



Solutions for Scaffold-free lift installation from **goracon**®

System components for lift construction, configurable to suit your needs. Based on proven and reliable G-trac technology made by goracon.

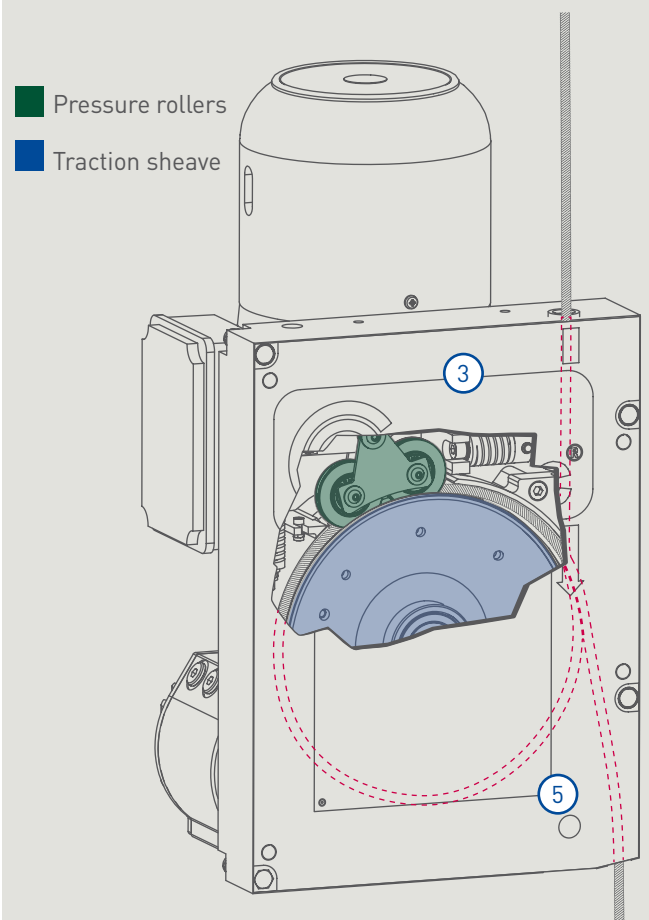
Plug & play ... and ready to go!

Function of the G-trac® traction hoist

- A traction hoist is a compact hoist in which the drive wire rope is not accumulated on a drum.
- The cable passes through the cable drive and contacts pulley with a V-shaped traction sheave. Traction for lifting, lowering and movement of loads is obtained via frictional resistance, by means of a drive cable and traction sheave.
- The cable tensioning system with pressure rollers guarantees safe and slip-free starting and stopping of loads and occurring load peaks.
- The unloaded end of the cable that leaves the traction hoist can be accumulated if required.

Advantages of the G-trac® traction hoist

- In conventional drum hoists, the traction is transferred from the rotating drum to the cable.
- The increase in layers on the drum inevitably results in a reduction in traction.
Assuming four to five cable layers, the traction of a drum hoist reduces by around 50% between the innermost and outermost layers.
- This is not the case with traction hoists. Their traction always remains constant.
- The layers on a drum hoist produce a constant change in the radial velocity of the drum resulting in a speed change of the hoisting cable during lifting and lowering procedures.
- **In a traction hoist, the operating speed always remains constant.**
- A drum hoist's radius of operation is limited by its winding capacity.
- Because the cable in a traction hoist does not accumulate, its range of movement or lifting height is limited only by the length of the cables!



An efficient, durable traction hoist developed by goracon!

Thanks to the goracon designed and manufactured **G-trac®** material and personnel hoist, as well as the **G-lock®** fall arrest device with load capacities up to 1000 kg, our product range for high access technology has been consistently expanded.

For our global customers we provide comprehensive services combined with utmost flexibility of supply in the field of height access technology.

Our worldwide certificates.

