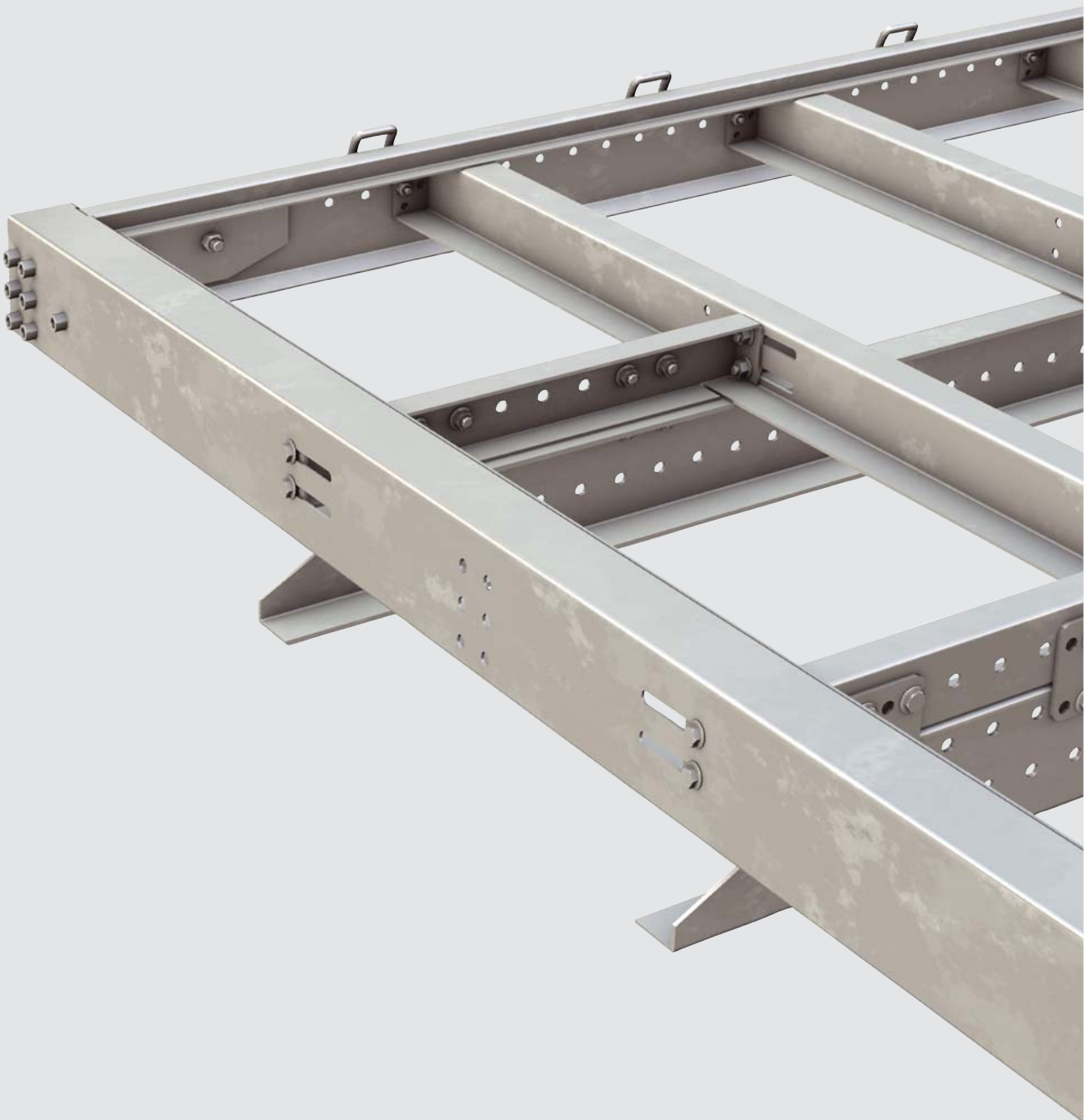


# TITGEMEYER<sup>®</sup> GTO

*YOUR SOLUTION*

■ **GETO<sup>®</sup> Sider Frame** base assembly for truck chassis  
Assembly instructions



# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

### GETO® Sider Frame base assembly

The base assembly (vehicle subframe) must always be assembled in accordance with the vehicle manufacturer's assembly instructions.

### Technical specifications

- Maximum overall length of base assemblies is 7950 mm.
- Overall length is variable in increments of 25 mm.
- Width of base assemblies is 2480 mm.
- Side rave height: 150 mm with 21 mm floor recess or 150 mm with 27 mm floor recess.
- Integrated cargo control is provided by the side rave.
- The lashing bars supplied must be fitted in accordance with DIN EN 12640.
- The longitudinal members are continuously variable and can be spaced between 700 and 880 mm apart.
  - Dimensions 100/60/5, 120/60/6 or 140/70/6 mm.
- The cross-members (80 mm high) are designed for base plate lengths of 1250 and 1500 mm.
- Cross-members can be installed at intervals of 25 mm; the cross-member spacing will need to be adjusted in keeping with the loads involved.
- Length of wheel arch: 1000 or 1250 mm; cross-member spacing is 980 mm.
- All components are made of high-strength fine-grain steel (S 355 MC) and are hot-dip galvanised.

