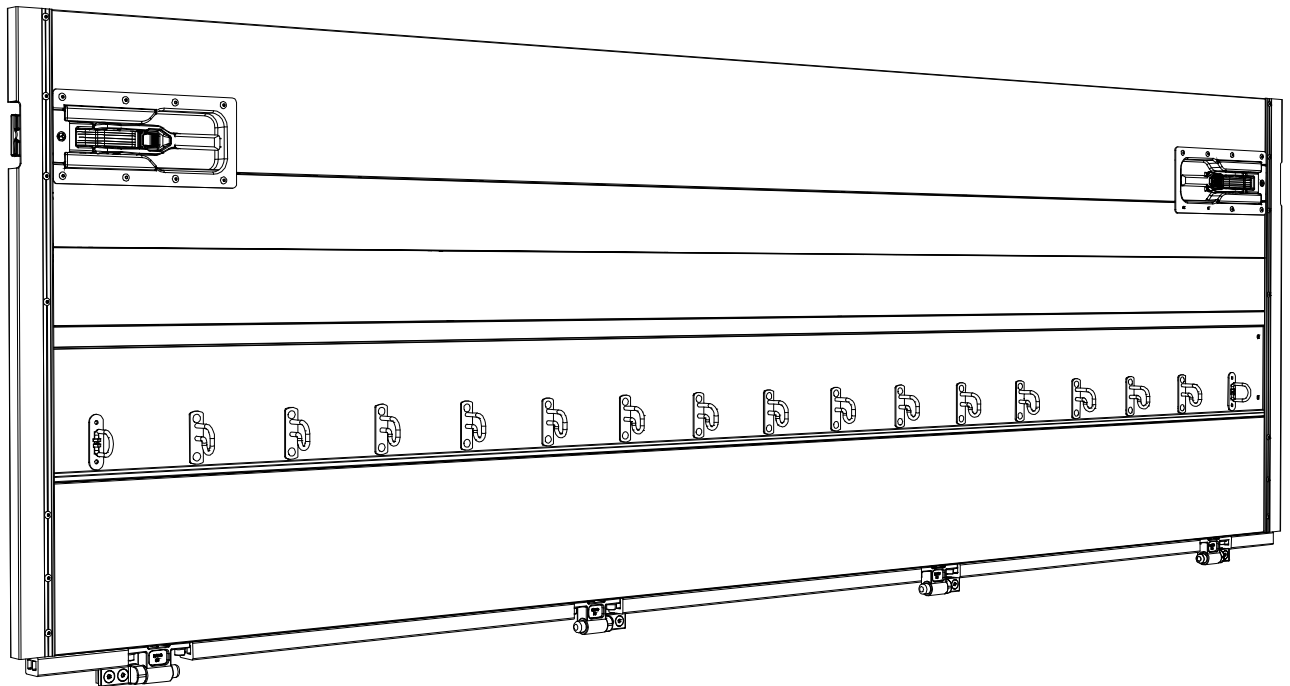


Mounting instruction drop side



Translation of the original mounting instruction

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GENERAL REMARKS

Introduction to Mounting Instruction

Alteration service: Yes

Staff: According to curriculum for apprenticeship as a body and vehicle mechanic and a body and vehicle construction mechanic.

This Mounting Instruction is part of the delivery and an important help for successful mounting. Therefore, it must be available to the mechanic during the mounting works.

Furthermore, the assembly guidelines of the applicable vehicle producers must be obeyed.

Copyright:

The copyright for this mounting instruction is reserved by TSE Trailer System Engineering GmbH & Co. KG

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Instruction and training support

As an employer, you are obliged to inform and instruct your personnel about existing legal and accident prevention regulations.

The personnel must have understood these instructions, and it must be safeguarded that the instructions are obeyed.

Only in this way you will reach safety and danger awareness of your personnel at work.

Example for training topics

1. About safety

- Accident prevention regulations
- General legislation
- General safety hints
- Measures in emergency cases
- Personal protective equipment

2. Maintenance and repair regulations

- Correct use of cleaning agents and lubricants
- Special experience of the mechanic in maintenance, repair, cleaning and upkeep of the product

Hints

Attention:

The surfaces of the TSE modules must not be contaminated with caustic cleaning fluids. Cleaning fluids with the appropriate labeling are aggressive and can cause damage to all component surfaces. These should expressly not be used for gentle cleaning.