EN 1808

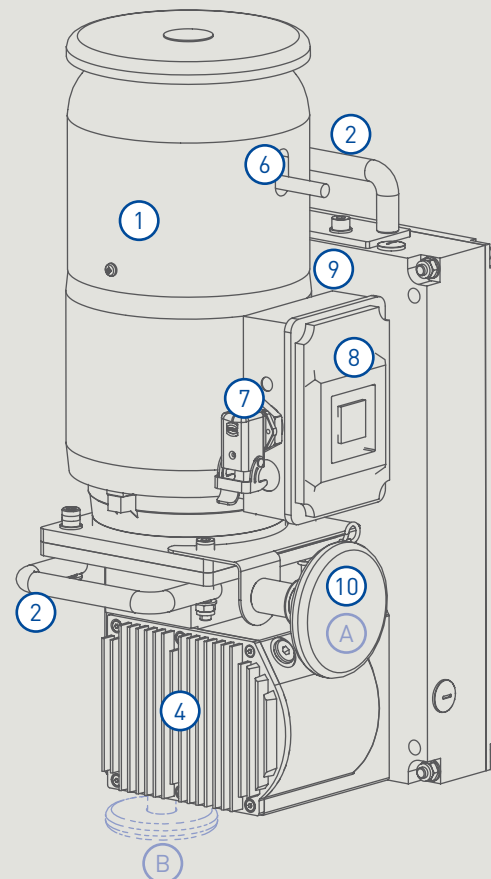
CSA B44.7

ASME A17.7



Our quality features:

- 1 A powerful, reliable electric motor
- 2 Carrying handles
- 3 Sturdy aluminum housing ensures for **low weight and high resistance**
- 4 Low-noise worm gear transmission
- 5 Functional single point suspension or a customized four-point attachment system
- 6 Electromagnetic, totally enclosed operating brake with manual release for emergency rescue via the centrifugal brake
- 7 connection to control mechanism
- 8 Operation hour counter
- 9 built-in, precise electromagnetic overload
- 10 Ergonomic emergency hand wheel
Either in exposed parking position (A)
or integrated (B)



Scaffold-free lift installation solutions **G-liftup** from goracon® saves time and money.

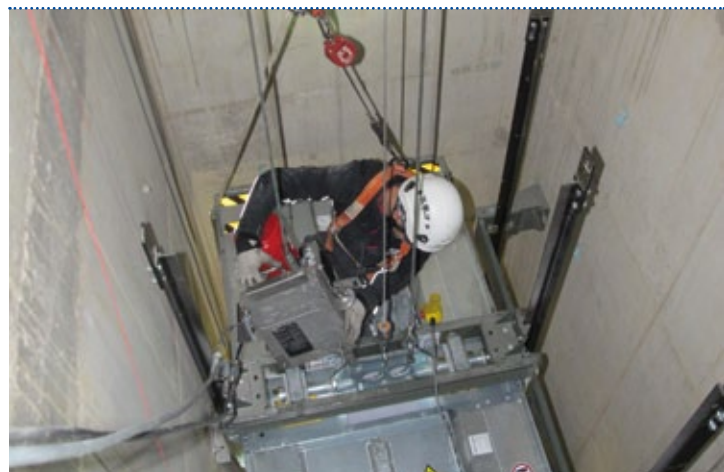
We provide mobility during the installation phase until a drive for your lift has been installed.

- Main component is reliable and proven **G-trac**® traction hoist technology.
- Payloads up to 1000 kg.
- **Plug & play** – simply mount the **G-trac**® on the cabin roof, and up you go.
- **Customized adaptation** to your cabin roof.
- A controller with **frequency inverter** fulfills many of your needs.
- Variable drive speed with **9 or 18 m/min** or any other speed between 2 and 18 m/min – **adaptable to your application needs**.
- **You decide the lifting height** – we will be happy to assist you.

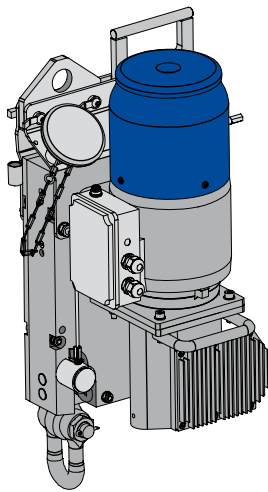
goracon® systemtechnik GmbH – matched to your needs.

- Let us convince you by the quality of our products.
- Our experience and know-how is your guarantee that everything works smoothly on your construction site.
- **Simply give our specialist a call.** You will find a **customized solution** for your task – guaranteed!
- Our services are customer-oriented.
- The **low wear** and **reliability** of our products ensure smooth operations on your construction site.
- **Our service – you probably won't need it.** However, we must observe the legally required maintenance intervals.