#### Fasteners

- M 10 to connect the side raves (Items 5/5.1) to the cross-members (Item 2) and the aluminium ramming and impact protection profile (Item 21) to the side rave (Items 5/5.1)
- M 12 fasteners to connect the remaining components
- M 14 to connect the end members (Items 3/4) to the side raves (Items 5/5.1) via the reinforcing brackets (Items 9/10)

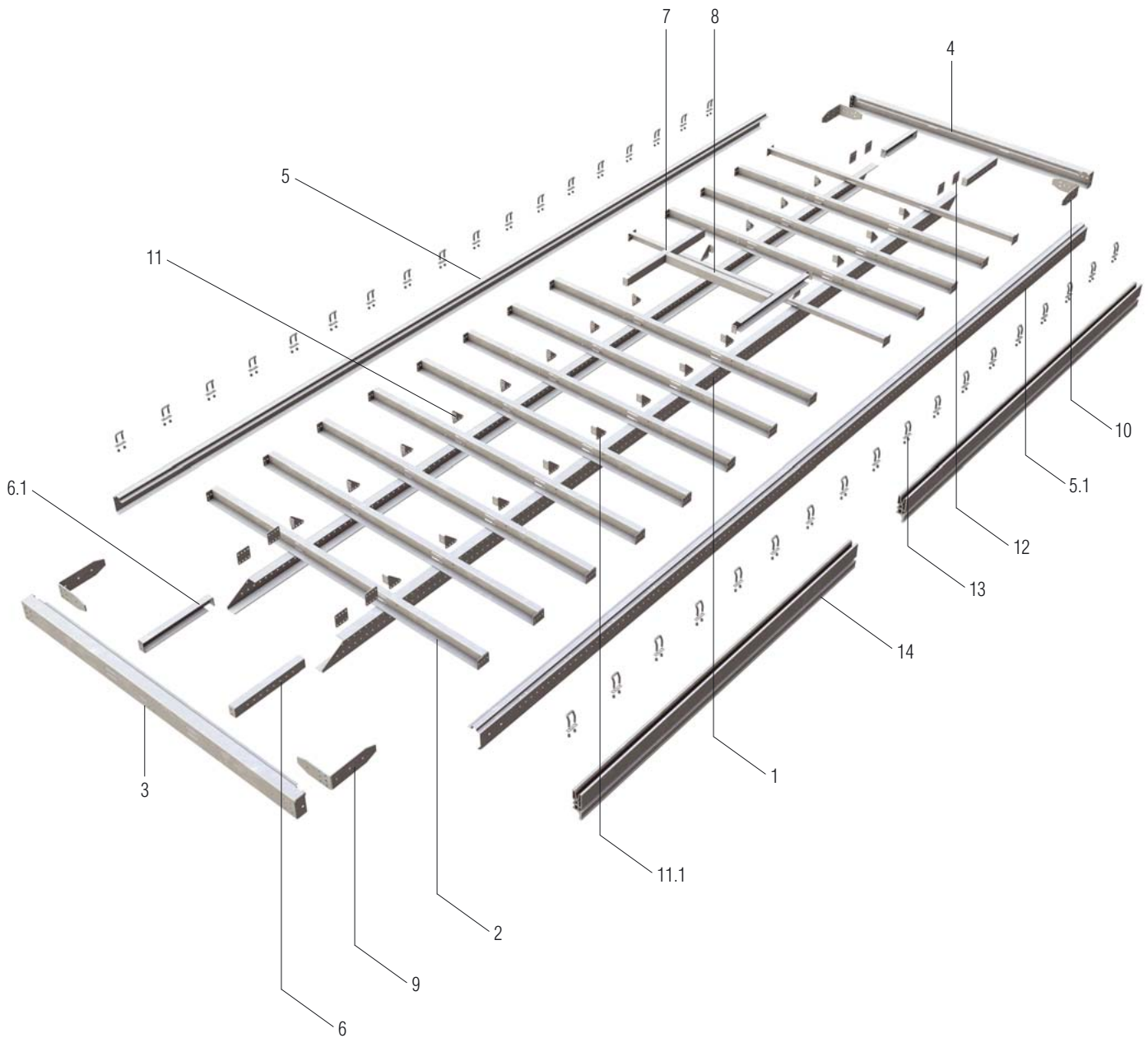
#### Torque for fasteners

Thread	Screw grade	Torque [Nm]
M 10	8.8	49
M 12	8.8	97*
M 14	10.9	200

\* Flange head screws with flange head nuts

# GETO® Sider Frame base assembly for truck chassis Assembly instructions

Overview of the entire GETO® Sider Frame base assembly:



# GETO® Sider Frame base assembly for truck chassis

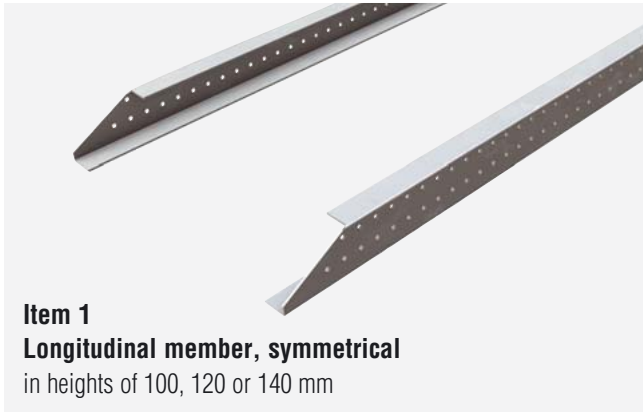
## Assembly instructions

### Parts list

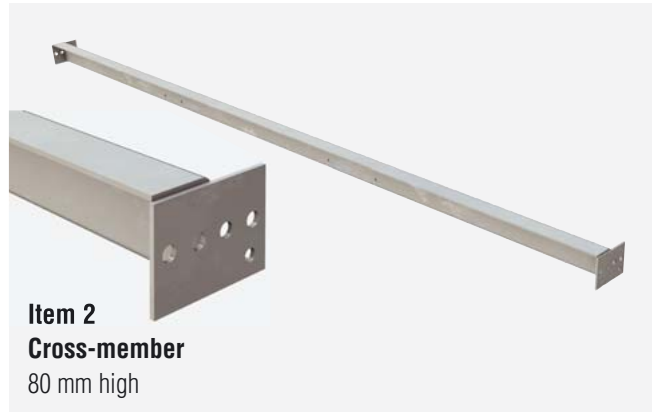
#### GETO® Sider Frame base assembly parts list

