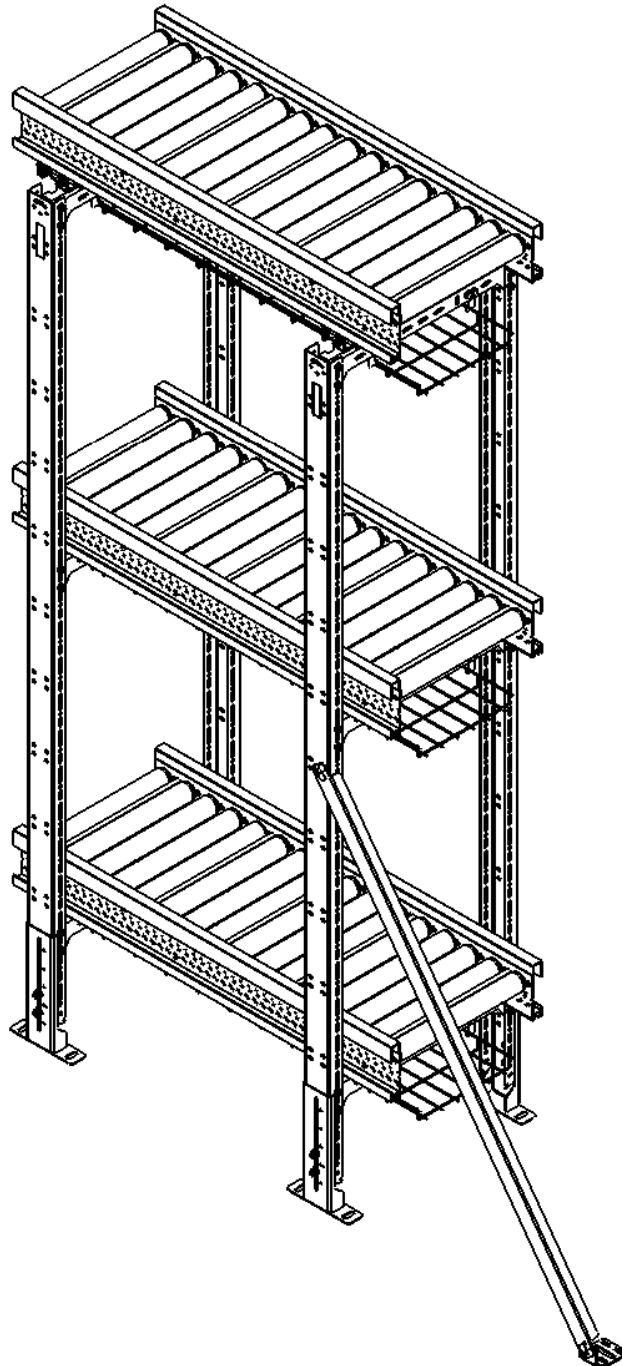


Assembly Instructions

ERS 69 Steel Supports



Content:

ERS 69 Steel Supports
ERS 69 Diagonal Struts
ERS 69 Cable Tray

Assembly Instructions **ERS 69 Steel Supports**

Manufacturer

Swisslog GmbH
Martin-Schmeißer-Weg 6-8
44227 Dortmund
Germany
Tel. +49 231 75895 00
www.swisslog.com
logistics@swisslog.com

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1 General Safety Instruction

1.1 Target group






This documentation is aimed at users with the following knowledge and skills:

- Advanced knowledge of mechanical engineering
- Advanced knowledge of electrical engineering


1.2 Representation of warnings and use

| | |
|---|---|
|  | Caution For your personal safety please precisely observe the working and operating procedures |
|  | Warning Observe all instructions and procedures, in order to maintain your plant in working condition. |
|  | Note In order to keep the machine in working order, observe precisely all technical requirements for appropriate handling of the machine. |
|  | Additional information Helps you to make optimum use of all the functions on your machine. |



1.3 Requirements and Conditions

| | |
|---|--|
|  | <p>Supplement to the documentation</p> <ul style="list-style-type: none"> - Generally applicable and local rules for accident prevention. - Law on staff protection. - Regulations on the protection of the environment. |
|  | <p>Qualification of staff</p> <ul style="list-style-type: none"> - You have the required training. - You are thoroughly familiar with the use of the plant. - You are familiar with the documentation contents. |
|  | <p>Safe operation</p> <ul style="list-style-type: none"> - There are no persons or obstacles in the danger areas. - Shut down operation at once when there is a threat of danger. - Regular inspection and maintenance keeps your plant ready for use. - Immediately rectify any defects or damage which occurs. - Ensure all use is for the purpose intended. - Protective equipment is fitted professionally and is fully functional. - Safety and danger notices must be fully legible. |
|  | <p>Explanation of terminology</p> <p>Maintenance: Measures for upkeep and repairs of the projected status and also determining and assessing the actual status of the technical devices of a system. The measures comprise:</p> <ul style="list-style-type: none"> - Inspection - Servicing - Repairs |
|  | <p>Safe maintenance</p> <ul style="list-style-type: none"> - Access to the plant is forbidden for all unauthorized persons. - You are thoroughly aware of all sources of danger. - You have switched off the main switch and secured it against being switched on again. - You access the plant only at those points designed for access. - Never ignore or fail to use safety equipment. - Always observe the safety notices. |

Assembly Instructions **ERS 69 Steel Supports**




| | |
|---|--|
|  | <p>Correct maintenance</p> <ul style="list-style-type: none"> - Appropriately trained maintenance staff. - You are familiar with the maintenance measures. - You have completed the tests required within the time period laid down. - You use suitable tools. - Immediately rectify any defects or damage which occurs. |
|---|--|

1.3.1 Special safety devices

| | |
|---|--|
|  | <p>Protective measures</p> <ul style="list-style-type: none"> - Machine movements are dangerous. - Danger areas of this kind are to be separated from the rest of the plant by protective screens, Plexiglas barriers, etc. and marked with safety warning notices. |
|  | <p>Further safety devices</p> <ul style="list-style-type: none"> - See documentation on electrical system, controls. |


1.3.2 Intended use and misuse

Intended use

| | |
|---|---|
|  | <p>Products to be transported</p> <ul style="list-style-type: none"> - You must not exceed the maximum load capacity. |
|  | <p>Products to be transported</p> <ul style="list-style-type: none"> - The load must not project more than the amount foreseen above the carrier, in order to avoid tipping, catching or falling. - The carrier must be in a satisfactory condition. |
|  | <p>Plant</p> <ul style="list-style-type: none"> - You must observe the generally valid safety notices. - You must observe the maintenance regulations. |


Assembly Instructions ERS 69 Steel Supports

Misuse

| | |
|--|---|
|  CAUTION | <p>Not permitted is</p> <p>The transport of:</p> <ul style="list-style-type: none">- Explosives, highly inflammable or radioactive materials.- Fluids not in closed barrels.- Materials to which special hygienic regulations apply.- Parts with high electrical potential and magnetic fields.- Live animals.- The removal of or ignoring of safety equipment.- The ignoring of safety notices. |
|--|---|

1.3.3 Special Regulations

These regulations apply when working with the ERS 69 Steel Supports.

| | |
|--|--|
|  WARNING | <p>Clothing & Appearance</p> <ul style="list-style-type: none">- Wear suitable work clothes and Personal Protection Equipment (no loose hanging clothes, safety shoes, gloves, etc.).- Tie up long hair or wear a cap or hairnet.- Remove jewellery (necklaces, rings, bracelets, watches, etc.). |
|--|--|

1.4 Risks

| Danger | Cause | Avoidance |
|--|---|--|
| Permanent injury to the area of the spine Permanent injury to the area of the wrist | Excessive bodily strain during manual lifting of the products | Do not manually lift the product Use appropriate lifting equipment |
| Serious injury to hands | Clamping of hands between moving objects Catching of clothing / jewellery in moving machine parts during maintenance / operation | Do not touch the product when connected to a power source Observe the general safety notices Approved working clothes Remove jewellery |
| Serious injury to head | Catching of hair in moving machine parts during maintenance / operation | In case of long hair, bind them together or wear a hairnet or cap |
| Serious injury to body parts | Falling of products during manual removal e.g. after a failure of the machine controls | Use of safety straps Do not lift products exceeding specified weight limits Use of protective gloves with grip coating |
| Serious injury to body parts | Falling of products from conveyor | If conveyor is placed overhead, make sure to place protection against falling products around the conveyor Place side guard Provide a stop at the end of each conveyor |

Assembly Instructions ERS 69 Steel Supports

| Danger | Cause | Avoidance |
|------------------------------|--|--|
| Serious injury to body parts | During set up, sharp edges of the frame are accessible | <p>Wear protective gloves during handling of the conveyor</p> <p>Wear protective gloves during set up of the conveyor</p> <p>Place cover caps after set up of the conveyor</p> |

