

SUPERGLASSHANDLING™

GLCC600 – Manipulator 600KG

Manipulator for handling large sized glass elements in combination with a mini crane , truck loader crane or variable reach lift truck (telehandler)

Use

Handling of flat and convex/concave curved glasses on construction sites

Hoist

Mini crane, truck loader crane, variable reach lift truck (telehandler)

Attachment

- Exchangeable adapter for the connection with booms of different mini cranes and truck loader cranes.
- Adapter with integrated hydraulic movements (independent of the hoist and the GL-CC 1200 DES: side shift ± 100 mm left/right, telescopic boom 300 mm forward/backward) for the use with variable reach lift trucks (telehandler)

Materials to be handled

Flat glass, curved glass (convex or concave, bending radius ± 2 m) and window elements

Description

The vacuum based load lifting attachment SuperGlassHandling™ GL-CC 600 DES is designed for handling glass panes and window elements up to a maximum weight of 600 kg. It is equipped with a dual-circuit vacuum system for construction site use according to DIN EN 13155. The electrically operated vacuum pump is supplied with energy by a 24 V DC battery system. The quick change battery box allows exchanging the batteries within a few seconds.

Deviations from the nominal condition are indicated by optical and acoustical warning devices. Even in the case of complete energy breakdown, vacuum remains in each suction pad for at least 5 minutes. In this way a secure lowering of the load can be ensured at all times.

Specific adapters allow attaching the device to the boom of different mini cranes and truck loader cranes (provided by the customer) and allow by that glazing works in difficult to access areas. The suction frame can hydraulically be tilted by 120°, electrically rotated endlessly by 360° and swiveled electrically by ± 35°.

A special adapter with integrated hydraulic movements (independent of the hoist and the GL-CC600 DES: side shift ± 100 mm left/right, telescopic boom 300 mm forward/backward) enables the GL-CC 600 DES to be used as an attachment for variable reach lift trucks (telehandler).

All functions (both of the SuperGlassHandling™ GL-CC 600 DES and the truck adapter) are operated with a radio remote control.

Application data	
Working Load Limit:	Flat glasses: 600 kg (8 suction pads Ø 300 mm at the device) Convex curved glasses: 450 kg (12 suction pads Ø 280 mm at the device) Concave curved glasses: 600 kg (12 suction pads Ø 280 mm at the device)
Own weight:	ca. 145 kg with suction frame for flat glass panes and 8 pcs. suction pad Ø 300 mm ca. 170 kg with suction frame for curved glass panes and 12 pcs. suction pad Ø 280 mm
Lifting / Lowering:	by mini crane, truck loader crane, variable reach lift trucks
Movementssuction frame	Rotate: 360° Tilt: 0 - 120° Swivel: ± 35°
Movementstruck adapter	Side shifter: ± 100 mm left/right Telescopic main boom: 300 mm forward/backward
Suction pads:	8 pcs. Wirth Ø 300 mm or 12 pcs. Wirth Ø 280 mm, other pads on request
Vacuum generation:	Vacuum pump
Energy supply:	Quick exchange battery box, rechargeable battery, 24 V
Operation:	Radio remote control
Color:	RAL 2011 (deep orange), RAL 9006 (white aluminum)