Pos.	Bezeichnung	Länge [mm]	Gewicht ca.	Artikel-Nr.
1	Longitudinal members 100 x 60 x 5 mm	7800	7,7 kg/m	<b>217 010 780</b>
1	Longitudinal members 120 x 60 x 6 mm	7800	10,0 kg/m	<b>217 012 780</b>
1	Longitudinal members 140 x 70 x 6 mm	7800	11,8 kg/m	<b>217 014 780</b>
2	Cross member 100 x 80 x 4 mm	2474	13,6 kg/each	<b>217 050 000</b>
3	Front member 103 x 150 x 3 mm – floor recess 21 mm	2480	17,2 kg/each	<b>217 038 000</b>
not illustr.	Front member, offset, 112 x 150 x 4 mm – floor recess 21 mm	2480	20,7 kg/each	<b>217 025 000</b>
3	Front member 103 x 150 x 3 mm – floor recess 27 mm	2480	20,0 kg/each	<b>217 030 000</b>
not illustr.	Front member, offset, 112 x 150 x 4 mm – floor recess 27 mm	2480	22,1 kg/each	<b>217 029 000</b>
4	Rear member 103 x 150 x 3 mm – floor recess 21 mm	2480	17,2 kg/each	<b>217 039 000</b>
not illustr.	Rear member, offset, 112 x 150 x 4 mm – floor recess 21 mm	2480	20,7 kg/each	<b>217 026 000</b>
4	Rear member 103 x 150 x 3 mm – floor recess 27 mm	2480	20,0 kg/each	<b>217 032 000</b>
not illustr.	Rear member, offset, 112 x 150 x 4 mm – floor recess 27 mm	2480	22,1 kg/each	<b>217 035 000</b>
5	Side rave 150 x 98 x 3 r.h. – floor recess 21 mm	7800	5,9 kg/m	<b>217 044 780</b>
5	Side rave 150 x 98 x 3 l.h. – floor recess 27 mm	7800	6,9 kg/m	<b>217 040 780</b>
5.1.	Side rave 152 x 98 x 3 r.h. – floor recess 21 mm	7800	5,9 kg/m	<b>217 045 780</b>
5.1.	Side rave 152 x 98 x 3 l.h. – floor recess 27 mm	7800	6,9 kg/m	<b>217 041 780</b>
6	Auxiliary longitudinal members 545 x 50 x 80 x 4 for cross-member spacing 500 left	–	2,8 kg/each	<b>217 060 001</b>
6	Auxiliary longitudinal members 670 x 50 x 80 x 4 for cross-member spacing 625 left	–	3,5 kg/each	<b>217 061 001</b>
6.1.	Auxiliary longitudinal members 545 x 50 x 80 x 4 for cross-member spacing 500 right	–	2,8 kg/each	<b>217 060 002</b>
6.1.	Auxiliary longitudinal members 670 x 50 x 80 x 4 for cross-member spacing 625 right	–	2,8 kg/each	<b>217 061 002</b>
7	Longitudinal members, wheel arch 1246 x 50 x 80 x 4 mm	1250	6,4 kg/each	<b>217 071 000</b>
7	Longitudinal members, wheel arch 996 x 50 x 80 x 4 mm	1000	5,1 kg/each	<b>217 072 000</b>
8	Cross member, wheel arch 980 x 50 x 80 x 4 mm	980	5,3 kg/each	<b>217 070 000</b>
9	Front reinforcing bracket 350 x 270 x 110 x 8 mm	–	3,8 kg/each	<b>217 080 000</b>
10	Rear reinforcing bracket 300 x 250 x 110 x 8 mm	–	3,3 kg/each	<b>217 081 000</b>
11	Small fixing bracket r.h. 111 x 43 x 111 x 5 mm	–	0,23 kg/each	<b>217 092 000</b>
11.1	Small fixing bracket l.h. 111 x 43 x 111 x 5 mm	–	0,23 kg/each	<b>217 093 000</b>
12	Assembly plate 100 x 100 x 6 mm	–	0,42 kg/each	<b>217 095 000</b>
13	Lashing ring with plate and two lock nuts, for fixing to pre-drilled side rave profile, permissible tensile force of 2000 daN	–	0,3 kg/each	<b>218 530 000</b>
13.1. alternativ	Lashing shackle with plate and two lock nuts, for fixing to pre-drilled side rave profile, permissible tensile force of 2500 daN	–	0,35 kg/each	<b>218 532 000</b>
14	Aluminium ramming and impact protection profile	3500	3,6 kg/each	<b>217 046 350</b>
not illustr.	Reinforcement for sliding pillar	–	0,38 kg/each	<b>217 097 000</b>
not illustr.	Reinforcement side post	–	1,27 kg/each	<b>246 048 000</b>
not illustr.	Universal chassis bracket (variable)	–	0,44 kg/each	<b>217 089 000</b>
not illustr.	Universal chassis assembly plate (fixed)	–	0,51 kg/each	<b>217 094 000</b>
not illustr.	Lashing point sticker	–	–	<b>612 396 000</b>
not illustr.	Polystic caps for the unused lashing holes in the side rave	–	–	<b>435 011 000</b>
not illustr.	Fasteners	–	6 kg	<b>217 099 000</b>
not illustr.	Fasteners M 10 (for Pos. 14)	–	0,6 kg	<b>217 099 014</b>
not illustr.	Additional set of screws M 12	–	3,9 kg	<b>217 099 013</b>

