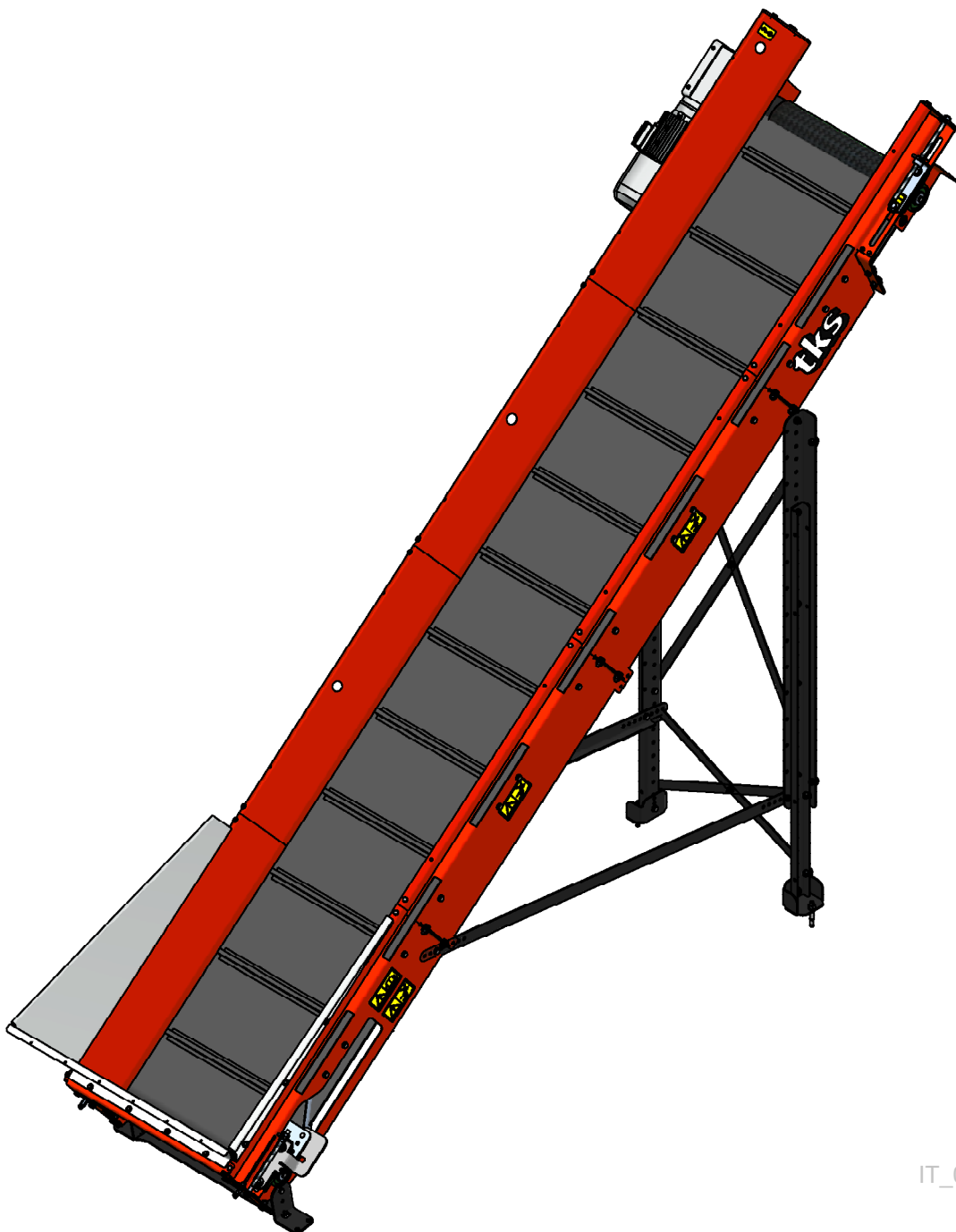




# Operator's manual - Spare parts list

## Conveyor TR

### 1000mm



IT\_06

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# **1 General safety instructions**

## **1.1 CE - Declaraconformity**

We,  
**TKS Agri AS,**  
**Kvernelandsvegen 100**  
**N-4355 Kverneland**  
**Norway**  
declare that the product:

TKS - Conveyor TR

has been built in conformity with the Machine Directive and meets the relevant fundamental health and safety requirements.

Kverneland, 03-2019

*Atle Sjølyst - Kverneland*

Atle Sjølyst - Kverneland  
General Manager

**Enter the serial number  
of the machine**

\_\_\_\_\_

T. Kverneland & Sønner AS, manufacturer of agricultural products, reserves the right to change the design and/ or specifications of its products without prior warning. This does not imply any obligation to modify previously supplied machines.

## **1.2 Guarantee**

This TKS product is guaranteed against manufacturing and material defects for one year.

If the owner wishes a defect to be covered by the product guarantee, he or his representative must inform the dealer of this when ordering parts and/or repairs. Claims must be reported within the guarantee period.

The dealer must complete a claims form for each case covered by a guarantee and send it to TKS or TKS's distributor/importer within the 10th of the month following the one in which the defect was reported.

The defective parts shall be marked with the claim number and be kept for up to 6 months so that TKS or TKS's distributor/importer can inspect them.

Since TKS products are used outside the manufacturer's control, we can only guarantee the product quality, and not that it will perform its function, nor are we liable for any resulting damage.

### **The guarantee is not valid if:**

- a) third-party spare parts are used, or the product is repaired or altered without the approval of TKS
- b) the operating and servicing instructions have not been followed
- c) the machine has been used for other purposes than those for which it is designed

### **The guarantee does not cover damage due to normal wear and tear.**

Official safety regulations specify requirements that apply to the manufacturers of this machine relating to the careful review of safety hazards that may arise when this type of machine is used correctly. Therefore, TKS and our importer/distributor are not responsible for the functioning of components that are not shown in the spare-parts catalogue for this product.

TKS reserves the right to change the design of the product without this implying any obligations in relation to previously supplied machines.

**NB!** It must be possible to identify all enquiries relating to this product by the product's serial number; see page 7 on Machine identification.

## **1.3 Introduction**

Congratulations on buying your new TKS product. You have chosen a functional, high quality product. A network of helpful dealers will be able to advise you on its use, as well as provide servicing and spare parts.

All TKS products are designed, tested and built in close cooperation with farmers and machine workshops to ensure optimal efficiency and reliability.

Please read this instruction manual carefully and familiarise yourself with the machine's manner of operation before starting to use it.

Many different factors and variables can affect the performance and method of operation of the machine. It is therefore very important to assess all known factors and adapt the way in which the machine is used accordingly. A good understanding of the machine's method of operation and performance, together with a sound knowledge of feeding and feed types/consistency will ensure the best results.

By being thorough and making the necessary adaptations to local conditions, you will ensure the best possible results.

Yours faithfully  
**TKS Agri AS**



**TKS Agri AS,  
Kvernelandsvegen 100  
N-4355 Kverneland  
Norway**

**www.tks-as.no  
e-post : post@tks-as.no  
Phone : + 47 51 77 05 00**

## **1.4 Technical data - Conveyor TR**

### **1.4.1 Model description and area of use**

The universal Conveyor TR with a length of 3–9 metres is a lightweight, flexible structure for the practical handling of materials, which can be easily adapted to all medium-weight materials such as: wood, chippings, timber waste, potatoes, onions, root vegetables, pellets, silo feed, ice, fish, etc.

The Conveyor TR belt and carrier are powered by an electric motor on the drive roller, or by a worm gear motor at the top end of the belt.

- The carrier belt runs on sheet metal bases.
- Conveyor TR belt of reinforced rubber with carrier.
- Minimum operating temperature -20°C.

The conveyor belt can be equipped with a support foot.

<b>Conveyor TR:</b>	<b>1000mm</b>
Belt width	1000mm
Motor power	3,0 kW
Belt speed	1 m/sec
Carrier height	60mm
Carrier c/c spacing (standard)	750mm

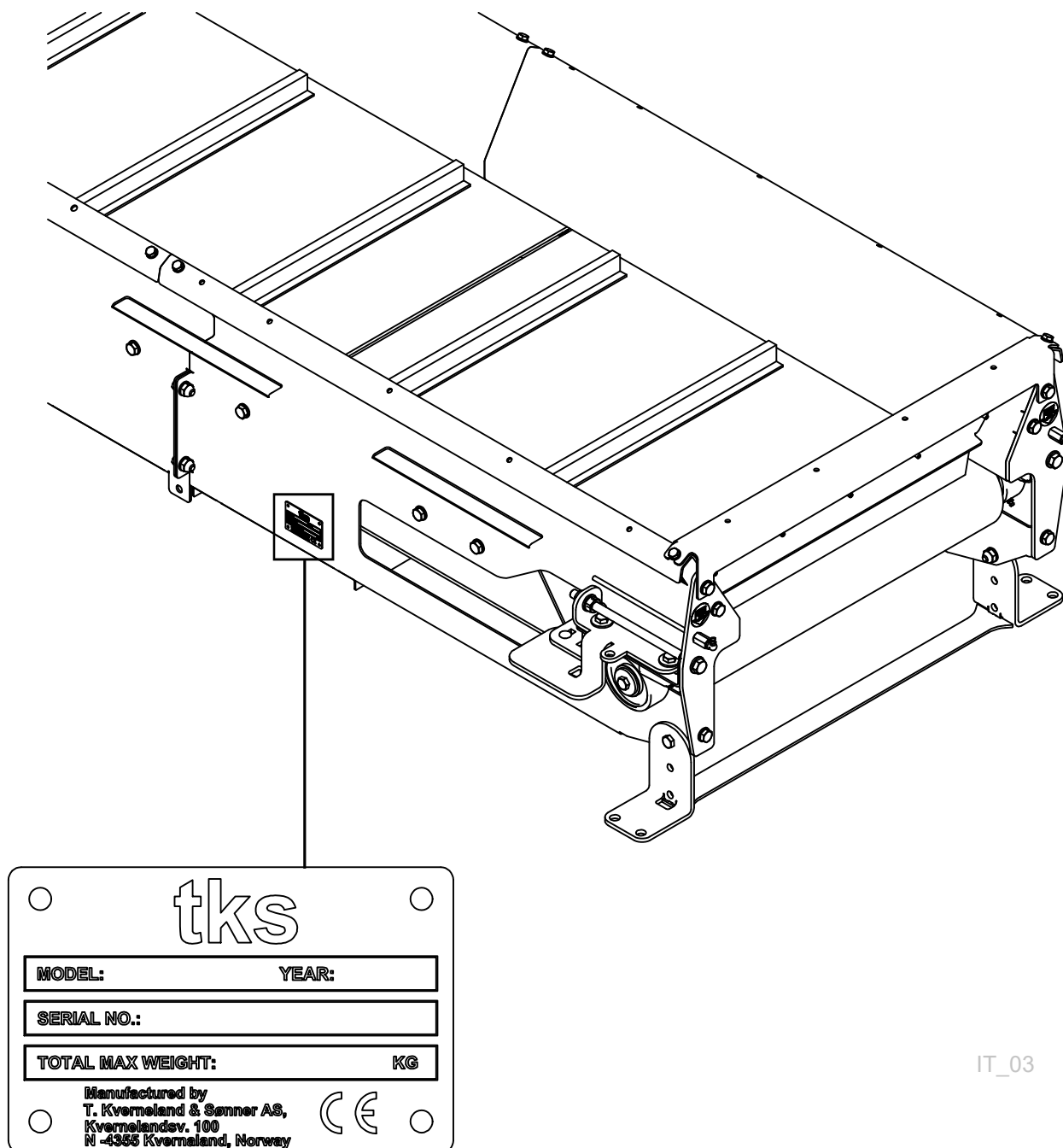
<b>Available equipment:</b>
Supporting foot
Refilling funnel
Frame kit

## 1.4.2 Machine identification

The machine's serial number and the manufacturer's address are written on a plate on the machine. See the illustration on this page. The machine's serial number and the delivery year should be written below.

