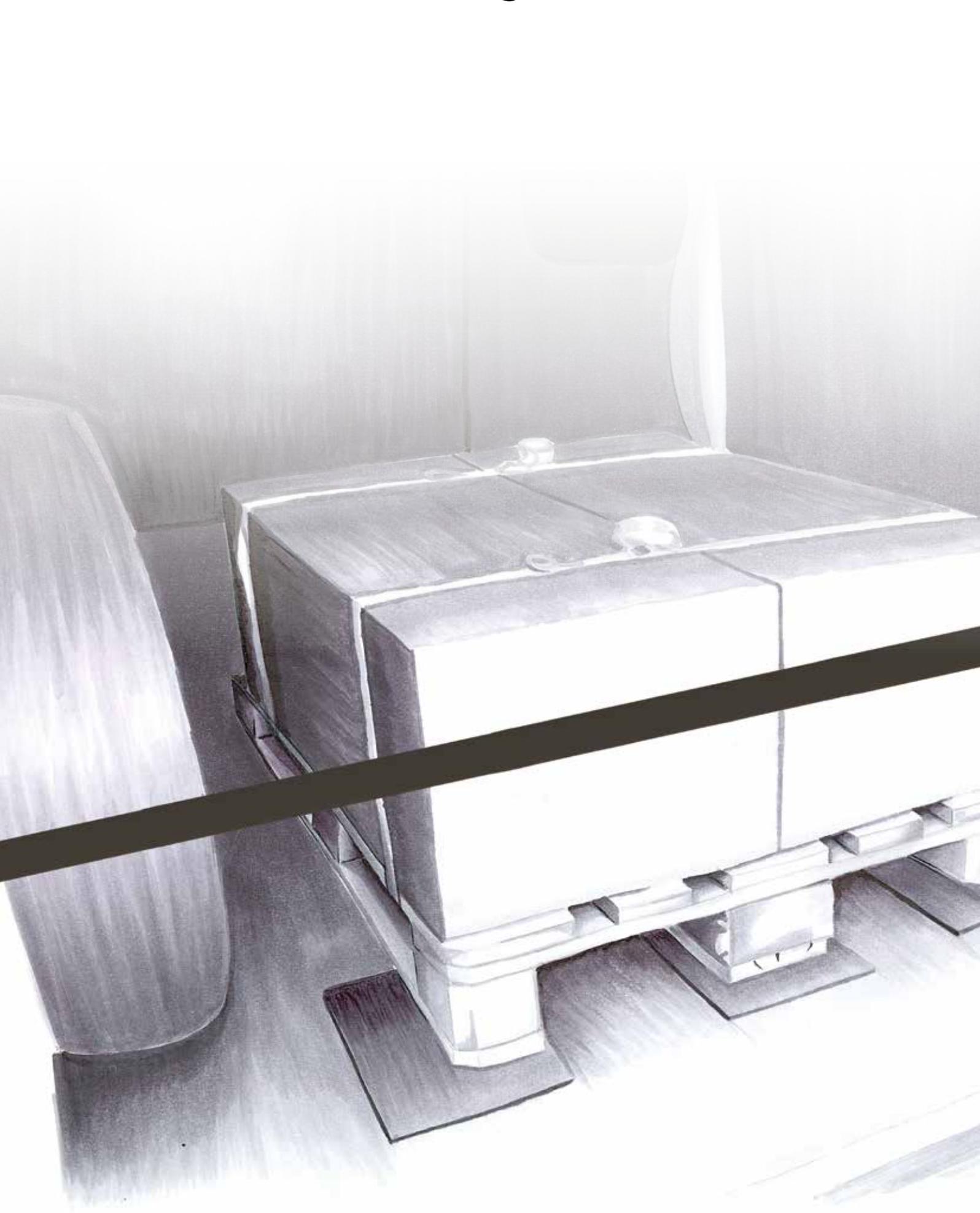


# Mechanical load securing





- With our WISTRA products in the area of mechanical load protection aids we offer quick and safe options of form-fit load securing for the most diverse means of transport.

Many items in this product range were developed in close cooperation with vehicle body manufacturers, the railway, haulage companies, post, parcel services, dispatch departments and others. They have been proven in practice. They distinguish themselves through easy and quick handling and offer optimal load securing through form-fit.

# Airline lashing tracks



The WISTRA airline lashing tracks as well as the accessories are subjected to permanent material and quality tests.

With our constantly expanding design variants, we can offer our customers airline lashing tracks for the most varied applications in transport vehicles, trailers and boxes.

An extensive offer of lashing straps, load securing nets, safeguard, shoring and clamping beam systems, garment transport rails as well as attachment systems and various end caps round off our range.

The WISTRA airline lashing tracks range includes designs with surface finishes like powder or anodised coatings as well as untreated surfaces.

On the next pages you will find already processed versions in the standard range with countersunk holes every 25 mm or every 75 mm.

Special solutions and designs are also available on request.

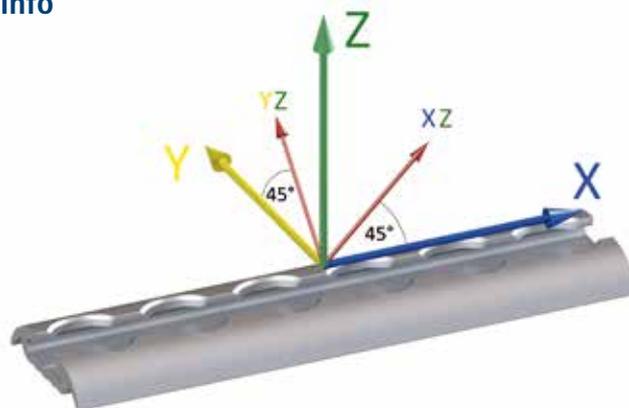
We purposely do not state any standard strength values. The LC values stated for the respective designs for single and double-fittings are determined on our in-house test stand with the stated attachments.

Please keep in mind that the type of connection (screws, rivets, adhesive, etc.) as well as the solidity of the base material (struts, beams, sheet metal, etc.) are decisive for the installation of the airline lashing tracks.

The type of lashing strap and the type of end-fitting (single, double or quadruple) as well as the respective angle are also decisive for the application.

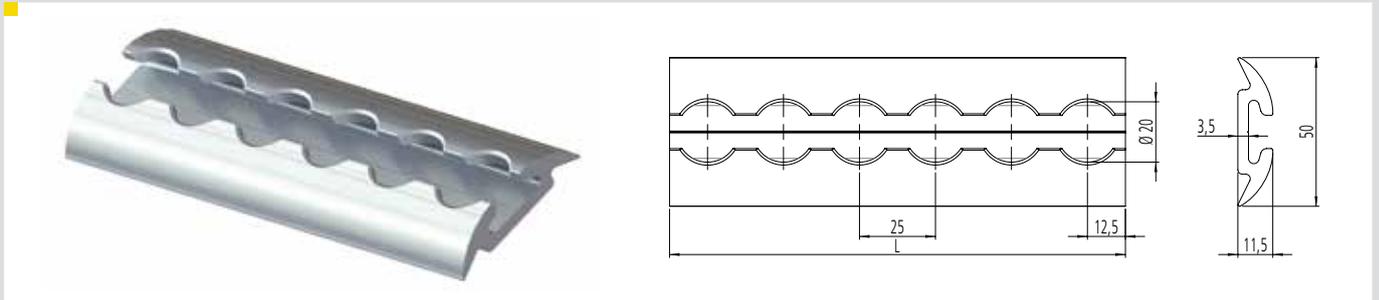
Our sales team will gladly assist you with the right selection.

## WISTRA Info



## Aluminium airline lashing track 5503

Weight: 700 g/m



LC Lashing Capacity		
WIS end-fitting	382	380
Z 90°	500 daN	1,000 daN
X-Z 45°	500 daN	1,000 daN
Y-Z 45°	400 daN	900 daN

Lashing capacity for attachment: every 75 mm centrally with a countersunk screw M6 DIN 7991 10.9

Designation	length	Item No. uncoated	Item No. anodised
Airline lashing track 5503	500 mm	<b>21550320-0500</b>	<b>21550325-0500</b>
Airline lashing track 5503	1,000 mm	<b>21550320-1000</b>	<b>21550325-1000</b>
Airline lashing track 5503	1,975 mm	<b>21550320-1975</b>	<b>21550325-1975</b>
Airline lashing track 5503	2,000 mm	<b>21550320-2000</b>	<b>21550325-2000</b>
Airline lashing track 5503	3,000 mm	<b>21550320-3000</b>	<b>21550325-3000</b>
Airline lashing track 5503	6,000 mm	<b>21550320-6000</b>	<b>21550325-6000</b>

## with 6.5 mm countersunk hole – every 25 mm

Weight: 670 g/m



Designation	length	Item No.
Airline lashing track 5503B25 untreated	1,975 mm	<b>21550320B25-1975</b>
Airline lashing track 5503B25 untreated	3,000 mm	<b>21550320B25-3000</b>
Airline lashing track 5503B25 untreated	6,000 mm	<b>21550320B25-6000</b>
Airline lashing track 5503B25 anodised	1,975 mm	<b>215503B25-1975</b>
Airline lashing track 5503B25 anodised	3,000 mm	<b>215503B25-3000</b>
Airline lashing track 5503B25 anodised	6,000 mm	<b>215503B25-6000</b>
Airline lashing track 5503B25 black powder-coated	1,975 mm	<b>21550315B25-1975</b>
Airline lashing track 5503B25 black powder-coated	3,000 mm	<b>21550315B25-3000</b>
Airline lashing track 5503B25 black powder-coated	6,000 mm	<b>21550315B25-6000</b>

## End caps for airline lashing track 5503



Item No. 215106501240

Plastic, grey RAL 7001



Item No. 215106501540

Plastic, black



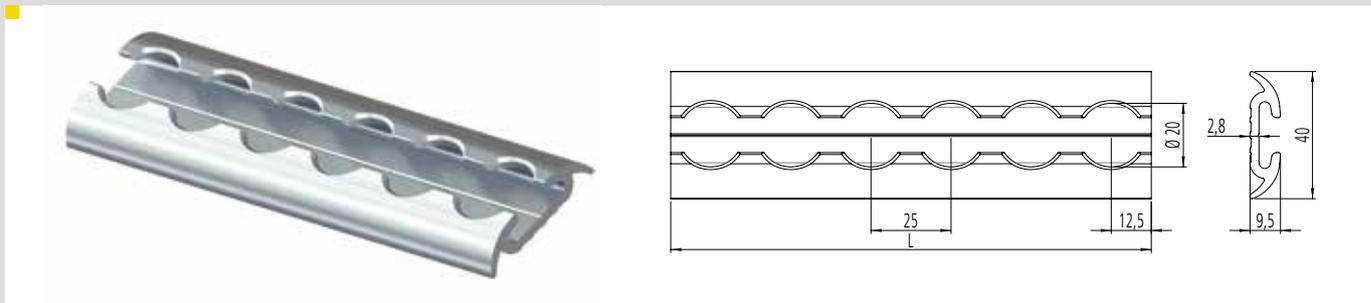
Item No. 215106001540

Clicker without screws  
Plastic, black

Other designs or special lengths on request.

## Aluminium airline lashing track 5513 – slim version

Weight: 420 g/m



LC Lashing Capacity			
WIS end-fitting	382	380	
Z 90°	600 daN	600 daN	
X-Z 45°	500 daN	500 daN	
Y-Z 45°	350 daN	400 daN	

Lashing capacity for attachment: every 75 mm centrally with a countersunk screw M5 DIN 7991 10.9

Designation	length	Item No. uncoated	Item No. anodised
Airline lashing track 5513	500 mm	<b>21551320-0500</b>	<b>auf Anfrage</b>
Airline lashing track 5513	1,000 mm	<b>21551320-1000</b>	<b>auf Anfrage</b>
Airline lashing track 5513	1,975 mm	<b>21551320-1975</b>	<b>auf Anfrage</b>
Airline lashing track 5513	2,000 mm	<b>21551320-2000</b>	<b>auf Anfrage</b>
Airline lashing track 5513	3,000 mm	<b>21551320-3000</b>	<b>auf Anfrage</b>

## End cap for airline lashing track 5513

**Item No. 215113001540**

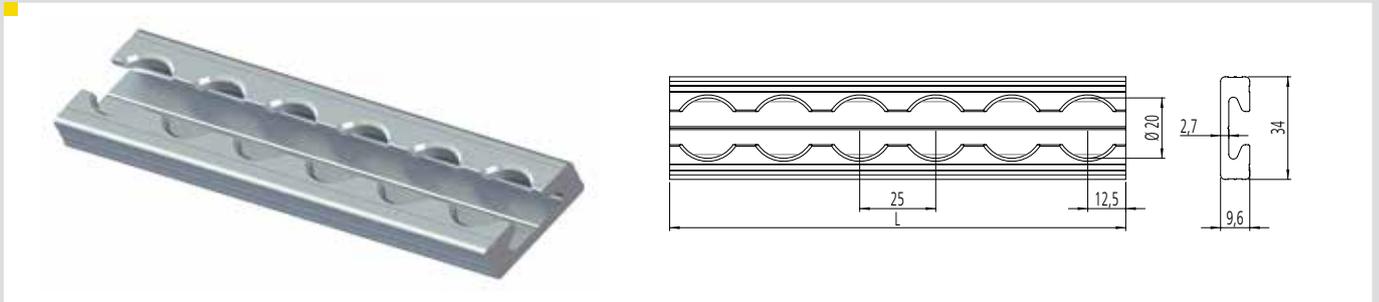
Clicker without screws

Plastic, black

Other designs or special lengths on request.

## Aluminium airline lashing track 5504

Weight: 540 g/m



LC Lashing Capacity		
WIS end-fitting	382	380
Z 90°	500 daN	500 daN
X-Z 45°	500 daN	500 daN
Y-Z 45°	400 daN	400 daN

Lashing capacity for attachment: every 75 mm centrally with a countersunk screw M5 DIN 7991 10.9

Designation	length	Item No. untreated	Item No. anodised
Airline lashing track 5504	500 mm	<b>21550420-0500</b>	<b>21550425-0500</b>
Airline lashing track 5504	1,000 mm	<b>21550420-1000</b>	<b>21550425-1000</b>
Airline lashing track 5504	1,975 mm	<b>21550420-1975</b>	<b>21550425-1975</b>
Airline lashing track 5504	2,000 mm	<b>21550420-2000</b>	<b>21550425-2000</b>
Airline lashing track 5504	3,000 mm	<b>21550420-3000</b>	<b>21550425-3000</b>
Airline lashing track 5504	6,000 mm	<b>21550420-6000</b>	<b>21550425-6000</b>

## with countersunk hole M5 – every 25 mm

Weight: 515 g/m



Designation	length	Item No.
Airline lashing track 5504B25 untreated	1,975 mm	<b>21550420B25-1975</b>
Airline lashing track 5504B25 untreated	3,000 mm	<b>21550420B25-3000</b>
Airline lashing track 5504B25 untreated	6,000 mm	<b>21550420B25-6000</b>
Airline lashing track 5504B25 anodised	1,975 mm	<b>21550425B25-1975</b>
Airline lashing track 5504B25 anodised	3,000 mm	<b>21550425B25-3000</b>
Airline lashing track 5504B25 anodised	6,000 mm	<b>21550425B25-6000</b>
Airline lashing track 5504B25 black powder-coated	1,975 mm	<b>21550415B25-1975</b>
Airline lashing track 5504B25 black powder-coated	3,000 mm	<b>21550415B25-3000</b>
Airline lashing track 5504B25 black powder-coated	6,000 mm	<b>21550415B25-6000</b>

## End caps for airline lashing track 5504



## Item No. 21510341040

Plastic, grey RAL 7001



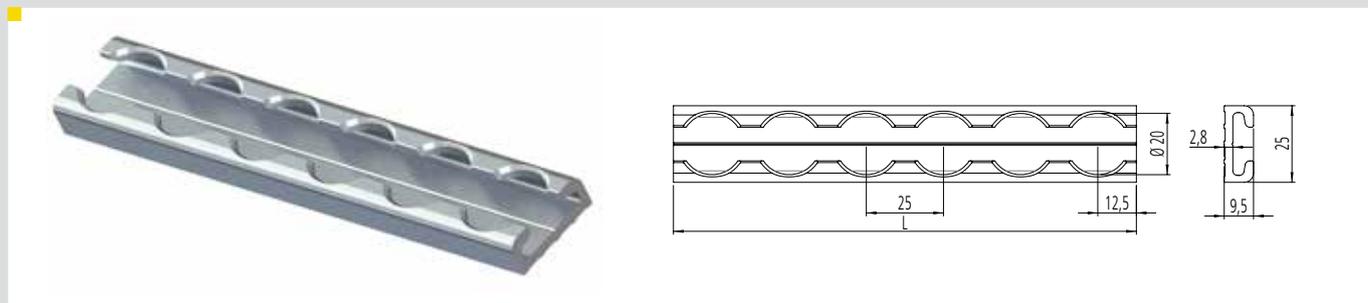
## Item No. 215103001540

Clicker without screws  
Plastic, black

Other designs or special lengths on request.

## Aluminium airline lashing track 5514 – slim version

Weight: 290 g/m



LC Lashing Capacity			
WIS end-fitting	382	380	
Z 90°	450 daN	450 daN	
X-Z 45°	350 daN	400 daN	
Y-Z 45°	250 daN	300 daN	

Lashing capacity for attachment: every 75 mm centrally with a countersunk screw M5 DIN 7991 10.9

Designation	length	Item No. untreated	Item No. anodised
Airline lashing track 5514	500 mm	<b>21551420-0500</b>	<b>on request</b>
Airline lashing track 5514	1,000 mm	<b>21551420-1000</b>	<b>on request</b>
Airline lashing track 5514	1,975 mm	<b>21551420-1975</b>	<b>on request</b>
Airline lashing track 5514	2,000 mm	<b>21551420-2000</b>	<b>on request</b>
Airline lashing track 5514	3,000 mm	<b>21551420-3000</b>	<b>on request</b>

## End cap for airline lashing track 5514

**Item No. 215114001540**

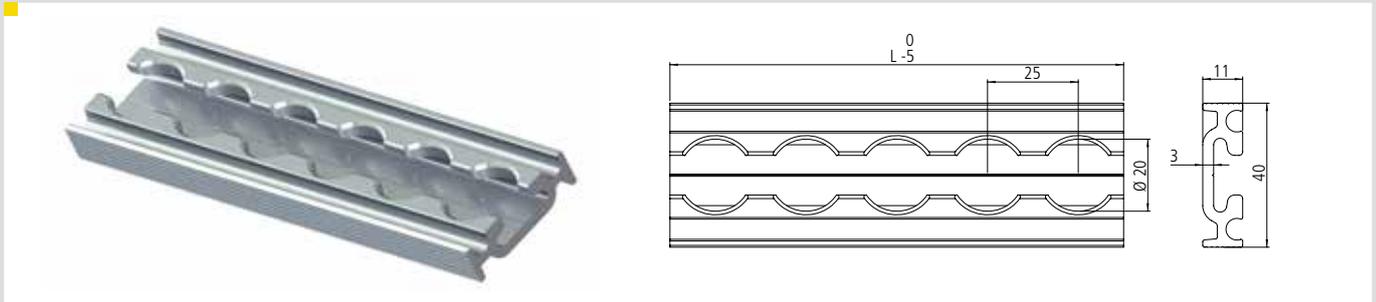
Clicker without screws

Plastic, black

Other designs or special lengths on request.

**Aluminium airline lashing track 5508**

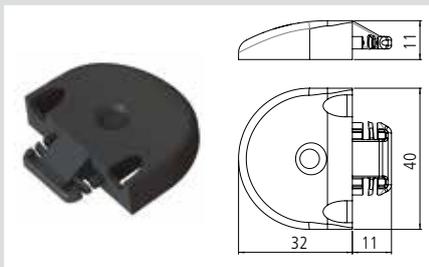
Weight: 560 g/m



LC Lashing Capacity		
WIS end fitting	382	380
Z 90°	500 daN	1,000 daN
X-Z 45°	500 daN	1,000 daN
Y-Z 45°	400 daN	900 daN

LC when attached: every 75mm, centrally with a countersunk screw M6 DIN 7991 10.9

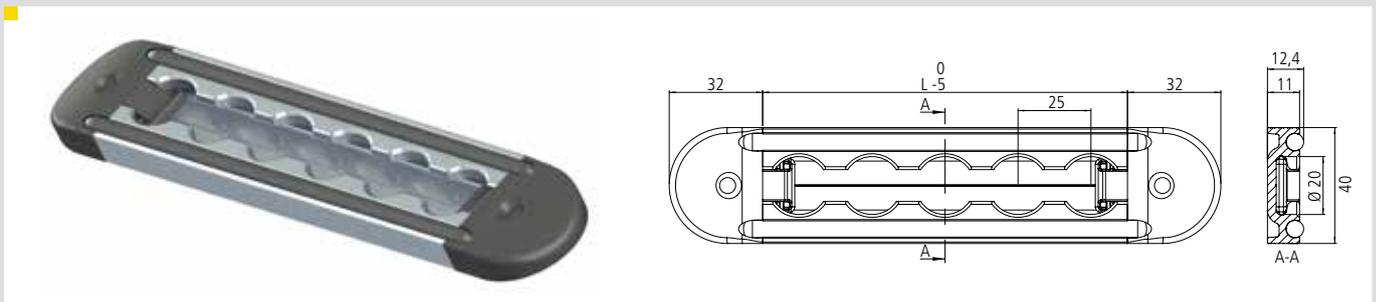
Designation	Length	Item No. uncoated
Airline lashing track 5508	500 mm	<b>21550820-0500</b>
Airline lashing track 5508	1,000 mm	<b>21550820-1000</b>
Airline lashing track 5508	1,975 mm	<b>21550820-1975</b>
Airline lashing track 5508	2,000 mm	<b>21550820-2000</b>
Airline lashing track 5508	3,000 mm	<b>21550820-3000</b>



"Click" end cap for airline lashing track 5508

Accessories	Material/colour	Unit of quantity	Item No.
„Click“ end cap for one-time installation in airline lashing track 5508 Additional screw connection not required.	Plastic, black	Pieces	<b>215104001540</b>
Round rubber band 6 mm	Rubber, black	50 metres	<b>21550800-50000</b>

**Aluminium airline lashing track 5508, cut to specification**

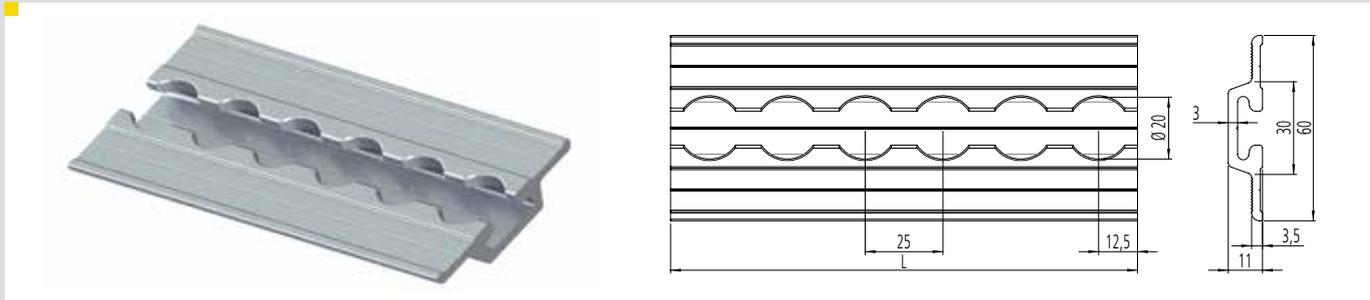


Designation	Length L = airline lashing track cut	Total length	Item No.
Airline lashing track 5508, cut to specification	500 mm	564 mm	<b>21550877-0500</b>
Airline lashing track 5508, cut to specification	1,000 mm	1,064 mm	<b>21550877-1000</b>
Airline lashing track 5508, cut to specification	1,500 mm	1,564 mm	<b>21550877-1500</b>
Airline lashing track 5508, cut to specification	1,900 mm	1,964 mm	<b>21550877-1900</b>
Airline lashing track 5508, cut to specification	2,000 mm	2,064 mm	<b>21550877-2000</b>
Airline lashing track 5508, cut to specification	3,000 mm	3,064 mm	<b>21550877-3000</b>

Other designs or special lengths on request.