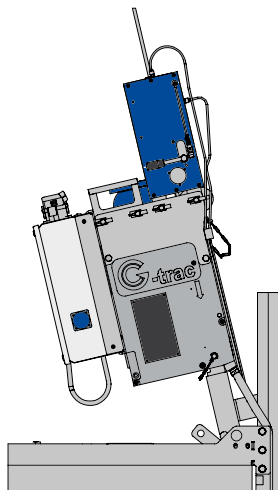
We would be glad to assist you.



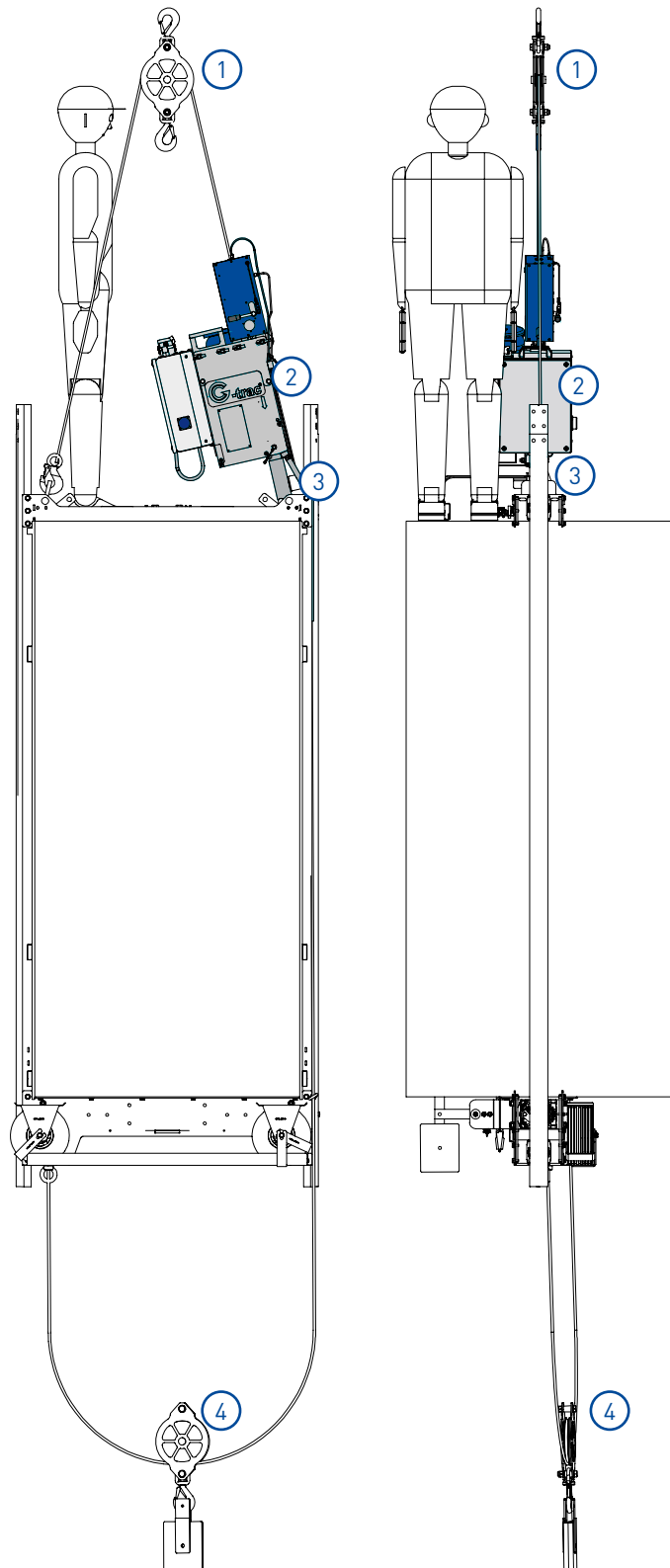
- 1 Upper pulley for deflecting the suspension rope
- 2 G-trac 1000 for lift installation
- 3 Adaptation to cabin carrier
- 4 Pulley with tension weight that keeps the exiting rope from touching the ground, thereby protecting it from contamination, damage, and twisting.