Please use this information when making any enquiries about spare parts or servicing.

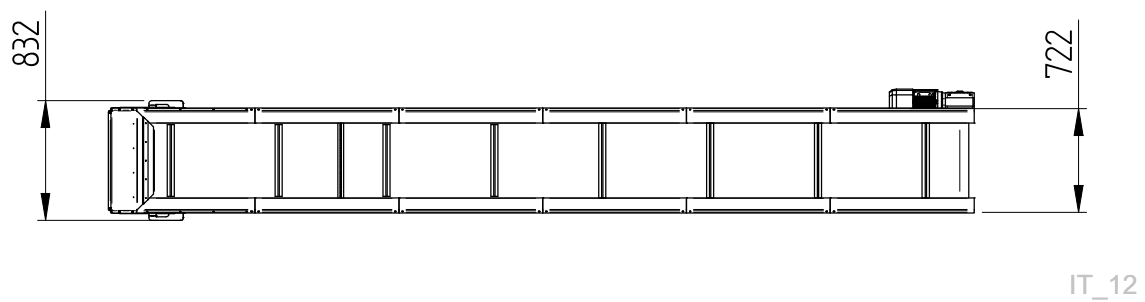
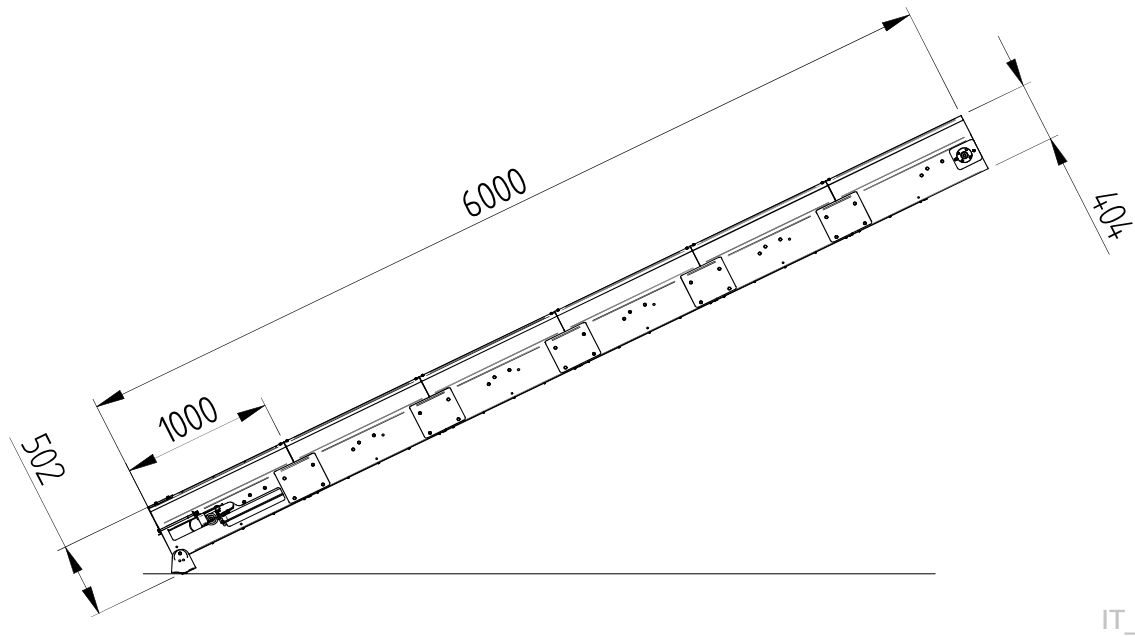
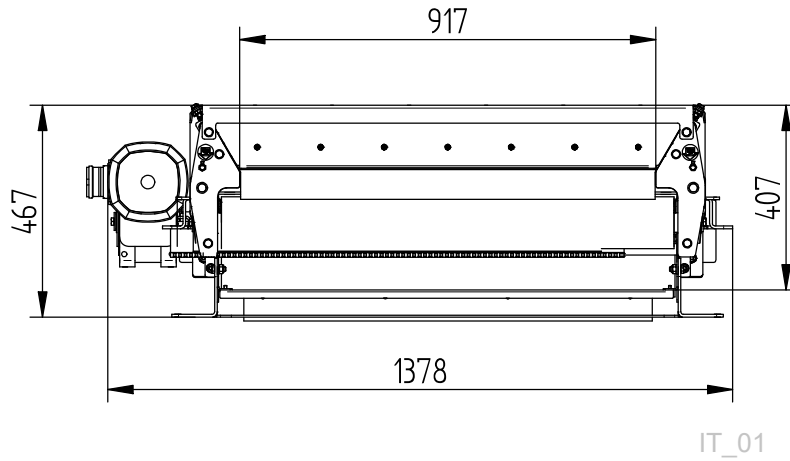
This product is CE marked. This mark, along with the associated written EU confirmation, means that the product fulfils current health and safety requirements, and complies with the following directives: Machine Directive





### 1.4.3 Main dimensions - Conveyor TR

All measurements are in mm.



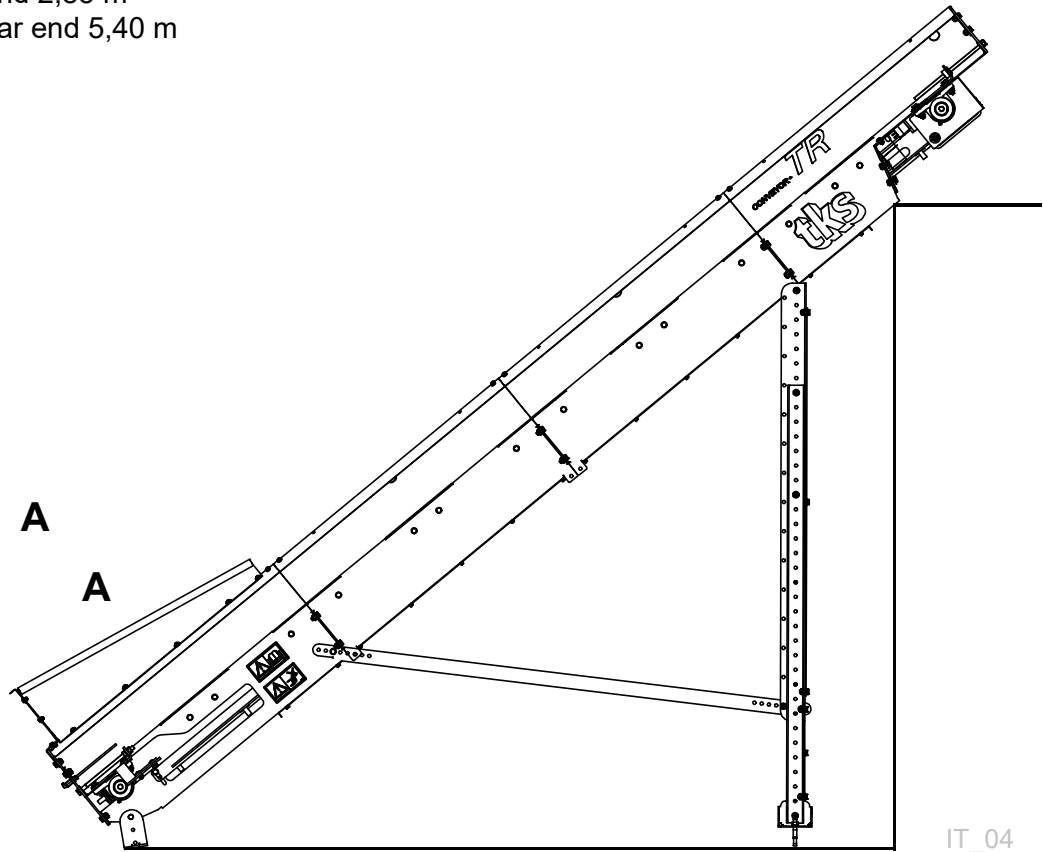
The refilling funnel (A) should be used on slopes. Max slope is 35°  
See extra equipment.

