

x-lift

A SMALL BUILDING BLOCK WITH A GREAT EFFECT

Innovation

After the successful market introduction in 2011 and with 134 units in the field, the second generation of the x-lift has now been released onto the market already sold.

The optimized design and the integration of a new drive system for the new, more compact x-lift means:

- » a greatly improved stroke/height ratio
- » a greatly increased capacity for off-centre loading

Use

In the marriage process the drive train and suspension components are joined after raising the pallets to the vehicle body.

The area under the pallet is required for the lifting units and the assembly process (bolting, clipping, etc.).

The smaller the area required for the lifting units, the more space there is available for access.

Characteristics

» Small

We have reduced the area required under the pallet (including gaiter) to a minimum and it remains constant during the complete stroke.

» Compact

Through the ideally arranged linear guides, it is possible to support extremely high offcentred loads of over 4.000 Nm.

» High lifting capacity

Lifting loads of 23kN are no problem for the small "muscle man"



Flexibility

Our lifting unit, x-lift, gives the largest possible free space which leaves room for the assembly operations and automation.

Quality

Quality assurance is made in-house. A further advantage of this worldwide tested system is the small height, the extremely large lifting stroke and the high availability of 99,9%.

Unit size

The table shows the common unit sizes. Due to the modular design, other sizes can also be easily realised without special design work.

Technical data x-lift

Unit size	700 750 800 850
Height (mm)	700 750 800 850
Stroke (mm)	780 880 980 1080
Positional accuracy	+/- 0,3 mm
Weight (kg)	400 430 460 490
Dimensions of flange (mm)	430x680 (incl. gaiter)
Dimensions of base plate (mm)	450x740
Stroke speed (mm/s)	max. 120
Acceleration (mm/s²)	max. 45
Nominal load (N)	23.000
Off-centre loading (Nm)	Longitudinal: 4.250 Transverse: 2.250
Availability	99%



» TÜV Zertifikate

Option

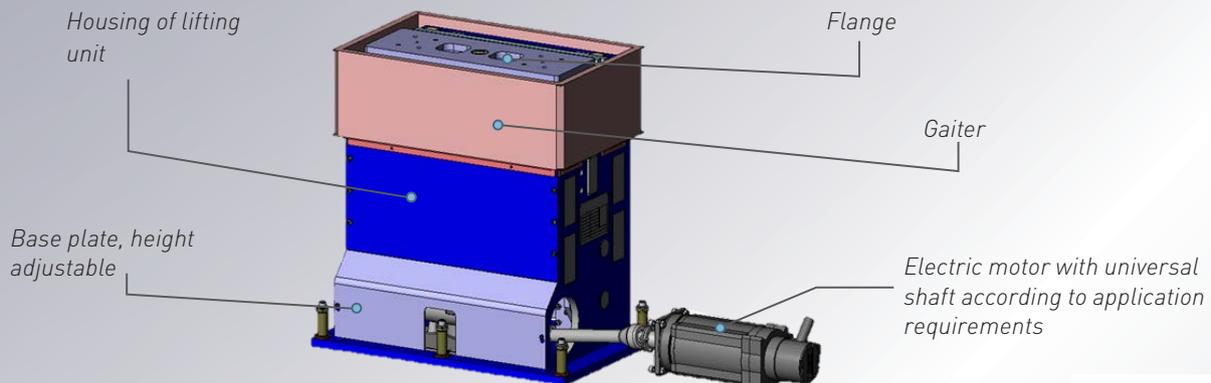
The patented safety brake serves to avoid uncontrolled „drop“ of the lifting unit. The construction has been accepted according to the machinery directive 98/37/EG in the course of a design test of the TÜV Saarland e.V. (Technical Inspection Authority).

Drive unit

The drive system consists of a controlled electric motor (servo, frequency, controlled), a universal drive shaft and an angle encoder. The drive shaft can be arranged to exit the housing in four different positions to allow the motor to be positioned according to requirements.

In use

The height-adjustable supports for an optimal position of the x-lift as well as integrated lifting eyes and a maintenance lock-out feature are part of the standard scope of supply.



* The photos resp. images of the assembly and test systems in our flyer do not show the complete system. The requirements of the machine regulations (2006/42/EG) are only fulfilled through additional scopes of supply resp. have to be fulfilled by the manufacturer of [complete] machines on delivery of uncomplete machines. Flyer x-lift, Version D

