



# MARTIN<sup>®</sup> Tracker Conveyor Belt Centring System



Installation manual  
M3625UK



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## 2 Introduction

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### 2.1 About this Installation Manual

Non-compliance with this installation manual can lead to the loss of any liability claim and/or guarantee.

#### 2.1.1 Scope

This installation manual applies exclusively to the product described herein and is aimed at those individuals who install this product, put it into operation and monitor its use.

#### 2.1.2 Copyright

The product described and this installation manual are protected by copyright. Copying without a license will be legally prosecuted. All rights to this document are reserved, including the reproduction and/or distribution in any thinkable way or form. The reprinting of this document is only allowed with written permission from Martin Engineering.

The technical standard at the time of delivery of the product and technical documentation is decisive, as long as no other information is given. We reserve the right to make technical changes without any announcement. Earlier documents will no longer be valid. Martin Engineering General Conditions of Sale and Delivery apply.

#### 2.1.3 Disclaimer

Martin Engineering guarantees the faultless operation of the product according to the advertising, edited product information, and technical documentation. Martin Engineering does not accept any liability for the efficiency and proper operation, if this product is used for any other purpose, other than as described in the chapter "Appropriate Use"; or for any damage caused by the use of accessories and/or spare parts, that were not delivered and/or certified by Martin Engineering.

The products from Martin Engineering are designed for a long service life. They conform to the respective current state-of-the-art science and technology and they have been thoroughly tested prior to delivery. In addition to continuous advanced development of products, Martin Engineering also conducts constant product and market analyses.

In the event of faults and/or technical problems Martin Engineering offers professional support. Appropriate steps will be taken immediately. Martin Engineering's warranty conditions apply, which can be sent if required.

## 2.1.4

### Reference to additional documentation

The following standards and directives were applied when composing this installation manual:

- EU Machinery Directive (2006/42/EC)
- ISO/IEC Guide 37 "Installation instructions for end-consumer used products", edition 1995
- DIN 1421 "Structure and numbering in texts", edition 1983-01
- DIN/EN 12100 "Safety of machinery - Basic concepts, general principles of design", edition 2013-08
- DIN / ISO 16016 "Technical product documentation - Protection notices for restricting the use of documents and products", edition 2007-12
- DIN/EN 60204-1 "Safety of machinery - Electrical equipment of machines, Part 1, General requirements", edition 2007-06
- DIN EN 82079-1 Preparation of instructions for use - Structuring, content and presentation - Part 1: General principles and detailed requirements.

## 2.1.5

## Classification of hazards

**DANGER!**

This indicates an imminent danger that leads to serious physical injuries or death, if not avoided.

**WARNING!**

This indicates a potentially dangerous situation that could lead to serious physical injuries or death, if not avoided.

**CAUTION!**

This indicates a potentially dangerous situation that could lead to minor physical injuries and/or damage to property, if not avoided.

**NOTE**

Contains information to the installation or use of the product and points to situations, that cause neither injuries nor property damage, but is nevertheless important information.

**2.2****Appropriate Use**

The MARTIN® Tracker conveyor belt centring system is only meant to be installed in the carrying run and return run of conveyor belts in order to correct skewed running of the conveyor belt. In the process, it is differentiated between the upper and lower unit. The upper unit is placed on the support side of the conveyor belt and the lower unit on the return side.

The Martin® Tracker conveyor belt centring system can be used under the most diverse conditions of use. There are different models available for this purpose, which should be used only in the ranges specified for them. The different models and their applications are specified in detail in the Chapter 3.2 "Models".

Any other use of this product is deemed to be inappropriate. If you wish to use the product for any other purpose, please contact Martin Engineering Customer Service. We will be happy to assist you with product configuration.

**2.2.1****Use in EX-protection areas**

Under certain circumstances, this product can also be used in potentially explosive areas. Contact Martin Engineering for more information on use in potentially explosive areas.

The use of the product in a device protection category that is higher than that specified or under operating conditions other than those specified by Martin Engineering is not permissible or may be done only if Martin Engineering has granted its approval.



## **2.2.2 Operating limits of this product**

The use of the product mentioned here is allowed only within the specified specifications. Using it in a higher than specified equipment category or under operating conditions other than those named and previously specified by Martin Engineering is considered to be inappropriate use and can only be carried out if approved by Martin Engineering.

If the product mentioned here is to be used for a different purpose, then Martin Engineering or a representative can help with the product configuration.

## **2.3 Safety in the Workplace**

### **2.3.1 Safety instructions, safety in the workplace**

This installation manual must be read through in full prior to commencing work on the product or the customer's conveyor belt.

The operator must ensure that all installation, inspections, and maintenance tasks are carried out exclusively by authorised experts.

All work on conveyor belts and their accessories must always be carried out only when the system is at a standstill. It is essential that the procedures described in the relevant installation manual which explain how to shut down the conveyor system are followed.

Upon completion of work, all safety equipment and protective guards must be reinstalled and put back into operation.

Prior to commissioning, installation must be completed. Before the conveyor belt can be put back into operation, the flawless execution of all steps should be checked and verified. All notes on installation and commissioning of the product should be observed.

## 2.3.2

### **Obligations of the operator**

The operator of this product must ensure that the personnel entrusted with the installation, maintenance and use of this product are only those personnel who

- are fully aware of regulations governing safety at work and accident prevention,
- are instructed in the use of the product and have read and understood this installation manual in full.

## 2.3.3

### **Authorised personnel**

Personnel are considered to be authorised when they have completed the necessary training, hold the technical experience, knowledge of the relevant standards and directives and are also in a position to assess any task in order to recognise a critical situation in a timely fashion and at an early stage.

### **Operational, Maintenance and Installation Personnel**

Personnel are considered to be authorised if they have been instructed in the use of the product and have read and understood this installation manual in full.

## 3 Product Description

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### 3.1 Design and Function

The MARTIN® Tracker conveyor belt centring system, hereinafter referred to as tracker, detects skewing in the conveyor belt movement automatically and corrects it permanently. Slight contact of the conveyor belt against the guide roller enables accurate correction. The adjustment rod transfer the movements of the guide rollers to the control rollers and thus enables accurate guidance of the conveyor belt.

The upper unit is placed on the support side of the conveyor belt and the lower unit on the return side.

This installation manual describes the installation of the MARTIN® Tracker conveyor belt centring system for the models, Mini, Basic, Heavy-duty and Monster..



#### NOTE

A product that has not been installed properly or correctly may disrupt the conveyance process and contaminate the bulk material to be transported.

The operator is therefore responsible for implementing the necessary counter measures.

When using with contaminants Martin Engineering or a representative can help with the positioning or customized solutions.

## 3.2

### Models

The Martin® Tracker conveyor belt centring system is available in four models, which can be used as follows:

#### Mini

- Less load and low stress
- Conveyor belt width: 380 - 560 mm
- Conveyor belt speed max.: 1.5 m/sec.

#### Basic

- Normal industrial loads and stresses
- Conveyor belt width: 600 - 1340 mm
- Conveyor belt speed max.: 3.5 m/sec.

#### Heavy-duty

- Thick conveyor belts (> 10 mm) with high conveyor belt speeds, tonnage and wide conveyor belts.
- Conveyor belt width: 1010 - 1860 mm
- Conveyor belt speed max.: 4.0 m/sec.

#### Monster

- Worst-case loads and stresses, with very high conveyor belt speeds, tonnage and very wide conveyor belts.
- Conveyor belt width: 1410 - 2150 mm
- Conveyor belt speed max.: 5.0 m/sec.

## 4 Installation Preparation

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### 4.1 Prior to Installation

#### 4.1.1 Materials and tools required

In addition to the standard tools, the following special instruments may be needed for the installation and maintenance of the product.

- Lifting device with a capacity greater than the weight of the product to be installed (note the weight on the delivery note).

#### 4.1.2 Preparatory measures



#### NOTE

Pay attention to the following checks and carry them out carefully and completely.

The freight forwarder is responsible for any transport damage!  
For any damage claims, please contact the freight forwarder.

1. Check the delivery with respect to the following:
  - Is the delivery complete? Is the number of pallets/cases/containers the same as the number on the delivery note?
  - Does all the transport packaging appear to be undamaged? Is there damage which may indicate that the contained products may be damaged?

2. If the delivery is incomplete or there is any transit damage, make sure that this is documented and have the freight forwarder confirm the same. All damaged products should be saved for inspection.
3. Depending on the scope of the order, the delivery should contain the following parts:
  - MARTIN® Tracker Conveyor Belt Centring System (upper or lower guide unit)
  - Two conveyor belt warning labels, part no. 23395
  - Two warning labels for crushing hazard, part no. 30528
  - MARTIN® Tracker conveyor belt centring system, part no. M3625
4. Missing or damaged parts must be reported to Martin Engineering or the authorised dealer.

## 5 Installation

### 5.1 Safety Instructions



#### NOTE

Read this chapter thoroughly prior to commencing any work!



#### WARNING! DANGER OF INJURY!

Body parts and/or clothing may get caught and pulled in by rotating parts or by the moving conveyor belt.  
*Before any installation or maintenance work is carried out, ensure that all power sources to the conveyor belt system and its accessories are switched off and secured against inadvertent switching-on.*  
*Use warning signs!*



#### WARNING! EXPLOSION HAZARD!

In enclosed areas there is an increased risk of explosion when using a cutting torch or welding equipment!  
*Before use, check the level of gas and dust in the air.*



#### NOTE

The chute wall on which the spring tensioner shall be installed is referred to as 'operator side'. The other chute wall is called the 'opposite side'.  
When installing dual spring tensioners, the most accessible side is the "operator side".

## 5.2

### Installation procedure

#### 5.2.1

#### Determining the installation position

##### Lower tracker unit

1. Determine the point from where the conveyor belt runs without being centred.
2. Install the tracker unit at a distance of three to four times the conveyor belt width in front of the point determined (for subsequent steps of installation, see Chapter 5.2.2).

##### Upper tracker unit

1. Install the tracker unit behind the loading zone (for subsequent steps of installation, see Chapter 5.2.3).

or

1. Determine the point from where the conveyor belt runs without being centred.
2. Install the tracker unit at a distance of three to four times the conveyor belt width in front of the point determined (for subsequent steps of installation, see Chapter 5.2.3).



#### NOTE

If multiple units are being used, install these at a distance of 20-50 m from one another.  
The distance depends on the extent of skewing of the conveyor belt and must then be determined from case to case.



