

# Tracks

## Airline tracks

the right tracks for all requirements

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## Pin tracks

for box-sidewalls

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# Products custom-made

## Combi tracks

for sidewalls and  
slats

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## Lashing points

for vehicle floors and  
headboards

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# Airline tracks



## Light

flexibel usage

- optimal dimensions ▶ suitable for all our needs
- slim wall thickness ▶ for flexible fitting contours
- intelligent design ▶ with optimum load capacity

## Standard

resilient and light

- high-strength aluminum ▶ low-weight – very high lashing capacity
- large variety of profiles ▶ right solution for all your needs
- flexibel accessories ▶ individual and very practical

## Heavy-duty

high-strength

- special alloy ▶ for maximum strength
- pitch can either be 25 mm or one inch ▶ variabel for every application
- certified components ▶ safety guaranteed

## Special

custom shapes

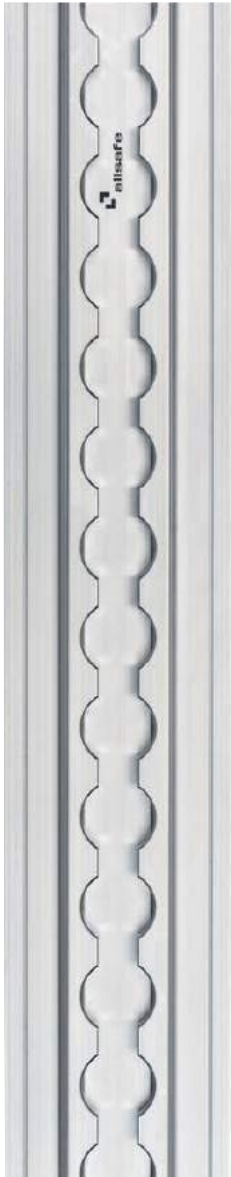
- individual shapes ▶ custom-made for your individual needs
- appropriate lashing capacity ▶ guaranteed to be safe and easy
- precise engineering ▶ driven by customer demand





TRACKS

### Your customized Airline track. Compose it yourself:



#### ▶ Total length

Compose your ready-to-install Airline track. We manufacture the tracks to any length required.

#### ▶ Mounting holes and starting point



Design the tracks with the appropriate mounting holes and the pitch required. The pitch of the mounting holes depend on the required load, direction of force and vehicle construction. The diameter and number of mounting holes should be determined by testing.

#### ▶ Shape of the ends



Design the end of the track to fit the interior of the vehicle.

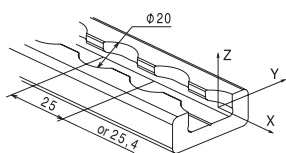
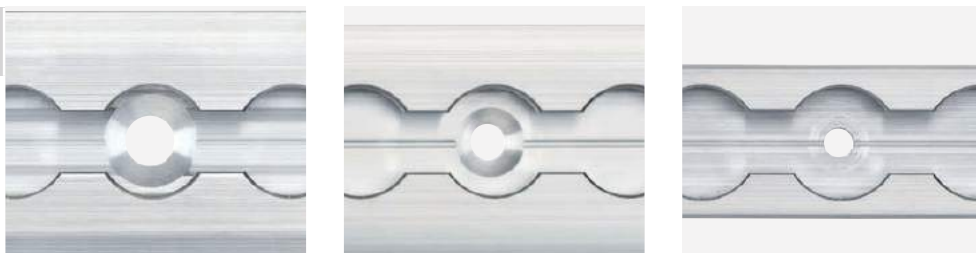
#### ▶ Load capacity

The Airline tracks can be qualified as lashing points in combination with KERLs comply with ISO 27955 (passenger vehicle), ISO 27956 (light commercial vehicle), DIN 75410-1 or EN 12640 (Intermodal loading units and commercial vehicles) by body builders.

The maximum load capacities shown opposite can only be achieved under the following conditions:

- adequate load distribution into the vehicle structure
- mounting pitch max. 75/76,2 mm with the exception of Airline steel (which needs to be 50 mm), Special Airline rave track (300 mm), Special Airline track 24 mm floor (500 mm), or sufficient adhesion.
- **Light Airline tracks** must be mounted with M5 screws (quality 10.9)
- **Standard, Special Airline tracks** and **HD** must be mounted with M6 screws (quality 10.9)
- **Special Airline track outer frame** with M10 screw, property class 8.8





	Light Airline track		Standard Airline track	
	Load capacity	Standard	Load capacity	Standard
KERL 500	350 daN	ISO 27955	350 daN	ISO 27955
	400 daN	ISO 27956 EN 12640	400 daN	EN 12640
			500 daN	ISO 27956
KERL 1000	350 daN	ISO 27955		
	400 daN	EN 12640	800 daN	ISO 27956
	500 daN	ISO 27956	1000 daN	EN 12640

	Light Airline track		Standard Airline track	
	Load capacity	Pull direction	Load capacity	Pull direction
KERL M10	500 daN	X	500 daN	X
	500 daN	Y	500 daN	Y
	800 daN	Z	2000 daN	Z

	Airline track		Airline track	
	Load capacity	Standard	Load capacity	Standard
KERL 2000	320357, 320643, 320646, 520224, 520266, 520609, 520623, 520624, 521476, 522020, 71206, 71207, 71209, 71224, 71226		520223, 520531, 521453, 71223	
	800 daN	ISO 27956	800 daN	ISO 27956
	1000 daN	EN 12640	2000 daN	EN 12640

\*520223, 521453 and 71223 mounted with an M8 screw









# 4.1 Airline tracks

## Light Airline tracks

Made of aluminum – For mounting on wall / floor or recessed.

