

# SYSTEM CONFIGURATOR

## BOX VAN

**Load restraint Made in Germany**  
Custom-made load restraint systems



# Contents

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## Systems for box trailers

JF-system	page 4
ATD-system	page 14
STD-system	page 24



## Systems for box vehicles

BERND-system	page 30
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## Systems for curtainsiders

AJS-system	page 36
CTD-system	page 44
CRS-system	page 54



**allsafe**

made in germany seit 1964

# What you get at allsafe



## Safety

- positive locking load restraint – certified safety
- best practice – goods produced with tried and tested processes
- weight optimized products for law conformant security
- allsafe systems deliver extra stability to vehicle body

## Brand name products

- superior reliability – Made in Germany
- proven safety through dynamic road tests with full loads
- extensive endurance tests guarantee long life performance
- 2 year product guarantee with inspection manual and speedy spare parts service.

## User-friendly

- easy-to-use products with an ergonomic design
- ready-to-install systems with pre-assembled blocking devices
- 24 hour production, including free packaging and delivery within Germany
- numerous configuration possibilities through a wide range of components

## Time-saving

- intelligent systems allow quick loading processes
- system certification allow for quicker load restraint controls
- just-in-time delivery reduces your storage costs
- volume optimization by doubling the loading area

## Image

- market needs incite us to move towards the latest technologies
- engineering and production at allsafe sites Fuerstenwalde and Engen – Made in Germany
- original products certified by allsafe
- customized products with your part number and customer logo

# The System Configurator for box vans



No matter what you are transporting – at allsafe you will find a system which suits your needs. With just a few details about your vehicle and transport purpose, we can configure your individual system.

The QR-Code leads you to the respective assembly and installation manuals.

You're already using one of our systems? Then we'd be happy to hear your ideas and challenges. That is how new and even better system solutions are generated.

With our senior engineers and a modern production site in Engen, Germany you can expect quick and individual reactions to your demands.

Challenge us – we can do it!

We can do it all, however extra-ordinary  
**allsafe with system**



# JF-system

## Securing roll containers

Today food, flowers and textile rentals are being distributed on sorted and consigned roll containers from factories or logistic centers.

The mobile racks allow for easy loading and unloading, but securing them can be a real challenge!

With the JF-system you can latch the roll container with a fitting on the side walls at any position.

Securing is done with a few flicks of the wrist.

### Suitable for securing:

- roll containers
- cooling containers
- shelves
- flower racks

**1** The roll containers can be loaded and secured to the right or left of the vehicle with a middle aisle being built. Roll containers can be loaded and unloaded without unloading or moving other containers to the side.

**2** Closed with one flick of the wrist – guaranteed load capacity of 500 daN – even at -30°C. Only KERL JF can do that.

**3** Whether you're transporting full or partial loads – every situation is possible. Roll containers in the middle aisle can be secured with our KIM shoring pole.



### Your advantages:

- tidiness in your vehicle
- fully adjustable
- compatible with all common roll containers



Further information under:  
[www.allsafe-JF.info](http://www.allsafe-JF.info)

# JF-system | Load restraint for roll containers in insulated and distribution vehicles

## Description

The system consists of allsafe Airline guide tracks and the KERL JF fittings which enable full adjustment to ensure positive locking for roll containers. Extra load restraint equipment is also available such as the KIM shoring poles, straps and fittings.



### ► Airline guide track

Adhesive Airline guide track for securing roll containers



Advantages of adhesive Airline tracks:

- cost saving through adhesive technology
- mounting holes in Airline milling allows for exact fixation on wall with just a few screws to support the glue hardening process
- compatible with KERL JF fittings
- integrated Airline milling
- extensive variety of accessories available



#### TIP

**Order the JF- milled-out section directly!** This allows an easy insertion of KERL JF fix on the bulkhead and the insertion of non removable fittings.

### ► KERL JF – the heart of the new JF-system

Clamp fitting



This new and improved clamp fitting is like no other, when it comes to blocking forces with its certified 500 daN loading capacity. With this masterpiece, roll containers can hold up to 1.000 kg towards the rear and up to 625 kg towards the front. Operation temperature: -30 to 80°C.

Besides the three selectable widths

- 25 mm (compatible with common roll containers used in the food and linen rental industries)
- 35 mm (compatible with common roll containers used for flower racks)
- 45 mm (compatible with common EURO-stillage on wheels) you have the choice of fittings that can be inserted anywhere in the track, or fittings which can only be removed from the milled-out section, which serves as an anti-loss and theft protection.





## ► KERL JF fix

### End fitting



The end fitting KERL JF fix secures the first roll container towards the bulkhead and is inserted in the milled-out section of the Airline guide track – even if the track is mounted up to 55 mm away from the bulkhead.

#### Advantages of end fitting KERL JF fix:

- cost saving through quick installation
- system solution which is compatible with other fittings

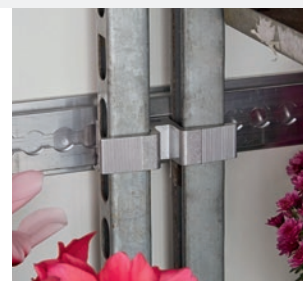


## ► KERL JF slide

### Middle fitting



The novel extension to the JF-system is the one and only KERL JF slide. It can move freely within the Airline guide track and can be used to connect light-weight roll containers in combination with KERL JF. With KERL JF slide you can connect two roll containers without any additional restraint in the track direction. KERL JF is needed to allocate the securing force of all containers. KERL JF slide can be inserted at the bulkhead or in the milled-out section of the track.



## ► JF-system accessories

### Securing

- when securing roll containers in the middle aisle, we suggest using our special KIM shoring poles horizontally.
- when securing loading equipment or diverse goods, we suggest using straps with KERL fittings.

## ► KERL JFA

### Clamp fitting for predecessor cooling trucks



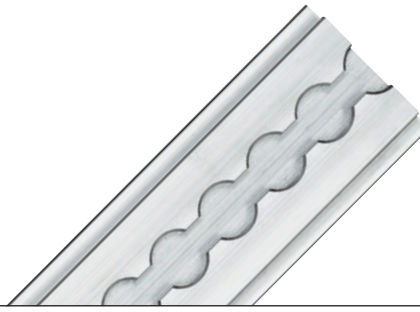
KERL JFA perfectly matches with JFA, the predecessor system of JF – and it is still available. JFA reliably secures load in low temperature areas..

**Note: KERL JFA only fits with JFA-System and does not work with JF-system shown on this page!**



# 1 | Box trailers

## JF-system | Components in detail



Airline Guide track	1 - Profile / Length	2 - Starting point	3 - Mounting holes	4 - Division & milled-out	5 - Ends	Order code
Length without end caps (100 to 7000 mm)					Weight: 1,08 kg/m 	522020 Airline Guide track Length xxxx mm

Starting point	1 - Profile / Length	2 - Starting point	3 - Mounting holes	4 - Division & milled-out	5 - Ends	Order code
	e.g.: X = 0 mm	e.g.: X = 25 mm	e.g.: P = 25 mm	e.g.: P = 50 mm		P-xx
If not indicated otherwise, the starting point is X = 0 mm, and the pitch is P = 25,0 mm.						

Mounting holes	1 - Profile / Length	2 - Starting point	3 - Mounting holes	4 - Division & milled-out	5 - Ends	Order code																																																				
			<table border="1"> <thead> <tr> <th></th> <th>S 5</th> <th>S 6</th> <th>S 8</th> <th>N 4</th> <th>N 5</th> <th>N 6</th> <th>D 5,5</th> <th>D 6,6</th> <th>D 8,5</th> <th>M 5</th> <th>M 6</th> <th>FB 5</th> </tr> </thead> <tbody> <tr> <th>W</th> <td>90°</td> <td>90°</td> <td>90°</td> <td>120°</td> <td>120°</td> <td>120°</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>D</th> <td>11</td> <td>13</td> <td>17,2</td> <td>10,1</td> <td>12,0</td> <td>13,0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10,0</td> </tr> <tr> <th>d</th> <td>5,5</td> <td>6,6</td> <td>9,0</td> <td>4,2</td> <td>5,05</td> <td>6,7</td> <td>5,5</td> <td>6,6</td> <td>8,5</td> <td></td> <td></td> <td>5,0</td> </tr> </tbody> </table>		S 5	S 6	S 8	N 4	N 5	N 6	D 5,5	D 6,6	D 8,5	M 5	M 6	FB 5	W	90°	90°	90°	120°	120°	120°							D	11	13	17,2	10,1	12,0	13,0						10,0	d	5,5	6,6	9,0	4,2	5,05	6,7	5,5	6,6	8,5			5,0			
	S 5	S 6	S 8	N 4	N 5	N 6	D 5,5	D 6,6	D 8,5	M 5	M 6	FB 5																																														
W	90°	90°	90°	120°	120°	120°																																																				
D	11	13	17,2	10,1	12,0	13,0						10,0																																														
d	5,5	6,6	9,0	4,2	5,05	6,7	5,5	6,6	8,5			5,0																																														
Select the type of mounting holes (S = Countersunk screw, N = Countersunk rivet, D = Cylindric hole, M = Internal thread, FB = Step drilling)						e.g.: S 5																																																				

Pitch of mounting holes	1 - Profile / Length	2 - Starting point	3 - Mounting holes	4 - Division & milled-out	5 - Ends	Order code
a2 = same pitch						
Specify the pitch of the mounting holes a1 and a2						
			a2 - a... = individual pitch			
Specify the pitch of the mounting holes a1 and a2			Specify the pitch of the mounting holes a1, a2, a3, a4 etc.			a1-xx / a2-xx

Two-piece track and JF milled-out section	1 - Profile / Length	2 - Starting point	3 - Mounting holes	4 - Division & milled-out	5 - Ends	Order code
Choose the division section: Middle Beginning and end JF-milled out section						Middle Beginning and end JF-milled out

Shape of ends	1 - Profile / Length	2 - Starting point	3 - Mounting holes	4 - Division & milled-out	5 - Ends	Order code
Select the shape of the beginning of the track (max. radius or max. F2 = half of track width in mm)						A/E-straight A/E-burred A/E-R-xx A/E-F1-xx F2-xx A/E-SH-xxSL-xx

### ▶ Sample order code

Airline Guide track - 6800 - N 6 - a1-25/a2-75 - Middle - JF-milled out - A-straight - E-straight



KERL JF	1 - Width		2 - Removability		Order code
				For roll containers with bars up to 25 mm Load capacity: 500 daN	512014 KERL JF 25 mm
				For roll containers with bars up to 35 mm Load capacity: 500 daN	512014 KERL JF 35 mm
				For roll containers with bars up to 45 mm Load capacity: 500 daN	512014 KERL JF 45 mm
✓		2 - Removability		Order code	
			Insert and remove at any position	Removeable	
			Non removable	Non removable	

