

Door Systems.
Safety at every turn.

boarding systems

**Mobility: one of the most important needs
nowaday.**

- The requirements for the gap bridging systems have been increasing significantly for several years.
- Their simple task of gap bridging is out of date. The sliding steps have to meet more complicated requirements.
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- Many rail traffic enterprises aim to offer the needed mobility to the passengers using the gap bridging systems.

- The requirements are understandable, because the gaps reach sometimes more than 300mm.

- Pintsch Bamag have rised to the challenge and developed a range of individual solutions according to the wishes of our customers.

- PINTSCH BAMAG has developed a boarding aid that ensures risk-free, safe and barrier-free boarding of rail-mounted vehicles. That is especially true for senior citizens or wheelchairs.





article code
008 100 0XX-726

Application

- gap bridging
- conditional wheelchair access



Technical specifications

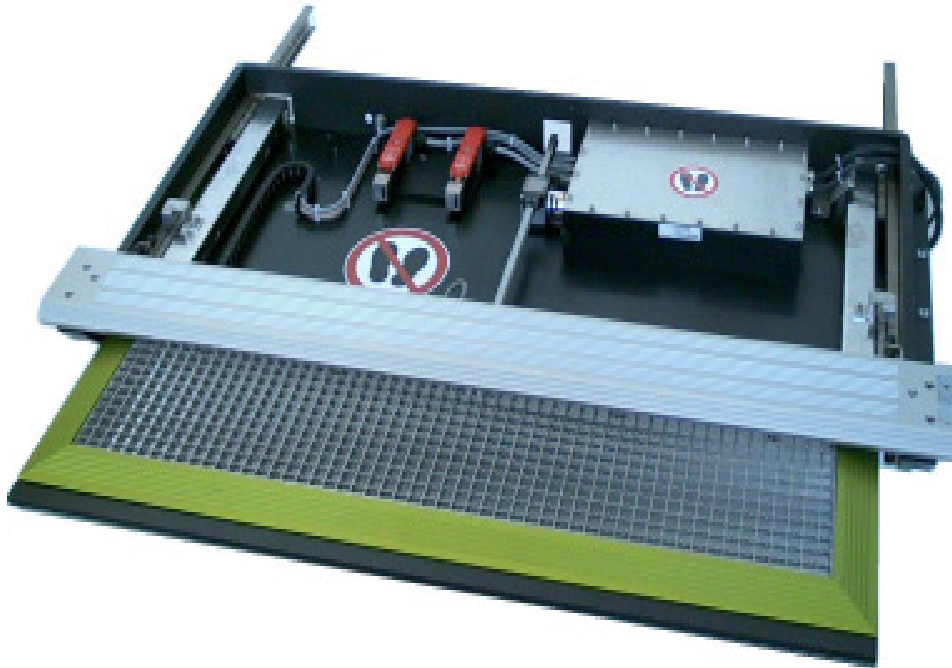
- Construction type : linear boarding step

Measures and weights

- Breadth : ca. 1300 mm
- Height : ca. 80 mm
- Deepness : ca. 1050 mm
- Usable depth of step : ca. 305 mm
- Usable width of step : ca. 1140 mm
- max. load of step : ca. 455 kg
- Weight : ca. 125 kg
- max. load of cover : 500 kg/m²
- Extraction time : 3 sec +/-20%
- Retraction time : 3 sec +/-20%
- Drive system: electric powered rack and pinion drive

Electrical finishing

- completely according to EN 50155
- Nominal voltage 24 V/DC
- Electric drive: permanent magnetic flow DC motor
- integrated control unit with shared application and safety logic