5.2.2

**Installing the MARTIN® Tracker conveyor belt centring system (lower unit)**

1. Remove the existing return roller (1, Fig. 1) and keep them aside. The roller is required for further installation.

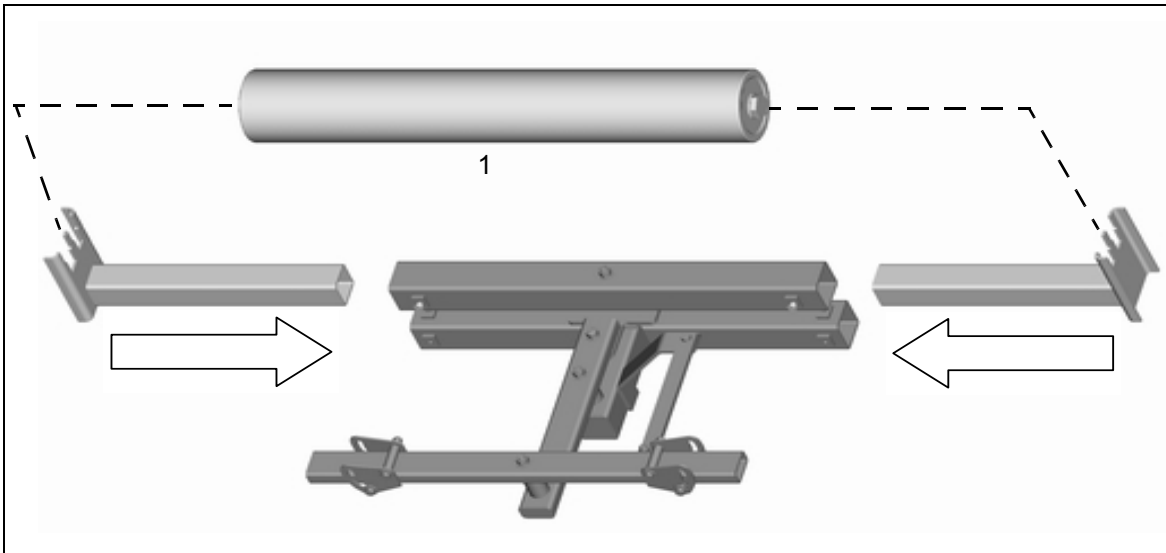


Fig. 1: Installing the return roller

2. Install the return roller that has been removed in the supporting construction of the lower tracker unit (Fig. 1).

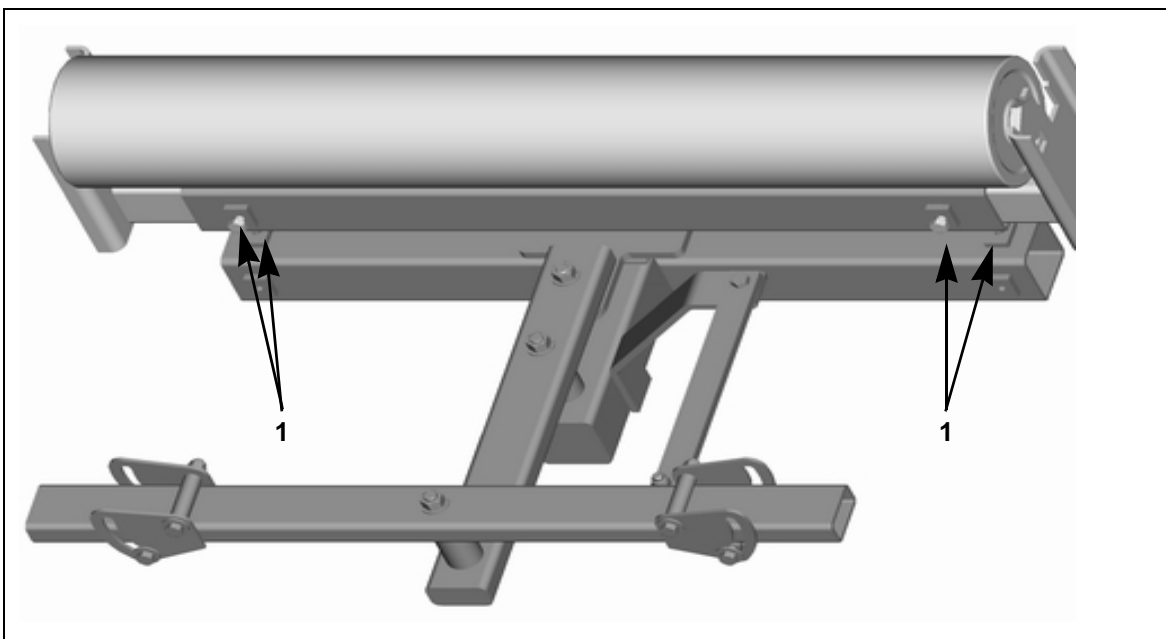


Fig. 2: Centring and securing the return roller

3. Centre the roller on the tracker and secure it with 4 screws (1, Fig. 2).

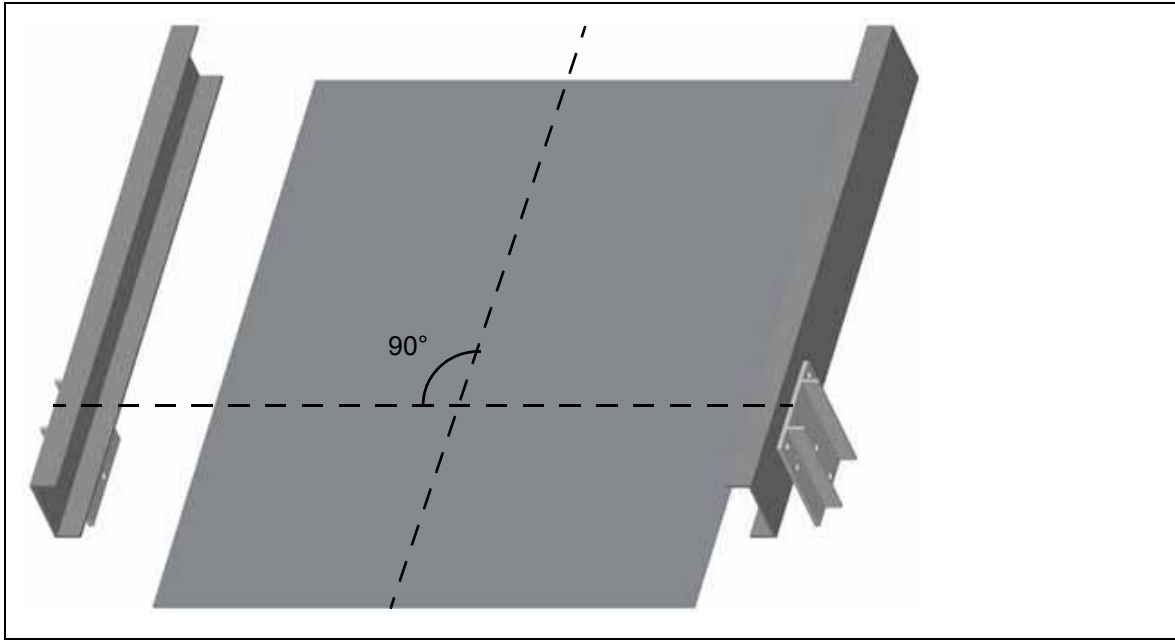


Fig. 3: Mark the holes in the installation frame

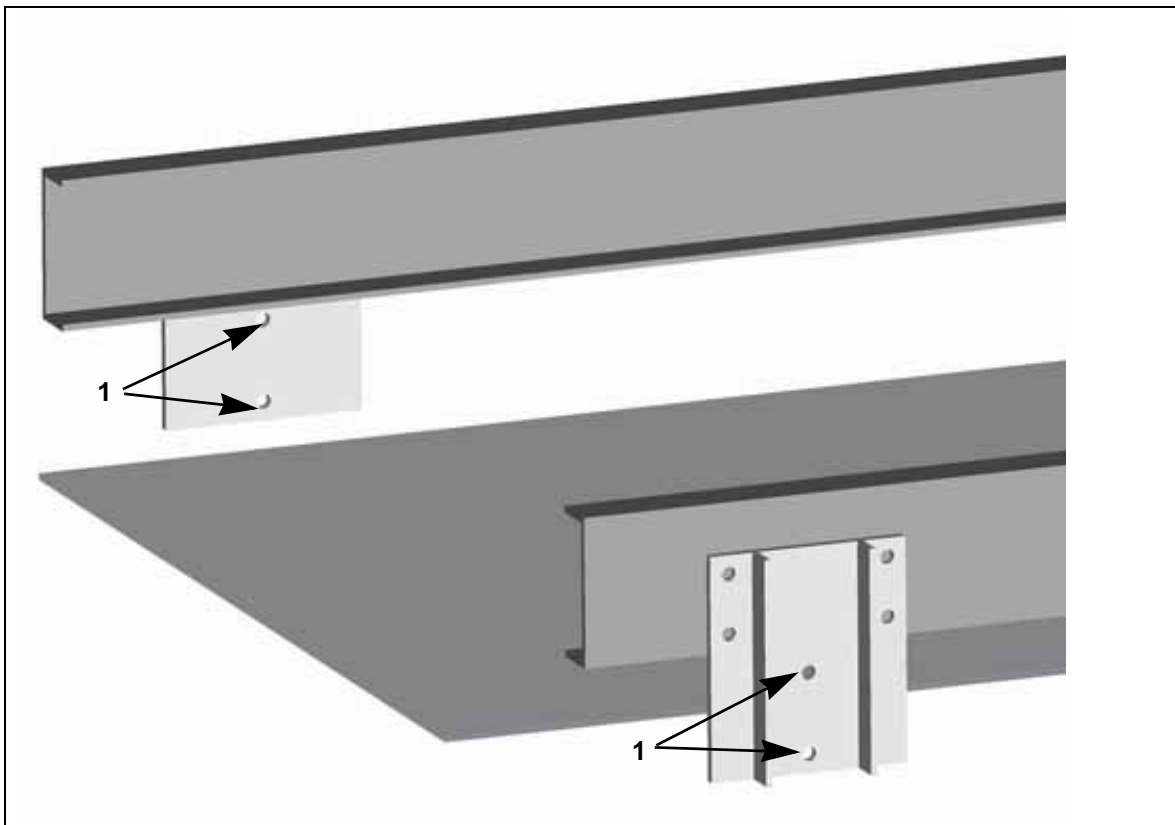


Fig. 4: Holes in the installation frame

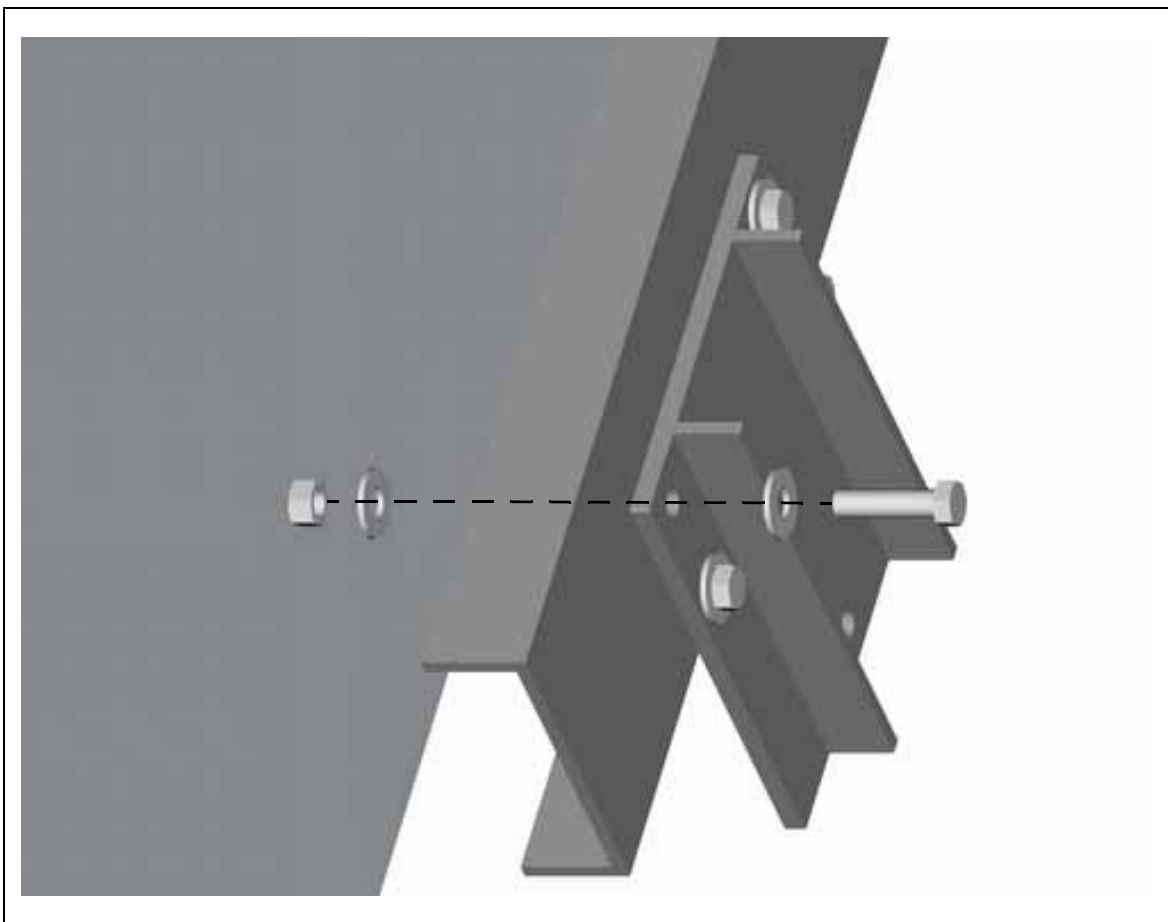


Fig. 5: Fix the installation frame with screws

4. Mark the holes for the installation frame on the opposite side (Fig. 3). Ensure that the lower holes (1, Fig. 4) are accessible for fixing screws from both sides.
5. Drill or cut holes (14 mm dia.) at the points marked earlier in the stringer.
6. Fix the installation frame with screws (Fig. 5).

