

# CARPET LIFT



TEAM  SERVICE



TEAM SERVICE designs and manufactures the carpet lift for ski resorts around the world. The carpets lift Team Service are ideal to equip the areas for the beginners but also to connect the ski slopes. A wide range of options allows to equip the carpet according to customer needs.



TEAM SERVICE offers two models of carpet lift: the TS SMART carpet and the TS E.I. carpet (electronic intelligent) that has a more advanced management system. These two types of carpets have both standard equipment:

**DRIVE STATION:**

- Compact motor station
- Optimized motorization to reduce energy consumption
- Driving roller Ø 350mm (small size)

**RETURN STATION:**

- Compact return station
- Return roller Ø 250mm
- Hydraulic piston to adjust belt's tension

**MODULES:**

- Interlocking and lightweight modules
- Easy and fast installation

**BELT:**

- Rubber belt created to transport skiers
- Highly resistant to wear and temperature changes
- Perfect grip also with snow and water
- Pre-stretched for a reduced elongation when it's working









## COMPONENTS AND MATERIALS

- **Marking:** CE - designed in compliance with EN 15700 standard
- **Motor:** SEW-EURODRIVE 5.5 - 7.5 - 11 - 18.5 - 2x11kW
- **Adjustable Speed:** 0.2 to 0.7 m/s, up to 1,2 m/s in option
- **Carpet width:** 550 mm, 650 mm, 800 mm, 1200 mm.
- **Bearing structure:** High quality GALVANISED STEEL
- **Side mats:** PVC or optional metal sheets (to keep clean the area under the carpet and level the snow along the side walkway)
- **Ground mounting:** Height adjustable FEET
- **Channels for belt sliding:** STAINLESS STEEL
- **Assembly system:** MODULAR (designed to guarantee fast system assembly)
- **Sidewalks:** ANTISLIP MATERIAL
- **Rubber belt:** TOP GRIP (antislip with STAINLESS STEEL joint)
  - designed for allowing to be shortened directly by the customer during the standard elongation period (first month of use of the new carpet).
- **Drive station:** featuring INFRARED HEATER (to prevent snow and ice formation)
- **Hydraulic belt tensioning system:** in the return station (downhill)
- **Electrical cabinet:** BUILT-IN and REMOVABLE
- **Automatic carpet restart** (in case of "false alarm")
- **Touch screen:** count of passengers and working hours, technical data collection, monitoring/list of all safety components (sensors). In case of carpet malfunction, the failure detected by the software is shown on the touch screen.

### OPTIONS :

- **Lateral landing**
- **Automatic gate**











## CONTROL PANEL AND CONTROL SOFTWARE

The **control panel** is an essential component, a unique feature that represents a real asset of our product on the market. The control touch screen ensures fast and easy operation for all the various system functions as well as real-time monitoring to determine any causes for system downtime, faults or malfunction. The simple user-friendly control software allows:

- displaying and fully monitoring each power circuit;
- displaying operation speed, amperage, motor temperature, date, time and external temperature;
- setting system speed;
- operating the snow clearance mode for fast effective system cleaning after a snowfall;
- operating the de-icing mode to remove ice between the rubber belt and the side mats;
- starting the ultrasound sensor for automatic snow melting;
- operating the automatic system start/stop actuated by rider presence.
- displaying system working hour and passenger counts.

## REMOTE CUSTOMER SUPPORT SERVICE

**Team Service provides customers with 24/7 remote support on all products.** The support service is provided free of charge and only requires customers to establish a steady system online connection - whether wi-fi, Ethernet or by Internet Key from any phone service provider.

Our remote support ensures customers to avoid any system downtime and travel costs that should be charged in case of on-site technician service.

This support allows our service technicians to provide remote carpet operation and detect any causes of malfunction promptly remedying the fault.

## MOTOR

The motor shaft and driving roller are coupled via an SKF flexible coupling. This solution allows conveying a lower load to the driving roller shaft upon full-load carpet restart and provides fast and easy reduction-gear decoupling if required. SEW EURODRIVE gear motor features a special anti-corrosive paint coating and heated oil pan to prevent increased viscosity at low temperature rates, as well as a PTC temperature probe for constant motor temperature monitoring.