KERL JF fix	1 - Width				Order code
				For roll containers with bars up to 25 mm Load capacity: 500 daN	512017 KERL JF fix 25 mm
				For roll containers with bars up to 35 mm Load capacity: 500 daN	512017 KERL JF fix 35 mm
				For roll containers with bars up to 45 mm Load capacity: 500 daN	512017 KERL JF fix 45 mm

KERL JF slide	1 - Width				Order code
				For roll containers with bars up to 25 mm Load capacity: 0 daN in track direction 500 daN in y-direction	512016 KERL JF slide 25 mm
				For roll containers with bars up to 35 mm Load capacity: 0 daN in track direction 500 daN in y-direction	512016 KERL JF slide 35 mm
				For roll containers with bars up to 45 mm Load capacity: 0 daN in track direction 500 daN in y-direction	512016 KERL JF slide 45 mm

▶ Sample order code

KERL JF - 35 - Non removable



# JF-system

Components  
in detail



KIM 55	1 - Length	2 - End pieces	3 - Product identification sticker	Order code
<b>Length</b>	Adjustment range possible from min. 640 to max. 2520 mm, with a fixed 70 mm range of spring.			512075 KIM 55
	<p>Internal dimensions needed by order</p>			Internal dimension xxxx mm



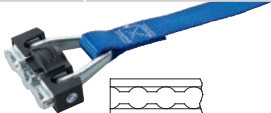
End pieces	✓	2 - End pieces	3 - Product identification sticker	Order code
	Bolt Ø 19 mm short	Compatible with Airline, round hole Ø 20/25 mm and pin tracks Ø 8 mm		19 mm bolt

Product identification sticker	✓	✓	3 - Product identification sticker	Order code
	Customized product label with your logo			Custom sticker
	Product label			allsafe sticker





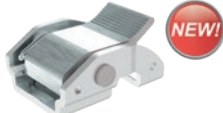
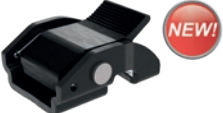
### ▶ Sample order code








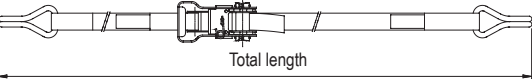
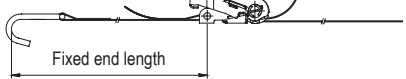
KIM 55	-	2480	-	Bolt 19	-	allsafe sticker
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25 mm lashing straps End fitting (different end fitting for loose and fixed end available)	1 - End fitting	2 - Lock	3 - Colour / Length	4 - Strap printing	Order code
	 LC 300 daN, L <sub>min</sub> = 140 mm 511275	 LC 500 daN, L <sub>min</sub> = 140 mm Standard: 310275; stainless: 310280	 LC 1000 daN, L <sub>min</sub> = 170 mm 511228		

L<sub>min</sub> means the minimal length of the fixed end.

Lock	✓	2 - Lock	3 - Colour / Length	4 - Strap printing	Order code
	 LC 400 daN, STF 195 daN Yellow passivated: 71 234; Blue powder coated: 560 438-10	 LC 650 daN, STF 200 daN Silver passivated: 360 013-10 Yellow passivated: 77 036	 LC 1000 daN, STF 170 daN 71 036		
 LC 350 daN 71 017	 <b>NEW!</b> LC 250 daN 512132-10	 <b>NEW!</b> LC 250 daN 512132-20			

Colour / Length	✓	✓	3 - Colour / Length	4 - Strap printing	Order code		
	 Blue	 Red	 Grey	 Black	 Olive	 Orange	 Green
Not all colours are available for each lock							
							Total length
Total length in mm					Fixed end length		Fixed end length
For minimum length of fixed end: see end fitting description. Fixed lengths of 300 mm and above are no problem.							

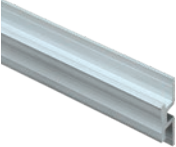
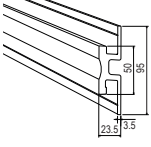


Strap and label printing	✓	✓	✓	4 - Strap printing	Order code
					
A sample of a customized strap and label printing.					
Your individual print on the loose end (allsafe print also available)					Strap print
No strap print					No print
Your individual print on the label					Label print

▶ **Sample order code**

511263	-	71038	-	71234	-	Olive	-	3800	-	400	-	Strap print
25 mm lashing		End fitting		Lock		Colour		Total length		Fixed end length		Strap printing



# JFA-system | Components in detail


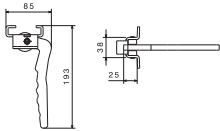

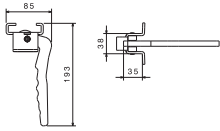

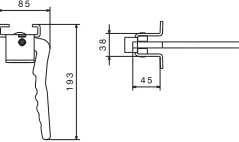

JFA-track	1 - Profile / Length			Order code
Length (220 to 6000 mm)				Weight: 2,17 kg/m
				71096 JFA Length xxxx mm

► Sample order code

JFA-track - 5000



## Load securing for rollable containers in cooling and delivery trucks

KERL JFA	1 - Width			Order code
			For roll containers with bars up to 25 mm Load capacity: 400 daN	512154 KERL JFA 25 mm
			For roll containers with bars up to 35 mm Load capacity: 400 daN	512155 KERL JFA 35 mm
			For roll containers with bars up to 45 mm Load capacity: 400 daN	512156 KERL JFA 45 mm

► Sample order code

KERL JFA - 25





For all kinds of companies and facilities.  
For everybody who wants to focus on their core business.



You return the damaged or worn-out items to us.  
We inspect, repair or swap them to new  
and send them back to you.



BOX TRAILERS

## Your advantages:

- Sustainable concept for all-time-use of any product
- Instrumental to support energy management systems as per ISO 50001, energy audits as per EN 16247 and regulation (EG) No. 1221/2009 (EMAS)
- It's easy and saves you money.





# ATD-system

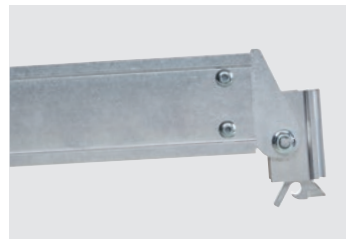
## Double your loading space

The ATD double-deck system optimizes how you use your space and is also suitable for securing loads in box vans. Its second level makes it ideal for transporting loads of different heights, as well as goods that cannot be stacked. The beam function is selected so that the loading beam can be moved upwards in 25 mm increments yet can still be securely locked in position. The pallets are simply placed on the loading beams. When not in use, the beams can be stowed under the roof to save space.

### Suitable for:

#### ■ loading on a second level

- 1** Beams can easily be stowed under the roof to save space.
- 2** Select the ATD beam space with an asymmetric head so that it can be stowed away even more neatly under the roof.
- 3** The entire width of the vehicle can be used.
- 4** Compatible with all common double-deck track systems.



### Your advantages:

- ergonomically optimized, therefore easy and quiet in use
- perfectly tailored to your needs
- light and robust
- particularly high load capacity



Further information under:  
[www.allsafe-ATD.info](http://www.allsafe-ATD.info)

# ATD-system | The new beam generation

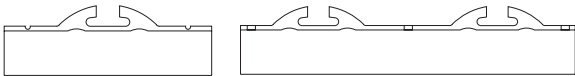
## Description

The ATD double-deck-system optimizes how you use your space and is suitable for securing loads in box vans and trailers. Its second level makes it ideal for transporting loads of different heights as well as goods that cannot be stacked.



### ▶ ATD-I Airline tracks

ATD-I tracks for gluing and screwing in place



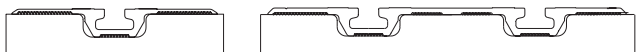
### ▶ ATD-II Airline tracks

ATD-II tracks for flush insertion into the side wall



### ▶ ATD-F Airline tracks

ATD-F tracks for insertion into the side wall with flange



Double and single tracks are available in a number of variations. Depending on the task and the properties of the vehicle, different ATD track profiles can either be attached to or precisely integrated into the side walls.

The ATD track profiles can be glued, riveted, screwed in place or welded. Large contact surfaces and specially optimized adhesive profiles ensure a strong adhesive bond.

- minimum track installation height
- small pitch of 25 mm
- ATD loading beams can be individually adapted to the height of the load
- open profile form of the tracks guarantees easy cleaning and complies with the German regulation on the hygiene of foodstuffs (LMHV)

## ▶ ATD-Classic loading beam

90 mm high



For normal loads up to 1 t

- Heads with symmetrical or asymmetrical design for optimized headroom
- the classic option

The new plastic slides ensure that the beams are easy to use and guide in the track quietly. You can therefore load and unload in noise sensitive areas (e.g. during the night, or in urban areas).



## ▶ ATD-Heavy-duty loading beam

For extra heavy loads



For particularly high loads

- Heads with symmetrical or asymmetrical design for optimized headroom
- with customized product identification sticker
- can withstand loads up to 1.35 t



## ▶ ATD-Space loading beam

Space-saving



Extremely flat profile, loading height increased by 60 mm; for use when space is tight.

- can withstand loads of up to 1 t



The label printed with your logo ensures better distribution and identification of your brand name.



