

PALFINGER TAIL LIFTS

PASSENGER LIFTS

LIFETIME EXCELLENCE



TRAINLIFT

OUR FLEXIBLE LIFTING RANGE FOR TRAINS

FEATURES

- Semi-automatic lifts built into the train
- Specially developed and produced for vehicle manufacturer requirements
- Enables wheelchair users to enter and exit the vehicle safely
- Operation only by trained staff
- Lifting height up to 1400 mm
- Retrofitting possible
- Certified acc. TSI PRM

SAFETY DEVICES

- Automatic roll stop
- Lowering movement effected by gravity requirements
- Protective and elegant cover
- Special vandal-resistant coating on request
- Anti-slip surface
- Lift drive secured with stroke limiting valve
- Acoustic and visual signal



ROTATIONAL LIFT TR
Fully hidden behind cover parts



VERTICAL LIFT TRV1
One-arm cover and lift integrated in one solution



VERTICAL LIFT TRV2
Two arms (semi-automated) with fastest cycle time

TECHNICAL DATA

	ROTATIONAL LIFT TR	VERTICAL LIFT TRV1	VERTICAL LIFT TRV2
Lifting height	1400 mm (max.)	1250 mm (max.)	900 mm
Package height	1060 - 1800 mm	1461 mm	-
Package width	320 - 450 mm	272 mm	-
Package depth	1000 mm	941 mm	-
Capacity	350 kg	350 kg	350 kg
Platform length	1250 mm	1345 mm	1250 mm
Platform width	800 mm	800 mm	760 mm
Dead weight	180 - 300 kg	305 kg	280 kg
Voltage	24 / 36 / 110 V	24 / 36 / 110 V	110 V
Cycle time	160 seconds	120 seconds	< 100 seconds
Drive	electrical or hydraulic	hydraulic	hydraulic
Door width	850 / 950 mm	968 mm	-

MEDILIFT

OUR ELECTRIC LIFTING SOLUTIONS FOR BUSES AND TRAMS

FEATURES

- Fully automatic electric lift
- Designed for use in low-floor buses or trams
- Lifting of wheelchair users from road level without curb
- Convenient and safe entry for wheelchair users
- Used in historic old towns worldwide

SAFETY DEVICES

- Automatic roll stop
- Sensitive edges on ramp stop / platform
- Control with diagnostic function
- Safety markings
- Outputs for acoustic and visual signals
- MEDILIFT is integrated in safety circuit
- Anti-slip surface
- Compartment guard made from impact resistant plastic



COLUMN LIFT FOR TRAMS
SB 300



COLUMN LIFT FOR BUSES
LB 300



CASSETTE LIFT FOR TRAMS
CL 300

TECHNICAL DATA

	COLUMN LIFT FOR TRAMS (SB 300)	COLUMN LIFT FOR BUSES (LB 300)	CASSETTE LIFT FOR TRAMS (CL 300)
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Lifting height	approx. 320 mm	approx. 320 mm	approx. 320 mm
Platform / Cassette width	1200 mm	1050 mm	1385 mm
Platform / Cassette depth	870 mm	870 mm	791 mm
Lifting column / Cassette height	840 mm	840 mm	200 mm
Entire platform height	1200 mm	1200 mm	1200 mm
Entire platform width	925 mm	925 mm	1012 mm
Lifting capacity	350 kg	350 kg	350 kg
Voltage	24 V	24 V	24 V
Current consumption	30 A	30 A	30 A
Dead weight	200 kg	170 kg	200 kg

MEDIRAMP

OUR RAMP SOLUTIONS FOR BUSES AND TRAMS

FEATURES

- Designed for use in low-floor buses or trams
- Convenient and safe entry for wheelchair users
- Easy and fast maintenance