## Aluminium airline lashing track 5507

Weight: 680 g/m



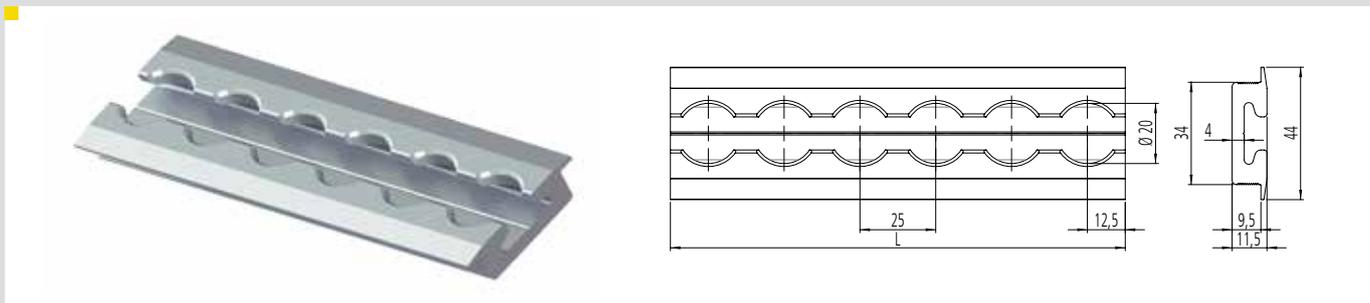
LC Lashing Capacity			
WIS end-fitting	382	380	
Z 90°	500 daN	1,000 daN	
X-Z 45°	500 daN	1,000 daN	
Y-Z 45°	400 daN	900 daN	

Lashing capacity for attachment: every 75 mm centrally with a countersunk screw M6 DIN 7991 10.9

Designation	length	Item No. untreated
Airline lashing track 5507	500 mm	<b>21550720-0500</b>
Airline lashing track 5507	1,000 mm	<b>21550720-1000</b>
Airline lashing track 5507	1,975 mm	<b>21550720-1975</b>
Airline lashing track 5507	2,000 mm	<b>21550720-2000</b>
Airline lashing track 5507	3,000 mm	<b>21550720-3000</b>

## Aluminium airline lashing track 5502

Weight: 730 g/m



LC Lashing Capacity			
WIS end-fitting	379	380	
Z 90°	500 daN	1,000 daN	
X-Z 45°	500 daN	1,000 daN	
Y-Z 45°	400 daN	900 daN	

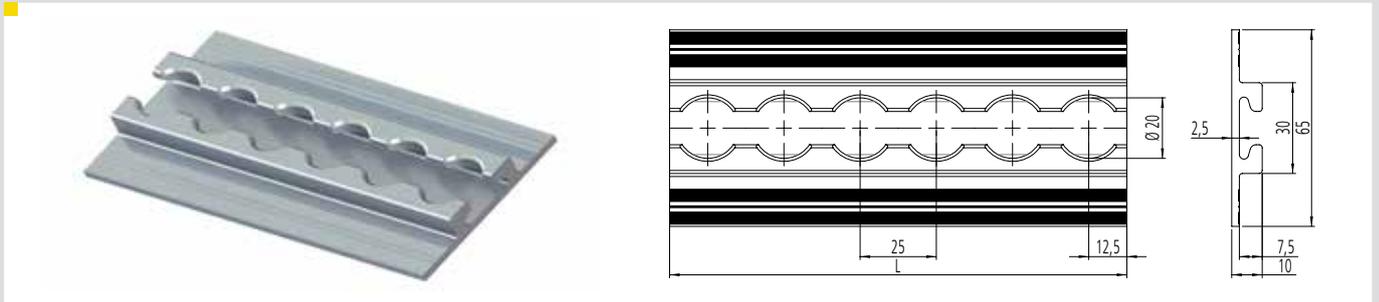
Lashing capacity for attachment: every 75 mm centrally with a countersunk screw M6 DIN 7991 10.9

Designation	length	Item No. untreated	Item No. anodised
Airline lashing track 5502	500 mm	<b>on request</b>	<b>21550225-0500</b>
Airline lashing track 5502	1,000 mm	<b>on request</b>	<b>21550225-1000</b>
Airline lashing track 5502	1,975 mm	<b>on request</b>	<b>21550225-1975</b>
Airline lashing track 5502	2,000 mm	<b>on request</b>	<b>21550225-2000</b>
Airline lashing track 5502	3,000 mm	<b>on request</b>	<b>21550225-3000</b>
Airline lashing track 5502	6,000 mm	<b>on request</b>	<b>21550225-6000</b>

Other designs or special lengths on request.

## Aluminium airline lashing track 5501

Weight: 690 g/m



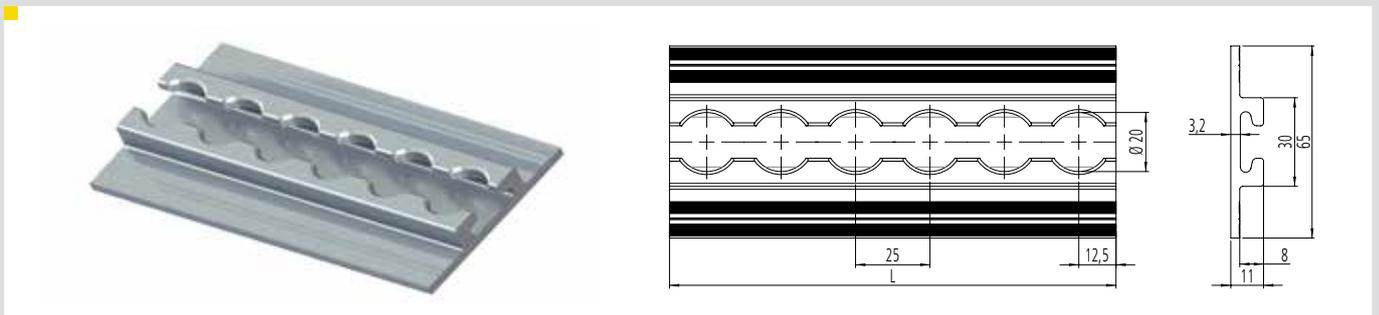
LC Lashing Capacity		
WIS end-fitting	382	380
Z 90°	500 daN	500 daN
X-Z 45°	500 daN	500 daN
Y-Z 45°	400 daN	400 daN

Lashing capacity for attachment: every 75 mm oppositely with a countersunk screw M6 DIN 7380 8.8

Designation	length	Item No. untreated	Item No. anodised
Airline lashing track 5501	500 mm	<b>on request</b>	<b>21550125-0500</b>
Airline lashing track 5501	1,000 mm	<b>on request</b>	<b>21550125-1000</b>
Airline lashing track 5501	1,975 mm	<b>on request</b>	<b>21550125-1975</b>
Airline lashing track 5501	2,000 mm	<b>on request</b>	<b>21550125-2000</b>
Airline lashing track 5501	3,000 mm	<b>on request</b>	<b>21550125-3000</b>
Airline lashing track 5501	6,000 mm	<b>on request</b>	<b>21550125-6000</b>

## Aluminium airline lashing track 5510

Weight: 800 g/m



LC Lashing Capacity		
WIS end-fitting	382	380
Z 90°	500 daN	1000 daN
X-Z 45°	500 daN	1000 daN
Y-Z 45°	400 daN	900 daN

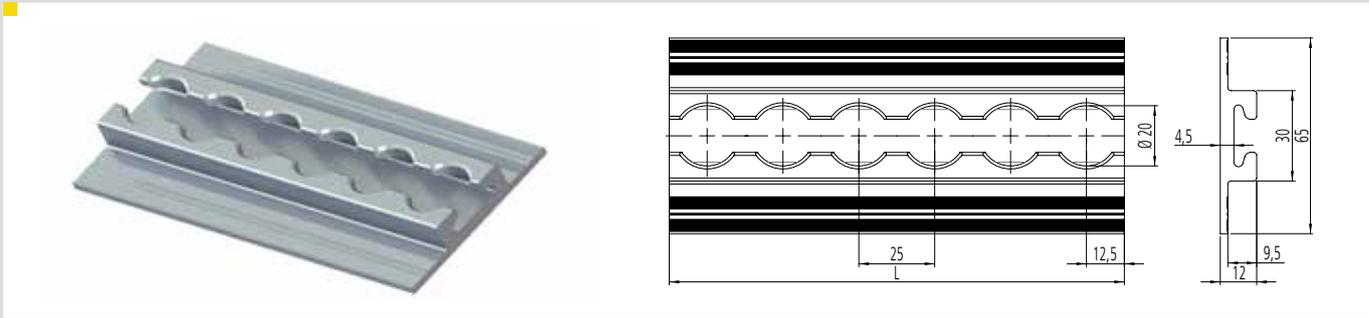
Lashing capacity for attachment: every 75 mm oppositely with a countersunk screw M6 DIN 7380 8.8

Designation	Länge	Item No. untreated	Item No. anodised
Airline lashing track 5510	500 mm	<b>21551020-0500</b>	<b>on request</b>
Airline lashing track 5510	1,000 mm	<b>21551020-1000</b>	<b>on request</b>
Airline lashing track 5510	1,975 mm	<b>21551020-1975</b>	<b>on request</b>
Airline lashing track 5510	2,000 mm	<b>21551020-2000</b>	<b>on request</b>
Airline lashing track 5510	3,000 mm	<b>21551020-3000</b>	<b>on request</b>
Airline lashing track 5510	6,000 mm	<b>on request</b>	<b>on request</b>

Other designs or special lengths on request.

## Aluminium airline lashing track 5506

Weight: 860 g/m



LC Lashing Capacity		
WIS end-fitting	382	380
Z 90°	500 daN	1000 daN
X-Z 45°	500 daN	1000 daN
Y-Z 45°	400 daN	900 daN

Lashing capacity for attachment: every 75 mm oppositely with a countersunk screw M6 DIN 7380 8.8

Designation	length	Item No. untreated	Item No. anodised
Airline lashing track 5506	500 mm	on request	21550625-0500
Airline lashing track 5506	1,000 mm	on request	21550625-1000
Airline lashing track 5506	1,975 mm	on request	21550625-1975
Airline lashing track 5506	2,000 mm	on request	21550625-2000
Airline lashing track 5506	3,000 mm	on request	21550625-3000
Airline lashing track 5506	6,000 mm	on request	21550625-6000

## End cap for airline lashing track 5506

**Item No. 215105001540**

Clicker without screws  
Plastic, black

Other designs or special lengths on request.

# Lashing points

## Lashing point

Item No.: 24 315 00 000 12



LC = 800 daN  
Material: Steel electroplated  
Weight: 0.5 kg  
EN 12640-8

## Lashing point

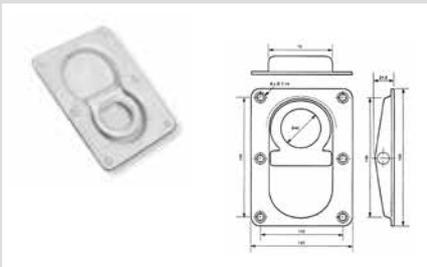
Item No.: 24 317 00 000 12



LC = 2,000 daN  
Material: Steel electroplated  
Weight:

## Lashing point

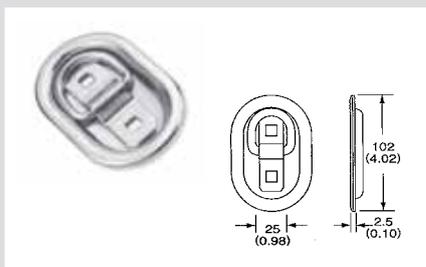
Item No.: 24 330 00 000 12



LC = 800 daN  
Material: Steel hot-dip galvanised  
Weight: 0.54 kg  
EN 12640-8

## Lashing point

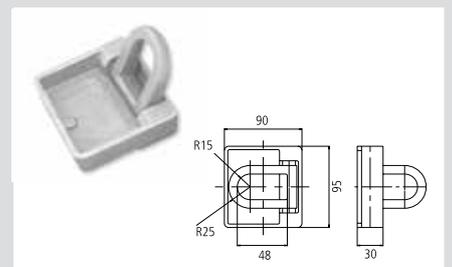
Item No.: 24 360 00 000 12



LC = 350 daN  
Material: Steel electroplated  
Weight: 0.18 kg

## Lashing point

Item No.: 24 370 00 000 10



LC = 2,500 daN  
Material: steel  
Weight: 0.88 kg

## Airline version, aluminium



Item No. 21 5400 00 10 20

Standard length: 45 mm  
Weight: 0.037 kg

LC Lashing Capacity	
WIS end-fitting	382
Z 90°	300 daN
X-Z 45°	300 daN
Y-Z 45°	300 daN

Lashing capacity for attachment:  
with 4 head screws M4 DIN 7380 8.8

## Airline lashing point



Item No. 21 5601 25

Material: Aluminium, with 2 drill holes  
20 mm round shape

LC Lashing Capacity	
WIS end-fitting	382
Z 90°	500 daN
X-Z 45°	500 daN
Y-Z 45°	500 daN

Lashing capacity for attachment:  
with 2 countersunk screws M5 DIN 7991 10.9

# Airline accessories

## Airline Track Cover Profile



### Item No. 21 5109 01-1975

Standard length: 1,975 mm  
Weight: 0.275 kg  
Plastic, grey RAL 7035

## Storage rill



### Item No. 215110010

for two Airline Beams  
Unit: Set (=2 pieces)

## Hook 527



### Item No. 140000052700

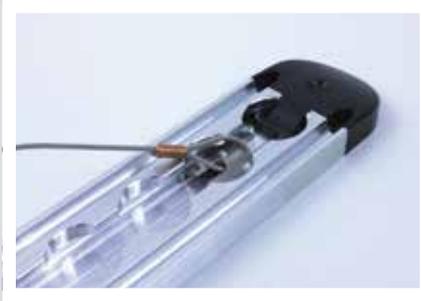
50 kg hooks for end fitting 382  
for hanging up jackets, tools, etc.

## Removal protection for end fitting 382



### Item No. 143820101

End fitting 382 with locking rope



### Item No. 21511225

Locking plate (moving freely in the  
airline track)

## WIS airline lashing tracks cleaning brush



### Item No. 160014

## Plastic protective plug, black



### Item No. 21510100

**T-nut****Item No. 215108200612**

T-nut, electroplated  
2x M6 threads  
(without screws)

**T-nut****Item No. 215108300612**

T-nut, electroplated  
3x M6 threads  
(without screws)

**Screw fitting 5107****Item No. 21510725**

Screw fitting M8 electroplated 8.8 for  
airline lashing track  
consisting of: clamping bracket, screw, nut

**Screw fitting 5108****Item No. 21510825**

Screw fitting M8 electroplated Version for airline  
lashing tracks  
consisting of: clamping bracket, screw, star grip

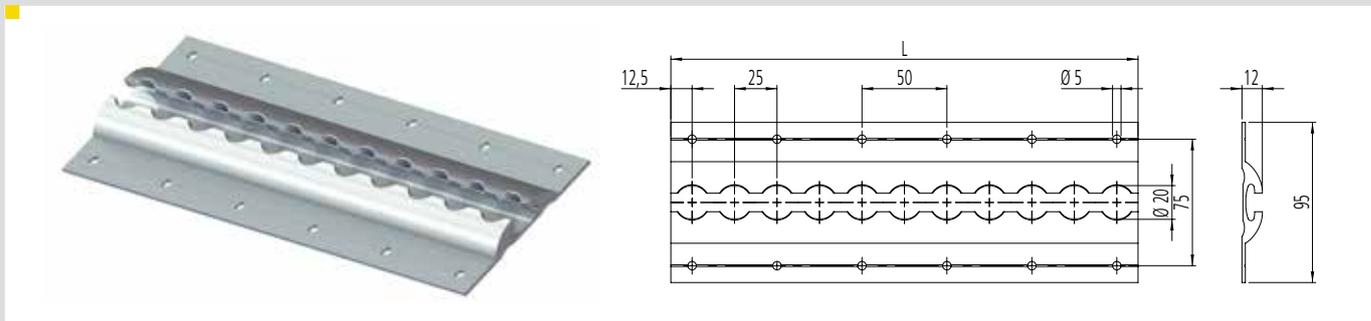
Special screw	Effective thread length	Item No.
M8 x 25	15 mm	<b>21510724</b>
M8 x 30	20 mm	<b>21510725</b>
M8 x 40	30 mm	<b>21510726</b>
M8 x 60	50 mm	<b>21510727</b>

Special screw	Effective thread length	Item No.
M8 x 25	15 mm	<b>21510824</b>
M8 x 30	20 mm	<b>21510825</b>
M8 x 40	30 mm	<b>21510826</b>
M8 x 60	50 mm	<b>21510827</b>

## Airline lashing lashing tracks, processed

### Aluminium airline lashing track 5000

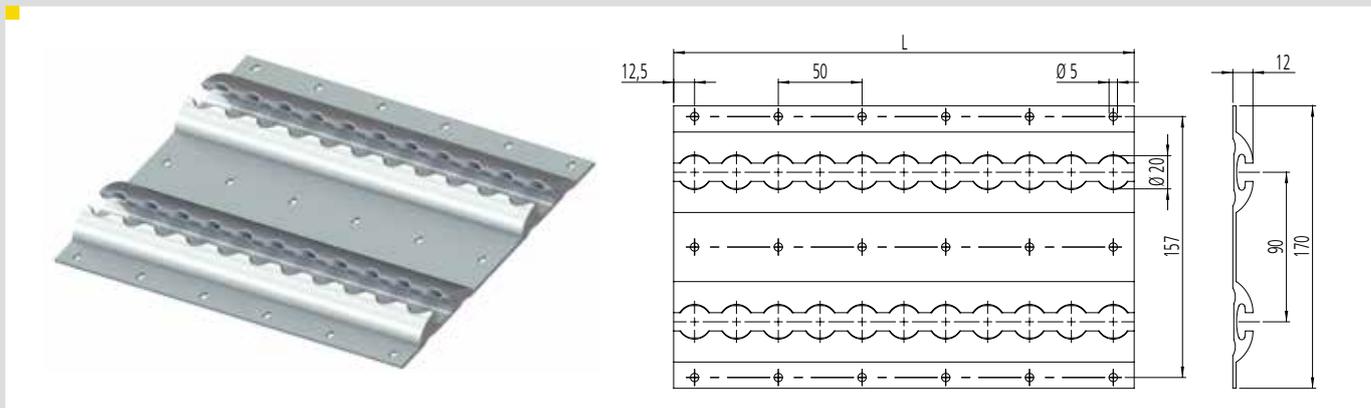
Weight: 975 g/m



Designation	length	Item No.
Airline lashing track 5000 untreated	1,975 mm	<b>21500020-1975</b>

### Aluminium airline lashing track 5020

Weight: 1850 g/m



Designation	length	Item No.
Airline lashing track 5020 untreated	1,975 mm	<b>21502020-1975</b>

### Steel airline lashing track 5001



Designation	Item No.
Steel galvanised	<b>215001312012</b>

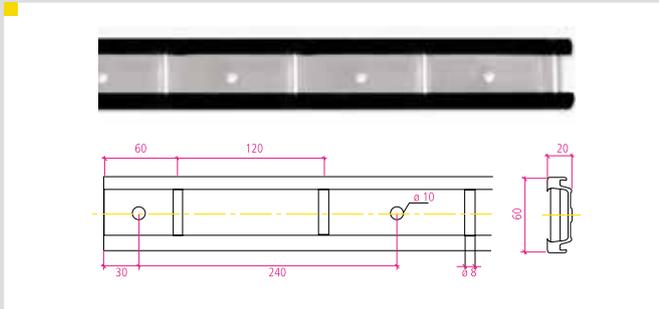
Standard length: 2,400 mm

### WISTRA Info

Cannot be used with all end fittings or accessories.

# Track with pins

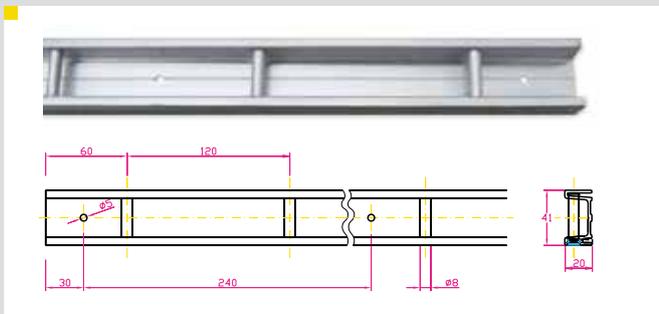
## Aluminium track with pins 4710 with rubber protection



Pin diameter 8 mm

Designation	length	Item No.
Track with pins 4710	500 mm	<b>21471020-0500</b>
Track with pins 4710	1000 mm	<b>21471020-1000</b>
Track with pins 4710	1,500 mm	<b>21471020-1500</b>
Track with pins 4710	1,980 mm	<b>21471020-1980</b>
Track with pins 4710	2,000 mm	<b>21471020-2000</b>
Track with pins 4710	3,000 mm	<b>21471020-3000</b>
Track with pins 4710	4,000 mm	<b>21471020-4000</b>
Track with pins 4710	5,000 mm	<b>21471020-5000</b>
Track with pins 4710	6,000 mm	<b>21471020-6000</b>

## Aluminium track with pins 4720



Pin diameter 8 mm

Designation	length	Item No.
Track with pins 4720	500 mm	<b>21472020-0500</b>
Track with pins 4720	1000 mm	<b>21472020-1000</b>
Track with pins 4720	1,500 mm	<b>21472020-1500</b>
Track with pins 4720	1,980 mm	<b>21472020-1980</b>
Track with pins 4720	2,000 mm	<b>21472020-2000</b>
Track with pins 4720	3,000 mm	<b>21472020-3000</b>
Track with pins 4720	4,000 mm	<b>21472020-4000</b>
Track with pins 4720	5,000 mm	<b>21472020-5000</b>
Track with pins 4720	6,000 mm	<b>21472020-6000</b>

## End cap for lashing track with pins 4710



**Item No. 212106662240**  
Plastic, grey RAL 7001

## End cap for lashing track with pins 4710



**Item No. 212106661540**  
Plastic, black

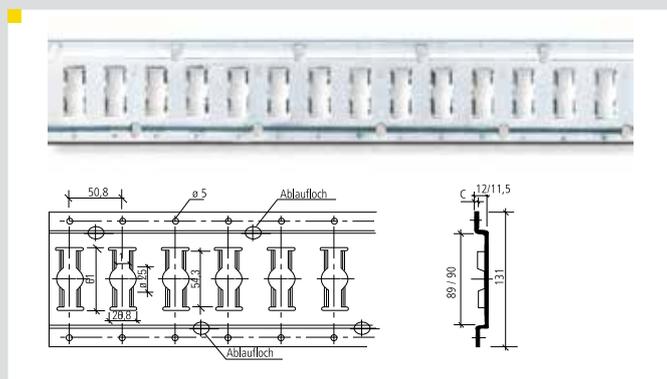
## End cap for lashing track with pins 4720



**Item No. 212106462040**  
Plastic, grey RAL 7001

## Lashing tracks

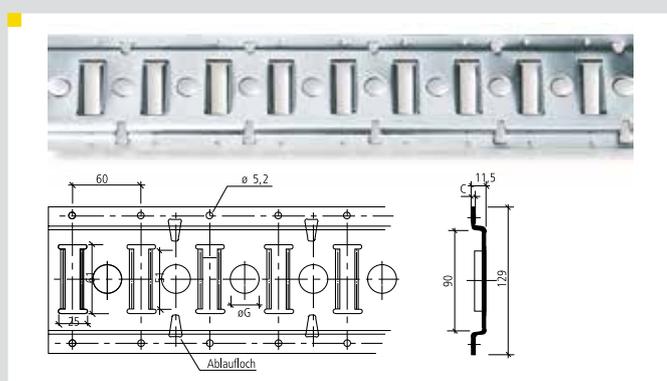
### Anchor combi lashing track 3009



Designation	Dimension C	Item No.
Steel galvanised	2.5 mm	<b>213009250012</b>
Steel galvanised	3.0 mm	<b>213009300012</b>
Steel hot-dip galvanised	2.5 mm	<b>213009250014</b>
Steel hot-dip galvanised	3.0 mm	<b>213009300014</b>
Stainless steel	2.5 mm	<b>213009250030</b>
Aluminium	3.0 mm	<b>213009300020</b>

Standard length: 3,000 mm

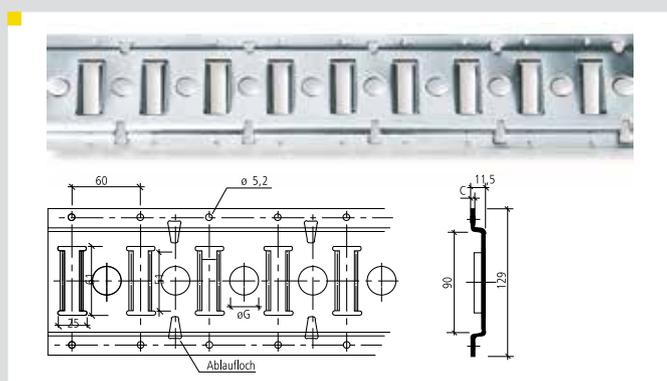
### Anchor combi lashing track 3008 with 20 mm hole size



Designation	Dimension C	Item No.
Steel galvanised	2.5 mm	<b>213008252012</b>
Steel galvanised	3.0 mm	<b>213008302012</b>
Steel hot-dip galvanised	2.5 mm	<b>213008252014</b>
Steel hot-dip galvanised	3.0 mm	<b>213008302014</b>
Stainless steel	2.5 mm	<b>213008252030</b>
Aluminium	3.0 mm	<b>213008302020</b>

Standard length: 3,000 mm

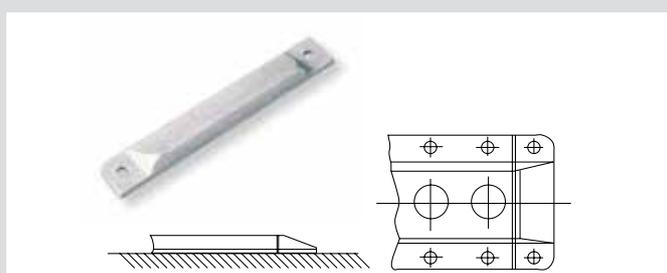
### Anchor combi lashing track 3008 with 25 mm hole size



Designation	Dimension C	Item No.
Steel galvanised	2.5 mm	<b>213008252512</b>
Steel galvanised	3.0 mm	<b>213008302512</b>
Steel hot-dip galvanised	2.5 mm	<b>213008252514</b>
Steel hot-dip galvanised	3.0 mm	<b>213008302514</b>
Stainless steel	2.5 mm	<b>213008252530</b>
Aluminium	3.0 mm	<b>213008302520</b>

Standard length: 3,000 mm

### End cap for lashing tracks

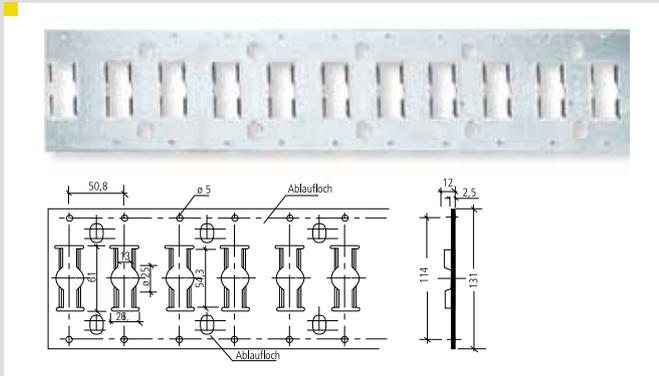


#### Item No. 212109951240

Plastic, grey RAL 7001  
for lashing tracks 3008, 3009

Special lengths on request.