### ► Profile and length without end caps (100 to 6000 mm)



1 - Profile / Length*	2 - Starting dimension	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
	<b>Light Airline tracks, rectangular</b>			Weight: 0.55 kg/m	71226 Light rectangular Length* xxxx mm
	<b>Light Airline tracks, slim</b>			Weight: 0.46 kg/m	320643 Light slim Length* xxxx mm
	<b>Light Airline tracks, flange</b>			Weight: 0.68 kg/m	520609 Light flange Length* xxxx mm
	<b>Light Airline tracks, semicircular</b>			Weight: 0.53 kg/m	520624 Light semicircular Length* xxxx mm
	<b>Light Airline tracks, recessed</b>			Weight: 0.69 kg/m	520623 Light recessed Length* xxxx mm
 <b>NEW!</b>	<b>Light Airline tracks, 10 mm floor</b>			Weight: 0,71 kg/m	521631 Light 10 mm floor Length xxxx mm
 <b>NEW!</b>	<b>Light Airline tracks, 9 mm floor</b>			Weight: 0,56 kg/m	522483 Light 9 mm floor Length xxxx mm
 <b>NEW!</b>	<b>Light Airline tracks, LED</b>			Weight: 0,66 kg/m	522477 Light LED Length xxxx mm



## ▶ Starting point

✓	2 - Starting dimension	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
e.g.: X = 0 mm	e.g.: X = 25 mm	e.g.: P = 25 mm	e.g.: P = 50 mm		
If not indicated otherwise, the starting dimension is X = 0 mm, pitch P = 25,0 mm.					

## ▶ Mounting holes

✓	✓	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code												
		S 4	S 5	S 6	S 8	N 4	N 5	N 6	D 5,0	D 5,5	D 6,6	D 8,5	M 5	M 6	FB 5		
		W	90°	90°	90°	90°	120°	120°									
		D	9	11	13	17,2	10,1	12,0	13,0							10,0	
		d	4,6*	5,6*	6,7*	9,1*	4,3	5,05	6,7*	5,0	5,5	6,6	8,5			5,0	
Please 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											

\* Size d can be smaller than indicated in case of low material thickness

## ▶ Pitch of mounting holes

✓	✓	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
(520609, 521631, 522483)	a2 = same pitch	a2 - a... = individual pitch			
Please specify the pitch of the mounting holes a1 and a2		Please specify the pitch of the mounting holes a1, a2, a3, a4 etc.			a1-xx / a2-xx

## ▶ Two-piece tracks

✓	✓	✓	4 - Ends	5 - End caps / Track cover	Order code
Please choose the division section: Middle		Beginning and end			Middle Beginning and end

## ▶ Shape of ends

✓	✓	✓	4 - Ends	5 - End caps / Track cover	Order code
Please 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-xx SL-xx

## ▶ End caps / Track cover

✓	✓	✓	✓	5 - End caps / Track cover	Order code
Plastic end caps. Only in combination with straight ended tracks (not compatible with 521631, 522483, 522477)					End caps
Track cover (not compatible with 320643 and 520624)					Track cover

## ▶ Sample order code

Airline Light flange - 1497\* - S5 - a1-25/a2-75 - Middle - A-straight - E-straight - End caps




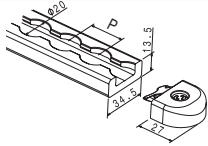

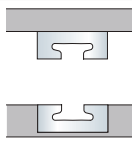
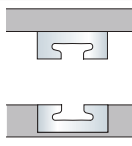


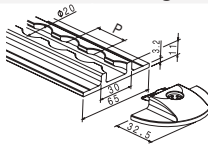
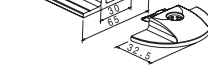
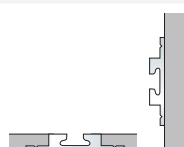
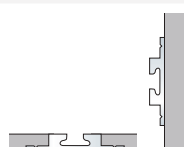


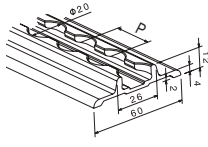
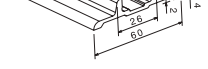
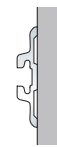
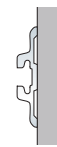


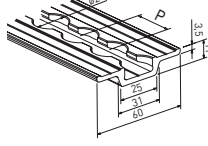
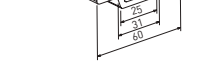




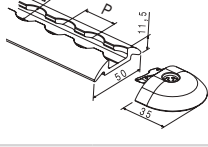
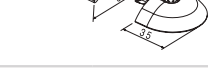




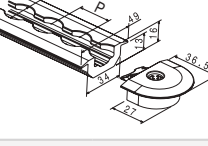

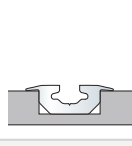
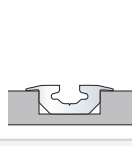


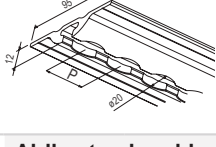





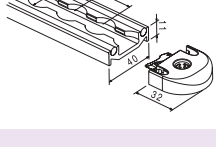
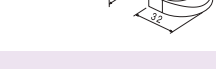



# 4.1 Airline tracks

## Standard Airline tracks

Made of aluminum – For mounting on wall / floor or recessed.

### ► Profile and length without end caps (100 to 6000 mm)



1 - Profile / Length*	2 - Starting dimension	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
				Weight: 0.90 kg/m  	71206 rectangular Length * xxxx mm
				Weight: 0.80 kg/m  	71209 flange Length * xxxx mm
				Weight: 0.61 kg/m  	320357 glueable Length xxxx mm
				Weight: 0.70 kg/m  	71207 wing Length xxxx mm
				Weight: 0.71 kg/m  	71224 semicircular Length * xxxx mm
				Weight: 0.98 kg/m  	71223 recessed Length * xxxx mm
				Weight: 1.43 kg/m  	520377 roof track Length xxxx mm
				Weight: 0.65 kg/m  	521476 rubber cord Length * xxxx mm

Available only with end caps

\* Length without end caps

## Starting point

✓	2 - Starting dimension	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
e.g.: X = 0 mm	e.g.: X = 25 mm	e.g.: P = 25 mm	e.g.: P = 50 mm		
If not indicated otherwise, the starting dimension is X = 0 mm, pitch P = 25,0 mm.					

