



Technical Documentation



GTLE



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1. Ganser Liftsysteme – from vision to reality

Ganser Liftsysteme's success as a stairlift manufacturer is rooted in many years of company development dating back to 1965. Over the years, the company has positioned itself as the most important partner in the field of lift development and lift production on the market. This goes hand in hand with the vision of making a barrier-free life possible for people all over the world. Together with a customer-oriented management, excellent employees and a global dealer network, we have already made the vision of barrier-free living a reality in many homes, public institutions and companies. The Ganser Liftsysteme team stands for flexibility, expertise and reliability, enabling customers all over the world to benefit from customized lift systems and live barrier-free. Ganser Liftsysteme also turns your vision into reality - entrust us with your challenges.

2. Advantages of the GTLE

- Curved and straight version in one system
- Minimum installation depth of 240 mm in the parking position
- Design EN 81-40
- Gradient range 20 - 50°
- Suitable for the narrowest stairs
- Top rail without toothed rack as fully functional handrail
- High-quality weather-resistant materials
- New control system incl. display for quick error detection
- Soft start at the beginning, speed reduction in curves and when changing inclination

3. Stairlift structure & operating options

3.1. Possible controls

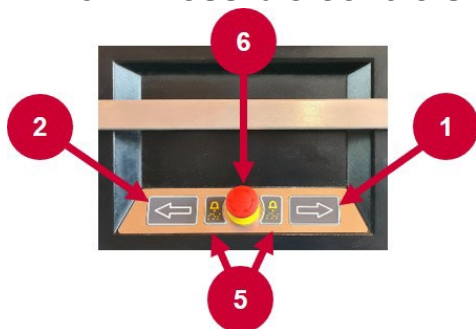


Abbildung 1: Control on the lift



Abbildung 2: Fixed mounted external remote control

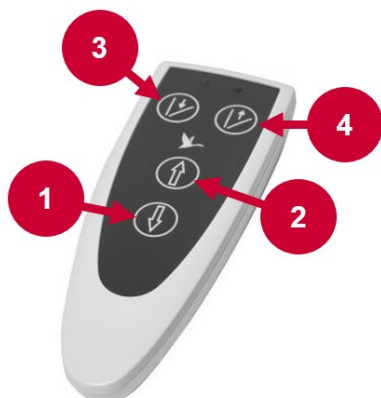


Abbildung 3: Remote control



Abbildung 4: Additional cable remote control for folding seat

1	Run command transmitter DOWN button	Depending on the direction of the arrow, the stairlift will go up or down.
2	Run command transmitter UP button	
3	Open platform	Depending on the direction of the arrow, the platform is folded down or up.
4	Close platform	
5	Emergency signal	Activates an emergency signal tone on the unit
6	Emergency stop button	After actuation, the stairlift stops. To unlock, the button must be turned.
7	Key switch	The system can only be put into operation with the key