2 Product Information

2.1 Overview ERS 69 Steel Supports

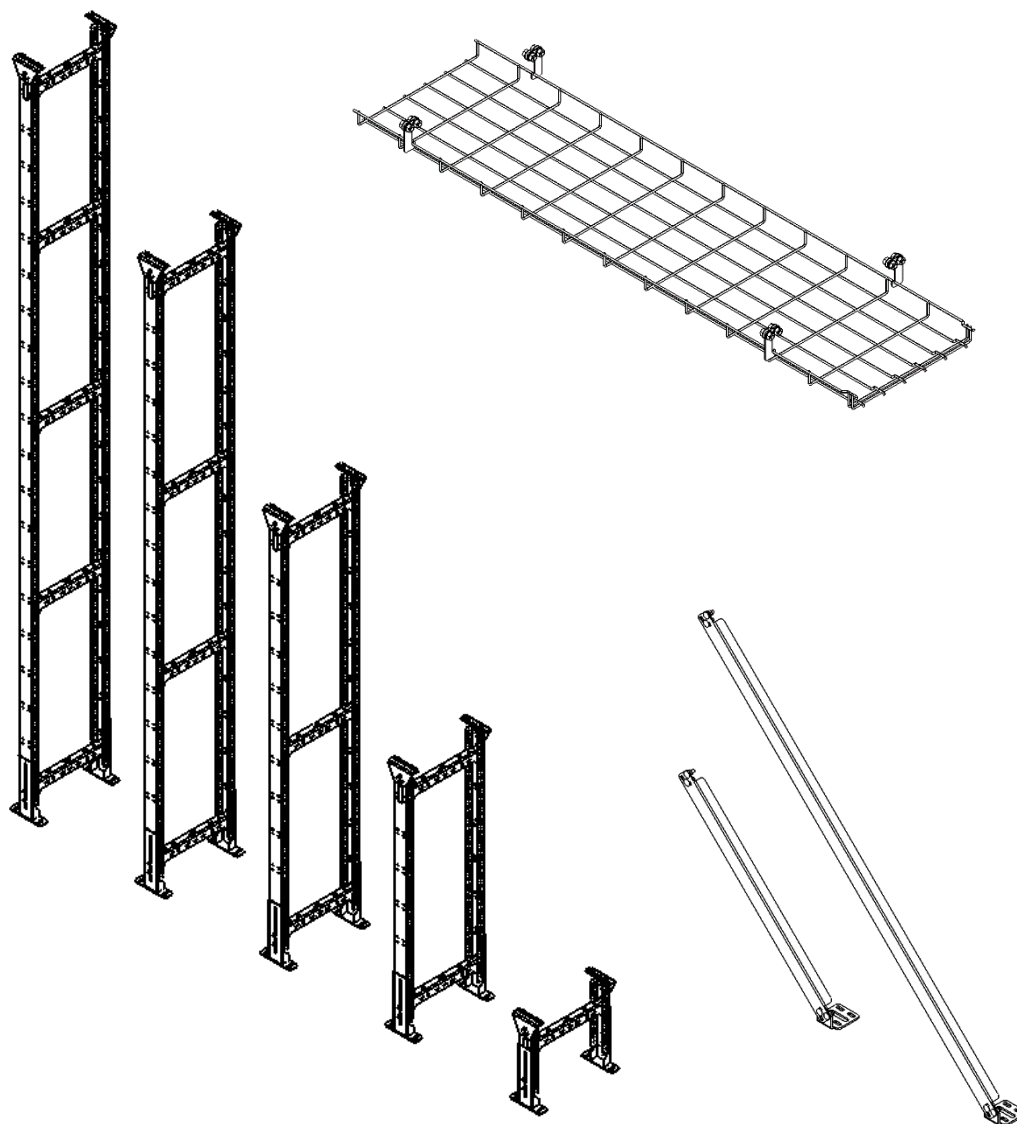
2.1.1 Product Description

The ERS 69 Steel Support System is used to support ERS Conveyors. The ERS 69 Steel Support System is available in different sizes and could be fitted with different options.

The ERS 69 Steel Support System consists of the following principal components:

- ERS 69 Steel Supports
- ERS 69 Diagonal Struts
- ERS 69 Cable Tray

ERS Conveyor needs to be supported in at least every 1.5 m distance

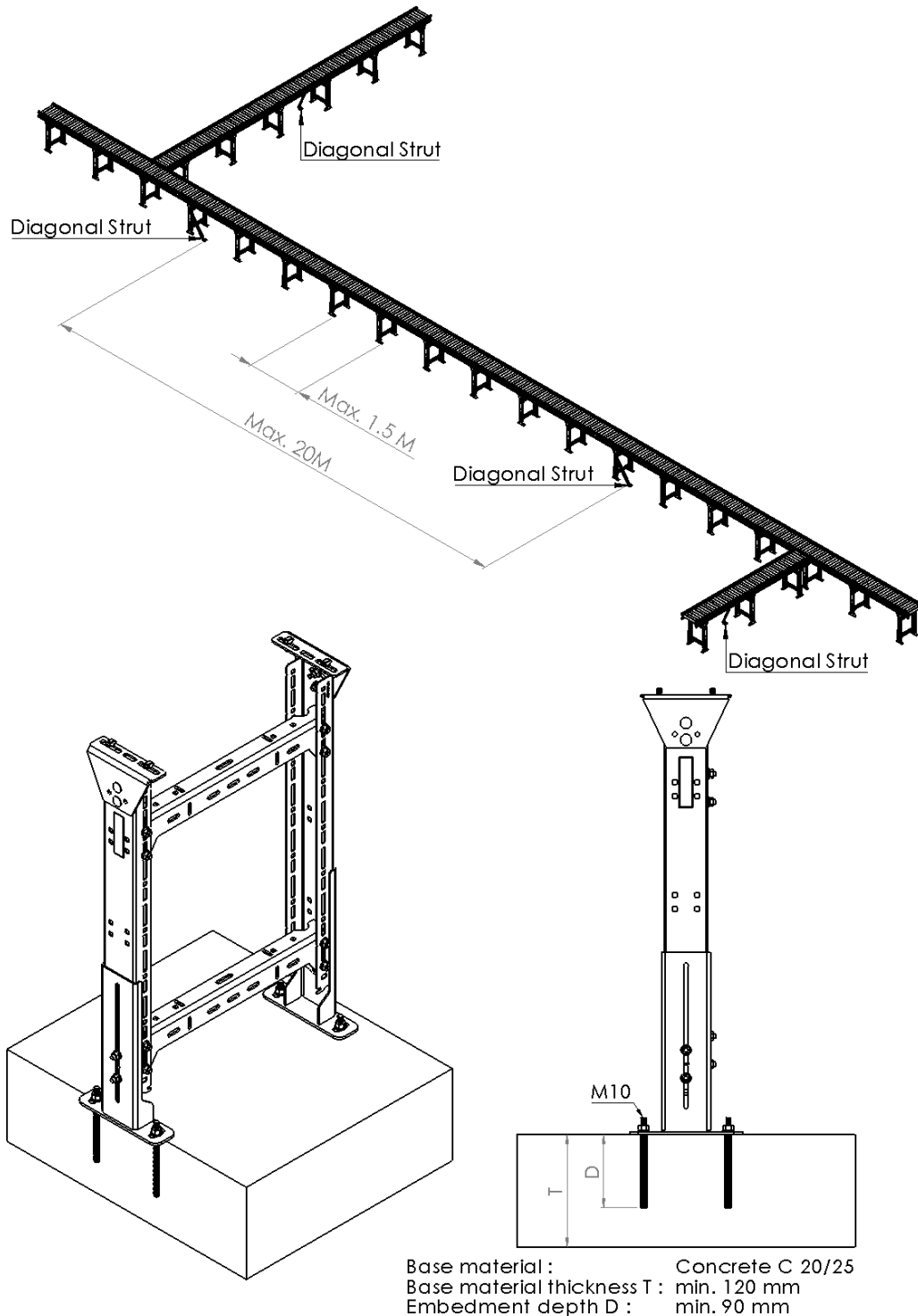


Assembly Instructions ERS 69 Steel Supports

2.1.2 Support guidelines

For safe operation of the ERS Conveyors, sufficient support is needed. The following support guidelines should always be followed:

- ERS Conveyors needs to be supported in at least every 1.5 m distance
- Supports should be mounted on a correct mounting interface
- Supports should be stabilised with a Diagonal Strut in every direction of transportation
- Diagonal struts should be mounted on a correct interface with at least M10 anchor rods.
- Supports should be stabilised in at least every 20m of conveyor



2.2 ERS 69 Steel Supports

2.2.1 Product Description

The ERS 69 Steel Support is used to support conveyors. The ERS 69 Steel Support is available in different sizes. The ERS 69 Steel Support System is compatible with the ERS 50, ERS 51- 52, ERS 53, ERS 56- 57 and the ERS 70 Conveyor Modules.

2.3 ERS 69 Diagonal Struts

The ERS 69 Diagonal Struts are used to increase the stability of the ERS 69 Steel Supports. The ERS 69 Diagonal Struts are available in two lengths.

2.4 ERS 69 Cable Tray

The ERS 69 Cable Tray is used to organise cables. A cable tray could be mounted on multiple ways.

- On top of the ERS 69 Steel Supports crossmembers, Hold-down Clamps are used.
- Underneath the ERS 69 Steel Supports crossmembers, Crossmember Support Hooks are used.
- Underneath the conveyor, Cable Tray Support Kits and Hold-down Clamps are used.

Only the Crossmember Support Hooks and the Cable Tray Support Kit could be delivered by **Swisslog GmbH**. The Cable Tray and Hold-down Clamps could be delivered by OBO Betterman.