ATD-II decking beams and ATD-F Airline tracks are PIEK certified. PIEK certified enables noise reduced operation (e.g. for inner-city night deliveries)

# ATD-system Components in detail



## Classic – compatible with every application

ATD Classic loading beam	1 - Length	2 - End pieces	3 - Product identification sticker	Order code
	Available in lengths from 650 to 2510 mm.		PL 1000 / BC 1100	512020 Classic loading beam Internal dimension xxxx mm
Length				

End pieces	✓	2 - End pieces	3 - Product identification sticker	Order code
	Symmetric			ATD-I Symmetric
	Asymmetric			ATD-I Asymmetric
		Compatible with Airline track		ATD-I Asymmetric
	Symmetric			ATD-II Symmetric
	Asymmetric			ATD-II Asymmetric
		Compatible with Airline track		ATD-II Asymmetric
	Type B			Schmitz Type B
	Type V7			Schmitz Type V7
		Compatible with Schmitz tracks		Schmitz Type V7
		Compatible with tracks in steel swap bodies		STD

Product identification sticker	✓	✓	3 - Product identification sticker	Order code
Customized product label with your logo				Custom sticker
Product label				allsafe sticker

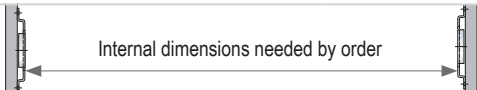
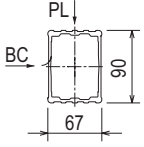
### ▶ Sample order code


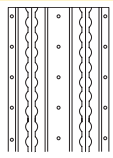







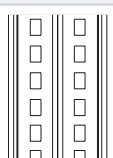




Classic loading beam - 2000 - ATD-I Asymmetric - allsafe sticker




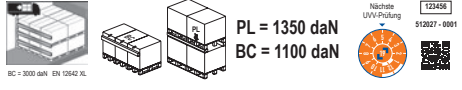




## Heavy-duty – for particularly high loads

ATD Heavy-duty loading beam	1 - Length	2 - End pieces	3 - Product identification sticker	Order code
Length	Available in lengths from 650 to 2510 mm. 		PL 1350 / BC 1100 	512027 Heavy-duty loading beam Internal dimension xxxx mm

End pieces	✓	2 - End pieces	3 - Product identification sticker	Order code
	Symmetric			ATD-I Symmetric
	Asymmetric			ATD-I Asymmetric
ATD-I		Compatible with Airline track		ATD-I Asymmetric
	Symmetric			ATD-II Symmetric
	Asymmetric			ATD-II Asymmetric
ATD-II + ATD-F		Compatible with Airline track		ATD-II Asymmetric
	Type B			Schmitz Type B
	Type V7	Type B		Schmitz Type V7
Schmitz		Compatible with Schmitz tracks		Schmitz Type V7
				STD
STD		Compatible with tracks in steel swap bodies		STD

Product identification sticker	✓	✓	3 - Product identification sticker	Order code
ATD Ladebalken Heavy-duty  SICHERHEIT MADE IN GERMANY	 Max Mustermann GmbH Musterstraße 119 www.mustermann.com Service Nummer +49 (0)1234 56789-0	 EN 12195-1	 PL = 1350 daN BC = 1100 daN Nächste UVM-Packung 122456 512027 - 0001	
Customized product label with your logo				Custom sticker
Product label				allsafe sticker

### ▶ Sample order code

Heavy-duty loading beam - 2200 - ATD-II Symmetric - Custom sticker



# ATD-system Components in detail



## Space – for more height in the loading area

ATD Space decking beam	1 - Length	2 - End pieces	3 - Product identification sticker	Order code
	Internal dimensions needed by order		PL 1000 / BC 1100 	512028 Decking beam Space Internal dimension xxxx mm

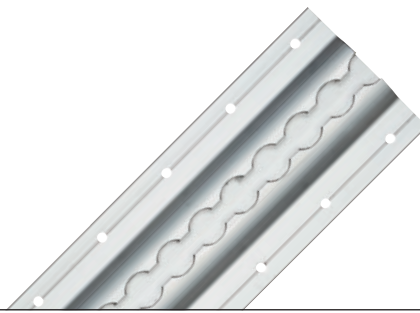
End pieces	✓	2 - End pieces	3 - Product identification sticker	Order code
	Asymmetric			ATD-I Asymmetric
ATD-I		Compatible with Airline track		
	Asymmetric			ATD-II Asymmetric
ATD-II + ATD-F		Compatible with Airline track		
	Type B			Schmitz Type B
	Type V7			Schmitz Type V7
Schmitz		Compatible with Schmitz tracks		
				STD
STD		Compatible with tracks in steel swap bodies		

Product identification sticker	✓	✓	3 - Product identification sticker	Order code
Customized product label with your logo				Custom sticker
Product label				allsafe sticker


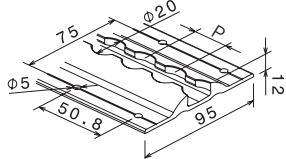



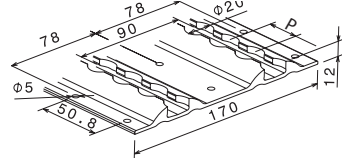



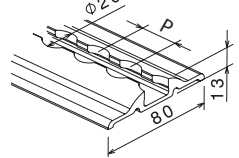



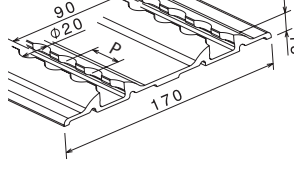



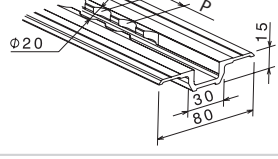


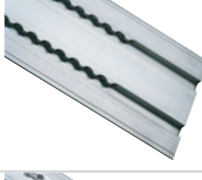
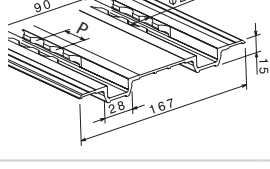



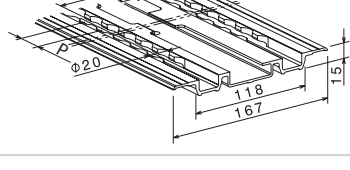


### ▶ Sample order code

Space loading beam - 1800 - ATD-II Asymmetric - allsafe sticker





Available from 220 to 1960 mm – for vertical mounting

	1 - Profile / Length	2 - Pitch		Order code
<b>ATD-I single</b>	 		Aluminium Weight: 1,12 kg/m  	520077 ATD-I single Length xxxx mm
<b>ATD-I double</b>	 		Aluminium Weight: 2,09 kg/m  	520177 ATD-I double Length xxxx mm
<b>ATD-I glueable, single</b>	 		Aluminium Weight: 1,02 kg/m  	520820 ATD-I glueable single Length xxxx mm
<b>ATD-I glueable, double</b>	 		Aluminium Weight: 2,19 kg/m  	520821 ATD-I glueable double Length xxxx mm
<b>ATD-F single</b>	 		Aluminium Weight: 0,88 kg/m  	520421 ATD-F single Length xxxx mm
<b>ATD-F double</b>	 		Aluminium Weight: 1,83 kg/m  	520422 ATD-F double Length xxxx mm
<b>ATD-F for release rod</b>	 		Aluminium Weight: 1,90 kg/m  	521309 ATD-F release rod Length xxxx mm

BOX TRAILERS

# ATD-system

Components  
in detail



Available from 220 to 1960 mm – for vertical mounting

	1 - Profile / Length	2 - Pitch		Order code
<b>ATD-II single</b>	 		Aluminium Weight: 1,05 kg/m	520277 ATD-II single Length xxxx mm
<b>ATD-II double</b>	 		Aluminium Weight: 2,10 kg/m	520477 ATD-II double Length xxxx mm
<b>ATD-II slim single</b>  With adhesive profile	 	 	Aluminium Weight: 0,69 kg/m	522616 ATD-II slim single Length xxxx mm
<b>ATD-II slim double</b>  With adhesive profile	 	 	Aluminium Weight: 1,75 kg/m	521025 ATD-II slim double Length xxxx mm
<b>ATD-II, slim for release rod</b>  With adhesive profile	 	 	Aluminium Weight: 1,95 kg/m	521026 ATD-II slim release rod Length xxxx mm

Pitch	✓	2 - Pitch	Order code
e.g.: P = 25 mm    e.g.: P = 50 mm			P-25 P-50
Unless specified otherwise, the pitch P = 25.0 mm			

### ▶ Sample order code


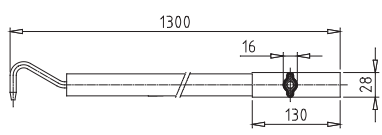

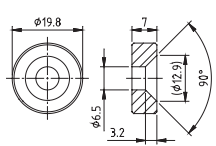
ATD-II slim - 1600 - P 25





# ATD-system

## Accessories

Release rod	1 - Article / Quantity	Order code
		<p>For the convenient use with beams</p> <p>510233-20</p>
<p>Beam stop for ATD tracks</p> 		<p>For limiting leeway of the beams in the track</p> <p>520086-20</p>

► **Sample order code**

Beam stop 520086-20



BOX TRAILERS



# STD-system

## Light-weight loading beams in steel swap bodies

The STD double-deck-system is suitable for securing loads in steel swap bodies.

Its second level makes it ideal for transporting loads of different heights as well as goods that cannot be stacked.

The beam function is selected so that the loading beam can be moved upwards in 50 mm increments and still be securely locked in position. The pallets are simply placed on the loading beams.

When not in use, the beams can be stowed under the roof to save space.

### Suitable for:

#### ■ loading on a second level

**1** Optimizing the loading capacity of steel box vans.

**2** Beams can easily be stowed under the roof to save space.

**3** Use the entire height of the box, even if goods cannot be stacked.



### Your advantages:

- increased load capacity due to lower total weight
- ergonomically optimized, therefore easy to use
- no corrosion, even in salty environments
- high load capacity



Further information under:  
[www.allsafe-STD.info](http://www.allsafe-STD.info)

# STD-system | Double-deck loading in steel box vans

## Description

The STD-system optimizes how you use the space in steel box vans. It can also be used as a positive locking restraint device. Its second level makes it ideal for transporting loads of different heights as well as goods that cannot be stacked.



## ► STD beams

### Robust loading beams



- easy to use
- light-weight
- high load capacity of up to 1350 daN

Depending on requirements,  
you can select from two beam variations:

STD Classic loading beam – for loads of up to 1 t per beam

STD Heavy-duty loading beam – for loads of up to 1.35 t per beam

### TIP

Also suitable for Krone  
steel swap bodies!  
(existing operating rod is  
compatible)

## ► Pallet stop\*

### Rear load restraint



To secure the load to the rear, the last STD loading beam is secured with Pallet stops.



Three Pallet stops are attached to the last STD loading beam. Once the STD loading beams have been loaded, the Pallet stops are manoeuvred easily into the restraint position.



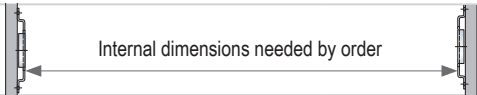
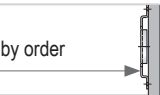
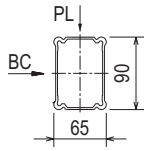
Before unloading, the Pallet stops are moved to the park position. In this position, the STD loading beams can be stowed under the roof.



\* Pallet stop feature is available for all double deck beams.