Table 1: List of controls

3.2. Platform stairlift structure

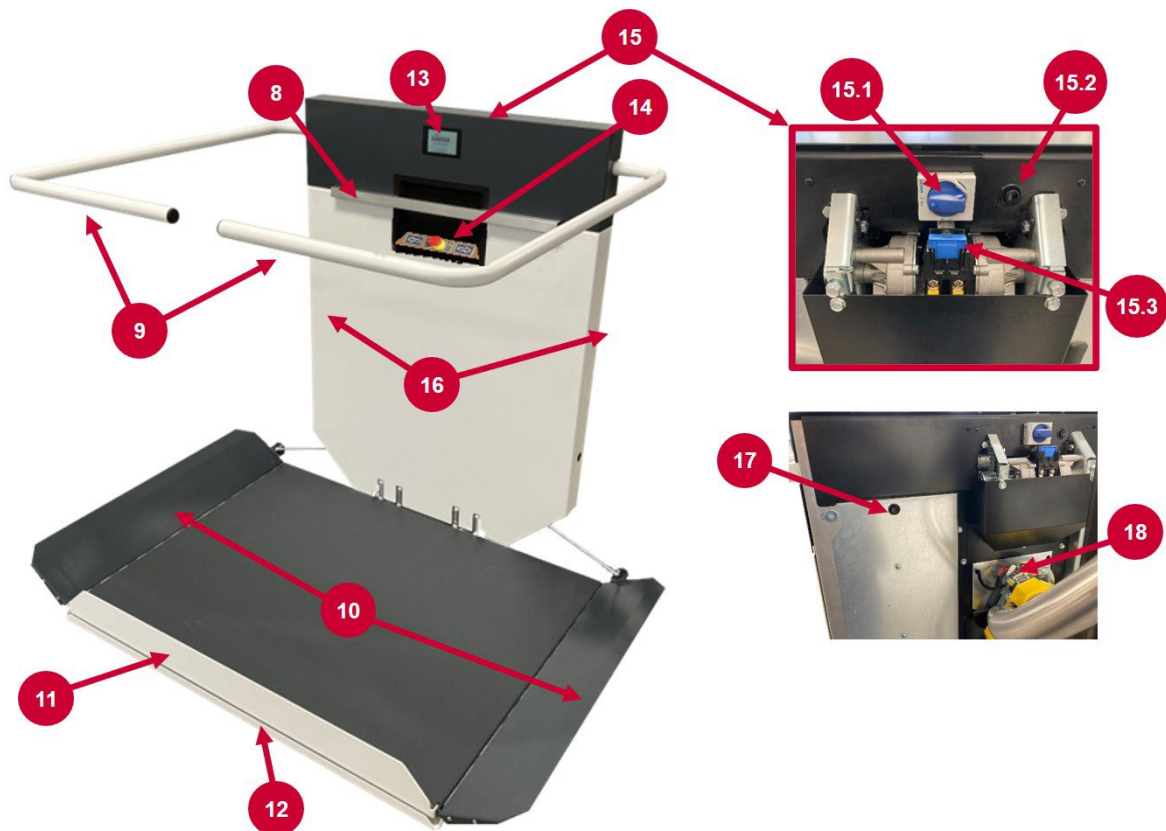


Abbildung 5: Stairlift structure

8	Handle
9	Safety barrier
10	Access ramp
11	Roll-off plate, front drive-on ramp (optional)
12	Contact base
13	Intelligent display
14	Control on the lift
15	Service access (rear)
15.1	Main switch
15.2	Platform emergency opening
15.3	Main battery fuse
16	Side switch-off
17	Reset button
18	Safety catch

Tabelle 2: Platform stairlift structure

4. Accessories

Ganser stairlifts can still be equipped with optional accessories in order to be able to respond to customer wishes in the best possible way.

4.1. Emergency telephone

The stairlift can be equipped with an optional GSM telephone, so that there is always a telephone on the lift. We recommend that every user of this stairlift system, especially in the private sector, carries a mobile telephone whilst operating the system.



4.2. Wireless wall-switch

Wireless wall-switch can be activated or deactivated with a key. This key prevents unauthorized persons from operating the stairlift. Wireless wall-switches are mounted on to the wall at each stop.



4.3. Hand-held remote control

This device allows the operator as much freedom as possible when operating the stairlift. They are no longer dependent on the stationary travel command transmitters at the stops or on the carriage, but controls the lift with a small remote control that can always be carried with them. The receiver section is located inside the carriage and transmits the radio commands to the control unit.

Due to the omission of the external controls, the system is largely protected against vandalism and willful damage.



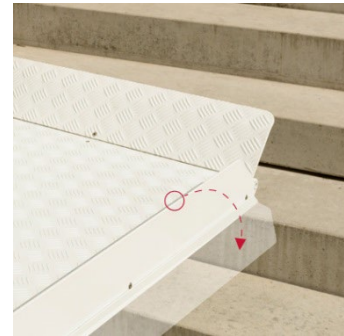
4.4. Cable remote control

Optionally, the platform stairlift can additionally be equipped with a cable remote control, which promises ergonomic operation when using a folding seat.



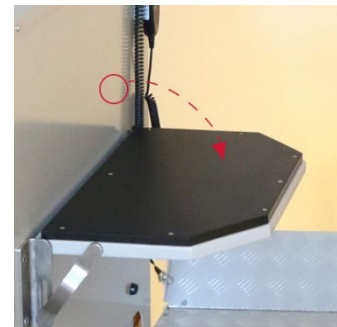
4.5. Front access ramp

In some cases, it is not possible to drive onto the platform via the two standard access ramps due to the lack of space in front of the first step. In these cases, an additional access ramp must be mounted on the long side of the platform and, if necessary, a roll-off bar on the downhill side.



