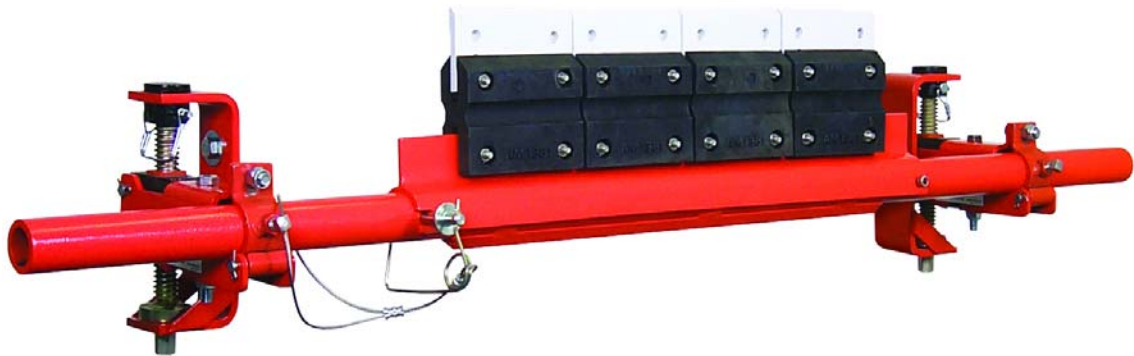




MARTIN[®] SQC2[™] Secondary cleaner



Installation Instructions
M3682UK

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2 Introduction

2.1 About these installation instructions

Non-compliance with these installation instructions can result in loss of compensation for damage and/or warranty claims.

2.1.1 Scope

These installation instructions apply solely for the product described herein and are intended for those persons who install this product, commission it, and monitor its usage.

2.1.2 Copyright

The products described and these installation instructions are protected by copyright. Any reproduction without a licence will be prosecuted. All rights to the present document are reserved, including its reproduction and/or copying in any conceivable manner. Reprints of this document require the written consent of Martin Engineering.

The technical standard at the time of delivery of the product and its technical documentation are decisive as long as no other information is provided. The product and documentation may be subject to technical changes without prior notification. Earlier documents then lose their validity. Martin Engineering's General Terms of Sales and Delivery shall apply.

2.1.3 Exclusion of liability

Martin Engineering guarantees the flawless function of its product in accordance with its advertising, the published product information and its technical documentation. Martin Engineering shall assume no liability for efficiency and flawless function if the product is used for a purpose other than that described in the "Intended Use" section or for damage resulting from the use of accessories and/or spare parts which were not supplied and/or certified by Martin Engineering.

Martin Engineering products are designed for a long service life. They conform to the state of the art in science and technology and were thoroughly inspected before shipment. In addition to this Martin Engineering constantly performs product and market research for continuous product development.

Martin Engineering offers competent support whenever malfunctions and/or technical problems occur. Suitable measures are taken immediately. The warranty provisions of Martin Engineering apply and can be sent to you as needed.

2.1.4

Reference to additional documents

Reference is made in these installation instructions to the following documents:

- Installation instructions for the MARTIN® Inspection door, Publication no. M3127.

The following standards and directives were complied with in the preparation of these installation instructions:

- EU Machinery Directive (2006/42/EC)
- ISO/IEC Guide 37 "Installation instructions for products used by consumers", 1995 Edition
- DIN 1421 "Arrangement and numbering in texts", Edition 1983-01
- DIN/EN 12100 "Machine safety - basic definitions, general design guidelines", 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 machines - Electrical Equipment of Machines, Part 1 General requirements", Edition 2007-06
- DIN EN 82079-1 - Creation of user manuals - Structuring, content and presentation, Part 1 General principles and detailed requirements.

2.1.5

Classification of the hazards

**DANGER**

Represents an immediately threatening danger which leads to serious bodily injuries or death if not avoided.

**WARNING**

Represents a possibly hazardous situation which could lead to serious bodily injuries or death if not avoided.

**CAUTION**

Represents a possibly hazardous situation which could lead to minor bodily injuries and/or property damage if not avoided.

**NOTE**

Contains comments about the installation and/or the product's usage to point out situations which cause neither personal injury nor property damage but include important information.

2.2 Intended usage

The secondary cleaner can be used exclusively for the cleaning of a conveyor belt in the bottom belt conveyor of a conveyor system. For this purpose, the cleaner must be installed directly behind a head pulley or counter-pressure roller.

It can be used on conveyor belts with a maximum belt width of 2400 mm and a maximum conveyor speed of 5 m/s.

Every other usage of this product is deemed as misuse. Please contact Martin Engineering customer service if you would like to use this product for a different purpose. We will be happy to assist you with the product configuration.

2.2.1 Conveyor systems with open transfer systems

These installation instructions describe the installation on conveyor systems with encapsulated transfer systems. Various MARTIN[®] installation brackets can be used on open transfer systems.

Martin Engineering or one of its representatives can assist with the position or with special solutions in cases where the installation conditions are complicated such as insurmountable static components or a head pulley as the tensioning station.

2.2.2 Usage in explosion-protected areas

This product can also be used in potentially explosive areas under certain conditions. Contact Martin Engineering for more information on usage in potentially explosive areas.

The cleaner must not be used in a higher equipment protection category or under other operating conditions than those specified by Martin Engineering unless such usage has been approved by Martin Engineering.

2.2.3 Restrictions on the use of the product

The product specified here may only be used within the scope of the specifications referred to above. Usage in a higher equipment protection category or under other operating conditions than those specified by Martin Engineering shall be deemed misuse and is only permitted if approved by Martin Engineering.

Martin Engineering or one of its representatives can assist you with the product configuration if you need to use this product for a different purpose.

2.3 Occupational safety

2.3.1 Safety information, occupational safety

These installation instructions must be read through in their entirety before work may be started on the product or on the conveyor system supplied by the customer.

The owner-operator must ensure that all installation, inspection and maintenance work is performed solely by trained specialists.

Work on conveyor systems and their accessories must always be performed during shut-down. The procedures described in the applicable installation instructions for shutting down-the conveyor system must always be complied with.

All of the safety devices and safeguards must be reattached and/or made operational again immediately following completion of the work.

The installation must be carried out to completion before the system is started up. The flawless execution of all operating steps must be tested before the conveyor system can be started up again. Please observe all information on the installation and start-up of the product.

2.3.2 Duties of the owner-operator

This product's owner-operator must ensure that this product is installed, serviced and used solely by those persons who

- know the rules regarding occupational safety and accident prevention,
- were trained on using this product and have read and understood these installation instructions.

2.3.3 Authorised personnel

Personnel are considered authorised when they have suitable training and technical experience, can demonstrate knowledge of the applicable standards and guidelines, and are able to evaluate tasks in order to recognise critical situations at an early stage.

Operating, maintenance and installation personnel

Personnel are considered authorised when they have been trained on using the product and have read and understood these operating instructions in their entirety.

3 Description of the product

3.1 Design and function

With its individually spring-loaded tungsten-carbide blades, the secondary cleaner provides effective cleaning without damaging either the conveyor belt, possible splices or the cleaner itself. The rubber buffers of the tungsten-carbide blades cushion impact on the one hand and maintain the required cleaning pressure on the other hand.



NOTE

An unfavourably or improperly installed product can disrupt the conveyor process or contaminate the bulk material to be transported.

The owner-operator is responsible for taking the required countermeasures.

In the case of applications with contaminants Martin Engineering or one of its representatives can assist with the positioning or with special solutions.

3.2 Tensioners

The secondary cleaner and its specially developed Martin Engineering Inline Reversing tensioners offer the best possible results and correspond to the general state of the art.

The SQC2™ secondary cleaner can be operated exclusively with the following tensioner:

- MARTIN® SQC2™ tensioner, part no. SQC2-35701-XX

3.3 Type designation

Den MARTIN® SQC2™ secondary cleaner is available in three different designs

- with aluminium cartridges for general usage.
- without aluminium cartridges for additional usage in explosive areas where no aluminium is permitted.
- as a miniature design for tight installation spaces.

4 Preparing for the installation

4.1 Before the installation

4.1.1 Required materials and tools

Along with the standard tools, the following special equipment may be needed for the installation and maintenance of your product.

- Lifting device with a capacity greater than the weight of the belt cleaner (see delivery note for weight data).

4.1.2 Preparatory measures



NOTE

Perform the inspections carefully and completely as described. The shipping company is liable for any transport damage! Please contact the shipper with any damage claims.



NOTE

An unfavourably or improperly installed product can disrupt the conveyor process or contaminate the bulk material to be transported.

The owner-operator is responsible for taking the required countermeasures.

In the case of applications with contaminants, please seek the advice of Martin Engineering or one of its representatives.

1. Inspect the delivery for the following conditions:
 - Is the delivery complete? Does the number of pallets/ crates/containers delivered match the number on the delivery note?
 - Do all of the transport packages appear to be undamaged? Does damage to the packaging exist which indicates damage to the product contained inside?
2. Always record any incompleteness or transport damage discovered in the delivery and have it confirmed by the shipper. All damaged products must be kept for inspection.

3. The delivery should include the following parts, depending on the scope of the order:
 - Martin® SQC2™ Secondary Cleaner
 - Two Martin® SQC2™ tensioners
 - Two Crushing Hazard Warning Labels
Part No. 30528
 - Two Conveyor Products Warning Labels:
Part no. 23395
 - Two label for tension values:
Part No. SQC2-10002G
 - Installation instructions.
4. Report any missing or damaged parts to Martin Engineering or one of its authorised dealers.

4.1.3

Removal of the tensioner

The Martin® QC™ #2 tensioners must first be removed to prepare for the installation. The following steps must be taken for both spring tensioners.

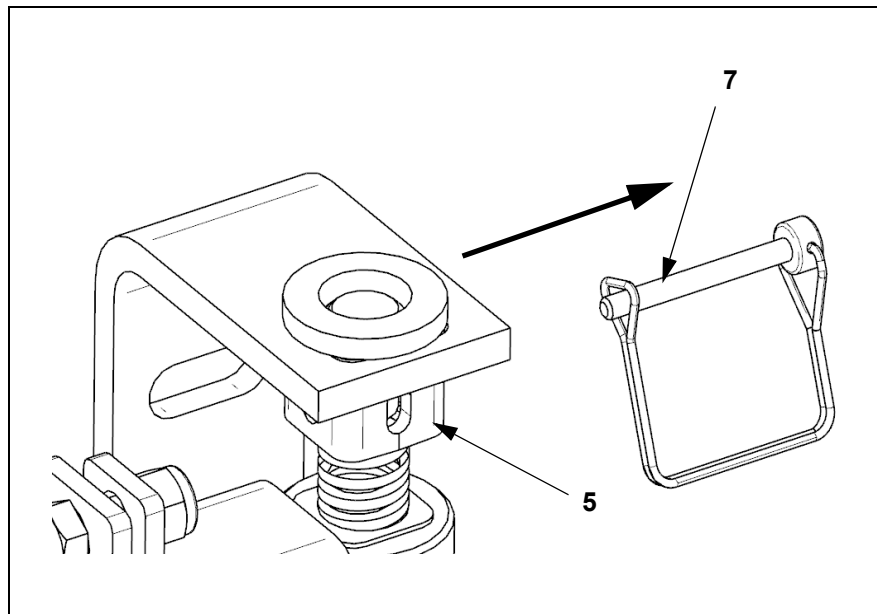


Fig. 1:

1. Pull the wire lock pin (7, Fig.1) out of the upper bearing bush (5, Fig.1).

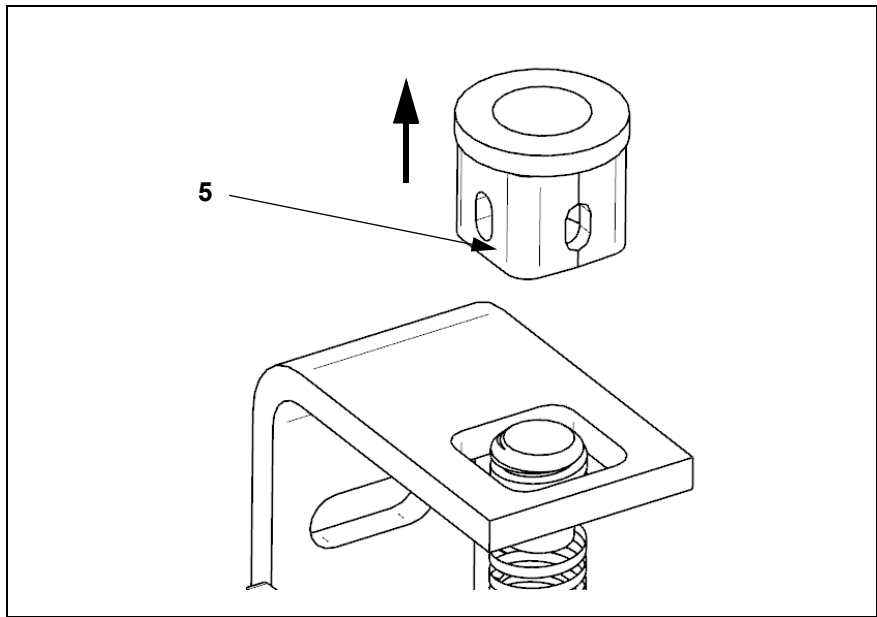


Fig. 2:

2. Remove the upper bearing bush (5, Fig.2) from the installation panel (1, Fig.2).

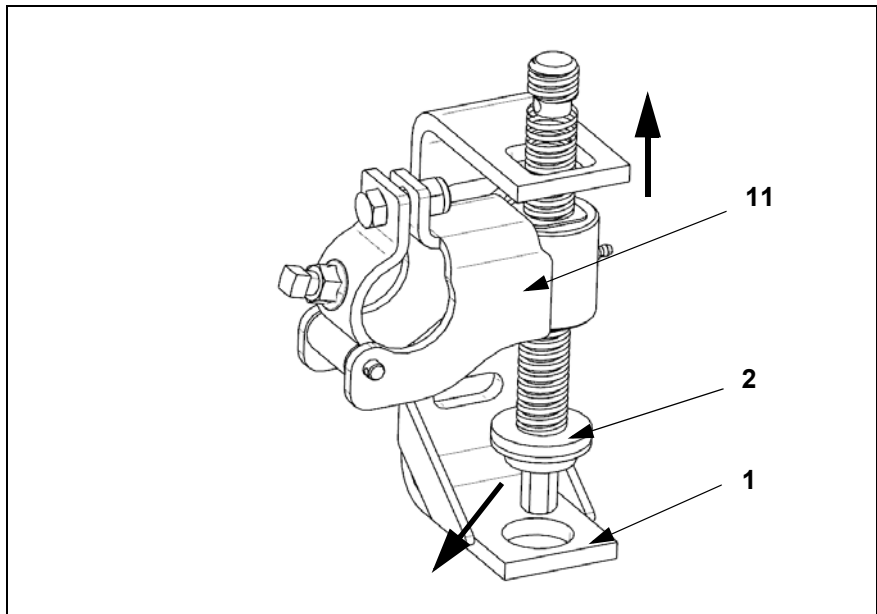


Fig. 3:

3. Remove the holding arm together with the threaded rod (11, Fig.3) and lower bearing bush (2, Fig.3) from the installation panel (1, Fig.3).
4. Keep the removed single parts close at hand for the later assembly.

5 Installation

5.1 Safety information



NOTE

Read this section completely before starting any kind of work!



WARNING RISK 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 unauthorised reactivation. Use warning signs!



WARNING DANGER OF EXPLOSION!

Increased risk when using a cutting torch or welding device in closed spaces!

Check the gas and dust content of the air before usage.

5.2

Installation process

5.2.1

Determination of the installation position

The position of the axle and the tensioning device of the secondary cleaner must be determined on both sides of the chute wall. In this process, the positions are therefore determined for where the shaft of the secondary cleaner is routed through the chute wall and/or where the tensioner is installed on the chute wall.

The secondary cleaner is delivered jointly with a tensioner. This is delivered as a work's dismantled unit and will be installed together with the secondary cleaner during the general installation.

The installation process for the secondary cleaner and the tensioner is described in the supplied installation instructions.

An overview of the installation steps follows:

No.	Installation step	Instructions
1	Determining the installation position	M3682
2	Installing the cleaner	M3682
3	Installing the tensioner	M3682
4	Tightening the cleaner	M3682

Tab. 1: Instruction-manual overview

Various on-site conditions requiring different work steps are possible for the installation. These are presented as follows:

Installation on an encapsulated transfer system

- Follow the instructions in Section 5.2.2. ff

Installation on an encapsulated transfer system with pre-existing installation openings and air line brackets for belt cleaners.

- Follow the instructions in Section 5.2.3. ff

Installation on an open transfer system

- Use the equipment provided at the site to comply with the dimensions for correct installation.



NOTE

Martin Engineering recommends installing a MARTIN® inspection door for the purpose of better accessibility for maintenance and repairs.

1. Deactivate the conveyor system and all accessories before starting the installation work and secure them against inadvertent reactivation.



NOTE

The secondary cleaner should ideally be installed near a head pulley or a counter-pressure roller. The clearance should be between 50 and 100 mm.

