



Case lifters help to keep sick days down

Workstation designers are increasingly aware of the importance of ergonomics on the job.

Musculoskeletal disorders are among the primary causes for worker absences. In order to sustainably reduce times absent due to sickness and disability, it is important to minimize the strain placed on workers' bodies. Workers who continuously and repetitively lift and lower loads are especially prone to incorrect work posture that can lead to overexertion. Bending of the torso (below 800 mm) places a disproportionate strain on the human body.

The electric case lifter literally takes the load off employees' backs by doing the raising and lowering for them. It serves to bring workpieces into the correct grab area or to deliver finished products directly to floor rollers for further transport. In particular where heavy loads are involved, the case lifter is a huge help in supplying materials to the workstation. It can also be positioned at the beginning or end of a conveyor track to feed or remove conveyed items.

Moreover, it slashes the time required for parts supply and removal by up to 68% (MTM – Method of Time Measurement). Employees can then concentrate their efforts on their value-adding assembly work.

Rexroth's new case lifter offers you many advantages, including the following:

- ▶ Compared with manual mode, automatic mode further reduces waiting times
- ▶ In addition to stationary operation, rollers also allow for semi-mobile use
- ▶ Suitable for loads up to 220 kg
- ▶ Space-saving thanks to the compact, closed aluminum housing
- ▶ Suitable for use in ESD-sensitive areas
- ▶ The 10 mm slot enables simple mounting of components from the Basic Mechanic Elements modular system



144 Electric case lifter
146 Accessories

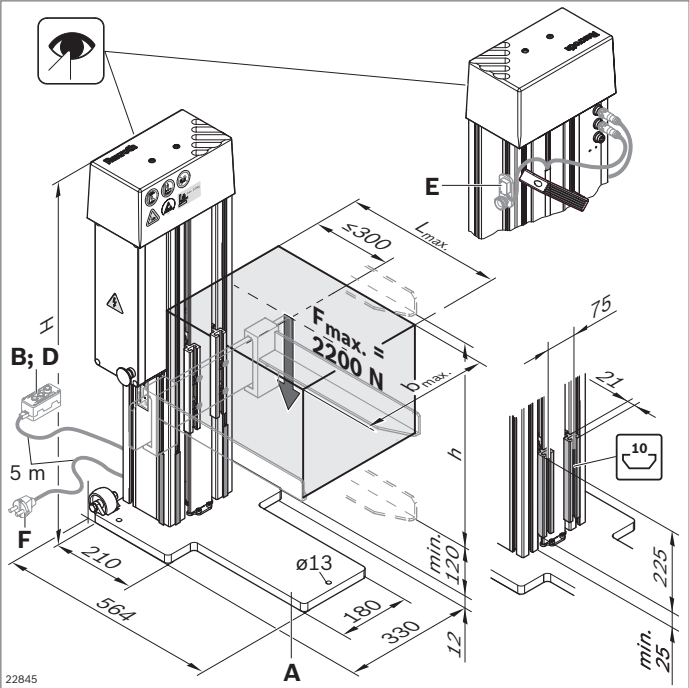
Electric case lifter



- ▶ Ergonomic parts supply at the workstation
- ▶ Operating mode:
 - Manual: Lifting and lowering through hand switch actuation. Suitable for use with Basic and Comfort hand switches
 - Automatic: Automatic lifting and lowering. Suitable for use with Comfort hand switches in conjunction with Comfort sensor unit (retrofit possible)
- ▶ Low overall height allows e.g. for installation under transfer systems
- ▶ Rollers for semi-mobile use at various workstations
- ▶ ESD version for use in ESD-sensitive areas
- ▶ The 10 mm slot enables simple mounting of components from the Basic Mechanic Elements modular system
- ▶ Easy start-up without electrician; connection via mains cable (🔌 145) or connection cable (🔌 45)

Required accessories: Basic hand switch or Comfort hand switch + Comfort sensor unit; mains cable