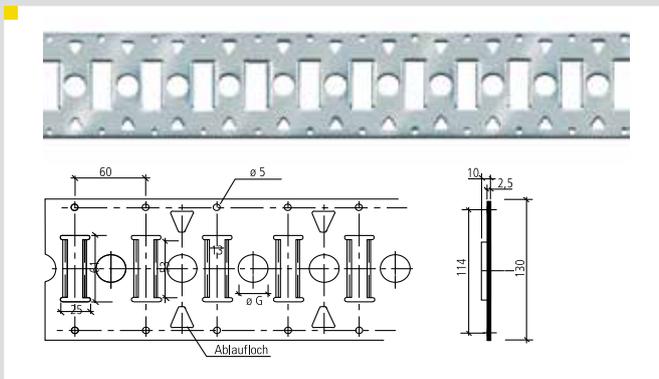
### Anchor combi lashing track 3109



Designation	Dimension C	Item No.
Steel galvanised	2.5 mm	<b>213109250012</b>
Stainless steel	2.5 mm	<b>213109250030</b>

Standard length: 3,000 mm

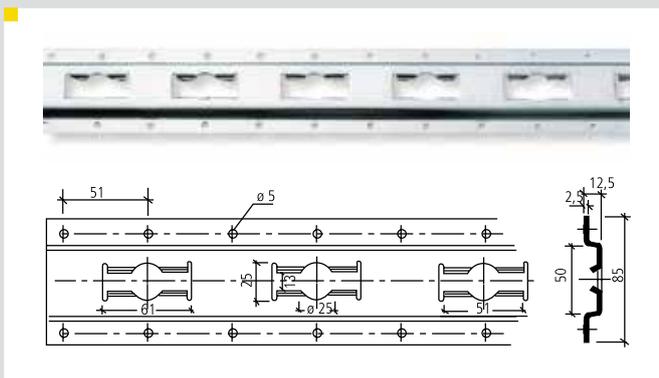
### Anchor combi lashing track 3108



Designation	Dimension C	Item No.
<b>with hole size 20 mm</b>		
Steel galvanised	2.5 mm	<b>213108252012</b>
Stainless steel	2.5 mm	<b>213108252030</b>
<b>with hole size 25 mm</b>		
Steel galvanised	2.5 mm	<b>213108252512</b>
Stainless steel	2.5 mm	<b>213108252530</b>

Standard length: 3,000 mm

### Anchor combi lashing track 2010



Designation	Dimension C	Item No.
Steel galvanised	2.5 mm	<b>212010250812</b>

Standard length: 2,400 mm

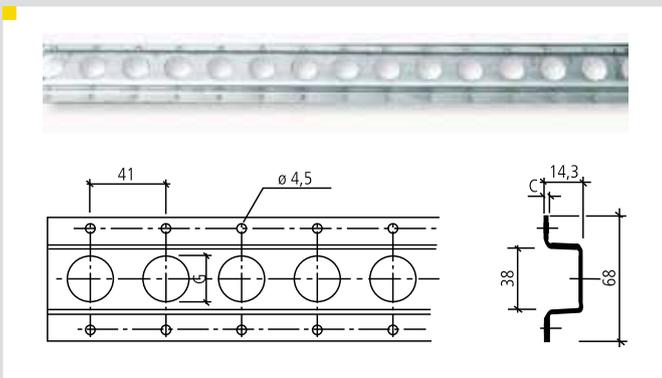
Special lengths on request.

### Round hole lashing track 1805



Designation	Dimension C	Item No.
with hole size 20 mm		
Steel galvanised	1.8 mm	<b>211805182012</b>
Steel galvanised	2.0 mm	<b>211805202012</b>
with hole size 25 mm		
Steel galvanised	1.8 mm	<b>211805182512</b>
Steel galvanised	2.0 mm	<b>211805202512</b>

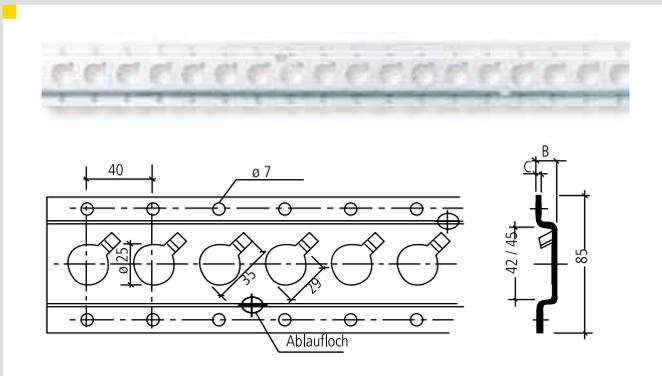
Standard length: 3,000 mm



Designation	Dimension C	Item No.
with hole size 25 mm		
Steel galvanised	2.0 mm	<b>211805122512</b>

Standard length: 30,00 mm

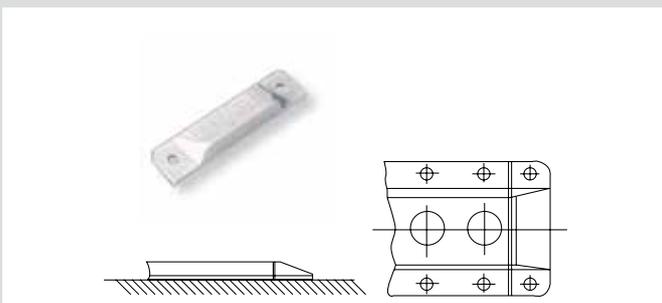
### Round hole lashing track 1806 with cut-out



Designation	Dimension C	Item No.
with mounting height 12 mm (dimension B)		
Steel galvanised	2.5 mm	<b>211806251212</b>
Steel galvanised	3.0 mm	<b>211806301212</b>
Stainless steel	2.0 mm	<b>211806201230</b>
with mounting height 15 mm (dimension B)		
Steel galvanised	2.0 mm	<b>211806201552</b>
Steel galvanised	2.5 mm	<b>211806251512</b>
Stainless steel	2.0 mm	<b>211806201530</b>

Standard length: 3,000 mm

### End cap for lashing tracks



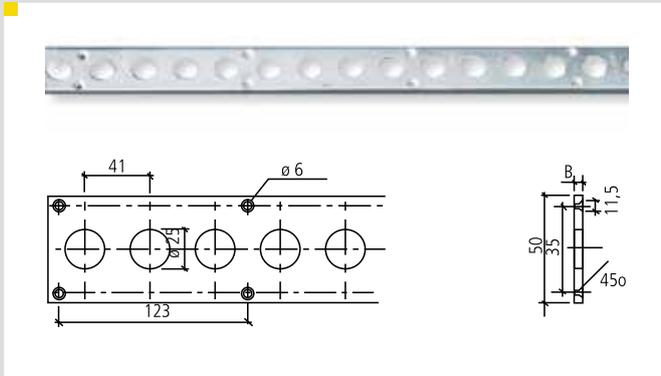
**Item No. 212106501240**

Plastic, grey RAL 7001

e.g. for lashing tracks 1806

Special lengths on request.

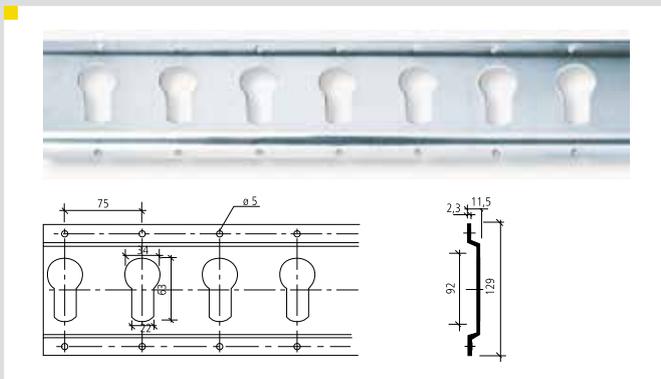
### Round hole lashing track 3004



Designation	Dimension B	Item No.
Steel galvanised	5 mm	<b>213004502512</b>
Aluminium	6 mm	<b>213004602520</b>

Standard length: 3,000 mm

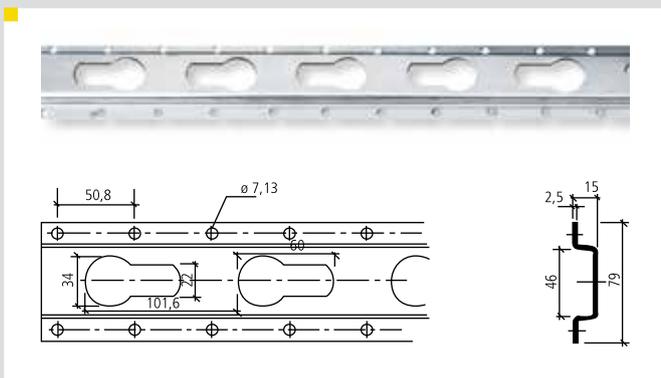
### Key-hole lashing track 1803 horizontal



Designation	Dimension C	Item No.
Steel galvanised	2.3 mm	<b>211803200852</b>

Standard length: 3,000 mm

### Key-hole lashing track 1803 vertical



Designation	Dimension C	Item No.
Steel galvanised	2.5 mm	<b>211803200152</b>

Standard length: 3,000 mm

Special lengths on request.

# WISTRA parting walls and parting grids

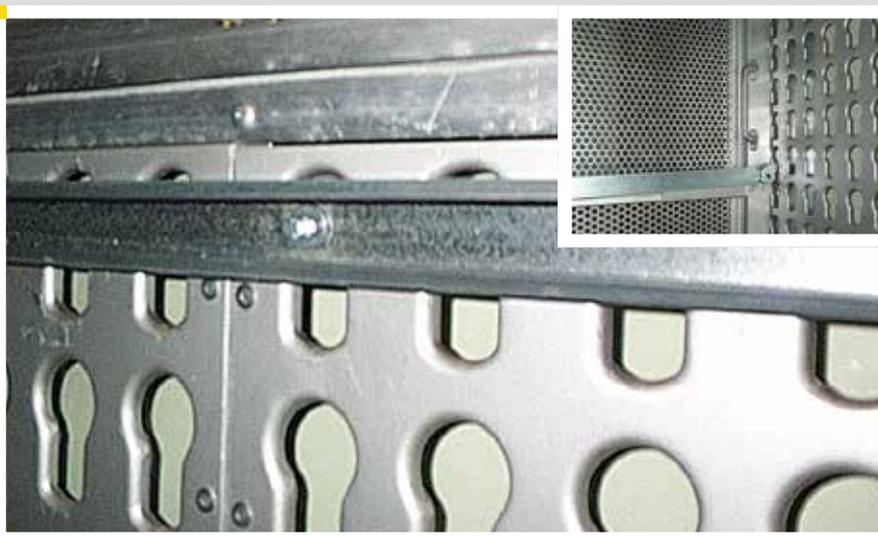
The WISTRA parting walls and parting grids are manufactured according to individual customer requirements and application purposes.

They can fulfil different functions like:

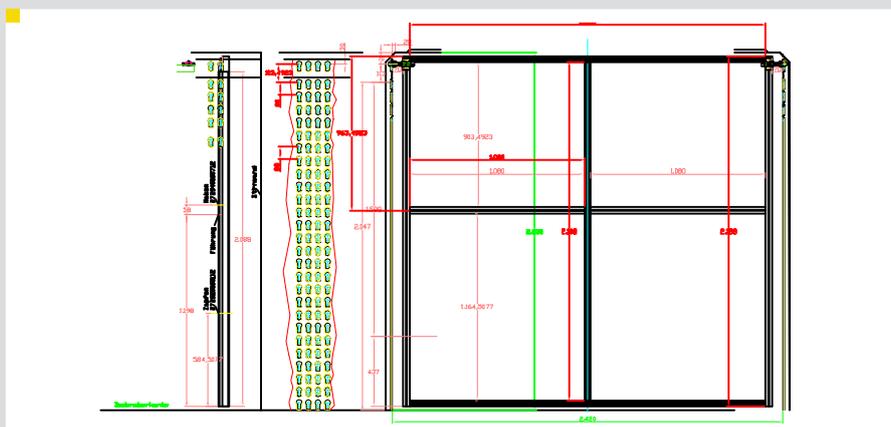
- local partition by means of frame and tarpaulin
- local partition by means of hole sheet panel guided by rolls and upward tilting
- parting grids as cargo control

## WISTRA Info

Can be supplied in all sizes



Successfully implemented:



## WISTRA Safepart Theft protected partitioning of cargo space

### Version

- integrated theft protection
- easy partitioning of partial lots at low costs
- spatial and visual partitioning
- easy to mount and remove
- variable for commercial hole panel walls and lashing tracks
- lightweight – can be rolled up if not in use



# WISTRA cold safe wall



A division is possible for large cold safe walls. The cold safe wall shown here is additionally fixed to the existing lashing tracks.

The new cold safe wall separates the storage room of refrigerated vehicles into different temperature zones. The flexibility of the used vehicles are thereby increased, as for example deep-frozen goods and fresh fruits can be transported in one vehicle.

The energy consumption is further reduced by the need-based separation into different temperature zones.

Temperature zones for deep freezer, refrigerator and normal temperature are required for the transport of foodstuffs.

The transport of easily perishable foodstuff in international transport requires vehicle structures with a valid ATP certificate, e.g. an FRC classification is used.

The middle letter stands for thermal insulation.

- Moveable light cold safe wall
- Customisation in required number of pieces
- With two-side carry straps
- Hygienic PVC outer wrapping
- Lateral seals for complete seating
- Clamped on the vehicle body without any tools

N: Normal thermal insulation with a K value  $\leq 0.7 \text{ W/(m}^2\cdot\text{K)}$

R: Increased thermal insulation with a K value  $\leq 0.4 \text{ W/(m}^2\cdot\text{K)}$

The WISTRA cold safe walls have a K value of  $0.4 \text{ W/(m}^2\cdot\text{K)}$



Due to the multi-layered structure the cold safe walls are easy to handle and rugged in application. The bottom edge is constructed as a shock-proof base edge.

The total wall thickness is 70 mm with a 50 mm thick PUR rigid foam core inside.

The lateral seals fix the cold safe wall at the same time.

The cold safe walls are custom-made.

Special colours and markings are possible on request.



When ordering please specify:

- B Clear inside width between the inner walls
- H Clear inside height between ceiling and floor
- H1 If applicable, central lashing track height and specification of the lashing track type
- H2 ditto

Parting: 1/2 and 1/2 or 2/3 and 1/3, attach drawing if applicable

Delineation of all components located in the clearance of B and H with dimensioning of the position and output.

Description of all specifications required for the production and application.

For vehicles and structures with curved walls, please dimension the contour accurately and provide a template.

# WISTRA form-fit calculations

## Form-fit load securing

by directly attaching the load unit for instance to the front head wall, side walls, decking beams, shoring beams, cargo bars, cargo against each other, filling of voids with intermediate constructions of other load securing aids as well as slanted / diagonal / horizontal lashings.

- Vertical movement of the load units may possibly require additional load securing measures!
- Observe the maximum vehicle load capacity and the allowed load distribution.
- The load units are designed for the possible pressure in the areas where the form-fit attaches!



Form-fit (with even loading) according to DIN EN 12195-1:2004/VDI 2700 ff

- Calculated with acceleration coefficient 0.8 and 0.5
- $\mu D$  = dynamic sliding friction coefficient

Blocking capacity of the form-fit	Maximum weight of the load unit/s					
	for $\mu D$ 0.2		for $\mu D$ 0.4		for $\mu D$ 0.6	
	0.8	0.5	0.8	0.5	0.8	0.5
50 daN	80 kg	160 kg	120 kg	500 kg	250 kg	*)
100 daN	160 kg	330 kg	250 kg	1,000 kg	500 kg	*)
150 daN	250 kg	500 kg	370 kg	1,500 kg	750 kg	*)
200 daN	330 kg	660 kg	500 kg	2,000 kg	1,000 kg	*)
250 daN	410 kg	830 kg	620 kg	2,500 kg	1,250 kg	*)
300 daN	500 kg	1,000 kg	750 kg	3,000 kg	1,500 kg	*)
350 daN	580 kg	1,160 kg	870 kg	3,500 kg	1,750 kg	*)
400 daN	660 kg	1,330 kg	1,000 kg	4,000 kg	2,000 kg	*)
450 daN	750 kg	1,500 kg	1,120 kg	4,500 kg	2,250 kg	*)
500 daN	830 kg	1,660 kg	1,250 kg	5,000 kg	2,500 kg	*)
550 daN	910 kg	1,830 kg	1,370 kg	5,500 kg	2,750 kg	*)
600 daN	1,000 kg	2,000 kg	1,500 kg	6,000 kg	3,000 kg	*)
650 daN	1,080 kg	2,160 kg	1,620 kg	6,500 kg	3,250 kg	*)
750 daN	1,250 kg	2,500 kg	1,870 kg	7,500 kg	3,750 kg	*)
800 daN	1,330 kg	2,660 kg	2,000 kg	8,000 kg	4,000 kg	*)
900 daN	1,500 kg	3,000 kg	2,250 kg	9,000 kg	4,500 kg	*)
1,000 daN	1,660 kg	3,330 kg	2,500 kg	10,000 kg	5,000 kg	*)
1,250 daN	2,080 kg	4,160 kg	3,120 kg	12,500 kg	6,250 kg	*)
1,500 daN	2,500 kg	5,000 kg	3,750 kg	15,000 kg	7,500 kg	*)
1,750 daN	2,910 kg	5,830 kg	4,370 kg	17,500 kg	8,750 kg	*)
2,000 daN	3,330 kg	6,660 kg	5,000 kg	20,000 kg	10,000 kg	*)
3,000 daN	5,000 kg	10,000 kg	7,500 kg	30,000 kg	15,000 kg	*)
4,000 daN	6,660 kg	13,330 kg	10,000 kg	40,000 kg	20,000 kg	*)
5,000 daN	8,330 kg	16,660 kg	12,500 kg	50,000 kg	25,000 kg	*)

\*) The maximum load unit weight is directly related to the maximum load capacity and the allowed load distribution of the vehicle. The acceleration coefficient is smaller than the dynamic sliding friction coefficient  $\mu D$

# Shoring beam

## WISTRA Aluminium COMBI-BEAM 1858

Design with black PVC coating



The COMBI-BEAM 1858 + 1859 is a WISTRA development with focus on user-friendliness and gentle application in pressure-sensitive vehicle sections.

- Design for anchor combination lashing tracks
- Round aluminium locking bar: Design 1858 with black PVC coating design 1859 without PVC coating
- without spring action

- Design 1858 supporting tube diameter 42 mm plus PVC coating = 47 mm
- Design 1859 supporting tube diameter 42 mm
- specially suited for the „cooler“ section and on the basis of the applied materials, explosion protection classification is possible.
- Plastic end pieces with stainless steel latch

Without pressure on the vehicle body



	Advantages		
	for the user	for the transport vehicle/the load	compared to similar products
In connection with anti-slip materials, loads up to 2,000 kg can be secured in driving direction with one COMBI-BEAM.	X	X	X
Extensive technical documentation/operation manual	X		X
Easy telescoping, up to 70mm by standard	X		X
No bulging operating elements in the complete application area	X	X	X
Silent design with plastic centring piece	X		X
<b>Design 1858</b> Supporting tube with PVC coating for comfortable handling even in cold outside temperatures, as well as for protection of the load	X	X	X
The COMBI pins on both sides latch into the COMBI lashing track.	X	X	X
The COMBI pins do not damage the material within the lashing track.	X	X	X
Insertion of the COMBI-BEAM by the user does not require simultaneous application of pressure.	X	X	X
The COMBI pins cannot slide out because they lock into place when pressure is applied on the side wall.	X	X	X
Based on the locking in the COMBI lashing track, the system does not damage the transport vehicle.	X	X	X
High-quality product designation affixed to the telescope	X		X

Designation	Equipment	for inside dimension	Marking	Blocking force*)	Item No.
COMBI-BEAM 1858	with PVC coating	2,430 - 2,500 mm	WIS label	400 daN	<b>221858-2430</b>
COMBI-BEAM 1858	with PVC coating	2,430 - 2,500 mm	Customer label	400 daN	<b>221858999-2430</b>
COMBI-BEAM 1858	with PVC coating	Special length of 458 mm to 6,000 mm (70 mm adjusting range)	WIS label	on request depending on length	<b>on request</b>
COMBI-BEAM 1858	with PVC coating	Special length of 458 mm to 6,000 mm (70 mm adjusting range)	Customer label	on request depending on length	<b>on request</b>



## WISTRA Aluminium COMBI-BEAM 1859

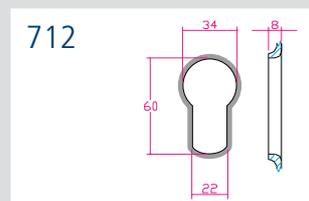
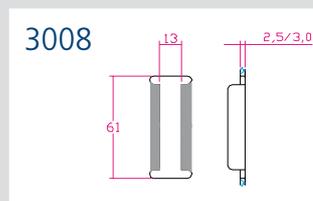
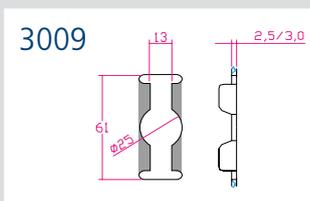


Without pressure on the vehicle body



Designation	Equipment	Telescoping range	Marking	Blocking force*)	Item No.
COMBI-BEAM 1859	without	2,430 - 2,500 mm	WIS label	400 daN	<b>221859-2430</b>
COMBI-BEAM 1859	without	2,430 - 2,500 mm	Customer label	400 daN	<b>221859999-2430</b>
COMBI-BEAM 1859	without	Special length of 458 mm to 6,000 mm (70 mm adjusting range)	WIS label	on request depending on length	<b>on request</b>
COMBI-BEAM 1859	without	Special length of 458 mm to 6,000 mm (70 mm adjusting range)	Customer label	on request depending on length	<b>on request</b>

### Use of aluminium COMBI-BEAM 1858 and 1859 with lashing tracks:



## WISTRA aluminium shoring beam modular construction system



### Strength meets individuality

The new WISTRA shoring beam system is based on a novel 50x50 mm aluminium profile.

In construction, we focused on the numerous customer requests submitted to us.



### The carrier

The new WISTRA shoring beam system is based on a novel 50x50 mm aluminium profile. In construction, we focused on the numerous customer requests submitted to us.



### The connection systems

The novel square shoring beams can be equipped in their basic design or additionally with inserted airline lashing tracks and/or with a rubber protection across the entire length or in sections.

We achieved blocking forces BC of up to 900 daN on our in-house test stand, depending on the design.

The true strength becomes evident in the versatile use and the individual connection options to the inserted integrated airline track profile.

Besides the Airline Beam 1855, WISTRA lashing straps as well as safeguard load securing nets or additional accessories can be used for the airline lashing tracks.

You will find version variants on the next pages. We will gladly process individual requirements.

The WISTRA team is looking forward to your inquiries and requests.



# WISTRA aluminium „Spairbalken 1851“ (shoring beam) with compression spring telescope and handle

## Pin version



Version 09



Version 19, anti-twist  
Observe position!



Version 24



Version 25, anti-twist  
Observe position!

## for lashing track



Boring ø 20 mm



Airline design



Boring ø 25 mm



Combi track ø 25 mm

## Version examples

Example	Designation	Item No.				
1	Spairbalken 1851	221851	09	1111	-2000	
2	Spairbalken 1851	221851	19	2222	-2000	L
3	Spairbalken 1851	221851	19	1212	-2500	T
4	Spairbalken 1851	221851	24	1222	-2500	

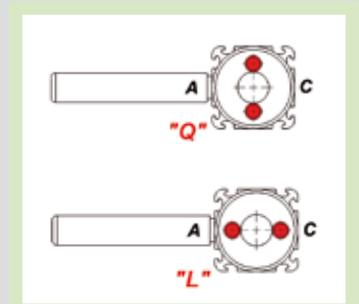


## Technical information

Example	Pin Version	Profile fitting	Application length +/-25 mm	Carrier length L (**)	Pin position	BC daN *)
1	09	A, B, C, D complete with airline lashing track	2.000 mm	1.900 mm		
2	19	A, B, C, D complete with elastic cord	2.000 mm	1.900 mm	Longitudinal AC	between 500 and 900 daN depending on version
3	19	A, C complete with airline lashing track B, D complete with elastic cord	2.500 mm	2.400 mm	Transverse BD	
4	24	A complete with airline lashing track B, C, D complete with elastic cord	2.500 mm	2.400 mm		

## Individual versions, profile fitting across the entire length of the profile

<b>221851</b>	<b>XX</b>	<b>ABCD</b>	<b>-LLLL</b>	<b>L or T</b>
221851 shoring beam version				
XX = pin version – see above				
Profile fitting		Replace letters with desired version:		
A = side A fitted with ...		0 = without fitting		
B = side B fitted with ...		1 = fitted with airline lashing track along max. usable length		
C = side C fitted with ...		2 = fitted with elastic cord along max. usable length		
D = side D fitted with ...		For accessory parts, see Page 148.		
-LLLL = application length +/-25 mm				
With „anti-twist“ model pin version 19 + version 25				
L = in longitudinal direction from side A to side C				
T = transverse from side B to side D				



\*) Blocking force with even surface load

\*\*\*) Up to 2500 mm application range, the carrier is 100 mm shorter. From application range > 2500 mm, carrier length = 2400 mm

# WISTRA aluminium „Spairbalken 1857“ (shoring beam) with compression spring telescope



## Pin version



Version 09

Version 19, anti-twist  
Observe position!

Version 24

Version 25, anti-twist  
Observe position!