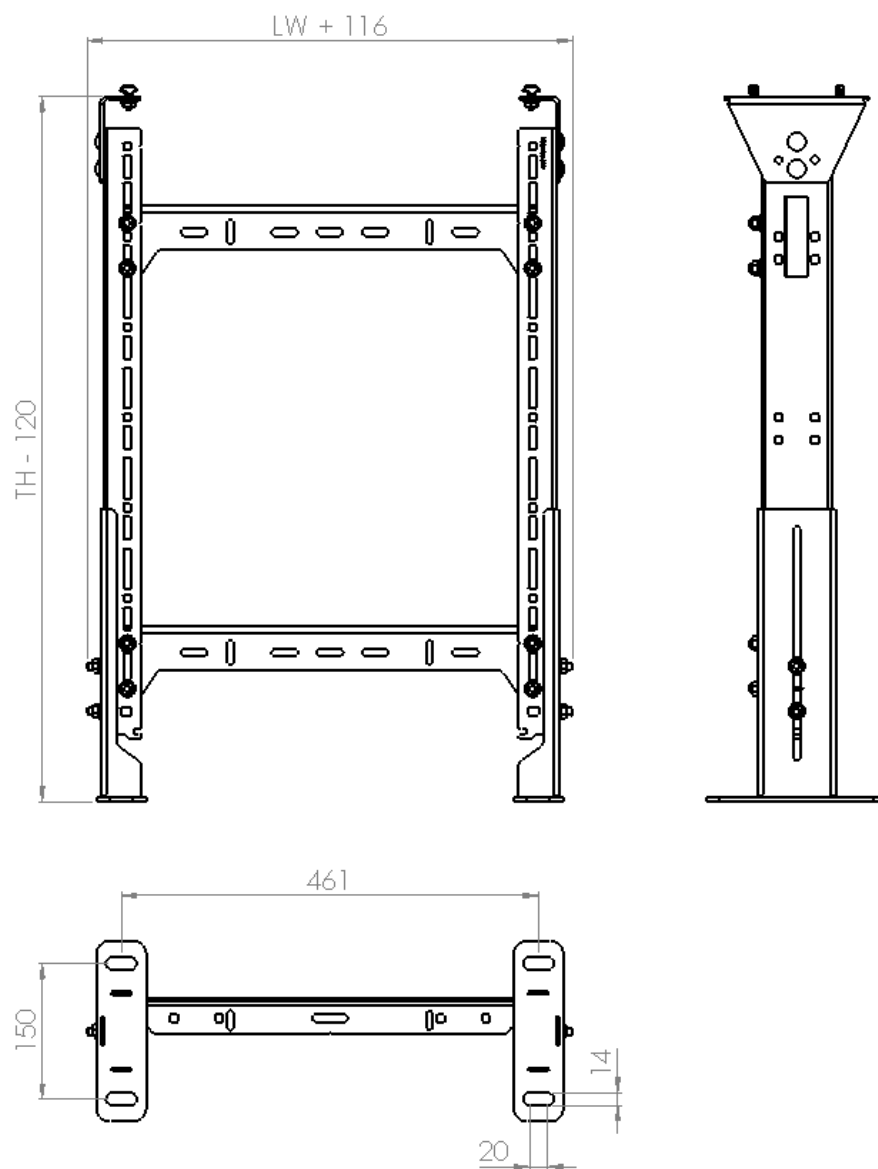
- Cable Tray - GRM 35 300 G
- Hold-down Clamps - GKT 38 G

3 Technical data

3.1 ERS 69 Steel Supports

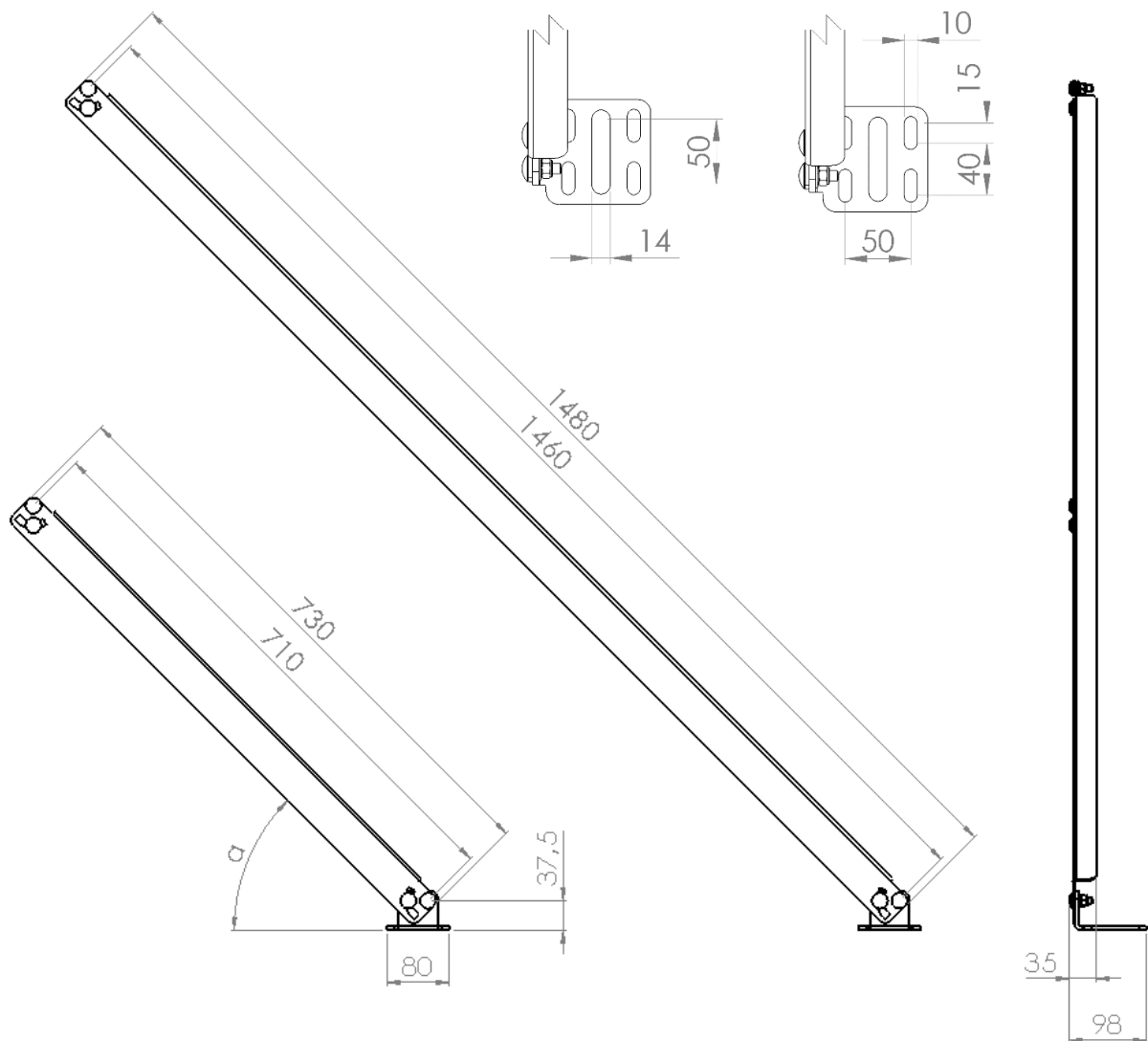
| General technical data | | |
|------------------------------------|---|-----------------------|
| Max. load capacity | 250 kg for each conveyer layer | |
| Number of cross-members | 1 with 600 to 699 mm top edge of roller | Max. 1 conveyor layer |
| | 2 with 699 to 1699 mm top edge of roller | Max. 1 conveyor layer |
| | 3 with 1699 to 2699 mm top edge of roller | Max. 2 conveyor layer |
| | 4 with 2699 to 3699 mm top edge of roller | Max. 3 conveyor layer |
| | 5 with 3699 to 4399 mm top edge of roller | Max. 4 conveyor layer |
| Dimensions | | |
| LW dimension | 420/520/620/820 mm | |
| TH - Height to top edge of rollers | 600 to 4399 mm | |