**GETO® Sider Frame** base assembly for truck chassis  
 Assembly instructions  
 Individual parts



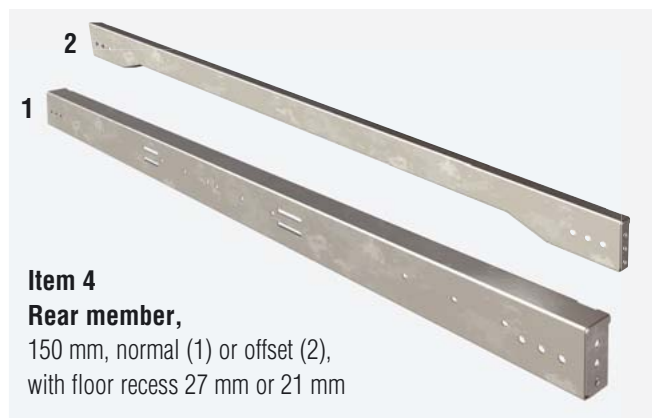
**Item 1**  
**Longitudinal member, symmetrical**  
 in heights of 100, 120 or 140 mm



**Item 2**  
**Cross-member**  
 80 mm high



**Item 3**  
**Front member,**  
 150 mm, normal (1) or offset (2),  
 with floor recess 27 mm or 21 mm



**Item 4**  
**Rear member,**  
 150 mm, normal (1) or offset (2),  
 with floor recess 27 mm or 21 mm



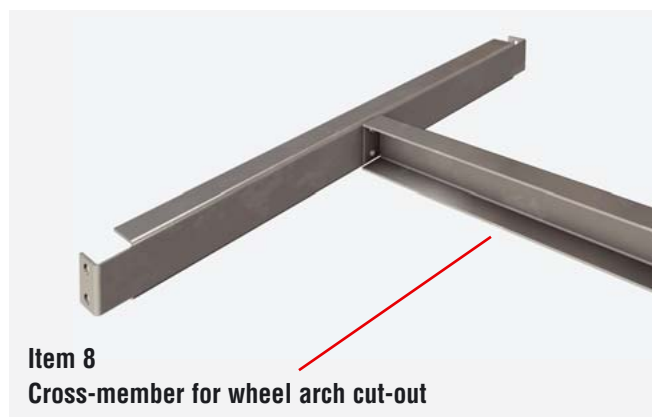
**Item 5 Side rave right-hand**  
 150 mm, with floor recess 27 mm or 21 mm  
**Item 5.1 Side rave left-hand**  
 150 mm, with floor recess 27 mm or 21 mm



**Item 6 / 6.1**  
**Auxiliary longitudinal member for front and rear**  
 for 500 or 625 mm (not illustr.) spacing, or auxiliary longitudinal  
 member for offset cross-members, exemplary left or right



**Item 7**  
**Longitudinal member for wheel arch cut-out**  
 for 1000 or 1250 mm spacing



**Item 8**  
**Cross-member for wheel arch cut-out**

# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

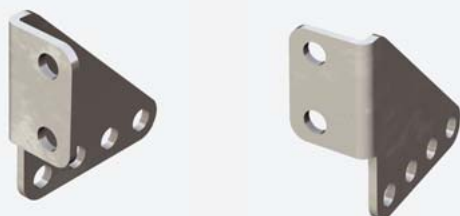
### Individual parts



**Item 9**  
Front reinforcing bracket



**Item 10**  
Rear reinforcing bracket



**Item 11 / 11.1**  
Fixing bracket  
(left and right bracket shown here)



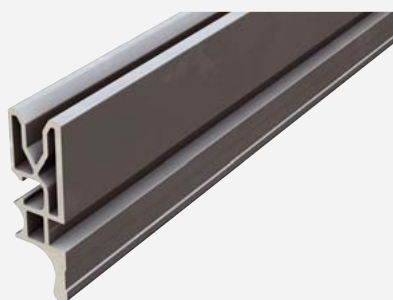
**Item 12**  
Assembly plate



**Item 13**  
Lashing ring with plate and  
two lock nuts, permissible  
tensile force of 2000 daN



**Item 13.1**  
Lashing shackle with plate and  
two lock nuts, permissible  
tensile force of 2500 daN



**Item 14**  
Aluminium ramming and impact protection profile



**Item 15**  
Reinforcement for sliding pillar (optional)

**GETO® Sider Frame** base assembly for truck chassis  
Assembly instructions  
Individual parts



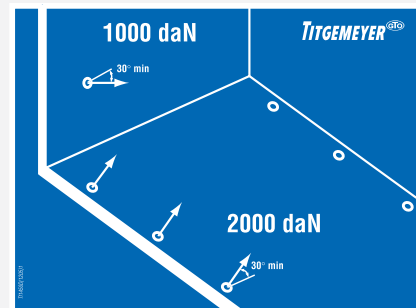
**Item 16**  
**Reinforcement side post** (optional)



**Item 17**  
**Universal chassis bracket**



**Item 18**  
**Universal chassis assembly plate**



**Item 19**  
**Lashing point sticker**



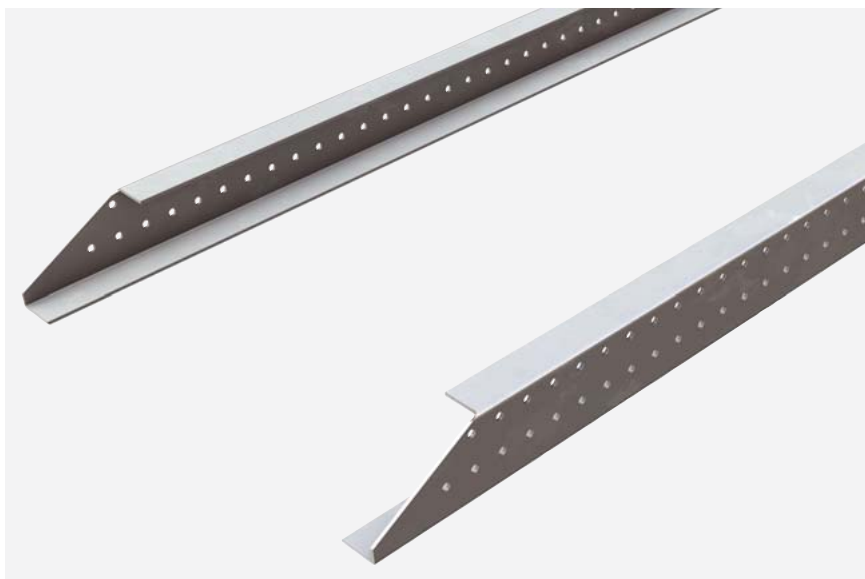
**Item 20**  
**POLYSTIC® caps**  
for the unused lashing holes in the side rave

# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

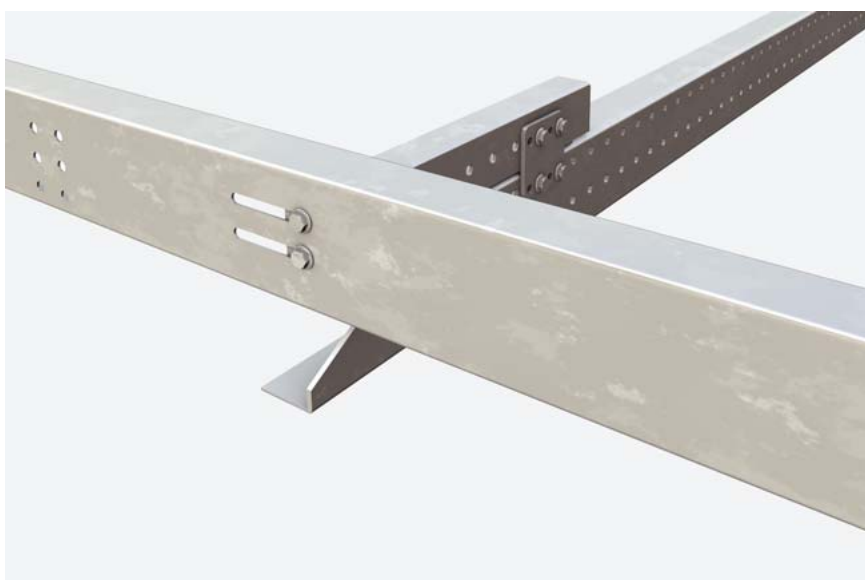
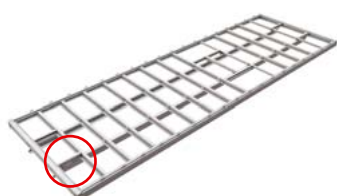
### How to install the GETO Sider Frame

Position the longitudinal members (Item 1). The chamfers should be pointing downwards. Align the longitudinal members according to the prescribed spacing (frame width) and attach. No offset in direction of travel between the longitudinal members

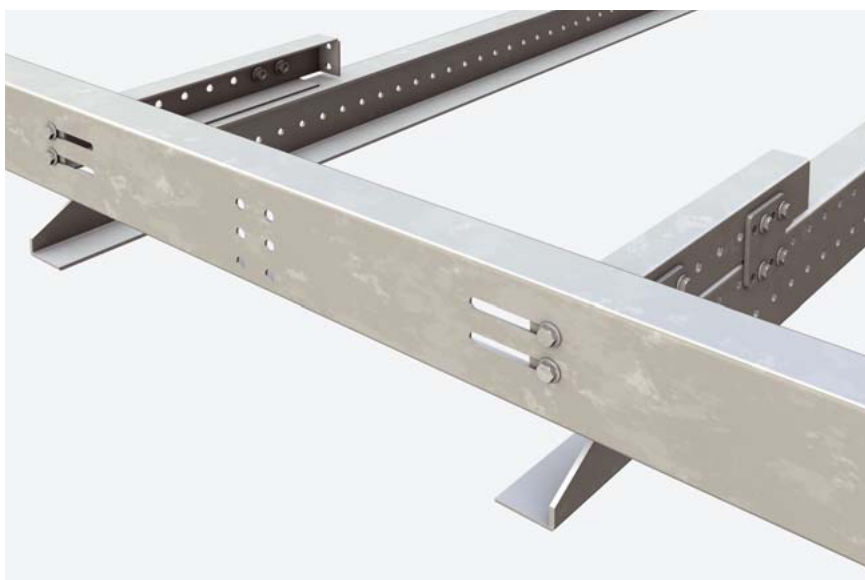
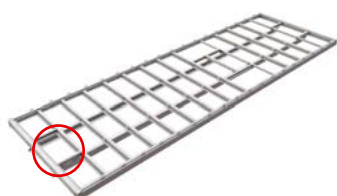


Align the front member (Item 3) and loosely bolt to the auxiliary longitudinal member (Item 6/6.1).

**CAUTION:** left and right version!



Loosely bolt the auxiliary longitudinal member (Item 6/6.1) to the longitudinal member (Item 1) via the assembly plates (Item 12).