Installation SQ2, 41605, 41641

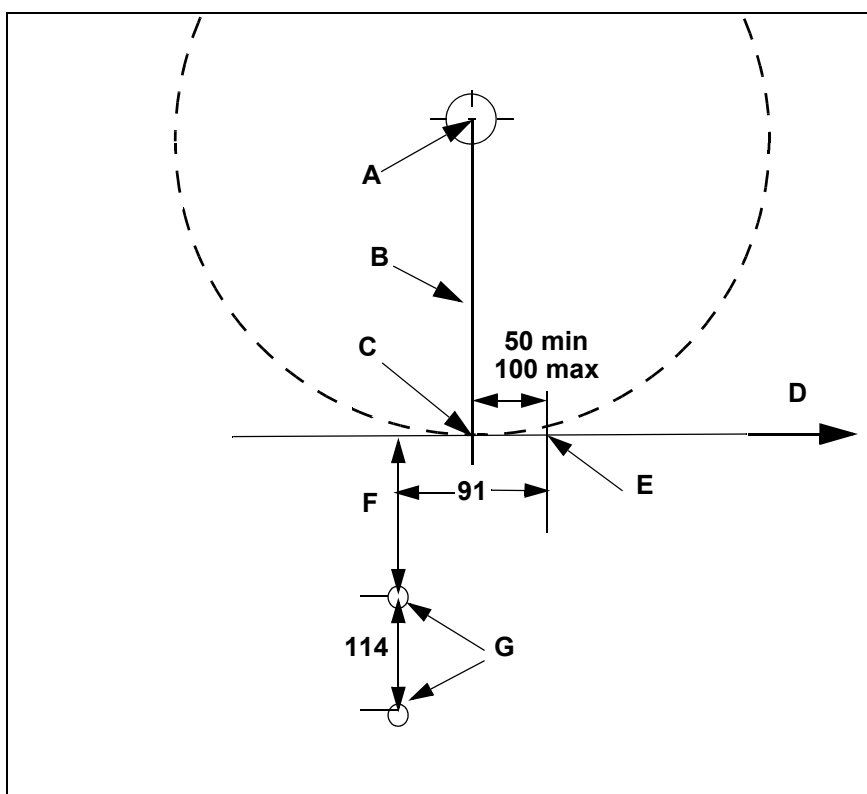


Fig. 4:

Item	Description
A	Centre point of the driving drum
B	Perpendicular on the lower conveyor belt level
C	Exit point of the conveyor belt from the driving drum
D	Running direction of the conveyor belt
E	Position of the belt cleaner's blade tip
F	See dimensions in Table 3
G	Installation holes in the tensioner

Tab. 2: Determination and creation of the installation position

Secondary cleaner Part number	Installed dimension
SQC2, 41605	min. 153 mm / max. 165 mm
41641	min. 88 mm / max. 100 mm

Tab. 3: Dimensions of the installation position

Installation SQ2 with SAF3

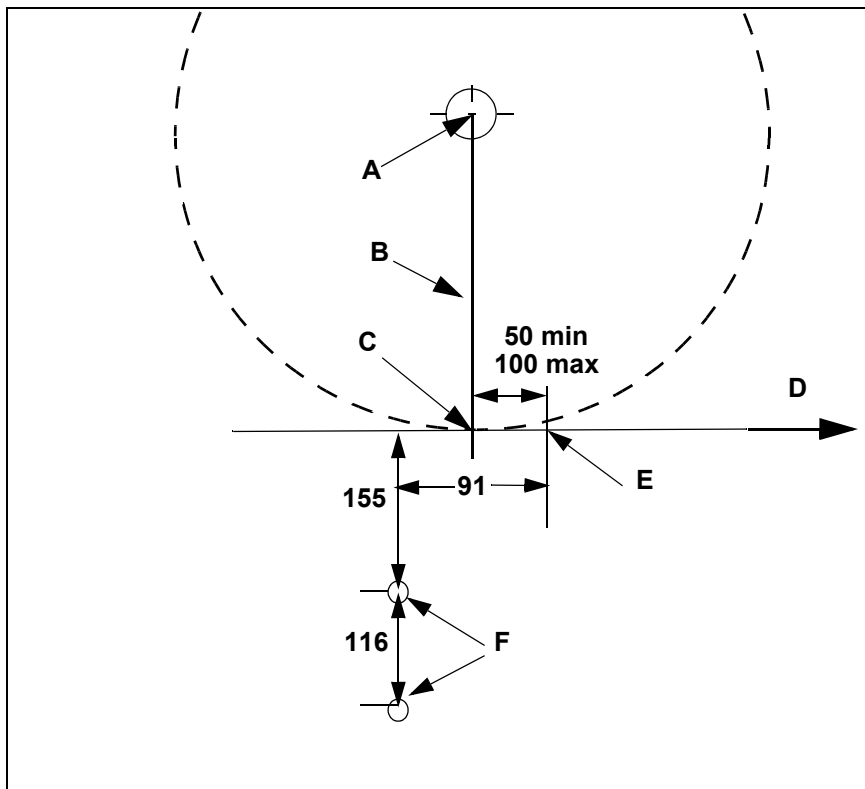


Fig. 5:

Item	Description
A	Centre point of the driving drum
B	Perpendicular on the lower conveyor belt level
C	Exit point of the conveyor belt from the driving drum
D	Running direction of the conveyor belt
E	Position of the belt cleaner's blade tip
F	Installation holes in the tensioner

Tab. 4: Determination and creation of the installation position

2. Mark the vertical and horizontal centre line of the driving drum on the operator side of the chute wall to determine the centre point (A, Fig. 4) of the driving drum. The vertical line must run at a right angle with respect to the conveyor belt line.
3. Mark a position (E, Fig. 4) at a distance from 50 mm to no more than 100 mm in the conveying direction (D, Fig. 1) from the point at which the belt leaves the head pulley (C, Fig.4).
4. Draw a vertical line at this position (E, Fig. 4) going downwards at a right angle to the conveyor belt.
5. Use the dimensions from Tables 2 and 3 to mark the installation holes for the tensioner (G, Fig. 4).
6. Create the cut-out and installation holes as shown in Fig. 6/Fig. 7.

Installation SQ2, 41605, 41641

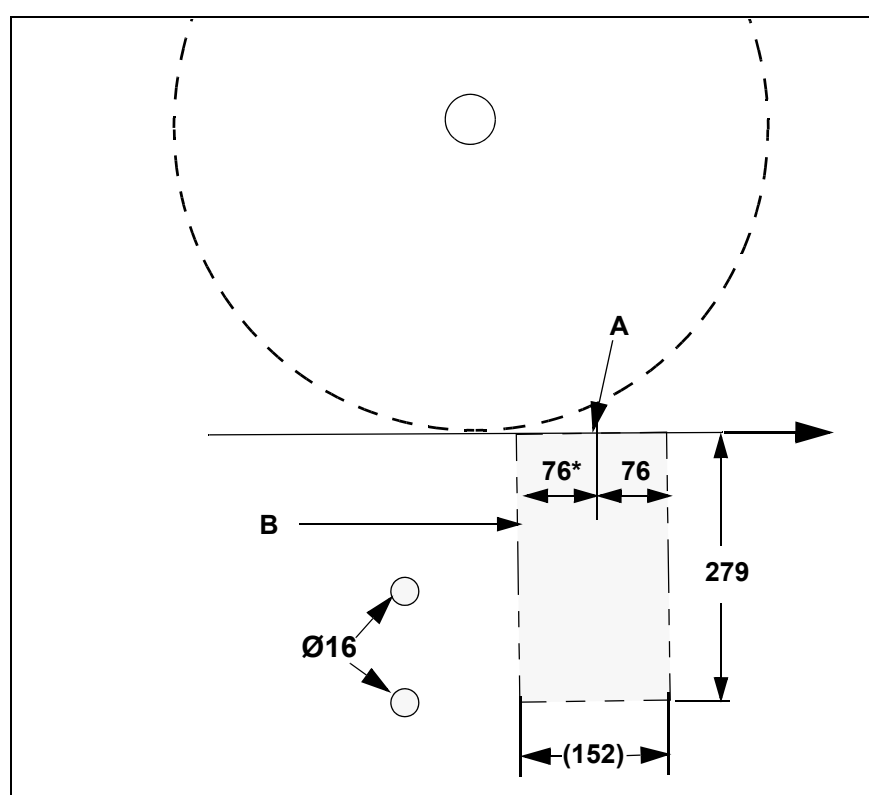


Fig. 6:

*The cleaner should ideally be placed in the centre of the access port.

Item	Description
A	Blade-edge position
B	Access port

Tab. 5: Installation opening



WARNING RISK OF INJURY!

The secondary cleaner is heavy and can cause serious injuries if it is dropped during lifting or moving.

Always use a suitable lifting device or engage the help of several persons when lifting the secondary cleaner. Do not stand under hanging loads.

Installation SQ2 with SAF3

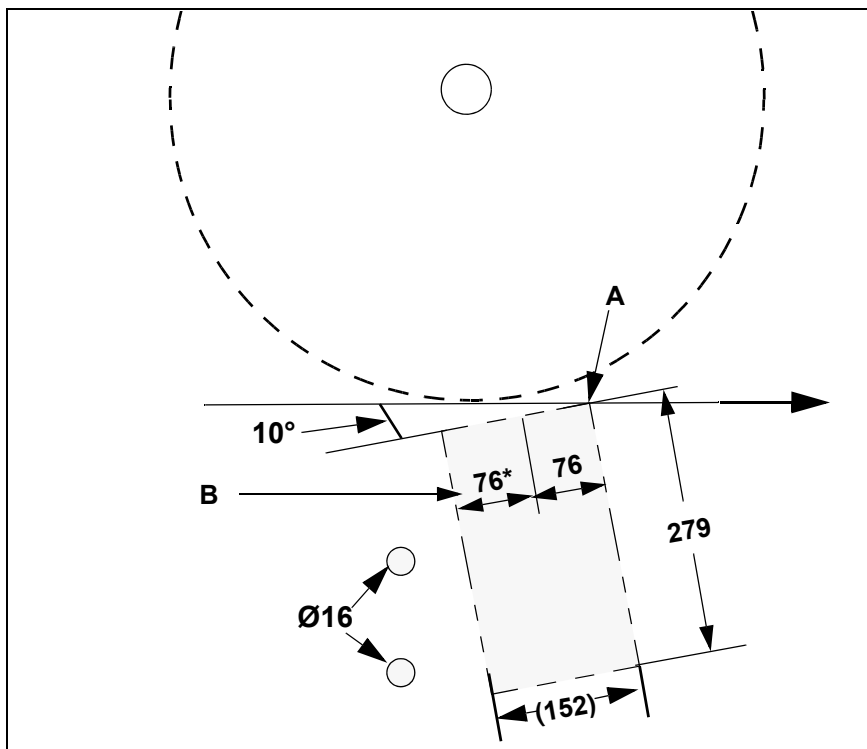


Fig. 7:

*The cleaner should ideally be placed in the centre of the access port.

Item	Description
A	Blade-edge position
B	Access port

Tab. 6: Installation opening

7. A conveyor belt support must be installed if the conveyor belt is not adequately supported on the contact point between the blade and the belt (see Section 6 under "Following installation").
8. Repeat steps 1 to 6 on the opposite side of the chute wall.

5.2.2

Installing the tensioner

The installation panel must first be dismantled from the tensioner before it can be installed (see Section 4.1.3) and then installed in the installation holes created in Fig. 5. Note the alignment of the panel as shown in Fig 7.

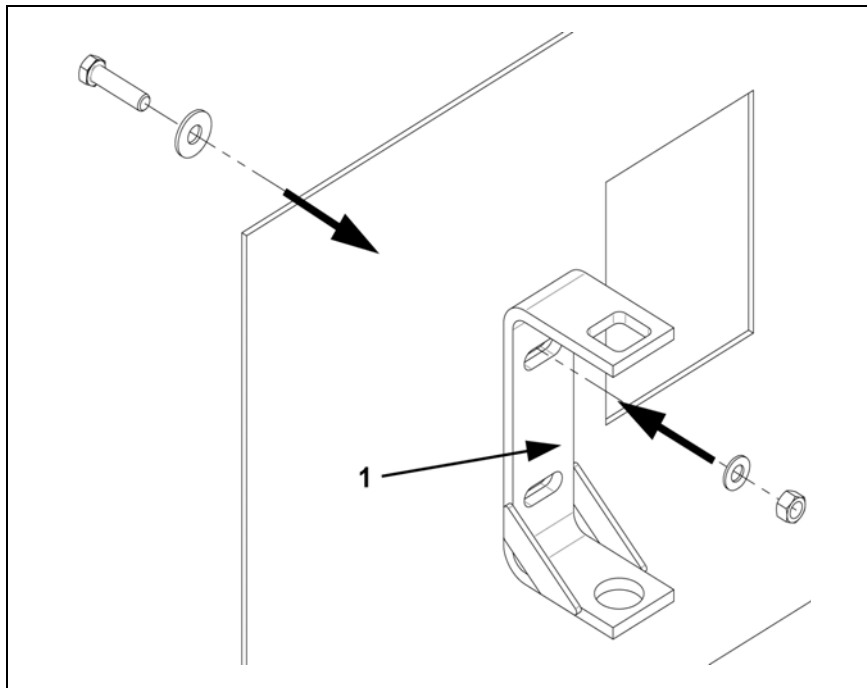


Fig. 8:

1. Attach the installation panel (1, Fig. 8) to the chute wall in the holes created in Fig. 6.

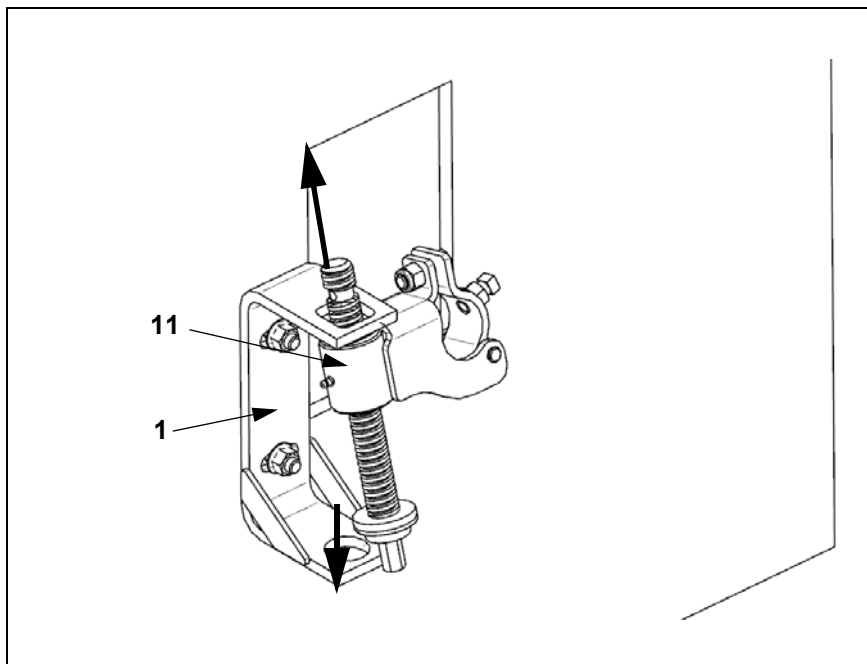


Fig. 9:

2. Insert the holder arm (11, Fig.9) together with the threaded rod, pivot joint block and lower bearing bush with proper alignment (Fig. 9) into the installation panel (1, Fig.9).