2 G-trac® 1000 for lift installation



3 Adaptation to cabin carrier



1 Pulley



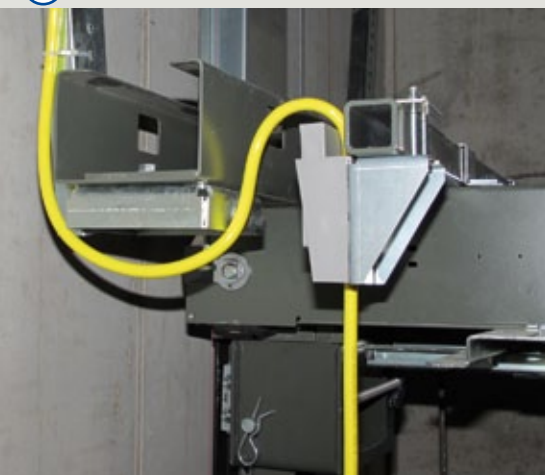
2 Lower tension weight with pulley



3 Example of an adaptation between G-trac® and cabin carrier



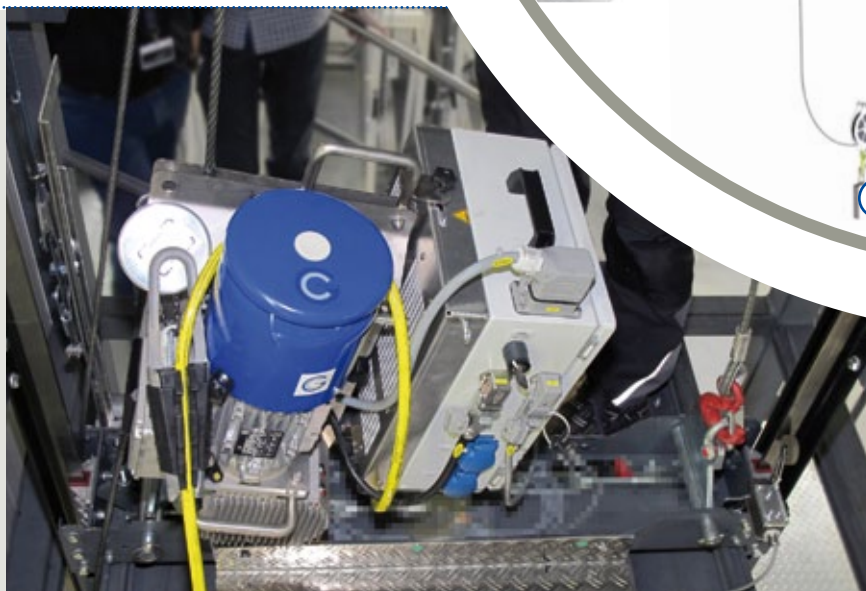
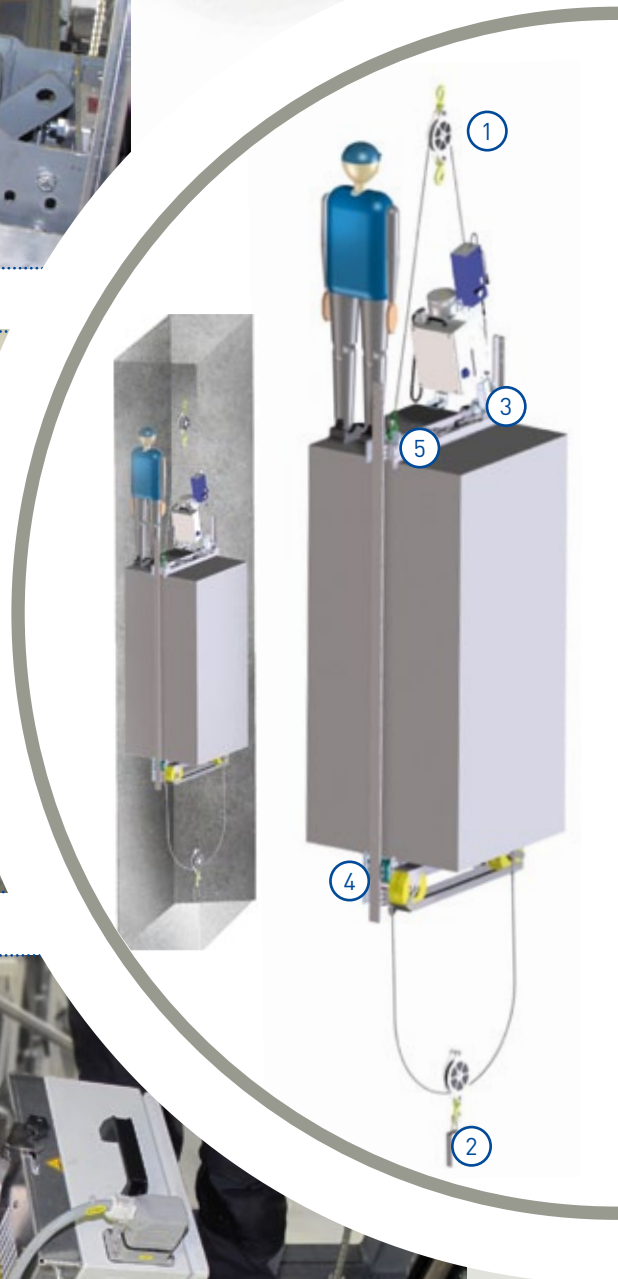
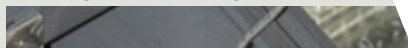
4 Securely installed supply cable