**Example:**

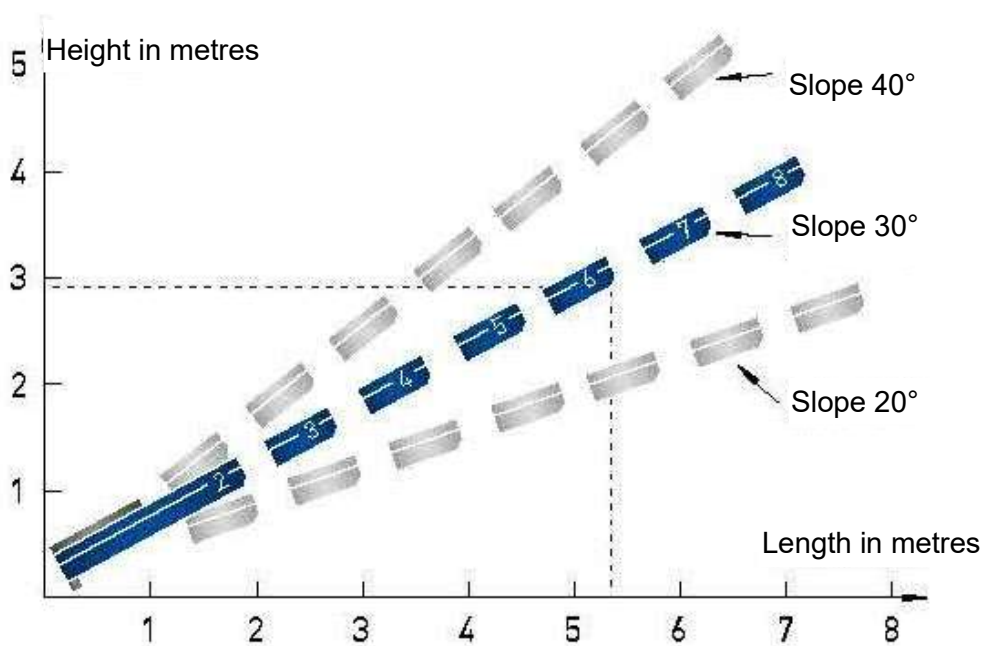
Conveyor TR length of 6 m. Slope 30°

Height to top end 2,85 m

Length from rear end 5,40 m



IT\_04



IT\_02



## 1.5 Safety



Please pay particular attention to this symbol. It designates a safety risk, and describes precautions that must be taken to avoid accidents

Before operating, adjusting or repairing the machine, the user, technician or owner should familiarise himself with the safety instructions contained in this installation manual.

Using the equipment for the first time:  
It is important to drive carefully in the beginning in order to adjust the driving pattern to local conditions and to the consistency of the bales. Please note that this affects functionality / mode of operation. Proceed carefully.

**Safety at work is your responsibility!**

**Please read and understand these general safety instructions.**

### 1.5.1 General safety instructions



#### **Use of the machine**

The machine must only be used for the purpose for which it is designed.

#### **The machine's method of operation**

The operator must familiarise himself with the machine's method of operation and function so that the machine can be used in a safe and appropriate manner.

#### **Keep a safe distance**

Humans and animals must be kept away from the machine when it is in operation.  
Keep your distance from working, rotating and moving parts

#### **Think safety at work**

Never climb on the machine while it is operating. If maintenance must be carried out, the power supply must be disconnected.

#### **Protective screens**

Check that all screens are in order and correctly fitted. Do not start the machine until this has been done. Damaged screens must be repaired or replaced immediately.

#### **Spare parts**

For safety reasons we recommend that you only use original spare parts. The use of third-party spares invalidates the product guarantee.

**Maintenance**

Make sure that the machine is maintained satisfactorily and kept in good condition.

Never make alterations to the machine's structures.

**The machine's working area**

This must be physically cordoned off or locked in order to prevent hazards for people and animals.

## 1.5.2 Additional safety- instructions

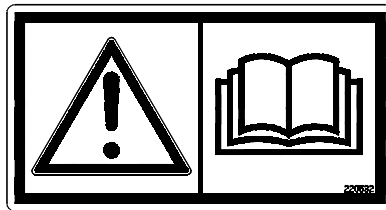


Fig. 1

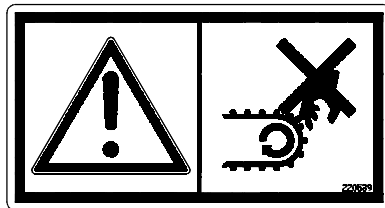


Fig. 2

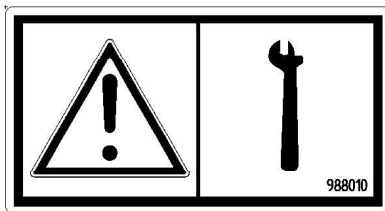



Fig. 3

The machine is marked with  a warning signs. If these signs are damaged, they must be replaced. The order number is shown on the illustrations in this section.

**Fig. 4** for their location on the machine.

### **Warning sign UH220532 (Fig. 1)**

Ensure that you read and understand the instruction manual before using the machine, and before making any adjustments or performing any maintenance.

### **Warning sign UH220539 (Fig. 2)**

Finger fracture warning sign. Risk of finger fracture if fingers are trapped between the carrier and lower frame.

### **Warning sign 988010 (Fig. 3)**

**NB!** The carrier on the elevator belt and the chain on the elevator must be kept tight. It is therefore important and necessary to retighten the screws regularly.

### 1.5.3 Overview of safety risks

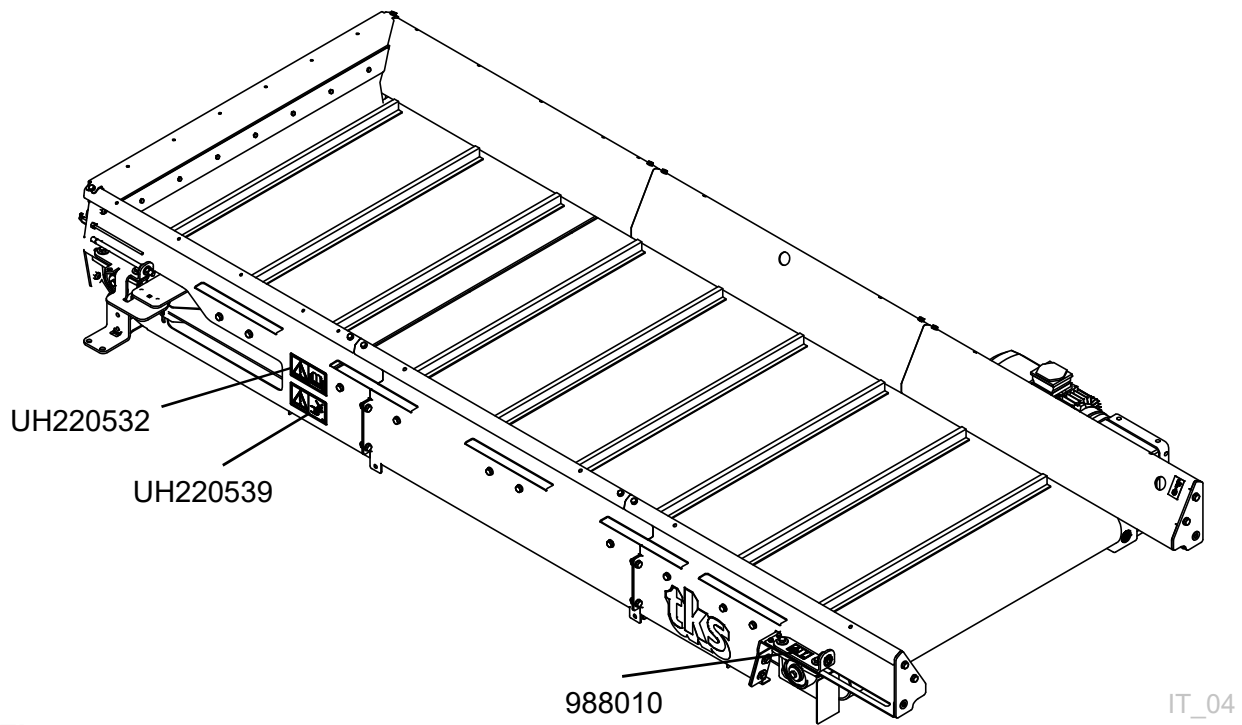


Fig. 4

### 1.5.4

#### Lifting the machine with a crane

Only use approved lifting equipment.  
The machine must be lifted from the points marked with a lifting symbol. **See Fig. 5**

##### **Caution!**

Ensure that no-one is under or close to the machine when it is being lifted.

Lift the machine using a strap attached to the main frame of the machine, so that the lift is balanced.

Check that the straps are properly fixed before starting the lift.

Use an extra strap to help keep the machine in position.

### 1.5.5

#### New machine – caution



##### **Read the operator's manual**

Be particularly careful when starting a new machine for the first time. Installation faults.

Be particularly careful when starting a new machine for the first time. Installation faults, incorrect operation, etc. may lead to expensive repairs and loss of earnings. The TKS product guarantee does not cover damage resulting from failure to follow the recommendations contained in the instruction manual.

Please pay particular attention to this symbol. It is used to highlight important information, to help prevent incorrect installation and operation.

##### **Pay particular attention to the following when commissioning a new machine:**

Check that the machine is correctly installed and that it is not damaged.

##### **Lubricate the machine where shown on Fig. 8 in Section 3 on Maintenance**

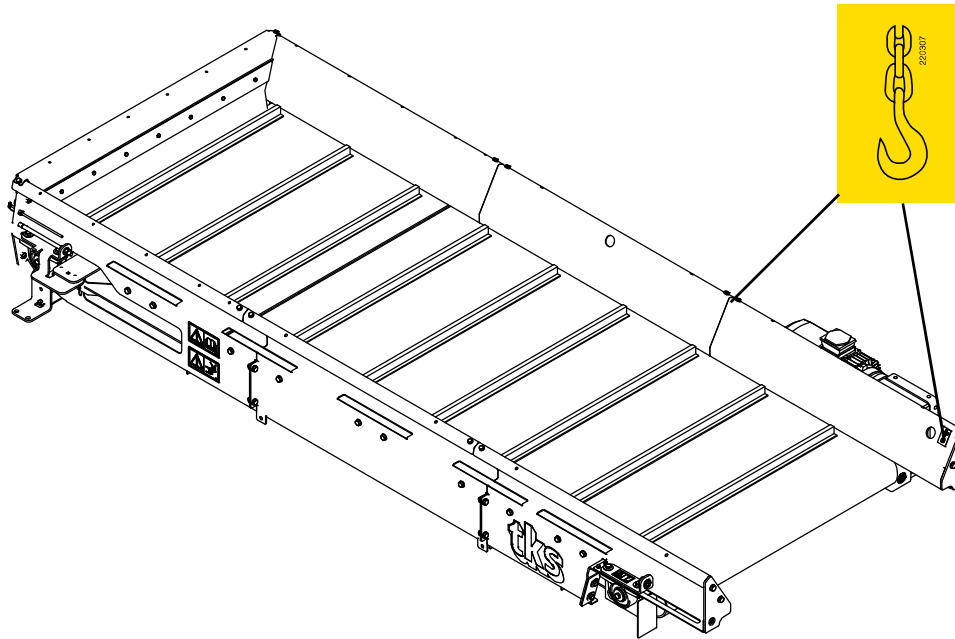


**Remember that the operator is responsible for the product being properly packed.**



### 1.5.6 Lifting point

The indicated lifting point must be used when lifting.



IT\_15

**Fig. 5**

## **1.6 Recycling - waste to resource -**

TKS's products rely on electrical and electronic components in order to work.