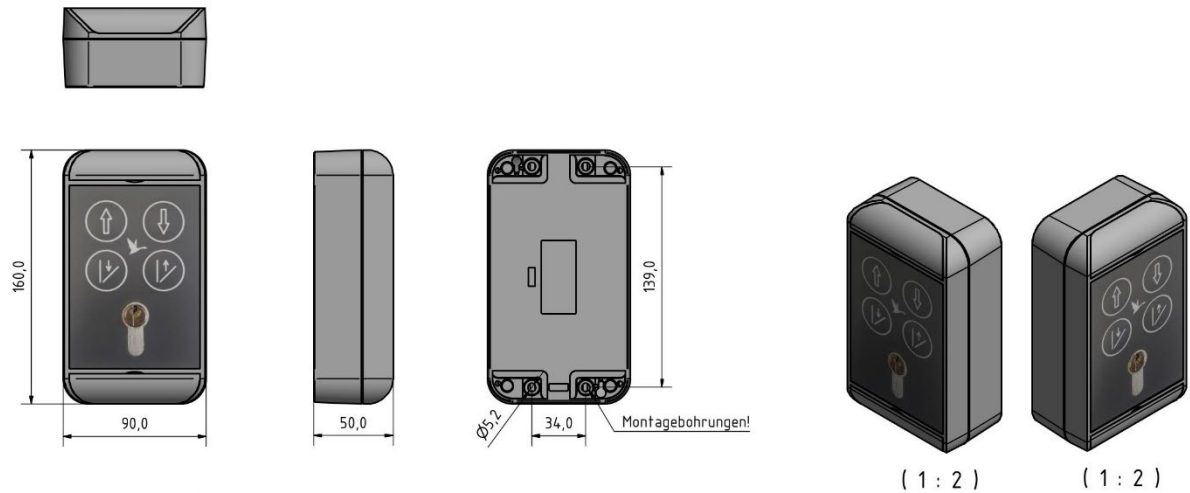
4.6. Folding seat

The folding seat allows the operator to travel while seated. It is finished with a pleasant plastic surface. If the folding seat is not needed, it can be folded up to save space.