article code
008 190 0XX-726

Application

- gap bridging
- conditional wheelchair access

Technical specifications

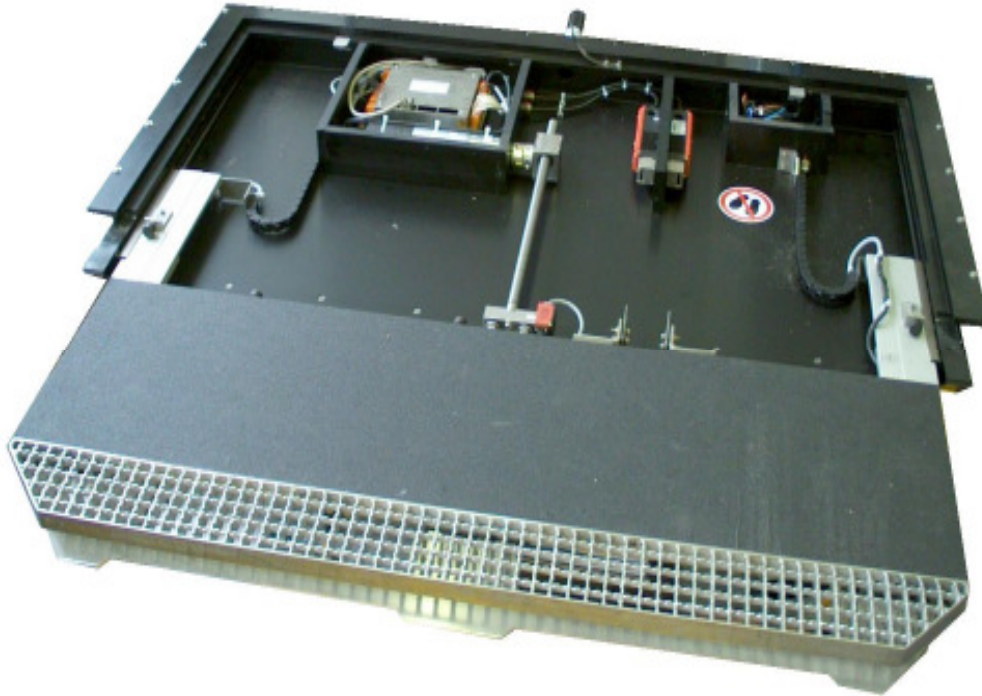
- Construction type: linear boarding step (with grating)

Measures and weights

- Breadth : ca. 1530 mm
- Height : ca. 120 mm
- Deepness : ca. 1130 mm
- Usable depth of step : ca. 370 mm
- Usable width of step : ca. 11300 mm
- max. load of step : ca. 520 kg
- Weight : ca. 120 kg
- max. load of cover : 500 kg/m²
- Extractiontime: 3 sec +/-20%
- Retractiontime: 3 sec +/-20%
- Drive system: electric powered rack and pinion drive

Electrical finishing

- completely according to EN 50155 .
- Nominal voltage 24 V/DC
- Electric drive: permanent magnetic flow DC motor
- integrated control unit with shared application and safety logic



article code
008 330 0XX-726

Application

- gap bridging
- conditional wheelchair access

Technical specifications

- Construction type: linear boarding step (operational by -40°C)

Measures and weights

- Breadth : ca. 1470 mm
- Height : ca. 95 mm
- Deepness : ca. 1026 mm
- Usable depth of step : ca. 385 mm
- Usable width of step : ca. 1300 mm
- max. load of step : ca. 520 kg
- Weight : ca. 120 kg
- max. load of cover : 500 kg/m²
- Extractiontime: 3 sec +/-20%
- Retractiontime: 3 sec +/-20%
- Drive system: electric powered rack and pinion drive

Electrical finishing

- completely according to EN 50155
- Nominal voltage 24 V/DC
- Electric drive: permanent magnetic flow DC motor
- integrated control unit with shared application and safety logic
- Nominal voltage of the heating 400 V/AC -25/+20%