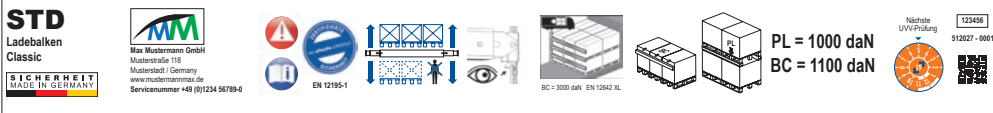
# STD-system Components in detail



## Classic – compatible with vertical C-steel tracks and Krone steel swap bodies

STD Classic loading beam	1 - Length	2 - End pieces	3 - Product identification sticker	Order code
Length	Available in lengths from 650 to 2510 mm. 			512020 Loading beam Classic Internal dimension xxxx mm

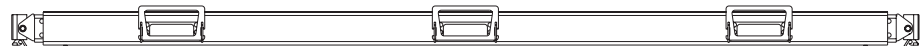
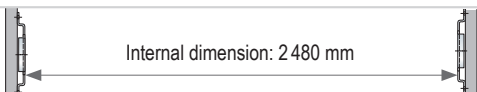
End pieces	✓	2 - End pieces	3 - Product identification sticker	Order code
				
STD		Compatible with Steel TopDeck and vertical C-steel tracks		STD

Product identification sticker	✓	✓	3 - Product identification sticker	Order code
				
Customized product label with your logo				Custom sticker
Product label				allsafe sticker

▶ **Sample order code**

Classic decking beam - 2000 - STD - allsafe sticker



STD Classic loading beam with Pallet stop	1 - Article / Quantity	Order code
		511102-60 Loading beam Classic with Pallet stop

▶ **Sample order code**

Classic decking beam





## Heavy-duty – for particularly high demands

	1 - Length	2 - End pieces	3 - Product identification sticker	Order code
<b>STD Heavy-duty loading beam</b>	Available in lengths from 650 to 2510 mm.			512027 Loading beam Heavy-duty Internal dimension xxxx mm
<b>Length</b>				

	✓	2 - End pieces	3 - Product identification sticker	Order code
<b>End pieces</b>				
	STD	Compatible with Steel TopDeck and vertical C-steel tracks		STD

	✓	✓	3 - Product identification sticker	Order code
<b>Product identification sticker</b>	<p>Max Mustermann GmbH Musterstraße 118 Musterstadt / Germany www.mustermann.de Servicenummer +49 (0)1234 56789-0</p>		<p>PL = 1350 daN BC = 1100 daN</p> <p>123456 512027-0001</p>	
	Customized product label with your logo			Custom sticker
	Product label			allsafe sticker

### ▶ Sample order code

Heavy-duty decking beam	-	2200	-	STD	-	Custom sticker
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BOX TRAILERS



Airline tracks/lashing points in roof ▲

KIM 5x7 with roof strap for rearward restraint ▶

◀ Vertical KIM 4x4 Airline, used as basic structure

▲ Horizontal KIM 4x4, for creating rows

Airline tracks/lashing points in floor ▼



# BERND has arrived

The best thing since sliced bread

BERND provides a fast, flexible way of restraining rolling systems and trolleys of all kinds.

It's the perfect solution for direct store delivery of fresh and dry goods, foodstuffs, and frozen products.

BERND's components are perfectly matched to your transportation and vehicle needs, taking up very little payload and ensuring that your valuable goods are kept highly secure.

The rows inside the vehicle can be adjusted as necessary, making it possible to pick orders for individual unloading points – which saves time and prevents mix-ups.

## Product highlights:

- **Fast**  
Move dollies into the row and secure them in no time at all
- **Ideal for direct store delivery**  
Pre-pick orders during loading in the rows
- **Flexible**  
Fast, easy installation and removal; for example, if pallet goods need to be loaded
- **Versatile**  
All rows can be loaded at different heights.



BOX VEHICLES

# BERND

## Rear load restraint: Keeps food in its place

But not only for groceries. And especially even if the vehicle is only partly loaded.

BERND secures your valuable load reliably after every unloading stop, no matter how many dolly towers are left in one load lane – even if there is only one tower left. BERND will release the next dolly towers quickly at your next stop, so your driver has a maximum of convenience with unsecuring the load.

By the way: BERND has lo-loose parts, the rearward securing bar will swing under the roof and is parked there during loading and unloading.



Remove



Lower



Position



Push into place

# BERND – Clean and tidy: Easy installation and removal for exceptionally tidy solutions

The daily delivery tour is done, but prior to closing time the vehicle has to be cleaned.

You are lucky if BERND is working with you: it is disassembled and taken out of the vehicle very quickly, so you can start cleaning immediately. Thanks to easy-to-use roof parking feature and lightweight system components, BERND is very easy to handle. The ergonomically designed blocking bars will be re-assembled quickly and easily, so BERND is “ready for take off” for the next day.

Have a nice evening!

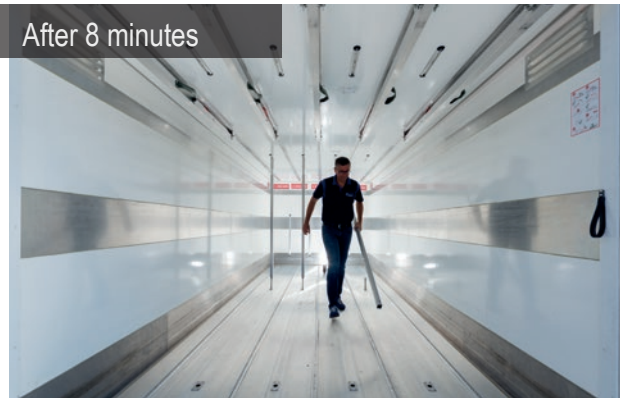
Getting started...



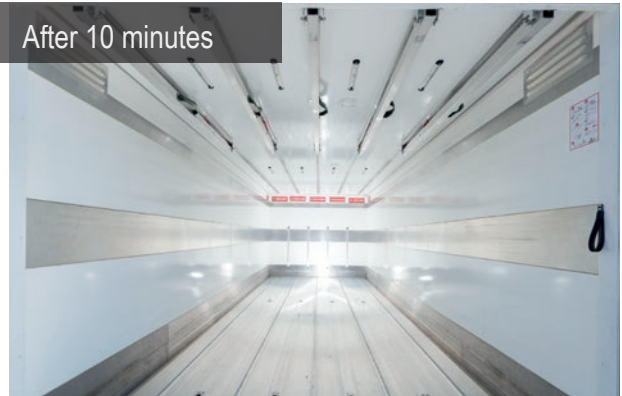
After 4 minutes



After 8 minutes



After 10 minutes





Perfectly matched components from our KIM ranges ensure maximum ease of use and reliability.




A wide range of tracks and lashing plates is available for connection inside the vehicle – so you can find the right solution to suit your needs.




KIM locking bars are stowed securely under the roof for loading and unloading.


# Configurator



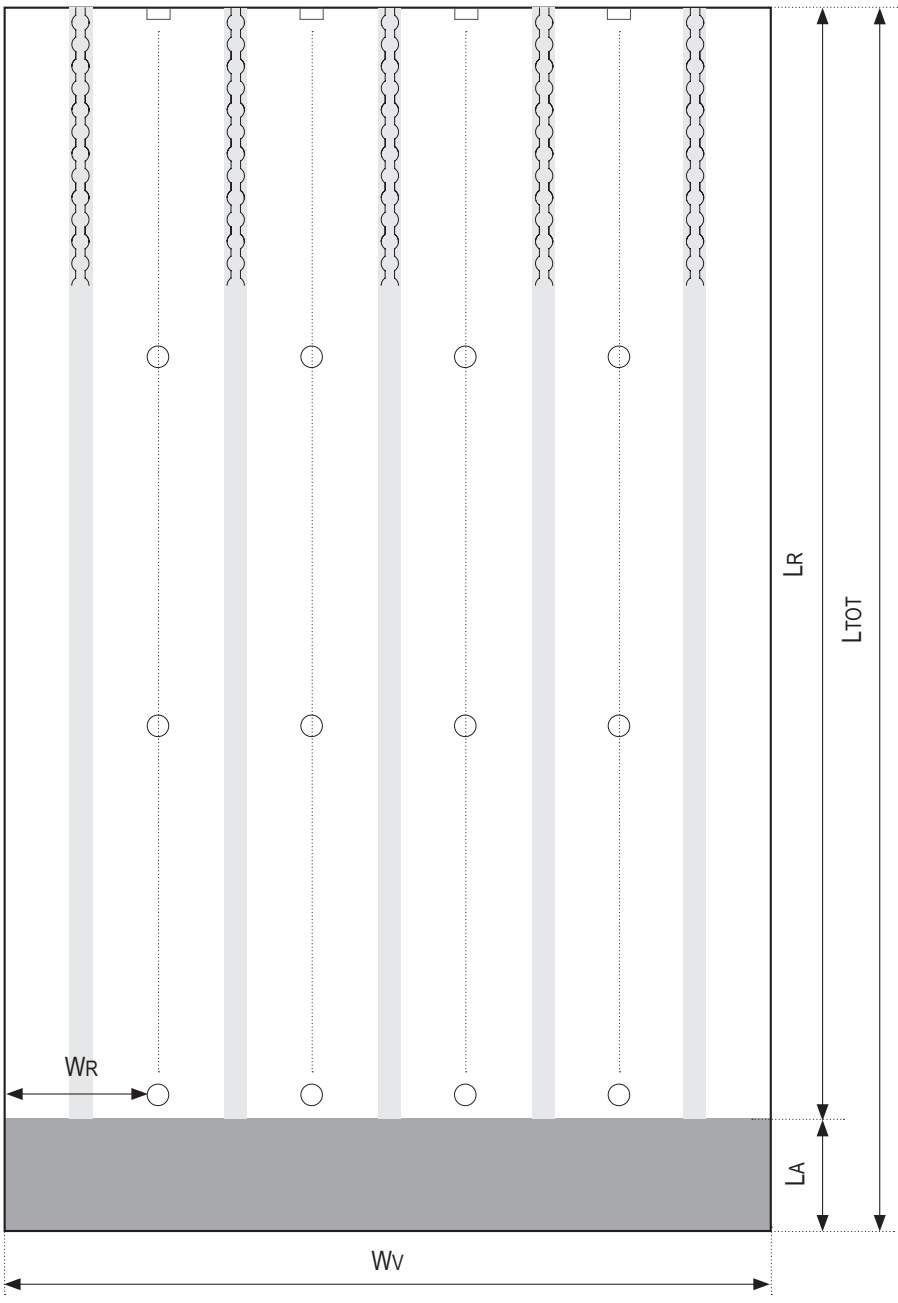
KIM 4x4 Airline




KIM 4x4




KIM 5x7







Airline track



Airline roof track



Lashing point



Airline Adapter

WV	Internal width of vehicle	_____ mm
WR	Internal width of row	_____ mm
LR	Length of row	_____ mm
LA	Length of adjustment range	_____ mm
LTOT	Total length of structure	_____ mm
H	Internal height	_____ mm

BOX VEHICLES



# AJS-system

## Load restraint system for curtainsiders

You take a glimpse at your newest loading list and think „how is that all going to hold?“ Ultimately, you do not want to spend hours tying down the tires, stillage, palletes, package freight or big-bags just to keep them in place.