These fall under the generic term of EE products. TKS's products use typical components such as cables, switches, motors, control units, etc.

When TKS products are thrown away those components containing contaminants should be treated and sorted in such a way that they do not pollute the environment. Contaminants should be taken care of safely.

Distributors are obliged to accept EE waste from products in the range of goods they sell.

This waste should be kept safe and sent on to an approved waste recipient or treatment plant.

EE waste must be sorted and transported in such a way that it is not damaged or destroyed.

If you need further information on the treatment of EE waste, please contact your distributor.

**Regards**

**TKS Agri AS**



## 2 Preparing a new machine

The Conveyor TR is packed and delivered as per the illustration. **See Fig. 6**

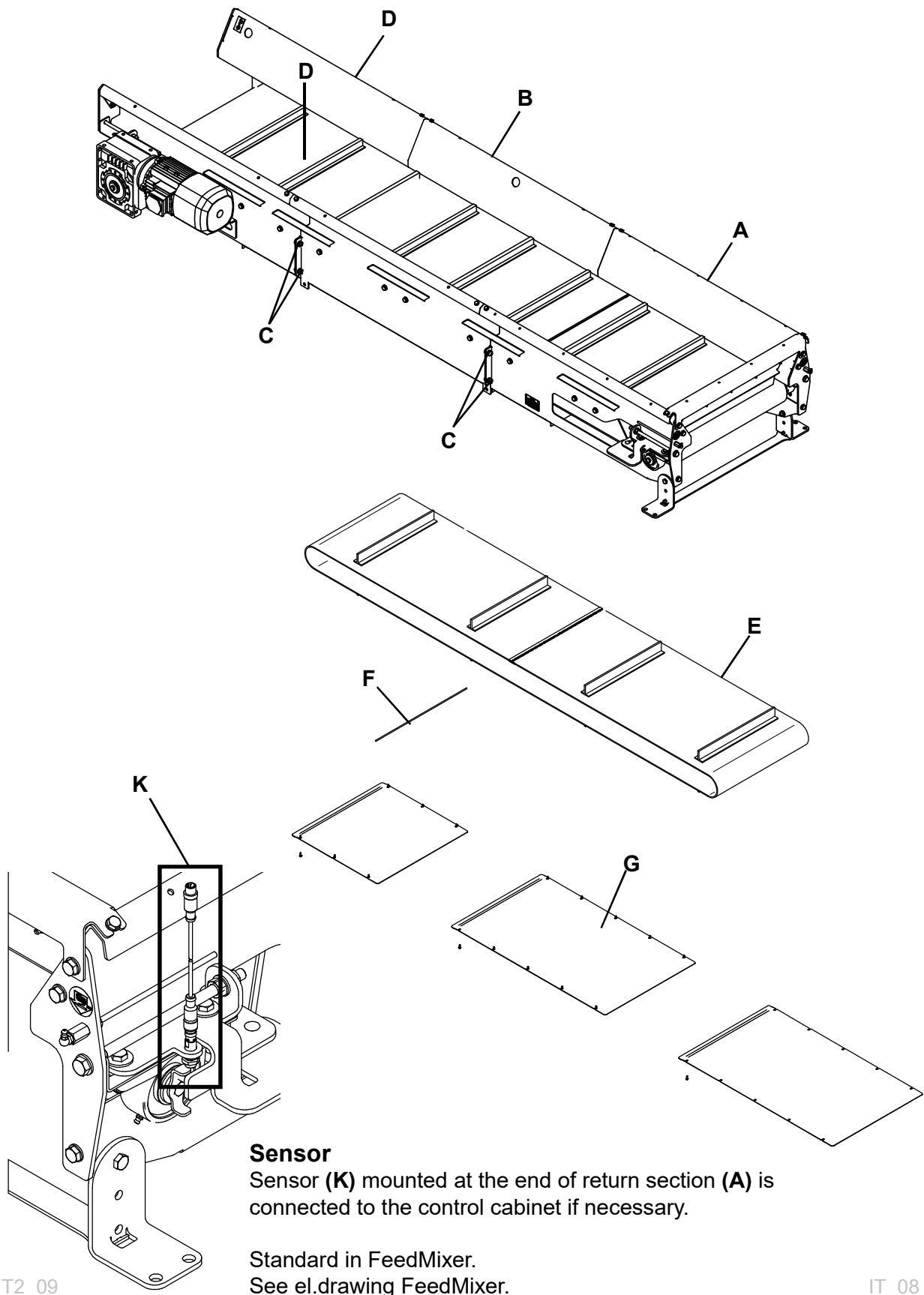


Fig. 6

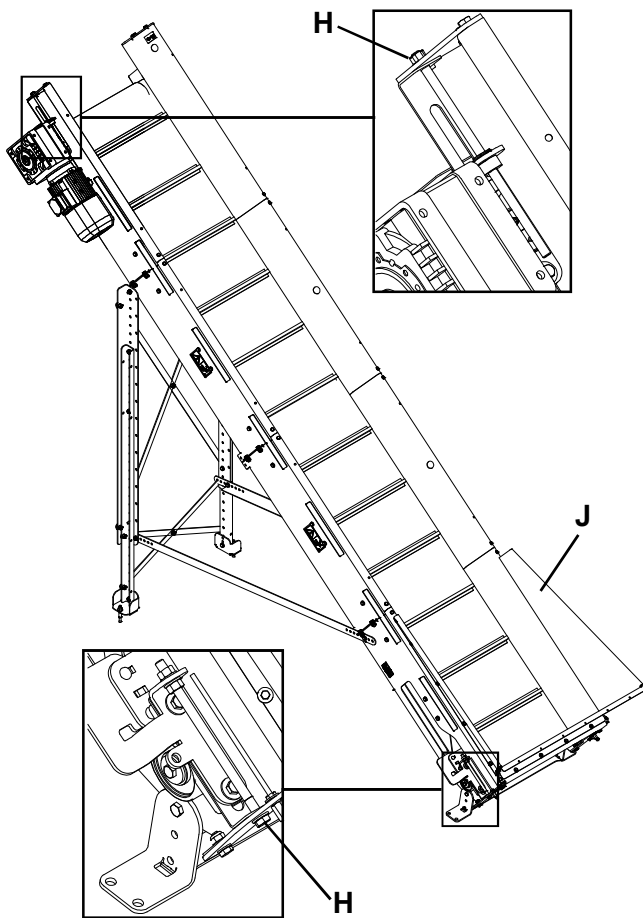


Fig. 7a

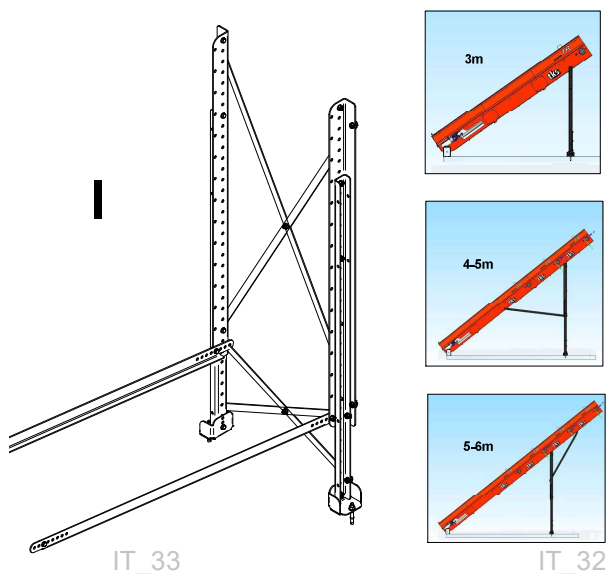


Fig. 7b

Conveyor TR arrives in sub-assembled sections **(A - B - D)**. See Fig. 6

When assembling the TR Conveyor TR, remember to dispose of any cardboard, straps and plastic in an environmentally friendly manner.

#### Fitting of new Conveyor TR:

- Fit a 1 m return section **(A)** together with one or more mid-sections **(B)**, depending on the required length.
- Fit the sections together in the splice plates **(C)** using the associated screws.
- Then fit a 1 m operating section with a gear motor **(D)** at the end of the Conveyor TR
- Thread the belt and carrier **(E)** on and lock in position using a belt splice pin **(F)**.
- When the belt has been threaded into position, fit the base plates **(G)** to the underside of the Conveyor TR using the associated screws.
- Check that the belt tracks straight. This is done by tightening/slacken the screws **(H)** on the driving roller on the return section on both sides. Tighten the belt so that it doesn't spin on the driving roller.

#### See Fig. 7

If the Conveyor TR is to be installed on a slope using a supporting foot **(I)** and the slope exceeds 35°, a refilling funnel **(J)** may be used instead.

#### See Fig. 7a and 7b

#### Supporting foot

The supporting foot **(I)** is supplied as extra equipment.

Flat-packed with associated screws.

See the fitting instructions in Fig. 7b

## 2.1 Installing the power supply

All electrical installations must be carried out by an authorised electrician.  
Use a supply cable with the correct cross section (2,5 mm<sup>2</sup>)

**Adjust the motor protection to a suitable current draw:**

230V = 11A

400V = 6,33A

## 3 Maintenance and care

### Checklist for maintenance and care



**NB! Always unplug the machine before carrying out inspection maintenance or repair.**

- Clean the Conveyor TR belt, foot bearing, drum and bearing shields as and when necessary and at least once a month.
- The carrier belt must be kept taut. This is particularly important during the initial operating period. Must be re-tightened every week during the first month of use. It is important to tighten it in order to avoid damage to the carrier belt. It must not be tightened screw. Turn the screws an equal number of revolutions on each side.
- Lubricate the foot bearing
- The oil in the worms should not be exposed to temperatures below -30 C°. For the machine to function optimally below -30 C°, contact the manufacturer for advice and guidance.

**Screw and bolt torque:**

<b>M6</b>	11 Nm
<b>M8</b>	27 Nm
<b>M10</b>	53 Nm
<b>M12</b>	91 Nm
<b>M16</b>	222 Nm
<b>M20</b>	434 Nm
<b>M24</b>	750 Nm

**Storing the  
Conveyor TR**

If the Conveyor TR is to be left unused for some time, do the following:

**NB!**

**TKS recommends using compressed air when cleaning.**

**Obs!**

**TKS does not recommend high-pressure washers when cleaning equipment.  
Water may seep through the seals!**

- Check the carriers, bearings and guards for damage.
- Lubricate the Conveyor TR in accordance with the lubrication schedule.
- Rectify any damage to the varnish.
- The Conveyor TR should ideally be used indoors or under cover.