article code
008 170 OXX-726

Application

- gap bridging
- Sliding step

Technical specifications

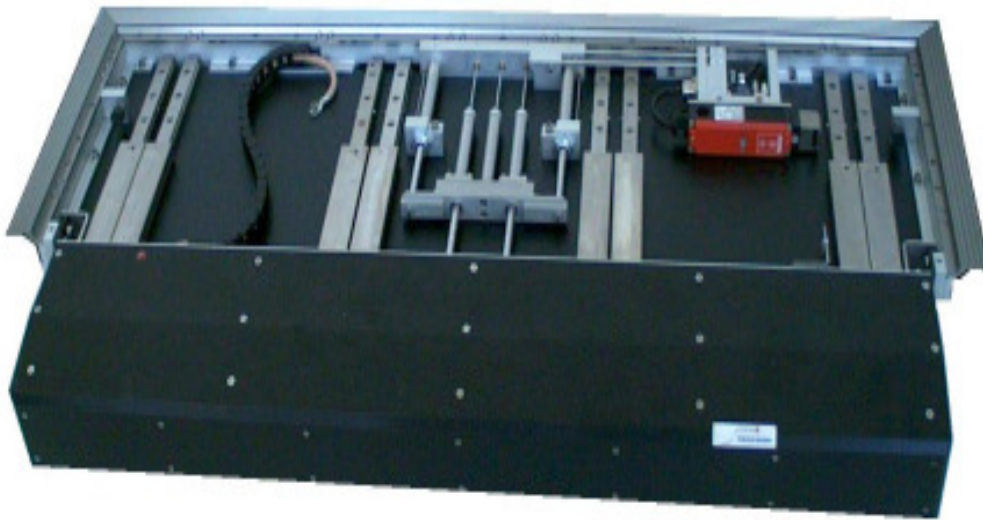
- Construction type: linear boarding step
(as twin-segment)

Measures and weights

- Breadth : ca. 1360 mm
- Height : ca. 130 mm
- Deepness (vehicle width) : ca. 2190 mm
- Usable depth of step : ca. 200 mm
(by amplitude of 600 mm)
- Usable width of step : ca. 1240 mm
- max. load of step : ca. 495 kg
- Weight : ca. 350 kg
- Extractiontime: 5 sec +/-20%
- Retractiontime: 5 sec +/-20%
- Drive system: electric powered rack and pinion d

Electrical finishing

- completely according to EN 50155 .
- Nominal voltage 24 V/DC
- Electric drive: permanent magnetic flow DC motor
- integrated control unit with shared application and safety logi



article code
008 265 0XX-726

Application

- gap bridging
- wheelchair access

Technical specifications

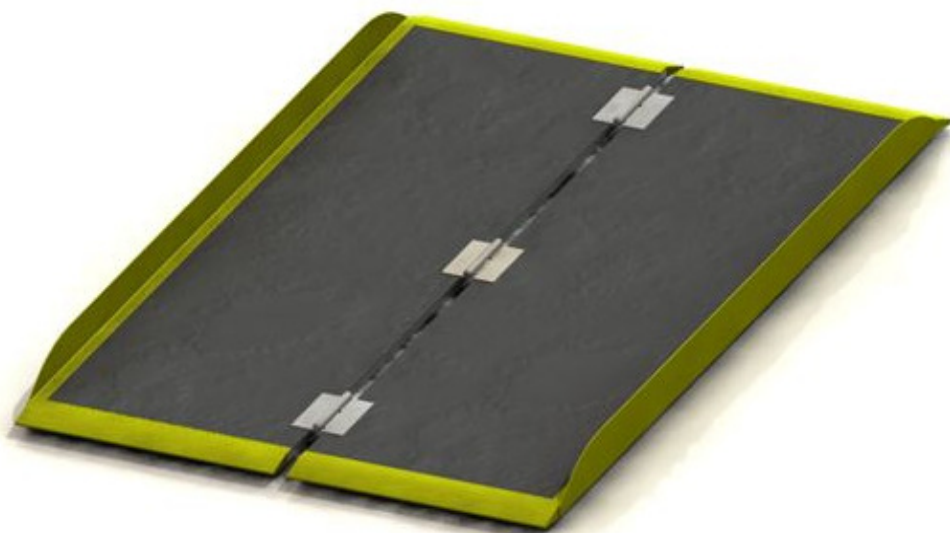
- Construction type: linear boarding step