## Mounting holes

✓	✓	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code										
		S 4	S 5	S 6	S 8	N 4	N 5	N 6	D 5,0	D 5,5	D 6,6	D 8,5	M 5	M 6	FB 5
		W	90°	90°	90°	120°	120°	120°							
		D	9	11	13	17,2	10,1	12,0							10,0
		d	4,6*	5,6*	6,7*	9,1*	4,3	5,05	6,7*	5,0	5,5	6,6	8,5		5,0
Please 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															
* Size d can be smaller than indicated in case of low material thickness															

## Pitch of mounting holes

✓	✓	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
(71209, 71207, 520377)	a2 = same pitch	a2 - a... = individual pitch			
Please specify the pitch of the mounting holes a1 and a2		Please specify the pitch of the mounting holes a1, a2, a3, a4 etc.			a1-xx / a2-xx

## Two-piece tracks

✓	✓	✓	4 - Ends	5 - End caps / Track cover	Order code
Please choose the division section: Middle			Beginning and end		Middle Beginning and end

## Shape of ends

✓	✓	✓	4 - Ends	5 - End caps / Track cover	Order code
Please 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-xx SL-xx

## End caps / Track cover

✓	✓	✓	✓	5 - End caps / Track cover	Order code
Plastic end caps. Only in combination with straight ended tracks (not compatible with 320357, 71207, 520819 und 520377)					End caps
Track cover (not compatible with 71224, 520377 and 521476)					Track cover

## Sample order code

Airline semicircular - 1497\* - D 6 - a1-25/a2-75 - Middle - A-straight - E-straight - End caps




# 4.1 Airline tracks

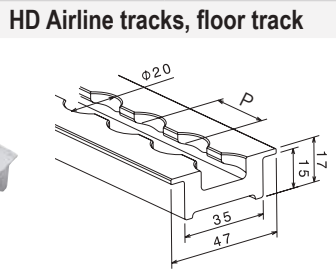
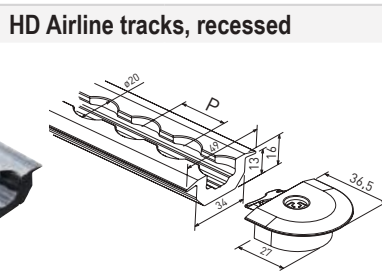
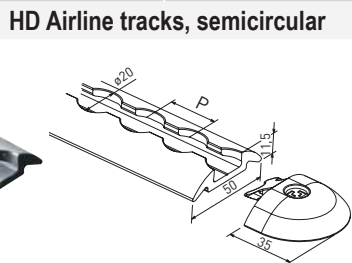
## Heavy-duty Airline tracks

Made of aluminum – For mounting on floor or recessed.

### ► Profile and length without end caps (100 to 6000 mm)



1 - Profile / Length*	2 - Starting dimension	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
	<b>HD Airline tracks, semicircular</b>			Weight: 0,76 kg/m	520224 HD semicircular Length * xxxx mm
	<b>HD Airline tracks, recessed</b>			Weight: 1,00 kg/m	520223 HD recessed Length * xxxx mm
	<b>HD Airline tracks, floor track</b>			Weight: 1,16 kg/m	320646 HD floor track Length xxxx mm



\* Length without end caps

## ▶ Starting dimension

✓	2 - Starting dimension	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
e.g.: X = 0 mm	e.g.: X = 25,4 mm	e.g.: P = 25,4 mm	e.g.: P = 50 mm		P-25 P-25,4
If not indicated otherwise, the starting dimension is X = 0 mm, pitch P = 25,0 mm					

## ▶ Mounting holes

✓	✓	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code												
		S 4	S 5	S 6	S 8	N 4	N 5	N 6	D 5,0	D 5,5	D 6,6	D 8,5	M 5	M 6	FB 5		
		W	90°	90°	90°	90°	120°	120°	120°								
		D	9	11	13	17,2	10,1	12,0	13,0								10,0
		d	4,6*	5,6*	6,7*	9,1*	4,3	5,05	6,7*	5,0	5,5	6,6	8,5				5,0
Please 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																	
* Size d can be smaller than indicated in case of low material thickness																	

## ▶ Pitch of mounting holes

✓	✓	3 - Mounting holes	4 - Ends	5 - End caps / Track cover	Order code
a2 = same pitch	a2 - a... = individual pitch				
Please specify the pitch of the mounting holes a1 and a2		Please specify the pitch of the mounting holes a1, a2, a3, a4 etc.			a1-xx / a2-xx

## ▶ Two-piece tracks

✓	✓	✓	4 - Ends	5 - End caps / Track cover	Order code
Please choose the division section: Middle Beginning and end					Middle Beginning and end

## ▶ Shape of ends

✓	✓	✓	4 - Ends	5 - End caps / Track cover	Order code
Please 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 - beveled A/E - R-xx A/E - F1-xx F2-xx A/E - SH-xx SL-xx

## ▶ Track cover / End caps

✓	✓	✓	✓	5 - End caps / Track cover	Order code
Plastic end caps. Only in combination with straight ended tracks (not compatible with 320646)					End caps
Track cover (not compatible with 520224)					Track cover

## ▶ Sample order code

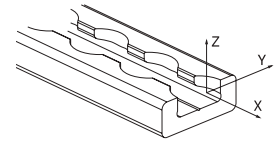
Airline HD semicircular - 1497\* - Y-25 - D6 - a1-25/a2-75 - Middle - A-straight - E-straight - End caps




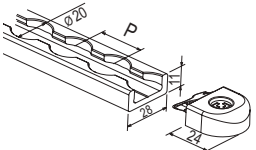
# 4.1 Airline tracks

## Accessories for Airline Light tracks

End caps made of plastic



### ▶ End caps


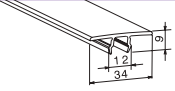
		Order code
	for Light, rectangular (71226) 	521500 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Light, slim (320643) 	521495 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Light, flange (520609) 	521501 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Light, semicircular (520624) 	521494 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Light, recessed (520623) 	521502 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.