With the AJS-system you can safely and effectively solve every transport challenge in seconds. Hundreds of latching points offer a good base for diverse securing components such as straps, shoring bars, and beams. The tight pitch of the high-strength steel tracks allow for close anchorage.

With just a few hand movements, you can divide your vehicle into different departments, whether it is in the longitudinal or lateral direction.

The AJS-system can easily be retrofitted. Simply replace your wooden slats with AJS lashing profiles. When the AJS beams are not needed, they can be parked between the stanchions.

### Suitable for:

- big bags and octabins
- FIBC and barrels
- packed goods
- tires

**1** The tight pitch of the lashing profile allows positive locking through straps.

**2** CP3 protectors fill gaps.

**3** Form locking load restraint secured with KAT AJS shoring beams and ratchet straps.



### Your advantages:

- hundreds of latching points allow variability
- load distribution – made easy
- load secured in seconds



Further information under:  
[www.allsafe-AJS.info](http://www.allsafe-AJS.info)

# AJS-system | Load restraint for every transporting task

## Description

The system consists of AJS lashing profiles, KAT AJS shoring beams and cross straps for positive locking of goods. Further accessories such as CP3-protector, straps, garment poles and KERL fittings are also available.



### Load distribution (with a load gap towards the front wall)

The load gap can be secured with 3 KAT AJS 900 or as an alternative 2 KAT AJS 2800.

The prerequisite for this is one row of AJS lashing profile with bolt fixation.

### Load restraint requirements according to VDI 2700ff. in a 13,60 m Trailer Code XL:

- diagonal cross restraint between two pillars (see figure 1)
- load segmentation: KAT AJS after 4 pallets rows (see figure 2)
- pallet stroke bar on both sides with Code L

### ► The following items are necessary for load restraint:

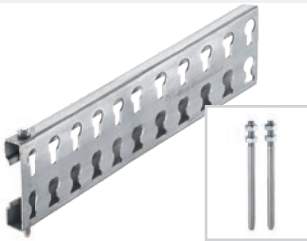
Article	1 space between the pillars	4 spaces between the pillars 27t	4 spaces between the pillars 27t with loading gap
AJS lashing profile	2 rows	2 rows	2 rows
AJS lashing profile with bolt fixation		1 row	1 row
KAT AJS 900	2 pieces	9 pieces*	12 pieces*
Diagonal cross straps		4 pair	4 pair

\* Option: 6 KAT AJS 2800



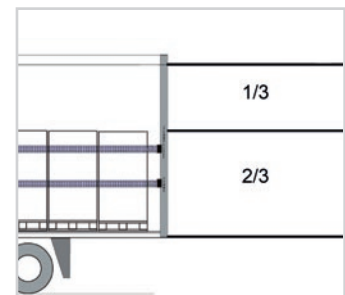
## ▶ AJS lashing profile with AJS bolt fixation and AJS brackets

To secure in the pillar pockets



AJS lashing profiles should always be equipped with fixation bolts. These bolts are put into holes in the slat holders to achieve sufficient load transmission into the construction of the vehicle.

2 rows of lashing profile are enough if the load is not higher than 2/3 of the inner height of the trailer. If the load is higher, three rows of lashing profiles are required.



The KAT AJS 900 can be parked between the pillars, with the AJS holders, and the AJS lashing profile can be used without any restrictions. Due to the flat design of the AJS holders, the entire width of the vehicle remains unaffected. The AJS holders can be easily clamped onto the AJS lashing profiles. Tools are not required.

## ▶ CP3 protector

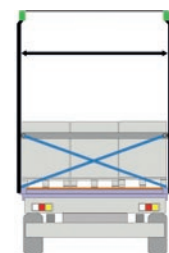
To be clipped into the AJS lashing profile



A load gap is built when goods are loaded on CP1 - CP9 pallets. With the help of CP3-protectors the gap can be closed off and your goods can be optimally secured.

## ▶ Cross straps

Connection between AJS lashing profiles and anchor points



# AJS-system

Components in detail



## For securing and segmentation of loads

<b>AJS lashing profile</b> Length (220 to 5000 mm)	<b>1 - Profile / Length</b>		<b>Order code</b>
			Weight: 3,60 kg/m  521127 AJS lashing profile Length xxxx mm
<b>Optional accessories</b>	Fixing bolt 510927-10 Steel galvanized		+ Fixing bolt pair of 2 + AJS holder pair of 2
	AJS holder 511151-20 Steel galvanized, blue chromated		

▶ **Sample order code**

AJS lashing profile - 3217 Fixing bolt + AJS holder


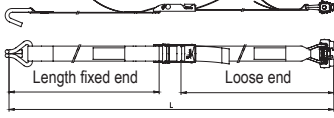
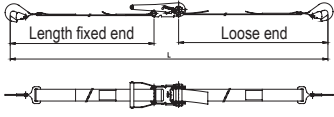

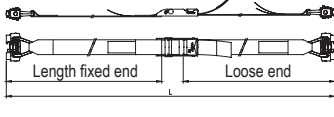
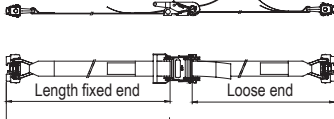
<b>KAT AJS BC 900</b>	<b>1 - Adjustment range</b>	<b>2 - Product identification sticker</b>	<b>Order code</b>
	Adjustment lengths from min. 300 to max.2510 mm: 70 mm adjustment range. 		KAT AJS 900 511306 Internal dimensions xxxx mm
<b>KAT AJS BC 1100</b>	Adjustment lengths from min. 300 to max.2510 mm: 70 mm adjustment range. 		KAT AJS 1100 511307 Internal dimensions xxxx mm
	<b>KAT AJS BC 2800</b>	Adjustment lengths from min. 300 to max.2510 mm: 70 mm adjustment range. 	

<b>Product identification sticker</b>	<b>3 - Product identification sticker</b>		<b>Order code</b>
			Custom sticker allsafe sticker
	Customized product label with your logo Product label		



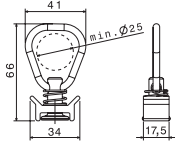
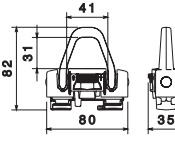

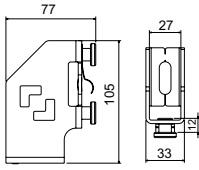
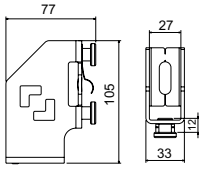
▶ **Sample order code**

KAT AJS 900 - 2420

## For securing individual loads

		1 - Article	Order code	
<b>Keyhole strap</b> for diagonal restraint			Polyester Load capacity: 750 daN Total length: 3500 mm Length fixed end: 1000 mm Loose end: 2500 mm	511361-10
			Polyester Load capacity: 2500 daN Total length: 3500 mm Length fixed end: 500 mm Loose end: 3000 mm	511266-0572
<b>Keyhole strap</b> for CTD profile and AJS lashing profile			Polyester Load capacity: 1500 daN Total length: 4000 mm Length fixed end: 2000 mm Loose end: 2000 mm	511078-10
			Polyester Load capacity: 1500 daN Total length: 3500 mm Length fixed end: 1000 mm Loose end: 2500 mm	510706-10

## Accessories

		1 - Article	Order code	
<b>CP3-Protector</b>			Aluminium	521597
<b>KERL AJS 300</b>			Steel, Aluminium	511275 PU - 0012 pcs. - 0040 pcs. - 0080 pcs.
			Steel, KTL	511242 PU Load capacity: 1000 daN in compliance with EN 12640 - 0004 pcs. - 0012 pcs. - 0040 pcs.
<b>KERL AJS 1000</b> for CTD profile and AJS lashing profile			Steel galvanized	512191 PU Load capacity: X: 400 daN Y: 1000 daN - 0004 pcs. - 0012 pcs. - 0040 pcs.
				

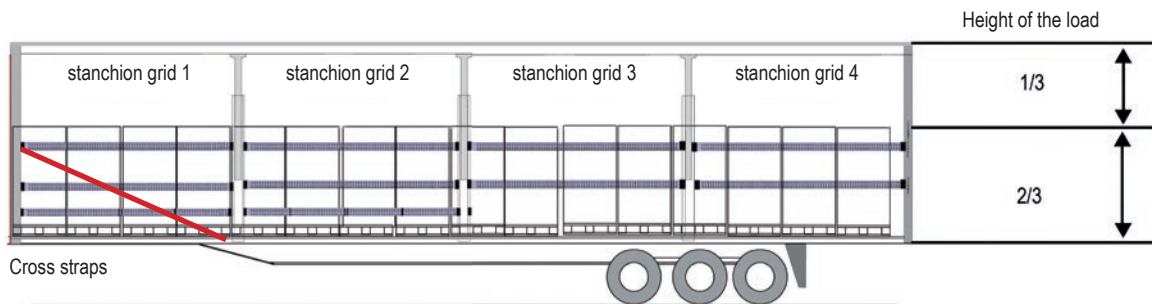
# AJS-system

For your individual AJS-system we need the following information:

## System

1. Freight type	granular (e.g. sugar, salt) <input type="checkbox"/>	packaged goods <input type="checkbox"/>	soft packaging (e.g. chemical goods) <input type="checkbox"/>
2. Load capacity?	< 18.000 kg <input type="checkbox"/>	18.0001 - 27.000 kg <input type="checkbox"/>	> 27.000 kg <input type="checkbox"/>
3. Bulkhead EN 12642	Code L <input type="checkbox"/>	Code XL <input type="checkbox"/>	
4. Does the load exceed 2/3 of the inner trailer height (fig. 1)	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
5. Inner dimension of the trailer (fig. 3)	_____ mm		
6. Number of stanchion grids?	1 stanchion grid <input type="checkbox"/>	2 stanchion grids <input type="checkbox"/>	3 stanchion grids <input type="checkbox"/>
			4 stanchion grids 27t (incl. certificate) <input type="checkbox"/>
7. In which direction do you want to secure the goods?	towards rear <input type="checkbox"/>	towards front <input type="checkbox"/>	to the side <input type="checkbox"/>
8. Distance between the pillars (fig. 2)?	_____ mm		
9. How many rows of lashing profiles do you have in each stanchion grid?	2 rows <input type="checkbox"/>	3 rows <input type="checkbox"/>	
10. Should one row of AJS lashing profile have AJS bolt-fixation?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	

Fig. 1



## Straps

10. Number of straps (over-center strap 511361-10) for side restraint using the diagonal cross method	_____ Pairs
11. Number of straps (ratchet strap 511266-0572) towards the front wall (fig.1)	_____ pcs.