Optional accessories: attachment plate, forks, suspension strap 🔌 146, 147

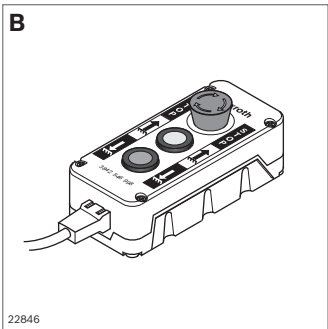


Technical data

- ▶ Permissible load F_{max} : 2200 N
- ▶ Lifting velocity: 25 mm/s
- ▶ Operating time (OT): 20%
- ▶ Connection: 230 V~/max. 16 A
- ▶ Protection class: IP40 IEC 529

Max. permitted load bearing surface				$b_{max} \times L_{max}$	
Attachment plate B = 450 mm				400 mm x 600 mm	
Attachment plate B = 650 mm				600 mm x 400 mm	

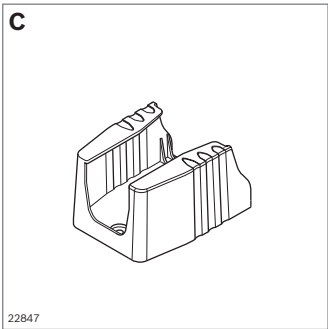
			h (mm)	H (mm)	No.
A	Electric case lifter	EU/NA	500	890	3 842 546 991
			900	1290	3 842 546 992



Basic hand switch (B)

- ▶ Push button for manual lifting and lowering
- ▶ With emergency switch
- ▶ Can be replaced with Comfort hand switch (D)

	No.
B Basic hand switch	3 842 546 998

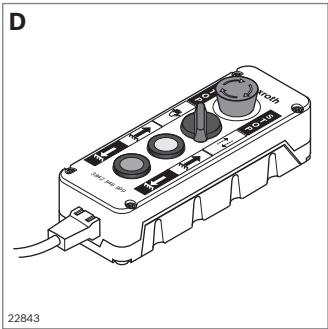


Holder for hand switch (C)

- ▶ To stow Basic and Comfort hand switches

Scope of delivery: includes fastening kit for 10 mm slot

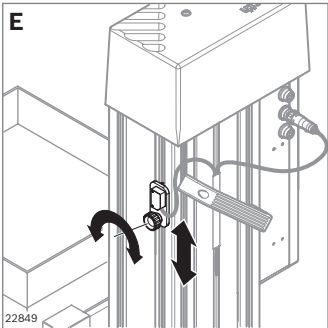
	No.
C Holder for hand switch	3 842 548 038



Comfort hand switch (D)

- ▶ For selection of “Manual” or “Automatic” mode
- ▶ Push button for manual lifting and lowering in “Manual” mode
- ▶ With emergency switch

	No.
D Comfort hand switch	3 842 546 999

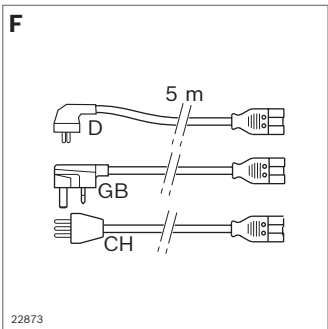


Comfort sensor unit (E)

- ▶ Works with the Comfort hand switch to control lifting and lowering in automatic mode