Version 32

## for lashing track



Boring ø 20 mm

Airline design

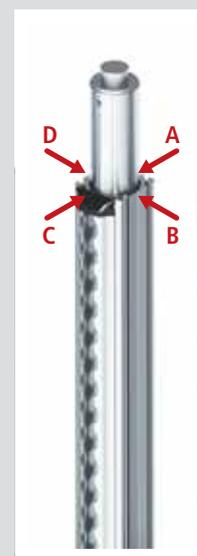
Boring ø 25 mm

Combi track ø 25 mm

Keyhole 34/22

## Version examples

Example	Designation	Item No.			
1	Spairbalken 1857	221857	09	1111	-2000
2	Spairbalken 1857	221857	19	2222	-2000
3	Spairbalken 1857	221857	19	1212	-2500
4	Spairbalken 1857	221857	24	1222	-2500

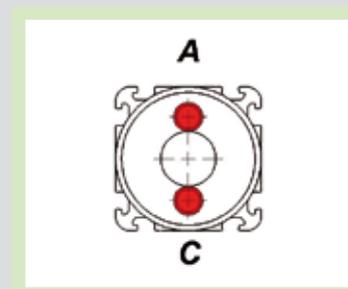


## Technical information

Example	Pin Version	Profile fitting	Application length +/-25 mm	Carrier length L **)	BC daN *)
1	09	A, B, C, D complete with airline lashing track	2.000 mm	1.900 mm	between 500 and 900 daN depending on version
2	19	A, B, C, D complete with elastic cord	2.000 mm	1.900 mm	
3	19	A, C complete with airline lashing track B, D complete with elastic cord	2.500 mm	2.400 mm	
4	24	A complete with airline lashing track B, C, D complete with elastic cord	2.900 mm	2.400 mm	

## Individual versions, profile fitting across the entire length of the profile

221857	XX	ABCD	-LLLL
221857 shoring beam version			
XX = pin version – see above			
Profile fitting		Replace letters with desired version:	
A = side A fitted with ...		0 = without fitting	
B = side B fitted with ...		1 = fitted with airline lashing track along max. usable length	
C = side C fitted with ...		2 = fitted with elastic cord along max. usable length	
D = side D fitted with ...		For accessory parts, see Page 148.	
-LLLL = application length +/-25 mm			
With the „anti-twist“ model version 19 + version 25, the pin is installed in longitudinal direction from side A to side C			



\*) Blocking force with even surface load

\*\*) Up to 2500 mm application range, the carrier is 100 mm shorter. From application range > 2500 mm, carrier length = 2400 mm

# WISTRA aluminium „Spairbalken 1856“ (shoring beam)

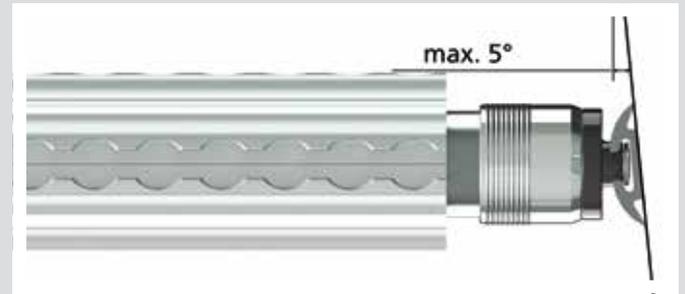
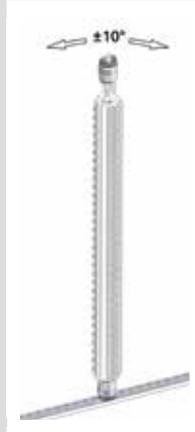


## Product description

In connection with the parallel-running airline lashing track in the vehicle, the trailer or other means of transport, the „Spairbalken“ ensures form-locking load securing.

The „Spairbalken“ can be used horizontally and vertically for load securing.

The automatic airline pins on both sides each engage in one hole pair of the airline lashing track.



### 1. Unlocking



### 2. Inserting



### 3. Shifting



### 4. Locking

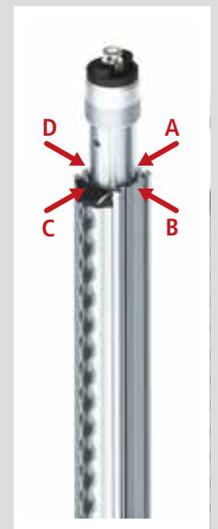


## Version examples

Example	Designation	Item No.				
1	Spairbalken 1856	221856	03	1111	-900	
2	Spairbalken 1856	221856	03	2222	-1300	
3	Spairbalken 1856	221856	03	1212	-1500	
4	Spairbalken 1856	221856	05	1222	-1500	

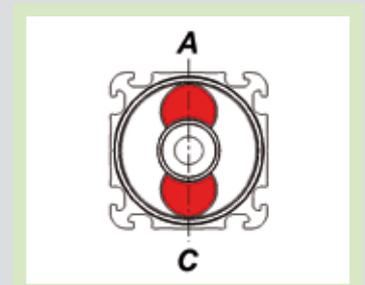
## Technical information

Example	Extension	Profile fitting	Telescoping range L1 – L2	BC daN *)
1	300 mm	A, B, C, D complete with airline lashing track	900-1.200 mm	between 500 and 900 daN depending on version
2	300 mm	A, B, C, D complete with elastic cord	1.300-1.600 mm	
3	300 mm	A, C complete with airline lashing track B, D complete with elastic cord	1.500-1.800 mm	
4	500 mm	A complete with airline lashing track B, C, D complete with elastic cord	1.500-2.000 mm **)	



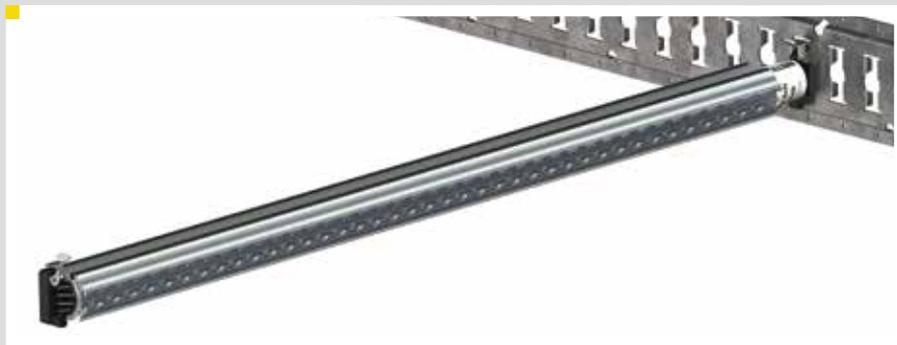
## Individual versions, profile fitting across the entire length of the profile

221856	XX	ABCD	-LLLL
221856 Spairbalken (shoring beam) version			
XX = Extension e.g. 03 = 300 mm			
Profile fitting		Replace letters with desired version:	
A = side A fitted with ...		0 = without fitting	
B = side B fitted with ...		1 = fitted with airline lashing track along max. usable length	
C = side C fitted with ...		2 = fitted with elastic cord along max. usable length	
D = side D fitted with ...		For accessory parts, see Page 148.	
-LLLL = shortest application length			
With the automatic pins, the pin is installed in longitudinal direction from side A to side C			



\*) Blocking force with even surface load , \*\*) In case of vertical application observe working height

## WISTRA Aluminium „Spairbalken 1861“ (shoring beam) square version



### Strength meets individuality

The COMBI-BEAM 1861 is a WISTRA development with focus on user-friendliness and gentle application in pressure-sensitive vehicle sections.

Besides a high blocking force, version 1861 offers additional connection options through optional equipment with airline lashing track for horizontal and vertical connections like the Airline-Beam, WIS Safeguard load securing nets, WIS lashing straps, etc

- Design for anchor combination lashing tracks
- Optionally equipped with airline lashing track and/or rubber band
- without spring action
- suited for the „cooler“ section and on the basis of the applied materials, explosion protection classification is possible
- Aluminium square tube 50x50 mm:  
Plastic end pieces with stainless steel latch

Without pressure on the vehicle body



	Advantages		
	for the user	for the transport vehicle/the load	compared to similar products
In connection with anti-slip materials, loads up to 4,000 kg can be secured in driving direction with one COMBI-BEAM.	X	X	X
Extensive technical documentation/operation manual	X		X
Easy telescoping, up to 70 mm by standard	X		X
No bulging operating elements in the complete application area	X	X	X
Silent design with plastic centring piece	X		X
Square carrier tube, can be optionally fitted with airline lashing track and/or rubber band	X	X	X
Connection options in connection with optional equipment with airline lashing track – also in individual sections	X	X	X
The COMBI pins on both sides latch into the COMBI lashing track.	X	X	X
The COMBI pins do not damage the material within the lashing track.	X	X	X
Insertion of the COMBI-BEAM by the user does not require simultaneous application of pressure in both directions.	X	X	X
The COMBI pins cannot slide out because they lock into place when pressure is applied on the side wall.	X	X	X
Based on the locking in the COMBI lashing track, the system does not damage the transport vehicle.	X	X	X
High-quality product designation affixed to the telescope	X		X

Designation	Equipment	Telescoping range	Marking	Blocking force*)	Item No.
Spairbalken 1861	without	2,430 - 2,500 mm	WIS label	400 daN	<b>2218610000-2430</b>
Spairbalken 1861	without	2,430 - 2,500 mm	Customer label	400 daN	<b>2218619990000-2430</b>
Spairbalken 1861	without	Special length of 458 mm to 3,000 mm (70 mm adjusting range)	WIS label	400 daN	<b>on request</b>
Spairbalken 1861	without	Special length of 458 mm to 3,000 mm (70 mm adjusting range)	Customer label	400 daN	<b>on request</b>

## Examples with optional equipment

Designation	Equipment	for inside dimension	Marking	Blocking force*)	Item No.
Spairbalken 1861	Side A fitted with airline lashing track Side B fitted with rubber band Side C without equipment Side D fitted with rubber band	2,430 - 2,500 mm	WIS label	400 daN	<b>2218610000-2430</b>
Spairbalken 1861	Side A fitted with rubber band Side B fitted with rubber band Side C fitted with rubber band Side D fitted with rubber band	2,430 - 2,500 mm	WIS label	400 daN	<b>2218610000-2430</b>
Spairbalken 1861	Side A fitted with rubber band Side B fitted with airline lashing track Side C without equipment Side D fitted with airline lashing track	2,430 - 2,500 mm	WIS label	400 daN	<b>2218610000-2430</b>

### Individual versions, profile fitting across the entire length of the profile

221857	ABCD	-LLLL
221857 shoring beam version		
Profile fitting	Replace letters with desired version:	
A = side A fitted with ...	0 = without fitting	
B = side B fitted with ...	1 = fitted with airline lashing track along max. usable length	
C = side C fitted with ...	2 = fitted with elastic cord along max. usable length	
D = side D fitted with ...	For accessory parts, see Page 148.	
	-LLLL = minimum total length	

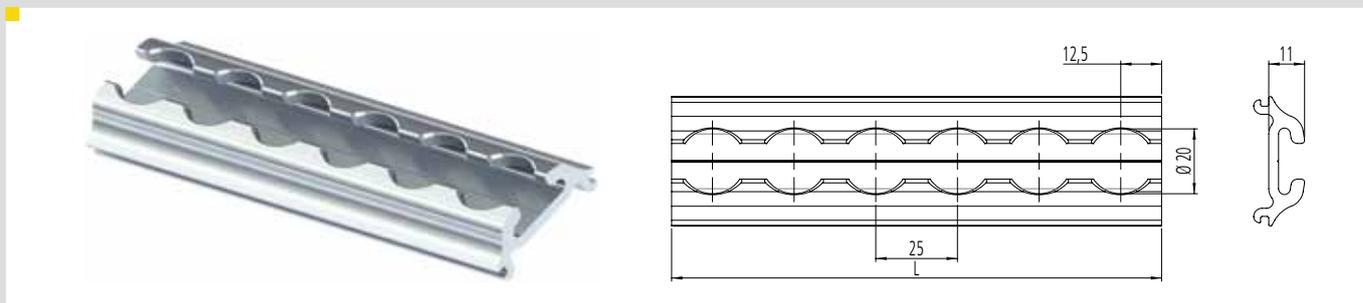


\*) Blocking force with even surface load

## „Spairbalken“ accessories

### Aluminium airline lashing track for inserting 5509

Weight: 560 g/m



Designation	length	Item No. untreated
Airline lashing track 5509	500 mm	<b>21550920-0500</b>
Airline lashing track 5509	1,000 mm	<b>21550920-1000</b>
Airline lashing track 5509	1,975 mm	<b>21550920-1975</b>
Airline lashing track 5509	2,000 mm	<b>21550920-2000</b>
Airline lashing track 5509	2,400 mm	<b>21550920-2400</b>

### End cap for airline lashing track 5509



#### Item No. 215111001540

Plastic, black  
Unit of quantity: Pieces

### Round rubber band 6 mm



#### Item No. 21550800-50000

Rubber, black  
Unit of quantity: 50 m

### Bow base for 25mm profile



#### Item No. 161851000012

Material: Steel galvanised

The bracket is clamped on the square profile and can be positioned as required. A dividing wall can be easily constructed with the connecting slabs.

# WISTRA Airline Beam 1855



Example of a label

Can be customised with your logo and your address on request!

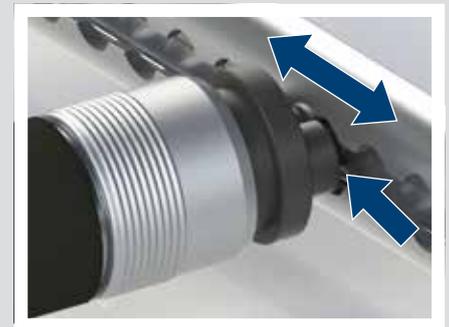
## 1. Unlocking



## 2. Inserting



## 3. Shifting



## 4. Locking



Design	Item No.	Telescoping range L1 – L2	Blocking force*)
Airline Beam 1855	<b>221855-0800</b>	800 – 950 mm	450 – 350 daN
Airline Beam 1855	<b>221855-0900</b>	900 – 1150 mm	350 – 300 daN
Airline Beam 1855	<b>221855-1000</b>	1000 – 1350 mm	350 – 250 daN
Airline Beam 1855	<b>221855-1100</b>	1100 – 1550 mm	300 – 200 daN
Airline Beam 1855	<b>221855-1200</b>	1200 – 1750 mm	300 – 200 daN
Airline Beam 1855	<b>221855-1300</b>	1300 – 1900 mm	300 – 150 daN
Airline Beam 1855	<b>221855-1400</b>	1400 – 2050 mm	300 – 150 daN
Airline Beam 1855	<b>221855-1500</b>	1500 – 2200 mm	300 – 150 daN
Airline Beam 1855	<b>221855-1600</b>	1600 – 2350 mm **)	300 – 150 daN
Airline Beam 1855	<b>221855-1700</b>	1700 – 2500 mm **)	300 – 100 daN
Airline Beam 1855	<b>221855-1800</b>	1800 – 2650 mm **)	300 – 100 daN
Airline Beam 1855	<b>221855-1900</b>	1900 – 2800 mm **)	300 – 100 daN

\*) Blocking force with even surface load depending on extension length

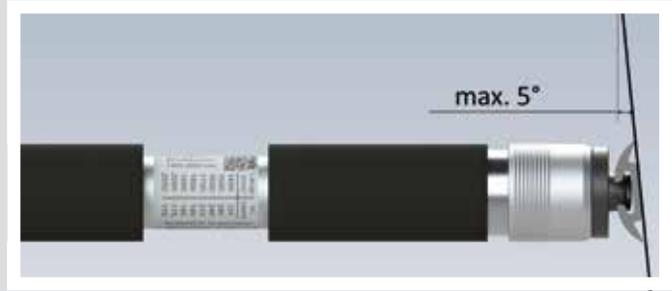
\*\*\*) In case of vertical application observe working height

**Product description**

In connection with the parallel-running airline lashing track in the vehicle, the trailer or other means of transport, the AIRLINE BEAM ensures form-locking load securing.

The AIRLINE BEAM can be used horizontally and vertically for load securing.

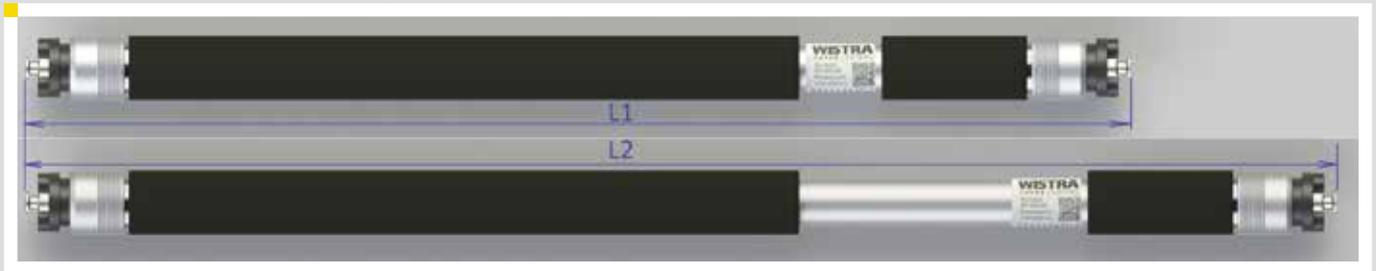
The automatic airline pins on both sides each engage in one hole pair of the airline lashing track.



	Advantages		
	for the user	for the transport vehicle/the load	compared to similar products
Suited for horizontal and vertical application	X		X
Blocking forces BC between 450 daN and 150 daN in application ranges from 800 mm to 2300 mm, depending on design	X	X	X
In connection with anti-slip materials, loads up to 2250 kg can be secured in driving direction with one AIRLINE BEAM.	X	X	X
Extensive technical documentation/operation manual	X		X
Smooth and continuous telescopic adjustment	X		X
No bulging operating elements in the complete application area	X	X	X
Silent design with plastic slider and centring piece	X		X
Supporting tube and hand piece with PVC coating for comfortable handling even in cold outside temperatures, as well as for protection of the load	X	X	X
The automatic airline pins on both sides each engage in a hole pair of the airline lashing track.	X	X	X
The automatic airline pins do not damage the material within the airline lashing track.	X	X	X
Insertion of the Airline Beam does not require simultaneous application of pressure in both directions.	X	X	X
The automatic airline pins cannot slide out because they lock into place when pressure is applied on the side wall.	X	X	X
Based on the locking in the airline lashing track, the system does not damage the transport vehicle.	X	X	X
High-quality product label affixed in a protected spot on the telescopic tube near the hand piece	X		X



Name	WIS item No.	Unit
Storage rail for two Airline Beams along the side	<b>215110010</b>	Set (= 2 pieces)



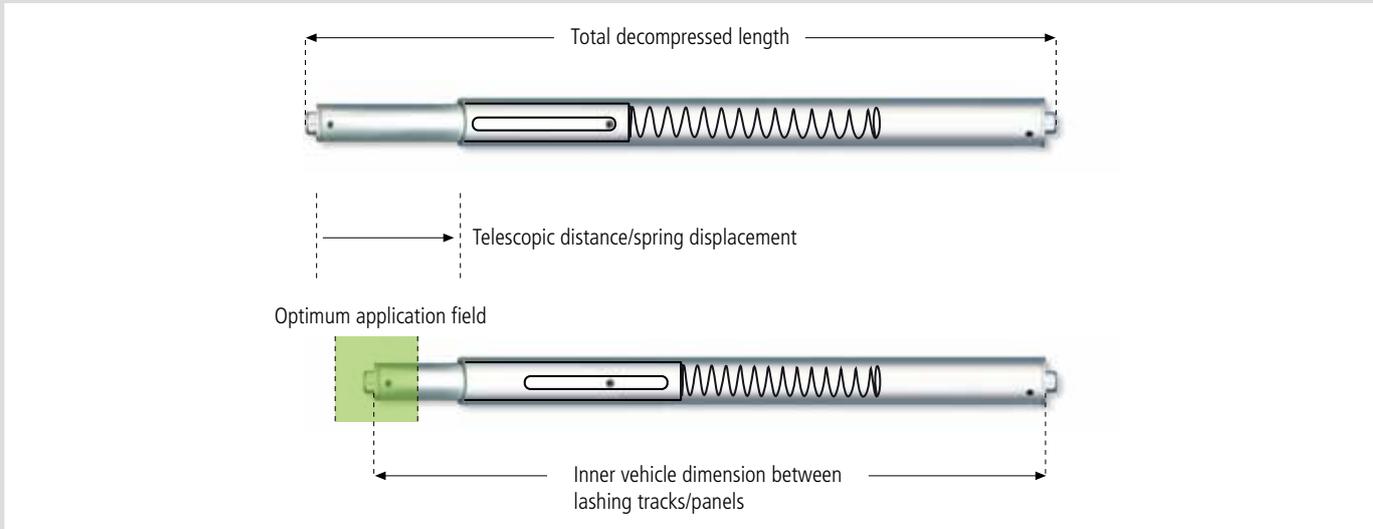
Telescoping range L1 – L2

## WISTRA Airline Beam 1855 – blocking forces BC

at	221855 -800	221855 -900	221855 -1000	221855 -1100	221855 -1200	221855 -1300	221855 -1400	221855 -1500	221855 -1600	221855 -1700	221855 -1800	221855 -1900
800 mm	450 daN											
850 mm	400 daN											
900 mm	350 daN	350 daN										
950 mm	350 daN	350 daN										
1000 mm		300 daN	350 daN									
1050 mm		300 daN	300 daN									
1100 mm		300 daN	300 daN	300 daN								
1150 mm		300 daN	300 daN	300 daN								
1200 mm			300 daN	300 daN	300 daN							
1300 mm			250 daN	250 daN	250 daN	300 daN						
1350 mm			250 daN	250 daN	250 daN	300 daN						
1400 mm				250 daN	250 daN	250 daN	300 daN					
1500 mm				200 daN	200 daN	250 daN	250 daN	300 daN				
1550 mm				200 daN	200 daN	200 daN	250 daN	300 daN				
1600 mm					200 daN	200 daN	200 daN	250 daN	300 daN			
1700 mm					200 daN	200 daN	200 daN	200 daN	250 daN	300 daN		
1750 mm					200 daN	200 daN	200 daN	200 daN	250 daN	300 daN		
1800 mm						150 daN	150 daN	200 daN	200 daN	250 daN	300 daN	
1900 mm						150 daN	150 daN	150 daN	200 daN	250 daN	250 daN	300 daN
1950 mm							150 daN	150 daN	150 daN	200 daN	250 daN	300 daN
2000 mm							150 daN	150 daN	150 daN	150 daN	200 daN	250 daN
2050 mm							150 daN	150 daN	150 daN	150 daN	200 daN	250 daN
2100 mm								150 daN	150 daN	150 daN	150 daN	200 daN
2200 mm								150 daN				
2250 mm									150 daN	150 daN	150 daN	150 daN
2300 mm									150 daN	150 daN	150 daN	150 daN
2350 mm									150 daN	100 daN	150 daN	150 daN
2400 mm										100 daN	100 daN	100 daN
2500 mm										100 daN	100 daN	100 daN
2550 mm											100 daN	100 daN
2650 mm											100 daN	100 daN
2800 mm												100 daN

The blocking forces apply with even surface load of the Airline Beam.

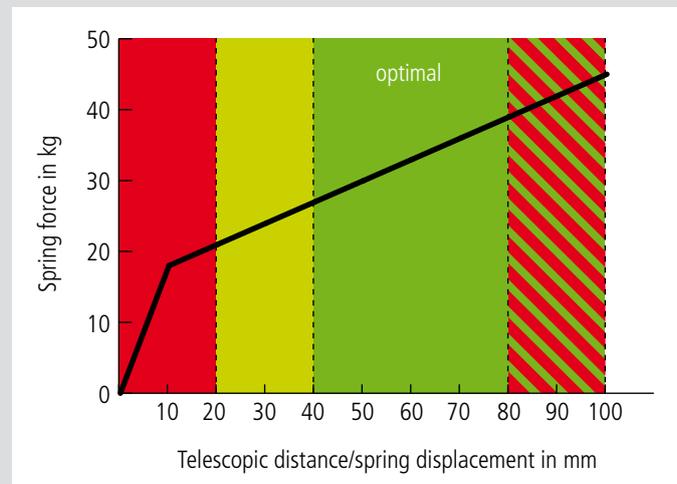
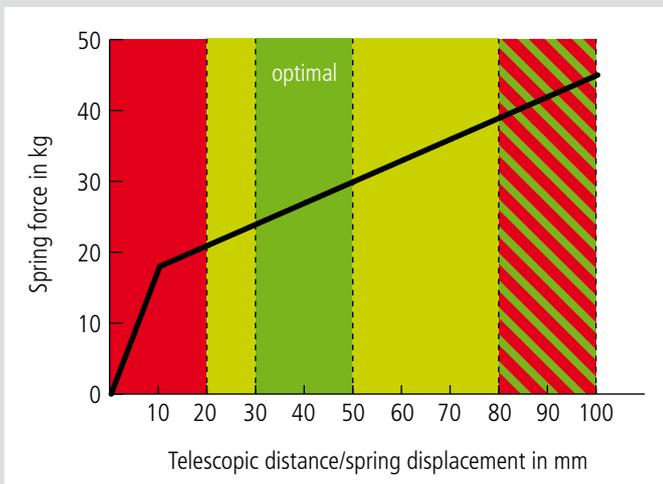
## Selection aid for the right shoring beam



## Recommendation

Application range: up to 2,000 mm inner dimension

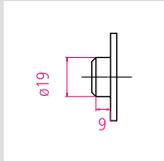
Application range: as from 2,000 mm inner dimension



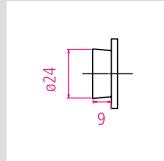


# WISTRA standard aluminium power shoring beam 1850

## End pin versions



19 mm pin,  
cylindrical  
**Version: 09**



24 mm pin,  
conical  
**Version: 24**

Additional pin versions upon request.