Measures and weights

- Breadth : ca. 1350 mm
- Height : ca. 48,5 mm
- Deepness : ca. 458 mm
- Usable depth of step : ca. 180 mm
- Usable width of step : ca. 1240 mm
- max. load of step : ca. 495 kg
- Weight : ca. 52 kg
- max. load of cover : 550 kg/m²
- Extractiontime: 1 sec +/-20%
- Retractiontime: 1 sec +/-20%
- Drive system: pneumatic cylinder unit

Electrical finishing

- completely according to EN 50155 .
- Nominal voltage 110 V/DC



article code
008 XXX XXX-726

Technical specifications

- Construction type: manual fold-down ramp KSF/GS

Measures and weights 550/760

- usable length : ca. 2000 mm
- usable Breadth : ca. 85 mm
- max. load : ca. 350 kg
- Weight : ca. 16 kg

Measures and weights 550/380

- usable length : ca. 1500 mm
- usable Breadth : ca. 85 mm
- max. load : ca. 350 kg
- Weight : ca. 12 kg

Measures and weights 550/550

- usable length : ca. 900 mm
- usable Breadth : ca. 85 mm
- max. load : ca. 350 kg
- Weight : ca. 7,5 kg

Miscellaneous

- Meets the new fire prevention requirements
- Free color selection

Application

- Manual wheelchair access



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Technical specifications

– Construction type: _____

Measures and weights

- Breadth : ca. _____ mm
- Height : ca. _____ mm
- Deepness : ca. _____ mm
- Usable depth of step : ca. _____ mm
- Usable width of step : ca. _____ mm
- max. load of step : ca. _____ kg
- Weight : ca. _____ kg
- max. load of cover : _____ kg/m²
- Extractiontime: _____ sec +/-20%
- Retractiontime: _____ sec +/-20%
- Drive system: _____

- PINTSCH BAMAG provides Plug & Play modules that are optimized for mounting technology used in waggon building. The advantage of these modules is the simple and low-cost maintenance.
- The drive systems are available in different versions – electric and pneumatic - due to our modular construction kit concept for each customer's specification.
- Basis is the implementation of customers and operator requirements as well as compliance with railway-specific norms like EN 14752 „Doorsystems for rail vehicles“ or EN 45545 „Fire prevention requirements in rail vehicles“. The consistent implementation and extensive experience ensure the reliability and high availability of these systems.
- Safety and availability are the basic principles for our products.



STS550 Classic/Advance

VT 642

KVG 1- 3 (Privately owned railroad) (prod. run 1)	12 pcs.	08.'02 - 01.'03
HHGB (Privately owned railroad, Denmark) 4 pcs.	11.'02 - 12.'02	
NBT 2 (Danish State Railroad)	48 pcs.	07.'02 - 10.'02
Connex (Chemnitz)	36 pcs.	10.'02 - 11.'02
DB Retrofit (Railroad of Erzgebirge) (prod. run 2)	64 pcs.	10.'04 - 11.'04
ÖBB (1.Los) (Austria)	80 pcs.	04.'04 - 09.'04
OCE (USA)	48 pcs.	10.'05 - 11.'05
HLB (Railroad of Hesse) (prod. run 3)	24 pcs.	03.'06 - 06.'06
DB Retrofit (Delitsch)	12 pcs.	01.'06 - 10.'06
DB Retrofit (Magdeburg)	160 pcs.	01.'06 - 10.'06
ÖBB (2-nd batch) (Austria)	160 pcs.	08.'06 - 01.'08
DB Retrofit (Westpfalz)	44 pcs.	05.'08 -

STS 550 Sonder

AVANTO (Paris, SNCF)	150 pcs.	10.'04 - 10.'05
AVANTO (Muhlhouse, SNCF)	120 pcs.	05.'08 -

STS 350 UF

VT 642 (MAV, Hungary)	52 pcs. (26x2)	07.'03 - 10.'03
VT 642 (MAV, Hungary)	40 pcs. (20x2)	06.'05 - 11.'05

STS550 PN

Rubin (Metro Nürnberg)	360 +24 pcs.	12.'05 – 01.'08
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STS 550 (Modifications)

Protos (the Netherlands)	36 pcs.	07.'06 - 04.'07
Flirt (Helsinki)	4 + 60 pcs.	08.'08 - 01.'12