is no need to exchange the safety cylinder after it has "activated"
- » Tested emergency mode (2-belt-operation)
- » FEM analysis of all main structures

Maintenance

- » Standardized training material with detailed description regarding maintenance work
- » Accessories for simple maintenance work
- » Maintenance-free components



» Side view lifting table



» 3D layout lifting table

Technical data x-levos

Rated load	6,000 kg
Speed	max. 200 mm/s
Vertical lift	1,200 mm
Height in lowered position	approx. 425 mm
Dimensions (footprint)	4,800 x 1,600 mm
Drive	Belt drive, electro-mechanical

Protection against uncontrolled vertical movement (fall protection)



» Dekra test report

* The photos or figures of the assembly and testing systems in the flyer are not showing the complete installation. The requirements of the machinery directive (2006/42/EG) will only be met by other supplementary scope of supply or - on delivery of uncompleted machines - those requirements must be fulfilled by the manufacturer of the (complete) machine. Flyer lifting table x-levos, Version B