Blocking Capacity BC 700 daN  
ø 50 mm

Version of rod lashing tracks is deviant

Standard version	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Aluminium shoring beam 185015 XX	<b>22185015 XX 20</b>	2,400-2,480 mm
Aluminium shoring beam 185020 XX	<b>22185020 XX 20</b>	2,440-2,520 mm
Aluminium shoring beam 185025 XX	<b>22185025 XX 20</b>	2,500-2,580 mm

Customer-specific version	Item No. <b>XX</b> for pin version
Aluminium shoring beam 185080 XX-3000	<b>22185080 XX 20</b>

Please include the following data with your order  
- Lashing track panel version  
- free inside dimension between the tracks

## Options



PVC cover with property marking



Additional property markings



Needle embossing



Powder coated versions



Tracking-loop for telescopic tube

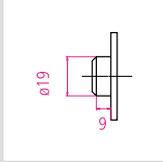


# WISTRA standard aluminium power shoring beam *ergo* 1854

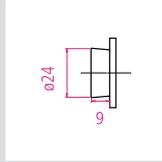


Ø 50 mm

### End pin versions



19 mm pin,  
cylindrical  
**Version: 09**



24 mm pin,  
conical  
**Version: 24**

Additional pin versions upon request

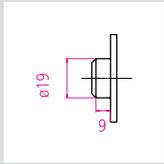
Designation Examples – application lengths according to customer specifications!	Item No.			BC daN *)
	Version	Pin Version	Application length +/-25 mm	
Alu-Sperrbalken 1854	<b>221854</b>	<b>09</b>	<b>-2000</b>	700 daN
Alu-Sperrbalken 1854	<b>221854</b>	<b>24</b>	<b>-2500</b>	700 daN

\*) Blocking force with even surface load

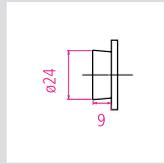


## WISTRA standard shoring beams

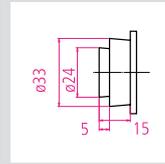
### End pin versions



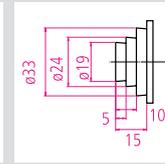
19 mm pin,  
cylindrical  
**Version: 09**



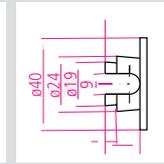
24 mm pin,  
conical  
**Version: 24**



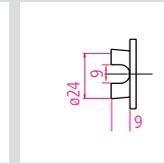
24 / 33 mm combi pin,  
conical  
**Version: 43**



19 / 24 / 33 mm combi  
pin, conical  
**Version: 44**

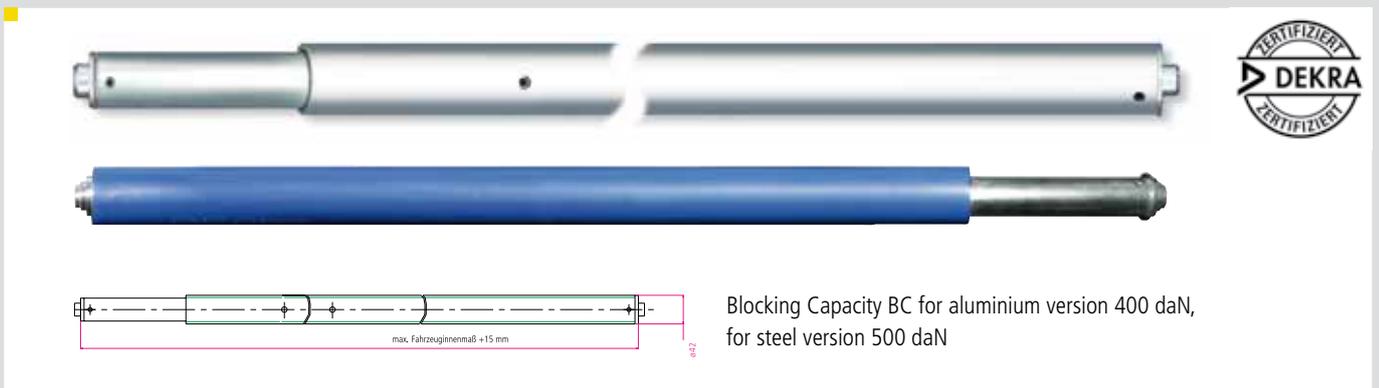


19 / 24 mm pin for key-  
hole track, cylindrical  
**Version: 45**



24 mm pin for key-hole  
track, conical  
**Version: 49**

Additional pin versions upon request.



Blocking Capacity BC for aluminium version 400 daN,  
for steel version 500 daN

Version of rod lashing tracks is deviant

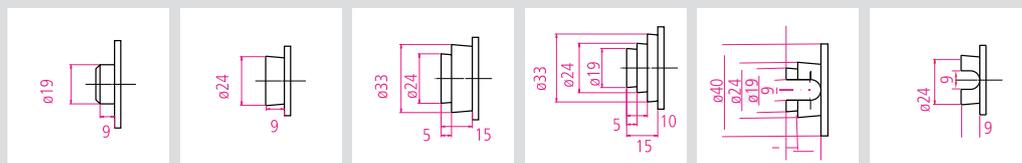
Standard version	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Aluminium shoring beam 1813 XX	<b>22181300 XX 20</b>	2,000-2,080 mm
Steel shoring beam 1813 XX	<b>22181300 XX 12</b>	2,000-2,080 mm
Aluminium shoring beam 1818 XX	<b>22181800 XX 20</b>	2,400-2,480 mm
Steel shoring beam 1818 XX	<b>22181800 XX 12</b>	2,400-2,480 mm
Aluminium shoring beam 1817 XX	<b>22181700 XX 20</b>	2,440-2,520 mm
Steel shoring beam 1817 XX	<b>22181700 XX 12</b>	2,440-2,520 mm
Aluminium shoring beam 1819 XX	<b>22181900 XX 20</b>	2,500-2,580 mm
Steel shoring beam 1819 XX	<b>22181900 XX 12</b>	2,500-2,580 mm

Standard versions with PVC Cover	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Aluminium shoring beam 1813 XX PVC	<b>22181300 XX 20Ü</b>	2,000-2,080 mm
Steel shoring beam 1813 XX PVC	<b>22181300 XX 12Ü</b>	2,000-2,080 mm
Aluminium shoring beam 1818 XX PVC	<b>22181800 XX 20Ü</b>	2,400-2,480 mm
Steel shoring beam 1818 XX PVC	<b>22181800 XX 12Ü</b>	2,400-2,480 mm
Aluminium shoring beam 1817 XX PVC	<b>22181700 XX 20Ü</b>	2,440-2,520 mm
Steel shoring beam 1817 XX PVC	<b>22181700 XX 12Ü</b>	2,440-2,520 mm
Aluminium shoring beam 1819 XX PVC	<b>22181900 XX 20Ü</b>	2,500-2,580 mm
Steel shoring beam 1819 XX PVC	<b>22181900 XX 12Ü</b>	2,500-2,580 mm

# WISTRA shoring beams with special lengths

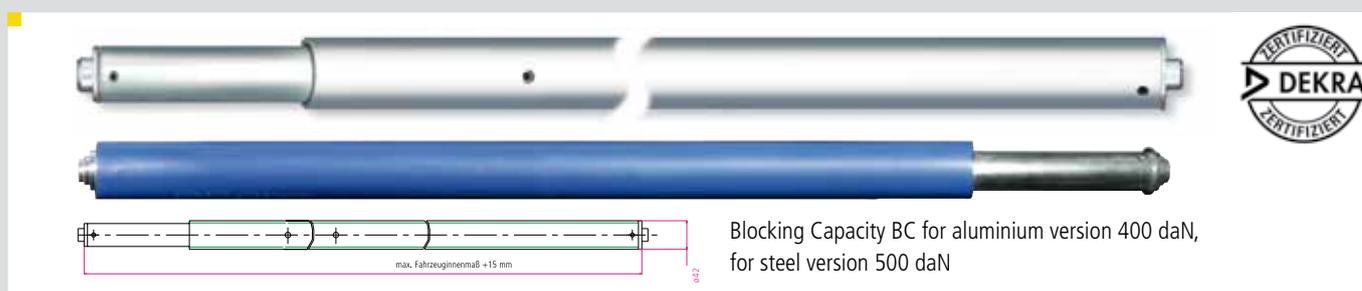


## End pin versions



- 19 mm pin, cylindrical  
**Version: 09**
- 24 mm pin, conical  
**Version: 24**
- 24 / 33 mm combi pin, conical  
**Version: 43**
- 19 / 24 / 33 mm combi pin, conical  
**Version: 44**
- 19 / 24 mm pin for key-hole track, cylindrical  
**Version: 45**
- 24 mm pin for key-hole track, conical  
**Version: 49**

Additional pin versions upon request.



Blocking Capacity BC for aluminium version 400 daN, for steel version 500 daN

Version of rod lashing tracks is deviant

Versions to shorten on the stay pipe side with included pin, telescope side already mounted	Item No.
Aluminium shoring beam 1898 XX-2380 mm carrier	<b>221898 XX 20-2380</b>
Steel shoring beam 1898 XX-2380 mm carrier	<b>221898 XX 12-2380</b>
Aluminium shoring beam 1898 XX-3000 mm carrier	<b>See version 1850</b>
Steel shoring beam 1898 XX-3000 mm carrier	<b>221898 XX 12-3000</b>

Versions with PVC cover for shortening on the stay pipe end with included pin, telescope side already mounted	Item No.
Aluminium shoring beam 1898 XX-2380 mm carrier PVC	<b>221898 XX 20Ü-2380</b>
Steel shoring beam 1898 XX-2380 mm carrier PVC	<b>221898 XX 12Ü-2380</b>
Aluminium shoring beam 1898 XX-3000 mm carrier PVC	<b>on request</b>
1898 XX-3000 mm carrier PVC	<b>221898 XX 12Ü-3000</b>

Customer-specific version	Item No. <b>XX</b> for pin version
Aluminium shoring beam 1899 XX-max. 2,380 mm carrier	<b>221899 XX 20-2380</b>
Steel shoring beam 1899 XX-max. 2,380 mm carrier	<b>221899 XX 12-2380</b>
Aluminium shoring beam 1899 XX-max. 3,000 mm carrier	<b>See version 1850</b>
Steel shoring beam 1899 XX-max. 3000 mm carrier	<b>221899 XX 12-3000</b>

Please include the following data with your order  
 - Lashing track panel version  
 - free inside dimension between the tracks

Customer-specific version with PVC cover	Item No. <b>XX</b> for pin version
Aluminium shoring beam 1899 XX-max. 2,380 mm carrier PVC	<b>221899 XX 20Ü-2380</b>
Steel shoring beam 1899 XX-max. 2,380 mm carrier PVC	<b>221899 XX 12Ü-2380</b>
Aluminium shoring beam 1899 XX-max. 3,000 mm carrier PVC	<b>See version 1850 - on request</b>
Steel shoring beam 1899 XX-max. 3,000 mm carrier PVC	<b>221899 XX 12Ü-3000</b>

Please include the following data with your order  
 - Lashing track panel version  
 - free inside dimension between the tracks

## Options



PVC cover with property marking



Additional property markings



Needle embossing



Powder coated versions

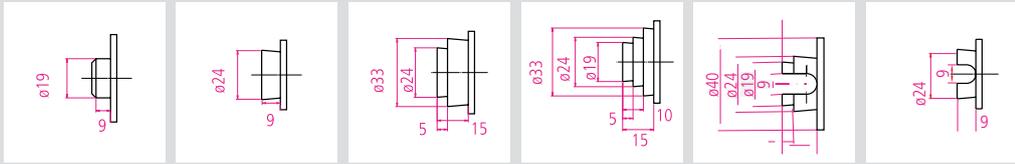


Tracking-loop for telescopic tube



# WISTRA shoring beams with special lengths for transporter

## End pin versions



19 mm pin, cylindrical  
**Version: 09**

24 mm pin, conical  
**Version: 24**

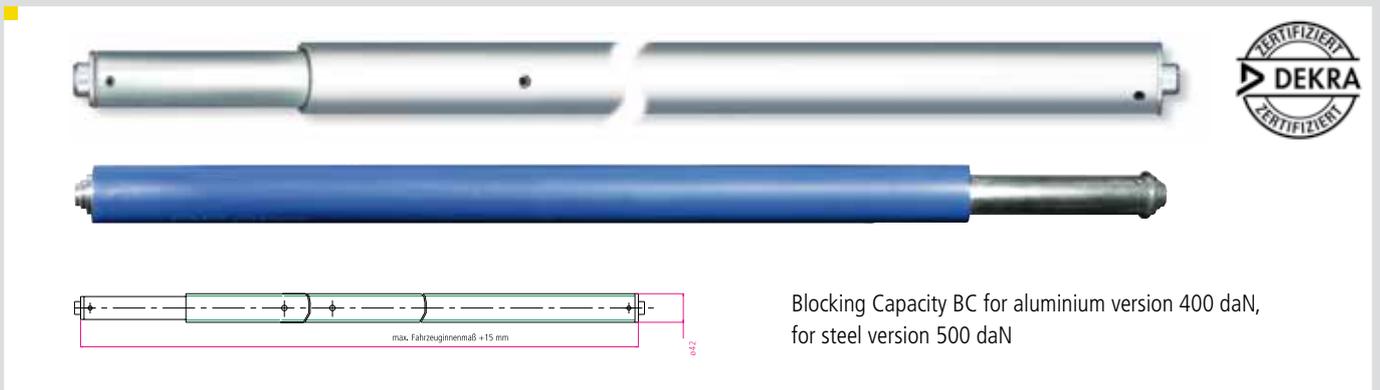
24 / 33 mm combi pin, conical  
**Version: 43**

19 / 24 / 33 mm combi pin, conical  
**Version: 44**

19 / 24 mm pin for key-hole track, cylindrical  
**Version: 45**

24 mm pin for key-hole track, conical  
**Version: 49**

Additional pin versions upon request.



Blocking Capacity BC for aluminium version 400 daN, for steel version 500 daN

Version of rod lashing tracks is deviant

Customer-specific version	Item No. <b>XX for pin version</b>
Aluminium shoring beam 1888 XX-max. 2380 mm carrier	<b>221888 XX 20</b>
Steel shoring beam 1888 XX-max. 2380 mm carrier	<b>221888 XX 12</b>

Please include the following data with your order  
- Lashing track panel version  
- free inside dimension between the tracks

Customer-specific version with PVC cover	Item No. <b>XX for pin version</b>
Aluminium shoring beam 1888 XX-max. 2380 mm carrier PVC	<b>221888 XX 20Ü</b>
1888 XX-max. 2380 mm carrier PVC	<b>221888 XX 12Ü</b>

Please include the following data with your order  
- Lashing track panel version  
- free inside dimension between the tracks

## Options



PVC cover with property marking



Additional property markings



Needle embossing



Powder coated versions

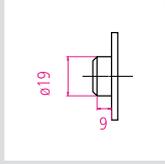


Tracking-loop for telescopic tube

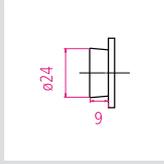


## WISTRA standard shoring beams, adjustable

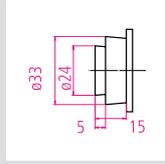
### End pin versions



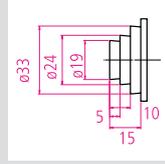
19 mm pin,  
cylindrical  
**Version: 09**



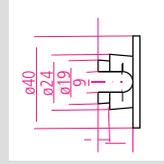
24 mm pin,  
conical  
**Version: 24**



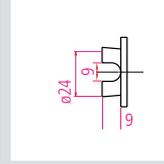
24 / 33 mm combi pin,  
conical  
**Version: 43**



19 / 24 / 33 mm combi  
pin, conical  
**Version: 44**

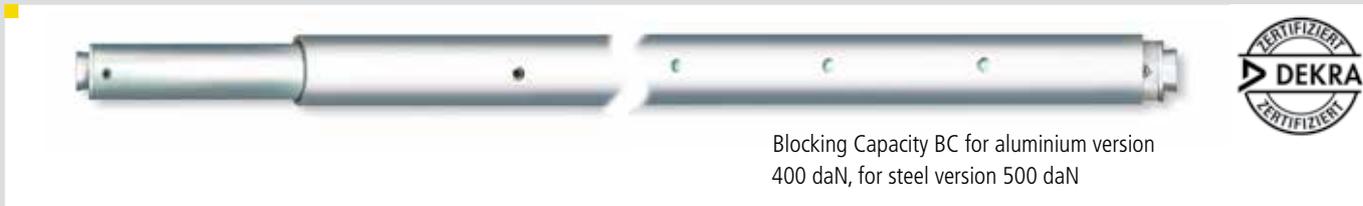


19 / 24 mm pin for key-  
hole track, cylindrical  
**Version: 45**



24 mm pin for key-hole  
track, conical  
**Version: 49**

Additional pin versions upon  
request.



Blocking Capacity BC for aluminium version  
400 daN, for steel version 500 daN

Version of rod lashing tracks is deviant

Standard version	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Aluminium shoring beam 1808 XX	<b>22180800 XX 20</b>	2,220 – 2,650 mm
Steel shoring beam 1811 XX	<b>22181100 XX 12</b>	2,220 – 2,650 mm

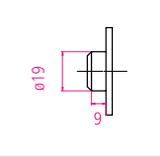
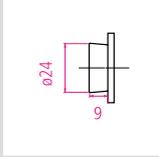
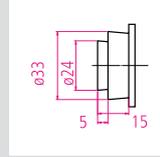
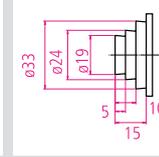
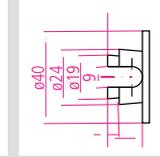
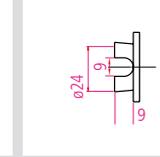
Standard versions with PVC cover	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Aluminium shoring beam 1808 XX PVC	<b>22180800 XX 20Ü</b>	2,220 – 2,650 mm
Steel shoring beam 1811 XX PVC	<b>22181100 XX 12Ü</b>	2,220 – 2,650 mm





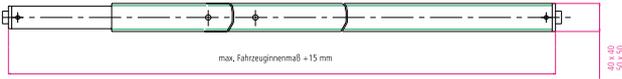
# WISTRA standard square shoring beams

## End pin versions

					
19 mm pin, cylindrical <b>Version: 09</b>	24 mm pin, conical <b>Version: 24</b>	24 / 33 mm combi pin, conical <b>Version: 43</b>	19 / 24 / 33 mm combi pin, conical <b>Version: 44</b>	19 / 24 mm pin for key-hole track, cylindrical <b>Version: 45</b>	24 mm pin for key-hole track, conical <b>Version: 49</b>

Additional pin versions upon request.



Blocking Capacity BC for version 40x40 500 daN, for version 50x50 on request.

Version of rod lashing tracks is deviant

Standard version 40x40 mm	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Steel shoring beam 1828 XX	<b>22182800 XX 12</b>	2,400-2,480 mm
Steel shoring beam 1827 XX	<b>22182700 XX 12</b>	2,440-2,520 mm
Steel shoring beam 1829 XX	<b>22182900 XX 12</b>	2,500-2,580 mm

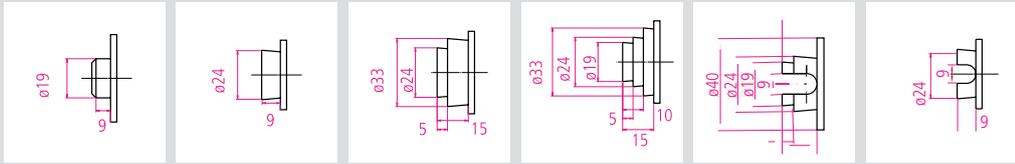
Standard version 50x50	Item No. <b>XX</b> for pin version
Steel shoring beam 1852 XX	<b>on request</b>

Please include the following data with your order  
 - Lashing track panel version  
 - free inside dimension between the tracks



# WISTRA standard square shoring beams, adjustable

## End pin versions



19 mm pin, cylindrical  
**Version: 09**

24 mm pin, conical  
**Version: 24**

24 / 33 mm combi pin, conical  
**Version: 43**

19 / 24 / 33 mm combi pin, conical  
**Version: 44**

19 / 24 mm pin for key-hole track, cylindrical  
**Version: 45**

24 mm pin for key-hole track, conical  
**Version: 49**

Additional pin versions upon request.



Blocking Capacity BC 500 daN

Standard version 40x40 mm	Item No. <b>XX</b> for pin version	For vehicle internal dimension
Steel shoring beam 1812 XX	<b>22181200 XX 12</b>	2,220 – 2,650 mm

## Options



Needle embossing



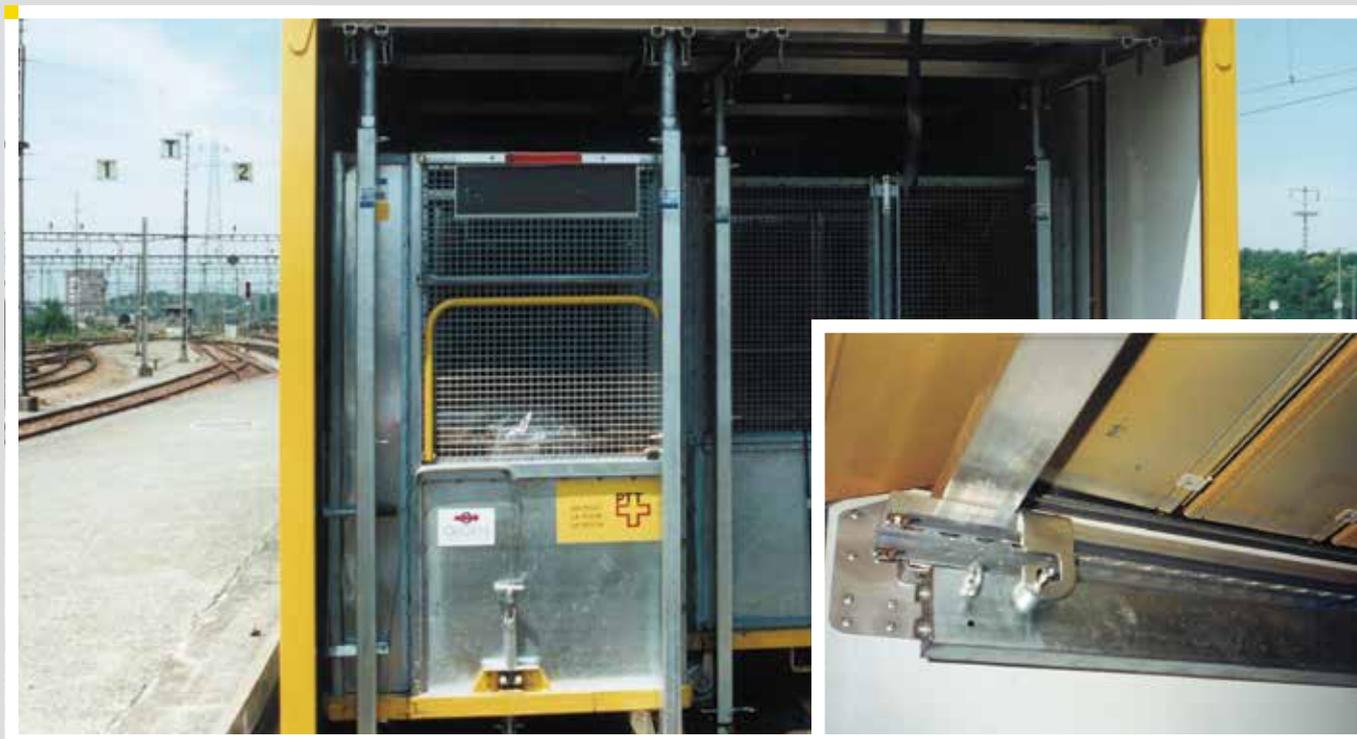
Powder coated versions



Tracking-loop for telescopic tube

Customer-specialised versions on request.

## WISTRA shoring beam system Power Stop, guided by rolls



Parking position

The Power Stop shoring beam - with guiding rolls - was developed specifically for the combined "road-rail" traffic, which gains more and more importance in the domestic and European traffic. The system can be used for swap bodies and other boxes.

The special solution consists of vertically latched shoring beams, which are guided in running rails with rollers.

This ensures easy handling. Unintentional removal or theft is also prevented.

Positioning is accomplished by means of hole tracks in the floor and the ceiling.

Up to four Power Stops - roller guided - can be used in a standard swap body.

Due to its rugged construction, this new solution is also suitable for securing WISTRA Safeguard load securing nets.

The Power Stop shoring beam can be lifted up and locked under the running rail.

Designation	Unit of quantity	Item No.
WISTRA shoring beam system Power Stop, guided by rolls Material profile steel	Pieces	<b>on request</b>
WISTRA shoring beam system Power Stop, guided by rolls Material profile aluminium	Pieces	<b>on request</b>
Lashing tracks 3004 flat pieces	Pieces	<b>on request</b>
Lashing tracks 3004 50 U-profile	Pieces	<b>on request</b>

### Advantages:

- quick handling due to roller guiding
- optional galvanised steel profile or aluminium profile
- Dual end pins on both sides with 24 mm diameter
- Very high blocking capacity BC 2,500 daN at constant line load
- Strong individuality for customer-specific requirements

## WISTRA shoring beam system lock

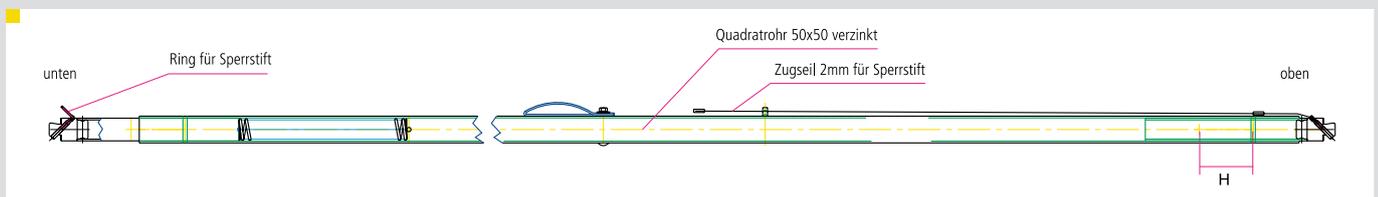


WISTRA shoring beam lock is a form-fit system with pin latching in the lashing tracks.

This system was primarily developed for vertical form-fit securing with hatches.

Advantages:

- quick handling due to easy insertion and securing
- secure attachment to the lashing tracks
- Spring pressure only for easier handling when applying
- Steel profile 50 x 50 mm, galvanised
- Latching end pins on both sides with 24 mm diameter
- High blocking capacity BC 1,000 daN at constant line load
- Strong individuality for customer-specific requirements



Designation	Unit of quantity	Item No.
WISTRA shoring beam system lock	Pieces	<b>on request</b>
Lashing tracks 3004 flat	Pieces	<b>on request</b>
Lashing tracks 3004 U-profile	Pieces	<b>on request</b>

## WISTRA shoring beam system Power Stop



The use of transport means with a high payload, especially for combined transports, places extremely high demands on load securing devices.

The WISTRA POWER Stop shoring beam system passes the acid test of standing paper reels with flying colours.

The tandem hole track system and the dual pins allow the square tubes to be turned by 30°. In this way contact with the fragile cargo is over a large area and damage by excessive edge pressure is prevented. VDI regulation 2700, Sheet 9, prescribes the use of anti-slip mats for the transport of paper reels.