Nummer	Symbol
GHS05	corrosivity


ATTENTION!

Texts with this symbol will warn you against possible mistakes in mounting and, therefore, against potential material damages.


HINT!

Texts with this symbol will give you tips or additional information.


TIGHTENING TORQUE!

Texts with this symbol will give you necessary tightening torques.


You need holes!

Texts with this symbol indicate the setting of holes.

Safety

General

Although our products are in accordance with the state of the art, they may pose a risk if:

- they are mounted by unskilled personnel
- they are maintained improperly

Safety hints

This safety instruction informs you about the products of TSE Trailer System Engineering GmbH & Co. KG. It contains information about maintenance and repair of the parts and their components. The service instruction has only been written for skilled personnel of qualified and authorized specialized companies in motor vehicle crafts. The service instruction is not applicable for other target groups.

We want to support specialized companies with the present mounting instruction during the mounting works with our products.

TSE Trailer System Engineering GmbH & Co. KG accepts no liability for the installation of inapplicable or unreleased parts in their products.

Defects due to wrong handling, aggressive cleaning agents, use of force or subsequent changes of the delivered product or single components of it, as well as non-observance of the safety hints and consequential damages caused thereby, are not covered by our warranty.

Only use unchanged original parts and accessories supplied by the manufacturer.

We do not accept any warranty for the correctness, completeness or currency of the given information. The contents and information of this mounting instruction are neither a warranty or warranted characteristics within the meaning of German legislation, respectively the German Civil Code (Bürgerliches Gesetzbuch (BGB)), nor can they be interpreted as such.

No claims can be derived from provision of information, recommendation or consulting. Liability for damages is generally excluded as far as we are not responsible in the sense of intent or gross negligence, or as far as this does not contradict mandatory legal provisions.

Texts and graphics are subject to our rights of use; copy rights or right of distribution in any form require our agreement.

Mentioned brand names, even if they are not marked as such in every case, are still subject to the regulations of the trade mark law.

If any disputes of legal nature occur from applying information found in this mounting instruction, they shall solely be subject to the regulations of German law.

The Amtsgericht Stuttgart (Local Court in Stuttgart) is deemed to be agreed on as place of jurisdiction. If some clauses of this declaration about limitation of liability do not or no longer comply with the applicable legal provisions, the validity of the other clauses shall remain unaffected thereof. Read the information in this mounting instruction carefully. Especially, obey the hints for your own safety.

All technical information, descriptions and pictures shall be valid from the day of their printing - respectively the day of any supplements hereto - on.

We reserve the right to make changes due to steady further development.

No claims can be derived from applications and explanations of this publication.

Safety hints for the technician:

Unauthorized people are not allowed to enter the vehicle and the area around it.

Your working area should be in good order.

Only works which you are commissioned and acquainted with have to be executed.

Increased caution is advisable in dangerous areas.

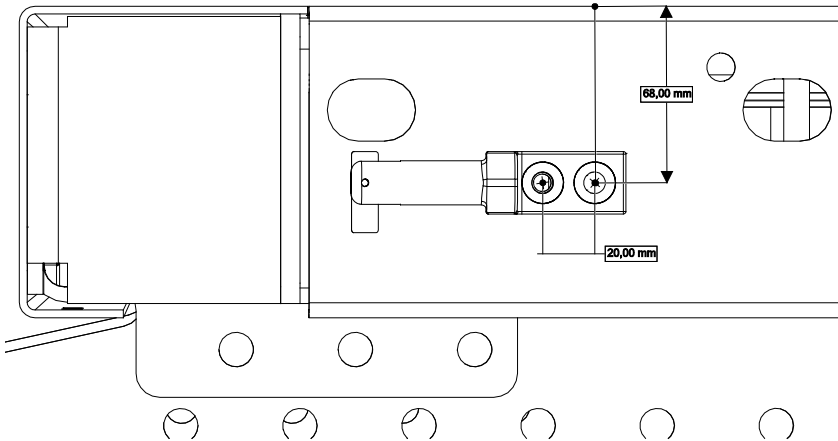
Obey the producer's information and safety hints for the applicable product when you deal with operation materials (oils, grease etc.).