### 3.1 Lubrication

Component / location		Quantity	Action	Operating
1	Lubricating nipple - bearings operating	1	Lubrication	10 h
2	Lubrication nipple - bearings return side	1	Lubrication	10 h

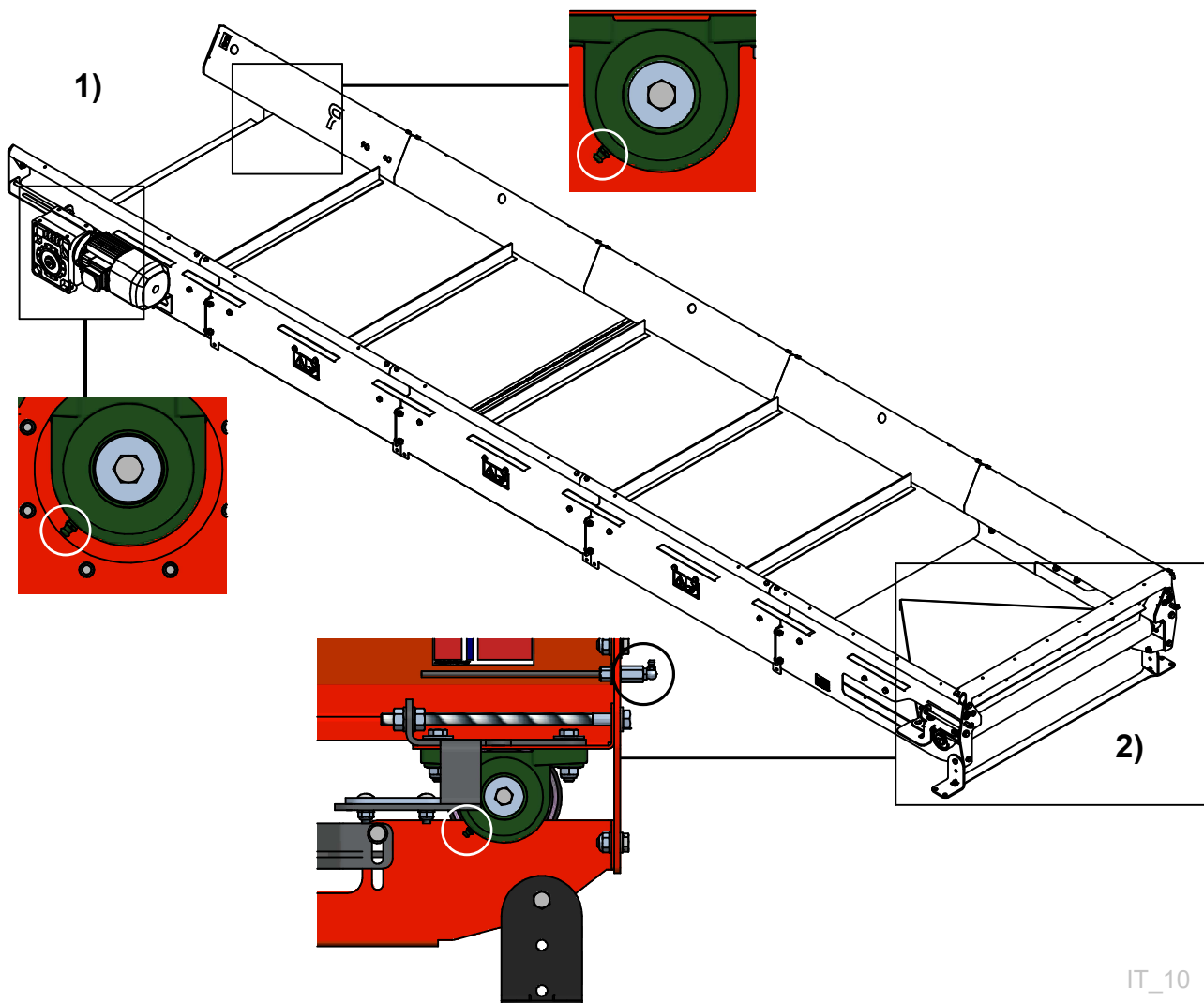
### Oil change, worm

Amount 0,14 litre

AGIP	KLUBER	SHELL	MOBIL
Telium VSF 320	Syntheso D220 EP	Tivela Oil WB	Glygoil 30 SHC 630

**Recommended grease:** Ruysdael WR2 Q8 oils

**Recommended oil:** Shell Tivela oil S-220



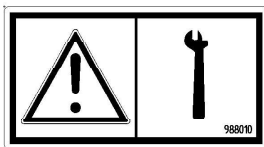
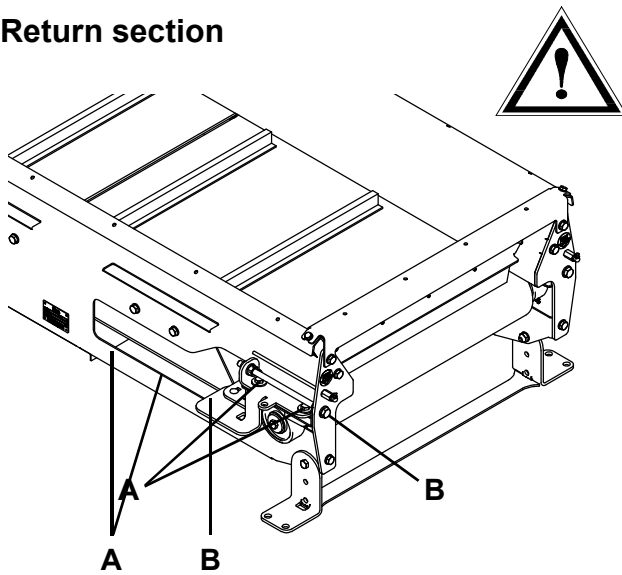
IT\_10

Fig. 8



## 3.2 Tightening the belt

### Return section



IT\_10

Fig. 9a

It is important that the belt is taut. This should be checked at regular intervals.

- Before tightening the belt, the bearing must be loosened at the two locking screws **(A)** on both sides.
- The actual tightening is carried out by turning the tightening screw **(B)** on both sides of the return side.

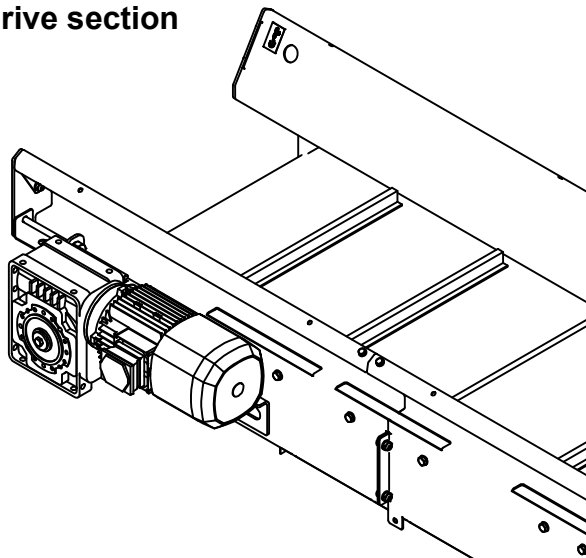
**See Fig. 9**

### NB!

It is important to re-tighten the belt after just one or two days, as paint etc. can be worn off and result in slack in the carrier belt.

- Remember to turn the tightening screws on both sides an equal number of revolutions.
- Run the belt unloaded after tightening to check that everything works satisfactorily.

### Drive section



IT2\_07

Fig. 9b

### 3.3 Remove liner residue from scraper

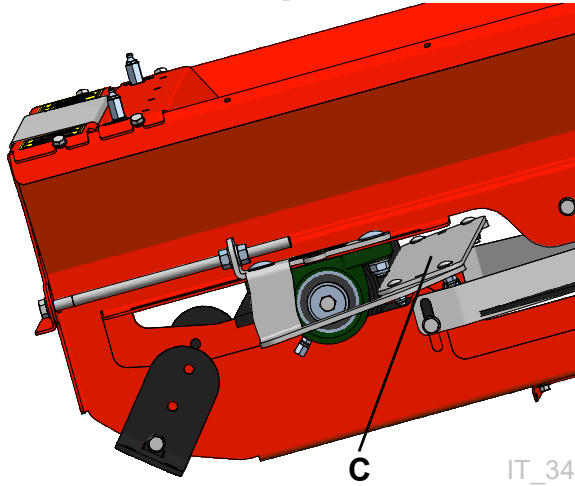


Fig. 10

IT\_34

#### **NB!**

After using the Conveyor TR, the liner residue should be removed from the scraper (**C**) with a stick periodically.

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## **4 Reservedelsliste / Spare parts list**

### **Conveyor TR**

<b>Gyldig fra serienr.:/Valid from serial no.</b>
---

#### **Ved bestilling av deler må en merke seg følgende:**

Oppgi alltid serienummer. Dette står på identifiseringsskiltet.

Oppgi delenummer og benevnelse.

Referansenummeret brukes bare for å sammenholde deletegning av betegnelse i lista og skal derfor oppgis.

#### **Please note the following when ordering spare parts:**

It should always be referred to serial number. This is found on the identification plate.

The spare parts number and description should be used.

The reference number is used only to help identifying the spare part on the illustration.