### ▶ Sample order code

End cap, Light, semicircular - 0040



### ▶ Track cover (100 to 3000 mm)

		Order code
		
(not compatible with 320643 and 520624)		71380

### ▶ Sample order code

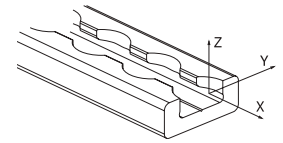
Track cover - 3000




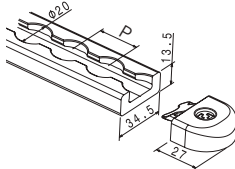
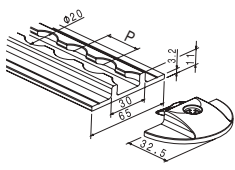

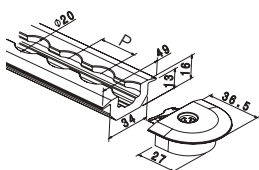

# Accessories for Airline track Standard/Heavy-duty



End caps made of plastic




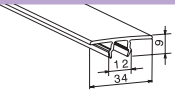
## ▶ End caps

		Order code
	for Standard, rectangular (71206) 	521496 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Standard, flange (71209) 	521497 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Standard semicircular (71224) / Heavy-duty semicircular (520224) 	521499 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Standard recessed (71223) / Heavy-duty recessed (520223) 	521498 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.
	for Standard round cord (521476) 	521477 Set of - 0012 pcs. - 0040 pcs. - 0080 pcs.

## ▶ Sample order code

End cap, Standard, rectangular - 0040 

## ▶ Track cover (100 to 3000 mm)

		Order code
		
(not compatible with 71224, 520224, 520377 and 5214760)		71380

## ▶ Sample order code

Track cover - 3000 


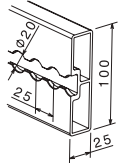

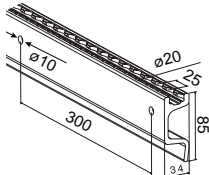

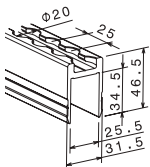

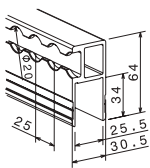

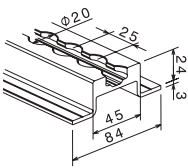
TRACKS

## Special Airline tracks

Made of aluminum

### ► Profile and length



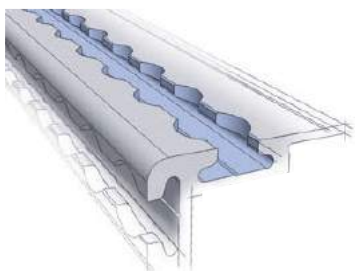
1 - Profile / Length		Weight	Order code
	<b>Special Airline track, lashing profile</b> 	Weight: 2,10 kg/m	71203 lashing profile Length xxxx mm (100 - 7200 mm)
	<b>Special Airline track, rave track</b> 	Weight: 2,18 kg/m	520531 rave track Length xxxx mm (100 - 1992 mm)
	<b>Special Airline track, side board top</b> 	Weight: 1,10 kg/m	71225 side board top Length xxxx mm (100 - 7200 mm)
	<b>Special Airline track, side board side</b> 	Weight: 1,30 kg/m	520450 side board side Length xxxx mm (100 - 7200 mm)
	<b>Special Airline track, 24 mm floor</b> 	Weight: 1,67 kg/m	521453 24 mm floor Length xxxx mm (100 - 7000 mm)

Fallet stop flange — EN 12642

### ► Sample order code

Airline lashing profile      -      1278

## Customized Airline track



We design the Airline track you require,  
customized to your specifications.

# Airline guide track





Made of aluminum

## Profile and length (100 to 7000 mm)

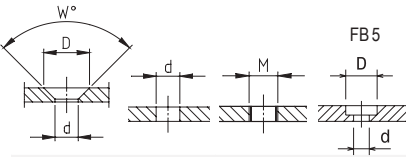


1 - Profile / Length	2 - Starting dimension	3 - Mounting holes	4 - Division & cutout	5 - Ends	Order code
	<b>Airline track, guide track</b>				522020 Guide track Length xxxx mm
					
			Weight: 1,42 kg/m		

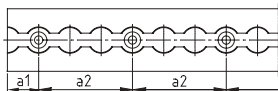
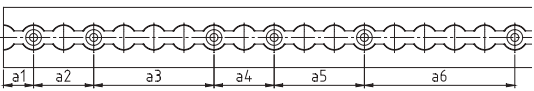
## Starting dimension

✓	✓	3 - Mounting holes	4 - Division & cutout	5 - Ends	Order code
					
z.B.: X = 0 mm	z.B.: X = 25 mm	z.B.: P = 25 mm	z.B.: P = 50 mm		
If not indicated otherwise, the starting dimension is X = 0 mm, pitch P = 25,0 mm					P-xx

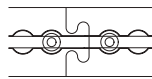
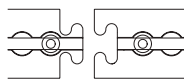
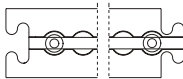
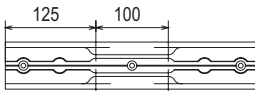
## Mounting holes

✓	✓	3 - Mounting holes	4 - Division & cutout	5 - Ends	Order code									
														
		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
Please select the type of mounting holes (S = Countersunk screw, N = Countersunk rivet, D = Cylindric hole, M = Internal thread, FB = Step drilling)														z. B.: S 5

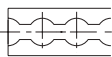
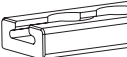
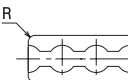
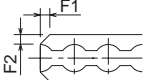
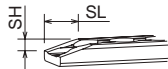
## Pitch of mounting holes