5 End of suspension rope secured to cabin carrier



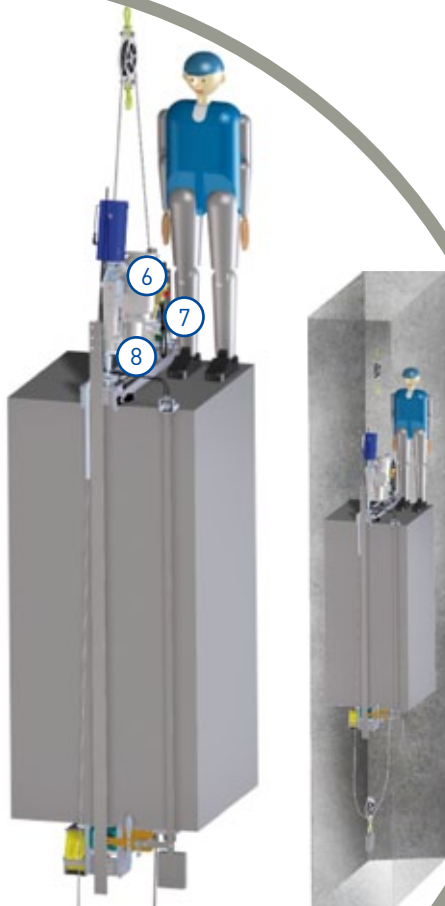
Example of limit switch to prevent the end of the guide rail being exceeded



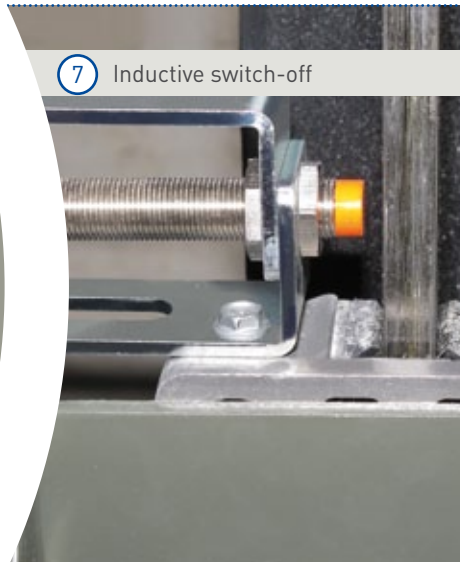
6 Optional: Remote radio control unit (transmitter & receiver), plug-in pendant control unit



6 G-control




7 Inductive switch-off



8 G-trac® 1000



Project-related diversity – no contradiction to standardized selection*:

				
G-trac® 1000	G-control	Plug-in pendant control unit	Radio remote control with transmitter and receiver	Lower tension weight with pulley
				
goracon electric cable PUR quality	Cable reel	Cable support grip	Cable terminal	Upper pulley, certified for transporting persons
				
Inductive switch prevents the end of the guide rail being exceeded	Roller limit switch prevents the end of the guide rail being exceeded	Adaptation of hoist/cabin carrier (example 2)	Adaptation of hoist/cabin carrier (example 1)	
				
Optional: Fault current circuit breaker type B	G-case for the G-trac®	G-case for the control devices	G-case for the frequency inverter controller and accessories	

* Technical changes, and adaptations of showed material and equipment are subject to change.



Special application for lift installation

Whatever you don't see in this brochure, we can develop it for you.

We will support your application and project related needs with innovative ideas, our experience and know how.

Simply contact our specialist in regards to your project needs.

A MUST be on every construction site Traction hoist G-smartrac® with electric motor for material transport.

Mobile motorized hoist with freely selectable hoisting height for flexible and efficient installation applications. Simple operation for safe working at great heights.