Scope of delivery: includes fastening kit for 10 mm slot

	ESD	No.
E Comfort sensor unit		3 842 547 200



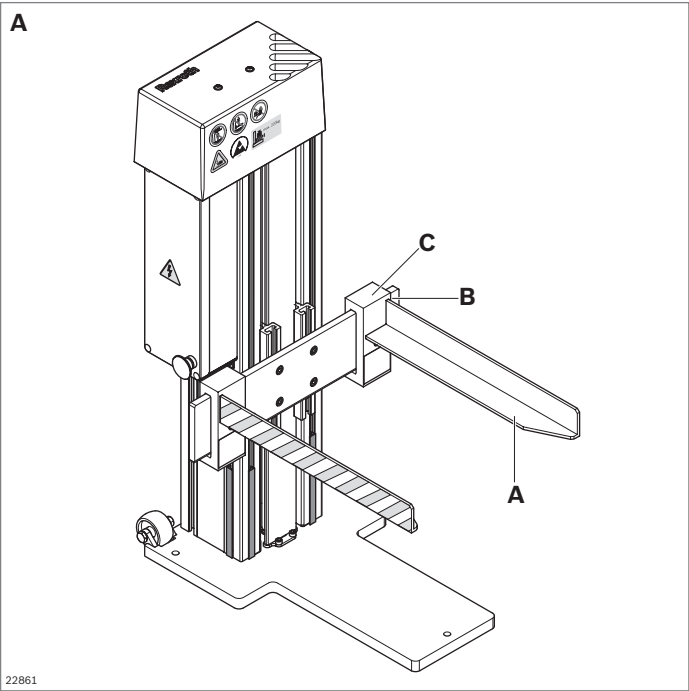
Mains cable (F)

- ▶ Ready-to-use; for easy and reliable plug-and-play start-up without electrician

	Country	L (m)	No.
F Mains cable	D/F ¹⁾	5	3 842 517 045
	GB ¹⁾	5	3 842 522 585
	CH ¹⁾	5	3 842 523 910

¹⁾ Test marks of VDI, ENEC

Case lifter accessories



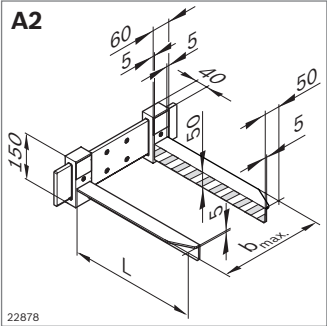
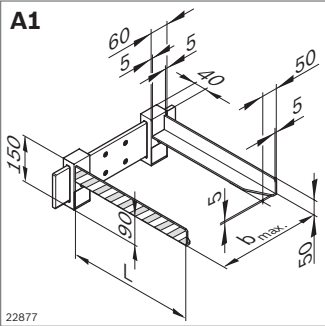
Forks (A)

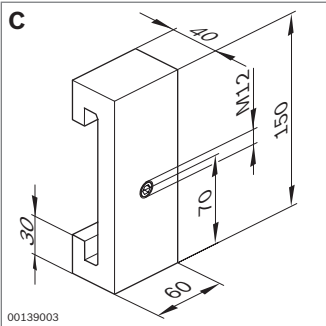
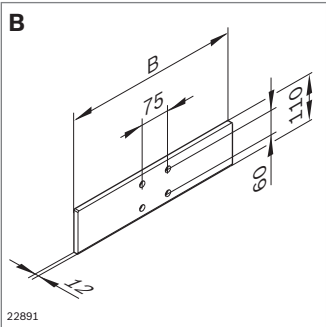
► For support of containers (A1) or floor rollers (A2)

Material: steel; painted black, with yellow safety mark on the side

Scope of delivery: kit with two forks (left and right), incl. fastening material

	L (mm)	ESD	No.
A Forks	400		3 842 549 435
	600		3 842 549 442





Attachment plate (B)

- For attaching forks or suspension straps
- Suitable for all case lifters

Material: steel; galvanized
Scope of delivery: includes fastening material
(for case lifter)

	B (mm)	b _{max} (mm)	ESD	No.
B Attachment plate	450	400		3 842 549 427
	650	600		3 842 549 428

Suspension strap (C)

- Suitable for attachment plate B
- For attaching individual supports

Material: steel; preserved
Scope of delivery: includes fastening material

	Set	ESD	No.
C Suspension strap	2		3 842 549 449