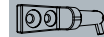
Only applicable lifting devices may be used.

Mounting of hinge pins

1

Identify position of the hinge pins



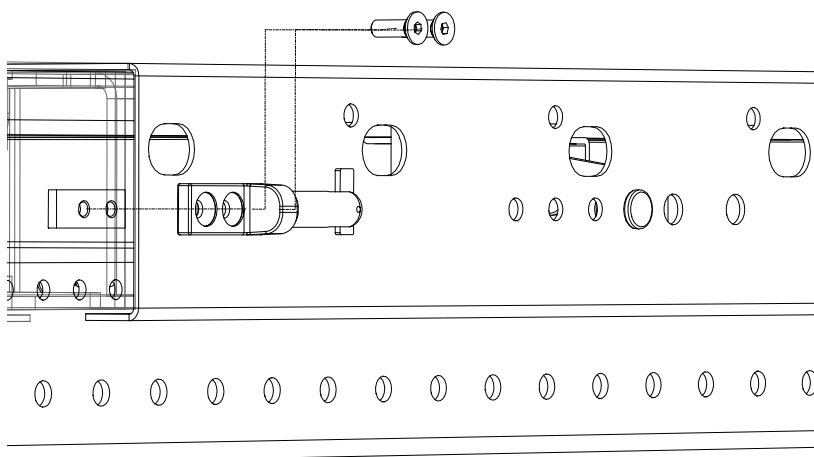
 Hinge pin with catch nose and without catch nose

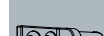
The hinge pins are part of the **mounting kit**
TSE no.: 1166951


Prepare a second drill hole, $\text{Ø}8.5\text{mm}$.

2


Fix hinge pins



 Hinge pin with catch nose and without catch nose

 Countersunk screw with internal hex M8x25

 Threaded plate for hinge pins

 **Tightening torque 36 Nm**

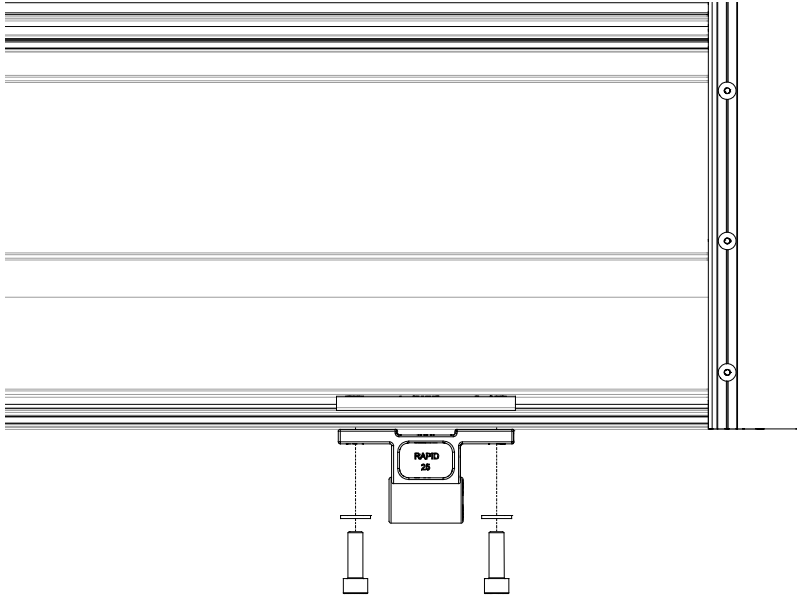
Hinge pin, countersunk screws and threaded plate are part of the **mounting kit**
TSE no.: 1166951