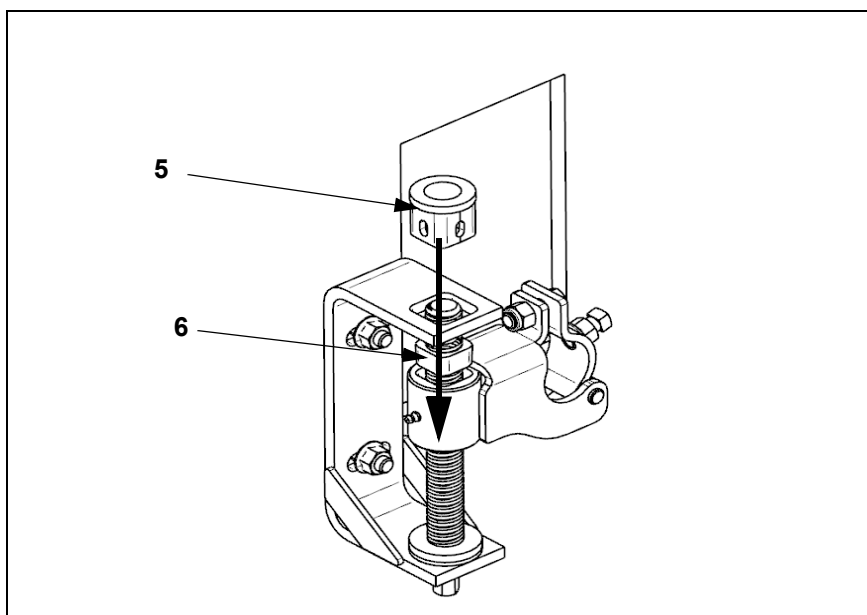


Fig. 10:

3. Insert the pivot joint block (6, Fig 10) and the upper bearing bush (5, Fig 7).

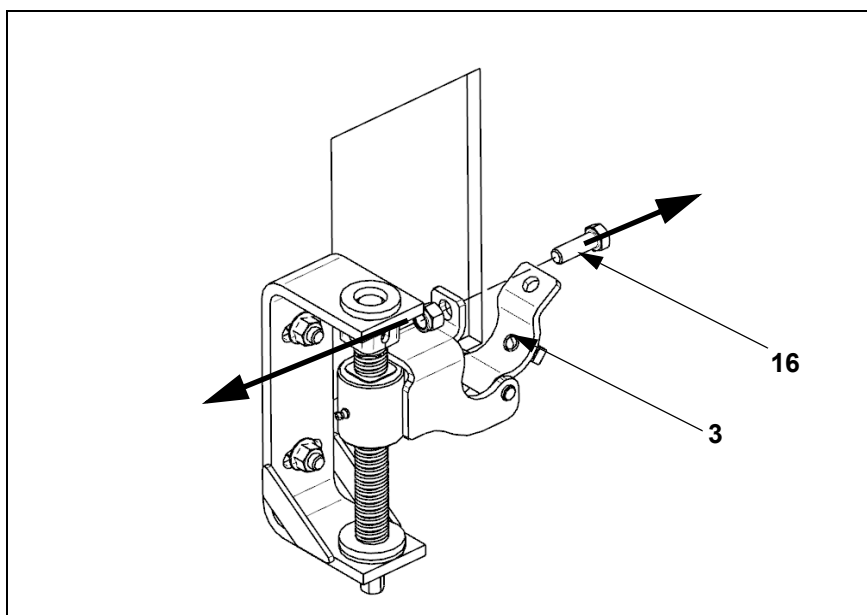


Fig. 11:

4. Remove the hexagon head screw (16, Fig.11) on the clamp (3, Fig. 11) and open the clamp.
5. Repeat steps 1 to 4 on the opposite side.

5.2.3

Installing the cleaner



NOTE

The following steps 1 and 2 are only intended to make installation easier and can be used for the SQC2 cleaner. With cleaners having part number 41605, insert the cleaner mainframe into the tensioner as described in step 3.

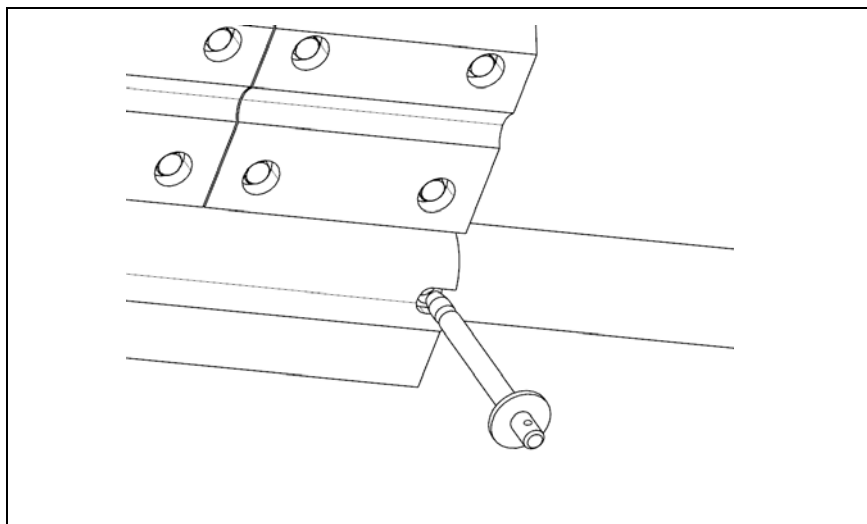


Fig. 12:

1. Remove the retaining pin from the blade cartridge.

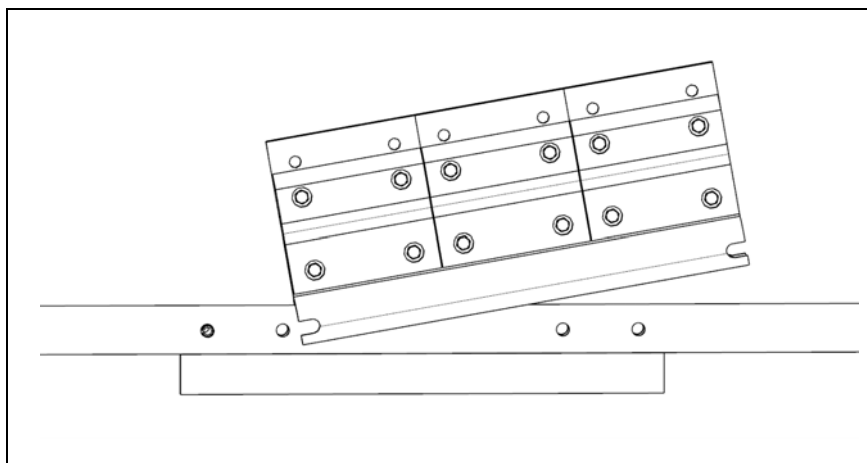


Fig. 13:

2. Remove the blade cartridge.

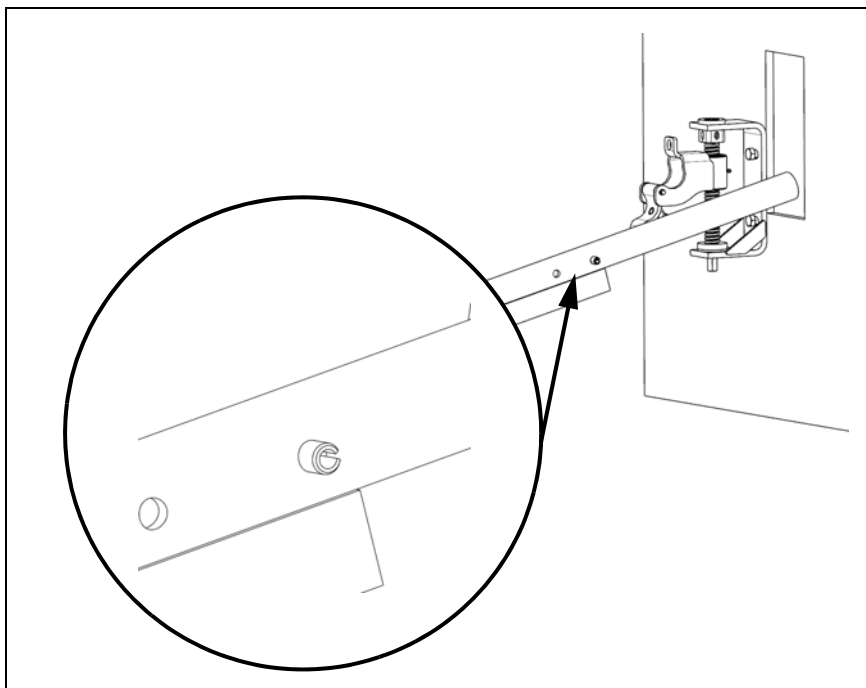


Fig. 14:



NOTE

Note before inserting the mainframe that the installed retaining pin is positioned on the far side. This applies only for cleaners with the part number SQC2.

3. Insert the cleaner mainframe into both sides of the tensioner through the installation opening.

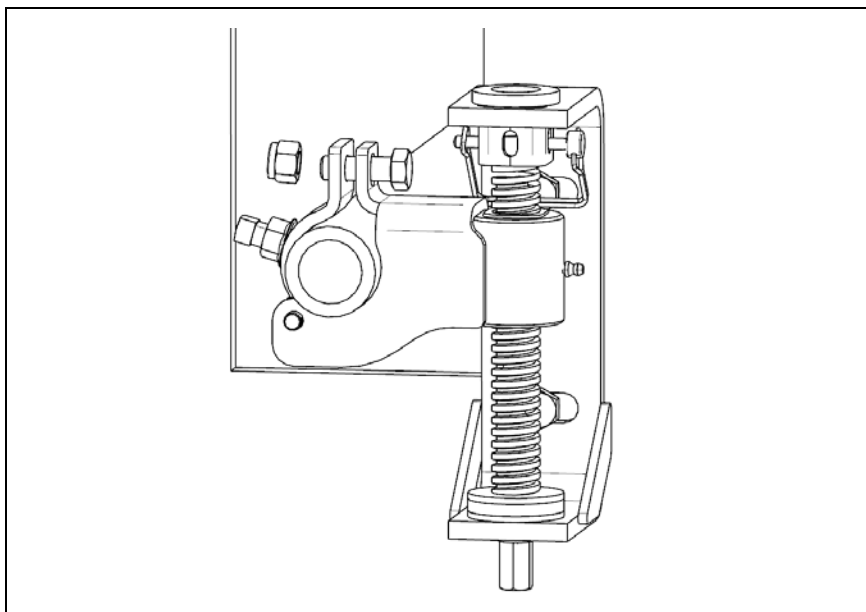


Fig. 15:

4. Tighten the tensioner locking bolts for the cleaner mainframe by hand.



NOTE

Tighten the locking bolts firmly enough that the cleaner mainframe does not become skewed when the blade cartridge is inserted.

5. If the blade cartridge has been removed, it is reinserted in the cleaner-mainframe locking mechanism. While doing so, take care to ensure that the cartridge is not tilted or rotated..

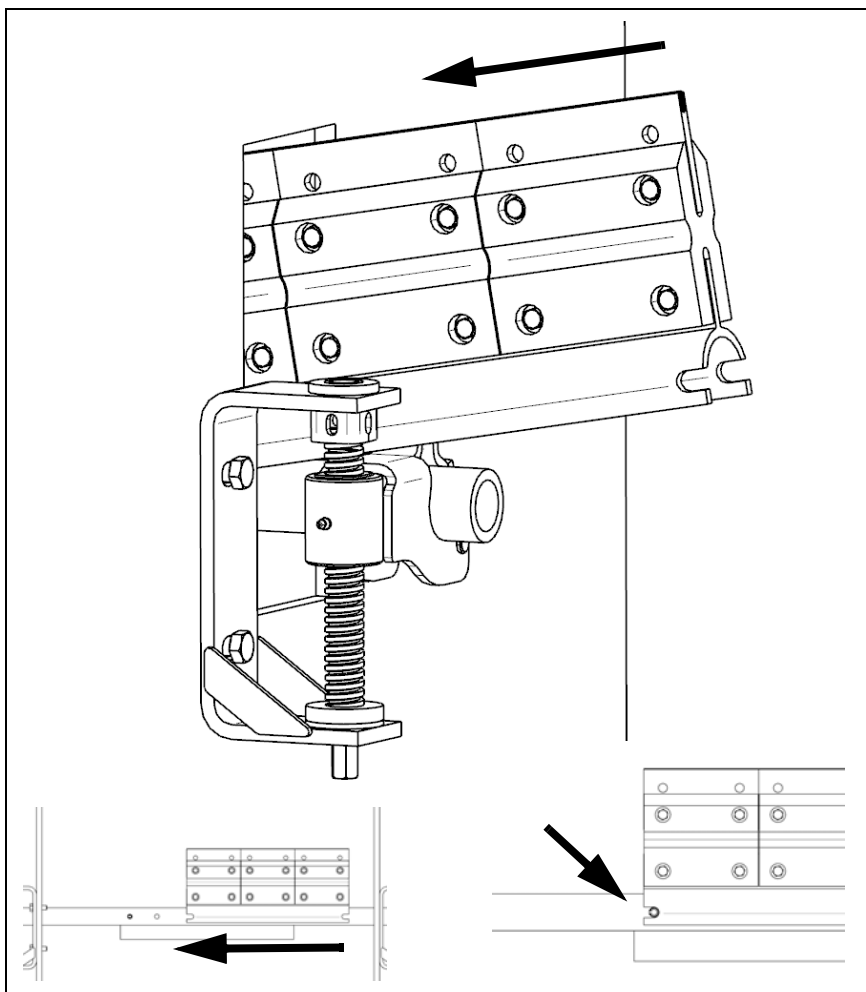


Fig. 16:

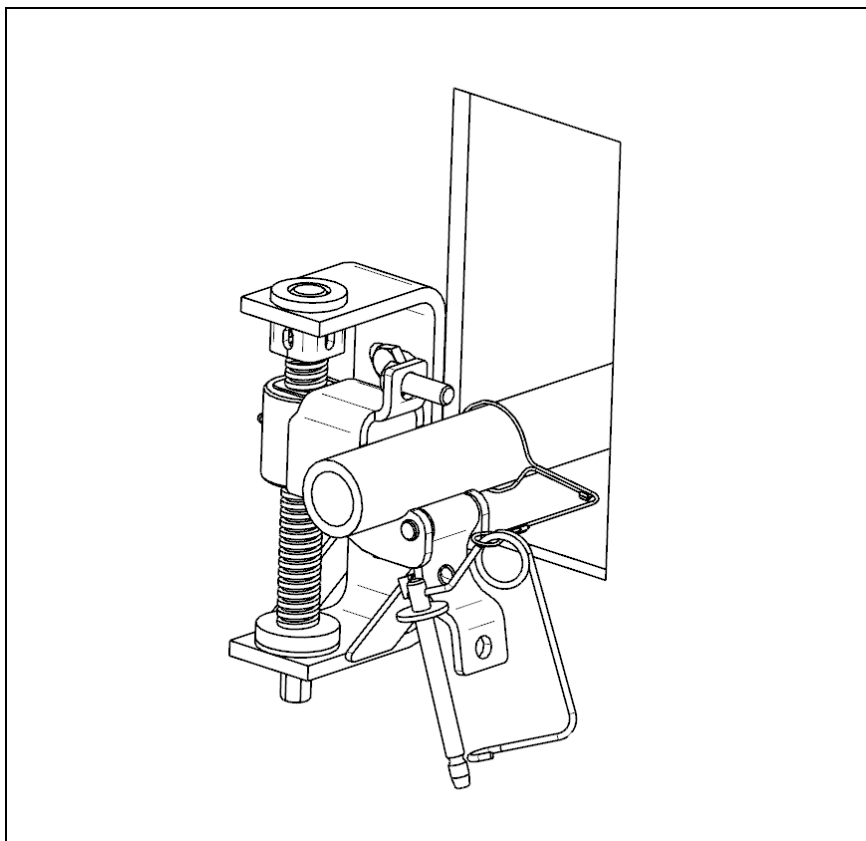


Fig. 17:

6. When using the cleaner with part number SQC2, secure the locking bolts of the blade cartridge with the rope on the mainframe as shown in Figure 17.

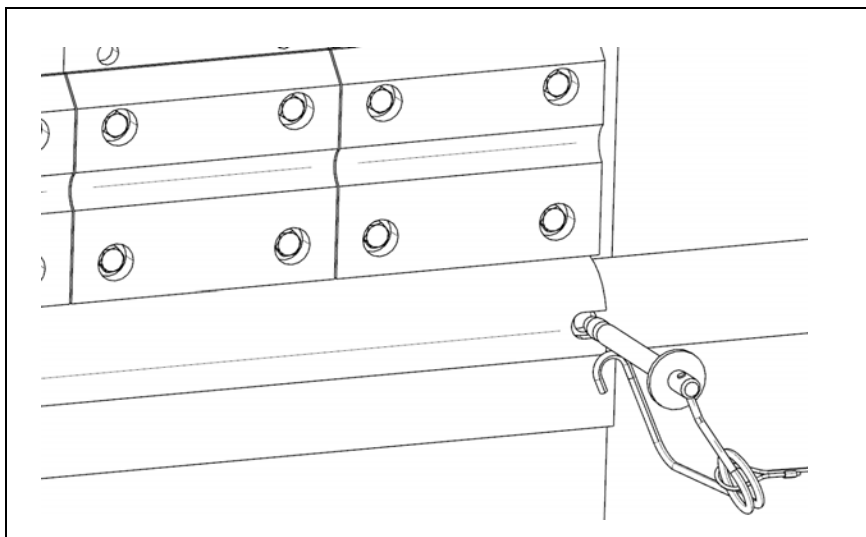


Fig. 18:

7. Reinsert the retaining pin into the blade cartridge.

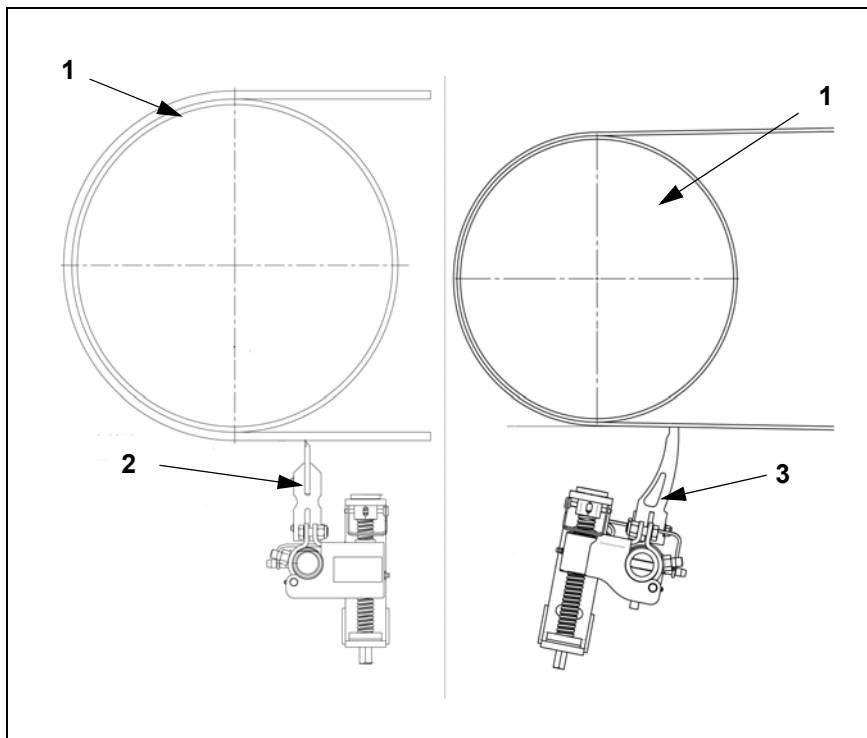


Fig. 19:

Item	Description
1	Head pulley
2	Cleaners SQ2,41605, 41641
3	Cleaners SQ2 SAF3

Tab. 7: Check the alignment of the blade.