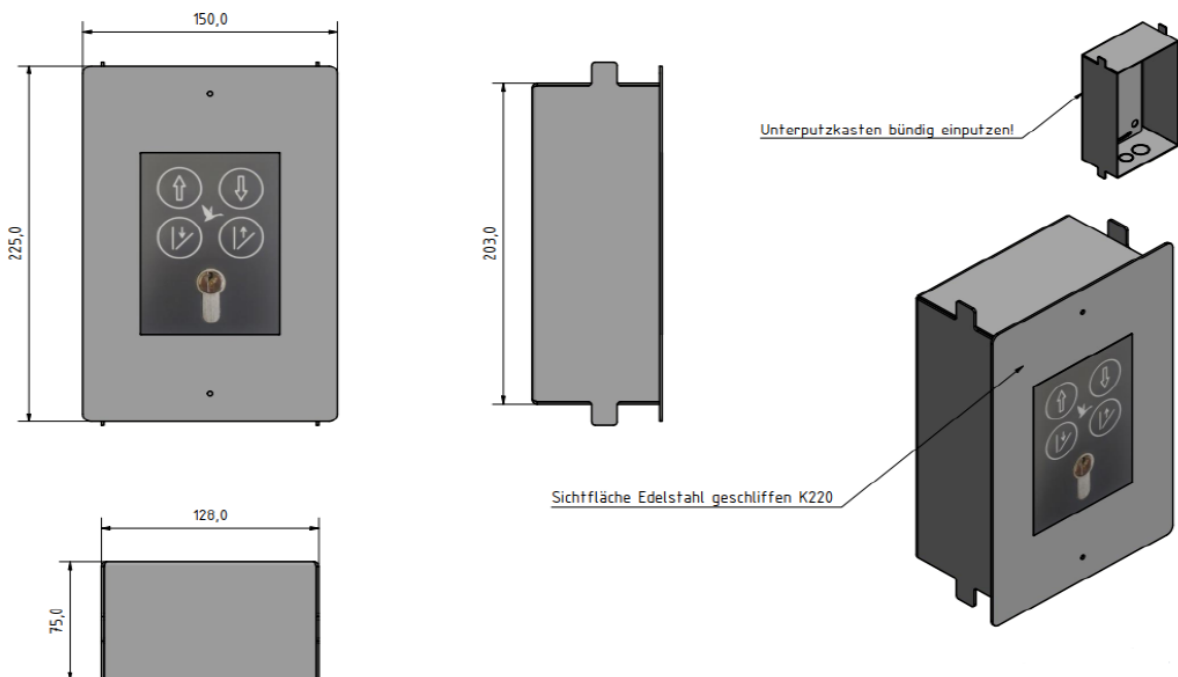


5. Wireless wall-switch / Versions

5.1. Surface mounted control (Standard)



5.2. flush-mounted control

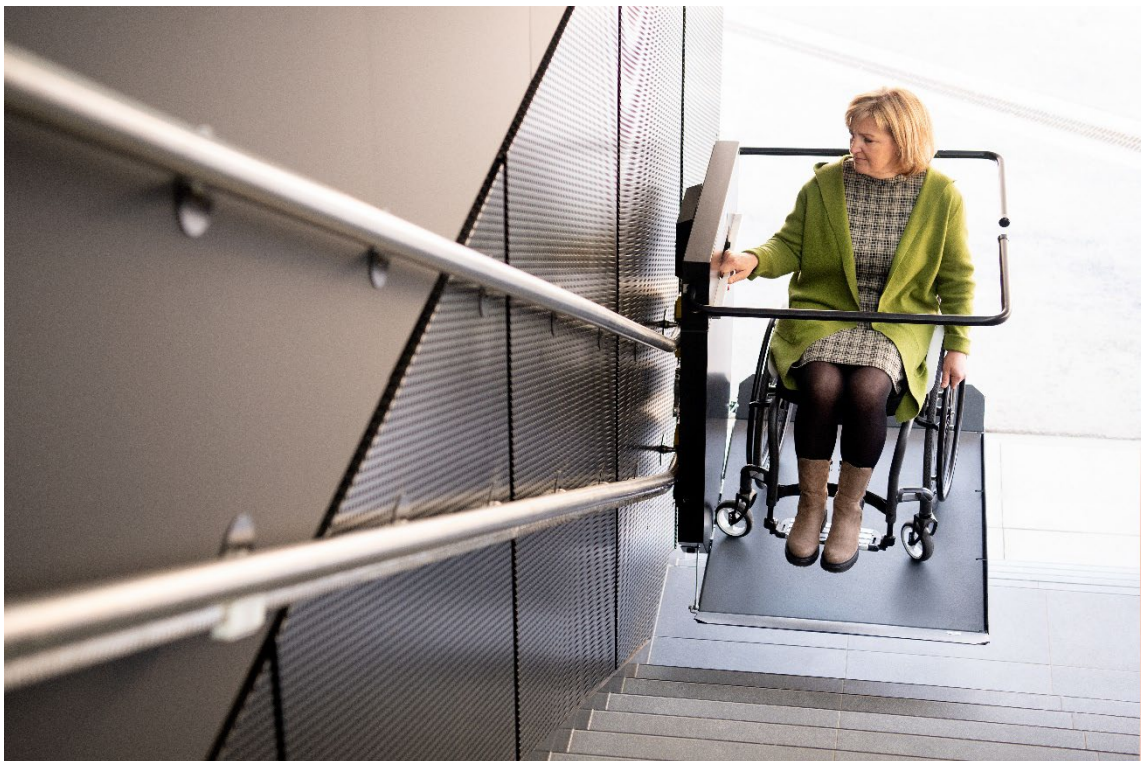
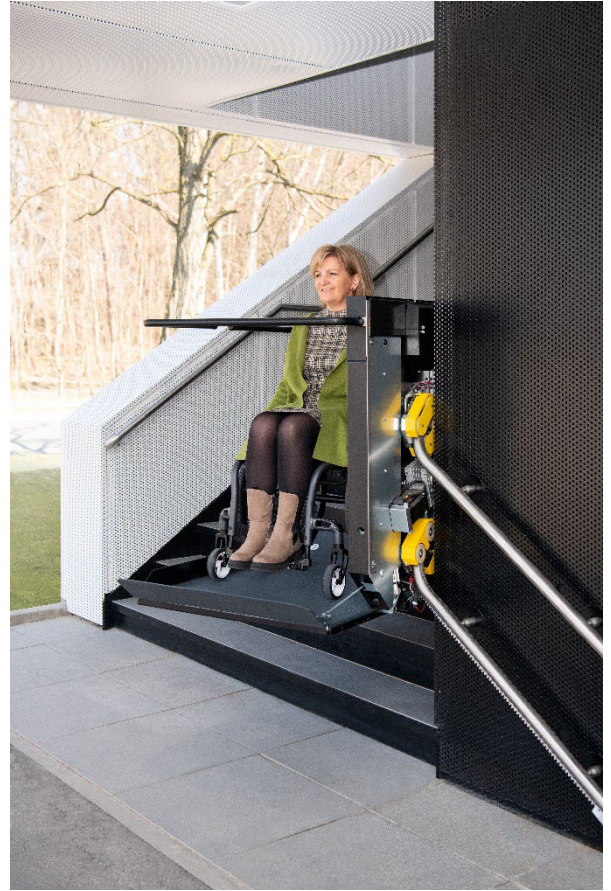