A special brake rectifier installed in the motor maintains magnet heating in order to prevent brake lining from seizing up, which would cause motor start failure. The above-mentioned fault may frequently occur if the equipment is exposed to alternate freezing and thawing periods or atmospheric humidity and corrosion conditions during downtime.









## TS SMART CARPET

The carpet lift TS Smart is formed by basic elements, that are listed above:

- Economic engine
- Driving roller Ø 350mm
- Return roller Ø 250mm
- Hydraulic tensioning system
- Insertable line modules

TS is equipped with a smart interface, that consists of a touch screen 3.5-inch for adjusting the speed of the belt, and to detect any faults and defects in the electrical system.



## TS E.I. (Electronic Intelligent) CARPET

The carpet TS E.I has the same basic of Smart but it has many extras:

- Sensor «Start & Stop» to start and stop automatically the carpet, in the presence of skiers
- Anti-slip system ( automatic tension)
- Indicator of trolley position
- Shortening notice

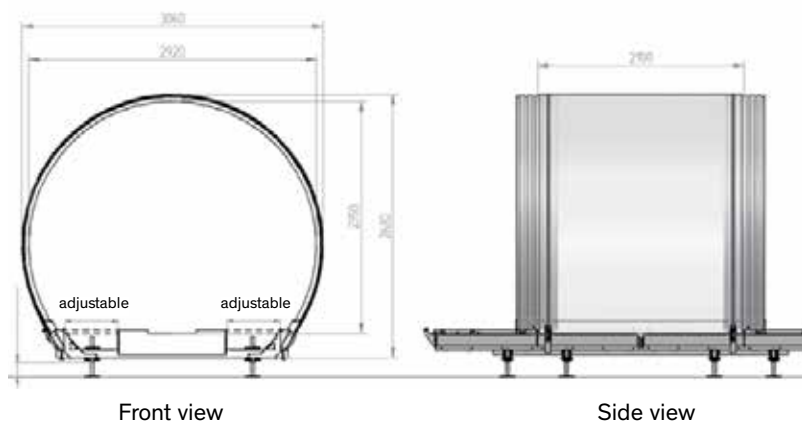
All of these sensors are controlled by the advanced interface the 12,1 inch touch screen of TS E.I. The management system can control and adjust the engine's parameters, such as belt speed, engine temperature, consumption, but also to act on the tension of the belt and activate the defrost of the belt or heating of the motor

The informations about the use of the device as the number of passages, the operation time, are available on the interface and can be downloaded to a USB-key

Finally, the operating software can be connected to Internet to receive remote support, allowing technicians of Team Service to check the operation of the carpet and intervene remotely in case of malfunction.