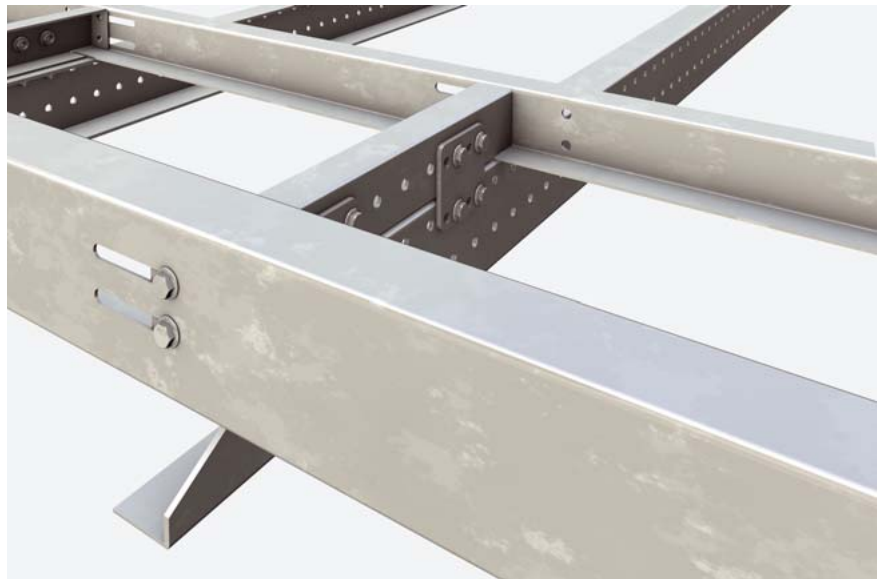
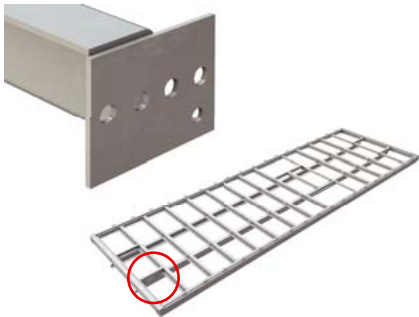
# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

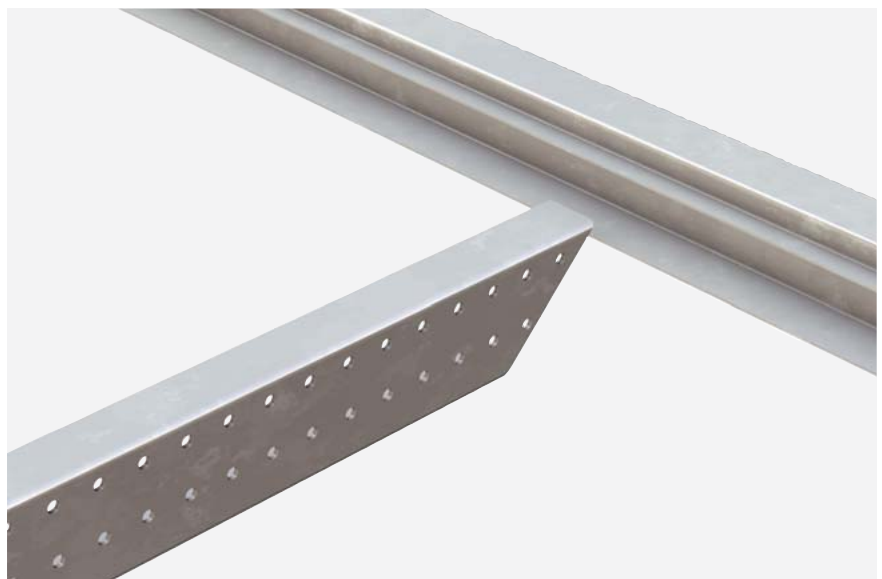
### How to install the GETO Sider Frame

Align the first cross-member (Item 2) and loosely bolt to the auxiliary longitudinal member (Item 6/6.1). The upper flange should be facing the back.

The front plates are offset.



Determine the length of the base assembly using 25 mm intervals (e.g. 6250, 6275 mm, etc.). Trim the rear end of the longitudinal member (Item 1) accordingly.



Loosely bolt the rear end member (Item 4) to the auxiliary longitudinal member (Item 6/6.1), then lay these on top of the longitudinal member and align. Loosely bolt the auxiliary longitudinal member to the longitudinal member (Item 1), using the assembly plates (Item 12). Check the length of the base assembly.

**CAUTION:** Ensure that the length of the auxiliary longitudinal member matches.

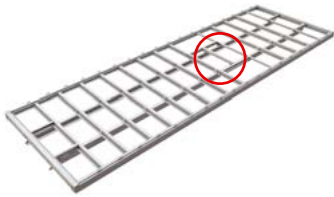


# GETO® Sider Frame base assembly for truck chassis

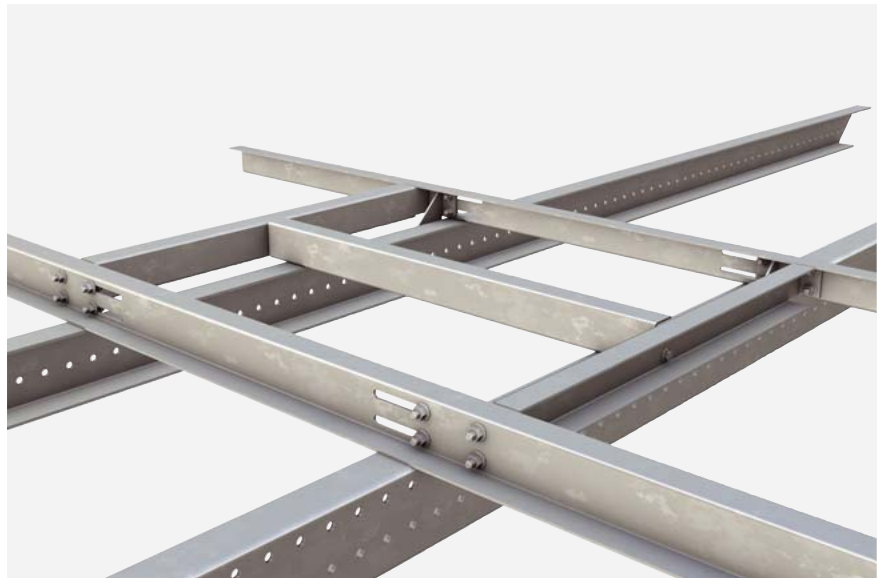
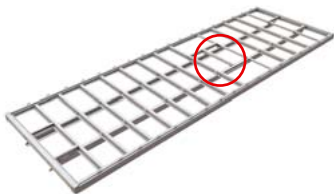
## Assembly instructions

### How to install the GETO Sider Frame

Align and loosely bolt the cross-members for the wheel arch cut-out (Item 8) to the longitudinal members for the wheel arch cut-out (Item 7).