✓	✓	3 - Mounting holes	4 - Division & cutout	5 - Ends	Order code
					
a2 = same pitch	a2 - a... = individual pitch				
Please specify the pitch of the mounting holes a1 and a2		Please specify the pitch of the mounting holes a1, a2, a3, a4 etc.			a1-xx / a2-xx

## Two-piece tracks and JF-Cutout

✓	✓	✓	4 - Division & cutout	5 - Ends	Order code
					Middle Beginning and end JF-Out
Please choose the division section: Middle			Beginning and end	JF-Cutout	JF-Out

## Shape of ends

✓	✓	✓	✓	5 - Ends	Order code
					A/E-straight A/E-burred A/E-R-xx A/E-F1-xx F2-xx A/E-SH-xx SL-xx
Please select the shape of the beginning of the track (max. radius or max. F2 = half of track width in mm)					

## Sample order code

Airline guide track - 6800 - N 6 - a1-25/a2-75 - Middle - JF-Out - A-straight - E-straight



TRACKS




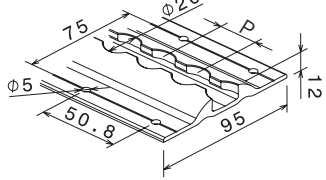



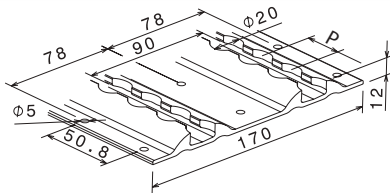


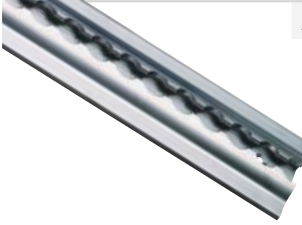
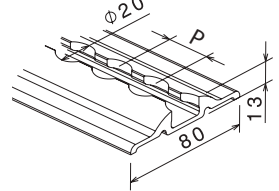


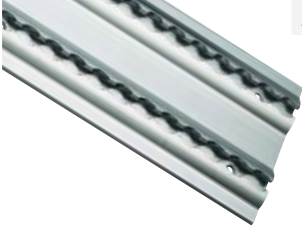
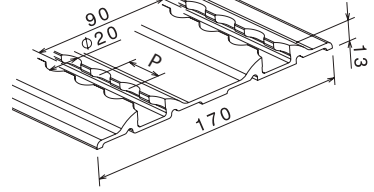



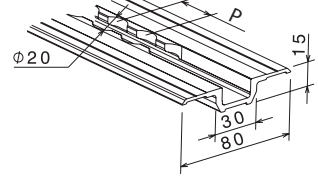



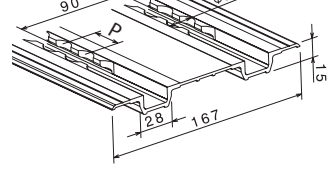



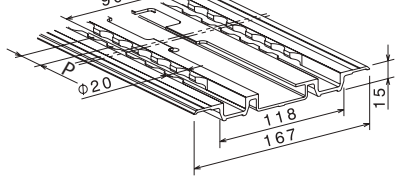


# 4.1 Airline tracks

## ATD Airline tracks

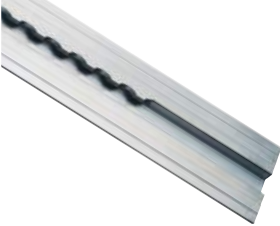
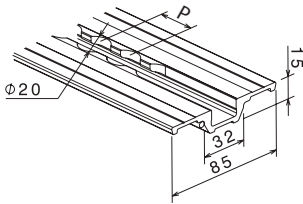

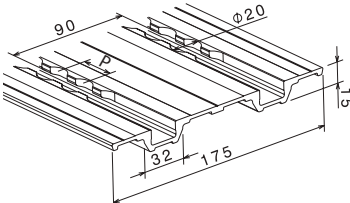

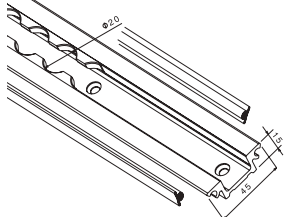




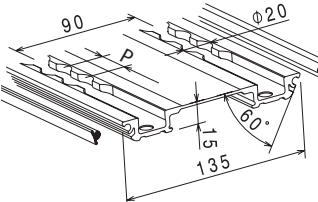




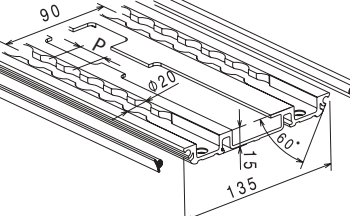



Made of aluminum – For vertical mounting with double-deck systems

### ► Profile and length (220 to 1960 mm)



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

## ► Profile and length (220 to 1960 mm)

1 - Profile / Length	2 - Pitch	Weight	Order code
	<b>ATD-II Airline track, single</b> 	Weight: 1,05 kg/m	520277 ATD-II single Length xxxx mm
	<b>ATD-II Airline track, double</b> 	Weight: 2,10 kg/m	520477 ATD-II double Length xxxx mm
	<b>ATD-II Airline track, slim, einfach</b> 	Weight: 0,69 kg/m	522616 ATD-II slim <b>einfach</b> Length xxxx mm
with silicon profile			  
	<b>ATD-II Airline track, slim, doppelt</b> 	Weight: 1,75 kg/m	521025 ATD-II slim doppelt Length xxxx mm
with silicon profile			  
	<b>ATD-II Airline track, slim for release rod</b> 	Weight: 1,95 kg/m	521026 ATD-II slim Release rod Length xxxx mm
with silicon profile			  

## ► Pitch

✓	2 - Pitch	Order code
		
e.g.: P = 25 mm	e.g.: P = 50 mm	P-25 P-50
If not indicated otherwise, the pitch is P = 25,0 mm.		