The pendulum function (alternating weight lifting) permits **a cost reduction of 50%** with every hoisting cycle. **The pendulum function eliminates empty travel**, and is thereby always ready for operation at short notice.

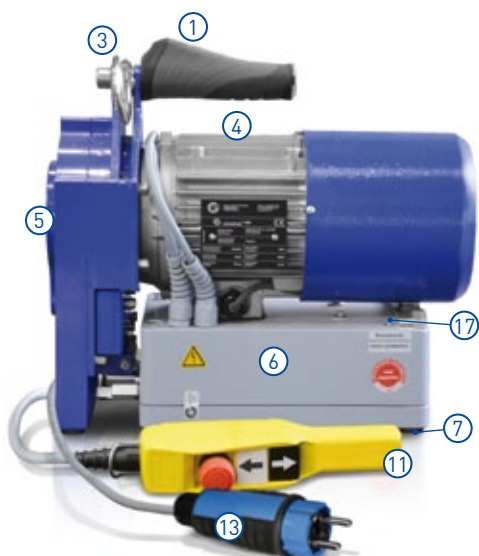


G-smartrac® For material transport with Payloads of 120, 150 or 300 kg



G-smartrac®, the traction hoist for material transport in the lift shaft

120 kg



150 kg

vario

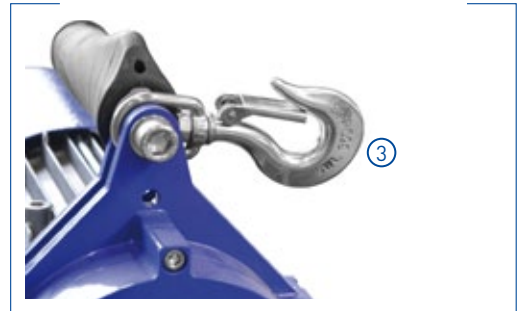


Technical data**	G-smartrac® 120	G-smartrac® 150 vario	G-smartrac® 300 vario
Load capacity	120 kg*	150 kg*	300 kg*
Rope speed	30 m/min	13/30 m/min (with soft start)	6/17 m/min (with soft start)
Voltage	230 V AC / 50 Hz	230 V AC / 50 Hz	230 V AC / 50 Hz
Output	0,75 kW	0,75 kW	1,1 kW
Rated current	ca. 6 A	ca. 8,3 A	ca. 8 A
Self weight	24 kg	22 kg	32 kg
goracon rope	Polyester with sheath	Polyester with sheath	Polyester with sheath
Diameter	9,0 mm	9,0 mm	11,0 mm
Necessary electr. output in generator operation	> 2,0 KW	> 2,0 KW	> 3,0 KW
EMC	–	Limit for the use in the second environment, category C3***	Limit for the use in the second environment, category C3***
Option radio remote control	range of 200 m in a cleared area / radio frequency 433 MHZ	range of 200 m in a cleared area / radio frequency 433 MHZ	range of 200 m in a cleared area / radio frequency 433 MHZ

* increased pulling force by using block and tackle hoisting. (2 x 120 kg, 2 x 150 kg or 2 x 300 kg).

** We reserve the right make alteration to the Produkt program without prior notice. No liability for mistaken or printing errors with regards to product images and product descriptions. Our terms of conditions apply.

*** Limit for the use in the first environment, category C1 on demand.



Features

- | | | | |
|----|---------------------------------|----|--|
| 1 | Carrying handle 120 / 150 vario | 11 | Controls (pendant push buttons) |
| 2 | Handle / guard 300 vario | 12 | Cable coupling (pendant control) |
| 3 | Devices hook | 13 | Safety plug |
| 4 | Electric motor with brake | 14 | Receiver for radio remote control |
| 5 | Rope operation | 15 | Transmitter for radio remote control |
| 6 | Control unit | 16 | Housing for the control unit |
| 7 | Device base | 17 | Over load indicator |
| 8 | Kernmantle rope | | Operating hour's meter |
| 9 | Rope and hook terminal | 18 | At the G-smartrac 150 vario and 300 vario now readable from the outside. |
| 10 | Load hook | | |



goracon systemtechnik gmbh
Färbereistraße 4
D-48565 Steinfurt
Phone +49 2552 9975-0
Fax +49 2552 9975-10
www.goracon.de
info@goracon.de

Technical changes are subject to change
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