8. Check blade alignment.



CAUTION RISK OF DAMAGE!

Off-track running can cause damage to the conveyor belt edge and/or the cleaning elements.

Alignment of the secondary cleaner in accordance with the following instructions.



NOTE

The following displays are examples and can differ from the secondary cleaner actually used.

5.2.4

Centring the mainframe beneath the conveyor belt

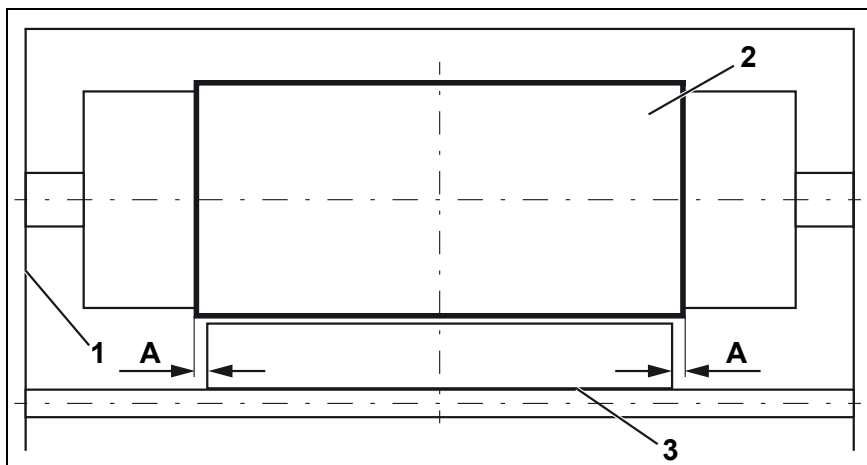


Fig. 20:

Item	Description
1	Chute wall
2	Driving drum
3	Blades

Tab. 8: Centring the secondary cleaner beneath the conveyor belt

1. Measure the clearances (A) and (B) between the edge of the cleaning elements and the conveyor belt edge.
2. Shift the secondary cleaner so that clearance A is equal to clearance B.



NOTE

The conveyor belt must protrude around 50 to 100 mm from the left and right sides. The cleaning elements must be centrally aligned beneath the conveyor belt.

5.2.5

Aligning the mainframe parallel to the conveyor belt

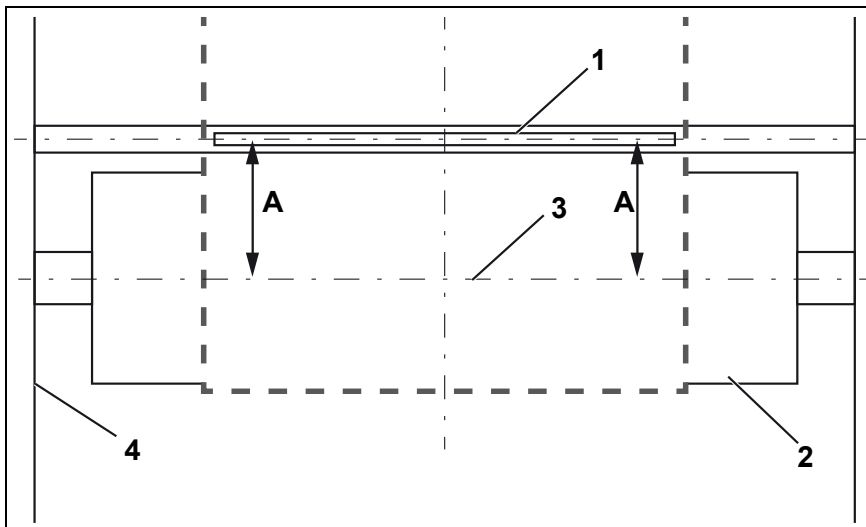


Fig. 21:

Item	Description
1	Top view of the blades
2	Driving drum
3	Driving drum axis
4	Chute wall

Tab. 9: Top view of aligning the secondary cleaner in parallel to the conveyor belt

1. Measure the clearance on both sides between the mainframe and the head pulley or counter-pressure roller.



NOTE

The measurements must be the same on both sides.

5.2.6

Aligning the mainframe horizontally

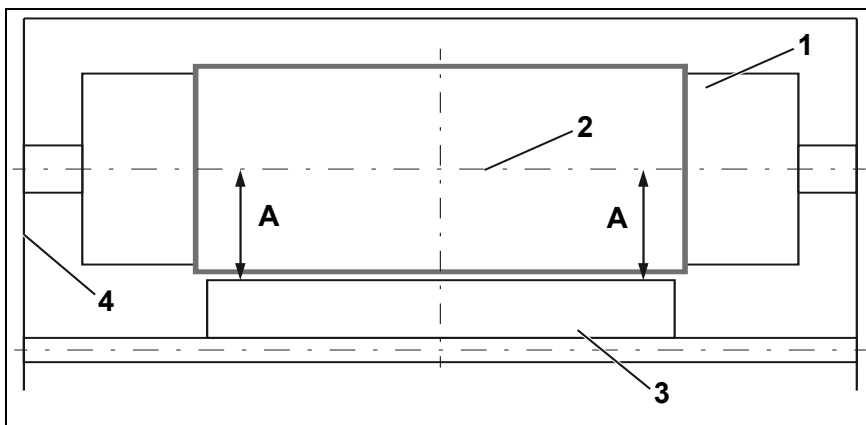


Fig. 22:

Item	Description
1	Driving drum
2	Driving drum axis
3	Blades
4	Chute wall

Tab. 10: Aligning the secondary cleaner horizontally

1. Align the secondary cleaner mainframe horizontally with respect to the head pulley or check whether the blade rests evenly against the conveyor belt.
2. Tighten the tensioner clamping screws.

Once the dimensions are correct and the secondary cleaner aligned, it can be attached accordingly. If this is not the case, then the mainframe must be reinstalled or repositioned.

5.2.7

Attaching the secondary cleaner

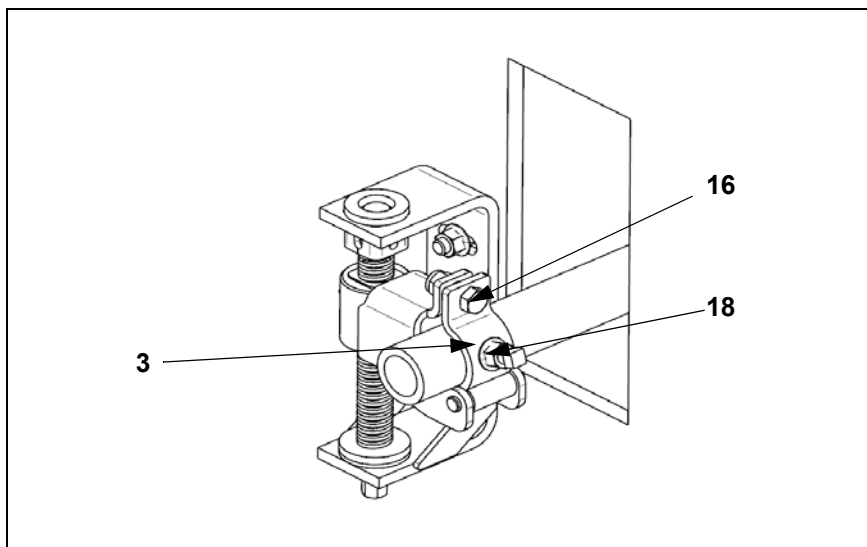


Fig. 23:

If all of the dimensions are correct and the secondary cleaner aligned, then it can be attached on both sides by the hexagon head screw (16, Fig. 23) and the square head screw (18, Fig. 23) of the clamp (3, Fig.23). Otherwise, it must be reinstalled or repositioned.

5.2.8

Tensioning the secondary cleaner.



CAUTION RISK OF DAMAGE!

Excess or uneven tightening of the belt cleaner on the conveyor belt can cause material damage.

Always tighten the belt cleaners in accordance with the specification and also ensure uniform tightening whenever dual In-line-Reversing tensioners are used. Note the information on the warning label!

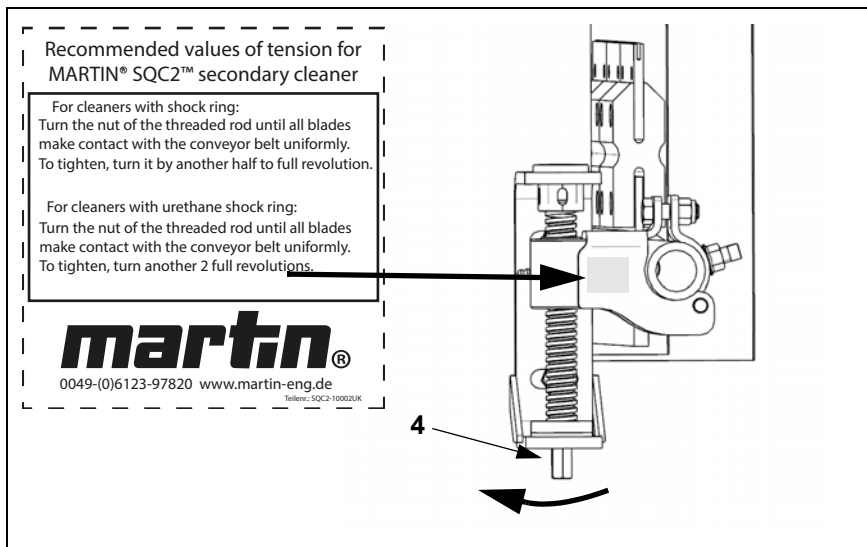


Fig. 24:

1. Before tightening, turn the lower hexagon of the threaded rod (4, Fig.24) of the tensioner so far anticlockwise that the blades touch both sides of the conveyor belt.
2. When all of the blades are touching the belt, tighten the cleaner one-half to one rotation on both sides of the conveyor belt.

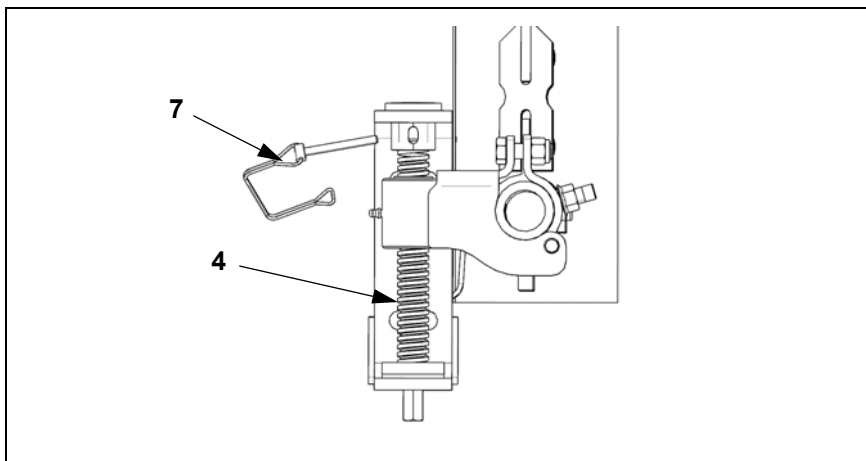


Fig. 25:

3. Use the tensioner's wire lock pin (7, Fig.25) to secure the threaded rod (4, Fig.25).
4. Repeat steps 1 to 3 on the far side.

5.3

Test run



NOTE

Read through this section completely before starting any work on the belt cleaner or on the customer's conveyor system.

If the secondary cleaner raises the conveyor belt then a pressure roller must be installed above the contact point between the blade and conveyor belt at a clearance of 50 mm counter to the running direction to support the conveyor belt.

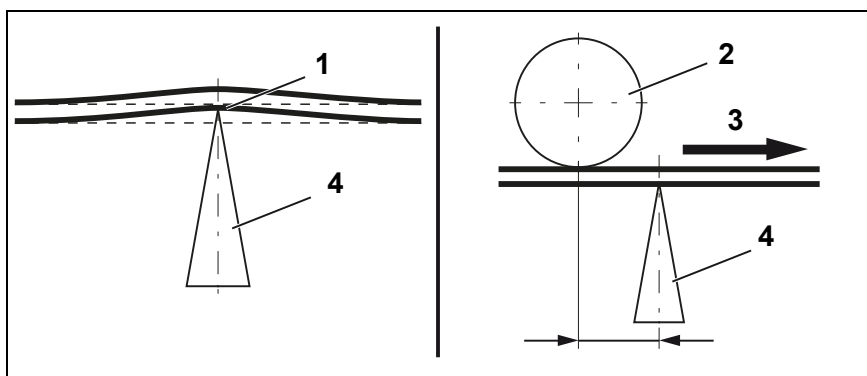


Fig. 26:

Item	Description
1	Conveyor belt
2	Pressure roller
3	Direction of conveyor belt
4	Secondary cleaner

1. Thoroughly clean the external chute wall on the operator side above the tensioner. Affix Conveyor Products Warning Labels (Part No. 23395) on the chute wall where they can be seen by the system operator (also refer to Fig. 27 on page 34).



CAUTION FLYING OBJECTS!

Forgotten tools or installation parts can fall off of the running conveyor belt and cause minor injuries and property damage. *Always remove any tools from the installation site and conveyor belt upon completion of the installation work before switching on the power supply.*



WARNING RISK OF INJURY!

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

Shut off the power supply to the conveyor system and its accessories and secure it against unauthorised reactivation before performing any installation or maintenance work.

Use warning signs!

2. Remove all tools and fire protection covers from the installation site and the conveyor belt.
3. Perform a 1-hour test run of the conveyor system.



CAUTION RISK OF DAMAGE!

Never operate the fully tensed belt cleaner for longer than 15 minutes on the running unloaded conveyor belt. A risk of damage due to overheating exists for the belt cleaner and/or the conveyor belt.

Only operate the fully tensed belt cleaner on the running and fully loaded conveyor belt.

4. Shut off the conveyor system after the 1-hour test run, shut off the power supply and secure it against inadvertent reactivation.
5. Check whether all of the fastening parts are securely tightened. Tighten any loose connections.
6. Inspect the belt cleaner for the following conditions:
 - Wear: minor break-in wear is normal. This stops as soon as the blades have adjusted to the shape of the conveyor belt.
 - Bulk material accumulation: No bulk materials must accumulate between the blades and return side.
7. Follow the corresponding instructions in Section 7 "Troubleshooting" for cases of excess wear, bulk material accumulation, or other problems.