## ► Sample order code

Airline ATD-II double - 1960 - P-25



TRACKS

# Pin tracks



## 43 mm

resilient and light

- very compact ▶ optimal for small spaces
- high lashing capacity ▶ safety guaranteed
- protection inserts ▶ the solution for fragile goods

## 60 mm

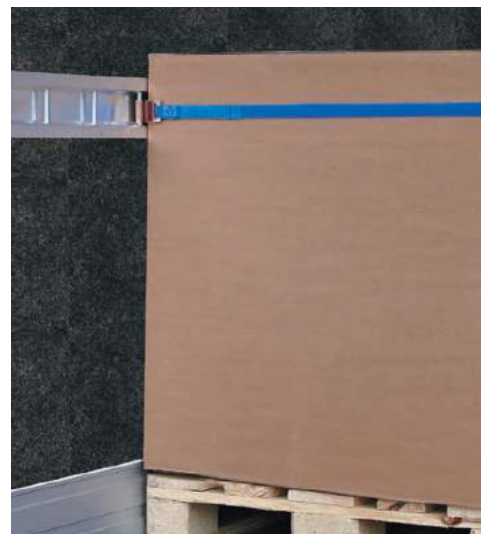
versatile

- 60 mm high-strength aluminum ▶ the standard for boxes
- for riveting, screwing, glueing ▶ suitable for mounting on all surfaces

## Special

customized fit

- recessed ▶ for smooth interior walls



TRACKS



### Your customized pin track. Compose it yourself:



#### ▶ Total length

Compose your ready-to-install pin track. We manufacture the tracks in any length required at no additional costs.

#### ▶ Pin pitch

Compose your track with the spacing you require between the pins.

#### ▶ Mounting holes

Choose the diameter for the mounting holes.

#### ▶ Mounting hole pitch

The mounting hole pitch depend on the required load, load direction force and the vehicle construction. The diameter and number of mounting holes should be determined by testing.

#### ▶ Protective insert

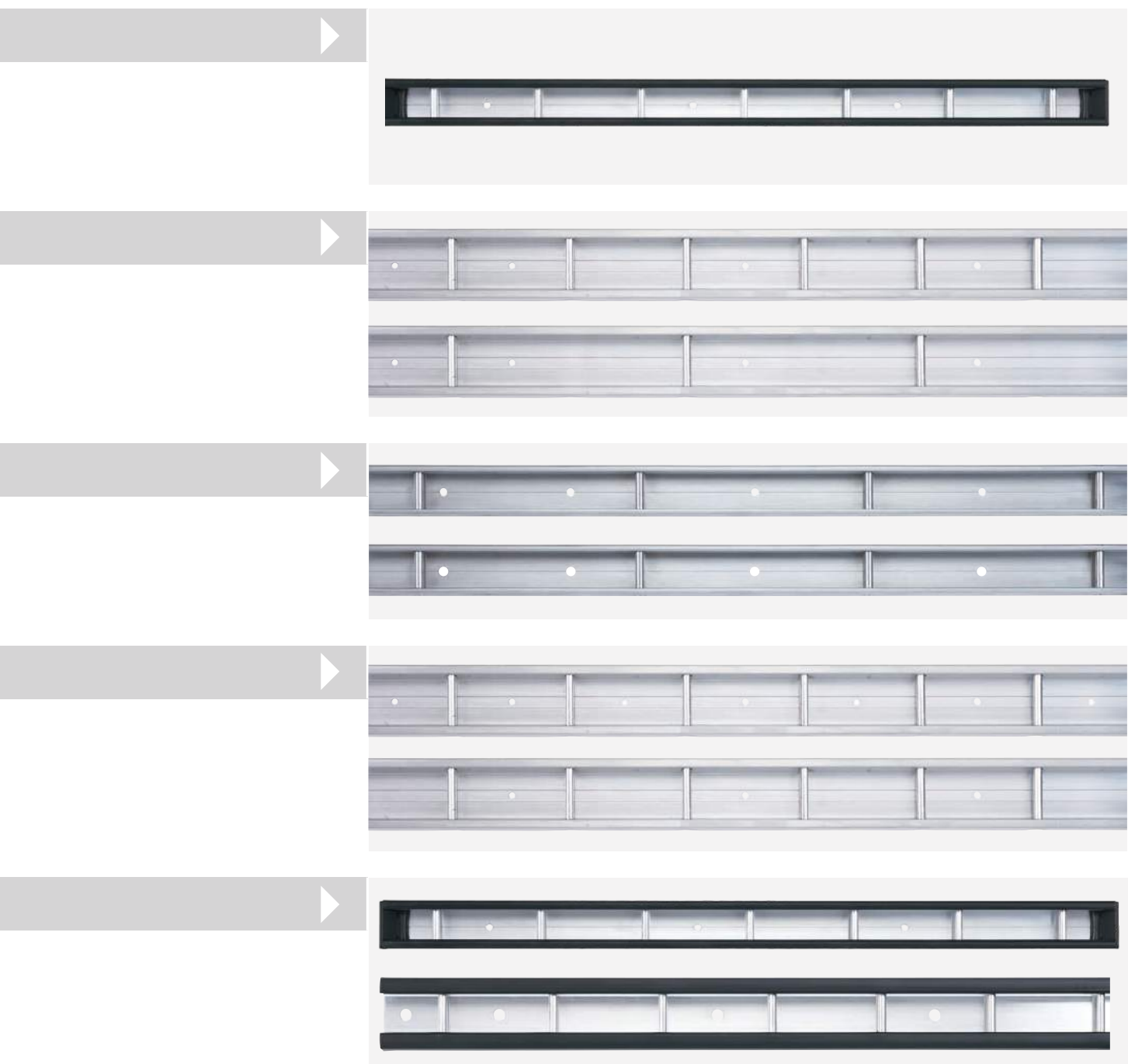
To protect your load, fit the tracks with a protective insert and appropriate end caps.

#### ▶ Load capacity

Pin tracks in combination with flat hooks can be qualified as an anchorage point according to ISO 27955 (passenger vehicle) or ISO 27956 (light commercial vehicle) by body builders.