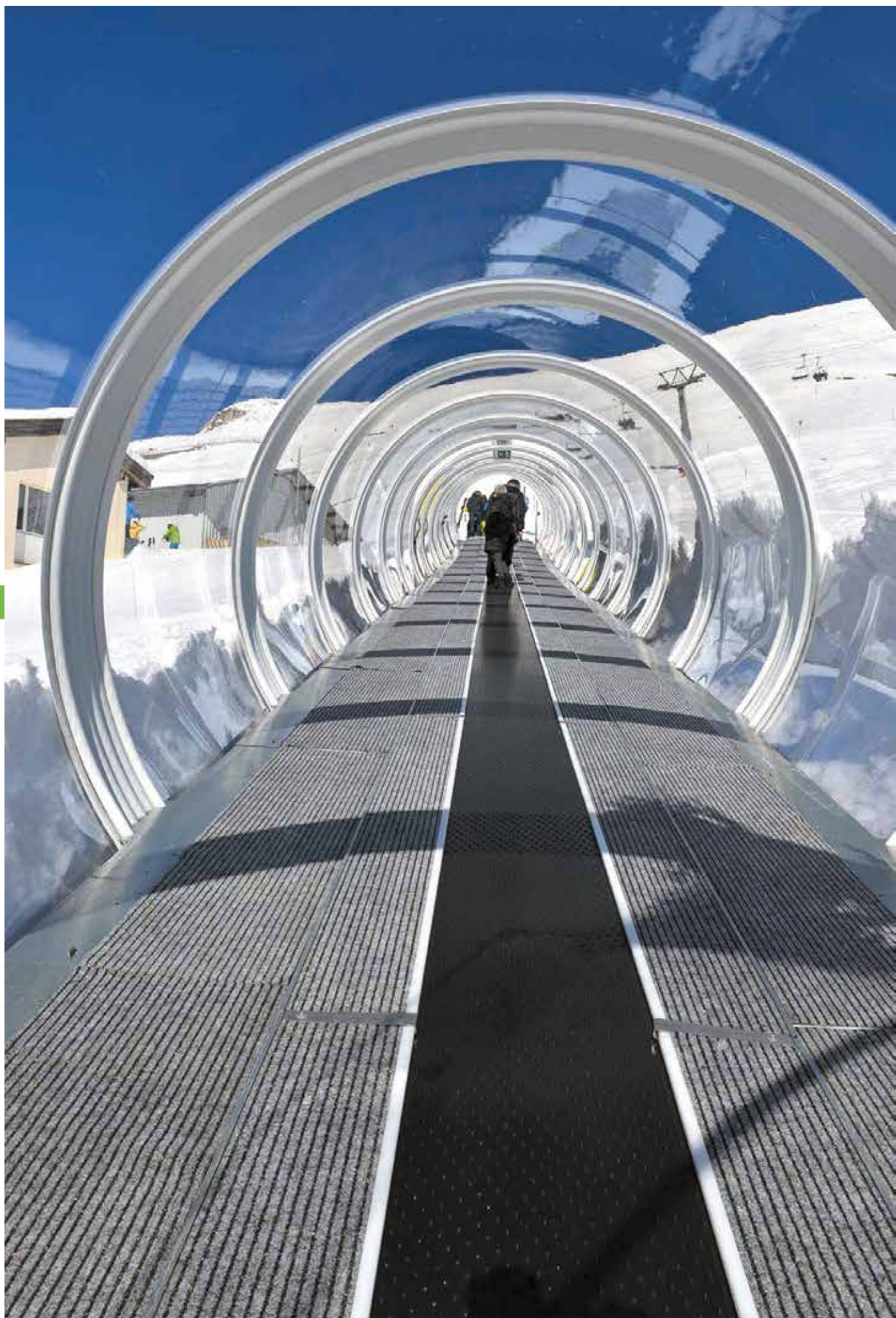


## CARPET LIFT TUNNEL

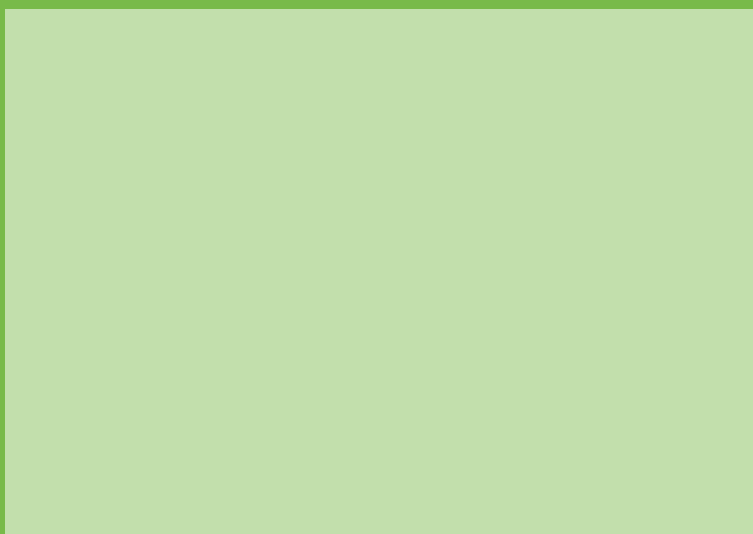
- Roomy interior for maximum comfort
- Suitable for carpet lifts of any width and on any terrain grade
- Easy installation
- Patented
- Tested in extreme weather conditions for full rider and carpet lift protection against snow, rain, wind and cold weather
- The interior allows riders to have a 360° all-round view
- The tunnel has a low visual impact from the exterior, in both summer and winter
- Emergency exits
- Universal; fits all make and model of carpet.
- The best adjustable solution for any carpet width
- Stringer system located under the carpet
- Double doors at both ends











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Come discover our chairlift loading belt