SAFETY DEVICES

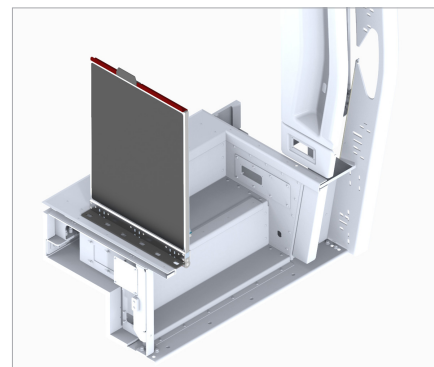
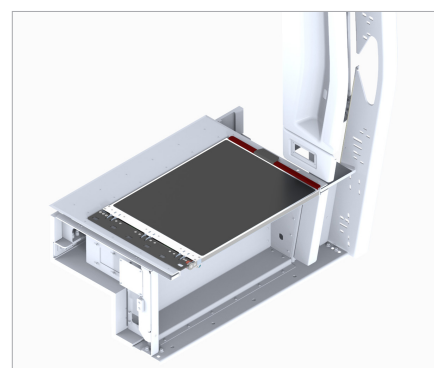
- Sensitive edge at the end of the platform
- Control with diagnostic function
- Safety markings
- Outputs for acoustic and visual signals
- MEDIRAMPE is integrated in safety circuit
- Anti-slip surface
- Step on sensor
- CR 1000 with LED light strip



FLOOR VERSION RAMP
FV



CASSETTE RAMP
CR



MEDISTEP TD
TRAP DOOR

TECHNICAL DATA

	FLOOR VERSION RAMP FV	CASSETTE RAMP CR	MEDISTEP TD TRAP DOOR
Installation	in the floor	under the floor	at the floor
Cassette / Platform length	850 mm	1480 mm	760 mm
Cassette width	1040 mm	1137 mm	-
Cassette height	60 mm / 74 mm	70 mm	-
Platform height	360 mm / 690 mm	1095 mm	-
Platform width	920 mm	920 mm	566 mm
Capacity	350 kg	350 kg	363 kg
Voltage	24 V	24 V	-
Dead weight	approx. 60 kg	approx. 65 kg	approx. 22 kg
Extension and retraction time	3 - 6 seconds	8 seconds	-
Drive	electrical	electrical / manual	manual

OUR COMPETENCE YOUR BENEFIT

1

LONG EXPERIENCE IN CUSTOMIZATION

We offer customized solutions, designed and build in our factory near Bremen within more than 30 years experience in the railway industry. We adapt to customer requirements quickly while following all relevant TSI and railway norms.

2

EASY USE AND LOW MAINTAINENCE

PALFINGER Passenger Lifts are proven to be user-friendly for wheelchair users and train attendants. Wheelchair users regularly visit our V&V-facilities to test new products and get first-hand feedback.

3

QUALITY AND INSTALLATION

Every lift comes with highest quality. All PALFINGER wheelchair lifts undergo full testing procedures before they leave our factory. Furthermore, our lifts are designed for easy installation on your train.

4

DIRECT COMMUNICATION AND TRANSPARENT PROJECT MANAGEMENT

We communicate in an open and fast manner. Transparent project management is a central element for the collaboration with our customers so they stay in the loop at all time during joint projects.

OUR REFERENCES

- Over 7500 Ramps, 2400 Medilifts and 2800 Trainlifts produced
- Engineering, planning, procurement and production in Germany
- All Trainlifts are certified according to TSI PRM (EU) 2023
- Certificates for welding DIN EN 15085-2
- Certificates for bonding DIN 6701
- Products for new vehicles and for the refurbishment of existing vehciles possible
- Safety equipment is a must for Palfinger
- Various options and technical adaptations are possible for the customer
- Workshops with wheelchair users and operators on-site possible to receive product approval from associations and political influencers

SIEMENS ALSTOM STADLER



DAIMLER MAN TURASAS
EvoBus



WANT TO KNOW MORE ABOUT OUR LIFTING SOLUTIONS?

For further information on our lifts and ramps, please contact our sales and service representatives:
passenger.service@palfinger.com

CONTACT DETAILS



WEBSITE