The maximum load capacities shown opposite can only be achieved under the following conditions:

- adequate load distribution to the vehicle structure
- glue or screws mounted every 200 mm



	Pin track 510168, 71099	Pin track 71059	Pin track 510546, 511034
	<b>Load capacity</b>	<b>Load capacity</b>	<b>Load capacity</b>
Flat hook 71026, 71349	300 daN		400 daN
Flat hook 71077		300 daN	


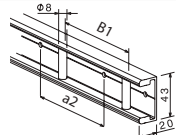

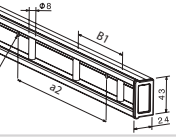


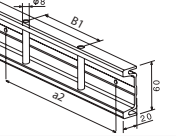


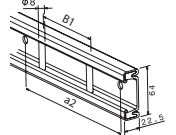

## 4.2 Pin tracks

### Pin tracks

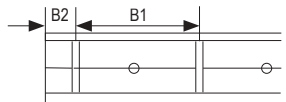
Made of aluminum – For mounting on wall.

#### Profile and length (220 to 6000 mm)

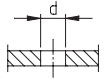


1 - Profile / Length	2 - Pin pitch	3 - Mounting holes	4 - Mounting hole pitch	Order code
	<b>Small pin track</b> 		Weight: 0,69 kg/m 	510546 Pin track small Length xxxx mm
	<b>Small pin track, protection</b> 		Weight: 0,85 kg/m 	511034 Pin track small protection Length xxxx mm
	<b>Large pin track</b> 		Weight: 1,23 kg/m 	510168 Pin track large Length xxxx mm
	<b>Large pin track, protection</b> 		Weight: 1,37 kg/m 	71099 Pin track large protection Length xxxx mm

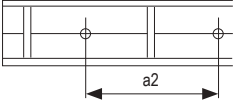
#### Pin pitch

✓	2 - Pin pitch	3 - Mounting holes	4 - Mounting hole pitch	Order code
	Good results have been achieved with: Pin pitch B1 = 100 mm, B2 = 50 mm B2 min. 50 mm - max. 150 mm			B1 xxx B2 xxx
Please select the pin pitch B1 and B2				

#### Mounting holes

✓	✓	3 - Mounting holes	4 - Mounting hole pitch	Order code
		D 5	D 6	D 5 or D 6
	d	5,0	6,0	
Please select the diameter of the mounting holes				

#### Mounting hole pitch

✓	✓	✓	4 - Mounting hole pitch	Order code
	Good results have been achieved with: Mounting hole pitch a2 = 200 mm a2 = B1 or multiple integrals of B1			a2 xxx
Please select the a2 mounting hole pitch				


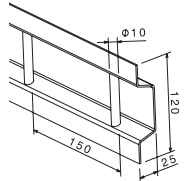

#### Sample order code

Pin track large - 1270 - D 5 - B1-100 / B2-50 / a2-20

# Pin tracks

Made of aluminum – Recessed in side walls.

## Profile and length


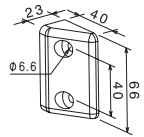
1 - Profile / Length			Order code
	<p><b>Pin track, recessed</b></p> 	<p>Weight: 0,89 kg/m</p> <p>Length up to 5000 mm</p> 	<p>71059 Pin track recessed Length xxxx mm</p>

## Sample order code

Pin track, recessed - 4100



## Accessories

<p>compatible with: 71099</p>		
<p>End caps 560066-10</p>		

# Combi tracks



## Combi tracks

well proven for sidewalls of boxes

- with e-tracks and round holes ▶ compatible with all Faktor 4 products
- a range of materials ▶ the right track for every requirement

## Round hole tracks

for boxes

- strong hold ▶ structural element for roof and floor
- various designs ▶ compatible with Ø 19 mm and Ø 24 mm bolts

## Lashing profiles

indispensible for setting up slats

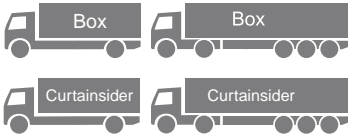
- low-weight ▶ high safety level– minimal payload loss
- intelligent design ▶ solid base for KERLs and Faktor 4
- quality certified according to VDI 2700 ▶ safe driving guaranteed

## Airline tracks Made of steel

Optimized dimensions with minimum wall thickness

- for welding or riveting ▶ ideal for steel construction
- Various lashing points ▶ flexibility for the user
- high-strength steel ▶ high load capacity






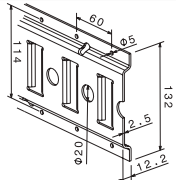

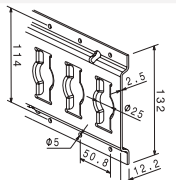

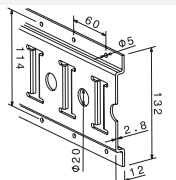

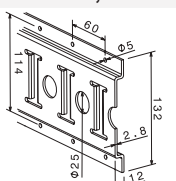

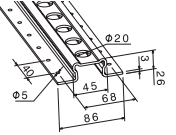

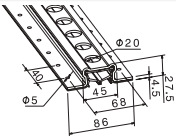
TRACKS

## Combi and Round hole tracks

For mounting on wall.



### Profile and length

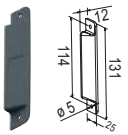
1 - Profile / Length		Order code
 	<b>Combi track, galvanized steel, Ø 20 mm</b> Weight: 2,30 kg/m Length: 220 to 3000 mm	71004 Combi 20 Length xxxx mm
 	<b>Combi track, galvanized steel, Ø 25 mm</b> Weight: 2,20 kg/m Length: 220 to 3000 mm	71219 Combi 25 Length xxxx mm
 	<b>Combi track, aluminum, Ø 20 mm</b> Weight: 0,97 kg/m Length: 220 to 3000 mm	71005 Combi alu 20 Length xxxx mm
 	<b>Combi track, aluminum, Ø 25 mm</b> Weight: 0,97 kg/m Length: 220 to 3000 mm	77225 Combi alu 25 Length xxxx mm
 	<b>Round hole roof track, galvanized, Ø 20 mm</b> Weight: 3,00 kg/m Length: 220 to 7608 mm	552081 Round hole roof track Length xxxx mm
 	<b>TILLY floor track, galvanized, Ø 20 mm</b> Weight: 3,20 kg/m Length: 220 to 7608 mm	512145 TILLY floor track Length xxxx mm