Assembly Instructions ERS 69 Steel Supports



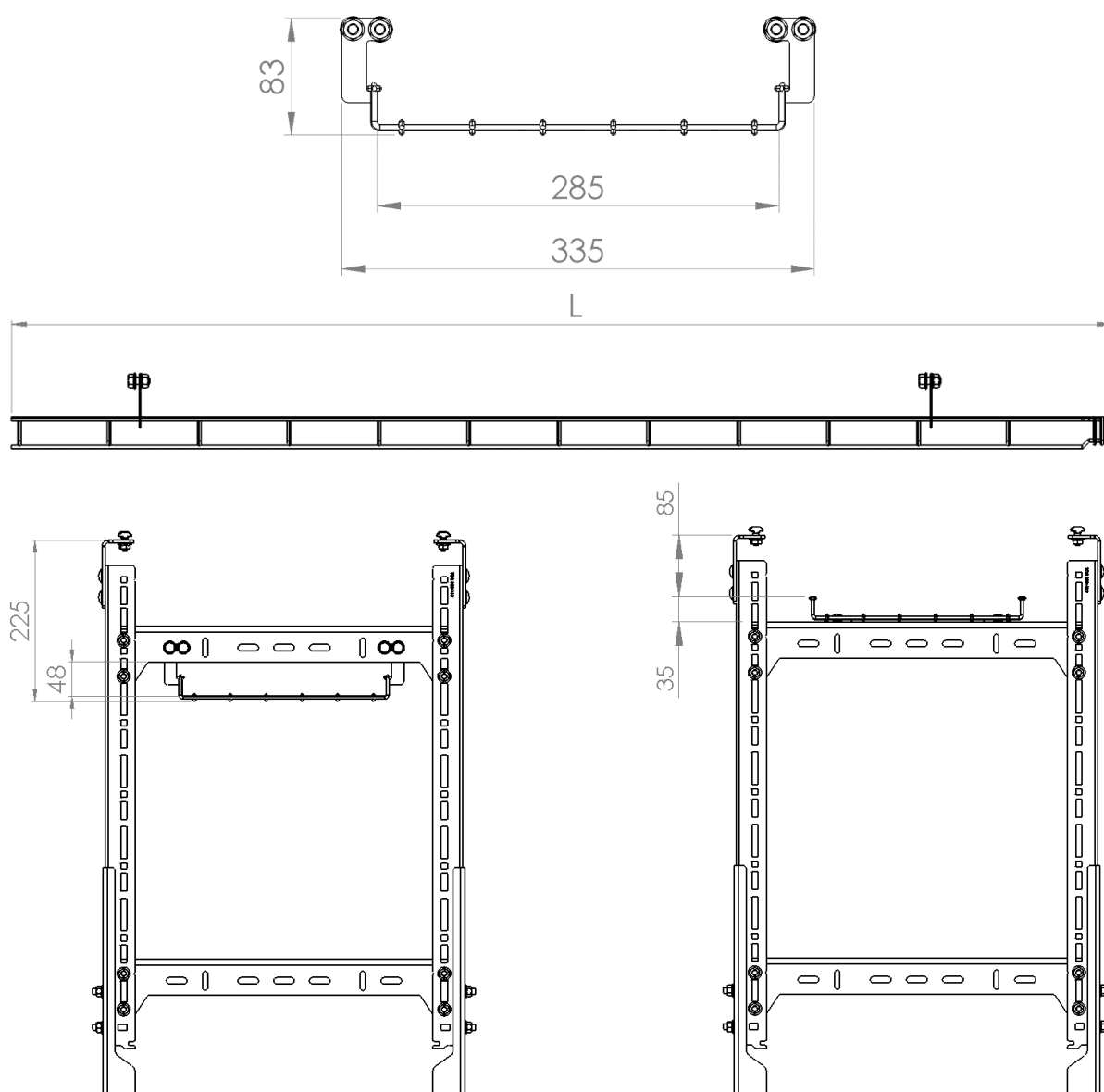
3.2 ERS 69 Diagonal Struts

| General technical data | |
|------------------------|------------|
| Dimensions | |
| α | 20° to 70° |




3.3 ERS 69 Cable Tray

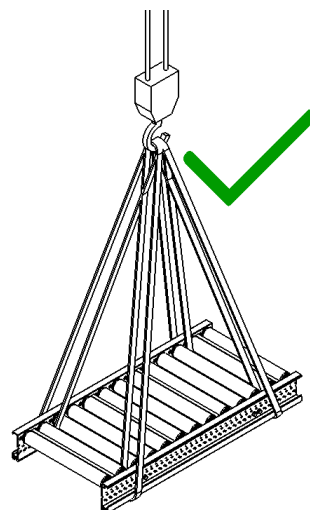
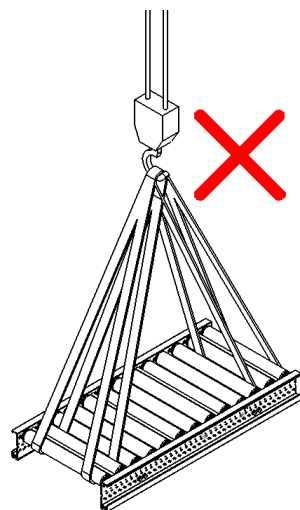
| General technical data | |
|------------------------|---------|
| Dimensions | |
| L dimension | 3024 mm |




4 Transportation

4.1 Transportation

| | |
|---|--|
|  | <p>Transportation</p> <ul style="list-style-type: none">- Only qualified and authorized personnel should transport the packaged ERS RollerDrive Conveyor Modules.- If packaged contents are unstable, unload the package unit by unit and not by truck.- When unpacked only transport single modules, unless they are already coupled before transportation by the supplier.- Wear protective clothing, gloves and shoes during handling of the conveyor. Sharp edges are exposed.- Be aware that the center of gravity is not always in the middle of the Conveyor Module. |
|---|--|



5 Assembly and installation


| | |
|---|---|
|  | <p>Installation</p> <ul style="list-style-type: none"> - As the ERS 69 Steel Support System are a partial system of an overall installation, you need to perform a risk analysis of the entire installation. - Identify the protective measures required concerning risks related to local conditions at the site and to usage. - Define a safety zone in the working area. - Secure the zone and set up proper signaling and appropriate protection - For assembling modules at special heights, refer to safety rules concerning working on heights. - Never climb or walk on top of the ERS 69 Steel Support System. - During assembly wear appropriate Personal Protective Equipment. |
|---|---|

5.1 General Information

5.1.1 Assembly rules

The assembly method provided by Swisslog Technology Center Netherlands is a guide line in how to assemble the different modules. Always adapt the provided assembly method to the national and local safety rules and requirements.

The delivery of the ERS 69 Steel Support System will be pre-assembled.

| | |
|---|--|
|  | <p>Edited components</p> <p>If any changes are made to the components or their location in the lanes, then Swisslog Technology Center Netherlands is no longer responsible for the product, as this represents unintended use of the ERS 69 Steel Support System.</p> |
|---|--|

5.1.2 Qualified Personnel

Assembly and installation of the ERS 69 Steel Support System can only be done by properly instructed personnel. This personnel must be under the supervision of a manager who is technically competent and trained concerning the following:

- The products and their use.
- The dangers inherent in the assembly of heavy components.
- The risks related to incorrect assembly.
- The adjustments required for correct operation of the ERS 69 Steel Support System.

Assembly Instructions ERS 69 Steel Supports

5.1.3 General Rules


Before starting the assembly take account for the following:

- Comply with the designed layout.
- Before starting assembly, clean the work site to create a safe environment.
- If other systems connect to the ERS 69 Steel Support System, use the same reference points to level the systems.
- Before unpacking the shipped ERS 69 Steel Support System, check the stability before remove packaging.
- Make sure you do not damage the ERS 69 Steel Support System.
- After assembly and before testing clean the work environment. Do not leave any spare parts or tools in the work site and surrounding areas.



5.1.4 Assembly

The ERS 69 Steel Support System, is always delivered completely assembled. The final assembly on site should only consist out of the following:


1. Mounting of the ERS 69 Steel Support System onto the floor.
2. Mounting of the conveyors onto the ERS 69 Steel Support System.

| | |
|---|---|
|  | Mounting Always mount the ERS 69 Steel Support System onto the floor or a solid part of a construction, the support guidelines should always be followed. |
|---|---|

5.1.5 Start-up checks

| | |
|---|---|
|  | <p>Visual safety check</p> <ul style="list-style-type: none"> - When connecting a conveyor including ERS 69 Steel Support System to another machine or system perform a risk analysis of the entire installation. - Check the installed parts for damage. - Check the working area for foreign material in the working area. - Check that all signage is in place. |
|  | <p>Safety check</p> <ul style="list-style-type: none"> - Check all personnel are properly instructed before working with or near a conveyor including ERS 69 Steel Support System. - Check for visible damage on the ERS 69 Steel Support System. - Check for foreign material preventing correct operation. |

5.1.6 Operation

| | |
|---|--|
|  | <p>In operation</p> <p>Close down a system or a conveyor including ERS 69 Steel Support System if any of the following occurs:</p> <ul style="list-style-type: none"> - Suspicious noise from any of the components. - A visibly worn or damaged component. - Damage to structural components such as frame and support. |
|---|--|

5.1.7 In case of an accident

1. Stop the conveyor including ERS 69 Steel Support System.
2. Secure the area and set up appropriate signage.
3. In the event of an accident: provide first aid and call the emergency services.
4. Inform qualified personnel.
5. Have the system repaired by qualified maintenance personnel.
6. Do not use the conveyor including ERS 69 Steel Support System until authorized by qualified maintenance personnel.

5.2 ERS 69 Steel Supports

5.2.1 Mounting/ dismantling the ERS Steel Supports

Mounting/ dismantling the ERS 69 Steel Supports:

Step 1 Make sure that the mounting surface meets the requirements needed.

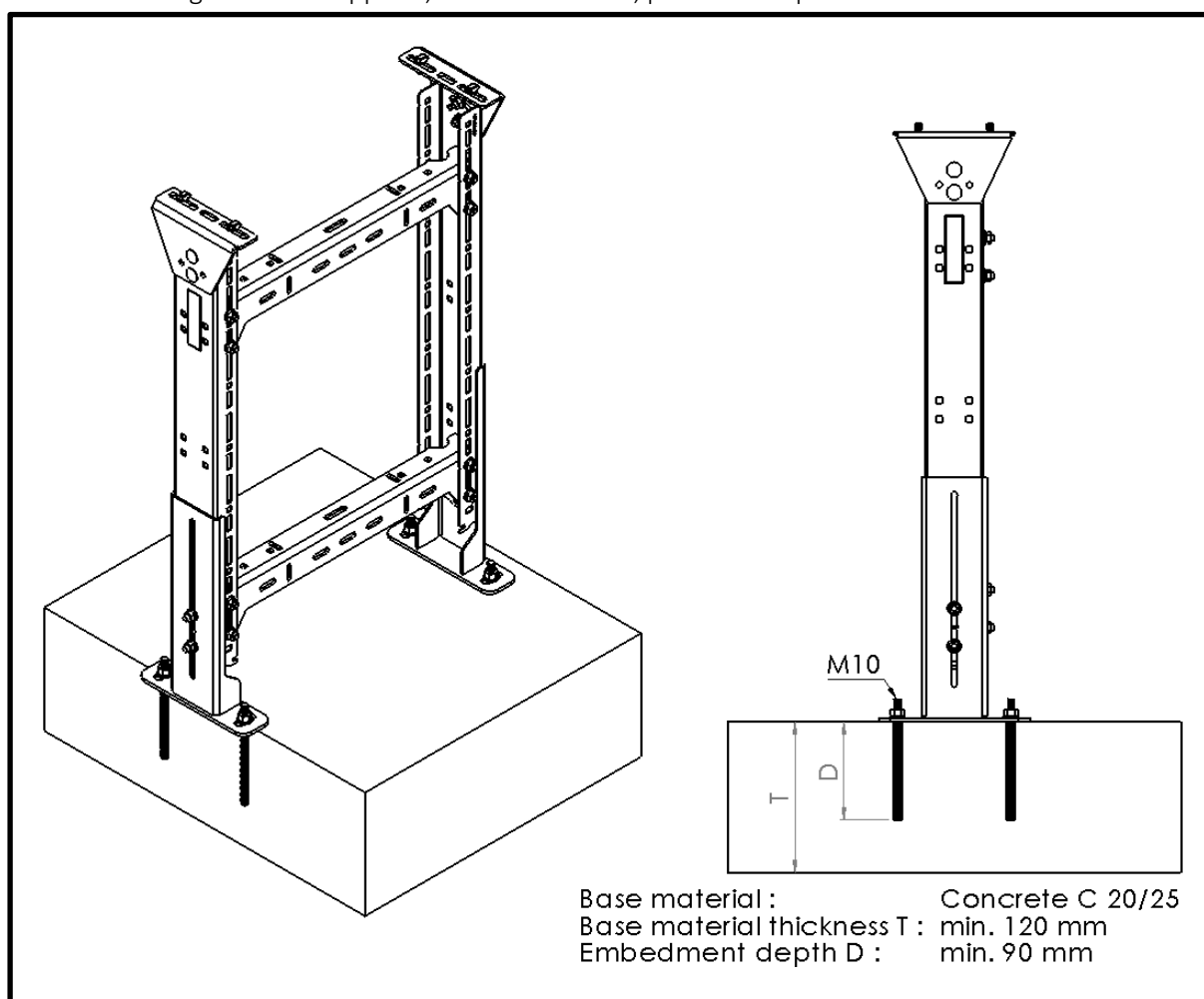
Step 2 Place the Steel Supports at the required position.