**Supplied by:**



<b>Innhold</b>	<b>Content</b>	<b>Fig.</b>	<b>Side/Page</b>
<b>DRIFT SEKSJON</b>	<b>DRIVE SECTION</b>	1	30
<b>MIDT SEKSJON</b>	<b>MIDDLE SECTION</b>	2	32
<b>RETUR SEKSJON</b>	<b>RETURN SECTION</b>	3	34
<b>FOT STATIV 3-6M 20-40°</b>	<b>SUPPORTING FOOT 3-6M 20-40°</b>	4	36
<b>FOT STATIV 5-9M 20-40°</b>	<b>SUPPORTING FOOT 5-9M 20-40°</b>	5	38
<b>PÅFYLLINGSTRAKT - KARMSETT</b>	<b>LOADING FUNNEL - FRAME KIT</b>	6	40
<b>STYRESKAP 27716 / 27718</b>	<b>CONTROL CABINET 27716 / 27718</b>	7	42
<b>STYRESKAP 27702 / 27703</b>	<b>CONTROL CABINET 27702 / 27703</b>	8	44

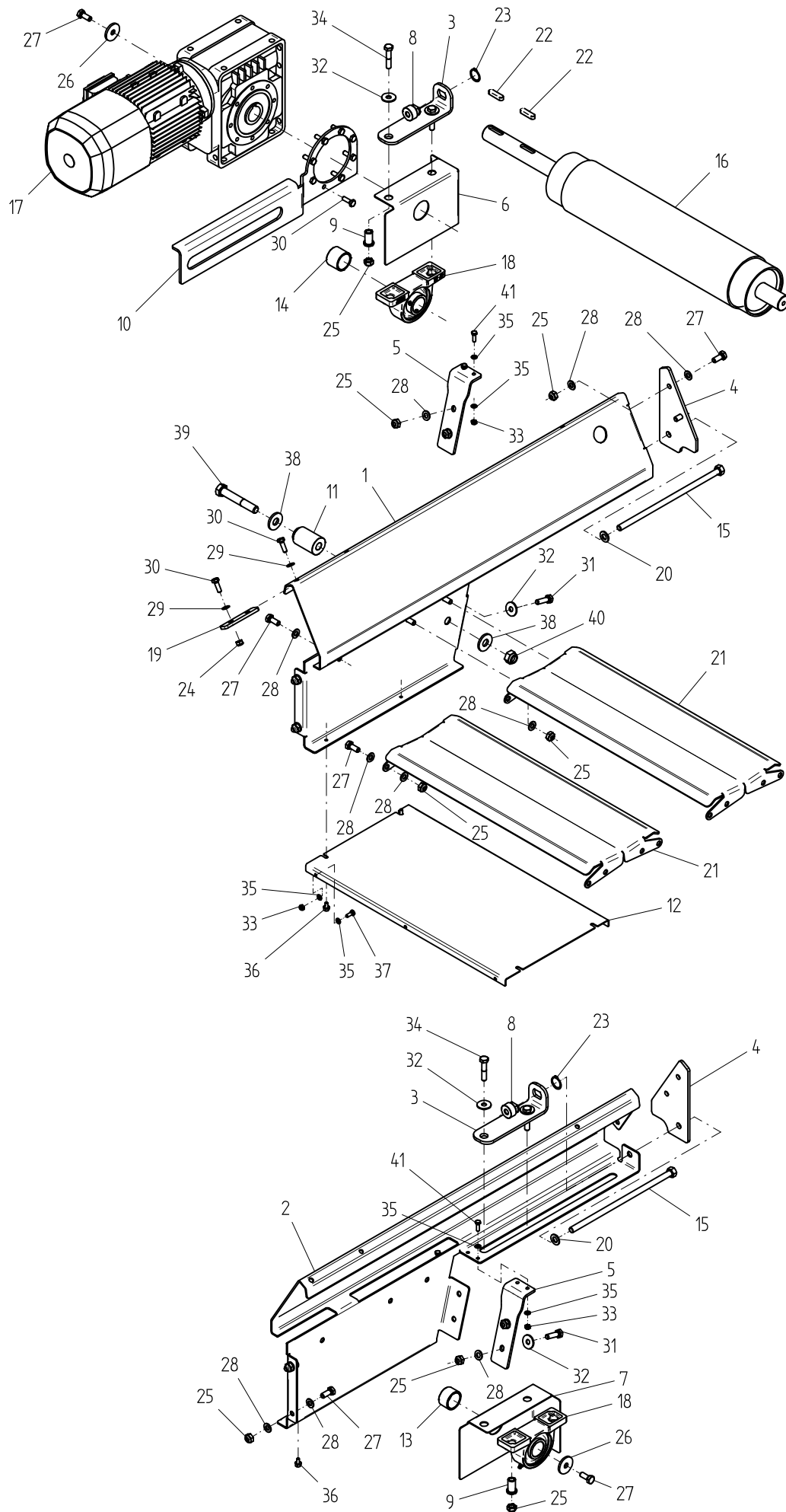


Fig. 1

T2\_01

Utgave: Issue:		1	Redskap: Implement:		CONVEYOR TR	
Dato: Date:		01-20	Enhet: Unit:		DRIFT SEKSJON DRIVE SECTION	
				Fig: 1		
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:	Description:	Anmerkning: Note:	
1	274151	1	SIDEPLATE DRIFT V.	SIDE PLATE DRIVE LH		
2	274152	1	SIDEPLATE DRIFT H.	SIDE PLATE DRIVE RH		
3	274153	2	STRAMMEJERN	CONNECTION BRACKET		
4	274154	2	STRAMMESTØTTE	PLATE		
5	274155	2	FORSTERKER	AMPLIFIER PLATE		
6	274156	1	LAGERDEKKE DRIFT V.	COVER PLATE LH		
7	274157	1	LAGERDEKKE DRIFT H.	COVER PLATE RH		
8	274159	2	GJENGEDEL	THREADED BUSHING		
9	274160	4	HYLSE Ø16	COLLAR D16		
10	274161	1	MOTORPLATE	MOTOR PLATE		
11	274162	1	HYLSE	COLLAR		
12	274230	1	BUNN DRIFT RETUR 1000	BOTTOM PLATE RETURN 1000		
13	274148	2	HYLSE Ø35	COLLAR D35		
14	274178	1	HYLSE Ø35	COLLAR D35		
15	274393	2	BOLT M12x310	BOLT M12X310		
16	274220	1	TROMMEL DRIFT MONT 1000MM	DRUM DRIVE 1000MM		
17	925036	1	SNEKKE M/MOT 1500 OMB 3,0 kW	WORM W/MOTOR 1500 REV.	230/400V	
18	G66102	2	FOTLAGER UCP 207 35MM.	PLUMMER BLOCK		
19	273626	2	SKJØTE ORVEL, C-C 50	CONNECTION PLATE, C-C 50		
20	920155	2	BRIKKE M12/Ø24/2,5MM	WASHER M12/D24/2,5MM		
21	274228	2	FØRINGSPLATE 1000	GUIDING PLATE 1000		
22	920311	2	KILE 10X8X40 M/RUNDE ENDER	KEY10X8X40 W/ROUND ENDS		
23	921001	2	SEGERRING A-25 Ø25x1,2	CIRCLIP A-25 DIN 471 25x1,2		
24	917202	4	LÅSEMUTTER M8 NYLOCK	SELF LOCK NUT M8		
25	917204	24	LÅSEMUTTER M10	SELF LOCK NUT M10		
26	920225	2	BRIKKE M10/Ø40/4MM	WASHER M10/D40/4MM		
27	911006	18	6KT. SKRUE M10X25	HEX. BOLT M10X25		
28	920262	36	BRIKKE M10/Ø20/2MM	WASHER M10/D20/2MM		
29	920165	4	BRIKKE M8/Ø16/1,6MM	WASHER M8/D16/1,6MM		
30	910823	12	6KT. SKRUE M8X25	HEX. BOLT M8X25		
31	911013	4	6KT. SKRUE M10X35	HEX. BOLT M10X35		
32	920204	8	BRIKKE M10/Ø30/2,5MM	WASHER M10/D30/2,5MM		
33	917201	8	M6 LÅSEMUTTER 6KT	M6 SELF LOCK NUT		
34	911047	4	6KT. SKRUE M10X50	HEX. BOLT M10X50		
35	920152	16	BRIKKE M6/Ø12,5/1,6MM	WASHER M6/D12,5/1,6MM		
36	910614	4	6KT. SKRUE M6X12 M/FLENS	HEX. BOLT M6X12 W/FLANGE		
37	910603	4	6KT. SKRUE M6X16	HEX. BOLT M6X16		
38	920250	2	FJÆRSKIVE Ø17/Ø39/4MM	SPRING PLATE d17/D39/4MM		
39	911617	1	6KT. SKRUE M16X100	HEX. BOLT M16X100		
40	917206	1	LÅSEMUTTER M16	LOCK NUT M16		
41	910606	4	6KT. SKRUE M6X20	HEX. BOLT M6X20		