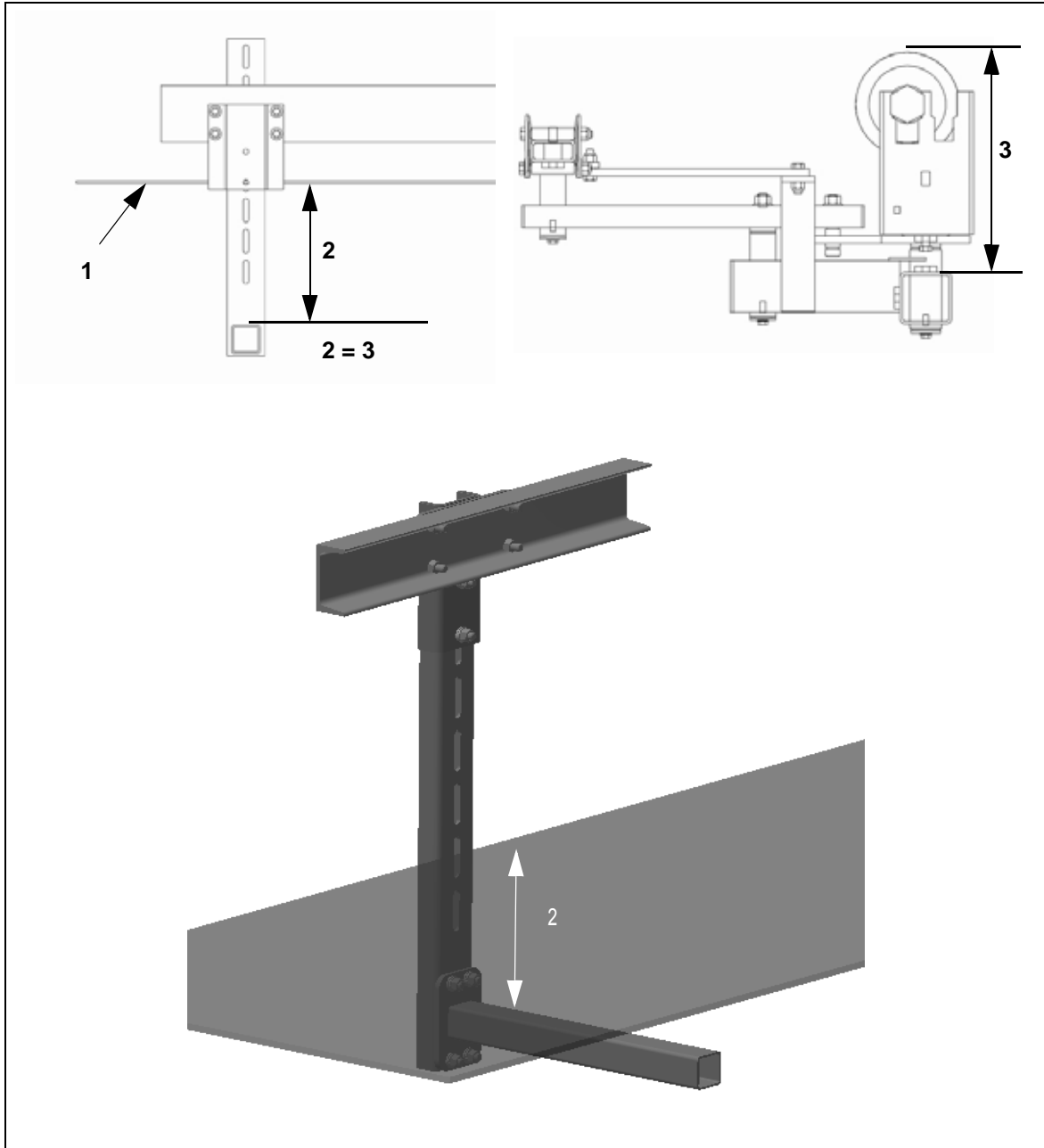


Fig. 6: Positioning the installation frame

7. Position the installation frame on the side turned away (Fig. 6).



**NOTE**

The distance (2, Fig. 6) between the upper edge of the suspension frame and the lower edge of the conveyor belt (1, Fig. 6) must match the distance (3, Fig. 6) between the upper edge of the support frame and the upper peak of the return roller.

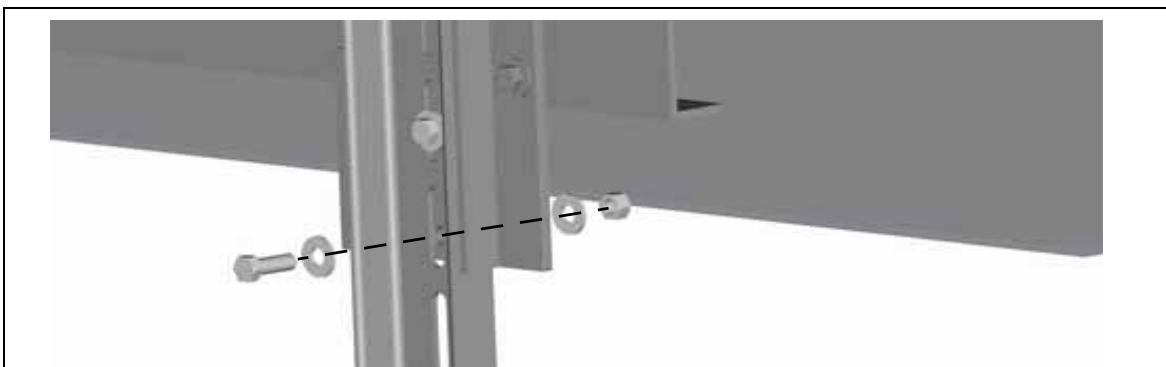


Fig. 7: Securing the installation frame

8. Fix the installation frame with screws (Fig. 7).

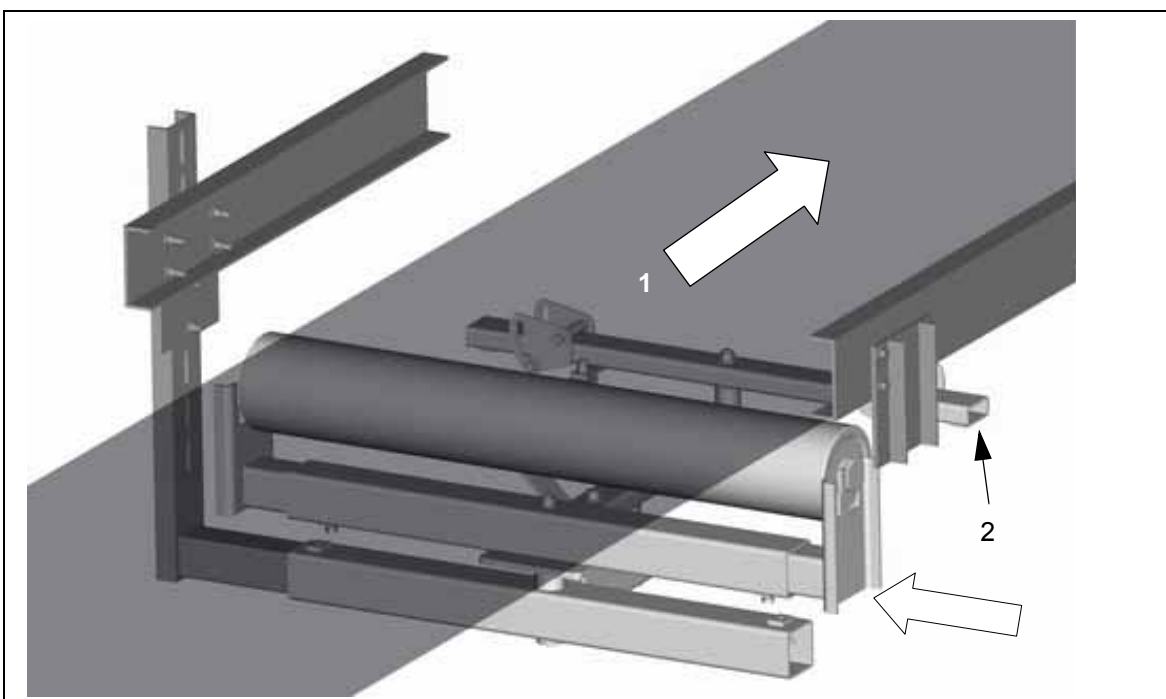


Fig. 8: Installing the tracker in the installation frame

9. Insert the pre-installed tracker in the installation frame installed earlier. Pay attention to the direction of movement of the conveyor belt (1, Fig. 8) and the alignment of the guide unit (2, Fig. 8).

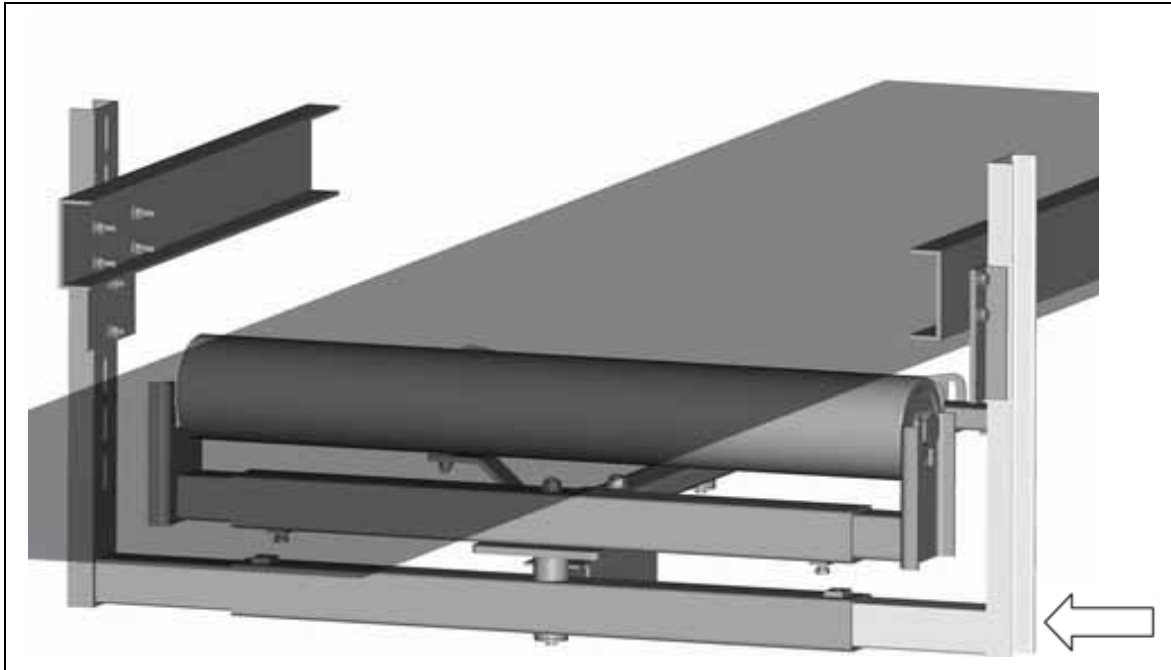


Fig. 9: Positioning the installation frame on the operator side

10. Position the installation frame on the operator side (Fig. 9).

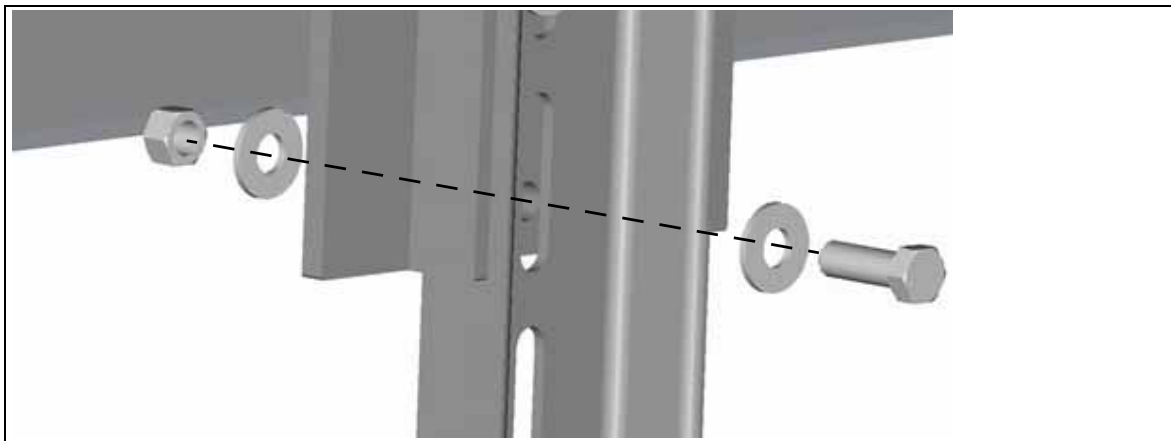


Fig. 10: Securing the installation frame

11. Fix the installation frame with screws (Fig. 10).



**NOTE**

Do not tighten the screw connection yet.

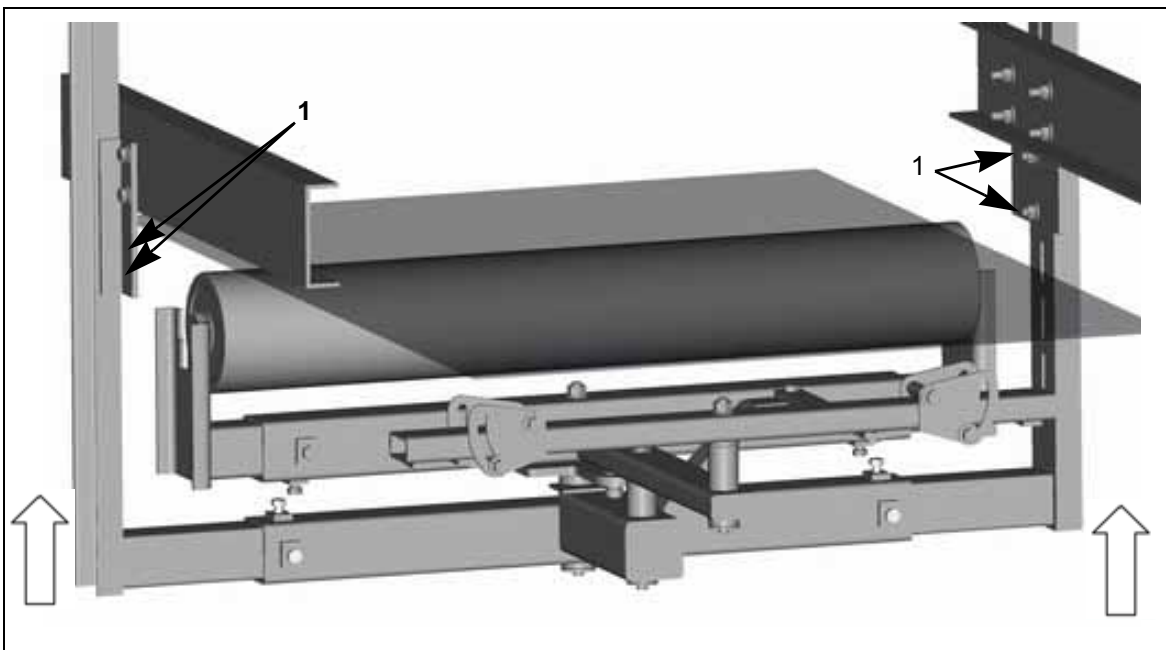


Fig. 11: Centring and securing the tracker

12. Centre the tracker on the frame and tighten the arresting screws (1, Fig. 11).
13. Lift the entire unit such that the conveyor belt is raised by about 10 mm. Tighten all screws.