Step 3 Mark the four mounting holes onto the ground.

Step 4 Place the four chemical anchors.

Step 5 Tighten the M10 nuts with a torque of 55 Nm.

For dismantling the Steel Supports, remove the nuts, placed in step 5.



5.3 ERS 69 Diagonal Struts

5.3.1 Mounting/ dismounting the ERS Diagonal Struts

Mounting/ dismounting the ERS 69 Diagonal Struts:

Step 1 Make sure that the mounting surface meets the requirements needed.

Step 2 Place the Diagonal Strut at the required Steel Supports.

Step 3 Place the two M8 Bolts through the holes of the Diagonal Strut and Steel Support.

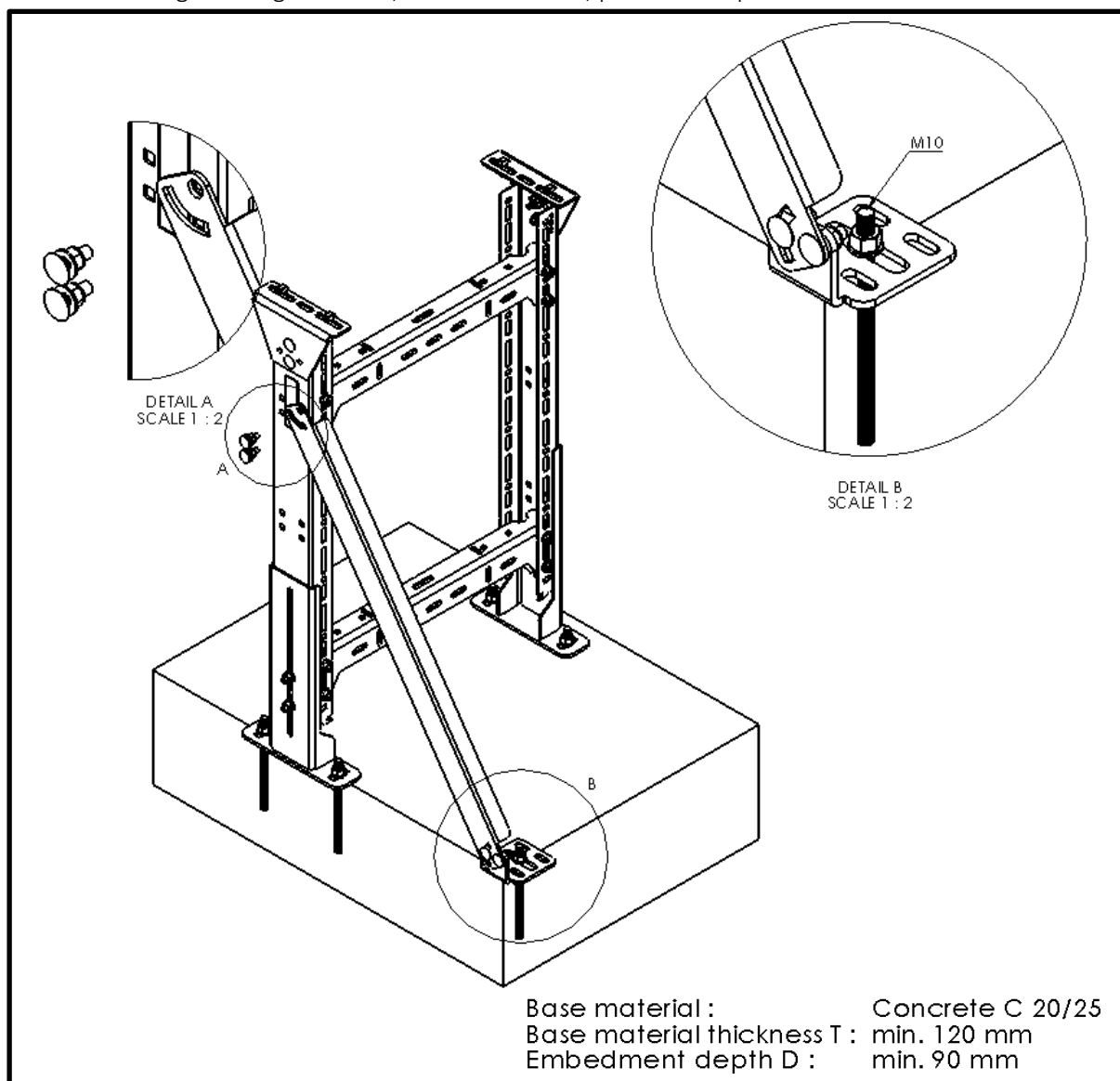
Step 4 Place and tighten the two M8 Nuts.

Step 5 Mark the mounting hole of the Diagonal Strut onto the ground.

Step 6 Place the chemical anchor.

Step 7 Tighten the M10 nut with a torque of 55 Nm.

For dismounting the Diagonal Strut, remove the nuts, placed in step 4 and 7.



5.4 ERS 69 Cable Tray

5.4.1 Mounting/ dismounting the ERS 69 Cable Tray – On top of the crossmember

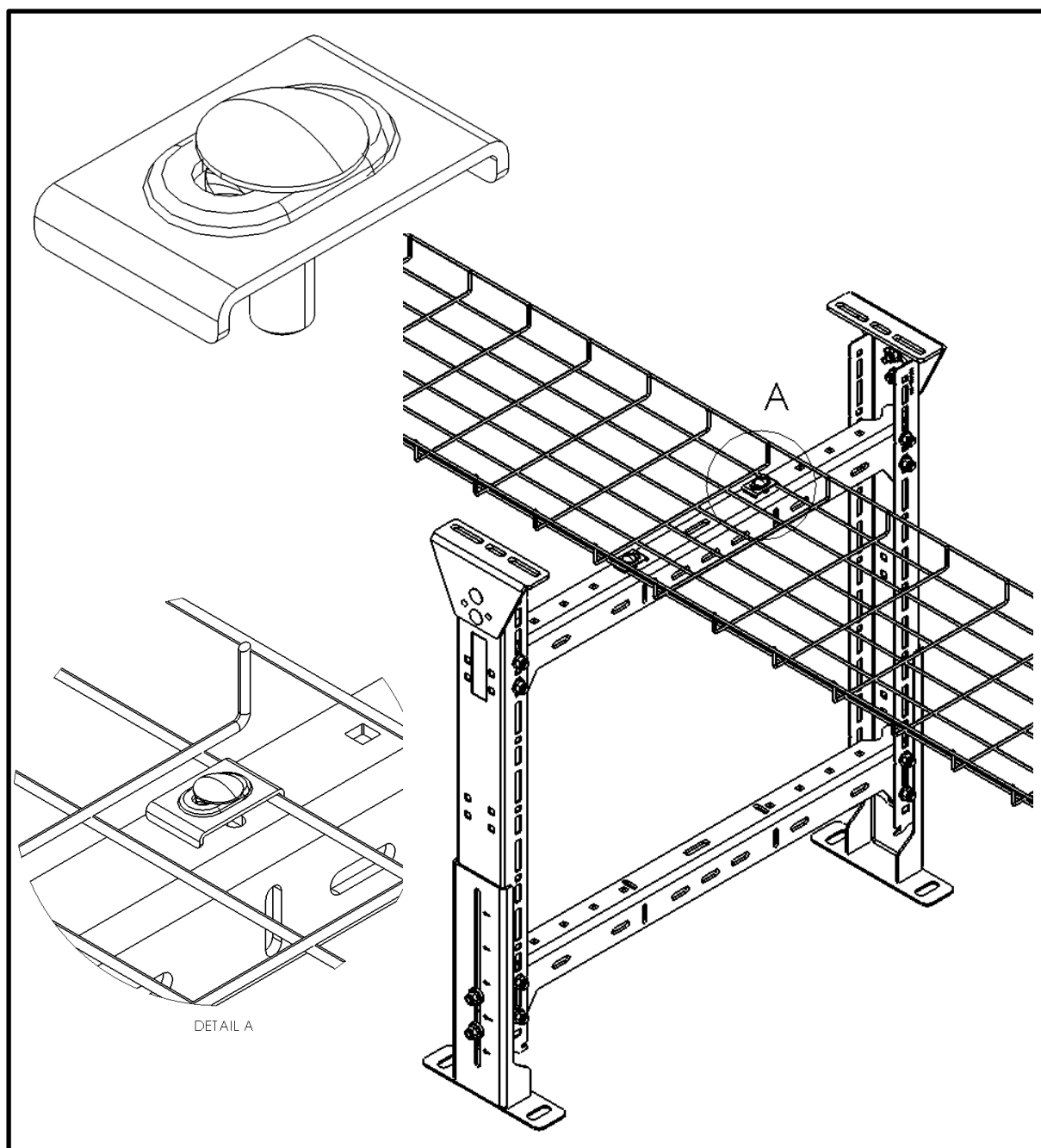
Mounting/ dismounting the ERS 69 Cable Tray:

Step 1 Place the Cable Tray at the required position on the crossmember.