## Shoring-elements

12. Number of KAT AJS 900	_____ pcs.
13. Number of KAT AJS 1100	_____ pcs.
14. Number of KAT AJS 2800	_____ pcs.

## Accessories

15. Number of AJS brackets for KAT AJS 900	_____ pcs.
16. Number of CP3-protectors	_____ pcs.
17. Number of cross straps (511078-10) for strapping of goods	_____ pcs.
18. Number of ratchet straps (510706-10) for strapping of goods	_____ pcs.
19. KERL AJS 1000	_____ pcs.
20. KERL AJS 25 (512191)	_____ pcs.

Fig. 2

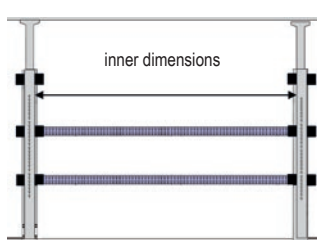
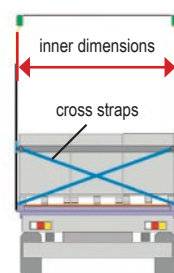


Fig. 3



# AJS-system | Combinations

	AJS lashing profile 521127	AJS holder 511151
CP3-Protector 521597 	 <input type="checkbox"/>	 <input type="checkbox"/>
KAT AJS 900, 1100, 2800 	<input type="checkbox"/>	<input type="checkbox"/>
Bolt fixation 510927-10 	<input type="checkbox"/>	
KERL AJS 25 512191 	<input type="checkbox"/>	
KERL AJS 1000 511242 	<input type="checkbox"/>	
KERL AJS 300 511275 	<input type="checkbox"/>	
Keyhole strap 511078-10 511361-10 	<input type="checkbox"/>	
Ratchet strap 510706-10 	<input type="checkbox"/>	
AJS holder 511151-20 	<input type="checkbox"/>	



# CTD-system

## Doubles your loading space

A packed gearbox can take up almost half of your loading space and you have no room on the side or on top for transporting palletized goods. So you complete your route well below the allowed loading capacity and transport plenty of air while you're at it.

With the CTD-system, you gain a second deck where you can load up to 13 extra tons!

If you primarily carry palletized goods you actually double the load capacity from 33 to 66 pallet places.

The loading beams can also be used for positive locking load restraint. When decking beams are not needed, they can be parked between the pillars.

Depending on the configuration.

The CTD-system can be built or retrofitted into a curtainsider with suitable double deck pillars.

### Suitable for:

#### ■ for loading on a second level

**1** Doubles volume.  
Room for 66 pallets up to 1.5 m high and 400 kg.  
Load capacity of upper deck amounts to 13,200 kg.

**2** Easy to handle beams with single-telescope

**3** Beams parked between the pillars.  
It doesn't get easier than that.



### Your advantages:

- fast second loading level
- parking of the light-weight decking beams
- reduce your operating and labour costs



Further information under:  
[www.allsafe-CTD.info](http://www.allsafe-CTD.info)

# CTD-system | Double decking system for curtainsider

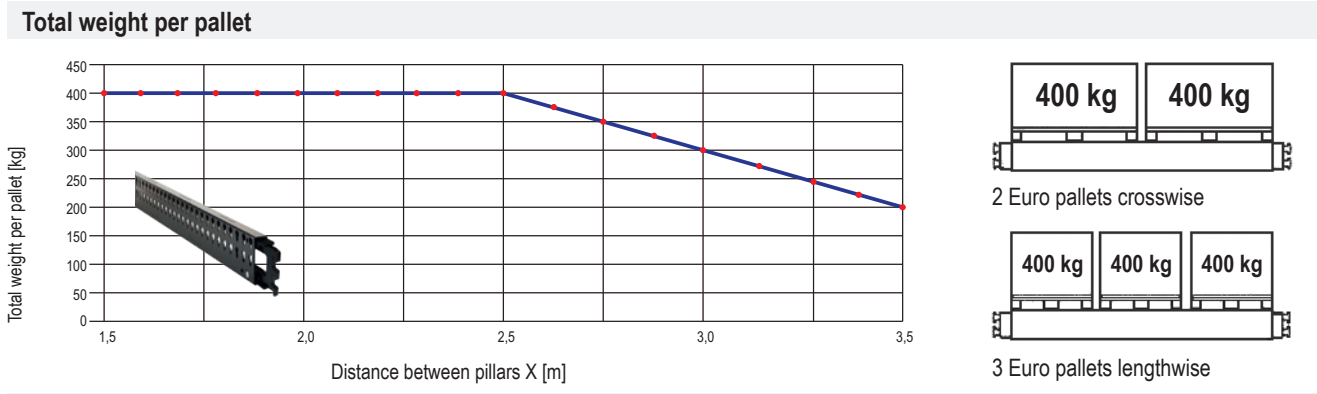
## Description

The CTD-system consists of CTD-III side beams for use in double deck pillars for securing pallets on two levels. It can also be used as a garment transport system or with KERL fittings.



To achieve the maximum payload of the CTD-III decking beams, we recommend a grid size of 2,42 m for pillars. Consequently six euro pallets can be positioned in each stanchion area. CTD-III decking beams which are not in use can be parked between the pillars. Larger pillars intervals enable loading from the rear and the side.

## ► Payload diagram for CTD-III side beams



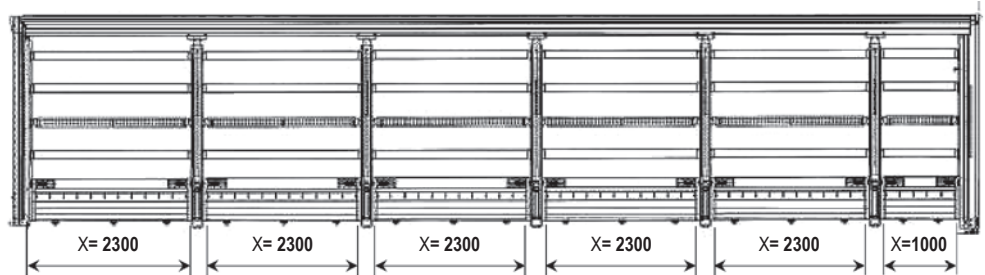
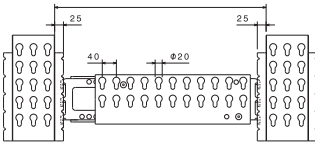


► CTD-III side beam

Between the pillars	Payload per side beams daN	Max. payload per Euro pallet in kg
X = to 2,49 m	1250	400
X = 2,5 to 2,99 m	1125	300
X = 3,0 to 3,5 m	875	200

Length calculation  
CTD-III side beam  
(example for a trailer at 13,6 m)

„X“ internal pillar distance/tolerance ± 1mm




► CTD-III Keyhole track

**With rivets or weld joint on the stanchion**

For applications with slats and lashing profiles which can be hung in the pillars

► CTD-III decking beam

Between the CTD side beams	Length mm	Weight kg	Payload per decking beam daN	Remark
	2210 - 2530	7,5	see CTD-III side beam	Length is secured by securing latch



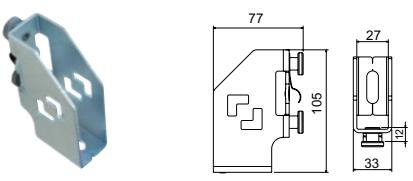
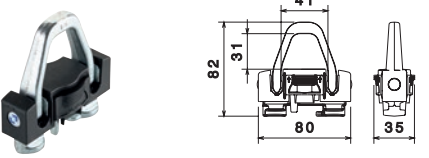
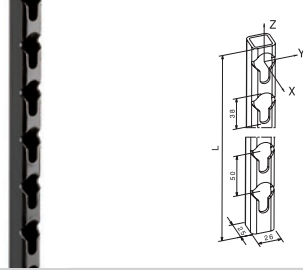
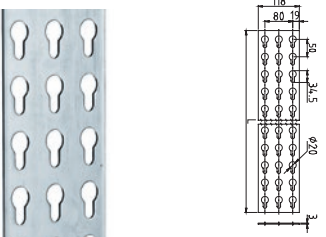
► KERL AJS 25

**For the stanchion**

For slats or lashing profiles which can be hung in the stanchion in keyhole track with help of the KERL AJS 25. With the help of KERL AJS 25, slats or lashing profiles can be hung in the pillar keyhole track.

# CTD-system | Components in detail



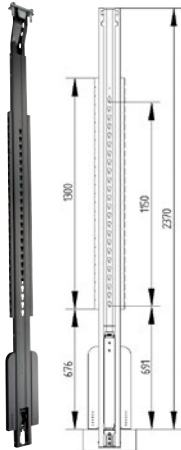
		1 - Length			Order code
<b>CTD-III side beam</b>		Steel, KTL surface treatment free of chromium (VI)	Load capacity: 400 <sup>1</sup> daN Weight: < 16,80 kg	Length: X = 0 - 2499 mm	511380-xxxx
			Load capacity: 300 <sup>1</sup> daN Weight: 16,80 - 20,00 kg	Length: X = 2500 - 2999 mm	511380-xxxx
			Load capacity: 200 <sup>1</sup> daN Weight: 20,00 - 23,70 kg	Length: X = 3000 - 3500 mm	511380-xxxx
<b>CTD-III decking beam</b>		Aluminium	Load capacity: 400 <sup>1</sup> daN Weight: 8,8 kg	Length: 2210 - 2530 mm	510800-10
			Load capacity: 300 <sup>1</sup> daN Weight: 8,8 kg	Length: 2210 - 2530 mm	510800-11
			Load capacity: 200 <sup>1</sup> daN Weight: 8,8 kg	Length: 2210 - 2530 mm	510800-12
<b>KERL AJS 25</b> for CTD- and keyhole track		Steel galvanized	Load capacity: Y: 400 daN Z: 1000 daN		512191
					PU - 0004 pcs. - 0012 pcs. - 0040 pcs.
<b>KERL AJS 1000</b> for CTD- and keyhole track		Steel galvanized, blue chromated	Load capacity: 1000 daN nach EN 2640		511242
					PU - 0004 pcs. - 0012 pcs. - 0040 pcs.
<b>CTD-III keyhole track</b>			Weight: 2,2 kg Length: 1300 mm	Steel, S420 blank	521161-10
			Weight: 2,2 kg Length: 1300 mm	Steel, S420 KTL surface treatment free of chromium (VI)	521161-11
<b>CTD-III keyhole panel</b>				Steel galvanized, blue chromated	520294-25