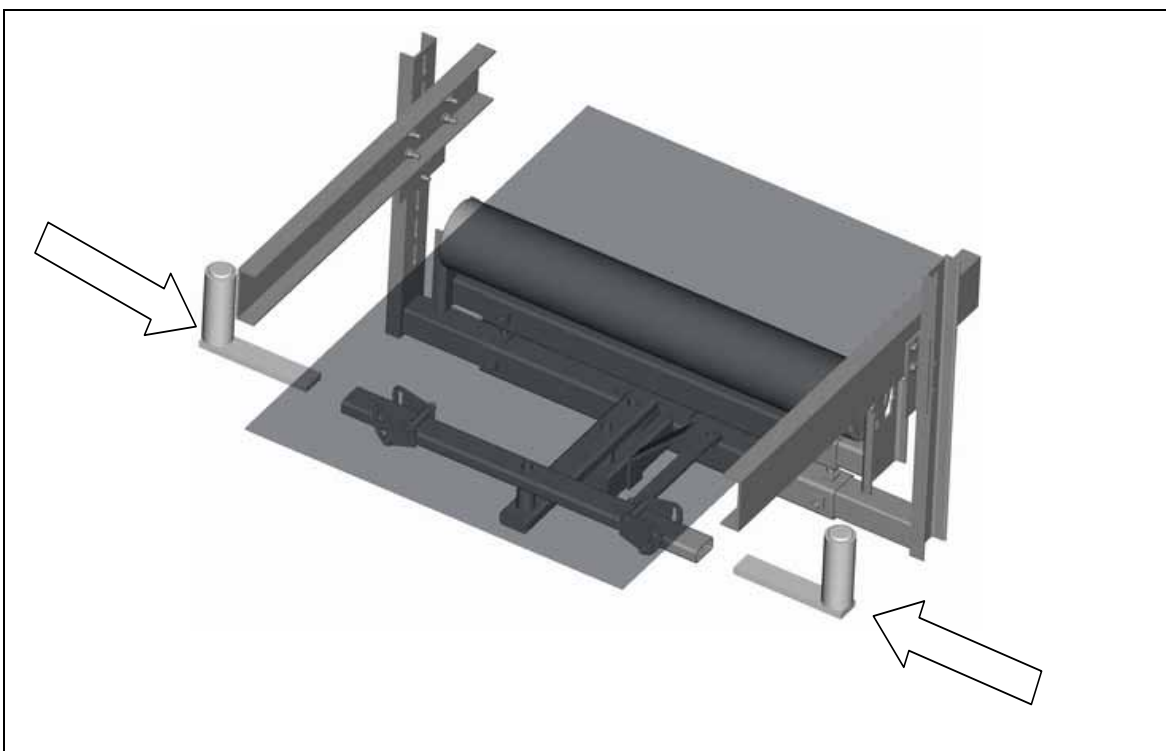


Fig. 12: Push in the sensor roller unit



## DANGER! LOADS FALLING DOWN!

The tracker may fall down and lead to severe injuries or to death.

*For systems installed overhead, the system must be secured with safety cables (not included in the scope of supply) at suitable supports!*



## NOTE

Ensure that the guide unit and the entire construction can be moved freely. Proper working cannot be ensured otherwise.

14. Push the sensor roller unit into the guide unit from both sides (Fig. 12).

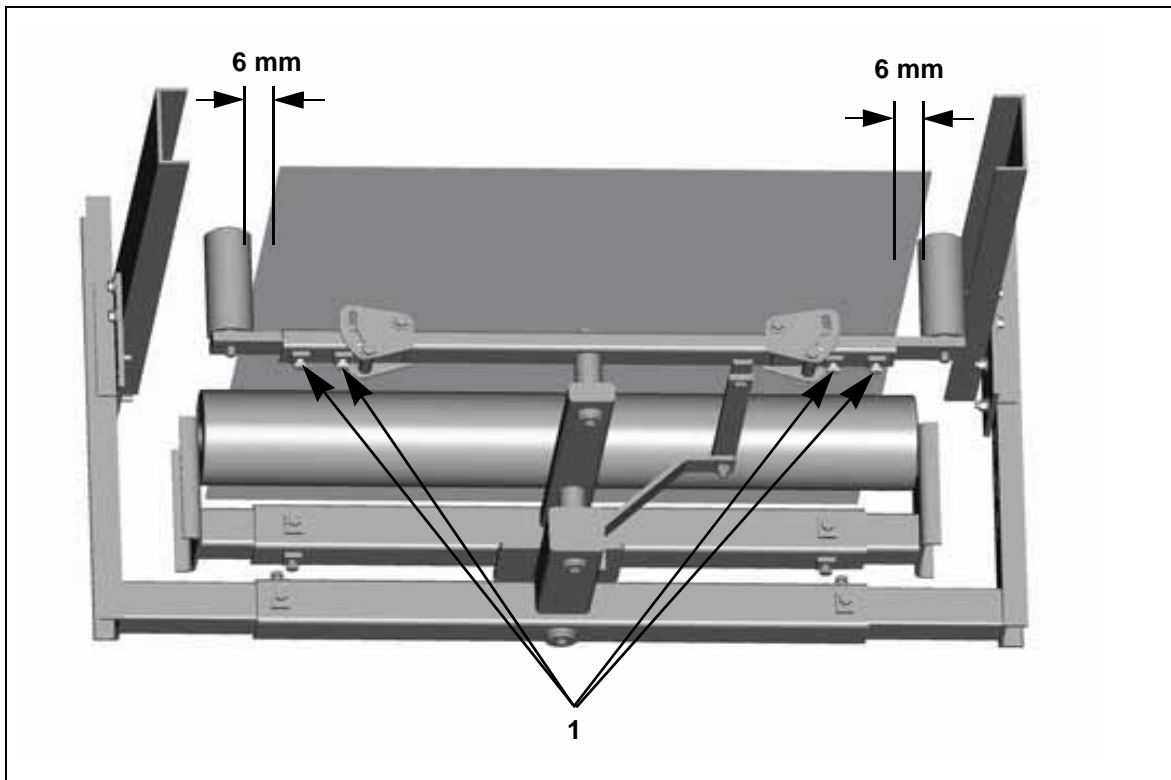


Fig. 13: Installing and securing the sensor roller unit

15. Install the sensor roller unit about 6 mm away from the edge of the conveyor belt. Secure the sensor roller unit with the arresting screws (1, Fig. 13).



5.2.3

**Installing the MARTIN® Tracker conveyor belt centring system (upper unit)**



**NOTE**

If possible, remove the conveyor belt to create space for the installation.



**NOTE**

In the following step, keep the dismantled trough roller station available since it would still be needed in the course of the installation.

1. Remove the existing trough roller station (1, Fig. 14) available in the conveyor system.

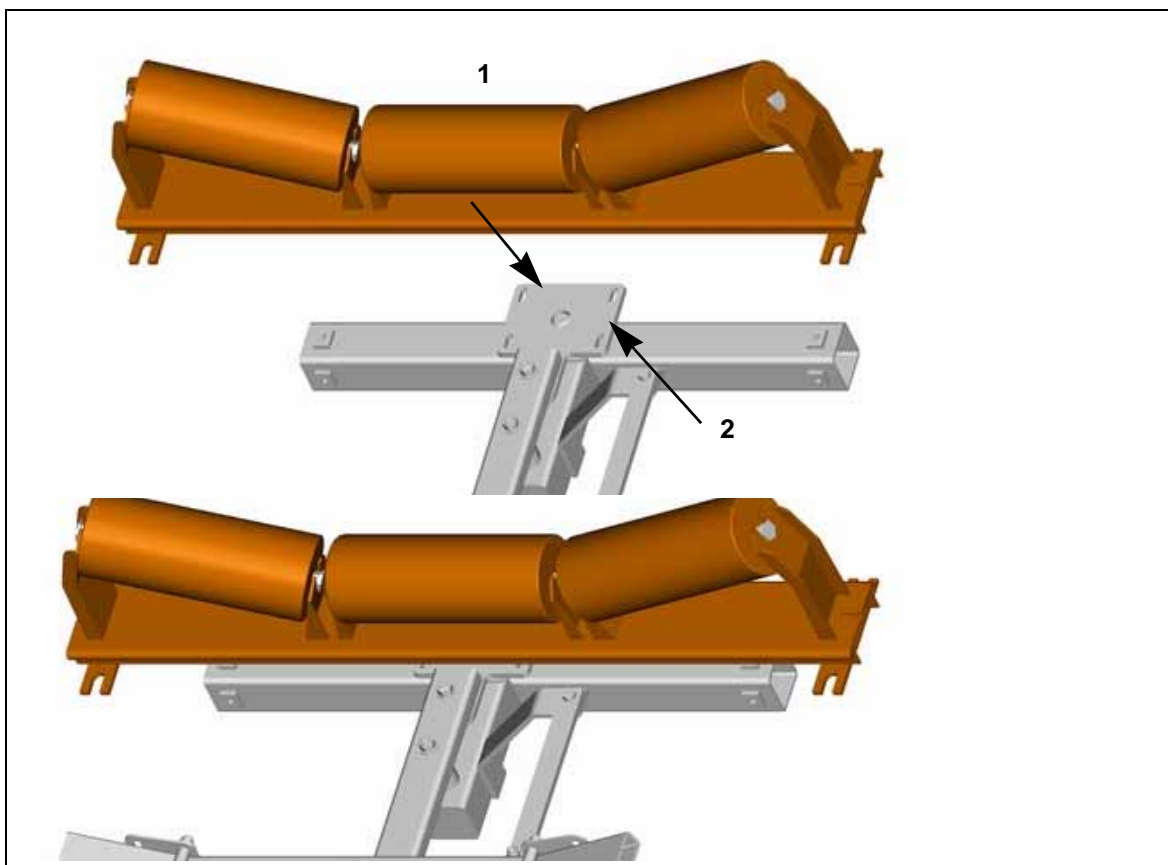


Fig. 14: Assembling the trough roller station / roller station holder

2. Fix the trough roller station to the roller station holder (2, Fig. 14) of the tracker with screws or by welding it.

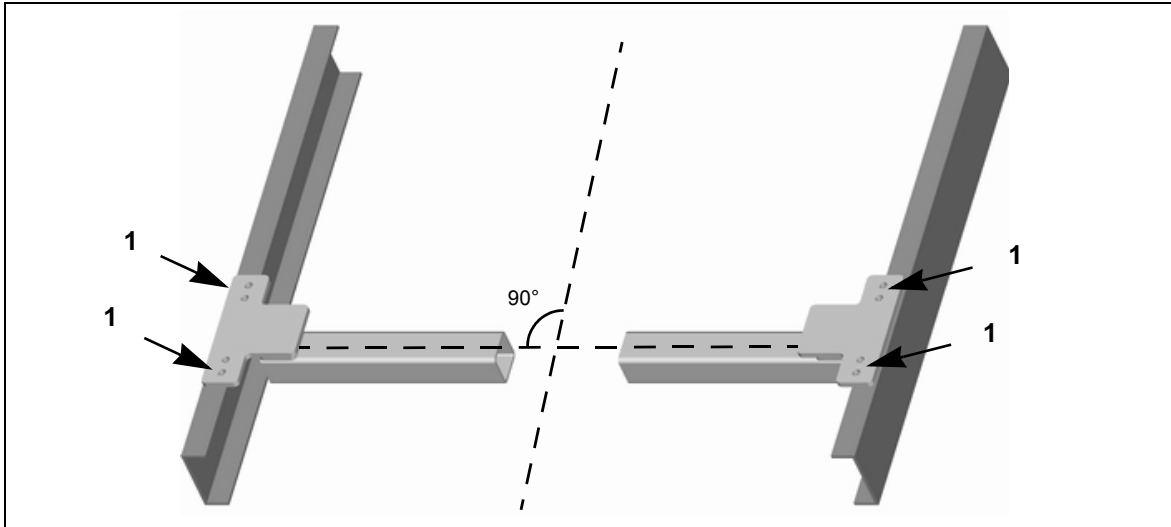


Fig. 15: Positioning the installation frame

3. Position the installation frame on the opposite side on the support construction and mark the holes (1, Fig. 15).
4. Drill or cut the holes (14 mm dia.) in the existing support construction.