Step 2 Place the two Hold-down Clamps and place the required bolts through the slots at the top of the crossmember.

Step 3 Tighten the M6 bolts and nuts.

For dismounting the Cable tray, repeat the steps above in reverse order.



Assembly Instructions ERS 69 Steel Supports

5.4.2 Mounting/ dismantling the ERS 69 Cable Tray – Underneath the crossmember

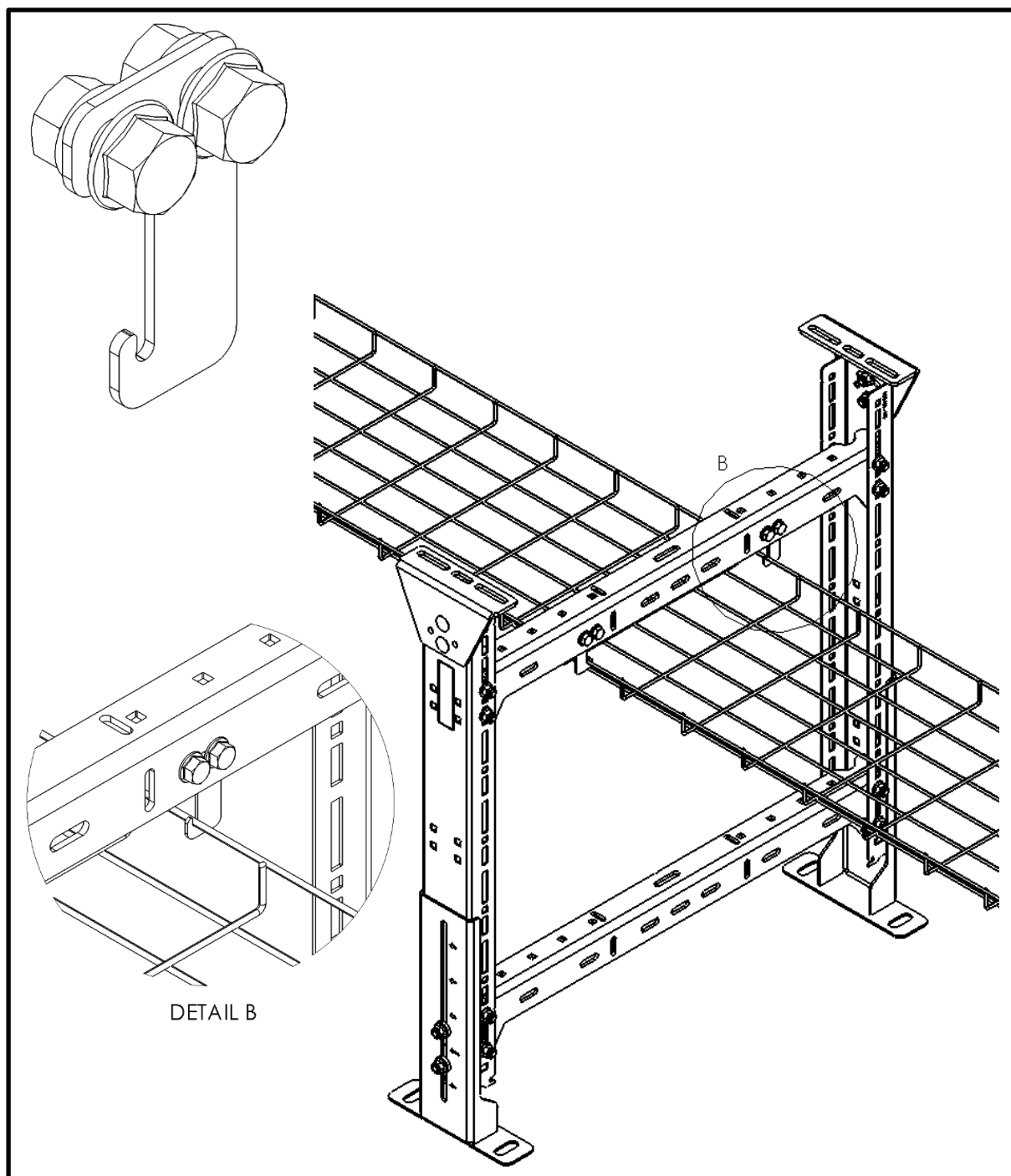
Mounting/ dismantling the ERS 69 Cable Tray:

Step 1 Place and tighten the Crossmember Support Hooks on one side of the crossmember with 2 M8 bolts and nuts.

Step 2 Hang the Cable Tray in the Crossmember Supports Hooks.

Step 3 Lift the other side of Cable Tray and place the missing Crossmember Supports Hooks.

For dismantling the Cable tray, repeat the steps above in reverse order.



Assembly Instructions ERS 69 Steel Supports

5.4.3 Mounting/ dismantling the ERS 69 Cable Tray – Underneath the conveyor

Mounting/ dismantling the ERS 69 Cable Tray:

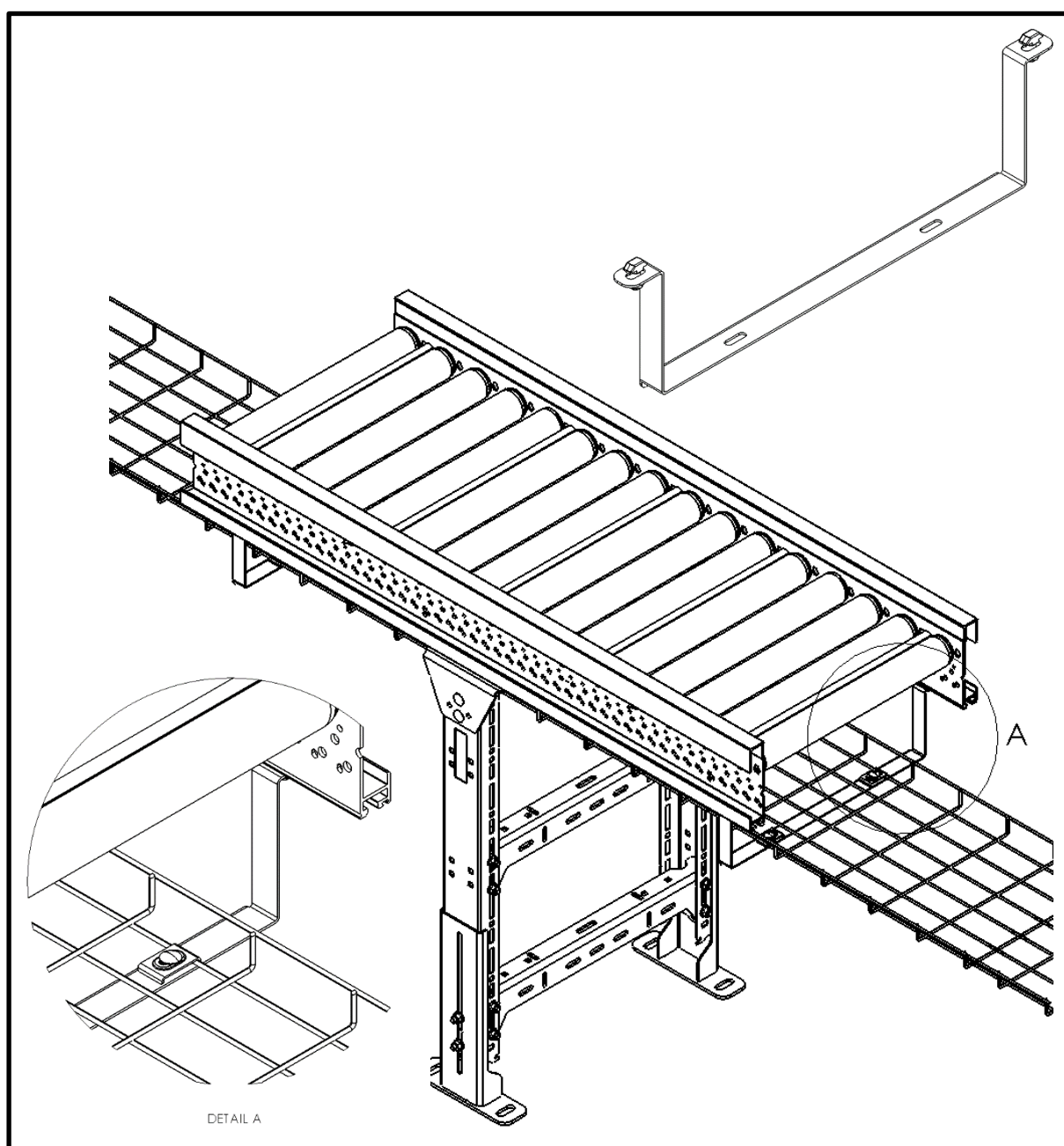
Step 1 Place the required Cable Tray Support Kits at the required positions underneath the conveyor, using the two M8 hammerhead Bolts.