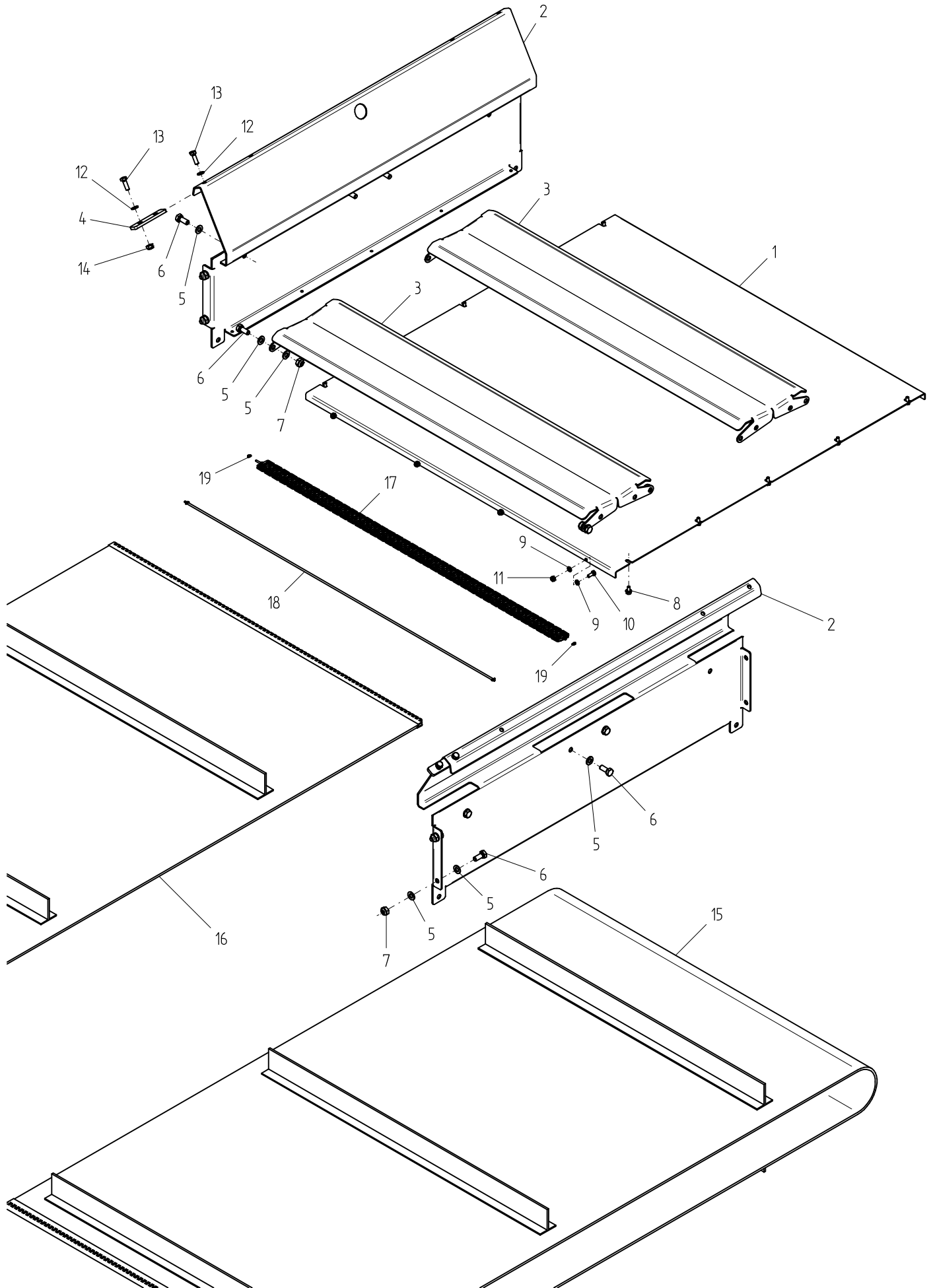



Fig. 2

T3\_02



Utgave: Issue:		1		Redskap: Implement:		CONVEYOR TR			
Dato: Date:		02-20		Enhet: Unit:		MIDTSEKSJON MIDDLE SECTION			
						Fig:		2	
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:	Description:			Anmerkning: Note:		
1	274229	1	BUNN LANG	BOTTOM PLATE LONG					
2	274186	1	SIDEPLATE MIDTSEKSJON	SIDE PLATE MIDDLE SECTION					
3	274228	2	FØRINGSPLATE	GUIDING PLATE 1000MM					
4	273626	2	SKJØTE ORVEL, C-C 50	CONNECTION PLATE					
5	920262	24	BRIKKE M10/Ø20/2MM	WASHER M10/Ø20/2MM					
6	911006	12	6KT. SKRUE M10X25	HEX. BOLT M10X25					
7	917204	12	LÅSEMUTTER M10	SELF LOCK NUT M10					
8	910614	10	M6X12 6KT M/FL. SELVGJENGENDE	HEX. BOLT M6X12 W/FLANGE					
9	920152	8	M6/Ø12,5/1,6MM	WASHER M6/D12,5/1,6MM					
10	910603	4	6KT. SKRUE M6X16	HEX. BOLT M6X16					
11	917201	4	M6 LÅSEMUTTER 6KT	M6 SELF LOCK NUT					
12	920165	4	SKIVE M8/Ø16/1,6MM	BRIKKE M8/Ø16/1,6MM					
13	910823	4	6KT. SKRUE M8X25	HEX. BOLT M8X25					
14	917202	4	LÅSEMUTTER M8 NYLOCK	SELF LOCK NUT M8					
15	273734	1	BELTE M/MEDBRINGER KOMPL.	CONVEYOR BELT ASSY.			FOR 4M		
16	273735	1	BELTE M/MEDBRINGER KOMPL.	CONVEYOR BELT ASSY.			FOR 1M		
17	272507	1	BELTESKJØT M/WIRE 1000 mm	JOINT PIN 600MM					
18	272508	1	SKJØTEWIRE M/SKIVER	JOINT WIRE W/WASHER					
19	272603	2	WIRESKIVE Ø8/4x0,6mm FLEXCO	HINGE PIN RETAINING WASHER					

**Ved reparasjon må forhandler kontaktes. Skjøting krever bruk av spesial verktøy.  
Contact the dealer for repair. Splicing requires the use of special tools.**

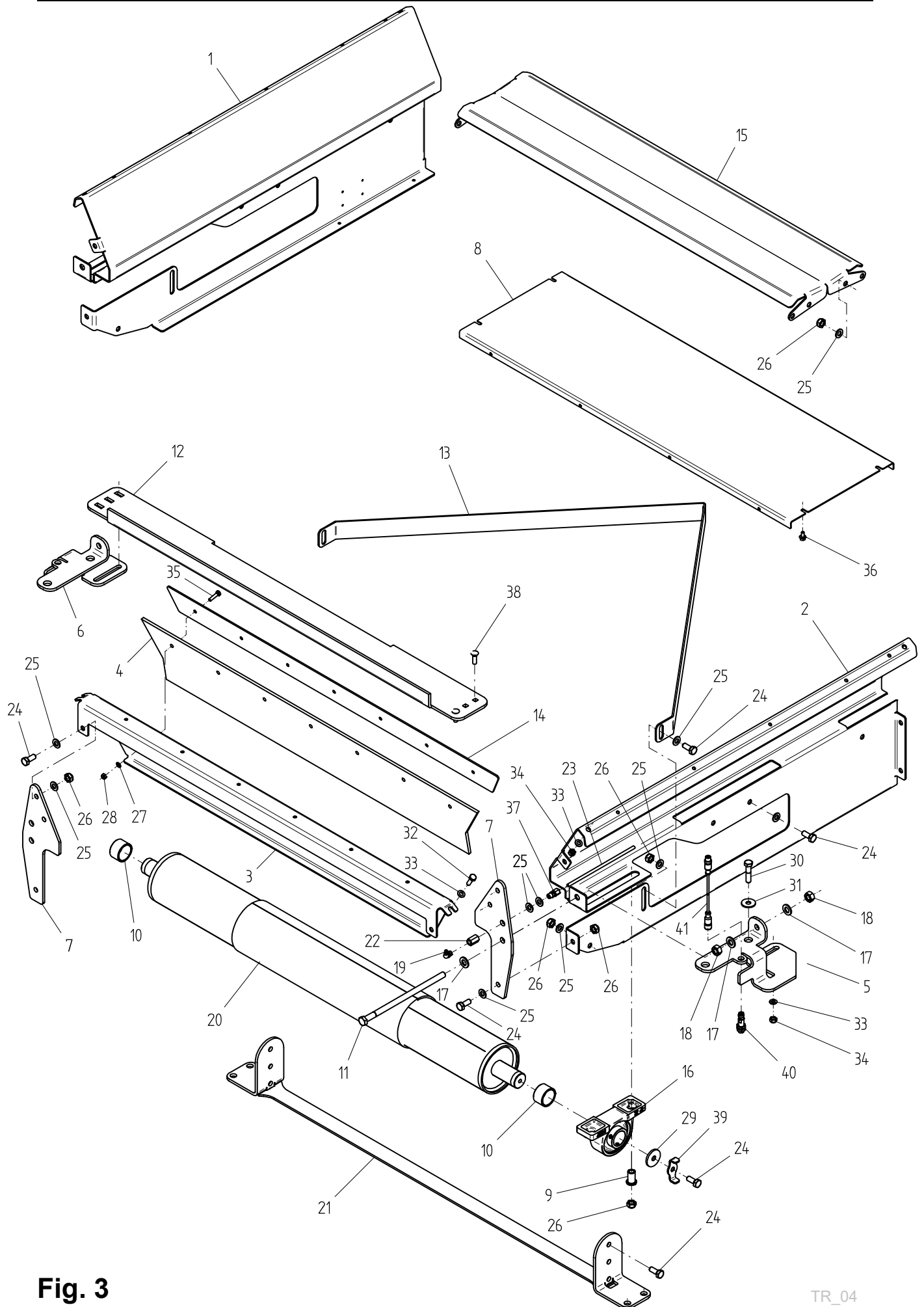


Fig. 3

TR\_04

Utgave: Issue:		1		Redskap: Implement:		CONVEYOR			
Dato: Date:		02-08		Enhet: Unit:		RETUR SEKSJON RETURN SECTION			
						Fig:		3	
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:	Description:			Anmerkning: Note:		
1	274138	1	SIDEPLATE RETUR V.	SIDE PLATE RETURN LH					
2	274139	1	SIDEPLATE RETUR H	SIDE PLATE RETURN RH					
3	274231	1	MIDTPLATE	PLATE					
4	274232	1	GUMMILIST	RUBBER LIST					
5	274143	1	STRAMMEJERN RETUR H	TENSION PLATE RETURN RH					
6	274142	1	STRAMMEJERN RETUR V	TENSION PLATE RETURN LH					
7	274144	2	STRAMMESTØTTE RETUR	SUPPORT PLATE RETURN					
8	274230	1	BUNN DRIFT RETUR	BOTTOM PLATE RETURN					
9	274147	4	HYLSE Ø16	BUSHING D16					
10	274148	2	HYLSE Ø35	COLLAR D35					
11	911296	2	6KT. SKRUE M12X280 HELGJ.	HEX. BOLT M12X280 THREAD.					
12	274225	1	AVSKRAPER	SCRAPER					
13	274226	1	BELTE AVSKRAPER	BELT SCRAPER					
14	274227	1	KLEMLIST	CLAMP LIST					
15	274228	1	FØRINGSPLATE	GUIDING PLATE					
16	G66102	2	FOTLAGER UCP 207 35MM.	PLUMMER BLOCK					
17	920155	6	BRIKKE M12/Ø24/2,5MM	WASHER M12/D24/2.5MM					
18	917103	4	6KT. SKRUE M12 MUTTER	HEX.NUT M12 ZINK					
19	UH873551	2	SMØRENIPPEL M10x1 90°	GREASE NIPPLE M10X1 90°					
20	274299	1	TROMMEL RETUR	DRUM RETURN					
21	274218	1	FOT	FOOT					
22	UH415760	2	ANSATS M10X1	FIRM SWIVEL M10X1					
23	UH931648	2	PLAST SLANGE Ø6 x 1,5	PLASTIC HOSE D6X1.5MM					
24	917055	16	6KT. SKRUE M10X25	HEX. BOLT M10X25					
25	920262	30	BRIKKE M10/Ø20/2MM	WASHER M10/D20/2MM					
26	917204	18	LÅSEMUTTER M10	SELF LOCK NUT M10					
27	920152	7	BRIKKE M6/Ø12,5/1,6MM	WASHER M6/D12,5/1,6MM					
28	917201	7	6KT. SKRUE M6 LÅSEMUTTER	SELF LOCK NUT M6					
29	920225	2	BRIKKE M10/Ø40/4MM	WASHER M10/D40/4MM					
30	911081	4	6KT. SKRUE M10X45	HEX. BOLT M10X45					
31	920204	4	BRIKKE M10/Ø30/2,5MM	WASHER M10/D30/2.5MM					
32	910823	2	6KT. SKRUE M8X25	HEX. BOLT M8X25					
33	920165	8	BRIKKE M8/Ø16/1,6MM	WASHER M8/D16/1.6MM					
34	917202	6	LÅSEMUTTER M8 NYLOCK	SELF LOCK NUT M8					
35	910601	7	6KT. SKRUE M6X25	HEX. BOLT M6X25					
36	910614	4	6KT. SKRUE M6X12 M/FL. SELVGJ.	HEX. BOLT M6X12 W/FLANGE					
37	UH415761	2	MUFFE M10X1	SLEEVE M10X1					
38	910814	4	LÅSESKRUE M8X25	LOCK SCREW M8X25					
39	272017	1	TELLEBRIKKE	COUNTING BRACKET					
40	916173	1	INDUKTIV GIVER M12	INDUCTIVE TRANSMITTER M12					
41	957722	1	CABLE, 10M M12 4PIN	CABLE, 10M M12 4PIN					