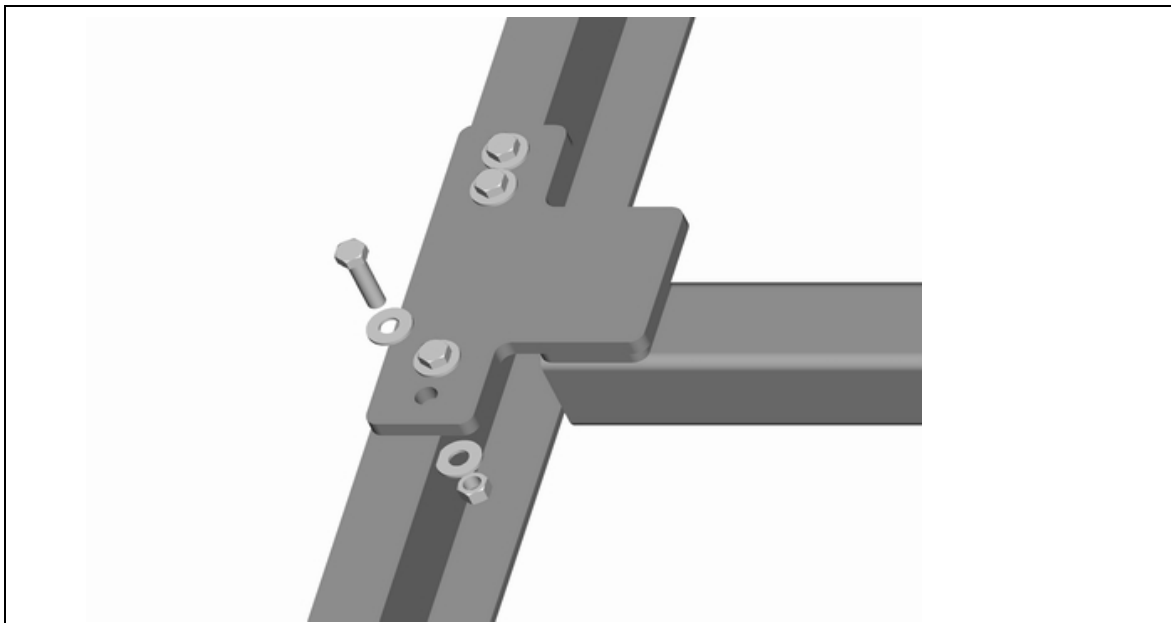


Fig. 16: Mounting the installation frame

5. Fix the installation frame on the side turned away.



## NOTE

Do not tighten the screw connection yet.

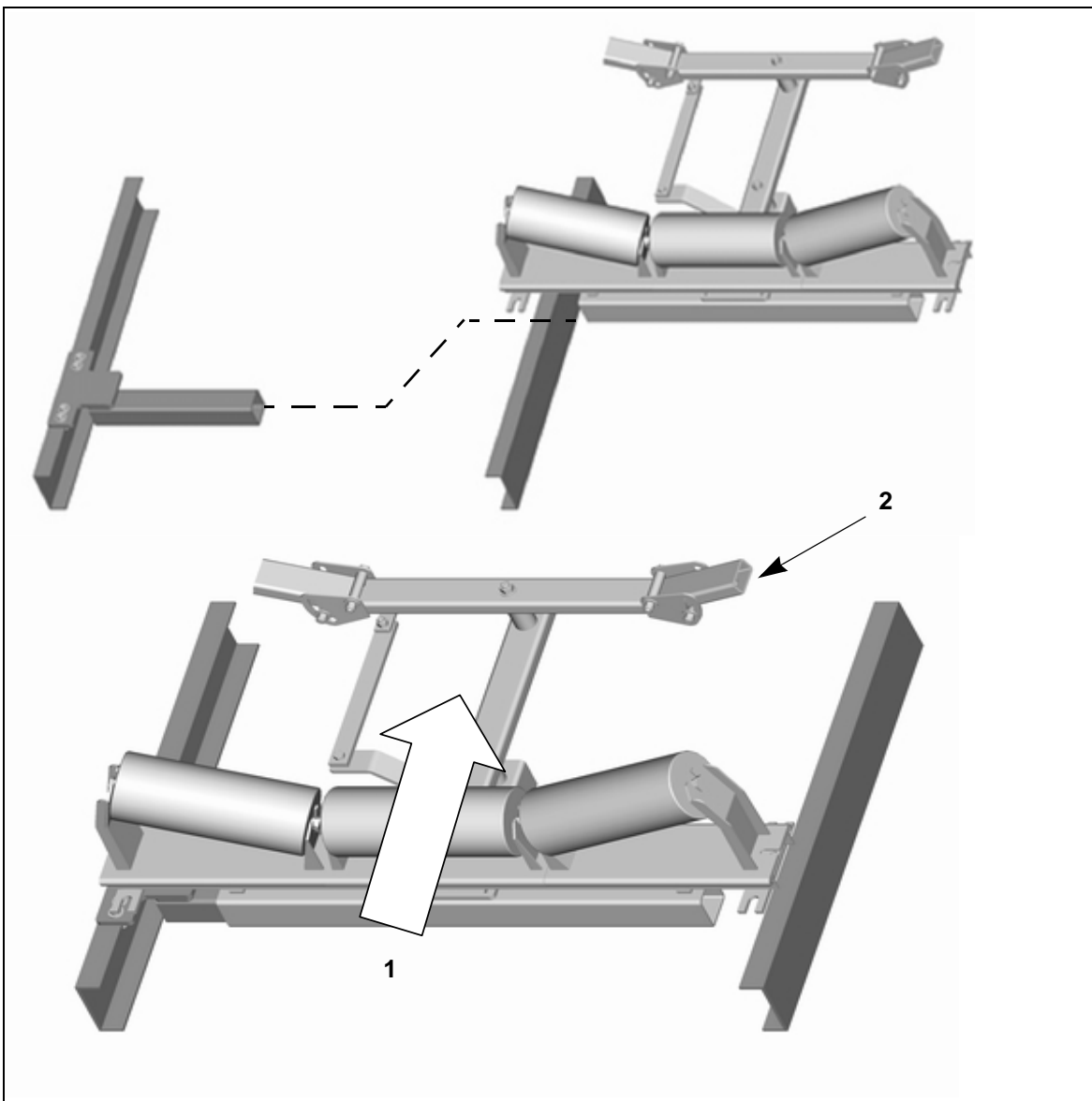


Fig. 17: Installing the tracker

6. Insert the pre-installed tracker in the installation frame installed earlier. Pay attention to the direction of movement of the conveyor belt (1, Fig. 17) and the alignment of the guide unit (2, Fig. 17).



**NOTE**

If necessary, use the play in the installation frame to come up to the support construction.

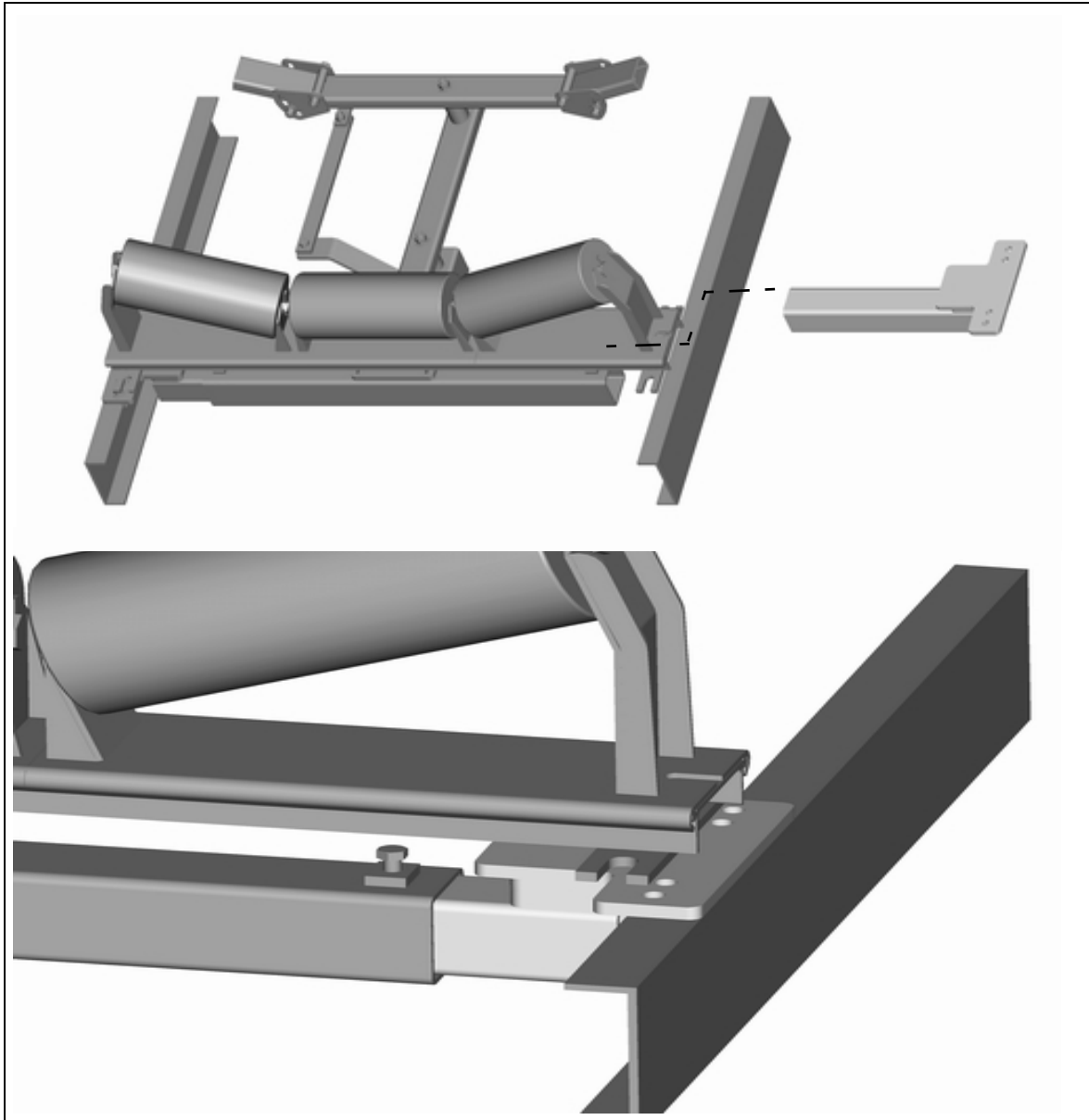


Fig. 18: Mounting the installation on the operator side.