Step 2 Place the Cable Tray at the required position.

Step 3 Place the Hold-down Clamps and place the required bolts through the slots at the top of the Cable Tray Support Kits.

Step 4 Tighten the M8 and M6 bolts and nuts.

For dismantling the Cable tray, repeat the steps above in reverse order.



5.5 ERS Conveyor

5.5.1 Mounting/ dismounting an ERS Conveyor – On top of the ERS 69 Steel Supports

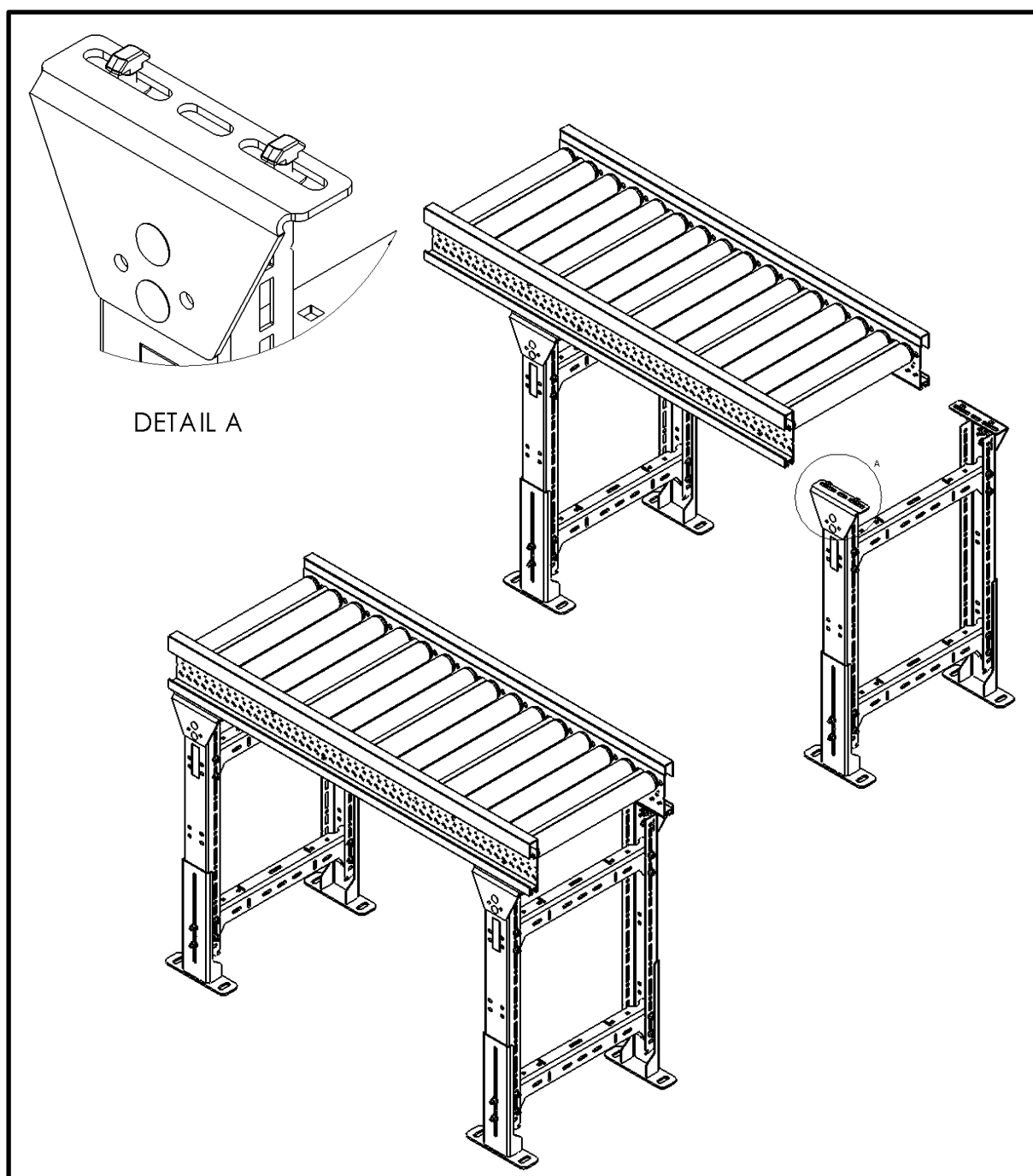
Mounting/ dismounting an ERS Conveyor:

Step 1 Make sure at least two ERS 69 Steel Supports are placed and aligned.

Step 2 Push and slide the conveyor over the hammerhead bolts on both ERS 69 Steel Supports .

Step 3 Tighten the M8 hammerhead bolts and nuts.

For dismounting the ERS Conveyor, repeat the steps above in reverse order.



Assembly Instructions ERS 69 Steel Supports

5.5.2 Mounting/ dismounting an ERS Conveyor – On top of the ERS 69 Steel Supports Crossmember

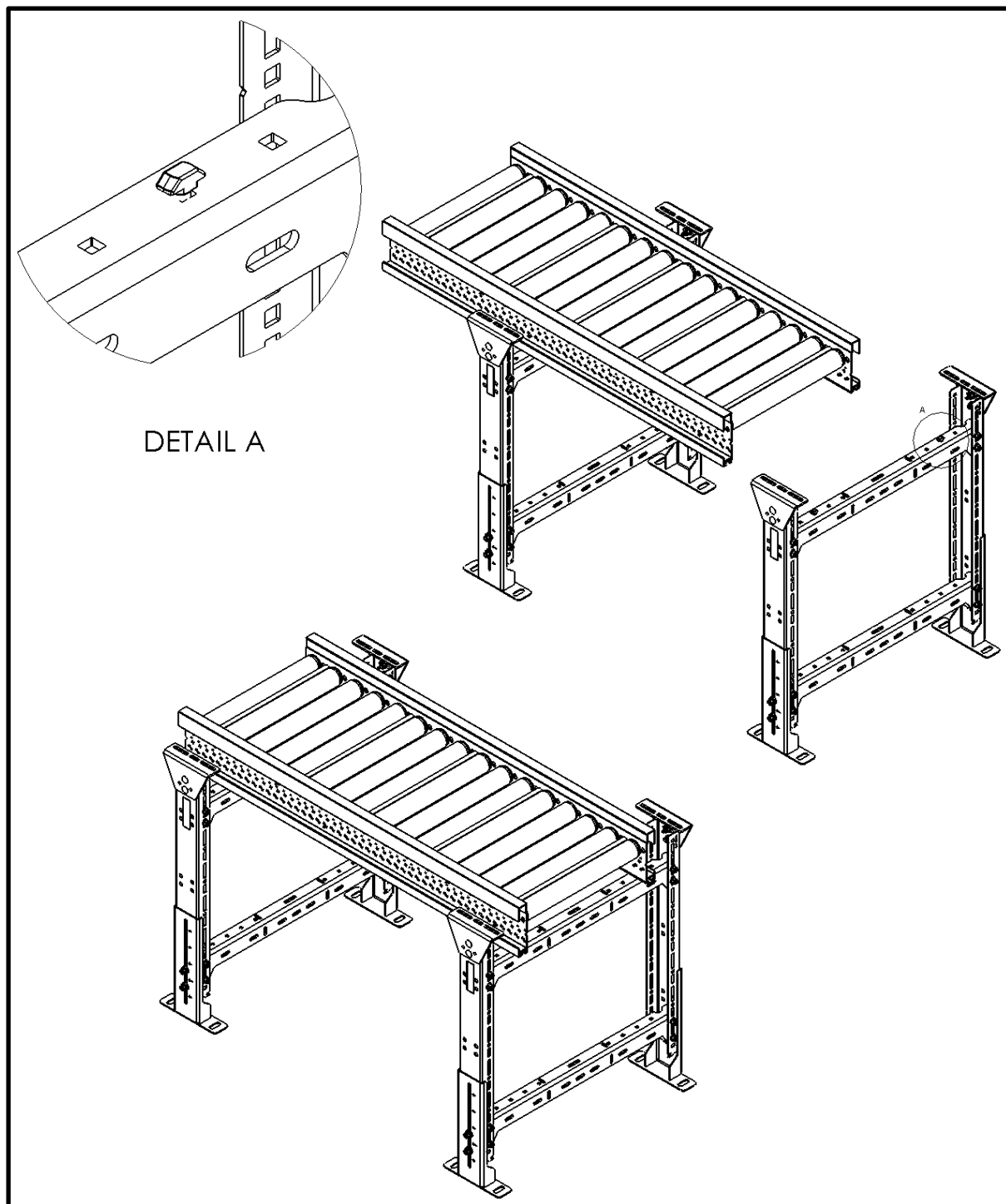
Mounting/ dismounting the ERS Conveyor:

Step 1 Make sure at least two ERS 69 Steel Supports are placed and aligned.

Step 2 Push and slide the conveyor over the hammerhead bolts on both ERS 69 Steel Supports .

Step 3 Tighten the M8 hammerhead bolts and nuts.

For dismounting the ERS Conveyor, repeat the steps above in reverse order.



6 Cleaning, Maintenance and Replacements

Make sure the ERS 69 Steel Support System is disconnected from any power source when carrying out cleaning, maintenance or replacements.