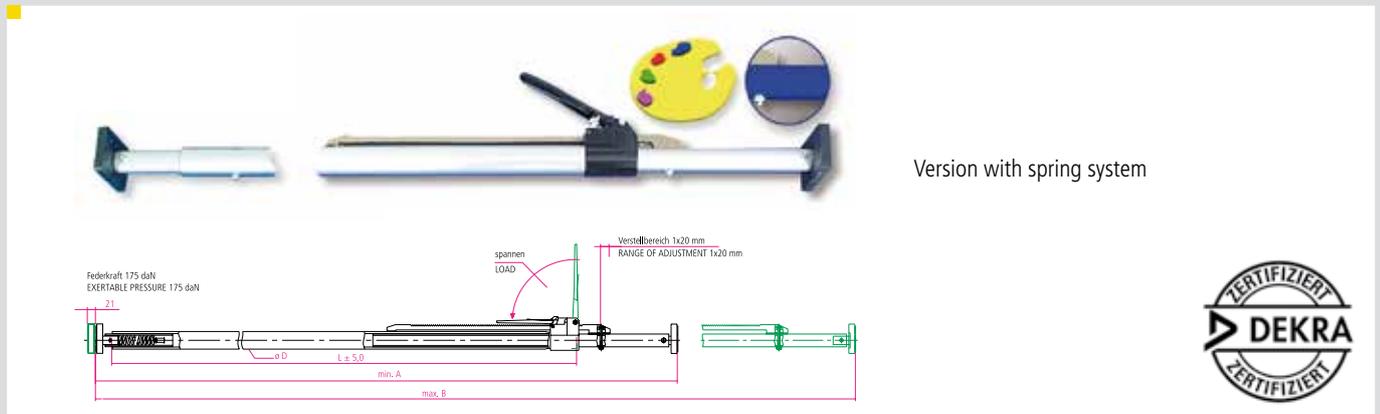
### Advantages:

- quick handling due to easy insertion and securing
- Steel profile 50 x 90 mm, galvanised
- Dual end pins on both sides with 24 mm diameter
- Very high blocking capacity BC 2,500 daN at constant line load
- Strong individuality for customer-specific requirements

Designation	Unit of quantity	Item No.
WISTRA shoring beam system POWER Stop	Pieces	<b>on request</b>
Lashing tracks 3004 53 flat	Pieces	<b>on request</b>
Lashing tracks 3004 53 U-profile	Pieces	<b>on request</b>

# Cargo bar

## WISTRA aluminium cargo bar



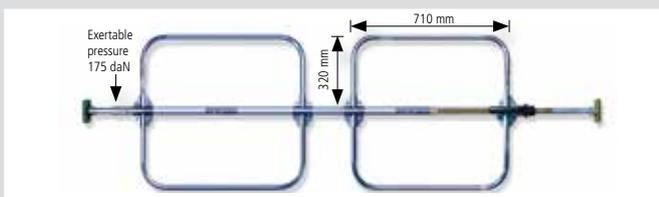
Version with spring system



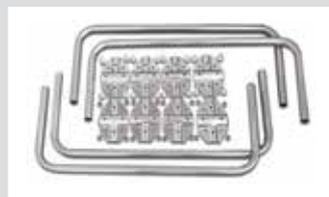
Standard versions 38 mm	Item No.	Application range	Weight	Blocking capacity *)
Cargo bar 1867	<b>2218670003</b>	1,300 - 1,670 mm	3.1 kg	up to 150 daN
Cargo bar 1867	<b>2218670004</b>	1,680 - 2,050 mm	3.5 kg	
Cargo bar 1867	<b>221867010020TW</b>	2,260 – 2,630 mm	4.2 kg	

Standard versions 42 mm	Item No.	Application range	Weight	Blocking capacity *)
Cargo bar 1843	<b>2218430003</b>	1,300 - 1,670 mm	4.3 kg	up to 150 daN
Cargo bar 1843	<b>2218430004</b>	1,680 - 2,050 mm	4.4 kg	
Cargo bar 1842	<b>221842010020TW</b>	2,100 – 2,470 mm	4.6 kg	
Cargo bar 1843	<b>221843010020TW</b>	2,350 – 2,720 mm	4.7 kg	
Cargo bar 1844	<b>221844010020TW</b>	2,500 - 2,870 mm	4.8 kg	
Cargo bar 1845	<b>221845010020TW</b>	2,650 - 3,020 mm	4.9 kg	

\*) Blocking capacity depends on the rigidity of the vehicle body and the anti slip properties of the base



Spares	Item No.
Housing with tensioner and toothed rack for version 38 mm	<b>221867991000</b>
for version 42 mm	<b>221867991000TW</b>
Rubber pad for version 38 mm	<b>221867990400</b>
Rubber pad for version 42 mm	<b>221867990300</b>



Accessories	Item No.
Hoop set	
for version 38 mm	<b>226700000012</b>
for version 42 mm	<b>224300000012</b>

### Options

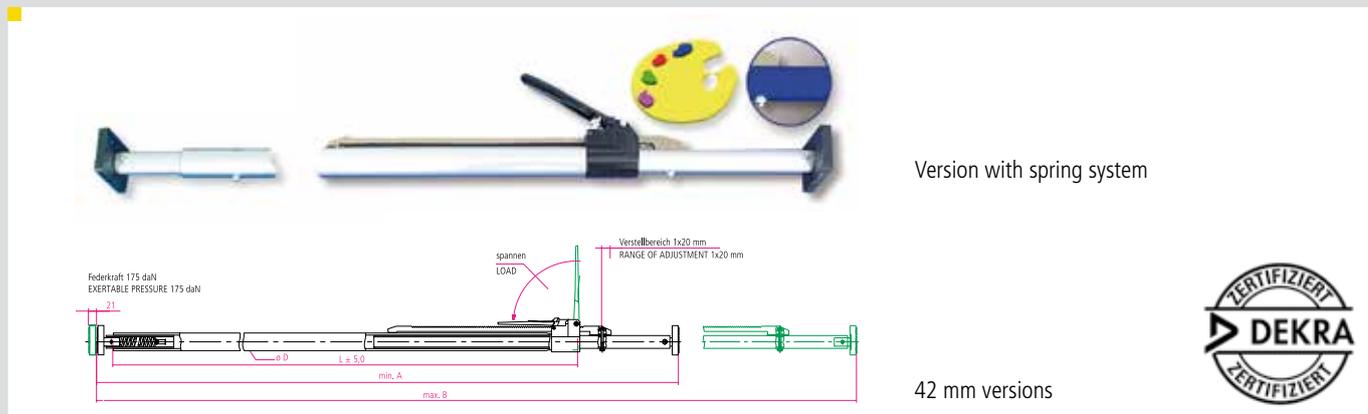


Needle embossing

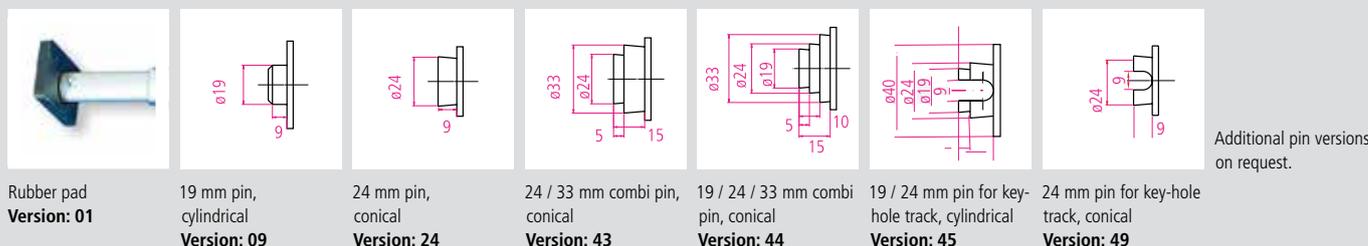


Powder coated versions

# WISTRA aluminium cargo bar



## End pin versions



When ordering, please note the positions of the end pins: the first one is on the spring side/the second one on the telescope side!

Standard versions 38 mm	Item No.	Application range	Weight	Blocking capacity *)
Cargo bar 1867 rubber pad/pin XX	<b>22186701 XX 20</b>	2,260 – 2,630 mm	4.2 kg	up to 150 daN
Cargo bar 1867 pin XX/rubber pad	<b>221867 XX 0120</b>		4.2 kg	
Cargo bar 1867 pin XX/pin XX	<b>221867 XX XX 20</b>		4.2 kg	
Standard versions 42 mm	Item No.	Application range	Weight	Blocking capacity *)
Cargo bar 1842 rubber pad/pin XX	<b>22184201 XX 20</b>	2,100 – 2,470 mm	4.6 kg	up to 150 daN
Cargo bar 1842 pin XX/rubber pad	<b>221842 XX 0120</b>		4.6 kg	
Cargo bar 1842 pin XX/pin XX	<b>221842 XX XX 20</b>		4.6 kg	
Cargo bar 1843 rubber pad/pin XX	<b>22184301 XX 20</b>	2,350 – 2,720 mm	4.7 kg	
Cargo bar 1843 pin XX/rubber pad	<b>221843 XX 0120</b>		4.7 kg	
Cargo bar 1843 pin XX/pin XX	<b>221843 XX XX 20</b>		4.7 kg	
Cargo bar 1844 rubber pad/pin XX	<b>22184401 XX 20</b>	2,500 – 2,870 mm	4.8 kg	
Cargo bar 1844 pin XX/rubber pad	<b>221844 XX 0120</b>		4.8 kg	
Cargo bar 1844 pin XX/pin XX	<b>221844 XX XX 20</b>		4.8 kg	
Cargo bar 1845 rubber pad/pin XX	<b>22184501 XX 20</b>	2,650 – 3,020 mm	4.9 kg	
Cargo bar 1845 pin XX/rubber pad	<b>221845 XX 0120</b>		4.9 kg	
Cargo bar 1845 pin XX/pin XX	<b>221845 XX XX 20</b>		4.9 kg	

## Options



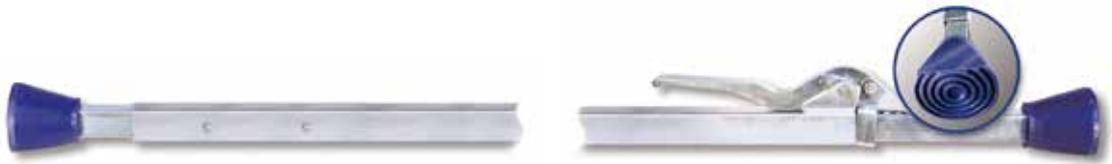
Needle embossing



Powder coated versions

\*) Blocking capacity depends on the rigidity of the vehicle body and the anti slip properties of the base

## WISTRA steel cargo bar



Version	Item No.	Application range	Weight
Cargo bar 1840	<b>221840000012</b>	1,900 - 2,800 mm	7.0 kg



Version	Item No.	Application range	Weight
Cargo bar 1938	<b>221938010012</b>	2,300 - 2,900 mm	6.6 kg

# Decking beam

## WISTRA aluminium decking beam 1839 HQ

End pin versions



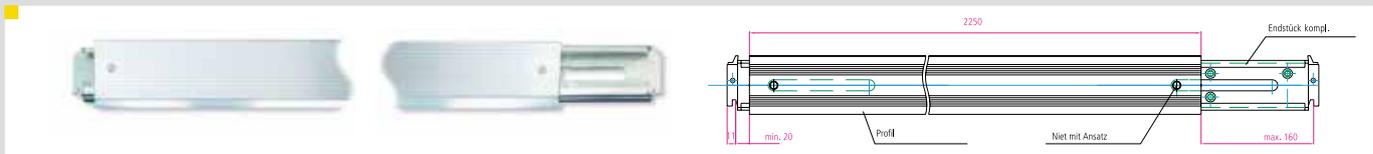
Complete extension of the end pieces possible on both ends

On one side end piece fixed, on the other side complete extension possible

On one side end piece fixed, on the other side complete extension possible with longitudinal latching

for key hole: Complete extension of the end pieces possible on both ends

for Talfix system: Complete extension of the end pieces possible on both ends



Version with stay pipe length 2,250 mm	Item No.	Application range	Blocking capacity / bearing capacity *)
Decking beam 1839 Type A	<b>22183900-2250</b>	2,310-2,530 mm	1,100/1,300 daN
Decking beam 1839 Type B	<b>22183901-2250</b>	2,310-2,400 mm	1,100/1,300 daN
Decking beam 1839 Type C	<b>22183902-2250</b>	2,310-2,400 mm	1,100/1,300 daN
Decking beam 1839 Type AS	<b>22183930-2250</b>	2,370-2,590 mm	1,100/1,300 daN
Decking beam 1839 Type AT	<b>22183940-2250</b>	2,310-2,530 mm	1,100/1,300 daN

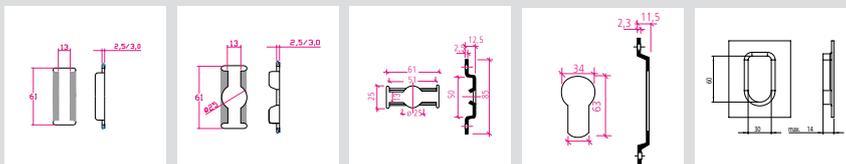
Version with stay pipe length 2,350 mm	Item No.	Application range	Blocking capacity / bearing capacity *)
Decking beam 1839 Type A	<b>22183900-2350</b>	2,410 - 2,630 mm	1,100/1,300 daN
Decking beam 1839 Type B	<b>22183901-2350</b>	2,410 - 2,500 mm	1,100/1,300 daN
Decking beam 1839 Type C	<b>22183902-2350</b>	2,410 - 2,500 mm	1,100/1,300 daN
Decking beam 1839 Type AS	<b>22183930-2350</b>	2,470 - 2,690 mm	1,100/1,300 daN
Decking beam 1839 Type AT	<b>22183940-2350</b>	2,410 - 2,630 mm	1,100/1,300 daN

\*) Blocking capacity/bearing capacity for constant surface loading to 2,500 mm application range

Decking beam Type A, B, C suitable for:

Decking beam Type AS suitable for:

Decking beam Type AT suitable for:



further options

### WIS repair set for decking beam 221839/221838 Type A/B

consisting of:

- 1 x end piece for decking beam
- 1 x sleeve nut
- 2 x head screw I-6Kt.
- Unit of quantity set

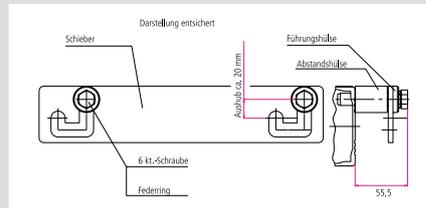
**Item No. 22183905**

## WISTRA aluminium decking beam 1839 HQ with palette

### Palette for decking beams and sliding decking beams

Double storey loading systems allow loading of palettes on the 2<sup>nd</sup> level for non-stackable load units. The decking beam is thereby used as support and securing of the load units. Under certain circumstances only one decking beam may be possible in the vicinity of the door due to space availability. The WISTRA palette securing on the decking beam is a cost-effective and safe

option of preventing sliding of load units during braking and accelerating.



Version with stay pipe length 2,250 mm and three mounted safety features for palettes	Item No.	Application range	Blocking capacity / bearing capacity *)
Decking beam 1839 Type B - PL3	<b>22183901-2250-3</b>	2,310-2,400 mm	1,300/1,000 daN
Decking beam 1839 Type C - PL3	<b>22183902-2250-3</b>	2,310-2,400 mm	1,300/1,000 daN
Decking beam 1839 Type AS - PL3	<b>22183930-2250-3</b>	2,370-2,590 mm	1,300/1,000 daN

Version with stay pipe length 2,350 mm and three mounted safety features for palettes	Item No.	Application range	Blocking capacity / bearing capacity *)
Decking beam 1839 Type B - PL3	<b>22183901-2350-3</b>	2,410 - 2,500 mm	1,300/1,000 daN
Decking beam 1839 Type C - PL3	<b>22183902-2350-3</b>	2,410 - 2,500 mm	1,300/1,000 daN
Decking beam 1839 Type AS - PL3	<b>22183930-2350-3</b>	2,470 - 2,690 mm	1,300/1,000 daN

\*) Blocking capacity/bearing capacity for constant surface loading to 2,500 mm application range

Palette is also available for Type A and Type AT.

### Options for the shown shoring beams



Engraving



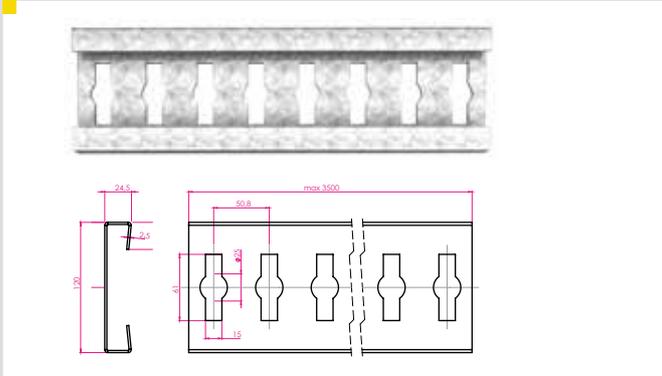
Needle embossing



Powder coated versions

# Longitudinal Bars

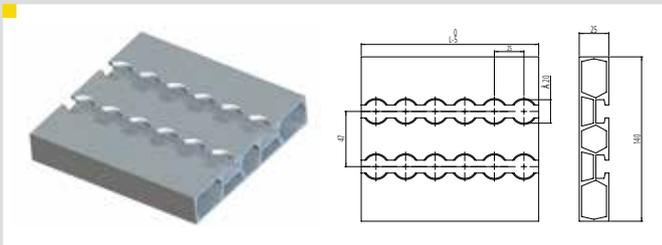
## Longitudinal Bars



### Item No. 22 6030 09 XXXX

Application: together with clamp keeper  
 Material: steel, zinc plated  
 Suitability: longitudinal tracks with decking beams for form-fit load securing and lashings with end-fitting 826 and 822  
 Length: 3,500 mm or when placing the order please indicate the required length (XXXX)

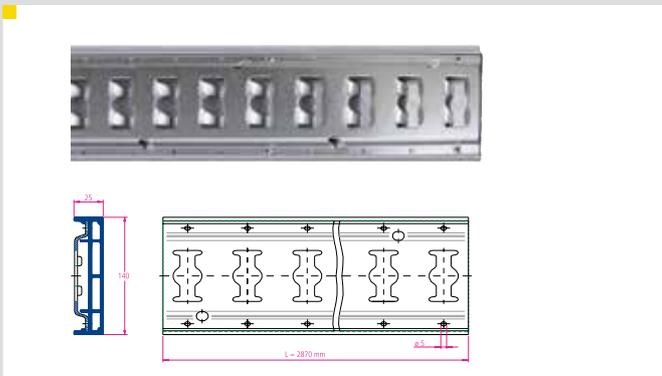
## Longitudinal Bars



### Item No. 22 2104 00 XXXX

Application: together with clamp keeper  
 Material: Aluminium  
 Suitability: as longitudinal bar/DDS-CS plank for inserting airline beams, shoring beams and lashing belts with airline end fittings  
 Length: 3,500 mm or shorter according to individual specifications possible (XXXX)

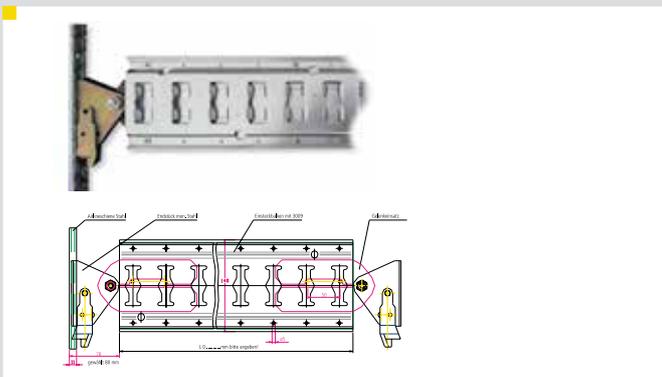
## Longitudinal Bars



### Item No. 22 4030 09 XXXX

Application: together with clamp keeper  
 Material: Aluminium profile with anchor-combi-track 3009 steel, zinc plated – other lashing tracks as option  
 Suitability: longitudinal tracks with decking beams for form-fit load securing and lashings with end-fitting 826 and 822  
 Length: when placing the order please indicate the required length (XXXX)

## Longitudinal Bars with slide



### Item No. 22 4130 09 XXXX

Application: together with airline steel track 21 5001 312012  
 Material: Aluminium profile with anchor-combi-track 3009 steel, zinc plated – other lashing tracks as option  
 Suitability: as longitudinal bars adjustable in height with decking beams for form-fit load securing and lashings with end-fitting 826 and 822  
 Length: when placing the order please indicate the required length and the internal dimension between beads (XXXX)

# Parting wall locks

## WISTRA aluminium parting wall lock 7452



Version	Item No.	Application range	Weight	Blocking capacity *)
Parting wall lock with cast end pieces	<b>237452900020</b>	2,400-2,700 mm	10.0 kg	400 daN
Parting wall lock with cast end pieces, individually packed in box	<b>237452900020K</b>	2,400-2,700 mm	10.3 kg	400 daN
Parting wall lock with cast end pieces	<b>2374529-2100</b>	2,100-2,400 mm	9.1 kg	400 daN
Parting wall lock with cast end pieces	<b>2374529-1800</b>	1,800-2,100 mm	8.9 kg	400 daN

Accessories	Item No.
Insert sleeve profile	<b>237459900440</b>
Protective cap end piece	<b>237459900140</b>

## WISTRA Aluminium parting wall lock 7453



Version	Item No.	Application range	Weight	Blocking capacity *)
parting wall lock	<b>237453000020</b>	2,400-2,700 mm	7.7 kg	400 daN

\*) Blocking capacity: BC 400 daN for constant surface loading to 2,700mm application range

### Options



Needle embossing

## WISTRA parting wall lock with pressure part and BoardClamp



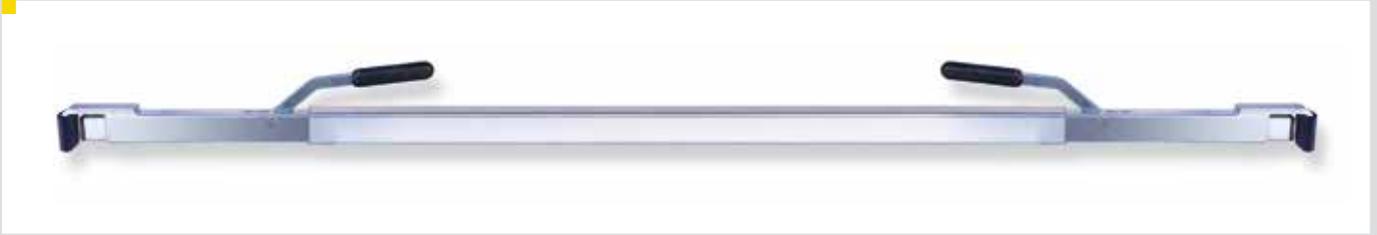
Example in combination with WISTRA parting wall lock 7452

By combining the parting wall lock, the pressure part and the BoardClamp lashing strap, the blocking force increases by up to 100%, depending on the structural strength.