### Sample order code

Combi alu 20 - 2120

## Accessories

compatible with:  
71004, 71005,  
71219, 77225,


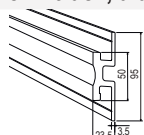




End caps 71414

## JFA track Made of aluminium.

### ► Profile and length


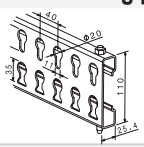
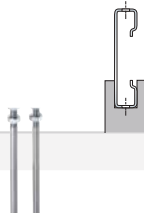



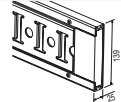


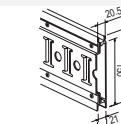

1 - Profile / Length			Order code
	<b>JFA track, aluminium</b>	Weight: 2,17 kg/m	71096
		Length: 220 bis 6000 mm	JFA
			Length xxxx mm

## Lashing profiles For setting up roof bows.

### ► Profile and length




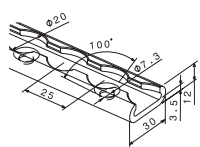
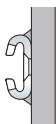

1 - Profile / Length			Order code
	<b>AJS lashing profile</b>	Weight: 3,60 kg/m	521127
optional accessories:		Length: 220 to 5000 mm	AJS lashing profile
	Fixing bolt 510927-10		Length xxxx mm
		AJS holder 511151-20	+ Fixing bolt + AJS holder

	<b>Lashing profile combi</b>	Weight: 2,63 kg/m	79005/25
		Length: 220 to 5000 mm	Lashing profile Combi
			Length mm xxxx
	<b>Sideboard profile combi</b>	Weight: 3,00 kg/m	79005/71909
		Length: 220 to 5000 mm	Sideboard profile combi
			Length mm xxxx

## Airline tracks Made of steel.

### ► Profile and length



1 - Profile / Length			Bestell-Code
	<b>Airline steel / galvanized steel</b>	Weight: 1,21 kg/m	520266
		Length: 220 to 4000 mm	Airline steel
			520267
			Airline steel galvanized
			Length xxxx mm

### ► Sample order code

Airline galvanized steel - 3508



# Lashing points



## Recessed lashing rings

for welding

- many designs ▶ suitable for every space
- comply with EN / ISO standards ▶ quality and safety guaranteed
- very strong ▶ tried and tested



## Recessed lashing rings Lashing plates

for screwing

- light-weight but high lashing capacity ▶ small dimensions, big safety
- comply with EN / ISO standards ▶ quality and safety guaranteed
- functional design ▶ very presentable







## Recessed lashing rings for welding

Recessed lashing rings you can depend on. When heavy weights need to be anchored, allsafe lashing rings are the first choice. They provide customized lashing points suitable for every load capacity. Discreetly integrated into the frame of the vehicle or the vehicle floor, they are extremely effective. The recessed lashing rings comply to relevant standards.

### Recessed lashing rings


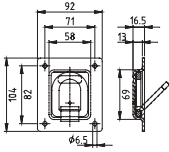

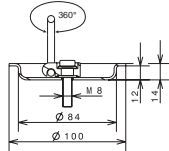

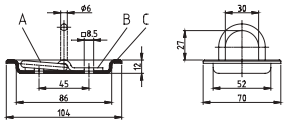

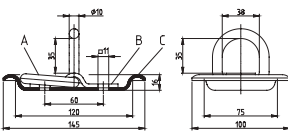

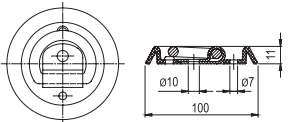

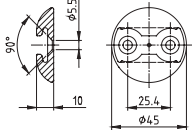

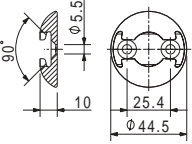

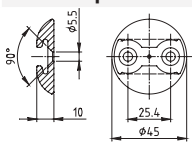

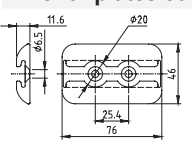
			Order code	
			<p>Recessed lashing ring 2500</p> <p>Steel</p> <p>Lashing capacity: 2500 daN EN 12640</p>	<p>71102</p>
			<p>Recessed lashing ring 8000</p> <p>Steel</p> <p>Lashing capacity: 8000 daN EN 12640</p>	<p>510901-10</p>

### Sample order code

Recessed lashing ring 2500 - 71102



## ► Lashing rings for screwing or riveting

			Order code
	<b>Recessed lashing ring 1000</b> 	Galvanized steel Lashing capacity: 1000 daN 800 daN EN 12640	510024-10
	<b>Recessed lashing ring 500</b> 	Galvanized steel Lashing capacity: 500 daN ISO 27956 400 daN EN 12640	511063-10
	<b>Recessed lashing ring 350</b> 	Galvanized steel Lashing capacity: 350 daN ISO 27956	71100
	<b>Recessed lashing ring 800</b> 	Galvanized steel Lashing capacity: 800 daN ISO 27956 400 daN EN 12640	71101
	<b>Recessed lashing ring 300</b> 	Galvanized steel Lashing capacity: 300 daN ISO 27956	560151-10
	<b>Anchor plates 500</b> 	Aluminum Lashing capacity: 500 daN ISO 27956 400 daN EN 12640	71106
	<b>Anchor plates Ø 20 mm</b> 	Aluminum compatible with shoring poles with end fittings 19 mm not compatible with KERL	322060
	<b>Anchor plates 500 black</b> 	Aluminum Lashing capacity: 500 daN ISO 27956	520153-21
	<b>Anchor plates 800</b> 	Aluminum Lashing capacity: 800 daN ISO 27956 800 daN EN 12640	520197-40

## ► Sample order code

Anchor plates 500 - 71106