6.1 General information

6.1.1 Cleaning Information

| | |
|---|--|
| <div data-bbox="272 546 523 598" data-label="Text"> <p>NOTE</p> </div> | <p>Products</p> <ul style="list-style-type: none"> - Do not use abrasive products, pressurized jets or products which may cause oxidization or damage the equipment. - Clean the ERS 69 Steel Support System using a dry cloth. |
|---|--|

6.1.2 Maintenance Information

| | |
|--|---|
| <div data-bbox="272 1014 523 1066" data-label="Text"> <p>CAUTION</p> </div> | <p>Safety</p> <ul style="list-style-type: none"> - Make sure maintenance is carried out by qualified personnel who are familiar with the proper procedures and instructions. - Secure the working area and shut down the machinery and apply appropriate signage. Make sure nobody can start up the machinery during maintenance. - Wear Personal Protective Equipment. - When in doubt contact the supplier or manufacturer of the parts. - Make sure the complete system is disconnected from the power source when carrying out cleaning, maintenance or replacements. |
| <div data-bbox="272 1352 523 1404" data-label="Text"> <p>i</p> </div> | <p>Spare parts</p> <p>There are no spare parts available for the ERS 69 Steel Support System.</p> |
| <div data-bbox="272 1659 523 1711" data-label="Text"> <p>i</p> </div> | <p>Third party parts</p> <p>Some parts are used from third parties. In case of the ERS 69 Steel Support System this can be:</p> <ul style="list-style-type: none"> - Cable Tray - Cable Tray Clamps <p>The third parties deliver these parts with stand-alone user manuals. Please check the appendix or visit the manufacturer's website for additional maintenance and mounting information.</p> |

Assembly Instructions **ERS 69 Steel Supports**

6.1.3 Maintenance intervals

Defines the maintenance intervals according to the **operating hours**. During these periods, the ERS 69 Steel Support System has to be disconnected from the electrical network, cleaned, and investigated for wear. Faults observed during the inspections and unforeseen changes must be corrected immediately.


The maintenance activities are to be performed as listed.

| Working period In hours per day | Interval In months |
|------------------------------------|-----------------------|
| 0-8 | 3 |
| 8-16 | 2 |
| 16-24 | 1 |


If maintenance is not performed as scheduled, damage can occur. If maintenance intervals are not complied with, guarantee expires.

7 Storage and disposal

7.1 Storage

| | |
|--|--|
|  WARNING | Storage <ul style="list-style-type: none">- Store the ERS 69 Steel Support System indoors.- Never store the ERS 69 Steel Support System outdoors, in a dusty or in a humid environment.- Do not add additional loads unto the packaged ERS 69 Steel Support System. |
|--|--|

7.2 Disposal

| | |
|---|--|
|  NOTE | Disposal <p>When the ERS 69 steel support reaches the end of its useful life, it can be removed from the system and dismantled and the materials can be disposed of properly by type.</p> <p>For the correct proposal please check your local waste disposal regulations!</p> |
|---|--|

8 Appendix

Attachment:

- Declaration of Incorporation of partly completed machinery

Declaration of Incorporation of partly completed machinery



Original Declaration of Incorporation

Declaration of Incorporation

according to EC Machinery Directive 2006/42/EC, Annex II B

The manufacturer / company placing the product on the market:

Swisslog GmbH, Martin-Schmeißer-Weg 6-8, 44227 Dortmund, Germany

hereby declares that the product:

| | |
|------------------------------|------------------------|
| General designation | QuickMove |
| Model/type designation | ERS 69, steel supports |
| Unique identification number | |

conforms to the requirements of EC Machinery Directive 2006/42/EC listed in Appendix 1 of this declaration. Furthermore, conformity with the following additional directives is declared:

EU RoHS Directive 2011/65/EU

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The following harmonized standards and, where appropriate, additional standards were applied:

- **EN ISO 12100:2010**

Furthermore, we declare that the relevant technical documentation described in Annex VII, part B, has been prepared for this partly completed machinery. We undertake to transmit, in response to a duly reasoned request by the authorities responsible for market surveillance, the relevant technical documentation.

Authorized representative for the compilation of the technical documentation:

KUKA Aktiengesellschaft, CLD-PC, Zugspitzstrasse 140, 86165 Augsburg, Germany

The putting into service of the partly completed machinery is not allowed until the partly completed machinery has been incorporated into machinery, or has been assembled with other parts to form machinery, and this machinery complies with the terms of the EC Machinery Directive, and the EC declaration of conformity is present in accordance with Annex II A.

Dortmund, 10/23/2020

Heino Heitplatz, Head of LGCTC

Björn Eisbach, Product Manager LGCTC



Appendix 1

List of essential requirements complied with in accordance with Annex I, Directive 2006/42/EC

| | |
|------------------------------|------------------------|
| General designation | QuickMove |
| Model/type designation | ERS 69, steel supports |
| Unique identification number | |

| Section | Requirements | Not relevant | | |
|----------|--|--|---|-------------------------------------|
| | | To be complied with by the system integrator for the final machinery | Complied with for the scope of the partly completed machinery | |
| 1.1. | GENERAL | | | |
| 1.1.1. | Definitions | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.1.2. | Principles of safety integration | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.1.3. | Materials and products | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.4. | Lighting | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.5. | Design of machinery to facilitate its handling | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.1.6. | Ergonomics | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.1.7. | Operating positions | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.8. | Seating | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2. | CONTROL SYSTEMS | | | |
| 1.2.1. | Safety and reliability of control systems | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.2. | Control devices | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.3. | Starting | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.4.1. | Normal stop | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.4.2. | Operational stop | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.4.3. | Stopping the machine in an emergency | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.4.4. | Assembly of machinery | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.5. | Selection of control or operating modes | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2.6. | Failure of the power supply | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3. | PROTECTION AGAINST MECHANICAL HAZARDS | | | |
| 1.3.1. | Risk of loss of stability | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.3.2. | Risk of break-up during operation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.3.3. | Risks due to falling or ejected objects | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.4. | Risks due to surfaces, edges or angles | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.3.5. | Risks related to combined machinery | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.6. | Risks related to variations in operating conditions | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.7. | Risks related to moving parts | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.8. | Choice of protection against risks arising from moving parts | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.8.1. | Moving transmission parts | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.8.2. | Moving parts involved in the process | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.9. | Risks of uncontrolled movements | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4. | REQUIRED CHARACTERISTICS OF GUARDS AND PROTECTIVE DEVICES | | | |
| 1.4.1. | General requirements | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.2. | Special requirements for guards | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.2.1. | Fixed guards | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.2.2. | Interlocking movable guards | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.2.3. | Adjustable guards restricting access | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.3. | Special requirements for protective devices | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Assembly Instructions ERS 69 Steel Supports



| Section | Requirements | To be complied with by the system integrator for the final machinery Complied with for the scope of the partly completed machinery | | | Not relevant | | |
|----------|--|---|-------------------------------------|-------------------------------------|--------------|--|--|
| | | | | | | | |
| 1.5. | RISKS DUE TO OTHER HAZARDS | | | | | | |
| 1.5.1. | Electricity supply | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.2. | Static electricity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.5.3. | Energy supply other than electricity | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.4. | Assembly error | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.5.5. | Extreme temperatures | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.6. | Fire | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.5.7. | Explosion | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.8. | Noise | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.5.9. | Vibrations | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.10. | Radiation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.11. | External radiation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.12. | Laser radiation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.13. | Emissions of hazardous materials and substances | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.14. | Risk of being trapped in a machine | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.15. | Risk of slipping, tripping or falling | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.5.16. | Lightning | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.6. | MAINTENANCE | | | | | | |
| 1.6.1. | Machinery maintenance | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.6.2. | Access to operating positions and servicing points | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.6.3. | Isolation of energy sources | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.6.4. | Operator intervention | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.6.5. | Cleaning of internal parts | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 1.7. | INFORMATION | | | | | | |
| 1.7.1. | Information and warnings on the machinery | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.1.1. | Information and information devices | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.1.2. | Warning devices | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.2. | Warning of residual risks | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.3. | Marking of machinery | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.4. | Instructions | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.4.1. | General principles for the drafting of instructions | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.4.2. | Contents of the instructions | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 1.7.4.3. | Sales literature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 2. | SUPPLEMENTARY ESSENTIAL HEALTH AND SAFETY REQUIREMENTS FOR CERTAIN CATEGORIES OF MACHINERY | | | | | | |
| 2.1. | Foodstuffs machinery and machinery for cosmetics of pharmaceutical products | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 2.2. | Portable hand-held and/or hand-guided machinery | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 2.3. | Machinery for working wood and material with similar physical characteristics | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 2.4. | Machinery for pesticide application | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 3. | Supplementary essential health and safety requirements to offset hazards due to the mobility of machinery | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 4. | Supplementary essential health and safety requirements to offset hazards due to lifting operations | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 5. | Supplementary essential health and safety requirements for machinery intended for underground work | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| 6. | Supplementary essential health and safety requirements for machinery presenting particular hazards due to the lifting of persons | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |



Appendix 2

Information pertaining to the assembly instructions described in Annex VI, Directive 2006/42/EC

| | |
|------------------------------|------------------------|
| General designation | QuickMove |
| Model/type designation | ERS 69, steel supports |
| Unique identification number | |

The assembly instructions provide the person incorporating the partly completed machinery described above into machinery, or assembling it with other parts to form the final machinery, with the necessary information, relating in particular to the safety-relevant interfaces, for correct assembly without endangering the health and safety of persons.

In addition to these assembly instructions, the relevant European Directives and national regulations must be taken into account.

The complete compliance documentation to be provided by the manufacturer consists of

- the present document "Declaration of Incorporation",
- all accompanying documents in printed form.