Designation	Unit of quantity	Item No.
Deflector unit for parting wall lock	Pieces	<b>160080000012</b>

# WISTRA steel parting wall lock

## Parting wall lock S4



Version	Item No.	Application range	Weight
Square parting wall lock S4	<b>237430000012</b>	1,920-2,720 mm	7.5 kg

## Options



Needle embossing

## WISTRA parting wall options

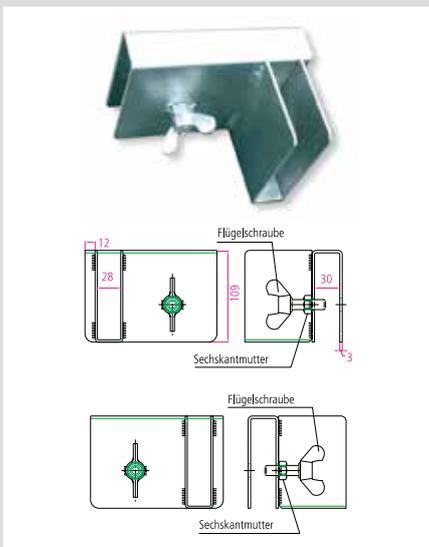
### Parting wall lock WTV



- Clamping range (Endstück 140000060200) 25-30 mm
- Lashing capacity LC bis 500 daN in straight tension
- Manufactured and tested in terms of EN 12195-2: current version
- Tensioning element ratchet 916
- Strap 50 mm – durable due to PU coated webbing (PES)
- Stretch  $\leq$  7%

Designation	Unit of quantity	Item No.
WTV 1000 0,5+3,0 green	Pieces	<b>237552010</b>
WTV 1000 0,5+3,5 green	Pieces	<b>237552011</b>
WTV 1000 0,5+4,5 green	Pieces	<b>237552012</b>
WTV 1000 0,5+5,5 green	Pieces	<b>237552013</b>
WTV 1000 0,5+6,5 green	Pieces	<b>237552014</b>
WTV 1000 0,5+7,5 green	Pieces	<b>237552015</b>

### Clamp keepers



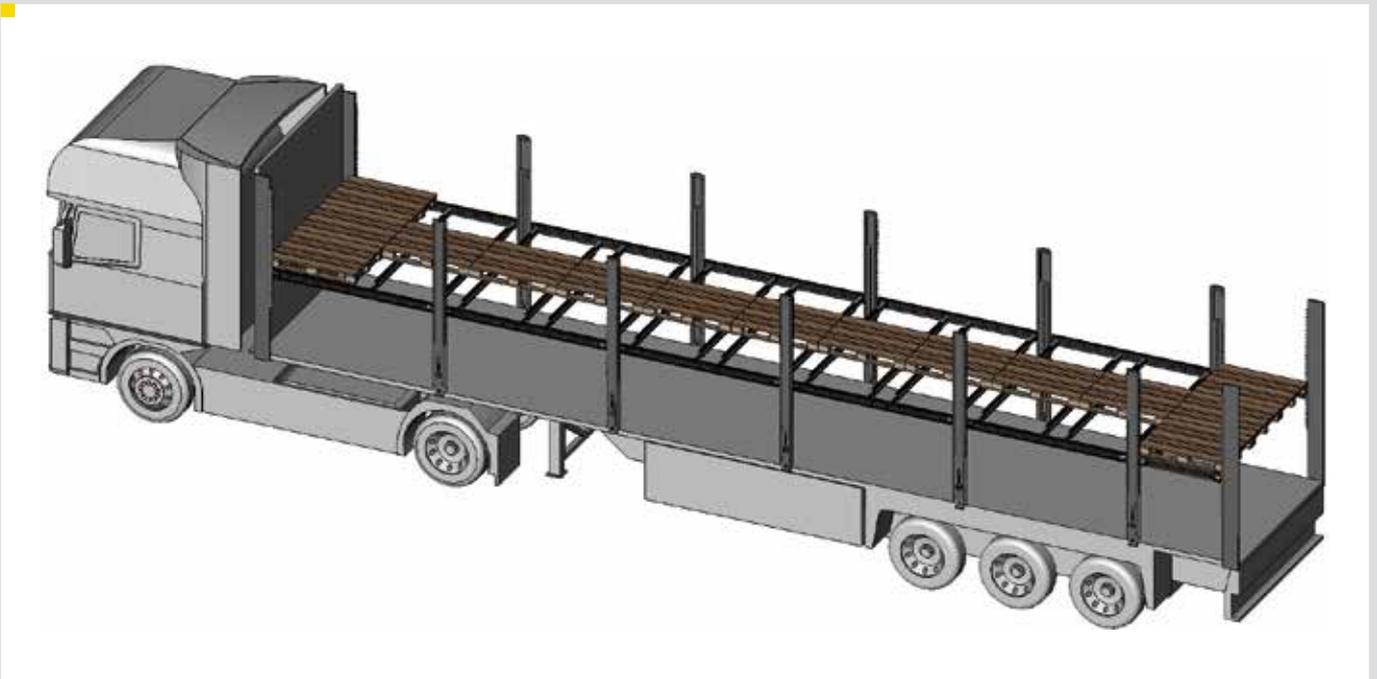
Steel, galvanised

Designation	Unit of quantity	Item No.
Clamp keeper - left	Pieces	<b>235001000012</b>
Clamp keeper - right	Pieces	<b>235000000012</b>

# Double-Decking-System for curtain-sider with 5 pairs of pillars

System components for 13.62m standard semi-trailer (other dimensions on request):

Designation	Standard length	Item No.	Max. load	Quantity
Longitudinal bar	2,220 mm	<b>22 8000 97 01 15</b>	1,500 daN	10
Longitudinal bar	1,070 mm	<b>22 8000 97 02 15</b>	1,500 daN	2
Carrier bar	2,220 mm - 2,510 mm	<b>22 8000 87 00 20</b>	1,000 daN	22



## Description:

- Optimum use of the loading space by creating 33 Europallet storage positions on the 2nd loading level. Cargo with different heights can be effortlessly loaded.
- Easy, intuitive operation
- Variable in height in 50 mm grids
- Unused carrier bars are parked between the pillars.
- Longitudinal latching of the carrier bars for stabilizing the vehicle body
- The placement surface for the pallets is approx. 15 mm below the top edge of the longitudinal bar and therefore serves as pallet stop. Pallets cannot slide into the tarpaulin.
- Form-closed load securing possible, also with axle load-optimised partial loading with additional carrier or longitudinal bars.
- The maximum strain on the form closure with even strain is 500 daN. The prerequisite is sufficient structural strength (Code XL certificate with standard semi-trailers)
- Total load-bearing capacity of the 2nd loading level is generally 10,000 kg to 11,000 kg (depending on the specifications of the trailer manufacturer)
- Maximum pallet weight: 500 kg
- Additional diagonal lashing is possible
- DDS-CS plank pockets can be installed in the double-decking pillars and adjusted in height

**Note:** The maximum strain on the 2nd loading level is specified by the semi-trailer or vehicle manufacturer.

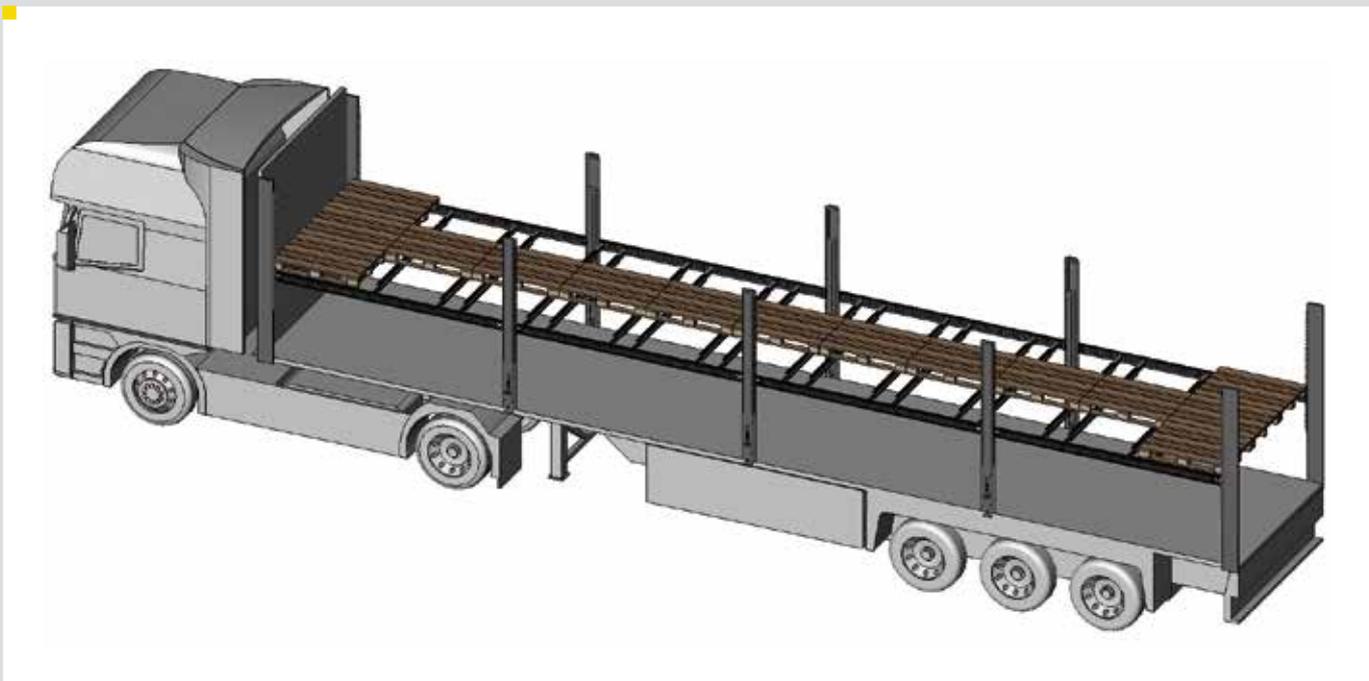
A retrospective installation that has not been approved by the manufacturer may lead to the withdrawal of the XL certificate and/or factory warranty.



Scan in QR code and watch video.

# Double-Decking-System "light" for curtain-sider with 3 pairs of pillars in standard position

Designation	Special length	Item No.	Max. load	Quantity
Longitudinal bar	3,120 mm	<b>22 8000 97 07 15</b>	1.150 daN	8
Carrier bar	2,220 mm - 2,510 mm	<b>22 8000 87 00 20</b>	1.000 daN	22



Basic functionality as with the variant with 5 pairs of stanchions with the following deviations:

- The structure retains the serial triple pillars positions. With the corresponding approval of the trailer manufacturer, it is therefore very easy to retrofit the system with double-decking pillars.
- Maximum load-bearing capacity on the top/second loading level: approximately 6,000 kg (depending on the approval of the trailer manufacturer).
- Maximum pallet weight on the top/second loading level: approximately 275 kg
- Storage of unused carrier bars in the pallet storage box

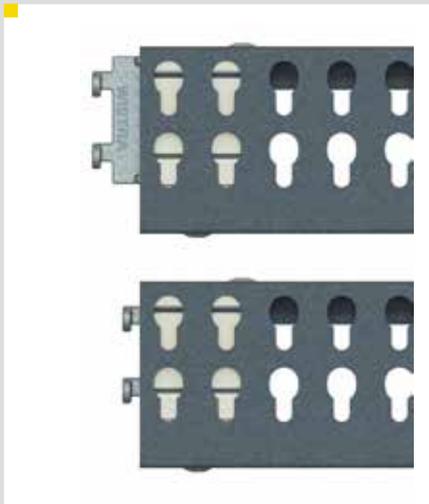
Scan in QR code and watch video.



## Application range and special lengths

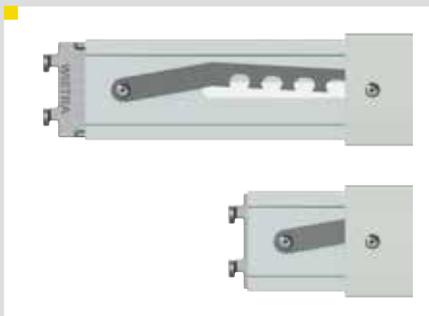
### Longitudinal steel beams with keyhole:

Profile length = 2,200 mm → Application range from 2,225 mm ... 2,240 mm  
 1,070 mm → Application range from 1,095 mm ... 1,110 mm  
 3.120 mm → Application range from 3,145 mm ... 3,160 mm



### Aluminium carrier bars with extensions on both sides and length limiter:

Profile length = 2,000 mm → Application range from 2,220 mm ... 2,510 mm

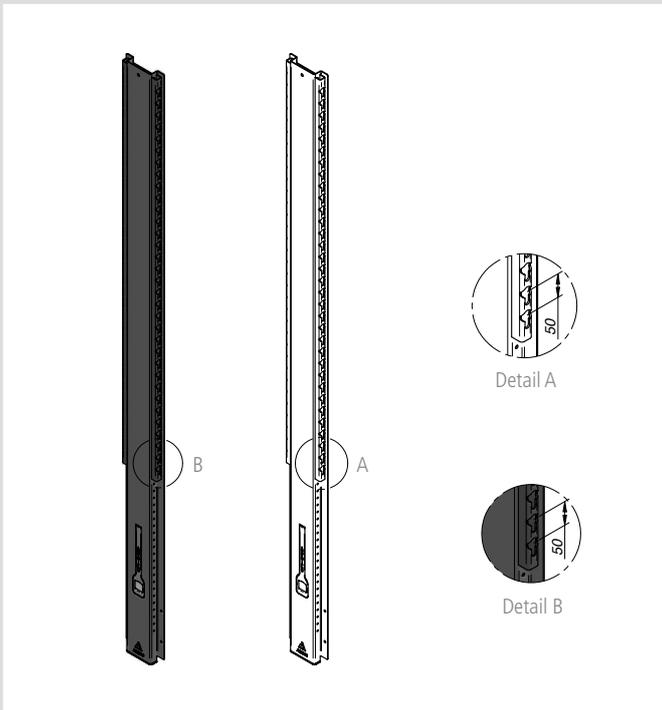


## Bow base support for Double-Decking-System curtain-sider



Designation	Unit of quantity	Weight	Item No.
Bow base support for Double-Decking-system curtain-sider	Pieces	0.34 kg	<b>228010001</b>

## ADAICO vehicle construction components



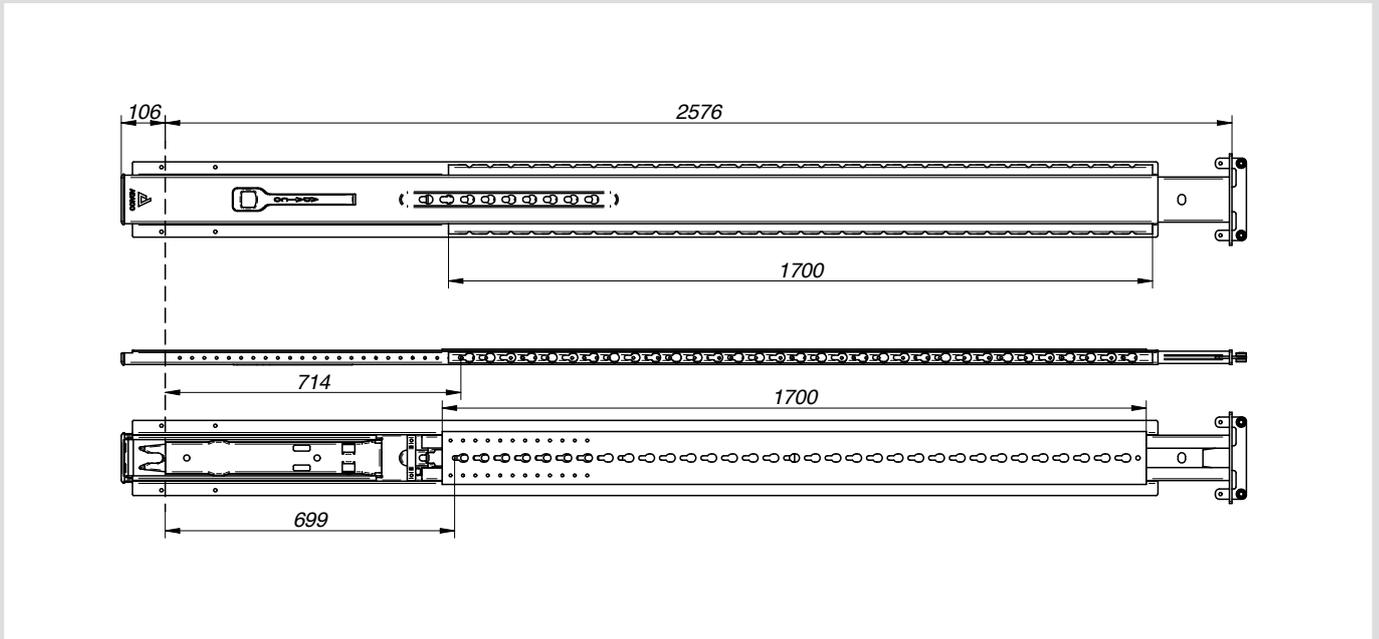
### WIS Item No. 228010002

ADAICO sliding pillar with vertical and internal keyhole recesses, 2,587 to 2,987 mm, cathodic dip-coated, black

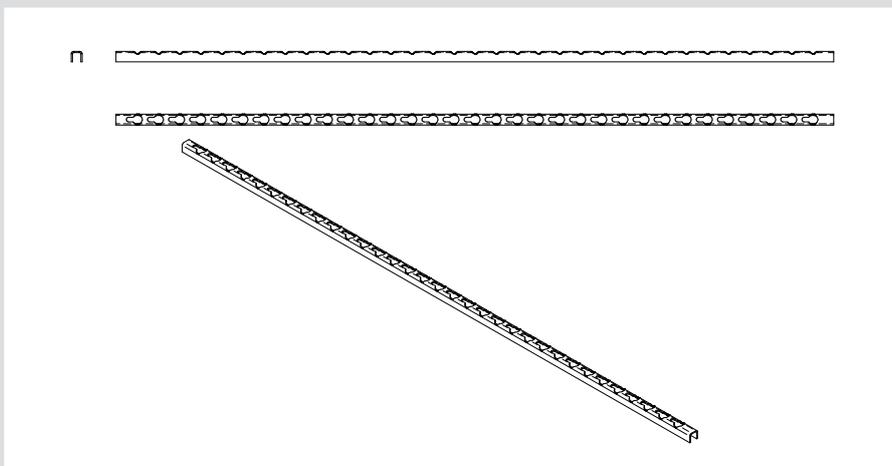


### WIS Item No. 228010003

ADAICO pillar extension kit with trolley, with cathodic dip coating, black

**WIS Item No. 228010002**

(drawing with 228010003)

**WIS Item No. 228010004**

ADAICO keyhole U-profile for front and rear portal for welding on, black

**WIS-ArtikelNr. 228010006**

ADAICO pillar chassis hook for welding, 88 mm, black

## WISTRA double storey systems

WISTRA sliding decking beams are manufactured from high strength aluminium profile 66 x 84 mm. Due to their high carrying capacity, sliding beams can be used both for rear load securing and for creating a second loading level.

The toothed profile surface offers secure standing of the loading unit. Sliding decking beams are manufactured with different end pieces, which are applied in connection with guiding tracks as double storey systems.

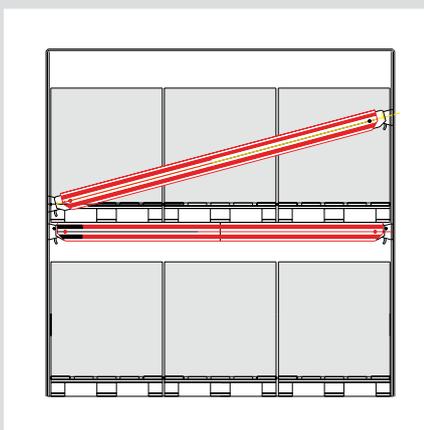
The rigidly mounted inserts allow a wide range of application in the free inside dimension due to their telescoping capability.



WISTRA double storey systems are manufactured in different versions and can be attached at variable heights.

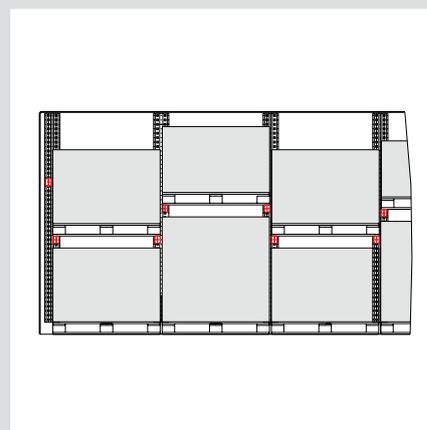
WISTRA sliding decking beams can be slid under the ceiling when they are not in use.

WISTRA pallet securing can additionally be mounted on the sliding decking beam. A pallet is easily pushed over the profile edge, so that the pallet is secured by form-fit in the longitudinal direction.



Rear view:

Use of sliding decking beams as double storey system and for rear load securing



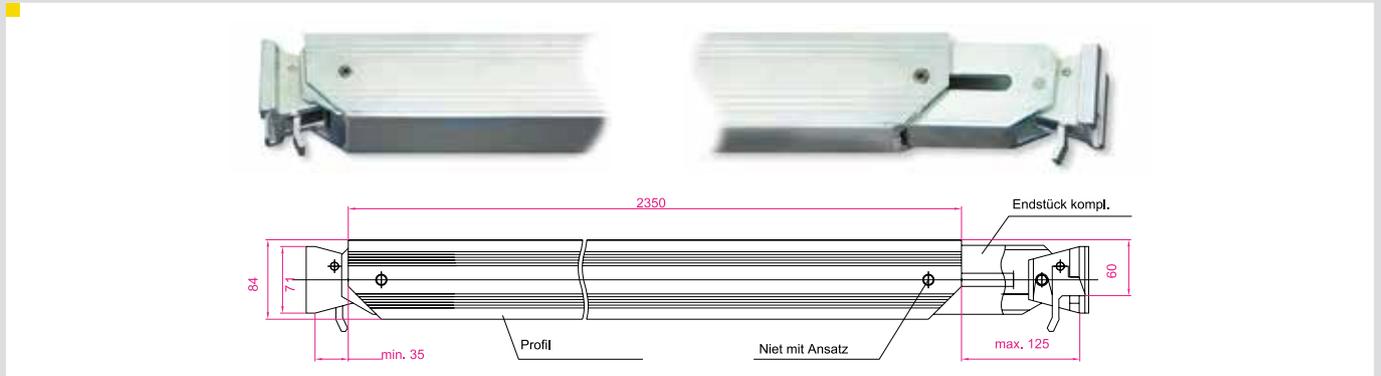
Side view:

Use of sliding decking beams as double storey system

# WISTRA sliding decking beams

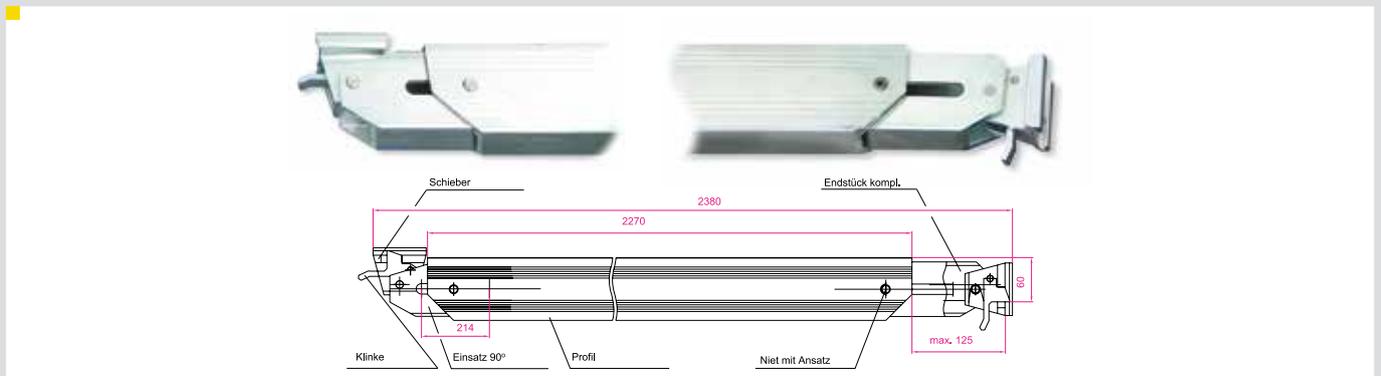
**Sliding decking beam 7007** (Guiding tracks 7002, 7003 + 7103 – 50 mm track width)

**Sliding decking beam 7008** (Guiding tracks – 68 mm track width)



Version	Item No.	Application range	Weight	Blocking capacity / bearing capacity *)
Sliding decking beam 7007	<b>227007000020</b>	2,450- approx. 2,530 mm	7.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 7007 with 3-fold pallet securing	<b>227007000020-3</b>	2,450- approx. 2,530 mm	10.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 7008	<b>227008000020</b>	2,450- approx. 2,530 mm	7.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 7008 with 3-fold pallet securing	<b>227008000020-3</b>	2,450- approx. 2,530 mm	10.7 kg	1,000 daN / 1,000 daN

**Sliding decking beam 7907** (Guiding tracks 7002, 7003 + 7103)



Version	Item No.	Application range	Weight	Blocking capacity / bearing capacity *)
Sliding decking beam 7907 One side with hinged slider up to 90° for ceiling track / park bracket	<b>227907000020</b>	2,450- approx. 2,675 mm	7.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 7907 with 3-fold pallet securing	<b>227907000020-PL3</b>	2,450- approx. 2,675 mm	10.7 kg	1,000 daN / 1,000 daN

\*) Blocking capacity / carrying capacity for constant surface loading

Options for the shown shoring beams



Engraving



Needle embossing



Powder coated versions



PL3



Unlocking bar

## WISTRA guiding tracks for sliding decking beams 7007, 7907

Guiding tracks for sliding decking beams are mainly used for a height adjustable double storey configuration. The mounted tracks have an installation height of 12 mm / 17 mm.

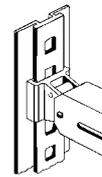
The distance between the lower edge of the grid hole to the roof should be 65 mm for optimal utilisation of the internal height.

A clearance of approximately 75 mm to the floor or the baseboard should be maintained or else the version with milling grooves should be selected to allow insertion of the tracks.