7. Mount the installation frame on the operator side.

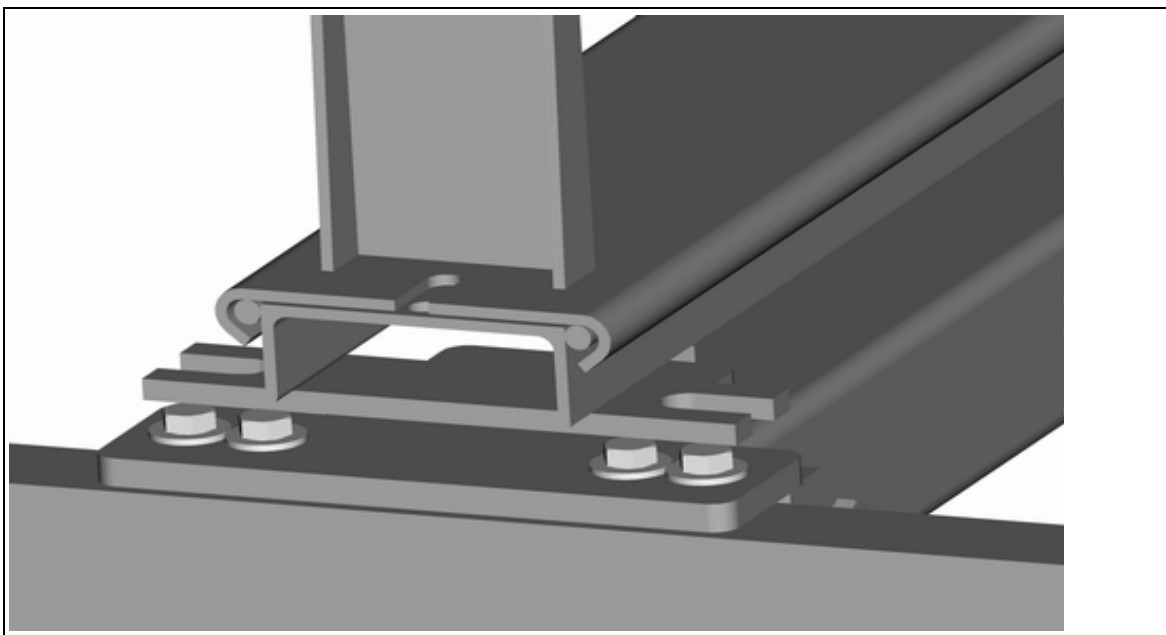


Fig. 19: Fix the installation frame

8. Fix the installation frame with screws (Fig. 19) and tighten all screws in the installation frame.

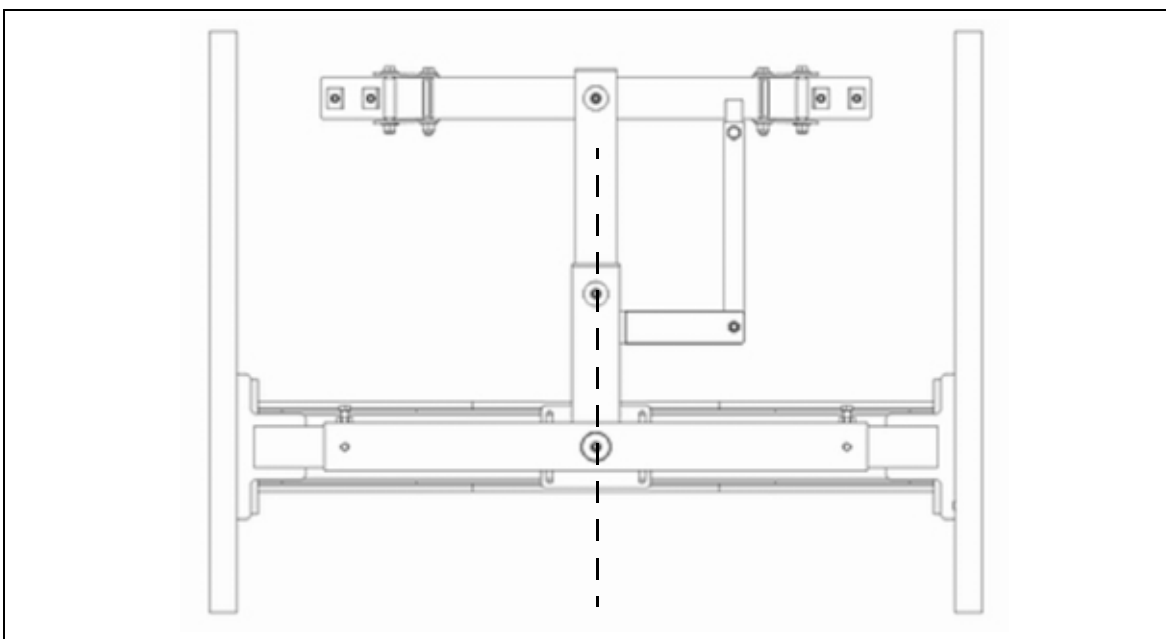


Fig. 20: Centring the tracker

9. Centre the tracker.

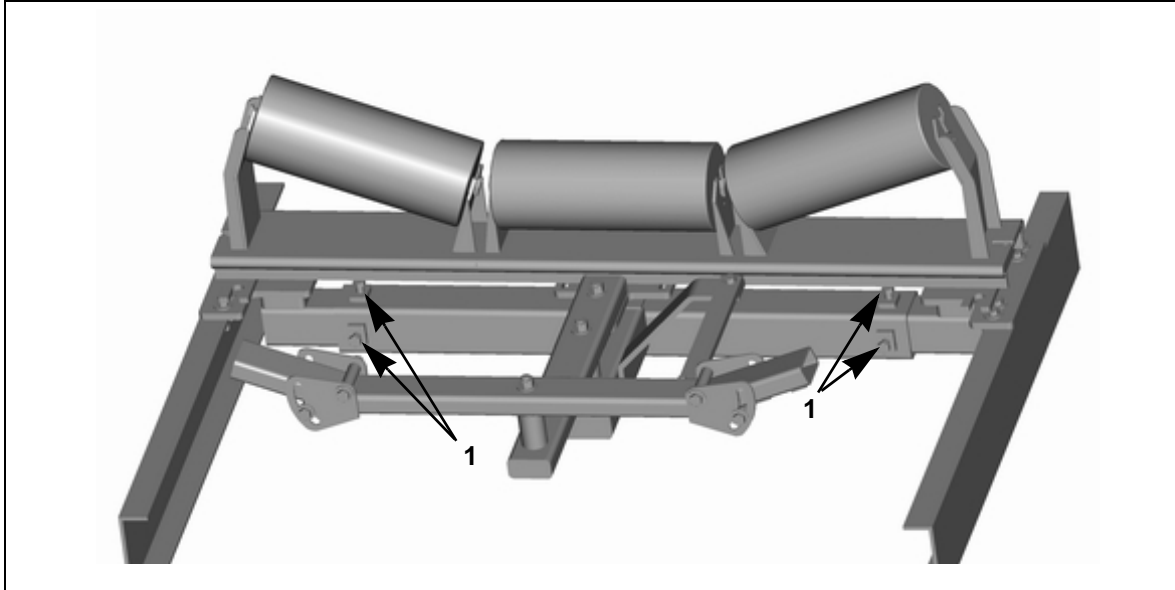


Fig. 21: Tighten the arresting screws

10. Tighten the arresting screws (1, Fig. 21).

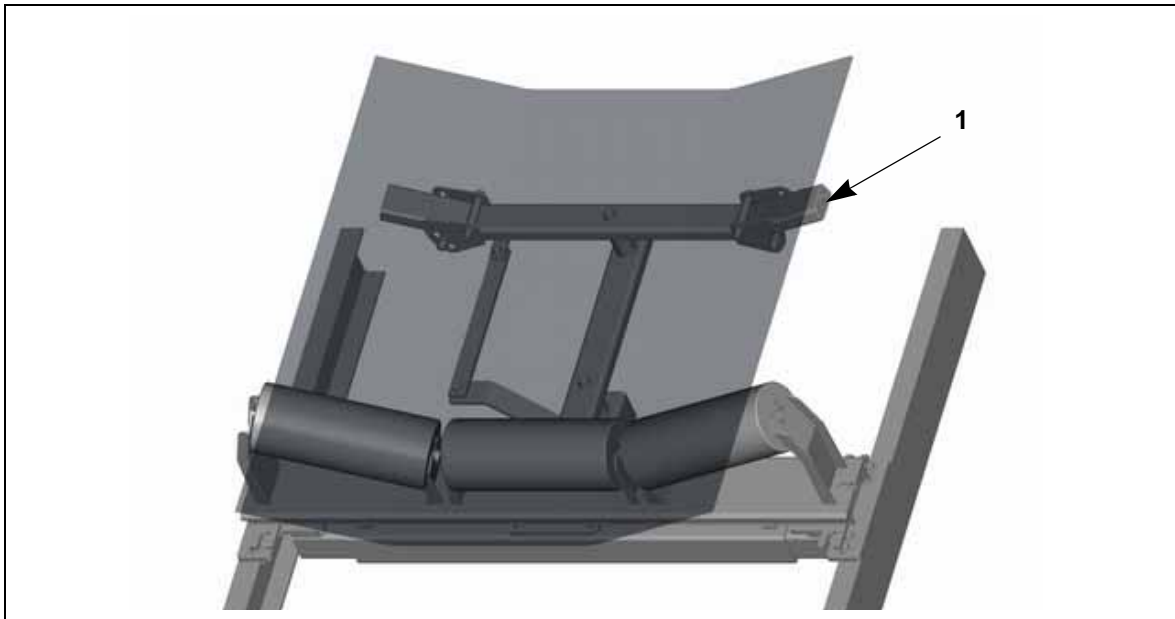


Fig. 22: Checking the mobility



**NOTE**

Ensure that the guide unit (1, Fig. 22) and the entire unit can be moved freely. The freedom of movement should not be restricted, otherwise the tracker does not work properly.

11. Place the conveyor belt again on the trough roller station.

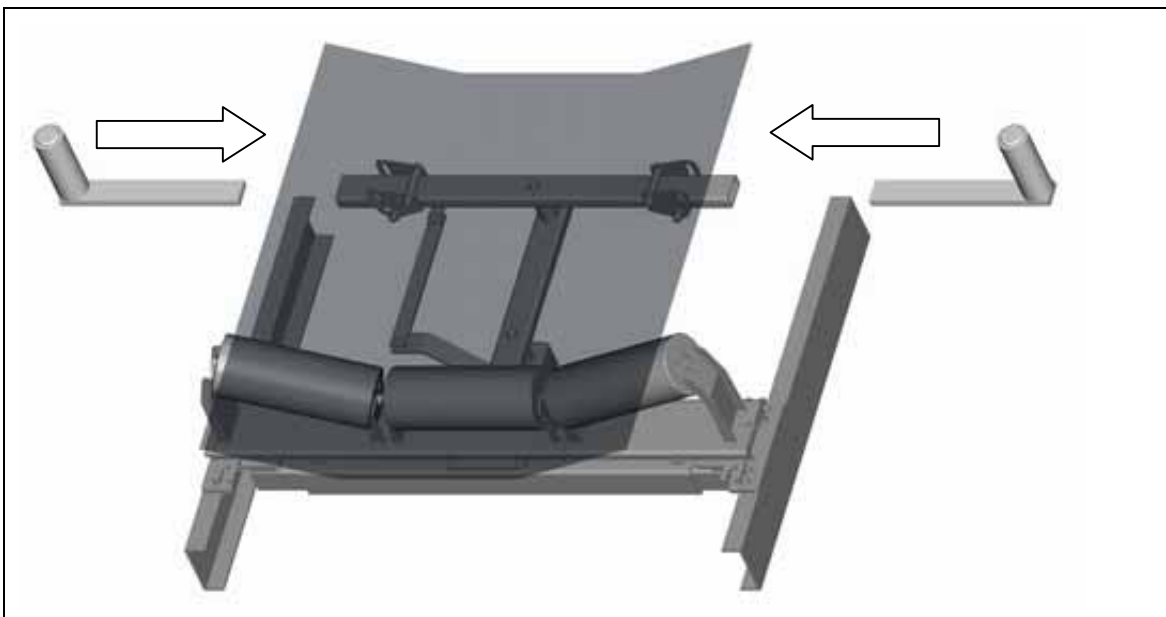


Fig. 23: Installing the sensor roller unit

12. Insert the sensor roller unit in the guide unit (Fig. 23).

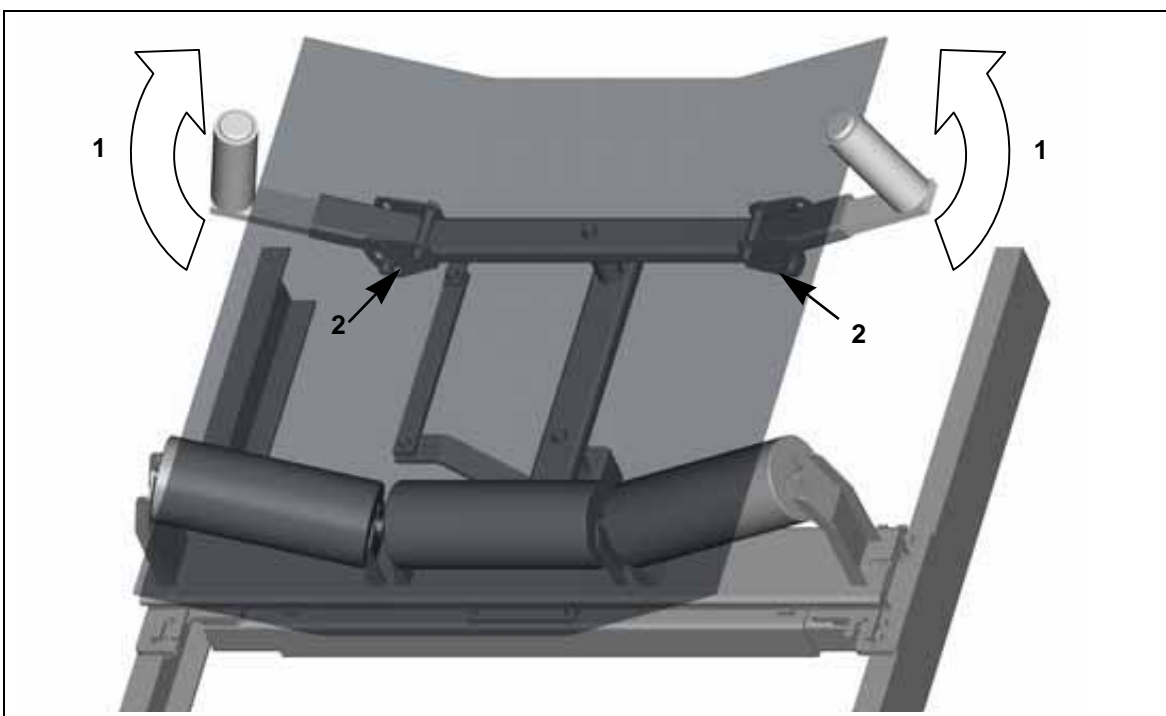


Fig. 24: Positioning the sensor roller unit

13. Adjust the sensor roller unit (1, Fig. 24) in such a manner that it is perpendicular to the conveyor belt and fix it with the arresting screws (2, Fig. 24).