6. Technical Data

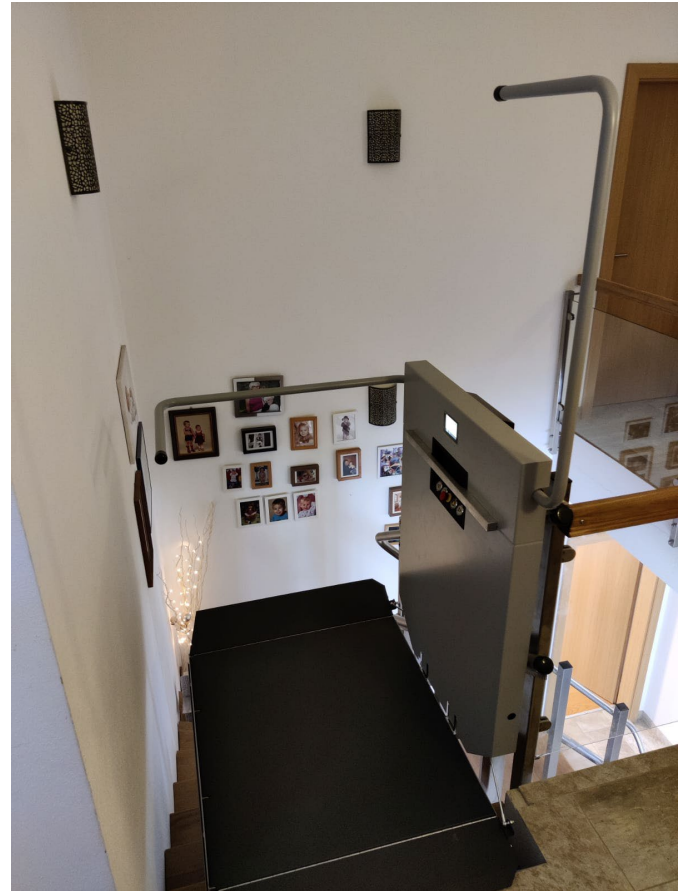
<i>Payload</i>	300 kg (tare weight: 115 kg)
<i>Roadway inclination</i>	20 - 50°
<i>Space requirement closed</i>	ca. 240mm incl. Roadway
<i>Platform size</i>	Standard 800 x 1000mm, Special sizes possible on request (<i>Max. size 1,2 m²</i>)
<i>Drive unit</i>	Rack and pinion drive
<i>Speed</i>	0,10 - 0,15 m/s (6-9m/min) (soft starters for start/stop)
<i>Design variants</i>	Battery powerd version 7 – 28,8Ah
<i>Electrical supply</i>	90-264VAC / 50/60 Hz (charger) 1,5 A (charger)
<i>Motor power</i>	Brushless DC Motor 0,8 kW
<i>Roadway</i>	Top pipe/rail: stainless steel without toothed rack, ø42mm, (Handrail) Bottom pipe/rail: stainless steel with toothed rack, ø42mm
<i>Colour / Surface</i>	Standard version: Aluminium coated Standard colour cover RAL 7048 (cover on request in all RAL colours possible) All anti-slip surfaces coated in RAL 7016 (On request all visible surfaces in stainless-steel 1.4301-K320, except all anti-slip surfaces)
<i>potential equalization</i>	min. 6mm ² (inside) / 16mm ² (outside)

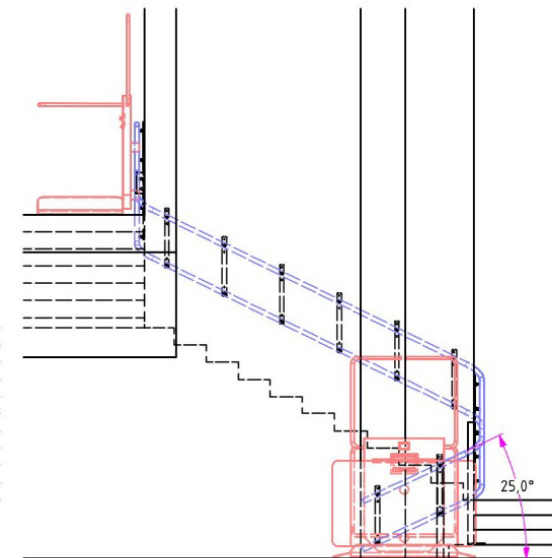
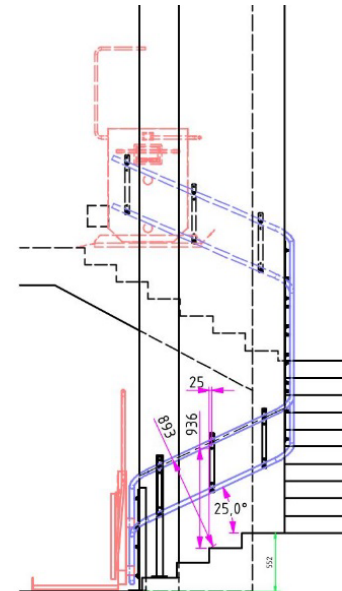
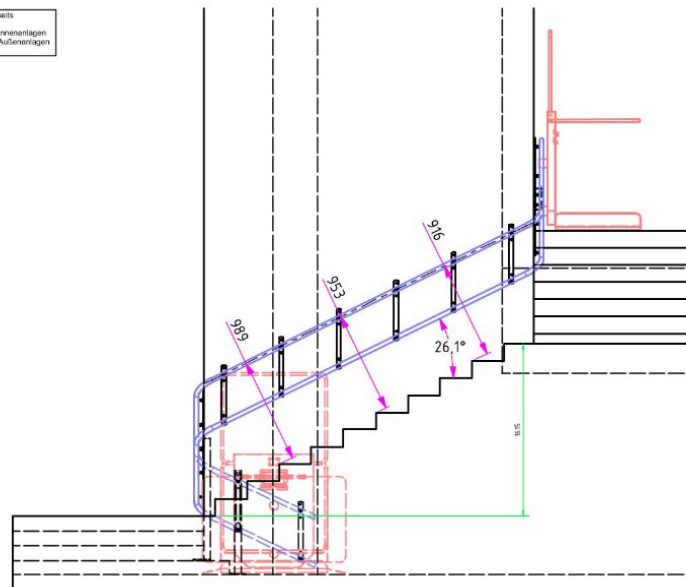
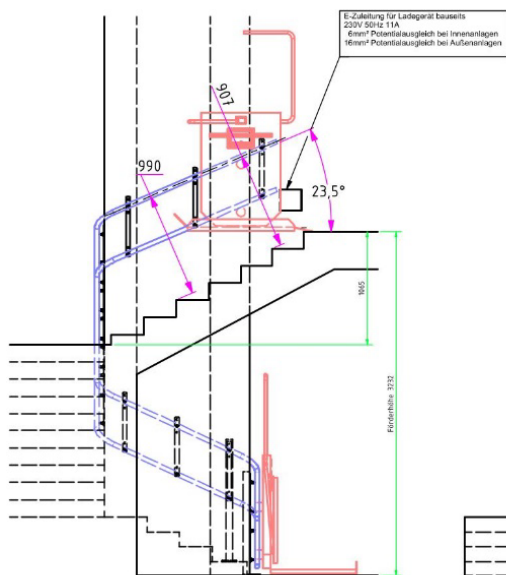
7. Examples