Mounting of hinged bearings of drop side and buffer

1

Mounting the hinged bearing



Hinged bearing



Cylinder screw with internal hex M8x25



Washer A8.4



Threaded plate for hinged bearing



Tightening torque 25 Nm

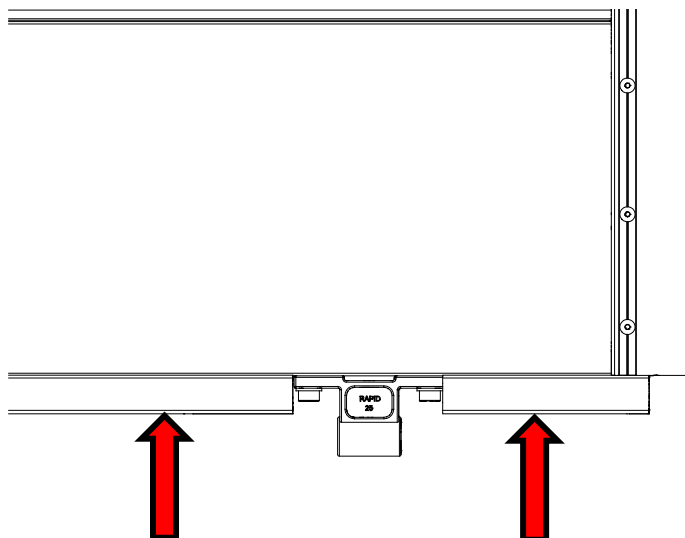


By turning the hinged bearing, the distance to the outer frame can be changed.

The hinged bearings, cylinder screws, washers and threaded plates **are part of the applicable drop sides.**

2

Mounting the buffer



Buffer



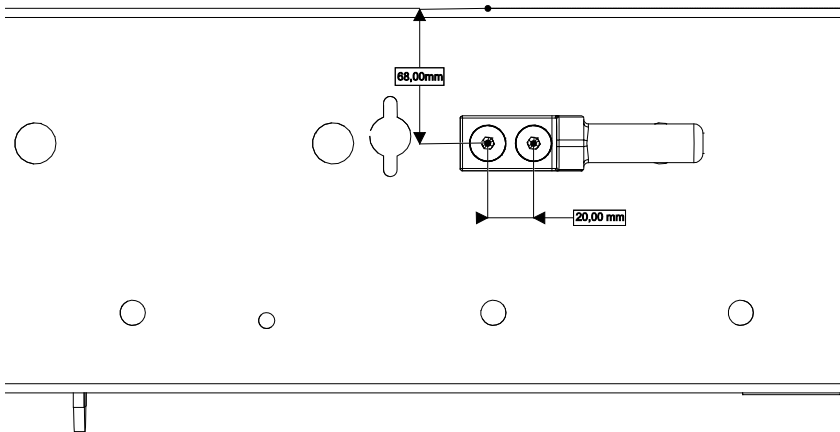
The length of the buffer has to be adjusted by the customer.


The buffer is part of the applicable drop side.

Mounting of hinge pins for rear drop side

1

Identify position of the hinge pins



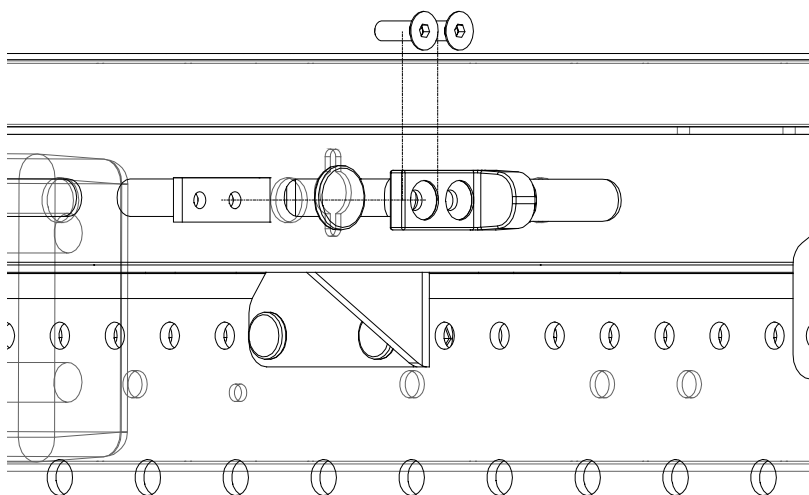
 Hinge pin with catch nose and without catch nose


The hinge pins are part of the **mounting kit**
TSE no.: 1166951


Prepare a second drill hole, $\varnothing 8.5\text{mm}$.