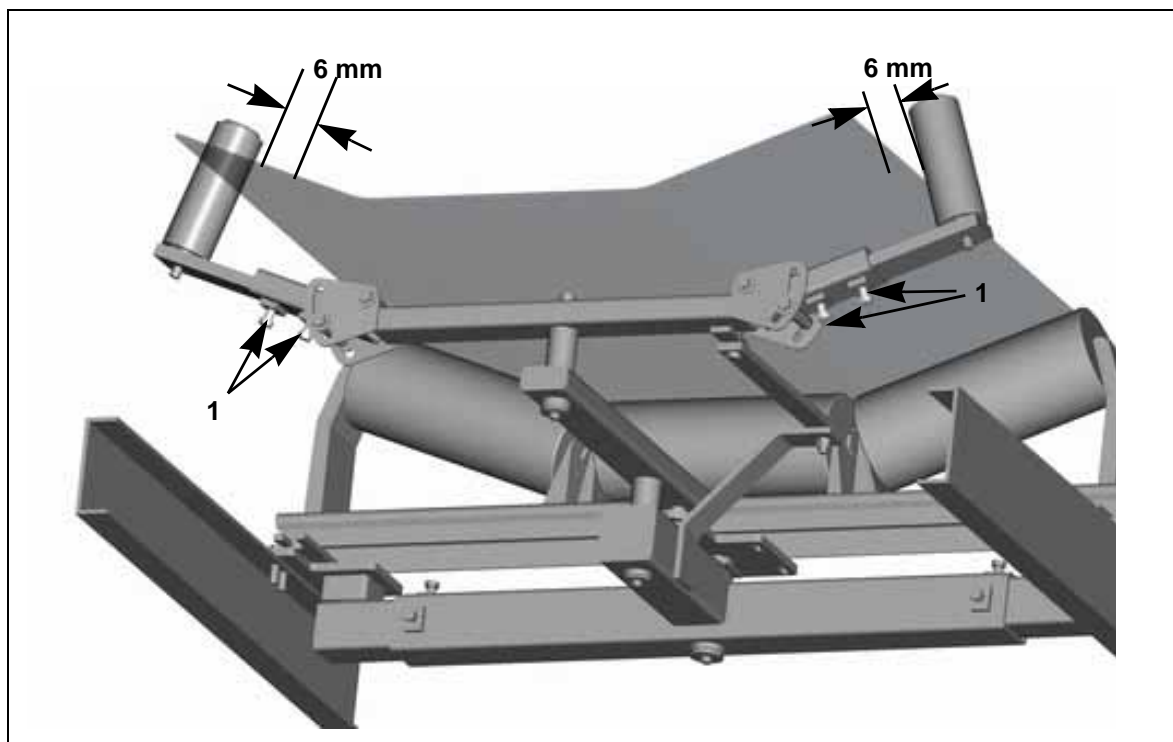


Fig. 25: Adjusting the sensor roller unit

14. Install the sensor roller unit approx. 6 mm from the conveyor belt edge and secure it with the arresting screws (1, Fig. 25).



## 5.3

## Trial operation

**NOTE**

Read through this chapter thoroughly before starting any work on the belt centring system or the customer's conveyor system.

**CAUTION! FLYING PARTS!**

Tools or installation parts which are left behind can fall from a moving conveyor belt and may cause minor injuries and damage to property.

*After installation, first remove the tools from the place of installation and from the conveyor belt before switching on the power supply.*

**WARNING! DANGER OF INJURY!**

Body parts and/or clothing may get caught and pulled in by rotating parts or by the moving conveyor belt.

*Before any installation or maintenance work is carried out, ensure that all power sources to the conveyor belt system and its accessories are switched off and secured against inadvertent reactivation.*

*Use warning signs!*

1. Put the conveyor system into operation and let it run for at least 10 minutes. After operation, switch it off and disconnect the power supply.
2. Check all screw connections. If required, re-tighten them.
3. If necessary, adjust the tracker at the main front surface (1, Fig. 26) to the correct conveyor belt guide.
4. Loosen the set screws (2, Fig. 26), which secure the telescopic pipe (3, Fig. 26).
5. Move the main front surface (1, Fig. 26) as much as possible in the direction in which the conveyor belt is meant to be moved.
6. Tighten the set screws again (2, Fig. 26).
7. If the wear and tear or bulk material accumulation is excessive or other problems occur, refer to the information in chapter 5.4 "Installation check-list" or chapter 7 "Troubleshooting".

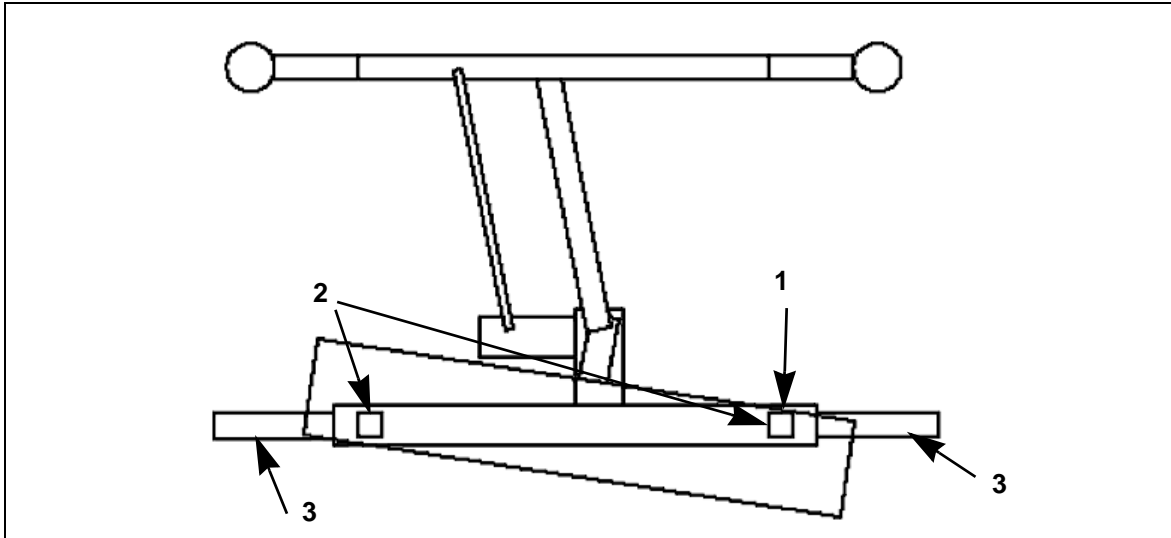


Fig. 26: Adjusting the tracker

**5.4 Installation - Check-list**

If after operation with loading the tracker does not work as expected, then the "Installation Check-List" table in the following could help to find and solve the problem. If problems persist, see chapter 7 "Troubleshooting":

Installation - Check-list
The tracker should be installed on both sides according to the instructions in Chapter 5.2 et seq.
The tracker is aligned in accordance with the instructions given in 5.2 et seq.
The tracker and its guide unit can be moved freely.

Tab. 1: Installation - Check-list

5.5

Attaching the warning label or the warning tag



Fig. 27: Conveyor Products Warning Label

## 6 Maintenance

### 6.1 Safety instructions



#### NOTE

Maintenance inspections must be carried out at least at the intervals specified in the maintenance table. Depending on operational conditions, shorter maintenance intervals may be necessary.



#### NOTE

Read this chapter thoroughly prior to commencing any work.



#### WARNING! DANGER OF INJURY!

Body parts and/or clothing may get caught and pulled in by rotating parts or by the moving conveyor belt.

*Before maintenance work is carried out, ensure that all power sources to the conveyor belt system and its accessories are switched off and secured against inadvertent switching-on.*

*Use warning signs!*

### 6.2 Maintenance procedure

1. Check that all securing parts are tightened. Tighten any loose connections as required.
2. Carry out maintenance measures according to the maintenance table



#### CAUTION! FLYING PARTS!

Tools that have been left behind inadvertently may fall from a moving conveyor belt and may cause minor injuries and damage to property.

*After completing maintenance work, first remove tools from the working area and from the conveyor belt. Only then switch on the system.*

3. Switch on the conveyor system and perform a test run (see Chapter 5.3).

6.3

Regular maintenance



**NOTE**

If any noises occur or there is any other unusual response of the guiding station, this must be put out of operation immediately. It should be put into operation until this problem has been resolved completely, since otherwise personal injuries or serious damage to property may occur.

Interval	Maintenance part	Measure
daily	Guide and deflection rollers	Visual inspection of the rollers/ replacement
weekly	Conveyor belt centring system	Cleaning
after 30,000 hours of operation (Power on hours)	Bearings and rollers	Replace
weekly	Warning sticker	Visual inspection of all warning stickers / Clean all warning stickers. Replace any warning labels which are illegible. Warning labels may be purchased from Martin Engineering or an authorised dealer
Refer to the manufacturer's documentation	Support roller	Replace

Tab. 2: Maintenance table

# 7 Troubleshooting

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## 7.1 Safety Instructions



### NOTE

The product is exposed to highly different types of bulk materials and is often deployed in extreme working and environmental conditions. Therefore faults other than those listed here may occur. In this case, Martin Engineering or one of its representatives can help with the positioning or with customized solutions. Only use the conveyor system after the fault has been found and repaired.

7.2

**Troubleshooting**

If, after the installation there is an abnormally high wear and tear on the sensor and/or the guiding power is unsatisfactory, check the following points::

Symptom	Cause	Corrective action
High wear and tear on the sensor rollers.	The sensor rollers are placed too close to the conveyor belt or both rollers are constantly touching the conveyor belt.	Check the positioning of the sensor rollers. These must be installed about 6 mm away from the edge of the conveyor belt.
Inadequate or, in fact, no guiding power of the tracker.	Check the positioning of the tracker in the conveyor system (see page 14 or page 27). It is possibly installed too close to a head pulley.	The recommended installation dimensions must necessarily be complied with, see page 14 or page 27
Greater wear and tear of the trough rollers or return rollers in the tracker	The tracker is installed too high in the conveyor system.	Check the installation dimensions given on page 21 for the lower unit. Reposition or align it, if necessary. For the upper unit, using conveyor belt rollers with less diameter or reinstalling them at another position may help.
The tracker moves unusually or does not move at all	Check the bearings and the installation position of the tracker.	Correct the installation position according to this installation manual, if necessary. Defective bearings need to be replaced.

Tab. 3: Troubleshooting

## 8 Storage, deinstallation, disposal

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### 8.1 Packing and transportation

The products described here are packed and shipped by Martin Engineering.

The products may be transported solely in the Martin Engineering packaging.

The logistics company in charge of the shipment shall be responsible for any damage and/or loss.

### 8.2 Storage

To ensure optimal function of the product, Martin Engineering recommends storing its components in a dry place at room temperature where they are protected against direct sunlight.

The best storage conditions are at +0 °C to +30 °C and 60% relative humidity.

Martin Engineering guarantees that the stored products will remain fully functional for at least 2 years under the storage conditions specified here.

### 8.3 Deinstallation

The deinstallation is carried out in the reverse order of the installation (see Section 5.2.2)

### 8.4 Disposal

Assemblies and/or single parts of the Martin Engineering products must be professionally disposed of after usage as follows.

- Complete assemblies must be dismantled, sorted by material type, and separately disposed of.

Comply with all nationally and internationally applicable disposal regulations when disposing of the product.



## 9 Part numbers

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This section lists the product designations with their associated part numbers for the MARTIN® TRACKER Belt Tracking System and its accessories.

Please always indicate the part numbers in every order.

### 9.1

#### Explanation of part numbers

##### MARTIN® Tracker Belt Tracking System

41142-aabbcdde

a		Belt width in dm (min)
b		Belt width in dm (max)
c		<b>Design</b>
	P:	painted (RAL 2004)
	Z:	electrogalvanised
d		<b>Unit type</b>
	L:	Lower unit
	U:	Upper unit
e		<b>Model</b>
	MI	Mini
	BA:	Basic
	HD:	Heavy-Duty
	MO:	Monster

9.2

MARTIN® Tracker Belt Tracking System  
(upper unit)