<sup>1</sup> The load capacity refers to one Euro pallet space

## Accessories

**CTD-III  
Pillar  
Hesterberg**

1 - Article



Steel, S420 KTL surface  
treated free of chromium (VI)

Load capacity for  
double decking system  
according to EN 12642


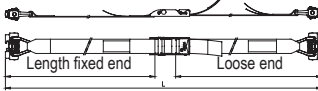
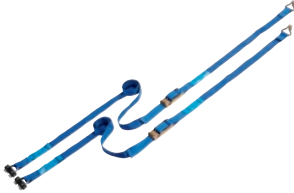
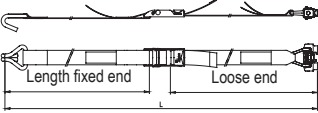

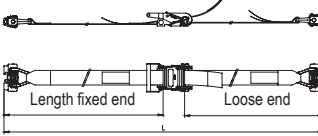

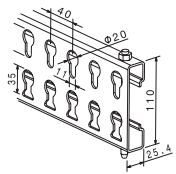
Weight: 27,5 kg

Order code

6.800.216.00  
Available from  
Hesterberg


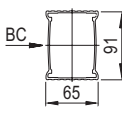
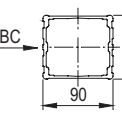
# CTD-system | Components in detail

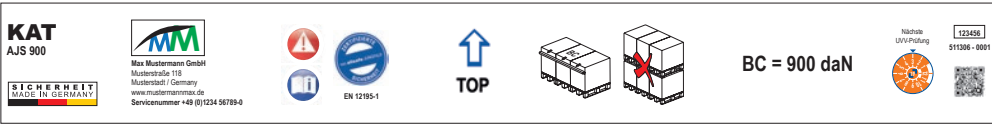
## For securing individual loads

		1 - Article	Order code	
<b>Keyhole strap</b> for CTD-III keyhole track			Polyester Load capacity: <sup>2</sup> 1500 daN Total length: 4000 mm Length fixed end: 2000 mm Loose end: 2000 mm Weight: 1,55 kg	511078-10
	<b>Keyhole strap</b> for diagonal lashing			Polyester Load capacity: <sup>2</sup> 750 daN Total length: 3500 mm Length fixed end: 1000 mm Loose end: 2500 mm Weight: 1,31 kg
<b>Ratchet strap</b>			Polyester Load capacity: <sup>2</sup> 1500 daN Total length: 3500 mm Length fixed end: 1000 mm Loose end: 2500 mm Weight: 1,72 kg	510706-10
	<b>AJS lashing profile</b>	 	Steel galvanized, blue chromated  Length: 220 - 5000 mm Weight: 3,60 kg/m	521127-xxxx  Length xxxx mm

<sup>2</sup> The load capacity details refer to daN when strapping.



KAT AJS 900	1 - Adjustment range	2 - Product identification sticker	Order code
	Adjustment range min. 300 to max. 2510 mm – 70 mm adjustment range.	BC 900	511306
	 <p>Internal dimensions needed by order</p>		KAT AJS 900 Internal dimension xxxx mm
	Adjustment range min. 300 to max. 2510 mm – 70 mm adjustment range.	BC 1100	511307
	 <p>Internal dimensions needed by order</p>		KAT AJS 1100 Internal dimension xxxx mm
	Adjustment range min. 650 to max. 2520 mm – 40 mm adjustment range.	BC 2800	511308
	 <p>Internal dimensions needed by order</p>		KAT AJS 2800 Internal dimension xxxx mm

Product identification sticker	2 - Product identification sticker	Order code
	<p>Customized product label with your logo</p> <p>Product label</p>	<p>Custom sticker</p> <p>allsafe sticker</p>

▶ Sample order code

KAT AJS 900 - 2420



CURTAINSIDER

# CTD-system

For your customized CTD-system  
we need the following information:

## System

- |  |              |
|--|--------------|
| 1. Number of stanchion areas (Fig. 1)    | _____ pcs.   |
| 2. Number of lashing profile rows        | _____ pcs.   |
| 3. Distance between the pillars (Fig. 2) | X = _____ mm |
| 4. Number of CTD-III decking beams       | _____ pcs.   |

Fig. 1

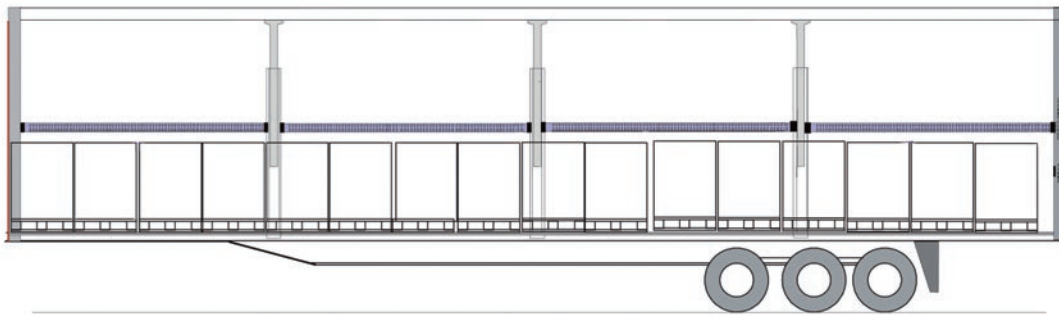
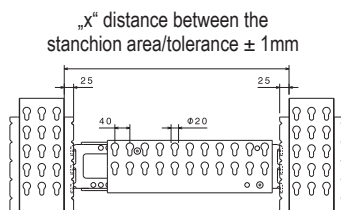


Fig. 2










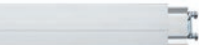



## Shoring-elements

- |                         |            |
|-------------------------|------------|
| 5. Number of KAT AJS BC | _____ pcs. |
|-------------------------|------------|

## Accessories

- |  |            |
|--|------------|
| 6. Number of KERL AJS 1000                   | _____ pcs. |
| 7. Number of KERL AJS 25                     | _____ pcs. |
| 8. Number of CTD-III keyhole track L=1300 mm | _____ pcs. |
| 9. Number of CTD-III keyhole panel           | _____ pcs. |
| 10. Number of AJS strap sets                 | _____ pcs. |

# CTD-system | Combinations possibilities

	 Pillar Hesterberg	 CTD-III keyhole profile 521161	 CTD-III side beam 511380	 CTD-III keyhole panel 520294	 AJS lashing profile 521127
 CTD-III side beam 511380	■	■			
 CTD-III decking beam 510800	■	■	■	■	■
 KAT AJS	■	■	■	■	■
 KERL AJS 25 512191	■	■	■	■	■
 KERL AJS 300 511275					■
 KERL AJS 1000 511242	■	■	■	■	■
 Keyhole strap 511078 / 511361	■	■	■	■	■
 Ratchet strap 510706	■	■	■	■	■
 AJS holder 511151					■





# CRS-system

## Universal restraint system

The CRS shoring beam system is suitable for securing all kinds of stable packaging units.

It combines maximum safety with ultimate ease of use and speed.

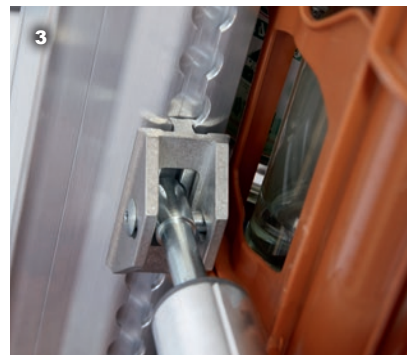
Produced from stable aluminium profiles, the shoring beams are guided along the vehicle roof in tracks and can be stowed under the roof to save space when loading and unloading the vehicle.

The high loading capacity guarantees safety even with large loading weights.

### Suitable for:

- bottle crates or barrels
- all kinds of stable packaging units

- 1** Simple handling is guaranteed thanks to the ergonomic design.
- 2** Easy loading and unloading by stowing the beams under the roof.
- 3** The height of the shoring poles can easily be adjusted.



### Your advantages:

- loads of up to 28 tons can be secured
- ergonomic and quick use
- shoring beams are stowed securely even on bumpy roads
- coordinated system components



Further information under:  
[www.allsafe-CRS.info](http://www.allsafe-CRS.info)

# CRS-system | Load restraint for pallets in trucks

## Description

The system consists of several vertical beams, which are linked together horizontally by shoring poles. Steel or aluminium perforated tracks are used to anchor them in the roof and floor.



### ► Roof / floor tracks

#### Airline track (aluminum) or steel tracks



Enable positive locking anchoring to the floor and roof.



Tilly floor track is the first self-cleaning round hole track available: Dust intruded into the track will be removed automatically when a shoring pole is brought into position. Also, Tilly is covered so less dust gets into the track anyways.



Alternatively, CRS system is available with aluminium airline tracks.



We are pleased to configure your individual system!

### ► CRS shoring beams

#### Robust securing beams



The height of the beams can be adjusted by 50 mm. Ergonomic handles make them easy to use.



## ► Shoring poles and shoring beams

### Securing the load horizontally



Shoring poles are available in 3 versions:

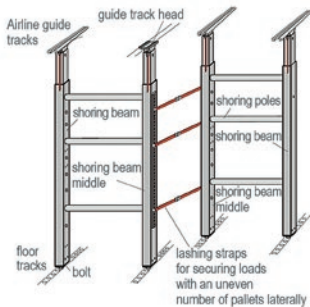
- permanently mounted to the beam
- removable
- particularly robust with KAT AJS cross-beams

If poles are not being used, they can be conveniently stowed away, but are always at hand.



## ► Straps

### For securing the load laterally



If there are an uneven number of pallets, they can be secured by attaching lashing straps between the central shoring beams.



