

# PRODUKT INFORMATION

## AJS

Load restraint system for curtainsiders





# 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, palettes, 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.



### 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 are 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 palette 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 space between the pillars 27t	4 space 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

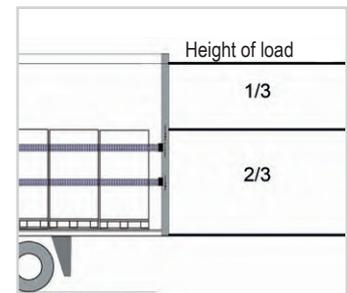
## ▶ AJS lashing profile with AJS-bolt fixation and AJS brackets

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

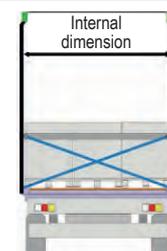
To be clipped into the AJS lashing profile



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

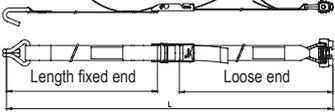
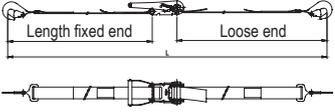
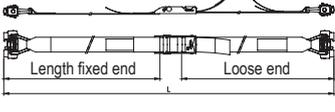
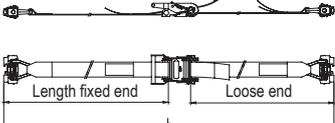
## ▶ Cross straps

Connection between AJS lashing profiles and anchor points

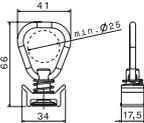
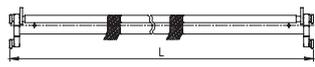
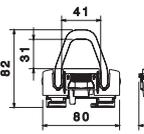
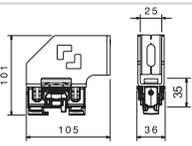




For securing individual loads

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

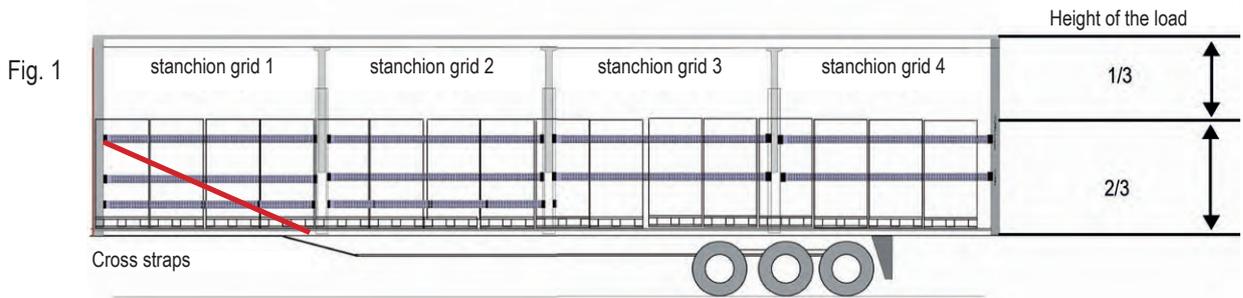
Accessories

		1 - Article	Order code
<b>CP3-Protector</b>			Aluminium 521597
<b>KERL AJS 300</b>		 41 m.ln. Ø2,5 6,6 34 17,5	Steel, Aluminium 511275 PU - 0012 pcs. - 0040 pcs. - 0080 pcs.
<b>Garment rail</b> for CTD side beams and AJS lashing profiles		 L	Steel, chrom Load capacity: 400 daN Length: 2400 - 2500 mm Weight: 6,50 kg 511081-20
<b>KERL AJS 1000</b> for CTD profile and AJS lashing profile		 41 82 31 80 35	Steel, KTL Load capacity: 1000 daN in compliance with EN 12640 511242 PU - 0004 pcs. - 0012 pcs. - 0040 pcs.
<b>KERL 25</b> for AJS lashing profile and CTD profile		 10,1 10,5 2,5 3,6 3,5	Steel galvanized, Plastic Load capacity: X: 1000 daN Y: 800 daN 511230 PU - 0004 pcs. - 0012 pcs. - 0040 pcs.

# AJS system | For your individual AJS system we need the following information:

## System

1. Do you need a certificate?	Code L <input type="checkbox"/>	Code XL <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. Does the load exceed 2/3 of the inner trailer height (fig. 1)	YES <input type="checkbox"/>	NO <input type="checkbox"/>		
4. Inner dimension of the trailer (fig. 3)	_____ mm			
5. 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"/>
6. 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"/>	
7. Distance between the pillars (fig. 2)?	_____ mm			
8. How many rows of lashing profiles do you have in each stanchion grid?	2 rows <input type="checkbox"/>	3 rows <input type="checkbox"/>		
9. Should one row of AJS lashing profile have AJS bolt-fixation?	YES <input type="checkbox"/>	NO <input type="checkbox"/>		



## Straps

10. Number of straps (Overcenter strap 511361-10) for side restraint via diagonal-cross restraint	_____ 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 (511234)	_____ pcs.

Fig. 2

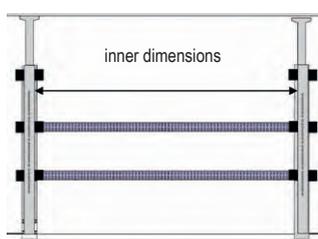
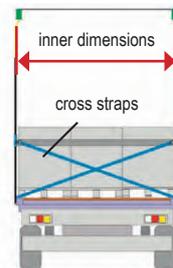


Fig. 3



# AJS system | Combinations

	AJS lashing profile 521127	AJS holder 511151
CP3-Protector 521597 	<input type="checkbox"/>	
KAT AJS 900, 1100, 2800 	<input type="checkbox"/>	<input type="checkbox"/>
Bolt fixation 510927-10 	<input type="checkbox"/>	
KERL AJS 25 511243 	<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"/>	



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