Align and loosely bolt the cross-members for the wheel arch cut-out (Item 8) and the longitudinal members for the wheel arch cut-out (Item 7) to the two cross-members (Item 2).



Loosely bolt the cross-members (Item 2) to the small brackets (Items 11/11.1) and the longitudinal members (Item 1). When spacing the cross-members, consideration must be given to the obstructing base plates and/or the resulting fixed dimensions.

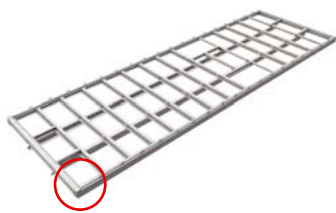


# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

### How to install the GETO Sider Frame

Insert the front reinforcing bracket (Item 9) into the front end member (Item 3), align and attach using the erection bolts.

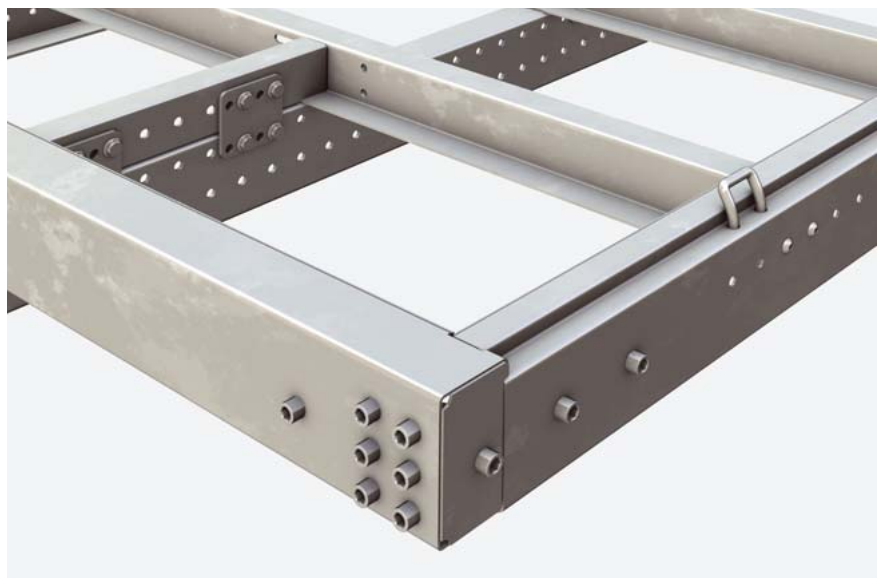
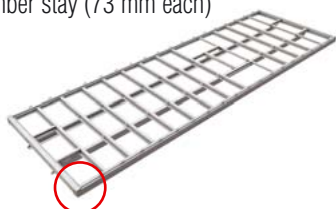


Insert the rear reinforcing bracket (Item 10) into the rear end member (Item 4) and attach using the erection bolts.



Trim the right-hand side rave (Item 5) and the left-hand side rave (Item 5.1), **(CAUTION: left- and right-hand versions available, the side to be trimmed is always at the back!)**, mount and loosely bolt to the reinforcing bracket (Item 9).

**Trimmed length of side rave profile**  
**Items 5 / 5.1** =  $L / 2$  / length of side rave profile on chassis minus 2 x width of front + end member stay (73 mm each)



# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

### How to install the GETO Sider Frame

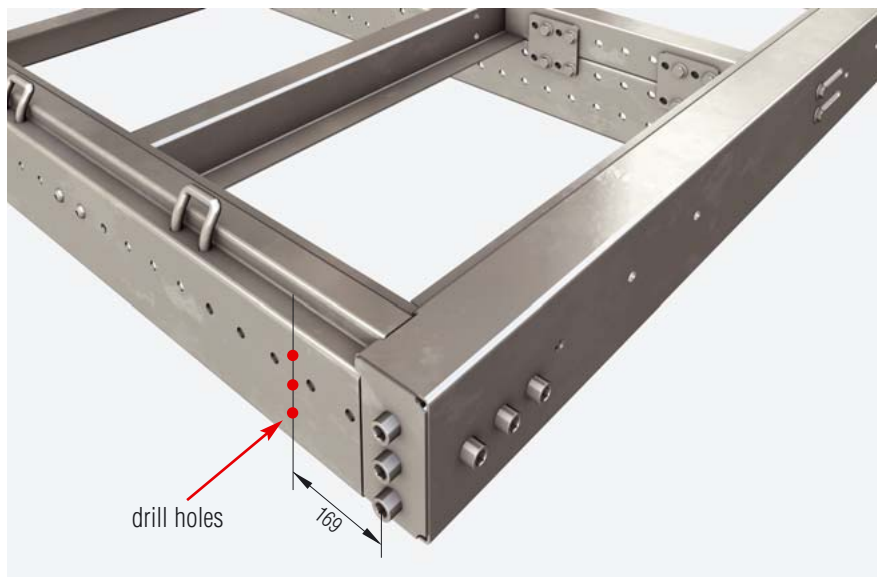
Loosely bolt all cross members Item 2 with outer frame Item 5 and 5.1. The loose assembly of the cross member is usually only after the assembly of both the outer frame-profile.

2 bolts per connection! There should be no tension between cross members and outer frame!