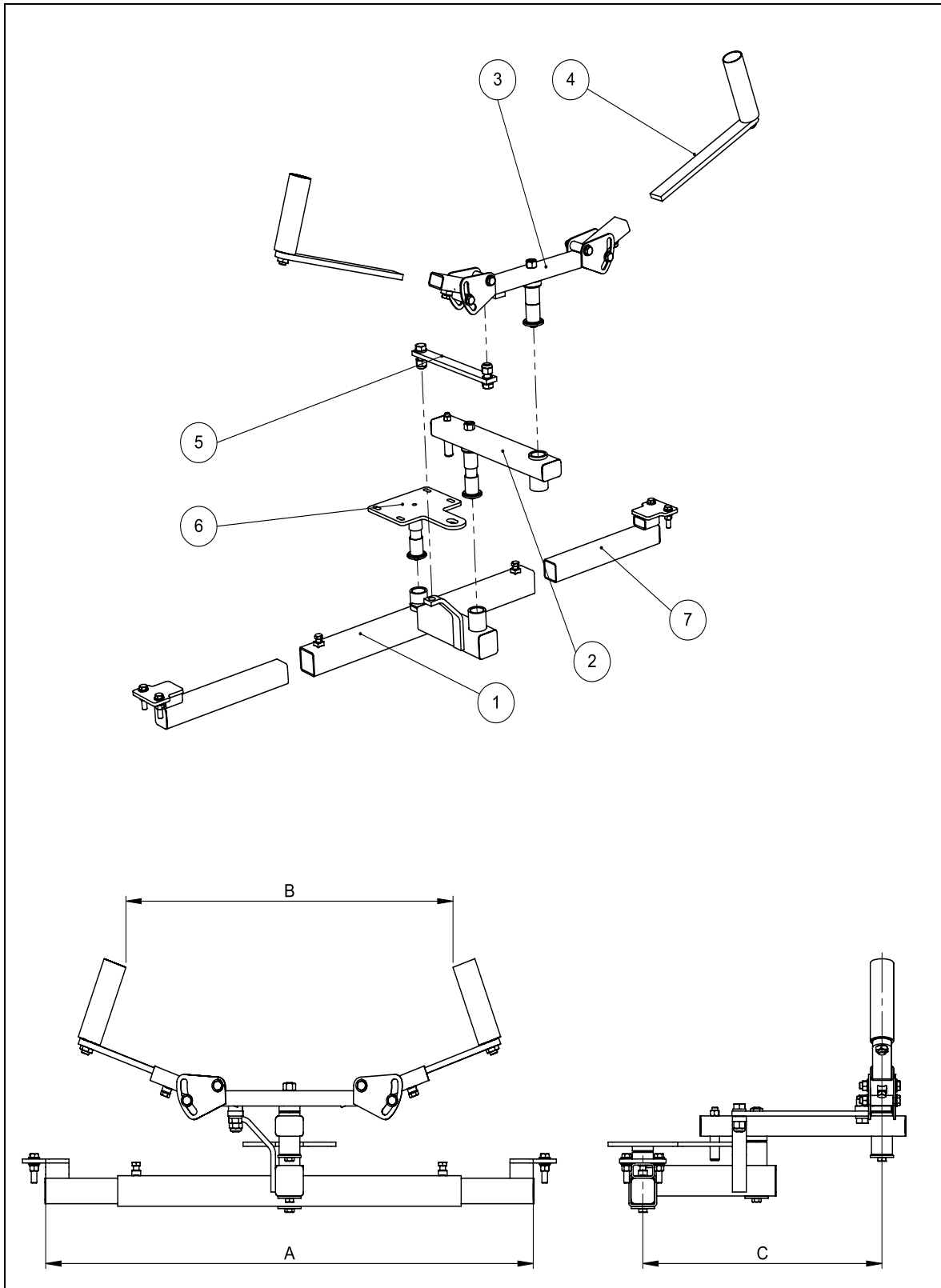


Fig. 28: MARTIN® Tracker Belt Tracking System (upper unit)

ND	Item / Pos.	Qty. / Anz.	Description / Beschreibung	P/N / Teile-Nr.
	1	1	Support frame / Tragrahmen	s.C. / s.T.
	2	1	Guide frame / Führungsrahmen	s.C. / s.T.
	3	1	Guide unit / Führungseinheit	s.C. / s.T.
	4	2	Sensor roll unit / Sensorrolleneinheit	s.C. / s.T.
	5	1	Adjust bar / Justierstange	s.C. / s.T.
	6	1	Roller station support (Upper unit) / Rollenstationaufnahme (Obere Einheit)	s.C. / s.T.
	7	2	Installation frame (Upper unit) / Installationsrahmen (Obere Einheit)	s.C. / s.T.

Assy P/N Baugr.-Nr.	P/N Pos. / Teilenr. Pos.			
	1	2	3	4
41142-0405XUMI	41142-S1MI0405	41142-S2MI0405	41142-S3MI0405	41142-S4MI0405
41142-0609XUBA	41142-S1BA0613	41142-S2BA0613	41142-S3BA0613	41142-S4BA0609
41142-1013XUBA	41142-S1BA0613	41142-S2BA0613	41142-S3BA0613	41142-S4BA1013
41142-1013XUHD	41142-S1HD1013	41142-S2HD1017	41142-S3HD1013	41142-S4HDMO1020
41142-1417XUHD	41142-S1HD1417	41142-S2HD1017	41142-S3HD1417	41142-S4HDMO1020
41142-1417XUMO	41142-S1MO1420	41142-S2MO1420	41142-S3MO1420	41142-S4HDMO1020
41142-1820XUMO	41142-S1MO1420	41142-S2MO1420	41142-S3MO1420	41142-S4HDMO1020

Assy P/N Baugr.-Nr.	P/N Pos. / Teilenr. Pos.		
	5	6	7
41142-0405XUMI	41142-S5MI0405	41142-S6MIU0405	41142-S7MIU0405
41142-0609XUBA	41142-S5BA0613	41142-S6BAU0613	41142-S7BAU0613
41142-1013XUBA	41142-S5BA0613	41142-S6BAU0613	41142-S7BAU1013
41142-1013XUHD	41142-S5HDMO1020	41142-S6HDU1013	41142-S7HDU1013
41142-1417XUHD	41142-S5HDMO1020	41142-S6HDU1017	41142-S7HDU1017
41142-1417XUMO	41142-S5HDMO1020	41142-S6MOU1420	41142-S7MOU1417
41142-1820XUMO	41142-S5HDMO1020	41142-S6MOU1420	41142-S7MOU1820

Assy P/N Baugr.-Nr.	DIM				
	A		B		C
	min.	max.	min.	max.	
41142-0405XUMI	540	790	388	588	480
41142-0609XUBA	794	1290	588	1008	642
41142-1013XUBA	1245	1740	928	1406	642
41142-1013XUHD	1355	2190	988	1418	812
41142-1417XUHD	1655	2690	1388	1818	812
41142-1417XUMO	1690	2570	1388	1818	932
41142-1820XUMO	2090	2970	1388	2168	932

9.3

MARTIN® Tracker Belt Tracking System  
(lower unit)

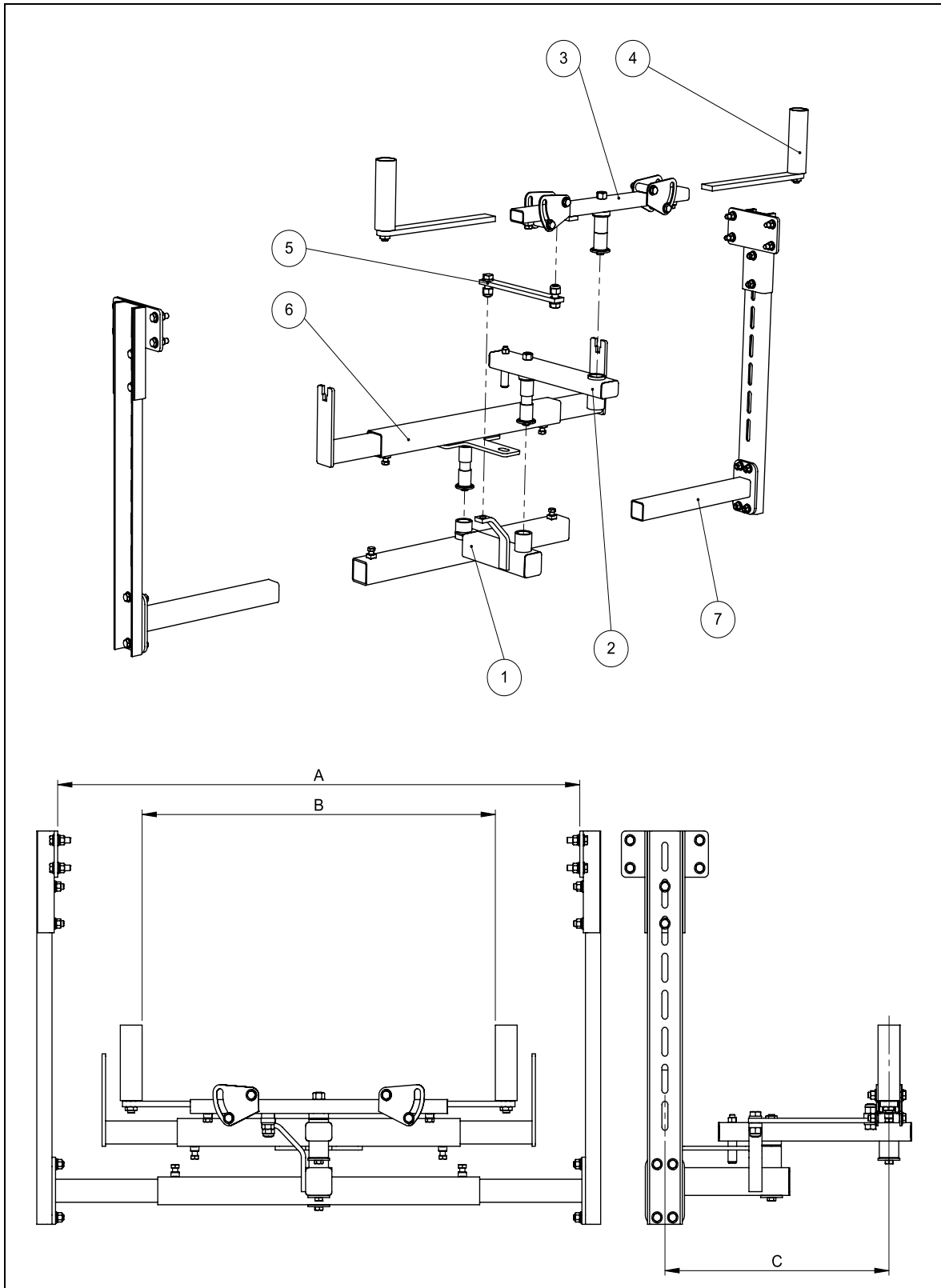


Fig. 29: MARTIN® Tracker Belt Tracking System (lower unit)

ND	Item / Pos.	Qty. / Anz.	Description / Beschreibung	P/N / Teile-Nr.
	1	1	Support frame / Tragrahmen	s.C. / s.T.
	2	1	Guide frame / Führungsrahmen	s.C. / s.T.
	3	1	Guide unit / Führungseinheit	s.C. / s.T.
	4	2	Sensor roll unit / Sensorrolleneinheit	s.C. / s.T.
	5	1	Adjust bar / Justierstange	s.C. / s.T.
	6	1	Roller station (Lower unit) / Rollenstation (Untere Einheit)	s.C. / s.T.
	7	2	Installation frame (Lower unit) / Installationsrahmen (Untere Einheit)	s.C. / s.T.

Assy P/N Baugr.-Nr.	P/N Pos. / Teilenr. Pos.			
	1	2	3	4
41142-0405XLMI	41142-S1MI0405	41142-S2MI0405	41142-S3MI0405	41142-S4MI0405
41142-0609XLBA	41142-S1BA0613	41142-S2BA0613	41142-S3BA0613	41142-S4BA0609
41142-1013XLBA	41142-S1BA0613	41142-S2BA0613	41142-S3BA0613	41142-S4BA1013
41142-1013XLHD	41142-S1HD1013	41142-S2HD1017	41142-S3HD1013	41142-S4HDMO1020
41142-1417XLHD	41142-S1HD1417	41142-S2HD1017	41142-S3HD1417	41142-S4HDMO1020
41142-1417XLMO	41142-S1MO1420	41142-S2MO1420	41142-S3MO1420	41142-S4HDMO1020
41142-1820XLMO	41142-S1MO1420	41142-S2MO1420	41142-S3MO1420	41142-S4HDMO1020

Assy P/N Baugr.-Nr.	P/N Pos. / Teilenr. Pos.		
	5	6	7
41142-0405XLMI	41142-S5MI0405	41142-S6MIL0405	41142-S7MIL0405
41142-0609XLBA	41142-S5BA0613	41142-S6BAL0609	41142-S7BAL0609
41142-1013XLBA	41142-S5BA0613	41142-S6BAL0609	41142-S7BAL1013
41142-1013XLHD	41142-S5HDMO1020	41142-S6HDL1013	41142-S7HDL1013
41142-1417XLHD	41142-S5HDMO1020	41142-S6HDL1417	41142-S7HDL1417
41142-1417XLMO	41142-S5HDMO1020	41142-S6MOL1417	41142-S7MOL1417
41142-1820XLMO	41142-S5HDMO1020	41142-S6MOL1820	41142-S7MOL1820

Assy P/N Baugr.-Nr.	DIM				
	A		B		C
	min.	max.	min.	max.	
41142-0405XLMI	450	810	388	588	480
41142-0609XLBA	900	1440	588	1008	667
41142-1013XLBA	1190	1840	928	1406	667
41142-1013XLHD	1200	2390	988	1418	787
41142-1417XLHD	1590	2790	1388	1818	787
41142-1417XLMO	1590	2790	1388	1818	842
41142-1820XLMO	2066	3190	1388	2168	842



**Declaration of Incorporation in accordance with the Machinery  
Directive (2006/42/EC)  
Annex II B for the installation of an incomplete machine**

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   In der Rehbach 14             Tel.: +49 (0)6123-97820  
   D-65396 Walluf                 Fax: +49 (0)6123-75533

declare herewith that the product mentioned below

Product designation:

**Conveyor belt centring system**

of the make / type:

**MARTIN® Tracker**

with the serial number:

**not required**

complies with the following provisions:

**EC Machinery Directive 2006/42/EC**

**DIN EN 618 - Equipment and Systems for the Handling of Bulk Materials**

In particular, the following harmonised standards have been applied:

**DIN EN ISO 12100 Safety of machinery**

Notified body:

**not required**

The information provided in the installation manual and technical documentation are in the original version with the named product.

The operation of this product is prohibited until it has been established that the system in which it is to be installed complies with the provisions of the EU Directive 98/37/EC and 2006/42/EC, in the amended form.

Date: 21/01/2010

Manufacturer's signature: Managing Director, Michael Hengl



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Subject to technical modifications  
Quality management system certified by DNV - ISO 9001