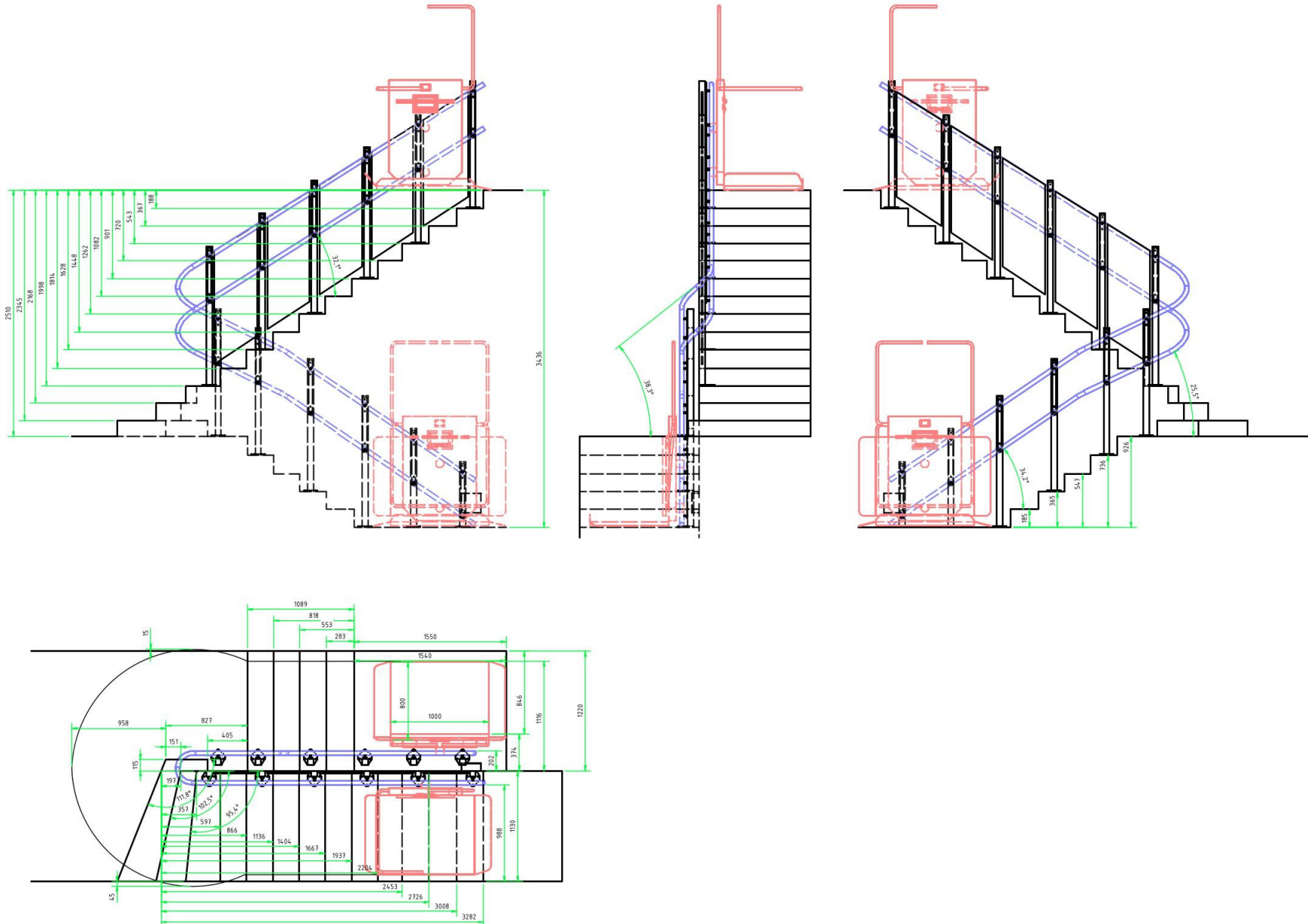
7.1. Wall mounting



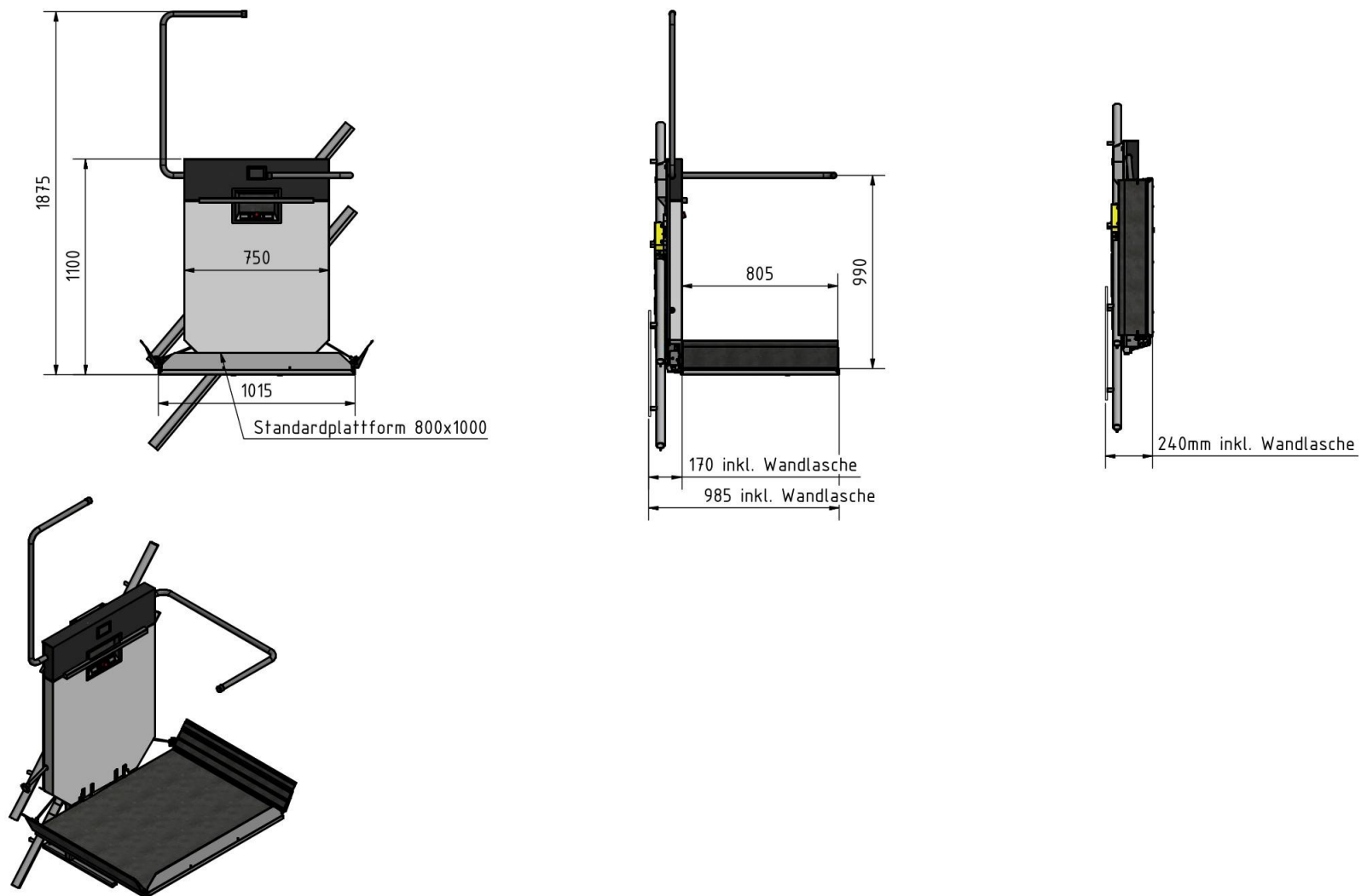
7.2. Mounting on columns



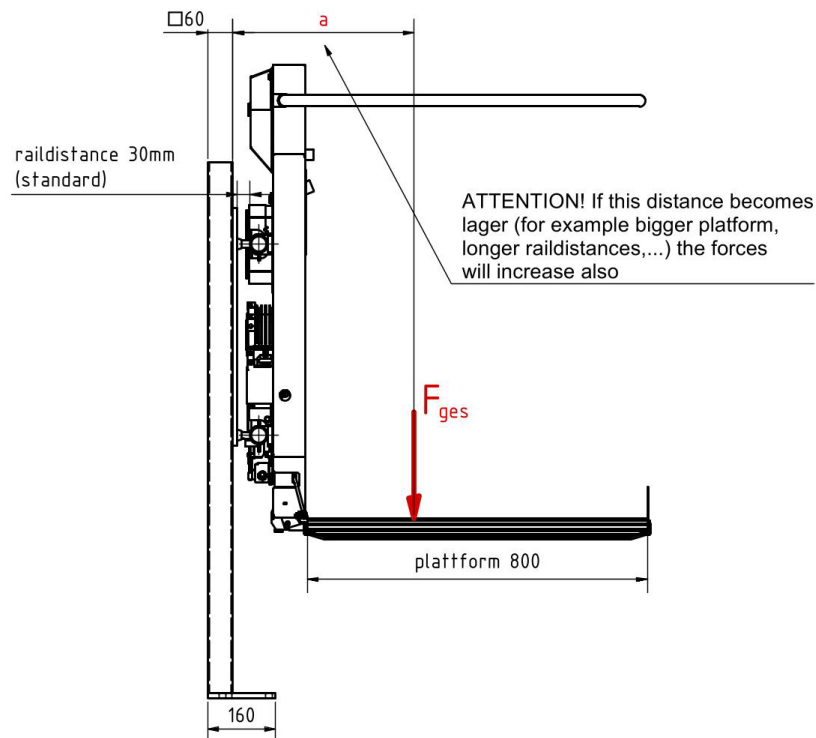




9. Dimensions of the lift



10. Load points

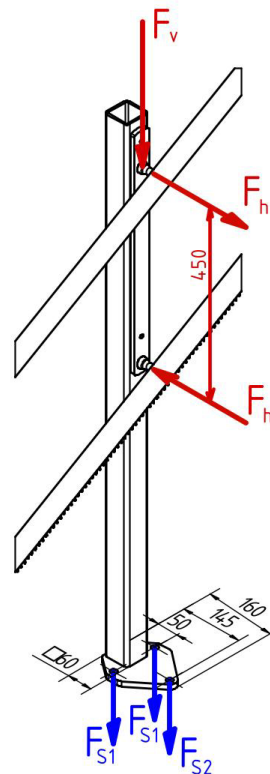


Kräfteübersicht GTL Edge

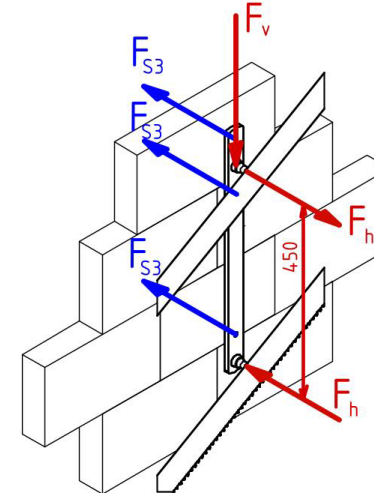
Eigengewicht [kg]	130
Nutzlast [kg]	300
a [mm]	460
F _{ges} (statisch) [N]	4218
F _h [N] * 1,5	6468
F _v [N] * 1,5	6327
F _{s1} [N] * 1,5	10164
F _{s2} [N] * 1,5	2772
F _{s3} [N] * 1,5	5100
(1,5 = Schockfaktor)	

calculated anchor forces

column monted



wall mounted



Mounting Methods:

- The stairlift can be mounted on columns or directly on the wall.
- A mounting method should be chosen such that the applied loads are adequately supported.
- Columns can be arranged in a variety of ways to suit the application:
 - With footplate fixed directly to tread.
 - With footplate fixed to tread and additionally fastened horizontally into wall.

 Ganser Maschinen GmbH Markt 26 A-6111 St. Peter am Wimberg Tel.: +43 7282-8871, Fax: 06 22 e-mail: info@ganserlift.at		Allgemeintoleranz nach DIN ISO 2768 mittel					
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Status	Änderungen	Datum	Name				

11. Circuit diagram (depending on version)

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