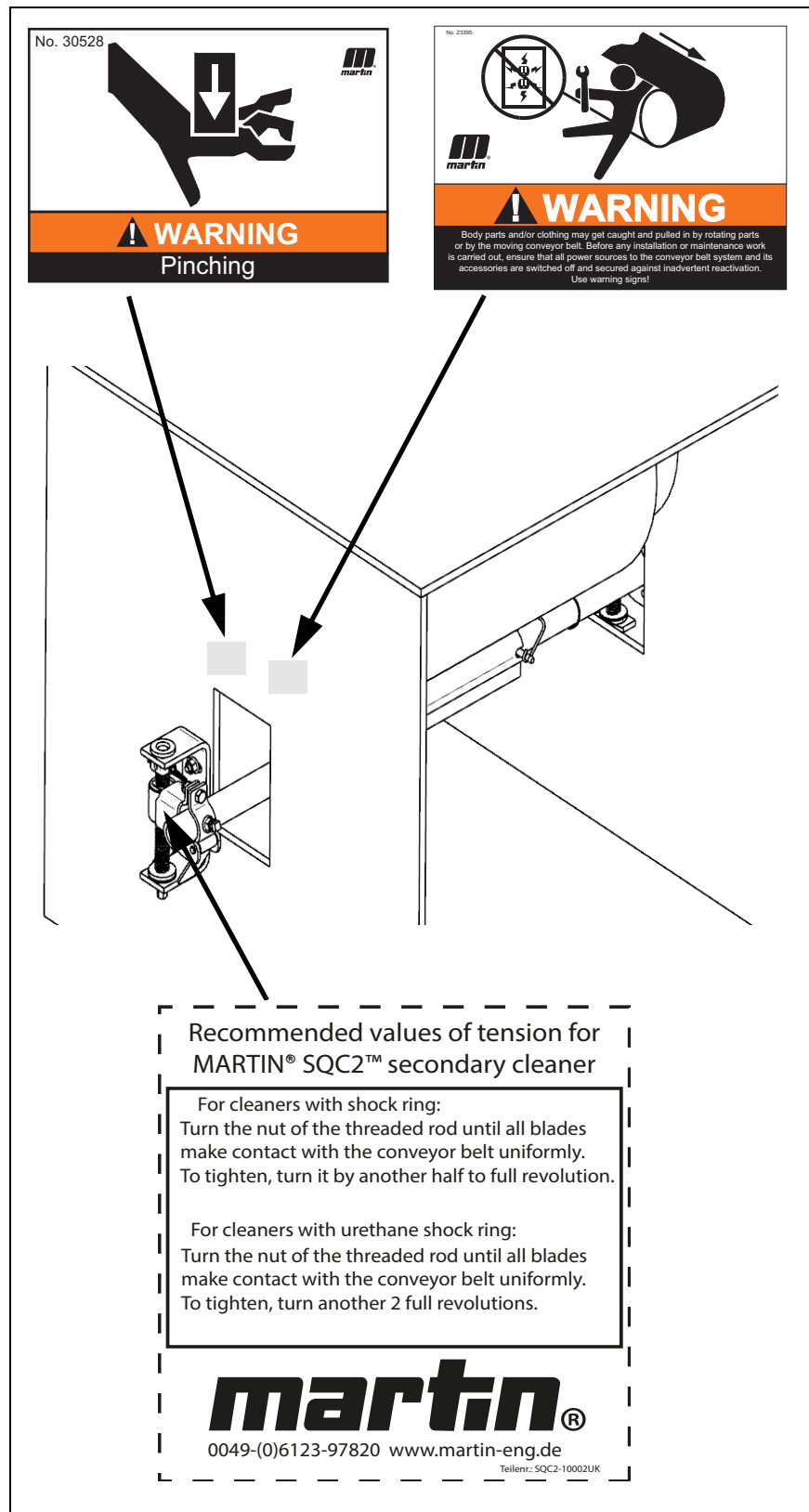


Fig. 27:

6 Maintenance

6.1 Safety information



NOTE

Maintenance inspections must be performed at least once a week. Shorter maintenance intervals may be required depending on the operating conditions.



NOTE

Read this section completely before starting any kind of work.



WARNING RISK OF INJURY!

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

Shut off the power supply to the conveyor system and its accessories and secure it against unauthorised reactivation before performing any maintenance work.

Use warning signs!

6.2 Weekly maintenance

1. Shut off the power supplies of the conveyor belt and any additional equipment and secure them against unauthorised reactivation.
2. Remove all material deposits from the blade and the mainframe.
3. Inspect whether all of the fastening parts are securely tightened. Tighten any loose connections.
4. Check the cleaner tension and re-tighten if necessary.
5. Check the blades for wear, damage and missing parts.

**NOTE**

Take the corresponding parts of the conveyor system out of service if any indications of functional disturbances are noticed. Contact Martin Engineering or one of its representatives for support. Do NOT start up the conveyor system until the cause of the problems has been recognised and eliminated.

**CAUTION RISK OF DAMAGE!**

The SAF-3 blades must not be worn out beyond the wear line; this can cause serious material damage.

Inspect the blades regularly and replace them in a timely manner!

**CAUTION RISK OF DAMAGE!**

The SQC2 blades with tungsten-carbide inserts must not be completely worn out up to their metal edge; this can result in serious damage.

Inspect the blades regularly and replace them in a timely manner!

6. Follow the instructions in Section 5.3 to replace any worn out blades.
7. Clean all the warning labels. Replace illegible warning labels immediately. Warning labels can be purchased from Martin Engineering or a contracted dealer.

**CAUTION FLYING OBJECTS!**

Forgotten tools or installation parts can fall off of the running conveyor belt and cause minor injuries and property damage.

Always remove any tools from the installation site and conveyor belt upon completion of the installation work before switching on the power supply.

8. Remove all tools from the working area.
9. Switch on the conveyor system.

**WARNING RISK OF INJURY!**

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

Do not touch or reach into the conveyor system or its accessories during operation.

**CAUTION RISK OF DAMAGE!**

Never operate the belt cleaner for longer than 15 minutes on the running unloaded conveyor belt. A risk of damage due to overheating exists for the belt cleaner and/or the conveyor belt.

Never operate the belt cleaner unless the conveyor belt is running.

10. Observe the cleaner and check its cleaning performance.

6.3**Replacing the blades****WARNING RISK 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 unauthorised reactivation. Use warning signs!

6.3.1

Replacing the blade cartridge

1. Remove the wire lock pin (7, Fig.25) from the threaded rod (4, Fig.25) of the tensioner.

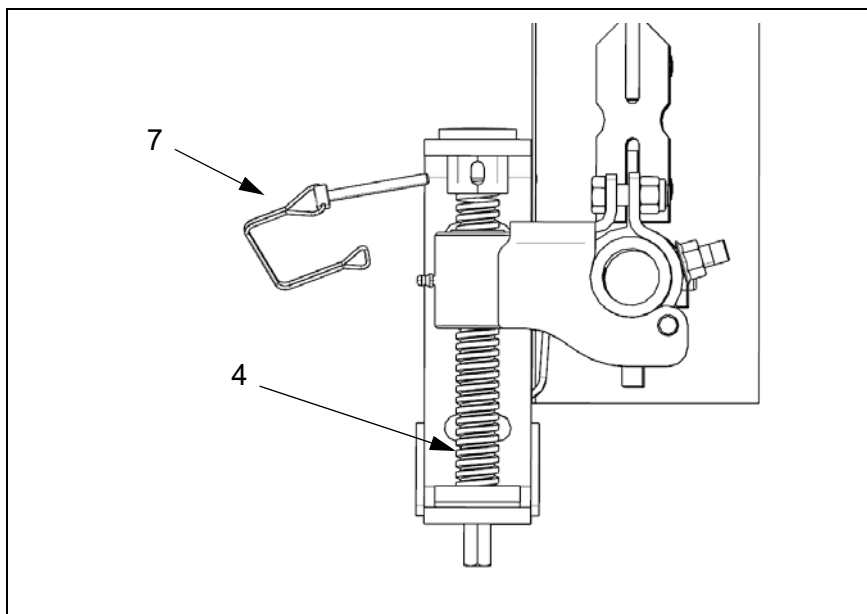


Fig. 28:

2. Slacken the tensioner by turning the lower hexagon of the threaded rod anticlockwise
3. Repeat steps 1 and 2 on the far side.

**NOTE**

The following points apply only for the cleaner with part number 41641.

4. Loosen the square head screw (18, Fig.26) and the hex head screw (16, Fig.26) of the clamp (3, Fig.26) on the operator side.

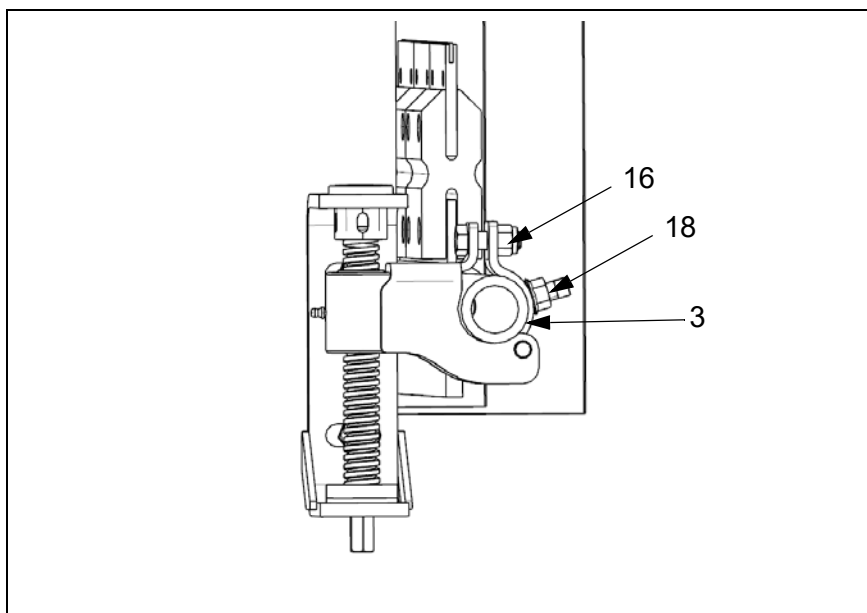


Fig. 29:

5. Remove the locking bolt from the cleaner mainframe.

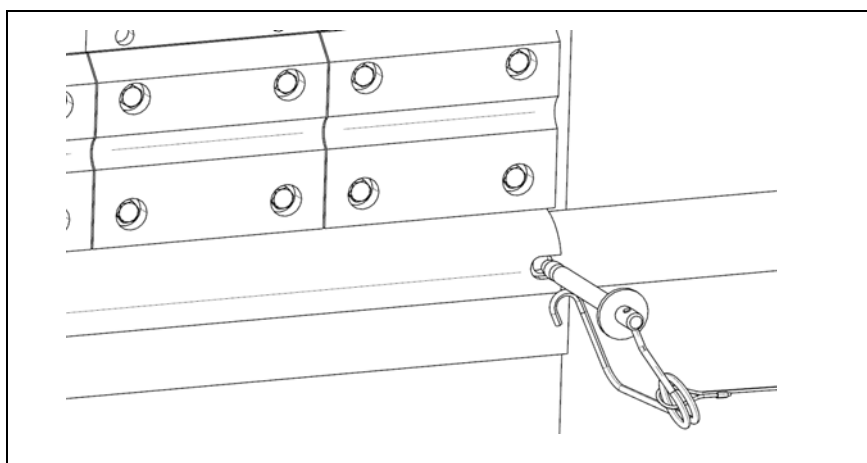


Fig. 30:

6. Remove the blade cartridge from the locking mechanism and the chute.

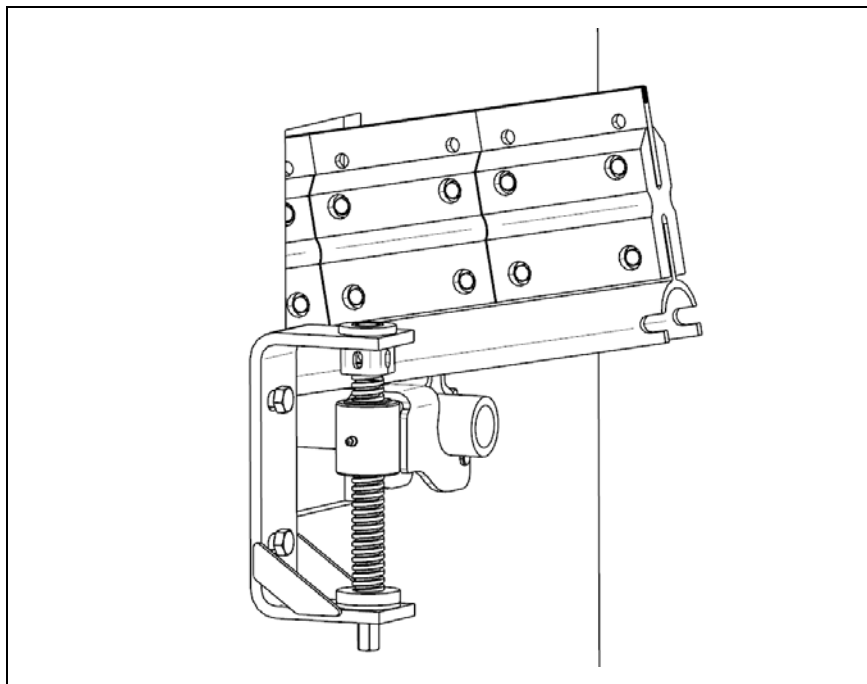


Fig. 31:

7. Insert a new blade cartridge.
8. Inspect the installation as described in Section 5.4.
9. Re-tighten the tensioner.
10. Follow the additional instructions in Section 7.1.

6.3.2

Replacing a single blade

1. Remove the cleaner mainframe.
2. Loosen and remove the lower screw fittings for the specific blade (1, Fig. 32).

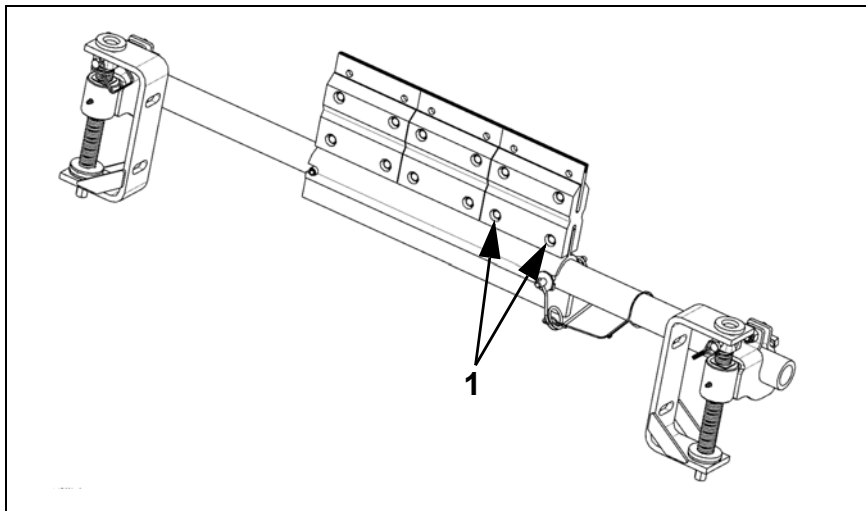


Fig. 32:

3. Repeat step 2 for every additional blade to be replaced.
4. Remove the blade from the cleaner mainframe.
5. Attach a new blade to the cleaner mainframe.
6. Screw the blade to the cleaner mainframe.
7. Then install the cleaner again.

7 Troubleshooting

7.1 Safety information



NOTE

The product is exposed to highly diverse bulk materials and is often used under extreme operating and environmental conditions. Malfunctions other than those listed below can therefore occur. In this case either Martin Engineering or one of its representatives can assist with the positioning or with special solutions. Do not start up the conveyor system again until the fault has been recognised and cleared.

7.2 Troubleshooting

Check the following items if excessively high wear on the blades and/or unsatisfactory cleaning performance are/is noticed following installation:

Symptom	Cause	Remedy
High wear on the blades.	The cleaner is too tightly tensed on the conveyor belt.	Reduce the tension. Tension values - see fig. 22, page 28
Insufficient cleaning performance and material accumulation.	The cleaner is not tensed enough or is tensed too tightly on the conveyor belt.	Increase or reduce the tension.
	The blades are worn.	Inspect the blades and replace if necessary (see "Weekly maintenance").
Unusual pattern of wear or damage to the blade.	Damaged conveyor belt or connection points.	Inspect the conveyor belt's connection points and repair or replace as needed.
	Cleaner installed in the material flow.	Install the pre-cleaner in a different place.
	Different tension values of the In-line-Reversing tensioner.	Check the tension values and possibly re-tighten.
Noises or vibrations.	Cleaner on the conveyor belt too loose or too tightly tensed.	Correct the tension if necessary.
	Blade not correctly aligned with the conveyor belt.	Align blade - see fig. 13 on page 22.

Tab. 11: Troubleshooting

8 Storage, De-installation, Disposal

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 temperatures ranging from +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 De-installation

The de-installation is carried out in the reverse order of the installation (see Section 5.2.2, page 18).

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.

All nationally and internationally applicable disposal regulations are to be complied with when disposing of the product.

9 Part numbers

This section lists the product designations with their associated part numbers for the belt cleaner and its accessories.

Please always indicate the part numbers in every order.