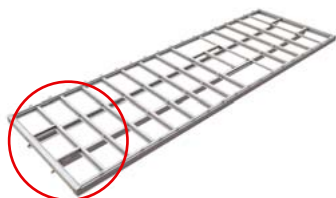


Align the corner brackets and secure using screw clamps. Drill holes into the back of the side rave (Item 5 and Item 5.1) to match those of the rear reinforcing bracket (Item 10) and loosely bolt the side raves.

Use the hole pattern to trace the required drill holes onto the inside of the reinforcing brackets.



Measure the diagonal and side lengths of the base assembly and tighten all fasteners. In order to align the base assembly diagonally, the end members will need to be aligned square to the front and back of the longitudinal members so the overlap is equal along both sides and then bolted in place! Place the entire base assembly on an even plane and bolt in place!!!

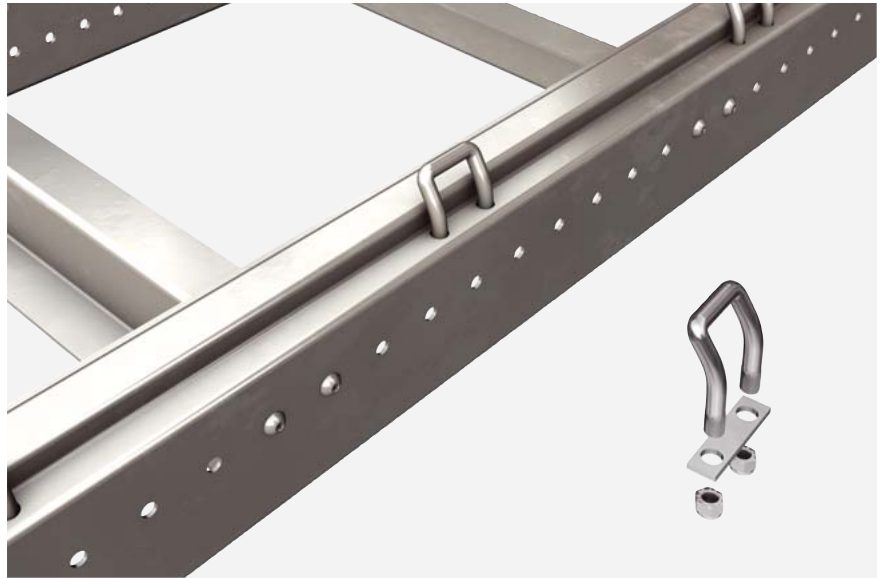
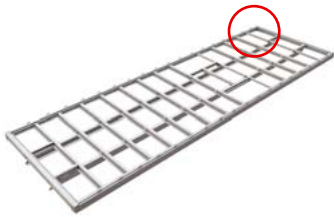


# GETO® Sider Frame base assembly for truck chassis

## Assembly instructions

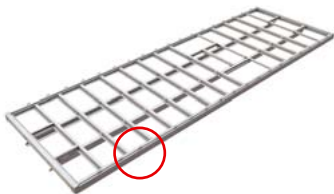
### How to install the GETO Sider Frame

Lashing rings Item 13 are fitted in the outer frame Item 5 and Item 5.1 with fixing plate and nuts according to DIN EN 12640. Occasionally, there can be only one hole available for the lashing ring. In this case another hole must be drilled in order to fit the lashing ring.

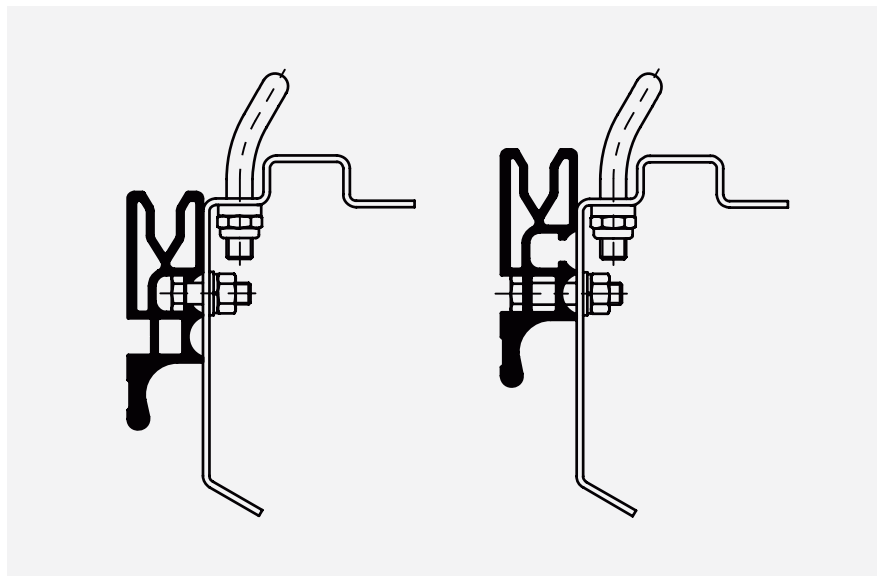


Aluminium ramming and impact protection profile (Item 14.)

Bolted to the side rave profile to attach the vertical curtain fasteners and to house the BISON SafeSide aluminium cargo control battens as well as the cargo control battens for the pyramid profile.



#### Installation options Aluminium ramming and impact protection profile





**Gebr. TITGEMEYER GmbH & Co. KG**

Hannoversche Straße 97

(Navigation: Hettlicher Masch 2)

49084 Osnabrück, Germany

P.O. Box 43 20

49033 Osnabrück, Germany

Phone: +49 (0)5 41/58 22-0

Fax: +49 (0)5 41/58 22-494

email: [truckandtrailer@titgemeyer.com](mailto:truckandtrailer@titgemeyer.com)

[www.titgemeyer.com](http://www.titgemeyer.com)