Track width: 50 mm



with milling grooves



without milling grooves

### Single aluminium guiding track 7002



Designation	Weight	length	Item No.
Single aluminium guiding track without milling groove	2.4 kg	1,960 mm	<b>227002000020</b>
Single aluminium guiding track with milling groove	2.4 kg	1,960 mm	<b>227002010020</b>

### Tandem aluminium guiding track 7002



Designation	Weight	length	Item No.
Tandem aluminium guiding track without milling groove	4.7 kg	1,960 mm	<b>227002040020</b>
Tandem aluminium guiding track with milling grooves	4.7 kg	1,960 mm	<b>227002050020</b>

### Single steel guiding track 7003



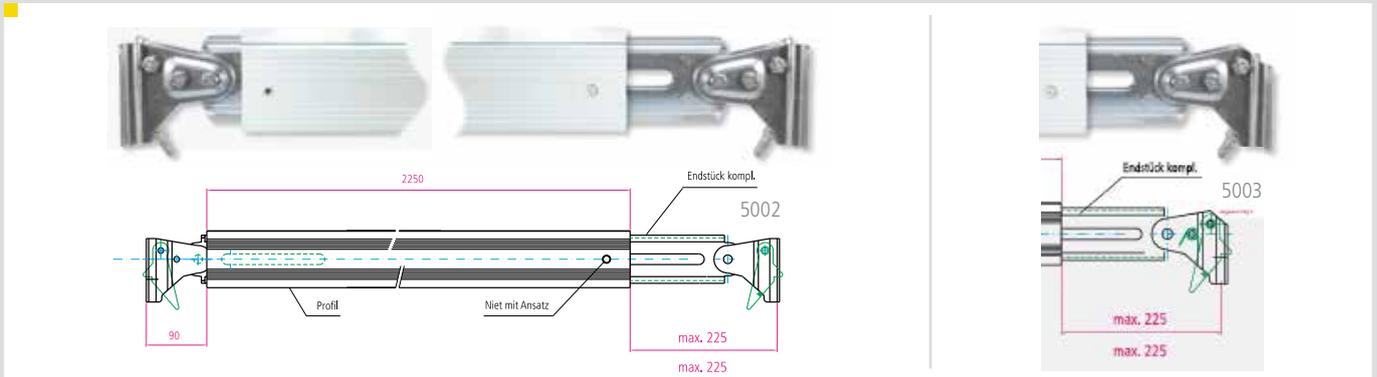
Designation	Weight	length	Item No.
Single steel guiding track without milling groove, primed	4.7 kg	2,500 mm	<b>227003010015</b>
Single steel guiding track with milling groove, primed	4.7 kg	2,500 mm	<b>227103010015</b>

### Tandem steel guiding track 7003



Designation	Weight	Length	Item No.
Tandem steel guiding track without milling groove, primed	9.9 kg	2,500 mm	<b>227003020015</b>
Tandem steel guiding track with milling groove, primed	9.9 kg	2,500 mm	<b>227103020015</b>

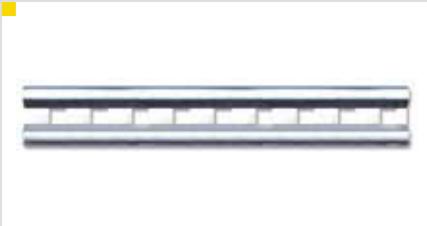
## Sliding decking beam 5002/5003



Version	Item No.	Application range / maximum extension	Weight	Blocking capacity / bearing capacity *)
Sliding decking beam 5002	<b>225002000012</b>	2,450- approx. 2,530 mm	10.9 kg	1,000 daN / 1,000 daN
Sliding decking beam 5002 with 3-fold pallet securing	<b>225002000012-3</b>	2,450- approx. 2,530 mm	10.9 kg	1,000 daN / 1,000 daN
Sliding decking beam 5003 with bevelled slider	<b>225003000012</b>	2,450- approx. 2,530 mm	13.9 kg	1,000 daN / 1,000 daN
Sliding decking beam 5003 with bevelled slider and 3-fold pallet securing	<b>225003000012-3</b>	2,450- approx. 2,530 mm	13.9 kg	1,000 daN / 1,000 daN

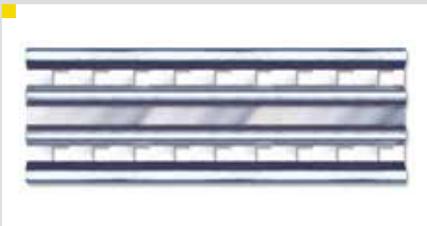
\*) Blocking capacity / carrying capacity for constant surface loading

### Single steel guiding track 7004



Designation	Weight	length	Item No.
Single steel guiding track without milling groove, primed	6.3 kg	2,480 mm	<b>on request</b>
Single steel guiding track without milling groove, steel galvanised	6.3 kg	2,480 mm	<b>on request</b>

### Tandem steel guiding track 7004



Designation	Weight	length	Item No.
Tandem steel guiding track without milling groove, primed	13.0 kg	2,480 mm	<b>on request</b>
Tandem steel guiding track without milling groove, steel galvanised	13.0 kg	2,480 mm	<b>on request</b>

### Options



Engraving



Needle embossing



Powder coated versions

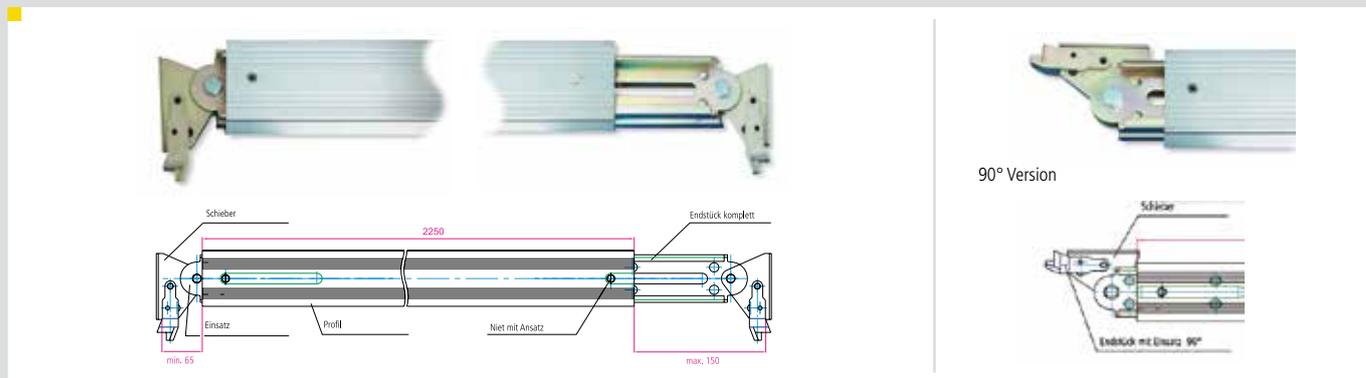


PL3



Unlocking bar

## Sliding decking beam 5001



Version	Item No.	Application range	Weight	Blocking capacity / bearing capacity *)
Sliding decking beam 5001	<b>225001000012</b>	2,450- approx. 2,530 mm	10.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 5001 with 3-fold pallet securing	<b>225001000012-3</b>	2,450- approx. 2,530 mm	13.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 5001 One side with hinged slider up to 90° for ceiling track / park bracket	<b>225001009012</b>	2,450- approx. 2,530 mm	10.7 kg	1,000 daN / 1,000 daN
Sliding decking beam 5001 with 3-fold pallet securing One side with hinged slider up to 90° for ceiling track / park bracket	<b>225001009012-3</b>	2,450- approx. 2,530 mm	13.7 kg	1,000 daN / 1,000 daN

\*) Blocking capacity / carrying capacity for constant surface loading

## Single steel airline lashing track 5001



Designation	Weight	length	Item No.
Single steel airline lashing track without milling groove, steel galvanised	13.0 kg	2,400 mm	<b>215001312012</b>

### Options



Engraving



Needle embossing



Powder coated versions

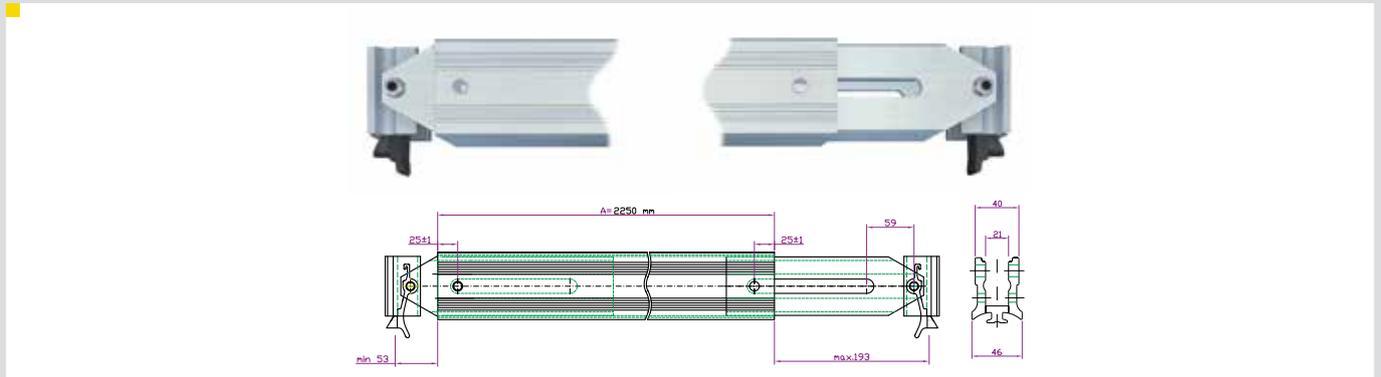


PL3



Unlocking bar

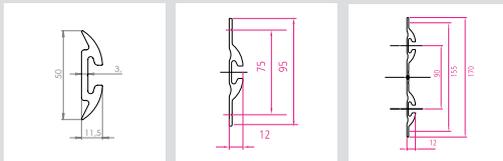
## Sliding decking beam 7104



Version with single fixing	Item No.	Application range	Weight	Blocking capacity / bearing capacity *)
Sliding decking beam 7104	<b>227104000020</b>	2,370- approx. 2,600 mm	7.3 kg	1,000 daN / 1,000 daN
Sliding decking beam 7104 with 3-fold pallet securing	<b>227104000020-3</b>	2,370- approx. 2,600 mm	10.3 kg	1,000 daN / 1,000 daN
Sliding decking beam 7104	<b>227104001020</b>	2,470- approx. 2,700 mm	7.3 kg	1,000 daN / 1,000 daN
Sliding decking beam 7104 with 3-fold pallet securing	<b>227104001020-3</b>	2,470- approx. 2,700 mm	10.3 kg	1,000 daN / 1,000 daN

\*) Blocking capacity / carrying capacity for constant surface loading

Suitable for half-round airline lashing track



5503

5000

5020

### Options



Engraving



Needle embossing



Powder coated versions

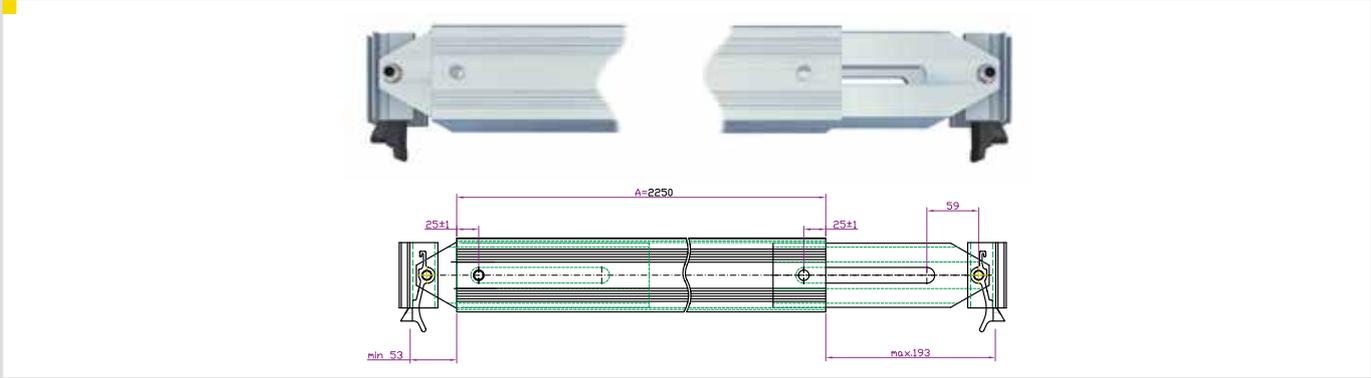


PL3



Unlocking bar

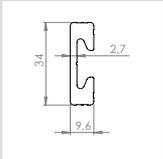
# Sliding decking beam 7105



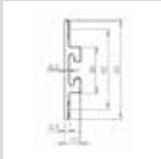
Version with single fixing	Item No.	Application range	Weight	Blocking capacity / bearing capacity *)
Sliding decking beam 7105	<b>227105000020</b>	2,370- approx. 2,600 mm	7.3 kg	1,000 daN / 1,000 daN
Sliding decking beam 7105 with 3-fold pallet securing	<b>227105000020-3</b>	2,370- approx. 2,600 mm	10.3 kg	1,000 daN / 1,000 daN
Sliding decking beam 7105	<b>227105001020</b>	2,470- approx. 2,700 mm	7.3 kg	1,000 daN / 1,000 daN
Sliding decking beam 7105 with 3-fold pallet securing	<b>227105001020-3</b>	2,470- approx. 2,700 mm	10.3 kg	1,000 daN / 1,000 daN

\*) Blocking capacity / carrying capacity for constant surface loading

Suitable for flat airline lashing track



5504



5501

## Options



Engraving



Needle embossing



Powder coated versions

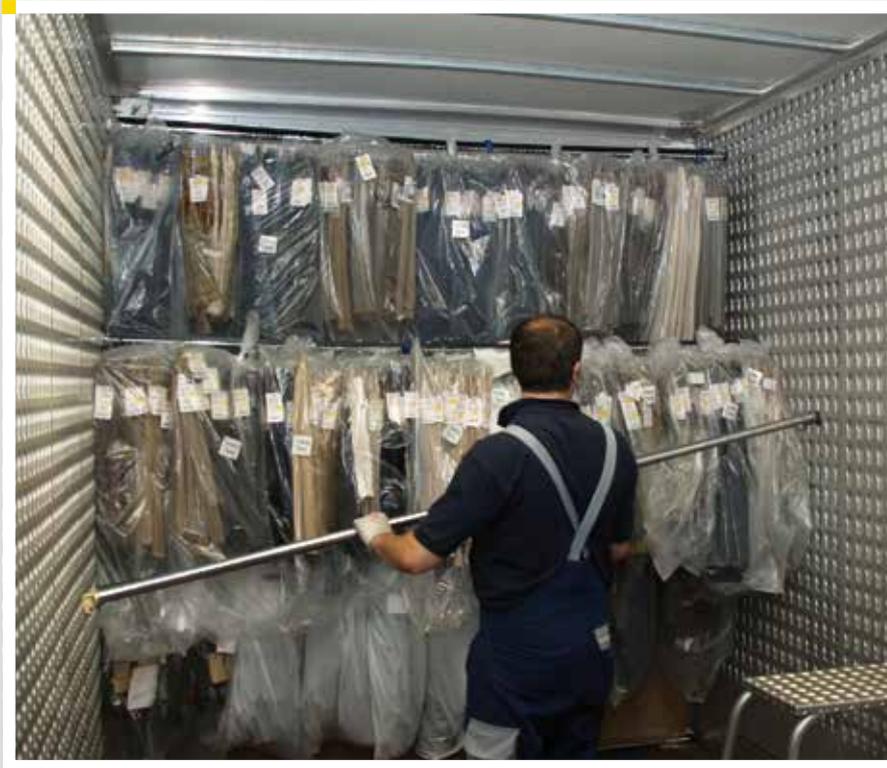


PL3



Unlocking bar

# WISTRA transport garment rails



WISTRA garment rails made of high strength steel are extremely light with high carrying capacity. Carrying capacity of up to 400 kg for constant line load.

The 35 mm stay pipe made of high strength special steel is chrome plated and offers optimal utilisation of the inside width of the vehicle body.

The fixing axle 15 x 15 mm is fixed by 2 Velcro strips.

## Assembly in the standard version

- Chrome plated stay pipe - length 2,370 mm other dimensions on request
- Aluminium fixing axle black powder coated – 15x15 mm other dimensions on request
- 2 pieces Velcro strip other quantities on request
- End pieces and spring function, matching end piece / transport means

## Option

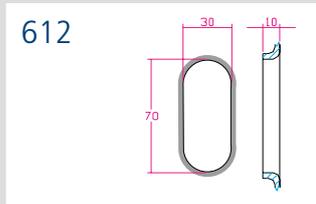
Fixing axle covered with plastic spiral hose prevents sideways displacement of the hangers.



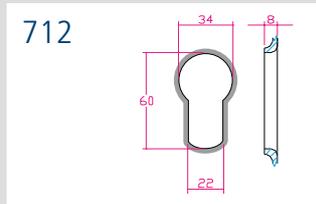
The garment rails are subjected to load carrying tests at regular intervals in the own test facilities.

In this way it is ensured that the WISTRA garment rails distinguish themselves with high practical value characterised.

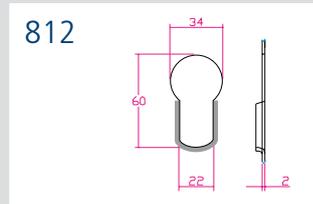
## Lashing tracks and perforated plate forms



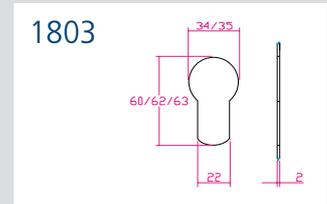
612  
KST L6  
KST K7



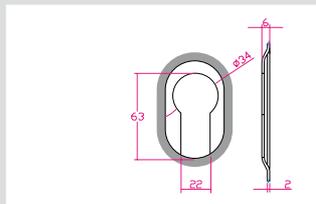
712  
KST L6 U71  
KST K7 S7



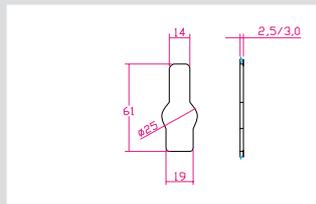
812  
KST L6 U71  
KST K7 S7



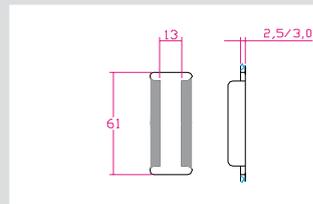
1803  
KST U71  
KST S7



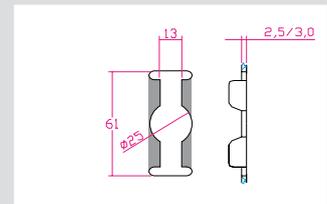
KST U71  
KST S7



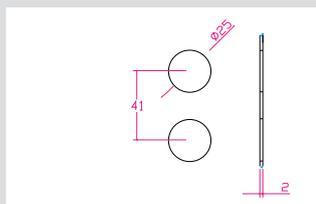
KST U71



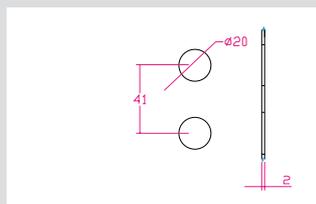
KST U71



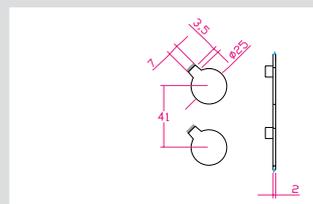
KST U71



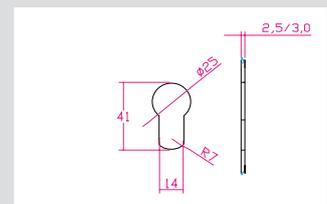
KST on request  
KST on request



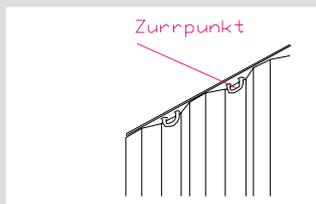
KST on request  
KST on request



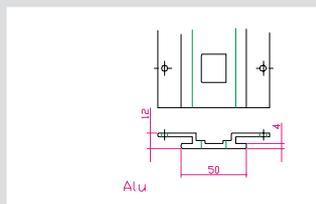
KST on request  
KST on request



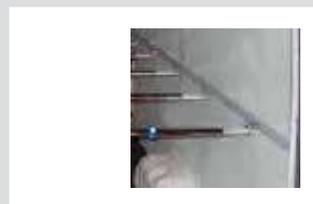
KST on request  
KST on request



KST C7



KST F7



KST TA

The forms can have small dimensional deviations.  
Please contact your WISTRA team if you have any questions.

We will gladly coordinate customer-specific solutions with you.

## Garment rail K7



- Plastic end pieces with steel core
- Stay pipe chrome plated – 2,370 mm
- Tension spring function

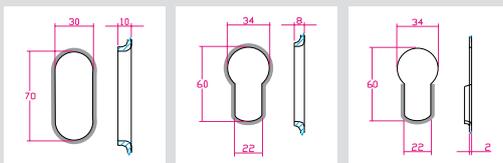
Version	Item No.	Application range	Weight	Carrying capacity *)
Garment rail K7	<b>267191237017</b>	2,420 – 2,500 mm	5.3 kg	400 kg
Garment rail K7 in special length - stay pipe shorter than 2,370 mm	<b>on request</b>	according to specification		400 kg
Garment rail K7 in special length - stay pipe longer than 2,370 mm	<b>on request</b>	according to specification		**)

\*) Carrying capacity for constant loading

\*\*\*) The carrying capacity must be determined separately for this version.

D) The following data must be provided by the customer: free dimension(s) between lashing tracks

Suitable for perforated plate forms



612

712

812

# Garment rail U71



- Steel end piece
- Stay pipe chrome plated – 2,370 mm
- Without spring function

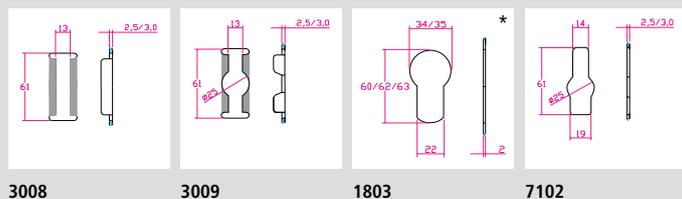
Version	Item No.	Application range	Weight	Carrying capacity *)
Garment rail U71	<b>267382137017</b>	2,420 – 2,500 mm	5.5 kg	400 kg
Garment rail U71 in special length – stay pipe shorter than 2370 mm	<b>on request</b>	According to specification D)		400 kg
Garment rail U71 in special length – stay pipe longer than 2370 mm	<b>on request</b>	According to specification D)		**)

\*) Carrying capacity for constant loading

\*\*\*) The carrying capacity must be determined separately for this version.

D) The following data must be provided by the customer: free dimension(s) between lashing tracks

## Suitable for perforated plate forms



\*of limited use

## Options



Velcro strip options



Needle embossing



Fixing axle with spiral hose

## Garment rail S7



- Steel end piece
- Stay pipe chrome plated – 2,370 mm
- With/without spring function

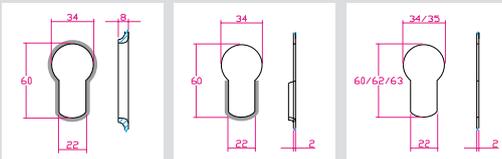
Version	Item No.	Application range	Weight	Carrying capacity *)
Garment rail S7 - without spring function	<b>267390337017</b>	2,420 – 2,500 mm	5.9 kg	400 kg
Garment rail S7 - pressure spring function	<b>267290337017</b>	2,420 – 2,500 mm	5.9 kg	400 kg
Garment rail S7 - without spring function in special length - stay pipe shorter than 2,370 mm	<b>on request</b>	According to specification D)		400 kg
Garment rail S7 - pressure spring function in special length - stay pipe shorter than 2,370 mm	<b>on request</b>	According to specification D)		400 kg
Garment rail S7 - without spring function in special length - stay pipe longer than 2,370 mm	<b>on request</b>	According to specification D)		**)
Garment rail S7 - pressure spring function in special length - stay pipe longer than 2,370 mm	<b>on request</b>	According to specification D)		**)

\*) Carrying capacity for constant loading

\*\*\*) The carrying capacity must be determined separately for this version.

D) The following data must be provided by the customer: free dimension(s) between lashing tracks

Suitable for perforated plate forms



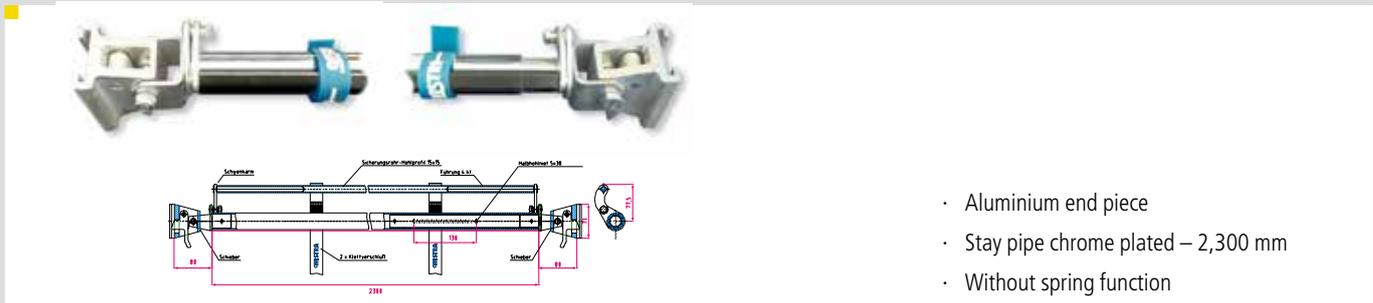
712

812

1803

Other combination options available on request.

## Garment rail F7



- Aluminium end piece
- Stay pipe chrome plated – 2,300 mm
- Without spring function

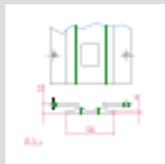
Version	Item No.	Application range	Weight	Carrying capacity *)
Garment rail F7	<b>267382230017</b>	2,460 – 2,500 mm	7.4 kg	400 kg
Garment rail F7 in special length - stay pipe shorter than 2,300 mm	<b>on request</b>	According to specification D)		400 kg
Garment rail F7 in special length - stay pipe longer than 2,300 mm	<b>on request</b>	According to specification D)		**)

\*) Carrying capacity for constant loading

\*\*\*) The carrying capacity must be determined separately for this version.

D) The following data must be provided by the customer: free dimension(s) between lashing tracks

Suitable for perforated plate form



7002

### Options



Velcro strip options



Needle embossing



Fixing axle with spiral hose



## Garment rail TA for airline lashing tracks



- Steel end piece for end-fitting 380
- Stay pipe chrome plated – 2,370 mm
- Without spring function
- Telescope function on both ends

Version for airline lashing tracks	Item No.	Application range	Weight	Carrying capacity *)
Garment rail TA in special length - stay pipe shorter than 2,370 mm	<b>267500000000</b>	According to specification D)		400 kg
Garment rail TA in special length - stay pipe longer than 2,370 mm	<b>on request</b>	According to specification D)		**)

\*) Carrying capacity for constant loading

\*\*\*) The carrying capacity must be determined separately for this version.

D) The following data must be provided by the customer: free dimension(s) between lashing tracks

Suitable for

TA for lashing tracks in connection with End-fitting



**EB 380**

### Options



Velcro strip options



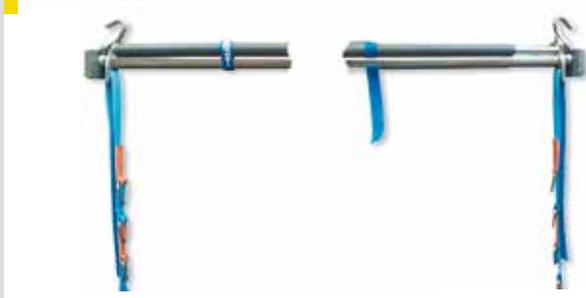
Needle embossing



Fixing axle with spiral hose

Other combination options available on request.

## Garment rail C7 "CONSTAR"



Hooks combined with rubber pad

- Stay pipe chrome plated – 2,280 mm
- 3 Velcro strips
- Fixing axle with plastic spiral hose
- Pressure spring function
- Optional CONSTAR level straps to accommodate additional CONSTAR garment transport rails

Version for half-round airline lashing tracks	Item No.	Application range	Weight	Carrying capacity *)
Garment rail C7 CONSTAR	<b>267286728017</b>		7.3 kg	400 kg
Garment rail C7 CONSTAR in special length stay pipe shorter than 2,370 mm	<b>on request</b>	According to specification D)		400 kg
Garment rail C7 CONSTAR in special length stay pipe longer than 2,370 mm	<b>on request</b>	According to specification D)		**)
CONSTAR level strap with D rings	<b>on request</b>			-
CONSTAR level strap	<b>on request</b>	According to specification E)		-

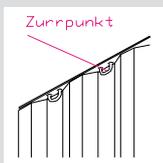
\*) Carrying capacity for constant loading

\*\*\*) The carrying capacity must be determined separately for this version.

D) The following data must be provided by the customer: free dimension(s) between lashing tracks

E) The following data must be provided by the customer: requested positions of the D rings as well as overall length

Suitable for



Version for container and swap bodies with beaded inside wall and lashing points arranged at the top. The fixing axle covered with plastic spiral hose prevents sideways displacement of the hangers.

267

The WISTRA team will gladly support you in view of the manifold versions of containers and swap bodies.

### Options



Velcro strip options



Needle embossing