9.1 Explanation of part numbers

SQC2 Secondary cleaner with aluminium tracks

SQC2-aabbccddeef+E	
a	Belt width in inches
b	Blade design
	C: Tungsten-carbide / Structural-steel plate (orange)
	H: Tungsten-carbide / Structural-steel plate (orange)
	R: Tungsten-carbide / Structural-steel plate (orange)
	S: Stainless-steel / stainless-steel plate
c	Cleaning width in inches
d	Blade buffer type
	MR: Standard
	FR: Flame retardant
e	Mainframe options
	P: painted (RAL 2004)
	E: Extended in length - painted (RAL 2004)
	C: Painted - C5M (RAL 2004)
	A4: Stainless steel (1.4571)
	E4: Extended in length - stainless steel (1.4571)
	EC: Extended in length - painted - C5M (RAL 2004)
f	Tensioner options
	Ø: without tensioner
	T: with tensioner
	S: Stainless steel (1.4571)

SQC2 Secondary cleaner with SAF2 blades

SQC2-aabccddeef+E	
a	Belt width in inches
b	Blade design T: TC insert U: Urethane blade
c	Cleaning width in inches
d	Blade colour O3: Orange B3: Brown G3: Green
e	Mainframe options P: painted (RAL 2004) E: Extended in length and painted (RAL 2004) C: Painted - C5M (RAL 2004) C4: Extended in length and painted - C5M (RAL 2004) A4: Stainless steel (1.4571) E4: Extended in length - stainless steel (1.4571)
f	Tensioner options Ø: without tensioner T: with tensioner S: Stainless steel (1.4571)

SQC2 Secondary cleaner without aluminium tracks

41605-aabbccddeef-gg	
a	Belt width in inches
b	Blade design C: Tungsten-carbide / Structural-steel plate (orange) H: Tungsten-carbide / Structural-steel plate (orange) R: Tungsten-carbide / Structural-steel plate (orange) S: Stainless-steel / stainless-steel plate
c	Cleaning width in inches
d	Blade buffer type MR: Standard FR: Flame retardant
e	Mainframe options P: painted (RAL 2004) C: Painted - C5M (RAL 2004) A4: Stainless steel (1.4571)
f	Tensioner options Ø: without tensioner T: with tensioner S: Stainless steel (1.4571)
g	Extended mainframe in dm

SQC2 Secondary cleaner as "Mini" design

41641-aabbccddeef-gg	
a	Belt width in inches
b	Blade design R: Tungsten-carbide / Structural-steel plate (orange) C: Tungsten carbide/stainless steel plate
c	Cleaning width in inches
d	Shockmount type MR: Standard
e	Mainframe options P: painted (RAL 2004) C: Painted - C5M (RAL 2004) A4: Stainless steel (1.4571)
f	Tensioner options Ø: without tensioner T: with tensioner S: Stainless steel (1.4571)
g	Extended mainframe in dm

9.2

SQC2™ tensioner

Description	Part No.
SQC2™ tensioner	SQC2-35701-XX

9.3

SQC2™ blades

Description	Part No.
SQC2™ blade cartridge	SQC2C-XXXXXXXXXX
SQC2™ blade cartridge with SAF2 blade:	SQC2C-XXXXX3XXX
SQC2™ SAF2 blade	38718-XXX
SQC2™ blade	SC-XXX+E
SQC2™ mini blade	SCM-XXX+E

9.4 Inspection doors

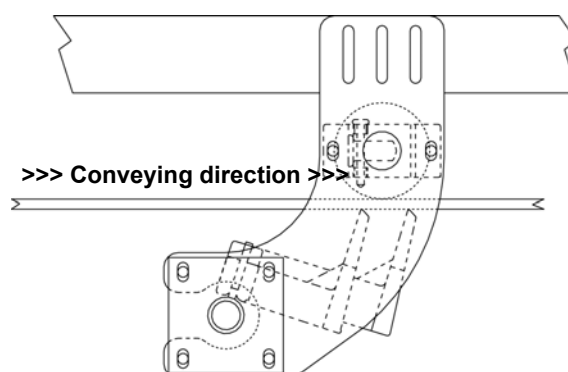
Description	Part No.
Door with rubber cover 229 x 305 mm	CYAR-0912
Steel door 229 x 305 mm	CYA-0912
Door with rubber cover 305 x 356 mm	CYAR-1214
Steel door 305 x 356 mm	CYA-1214
Door with rubber cover 305 x 457 mm	CYAR-1218
Steel door 305 x 457 mm	CYA-1218
Door with rubber cover 457 x 610 mm	CYAR-1824
Steel door 457 x 610 mm	CYA-1824
Door with rubber cover 610 x 610 mm	CYAR-2424
Steel door 610 x 610 mm	CYA-2424

9.5 Installation manuals

Description	Document
Inspection doors	M3127

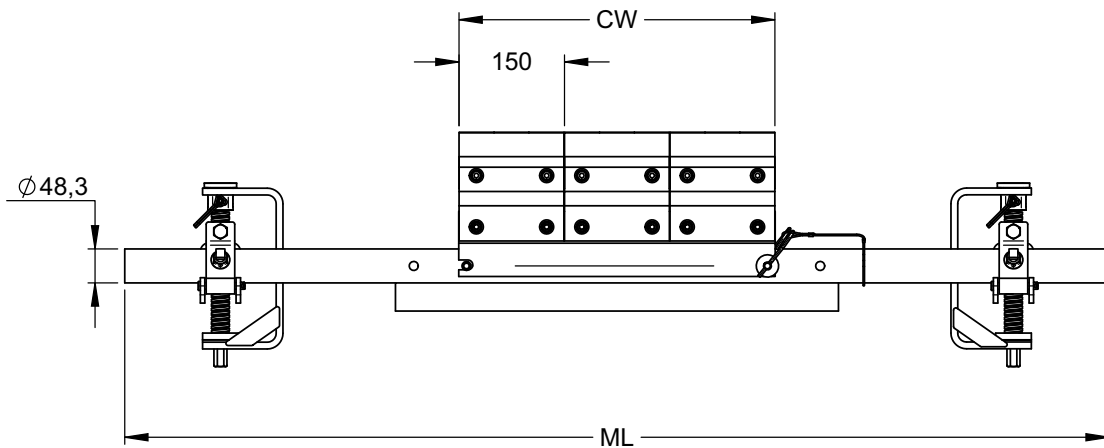
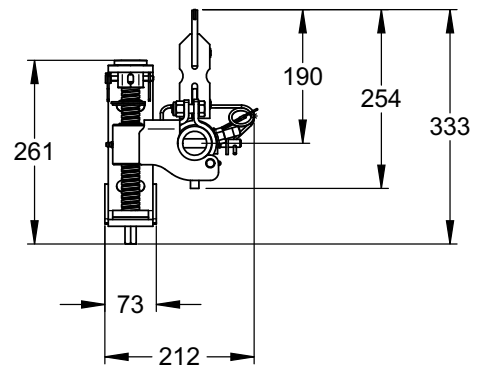
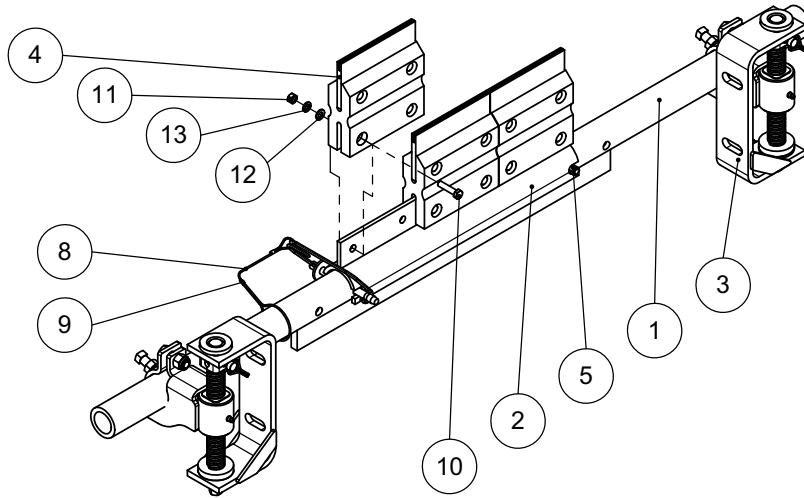
9.6 Various parts

Description	Part No.
Hanger mount (pair): For installing the MARTIN® SQC2™ tensioner on the belt framework instead of a chute wall.	34233-E
Bracket for counter-roller: For belt support above the secondary cleaner The first XX specifies the belt width in inches; the third X the roller type; while the final X is the roll diameter in inches:	32290-XXXX



9.7**Warning labels / Warning tags**

Description	Part No.
Crushing Hazard Warning Label:	30528
Conveyor Products Warning Label:	23395
Label for tension values	SQC2-10002G



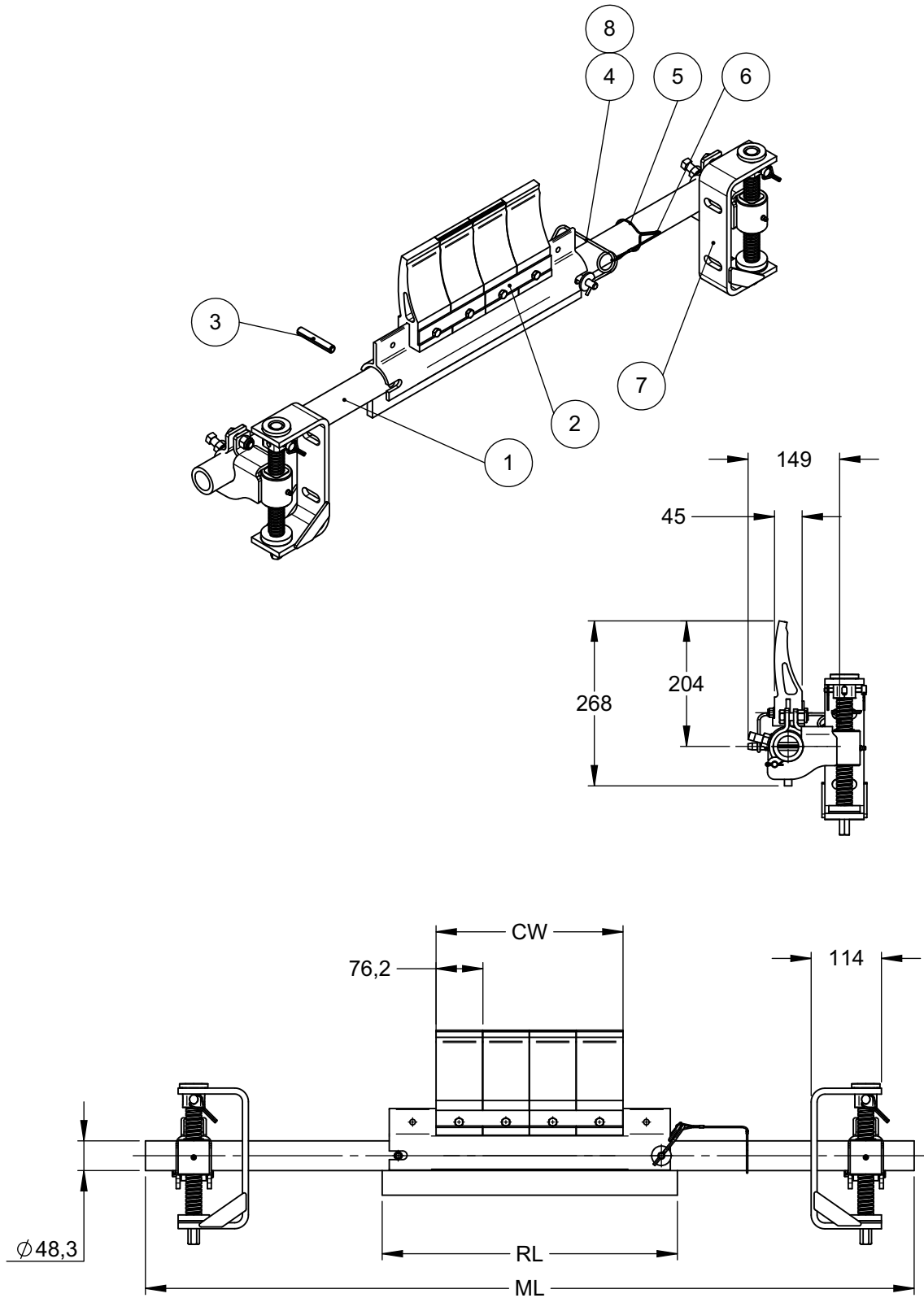
Item / Pos.	Qty. / Anz.	Description / Beschreibung	P/N / Teile-Nr.
1	1	SQC2 mainframe / Abstreiferachse	s.C. / s.T.
2	1	SQC2 blade extrusion / Abstreiferblatthalterung	s.C. / s.T.
3	s.C. / s.T.	SQC2 tensioner / Spannvorrichtung	s.C. / s.T.
4	s.C. / s.T.	SQC2 blade assembly / Blattbaugruppe	s.C. / s.T.
5	1	Spring pin slotted 1/2" / Federstift geschlitz	33840
6	1	Safety pin 7/16" / Sicherungsstift	33841
7	1	Urethane shipping pin / Transportbolzen	35846
8	1	Cable Ø1mm / Kabel	40181
9	2	Cable clip for 1 mm wire / Seilklemme	40182
10	s.C. / s.T.	HHC screw M8 x 35 - DIN 933, (1.4301) / Sechskantschraube	41081-08035BA288
11	s.C. / s.T.	Hex nut M8 - DIN 934, (1.4301) / Sechskantmutter	41086-08BA2
12	s.C. / s.T.	Washer flat M8 - DIN 125 A, (1.4301) / Unterlegscheibe	41088-08AA2
13	s.C. / s.T.	Washer spring M8 - DIN 127, (1.4301) / Federring	41090-08AA2

Part number / Teilenummer	DIM		P/N item / Teilenr. Pos.		Qty. Item / Anzahl Pos.	
	CW	ML	1	2	4	10-13
		Std.*				
SQC2-18X12XXXXX+E	300	1250	SQC2-35694-18XX+E	SQC2-35696-18	2	4
SQC2-18X18XXXXX+E	450	1250	SQC2-35694-18XX+E	SQC2-35696-24	3	6
SQC2-24X18XXXXX+E	450	1400	SQC2-35694-24XX+E	SQC2-35696-24	3	6
SQC2-24X24XXXXX+E	600	1400	SQC2-35694-24XX+E	SQC2-35696-30	4	8
SQC2-30X24XXXXX+E	600	1550	SQC2-35694-30XX+E	SQC2-35696-30	4	8
SQC2-30X30XXXXX+E	750	1550	SQC2-35694-30XX+E	SQC2-35696-36	5	10
SQC2-36X30XXXXX+E	750	1750	SQC2-35694-36XX+E	SQC2-35696-36	5	10
SQC2-36X35XXXXX+E	900	1750	SQC2-35694-36XX+E	SQC2-35696-42	6	12
SQC2-42X35XXXXX+E	900	1900	SQC2-35694-42XX+E	SQC2-35696-42	6	12
SQC2-42X41XXXXX+E	1050	1900	SQC2-35694-42XX+E	SQC2-35696-48	7	14
SQC2-48X41XXXXX+E	1050	2050	SQC2-35694-48XX+E	SQC2-35696-48	7	14
SQC2-48X47XXXXX+E	1200	2050	SQC2-35694-48XX+E	SQC2-35696-54	8	16
SQC2-54X47XXXXX+E	1200	2200	SQC2-35694-54XX+E	SQC2-35696-54	8	16
SQC2-54X53XXXXX+E	1350	2200	SQC2-35694-54XX+E	SQC2-35696-60	9	18
SQC2-60X53XXXXX+E	1350	2350	SQC2-35694-60XX+E	SQC2-35696-60	9	18
SQC2-60X59XXXXX+E	1500	2350	SQC2-35694-60XX+E	SQC2-35696-66	10	20
SQC2-66X59XXXXX+E	1500	2500	SQC2-35694-66XX+E	SQC2-35696-66	10	20
SQC2-66X65XXXXX+E	1650	2500	SQC2-35694-66XX+E	SQC2-35696-72	11	22
SQC2-72X65XXXXX+E	1650	2650	SQC2-35694-72XX+E	SQC2-35696-72	11	22
SQC2-72X71XXXXX+E	1800	2650	SQC2-35694-72XX+E	SQC2-35696-78	12	24
SQC2-78X71XXXXX+E	1800	2800	SQC2-35694-78XX+E	SQC2-35696-78	12	24
SQC2-78X77XXXXX+E	1950	2800	SQC2-35694-78XX+E	SQC2-35696-84	13	26
SQC2-84X77XXXXX+E	1950	2950	SQC2-35694-84XX+E	SQC2-35696-84	13	26
SQC2-84X83XXXXX+E	2100	2950	SQC2-35694-84XX+E	SQC2-35696-90	14	28
SQC2-90X83XXXXX+E	2100	3100	SQC2-35694-90XX+E	SQC2-35696-90	14	28
SQC2-90X89XXXXX+E	2250	3100	SQC2-35694-90XX+E	SQC2-35696-96	15	30
SQC2-96X89XXXXX+E	2250	3250	SQC2-35694-96XX+E	SQC2-35696-96	15	30

* Extended mainframes also available / Verlängerte Achsen auch verfügbar

Part number / Teilenummer	P/N item / Teilenr. Pos.	Qty. / Anz.
	3	
SQC2-XXXXXXXXX+E	-	-
SQC2-XXXXXXXXTX+E	SQC2-35701	1
SQC2-XXXXXXXXSX+E	SQC2-35701-SS	1

Part number / Teilenummer	P/N Item Teile-Nr. Pos.
	4
SQC2-XXCXXXXXXXX+E	SC-XXC+E
SQC2-XXRXXXXXXXX+E	SC-XXR+E
SQC2-XXHXXXXXXXX+E	SC-XXH+E
SQC2-XXSXXXXXXXX+E	SC-XXS+E



NS	Item / Pos.	Qty / Anz.	Description / Beschreibung	P/N / Teile-Nr.
	1	1	SQC2 mainframe / Abstreiferachse	s.C. / s.T.
	2	1	SQC2 cartridge with SAF-2 blades / SQC2 Kartusche mit SAF-2 Abstreiferblättern	s.C. / s.T.
	3	1	Spring pin slotted 1/2" / Federstift geschlitzt	33840
	4	1	Safety pin 7/16" / Sicherungsstift	33841
	5	1	Cable Ø1mm / Kabel	40181
	6	2	Cable clip for 1 mm wire / Seilklemme	40182
	7	s.C. / s.T.	SQC2 tensioner / Spannvorrichtung	s.C. / s.T.
X	8	1	Urethane shipping pin / Transportbolzen	35846