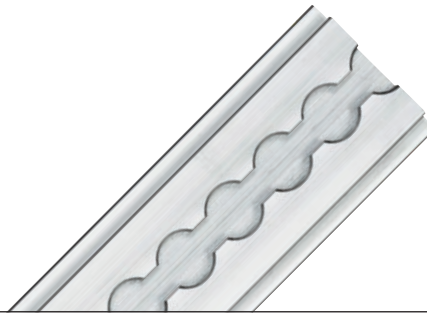
## ► CRS-system accessories

### Securing and space-saving storage

- roof holder is used to store the beams. Also available for retrofitting
- shoring poles
- shoring pole holders
- KAT AJS shoring beam set, consisting of 3 beams with holders
- release rod makes it easier to stow the CRS-shoring beams, particularly if the vehicle has a high roof

# CRS-system

Components  
in detail



## Roof tracks

Roof track	1 - Profile / Length			Order code
Length 220 to 7000 mm			Galvanized steel strip Weight: 2,94 kg/m	520048 Roof Length xxxx mm

Round hole roof track, galvanized	1 - Profile / Length			Order code
Length 220 to 7608 mm			Galvanized steel strip Ø 20 mm Weight: 3,00 kg/m	552081 Round hole roof track Length xxxx mm

Airline guide track for CRS	1 - Profile / Length			Order code
Length 220 to 7000 mm			Aluminium Weight: 1,08 kg/m	522020 Guide Length xxxx mm

## Floor tracks

TILLY floor track	1 - Profile / Length			Order code
Length 220 to 7608 mm			Galvanized Ø 20 mm Weight: 3,20 kg/m	512145 TILLY Bodenschiene Länge xxxx mm

Special Airline track	1 - Profile / Length			Order code
Length 220 to 7000 mm			Aluminium Ø 20 mm Weight: 1,67 kg/m	521453 24 mm floor Length xxxx mm

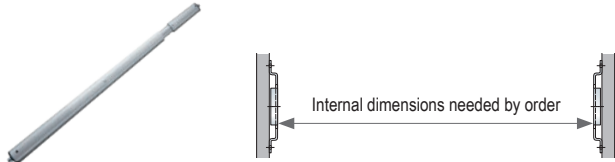
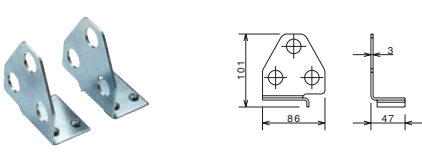


Light Airline track	1 - Profile / Length			Order code
Length 220 to 6000 mm			Aluminium Ø 20 mm Weight: 1,67 kg/m	71226 Airline Rectangular Length xxxx mm

### ▶ Sample order code



TILLY - 6000



## Accessories

<b>Cross bars</b>	1 - Article	Order code
	 <p>Internal dimensions needed by order</p>	512123 removable or no lose assembly
<b>Park holder set for 3 cross bars</b>	1 - Article	Order code
		Set consisting of 2 items 510479-x3
<b>Release rod</b>	1 - Article	Order code
		Length: 1270 mm 512039
<b>CRS beam holder Set</b>	1 - Article	Order code
		For steel track and cross-beam 512013-0010 For steel track and roof panel 512013-0020 For aluminium tracks 512013-0060

## Spare parts

<b>Strap for CRS beams</b>	1 - Article	Order code
	Length 0,75 m Length 1,15 m Length 1,40 m	512026-1500 512026-2300 512026-2800
<b>Handle set for CRS beams</b>	1 - Article	Order code
	Plastic	510484-10

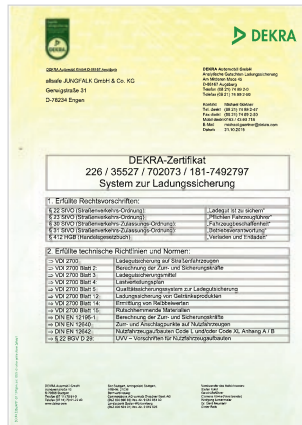
### ► Sample order code

CRS beam holder 512013-0010



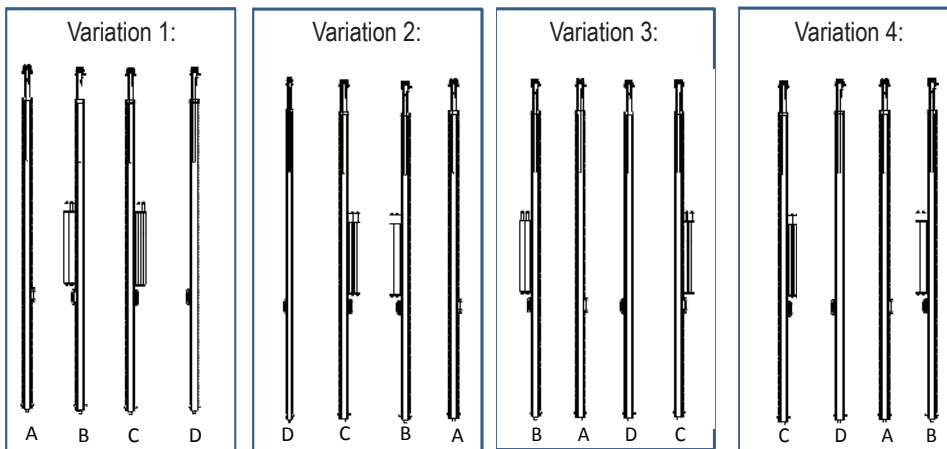
# CRS-system | Certification

The CRS-system offers you maximum safety. Certification available upon request.

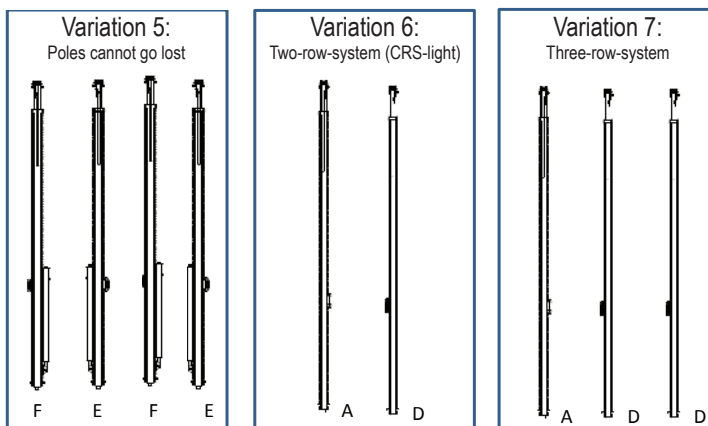


The certificate is valid for the following:	
Payload of up to 17 t in driving direction	✓
Payload of up to 28 t, secured at rear	✓
Approved floor tracks (we will be happy to advise you)	✓
Approved roof tracks (we will be happy to advise you)	✓
2-3 cross bars subject to loading height	✓
Up to an internal height of 3100 mm	✓

## Variations



## Variation for special usage



# CRS-system | To create your individual CRS-system, we require the following information:

## Application

1. 3 rows of pallets next to each other  2 rows of pallets next to each other
2. Do you need a certificate? (see criteria on page 52) YES  NO

Please note: The following information has a bearing on the validity of the certificate. Please feel free to discuss this with us.

## Vehicle information

3. Payload? \_\_\_\_\_ kg
4. Load capacity (code L / XL / none)? \_\_\_\_\_ kg
5. Length of the loading area floor? \_\_\_\_\_ mm
6. Internal height of the vehicle? \_\_\_\_\_ mm

## Roof and floor tracks

7. Required floor tracks (see page 50): \_\_\_\_\_
8. Number and length of floor tracks\*: \_\_\_\_\_
9. Pitch? 50 mm (standard)  40 mm  Calculate number
10. Required roof tracks (see page 50): \_\_\_\_\_
11. Number and length of roof tracks\*: \_\_\_\_\_
12. Calculate number automatically
13. Track centre distance \_\_\_\_\_ mm

\* Floor and roof tracks are available in the standard lengths of 2000, 3000 and 6000 mm or customized to your required length.

## Application and system details

14. In which direction should the load be secured? Towards the rear  Towards the front and rear
15. Will partial gaps sometimes be present\*\*\*? YES  NO
16. Your system will be delivered assembled. Please select a construction variant. Construction variant: \_\_\_\_\_
17. Beam holder? YES  NO
18. Where should the roof holders be attached? Cross member  Roof panel
19. Do you want to add cross bars? YES  NO
20. 2-row system designed with KAT AJS  Spring slat loader
21. Number of cross bars: \_\_\_\_\_ pcs.
22. Straps for securing number of pallets? YES  NO
- Length strap: 900 – 1000 mm \_\_\_\_\_ pcs.
- Length strap: 1300 – 1700 mm \_\_\_\_\_ pcs.

\*\*\* Additional beams are required when loading with gaps.

Accessories AJS	41	CRS-system	54
Accessories ATD	23	CRS tracks	58
Accessories CRS	59	CTD accessories	50
Accessories CTD	50	CTD-III decking beam	48
Accessories JF	11	CTD-III keyhole panel	48
Airline guide track	8	CTD-III keyhole track	48
AJS accessories	35	CTD-III side beam	48
AJS lashing profile	40, 50	CTD pillars	49
AJS straps	41	CTD-system	44
AJS-system	36	JF accessories	11
allsafe	2	JF-system	4
ATD accessories	23	KAT AJS	40, 51
ATD decking beam Classic	18	KERL AJS 25	48
ATD decking beam Heavy-duty	19	KERL AJS 1000	48
ATD decking beam Space	20	KERL JF	9
ATD-system	14	KERL JFA	10
ATD-F	21	KERL JF fix	9
ATD-I	21	KERL JF slide	9
ATD-II	22	KIM 55	10
BERND	40	STD decking beam Classic	28
BERND Configurator	35	STD decking beam Classic with Pallet stop	28
CRS accessories	59	STD decking beam Heavy-duty	29
CRS spare parts	59	STD-system	24



## Order number overview

310275	11	512123	59
310280	11	512145	58
360 013-10	11	512154	10
510233-20	21	512155	10
510479	59	512156	10
510484-10	59	512191	41, 43, 48, 53
510706	53	520048	58
510706-10	41, 43, 50	520077	21
510800	48, 53	520086-20	23
510927-10	40, 43	520177	21
511078	53	520277	22
511078-10	41, 43, 50	520294	48, 53
511102-60	28	520421	21
511151	40, 43, 53	520422	21
511228	11	520477	22
511242	41, 43, 48, 53	520820	21
511263	11	520821	21
511266-0572	41	521025	22
511275	11, 41, 43, 53	521026	22
511306	40, 51	521127	40, 43, 50, 53
511307	40, 51	521161	48, 53
511308	40, 51	521309	21
511361	53	521453	58
511361-10	41, 43, 50	521597	41, 43
511380	48, 53	522020	8, 58
512013	59	552081	58
512014	9	560 438-10	11
512016	9	71 012	11
512017	9	71 017	11
512020	18, 28	71 036	11
512026	59	71 057	11
512027	19, 29	71226	58
512028	20	71 234	11
512039	59	71 863	11
512075	10	77 036	11



# Meaning of the icons



countersunk screw



riveting



glueing



taping



welding



flat head screw

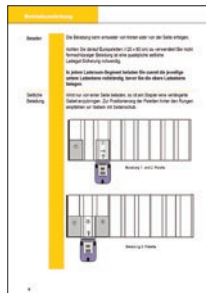
# Infos per QR-Code



Detailed information to the individual systems is available by scanning the QR code in the various chapters or by following the respective websites



Product information



Users manual



Assembly manual



Certificate

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