2


Mounting of hinge pin



 Hinge pin with catch nose and without catch nose

 Countersunk screw with internal hex M8x25

 Threaded plate for hinge pins

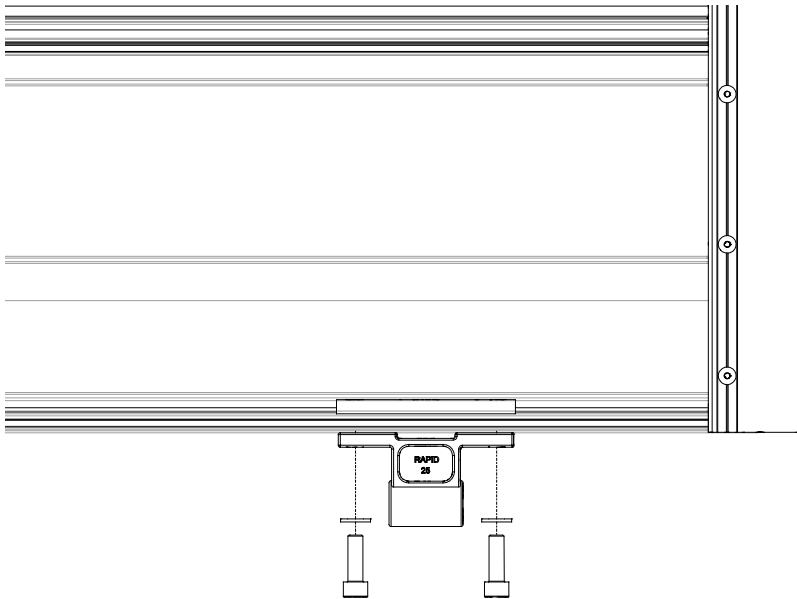
 **Tightening torque 36 Nm**

Hinge pin, countersunk screws and threaded plate are part of the **mounting kit**
TSE no.: 1166951

Mounting of drop side hinged bearings and buffer for rear drop side

1

Mounting the hinged bearing



Hinged bearing

Cylinder screw with
internal hex M8x25

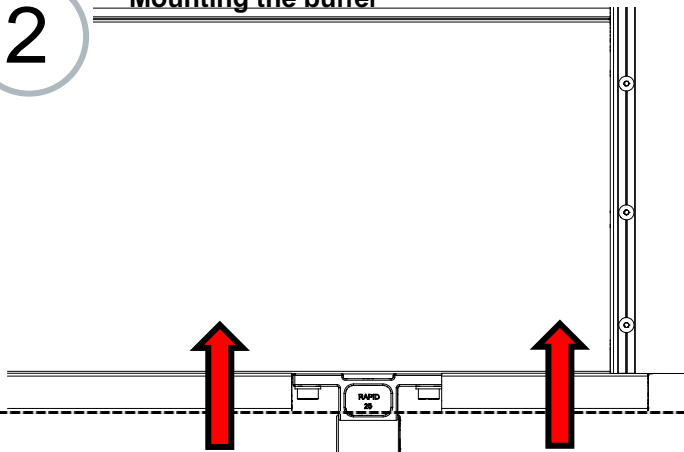
Washer A8.4

Threaded plate for hinged
bearing**Tightening torque 25 Nm**By turning the hinged bearing,
distance to the outer frame
can be changed.

The hinged bearings,
cylinder screws, washers and
threaded plates are **part of**
the applicable drop sides.

2

Mounting the buffer



Buffer

The length of the buffer has to
be adjusted by the customer.

The buffer is part of the
applicable drop side.

Revision status

Revision status	Kind of change	Date	Name
00	New creation of mounting instruction	15 August 2018	Dingler / Maier
01	Corrected tightening torques	29 September 2020	Boll
04	Page 4 changed	23.11.2020	Boll

Erstellt	Geprüft und Freigegeben
Datum:	Datum: 29.09.2020
Name/Abt.	Name/Abt. U.Boll
Unterschrift	
Dokument: FB45120A	