NS = not shown / Nicht dargestellt

* Pos. 8 is only used for transportation and will be replaced by Pos. 4 /
Pos. 8 dient nur zu Transportzwecken und wird gegen Pos. 4 ausgetauscht

Part number / Teilenummer	Part number / Teilenummer	Blade color / Abstreiferblatffarbe	Description / Beschreibung
	2		
SQC2-XXXXXO3XX+E	SQC2C-XXXXXO3XX	Orange / Orange	Standard
SQC2-XXXXXB3XX+E	SQC2C-XXXXXB3XX	Brown / Braun	Chemical resistant / Chemisch beständig
SQC2-XXXXXG3XX+E	SQC2C-XXXXXG3XX	Green / Grün	Temperature resistant / Temperaturbeständig

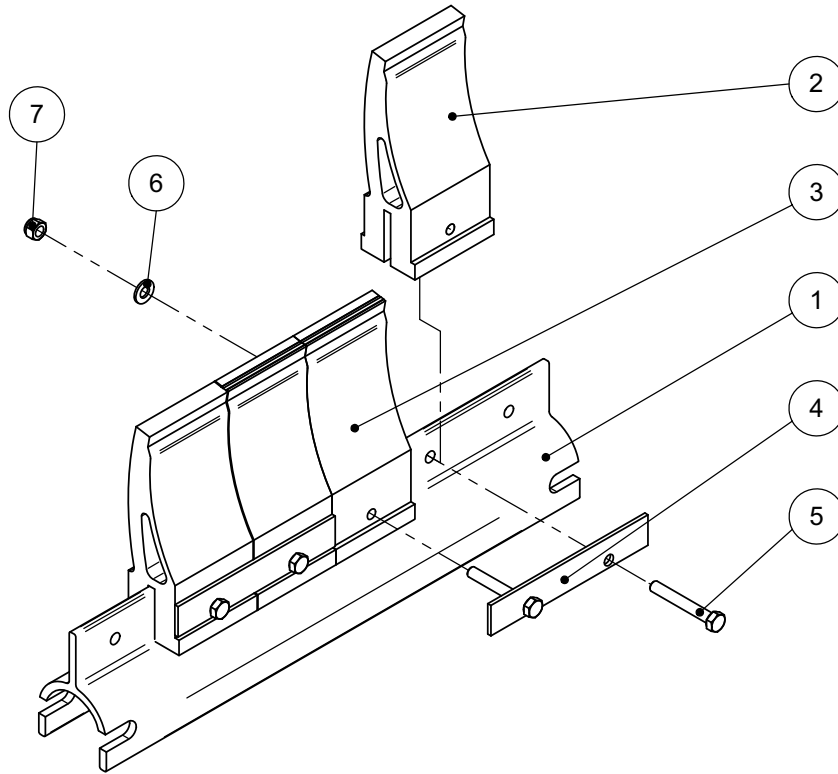
Part number / Teilenummer	Part number / Teilenummer	
	1	
SQC2-XXXXXX3MS+E	SQC2-35694-XXMS+E	
SQC2-XXXXXX3A4+E	SQC2-35694-XXA4+E	
Part number / Teilenummer	Part number / Teilenummer	
	2	
SQC2-XXUXXX3XX+E	SQC2C-XXUXX3XX	
SQC2-XTXXX3XX+E	SQC2C-XTXX3XX	
Part number / Teilenummer	Part number / Teilenummer	Qty. / Anz.
	7	7
SQC2-XXXXXX3XX+E	-	-
SQC2-XXXXXX3XT+E	SQC2-35701	1
SQC2-XXXXXX3XS+E	SQC2-35701-SS	1

Part number / Teilenummer	DIM					Part number / Teilenummer	
	CW		ML		RL	1*	2*
	[Inch]	[mm]	Std.	Ext.			
SQC2-18X12X3XXX+E	12	305	1250	1900	480	SQC2-35694-18XX+E	SQC2C-18X12X3XX
SQC2-18X18X3XXX+E	18	457	1250	1900	480	SQC2-35694-18XX+E	SQC2C-18X18X3XX
SQC2-24X18X3XXX+E	18	457	1400	2100	630	SQC2-35694-24XX+E	SQC2C-24X18X3XX
SQC2-24X24X3XXX+E	24	610	1400	2100	630	SQC2-35694-24XX+E	SQC2C-24X24X3XX
SQC2-30X24X3XXX+E	24	610	1550	2200	780	SQC2-35694-30XX+E	SQC2C-30X24X3XX
SQC2-30X30X3XXX+E	30	762	1550	2200	780	SQC2-35694-30XX+E	SQC2C-30X30X3XX
SQC2-36X30X3XXX+E	30	762	1750	2400	930	SQC2-35694-36XX+E	SQC2C-36X30X3XX
SQC2-36X36X3XXX+E	36	914	1750	2400	930	SQC2-35694-36XX+E	SQC2C-36X36X3XX
SQC2-42X36X3XXX+E	36	914	1900	2500	1080	SQC2-35694-42XX+E	SQC2C-42X36X3XX
SQC2-42X42X3XXX+E	42	1067	1900	2500	1080	SQC2-35694-42XX+E	SQC2C-42X42X3XX
SQC2-48X42X3XXX+E	42	1067	2050	2700	1230	SQC2-35694-48XX+E	SQC2C-48X42X3XX
SQC2-48X48X3XXX+E	48	1219	2050	2700	1230	SQC2-35694-48XX+E	SQC2C-48X48X3XX
SQC2-54X48X3XXX+E	48	1219	2200	2800	1380	SQC2-35694-54XX+E	SQC2C-54X48X3XX
SQC2-54X54X3XXX+E	54	1372	2200	2800	1380	SQC2-35694-54XX+E	SQC2C-54X54X3XX
SQC2-60X54X3XXX+E	54	1372	2350	3000	1530	SQC2-35694-60XX+E	SQC2C-60X54X3XX
SQC2-60X60X3XXX+E	60	1524	2350	3000	1530	SQC2-35694-60XX+E	SQC2C-60X60X3XX
SQC2-66X60X3XXX+E	60	1524	2500	3100	1680	SQC2-35694-66XX+E	SQC2C-66X60X3XX
SQC2-66X66X3XXX+E	66	1676	2500	3100	1680	SQC2-35694-66XX+E	SQC2C-66X66X3XX
SQC2-72X66X3XXX+E	66	1676	2650	3300	1830	SQC2-35694-72XX+E	SQC2C-72X66X3XX
SQC2-72X72X3XXX+E	72	1829	2650	3300	1830	SQC2-35694-72XX+E	SQC2C-72X72X3XX
SQC2-78X72X3XXX+E	72	1829	2650	3300	1830	SQC2-35694-78XX+E	SQC2C-78X72X3XX
SQC2-78X78X3XXX+E	78	1981	2800	3500	1980	SQC2-35694-78XX+E	SQC2C-78X78X3XX
SQC2-84X72X3XXX+E	78	1981	2950	3600	2130	SQC2-35694-84XX+E	SQC2C-84X78X3XX
SQC2-84X84X3XXX+E	84	2134	2950	3600	2130	SQC2-35694-84XX+E	SQC2C-84X84X3XX
SQC2-90X84X3XXX+E	84	2134	3100	3700	2280	SQC2-35694-90XX+E	SQC2C-90X84X3XX
SQC2-90X90X3XXX+E	90	2286	3100	3700	2280	SQC2-35694-90XX+E	SQC2C-90X90X3XX
SQC2-96X90X3XXX+E	90	2286	3250	3900	2430	SQC2-35694-96XX+E	SQC2C-96X90X3XX
SQC2-96X96X3XXX+E	96	2438	3250	3900	2430	SQC2-35694-96XX+E	SQC2C-96X96X3XX

* see drawing for part number index / siehe Zeichnung für Teilenummererklärung

9.10

SQC2™ cartridge with SAF2 blades

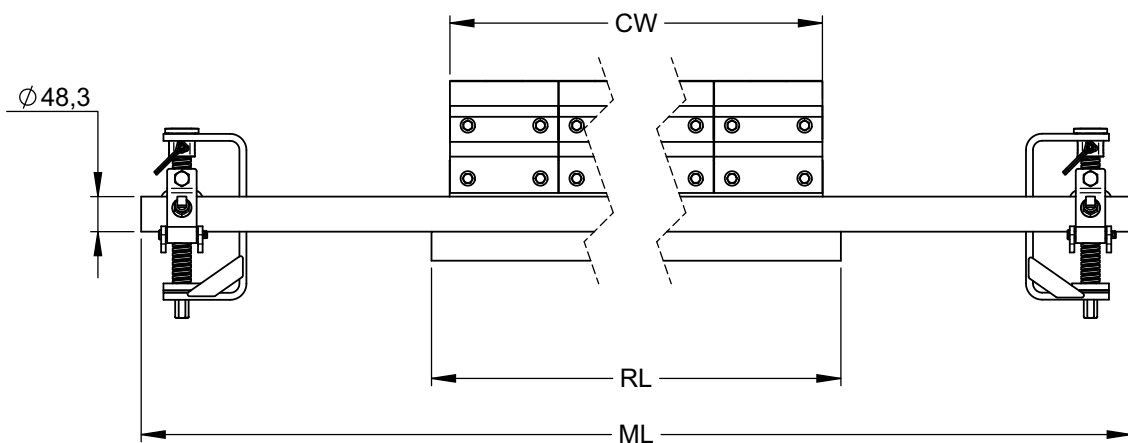
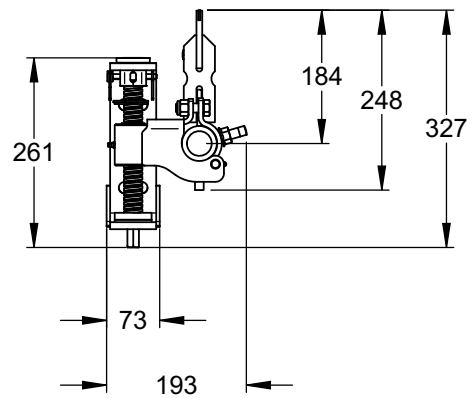
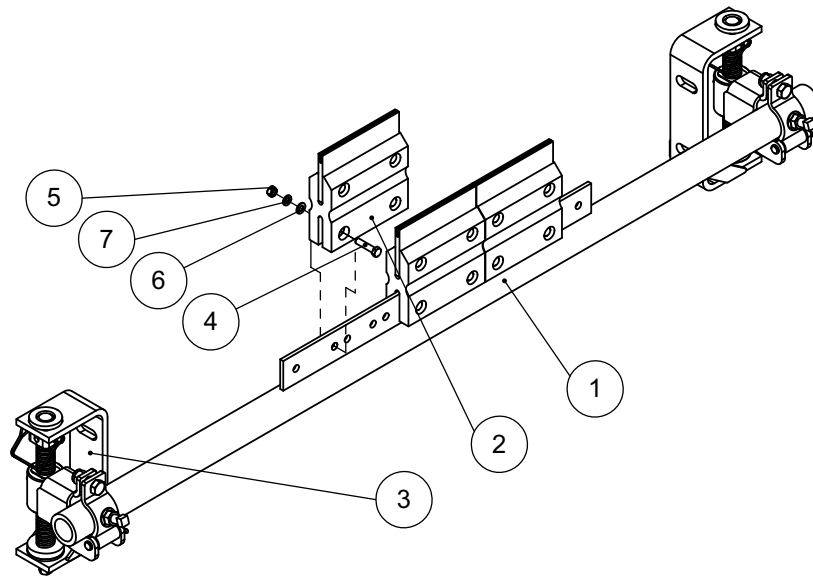


Item / Pos.	Qty. / Anz.	Description / Beschreibung	P/N / Teile-Nr.
1	1	SQC2 extrusion for 3" SAF-blades / SQC2 Kartusche für 3" SAF-Abstreiferblätter	s.C. / s.T.
2	s.C. / s.T.	SQC2S 3"-SAF blade / SQC2S 3"-SAF Abstreiferblatt	38718-UXX
3	s.C. / s.T.	SQC2S 3"-SAF blade w/TC-insert / SQC2S 3"-SAF Abstreiferblatt mit Hartmetalleinsatz	38718-TXX
4	s.C. / s.T.	Blade backing plate / Abstreiferbefestigungsplatte	38280
5	s.C. / s.T.	Screw HHC 5/16" x 2-1/4" / Sechskantkopfschraube	38040
6	s.C. / s.T.	Washer flat 5/16" / Unterlegscheibe	37724
7	s.C. / s.T.	Nut hex elastic lock 5/16" / Selbstsicherende Sechskantkopfmutter	33054

Part no. / Teilnr.	P/N Item / Teile-Nr. Pos.	Qty. Item / Anz. Pos.			
	1	2	3	4	5,6,7
SQC2C-18U12X3XX	SQC2-35696-183	4	0	2	4
SQC2C-18U18X3XX	SQC2-35696-183	6	0	3	6
SQC2C-24U18X3XX	SQC2-35696-243	6	0	3	6
SQC2C-24U24X3XX	SQC2-35696-243	8	0	4	8
SQC2C-30U24X3XX	SQC2-35696-303	8	0	4	8
SQC2C-30U30X3XX	SQC2-35696-303	10	0	5	10
SQC2C-36U30X3XX	SQC2-35696-363	10	0	5	10
SQC2C-36U36X3XX	SQC2-35696-363	12	0	6	12
SQC2C-42U36X3XX	SQC2-35696-423	12	0	6	12
SQC2C-42U42X3XX	SQC2-35696-423	14	0	7	14
SQC2C-48U42X3XX	SQC2-35696-483	14	0	7	14
SQC2C-48U48X3XX	SQC2-35696-483	16	0	8	16
SQC2C-54U48X3XX	SQC2-35696-543	16	0	8	16
SQC2C-54U54X3XX	SQC2-35696-543	18	0	9	18
SQC2C-60U54X3XX	SQC2-35696-603	18	0	9	18
SQC2C-60U60X3XX	SQC2-35696-603	20	0	10	20
SQC2C-66U60X3XX	SQC2-35696-663	20	0	10	20
SQC2C-66U66X3XX	SQC2-35696-663	22	0	11	22
SQC2C-72U66X3XX	SQC2-35696-723	22	0	11	22
SQC2C-72U72X3XX	SQC2-35696-723	24	0	12	24
SQC2C-78U72X3XX	SQC2-35696-783	24	0	12	24
SQC2C-78U78X3XX	SQC2-35696-783	26	0	13	26
SQC2C-84U78X3XX	SQC2-35696-843	26	0	13	26
SQC2C-84U84X3XX	SQC2-35696-843	28	0	14	28
SQC2C-90U84X3XX	SQC2-35696-903	28	0	14	28
SQC2C-90U90X3XX	SQC2-35696-903	30	0	15	30
SQC2C-96U90X3XX	SQC2-35696-963	30	0	15	30
SQC2C-96U96X3XX	SQC2-35696-963	32	0	16	32

Part no. / Teilenr.	P/N Item / Teile-Nr. Pos.	Qty. Item / Anz. Pos.			
	1	2	3	4	5,6,7
SQC2C-18T12X3XX	SQC2-35696-183	2	2	2	4
SQC2C-18T18X3XX	SQC2-35696-183	2	4	3	6
SQC2C-24T18X3XX	SQC2-35696-243	2	4	3	6
SQC2C-24T24X3XX	SQC2-35696-243	2	6	4	8
SQC2C-30T24X3XX	SQC2-35696-303	2	6	4	8
SQC2C-30T30X3XX	SQC2-35696-303	2	8	5	10
SQC2C-36T30X3XX	SQC2-35696-363	2	8	5	10
SQC2C-36T36X3XX	SQC2-35696-363	2	10	6	12
SQC2C-42T36X3XX	SQC2-35696-423	2	10	6	12
SQC2C-42T42X3XX	SQC2-35696-423	2	12	7	14
SQC2C-48T42X3XX	SQC2-35696-483	2	12	7	14
SQC2C-48T48X3XX	SQC2-35696-483	2	14	8	16
SQC2C-54T48X3XX	SQC2-35696-543	2	14	8	16
SQC2C-54T54X3XX	SQC2-35696-543	2	16	9	18
SQC2C-60T54X3XX	SQC2-35696-603	2	16	9	18
SQC2C-60T60X3XX	SQC2-35696-603	2	18	10	20
SQC2C-66T60X3XX	SQC2-35696-663	2	18	10	20
SQC2C-66T66X3XX	SQC2-35696-663	2	20	11	22
SQC2C-72T66X3XX	SQC2-35696-723	2	20	11	22
SQC2C-72T72X3XX	SQC2-35696-723	2	22	12	24
SQC2C-78T72X3XX	SQC2-35696-783	2	22	12	24
SQC2C-78T78X3XX	SQC2-35696-783	2	24	13	26
SQC2C-84T78X3XX	SQC2-35696-843	2	24	13	26
SQC2C-84T84X3XX	SQC2-35696-843	2	26	14	28
SQC2C-90T84X3XX	SQC2-35696-903	2	26	14	28
SQC2C-90T90X3XX	SQC2-35696-903	2	28	15	30
SQC2C-96T90X3XX	SQC2-35696-963	2	28	15	30
SQC2C-96T96X3XX	SQC2-35696-963	2	30	16	32

Part no. / Teile-Nr.	Part no. Item / Teilenr. Pos.		Urethane color / Urethanfarbe
	2	3	
SQC2C-XXTXXO3XX	38718-UOR	38718-TOR	Orange / Orange
SQC2C-XXTXXB3XX	38718-UBR	38718-TBR	Brown / Braun
SQC2C-XXTXXG3XX	38718-UGR	38718-TGR	Green / Grün
SQC2C-XXUXXO3XX	38718-UOR	-	Orange / Orange
SQC2C-XXUXXB3XX	38718-UBR	-	Brown / Braun
SQC2C-XXUXXG3XX	38718-UGR	-	Green / Grün



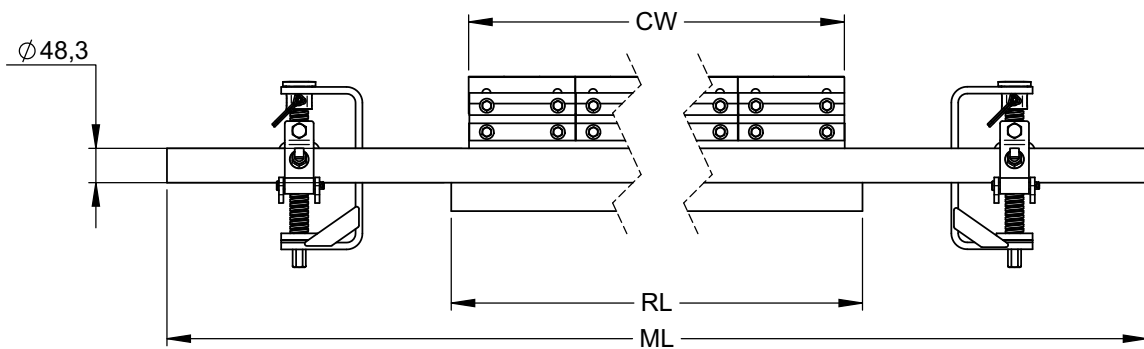
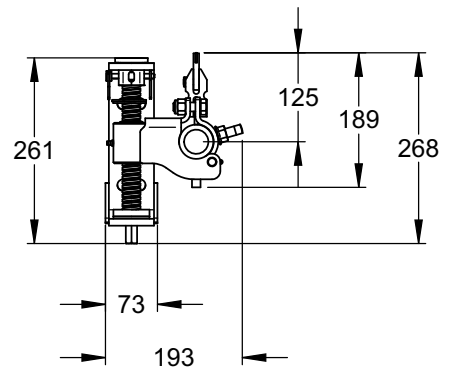
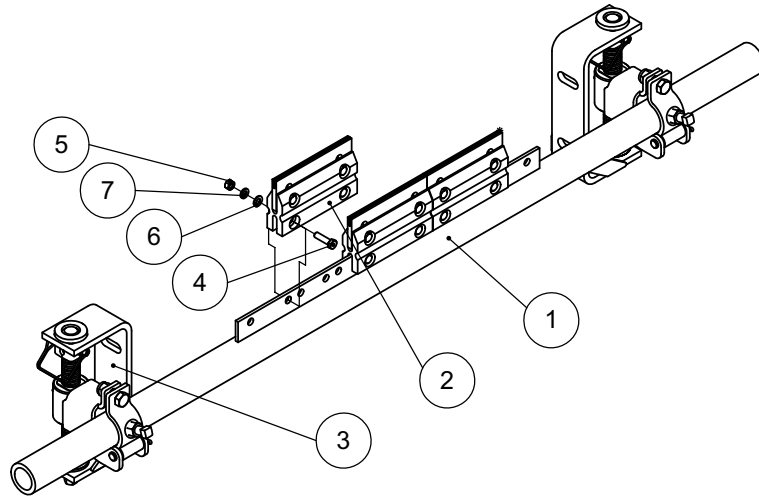
Item / Pos.	Qty. / Anz.	Description / Beschreibung	P/N / Teile-Nr.
1	1	SQC2 mainframe / Hauptachse	s.C. / s.T.
2	s.C. / s.T.	SQC2 blade assembly / Blattbaugruppe	s.c. / s.T.
3	s.C. / s.T.	SQC2 tensioner / Spannvorrichtung	s.c. / s.T.
4	s.C. / s.T.	HHC screw M8 x 35 - DIN 933, (1.4301) / Sechskantschraube	41081-08035BA288
5	s.C. / s.T.	Hex nut M8 - DIN 934, (1.4301) / Sechskantmutter	41086-08BA2
6	s.C. / s.T.	Washer flat M8 - DIN 125 A, (1.4301) / Unterlegscheibe	41088-08AA2
7	s.C. / s.T.	Washer spring M8 - DIN 127, (1.4301) / Federring	41090-08AA2

Part number / Teilenummer	DIM			P/N Item / Teilenr. Pos.	Qty. Item / Anzahl Pos.	
	CW	ML	RL		1	2
		Std. *	Std. *			
41605-18X12XXXXX	300	1300	-	41667-18XX	2	4
41605-18X18XXXXX	450	1300	-	41667-18XX	3	6
41605-24X18XXXXX	450	1450	-	41667-24XX	3	6
41605-24X24XXXXX	600	1450	-	41667-24XX	4	8
41605-30X24XXXXX	600	1600	-	41667-30XX	4	8
41605-30X30XXXXX	750	1600	-	41667-30XX	5	10
41605-36X30XXXXX	750	1750	-	41667-36XX	5	10
41605-36X35XXXXX	900	1750	-	41667-36XX	6	12
41605-42X35XXXXX	900	1900	-	41667-42XX	6	12
41605-42X41XXXXX	1050	1900	-	41667-42XX	7	14
41605-48X41XXXXX	1050	2050	1250	41667-48XX	7	14
41605-48X47XXXXX	1200	2050	1250	41667-48XX	8	16
41605-54X47XXXXX	1200	2200	1400	41667-54XX	8	16
41605-54X53XXXXX	1350	2200	1400	41667-54XX	9	18
41605-60X53XXXXX	1350	2350	1550	41667-60XX	9	18
41605-60X59XXXXX	1500	2350	1550	41667-60XX	10	20
41605-66X59XXXXX	1500	2500	1700	41667-66XX	10	20
41605-66X65XXXXX	1650	2500	1700	41667-66XX	11	22
41605-72X65XXXXX	1650	2650	1850	41667-72XX	11	22
41605-72X71XXXXX	1800	2650	1850	41667-72XX	12	24
41605-78X71XXXXX	1800	2800	2000	41667-78XX	12	24
41605-78X77XXXXX	1950	2800	2000	41667-78XX	13	26
41605-84X77XXXXX	1950	2950	2150	41667-84XX	13	26
41605-84X83XXXXX	2100	2950	2150	41667-84XX	14	28
41605-90X83XXXXX	2100	3100	2300	41667-90XX	14	28
41605-90X89XXXXX	2250	3100	2300	41667-90XX	15	30
41605-96X89XXXXX	2250	3250	2450	41667-96XX	15	30
41605-102X96XXXXX	2400	3400	2600	41667-102XX	16	32
41605-108X100XXXXX	2550	3550	2750	41667-108XX	17	34
41605-114X106XXXXX	2700	3700	2900	41667-114XX	18	36
41605-120X112XXXXX	2850	3850	3050	41667-120XX	19	38

* Extended mainframes also available / Verlängerte Achsen auch verfügbar

Part number / Teilenummer	P/N item / Teilenr. Pos.	Qty. / Anz.
	3	
41605-XXXXXXXXXX	-	-
41605-XXXXXXXXTX	SQC2-35701	1
41605-XXXXXXXXSX	SQC2-35701-SS	1

Part number / Teilenummer	P/N Item / Teile-Nr. Pos.
	2
41605-XXCXXXXXXXX+E	SC-XXC+E
41605-XXRXXXXXXXX+E	SC-XXR+E
41605-XXHXXXXXXXX+E	SC-XXH+E
41605-XXSXXXXXXXX+E	SC-XXS+E



Item / Pos.	Qty. / Anz.	Description / Beschreibung	P/N / Teile-Nr.
1	1	SQC2 Mini Mainframe / Hauptachse	s.c. / s.T.
2	s.C. / s.T.	SQC2 Mini blade / Miniblatt	s.c. / s.T.
3	s.C. / s.T.	SQC2 tensioner / Spannvorrichtung	s.c. / s.T.
4	s.C. / s.T.	HHC screw M8 x 30 - DIN 933, (1.4301) / Sechskantschraube	41081-08030BA288
5	s.C. / s.T.	Hex nut M8 - DIN 934, (1.4301) / Sechskantmutter	41086-08BA2
6	s.C. / s.T.	Washer flat M8 - DIN 125 A, (1.4301) / Unterlegscheibe	41088-08AA2
7	s.C. / s.T.	Washer spring M8 - DIN 127, (1.4301) / Federring	41090-08AA2

Part number / Teilenummer	DIM			P/N Item / Teilenr. Pos.	Qty. Item / Anzahl Pos.	
	CW	ML	RL		2	4-7
		Std.*	Std.*	1		
41641-18X12XXXXXX	300	1300	-	41642-18XX	2	4
41641-18X18XXXXXX	450	1300	-	41642-18XX	3	6
41641-24X18XXXXXX	450	1450	-	41642-24XX	3	6
41641-24X24XXXXXX	600	1450	-	41642-24XX	4	8
41641-30X24XXXXXX	600	1600	-	41642-30XX	4	8
41641-30X30XXXXXX	750	1600	-	41642-30XX	5	10
41641-36X30XXXXXX	750	1750	-	41642-36XX	5	10
41641-36X35XXXXXX	900	1750	-	41642-36XX	6	12
41641-42X35XXXXXX	900	1900	-	41642-42XX	6	12
41641-42X41XXXXXX	1050	1900	-	41642-42XX	7	14
41641-48X41XXXXXX	1050	2050	1250	41642-48XX	7	14
41641-48X47XXXXXX	1200	2050	1250	41642-48XX	8	16
41641-54X47XXXXXX	1200	2200	1400	41642-54XX	8	16
41641-54X53XXXXXX	1350	2200	1400	41642-54XX	9	18
41641-60X53XXXXXX	1350	2350	1550	41642-60XX	9	18
41641-60X59XXXXXX	1500	2350	1550	41642-60XX	10	20
41641-66X59XXXXXX	1500	2500	1700	41642-66XX	10	20
41641-66x65XXXXXX	1650	2500	1700	41642-66XX	11	22
41641-72X65XXXXXX	1650	2650	1850	41642-72XX	11	22
41641-72X71XXXXXX	1800	2650	1850	41642-72XX	12	24
41641-78X71XXXXXX	1800	2800	2000	41642-78XX	12	24
41641-78X77XXXXXX	1950	2800	2000	41642-78XX	13	26
41641-84X77XXXXXX	1950	2950	2150	41642-84XX	13	26
41641-84X83XXXXXX	2100	2950	2150	41642-84XX	14	28
41641-90X83XXXXXX	2100	3100	2300	41642-90XX	14	28
41641-90X89XXXXXX	2250	3100	2300	41642-90XX	15	30
41641-96X89XXXXXX	2250	3250	2450	41642-96XX	15	30
41641-102X96XXXXXX	2400	3400	2600	41642-102XX	16	32
41641-108X100XXXXXX	2550	3550	2750	41642-108XX	17	34
41641-114X106XXXXXX	2700	3700	2900	41642-114XX	18	36
41641-120X112XXXXXX	2850	3850	3050	41642-120XX	19	38

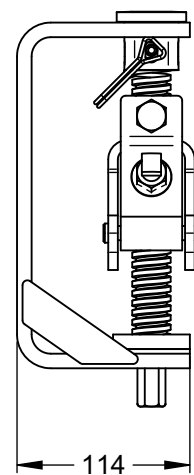
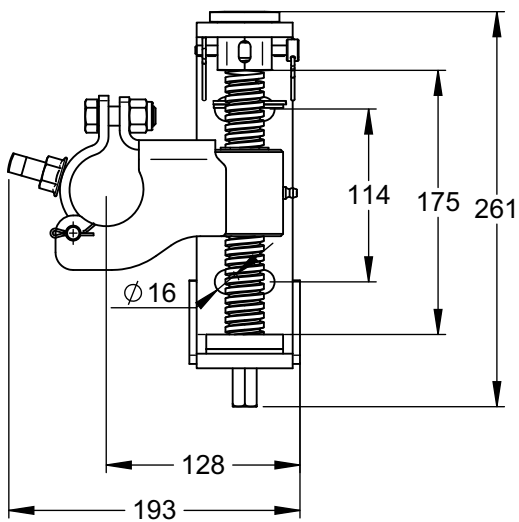
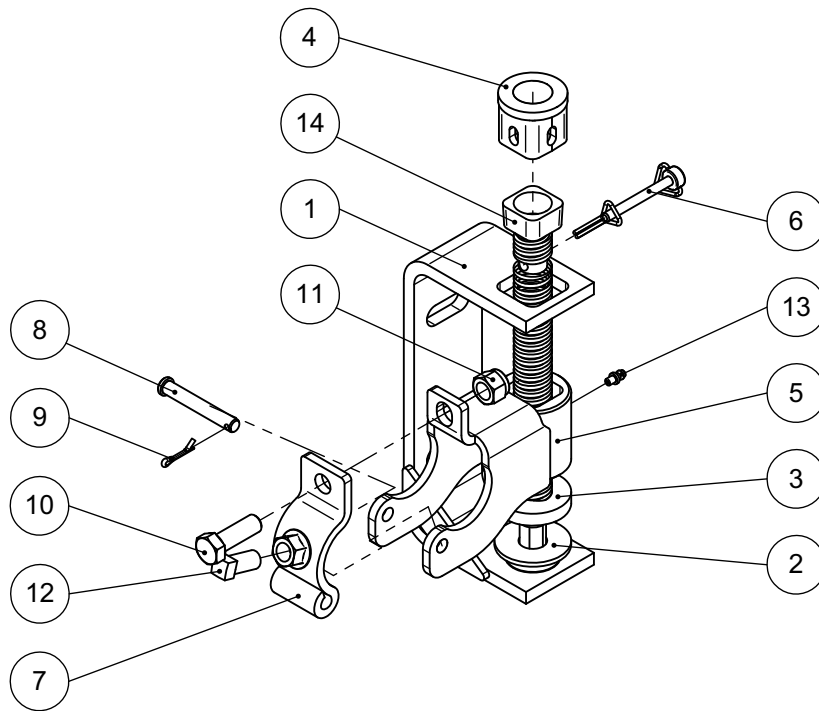
* Extended mainframes also available / Verlängerte Achsen auch verfügbar

Part number / Teilenummer	P/N Item Teile-Nr. Pos.
	2
41641-XXRXXMRXXX	SCM-MRR+E
41641-XXCXXMRXXX	SCM-MRC+E

Part number / Teilenummer	P/N item / Teilenr. Pos.	Qty. / Anz.
	3	
41642-XXXXXXXXXX	-	-
41642-XXXXXXXXTX	SQC2-35701	1
41642-XXXXXXXXSX	SQC2-35701-SS	1

9.13

SQC2™ tensioner



Item / Pos.	Qty / Anz.	Description / Beschreibung	P/N / Teile-Nr.
1	1	Mount bracket / Installationskonsole	35672
2	1	Bottom bushing / Untere Lagerbuchse	35674
3	1	Tension rod / Gewindestange	35682
4	1	Top bushing / Obere Lagerbuchse	35683
5	1	Formed arm / Haltearm	38063
6	1	Wire lock pin / Drahtstiftverschluss	35685
7	1	Formed hinge clamp / Klemmschelle	35677
8	1	Clevis pin 3/8 x 2-1/2 / Lastösenbolzen	35687
9	1	Cotter pin 1/8 x 3/4 / Splint	31297
10	1	HHC screw 1/2 x 1-1/2 / Sechskantkopfschraube	11763
11	1	Nut hex elastic lock 1/2" / Selbstsichernde Sechskantmutter	18577
12	1	SHS screw 1/2 x 1 / Vierkantkopfschraube	22763-03
13	1	Grease drive in fitting 3/16 / Schmiernippel	38584
14	1	Pivot block insert / Gelenkblockeinsatz	35684



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

We, Martin Engineering,

In der Rehbach 14

Tel.: +49 6123-97820

D-65396 Walluf

Fax: +49 6123-75533

herewith declare that the product named in the following

Product designation:

Conveyor belt cleaner

of make / type:

Martin[®] SQC2[™] Secondary Cleaner

with serial number:

not required

meets the following requirements:

Machinery Directive 2006/42/EC

DIN EN 618 - Equipment and systems for bulk materials

The following harmonised standards in particular were applied:

DIN EN ISO 12100 Safety of Machinery

Notified body:

not required

The installation instructions belonging to the product and the technical documentation are enclosed with the product in their original version.

The commissioning of this product is prohibited until it has been determined that the system in which it is to be installed meets the requirements of versions 98/37/EC and 2006/42/EC of the EC Directive.

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