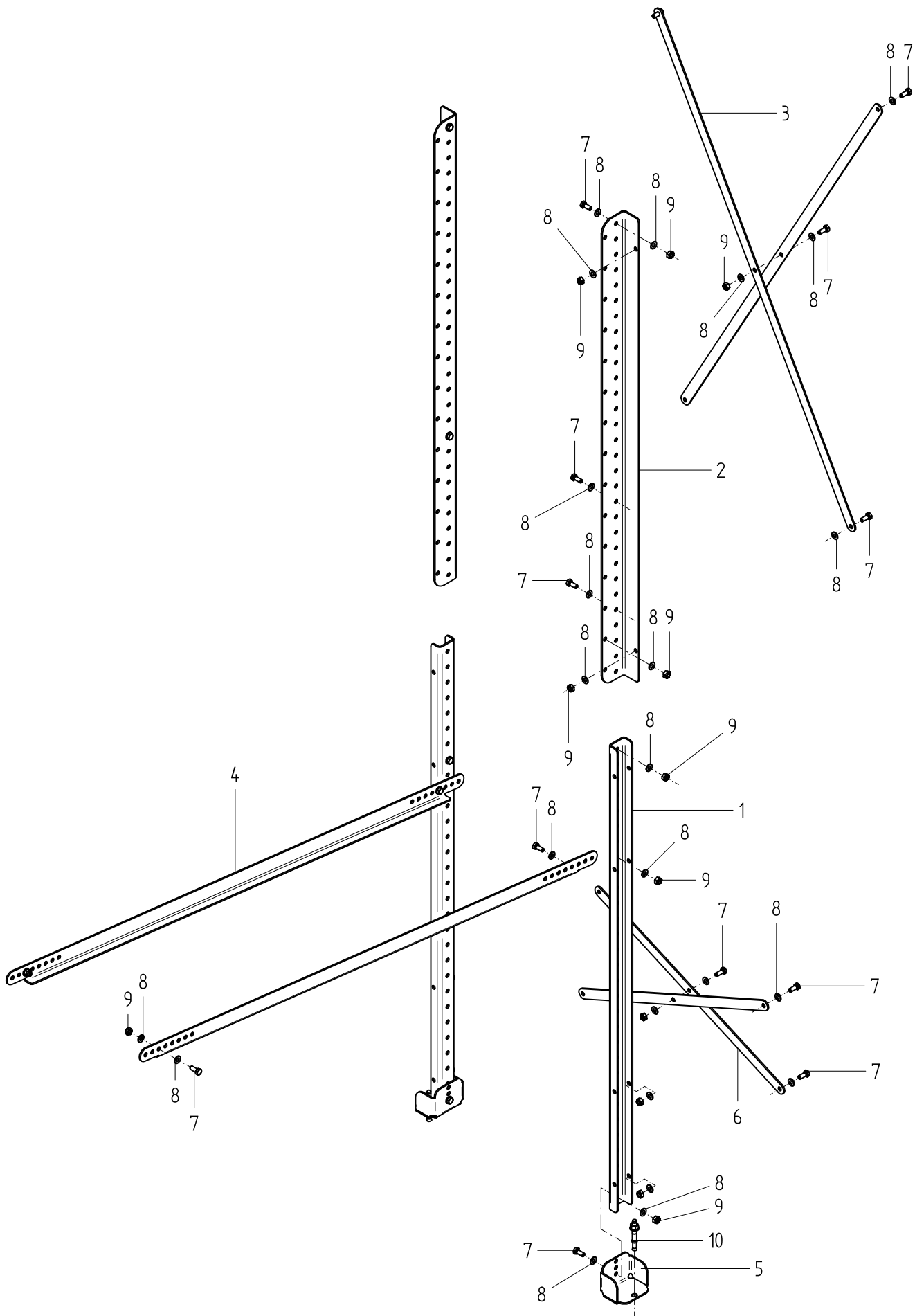



Fig. 4

Utgave: Issue:		1		Redskap: Implement:		CONVEYOR TR			
Dato: Date:		02-19		Enhet: Unit:		FOT STATIV 3-6m SUPPORTING FOOT 3-6m			
						Fig: 4			
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:		Description:			Anmerkning: Note:	
	29423		FOT STATIV - 3-6M 20-40 GR		SUPPORT - 3-6M 20-40 GR				
1	274081	2	NEDRE KANAL		LOWER CANAL				
2	274082	2	ØVRE KANAL		UPPER CANAL				
3	274239	2	ØVRE KRYSSTAG		UPPER CROSS STAY				
4	274084	2	STØTTEVINKEL		SUPPORT STAY				
5	274085	2	FOT		BASE PLATE				
6	274238	2	NEDRE KRYSSTAG		LOWER CROSS STAY				
7	911006	22	6KT. SKRUE M10X25		HEX. BOLT M10X25				
8	920187	44	BRIKKE M10/Ø21/2MM		WASHER M10/D21/2MM				
9	917199	22	LÅSEMUTTER M10		LOCK NUT M10				
10	911287	4	EKSPANSJONSBOLT M12x95		EXPANSION BOLT M12X95				

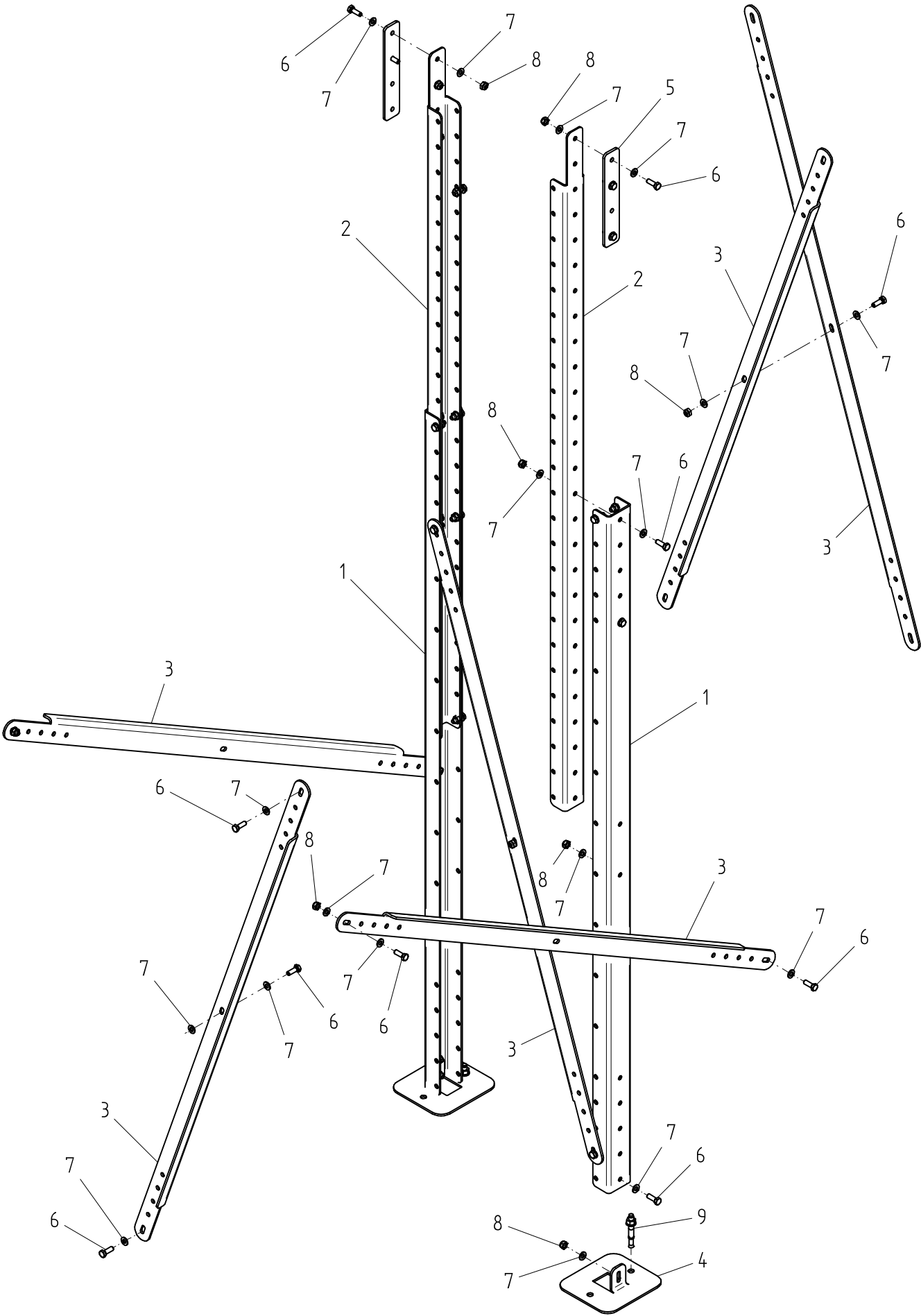


Fig. 5

Utgave: Issue:		1		Redskap: Implement:		CONVEYOR TR			
Dato: Date:		02-20		Enhet: Unit:		FOT STATIV 5-9m SUPPORTING FOOT 5-9m			
						Fig:		5	
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:	Description:			Anmerkning: Note:		
	29424		FOT STATIV 5-9m 20-40°	SUPPORTING FOOT 5-9m 20-40°					
1	273470	2	NEDRE KANAL	LOWER CANAL					
2	273471	2	ØVRE KANAL	UPPER CANAL					
3	273472	6	STAG	STAY					
4	273473	2	FOT PLATE	BASE PLATE					
5	278290	2	STØTTEPLATE	SUPPORT PLATE					
6	911063	32	6KT. SKRUE M10X30	HEX. BOLT M10X30					
7	920187	64	BRIKKE M10/Ø21/2MM	WASHER M10/D21/2MM					
8	917204	32	M10 LÅSEMUTTER 6KT 8 DIN 985	LOCK NUT M10					
9	911287	2	EKSPANSJONSBOLT M12X95	EXPANSION BOLT M12X95					

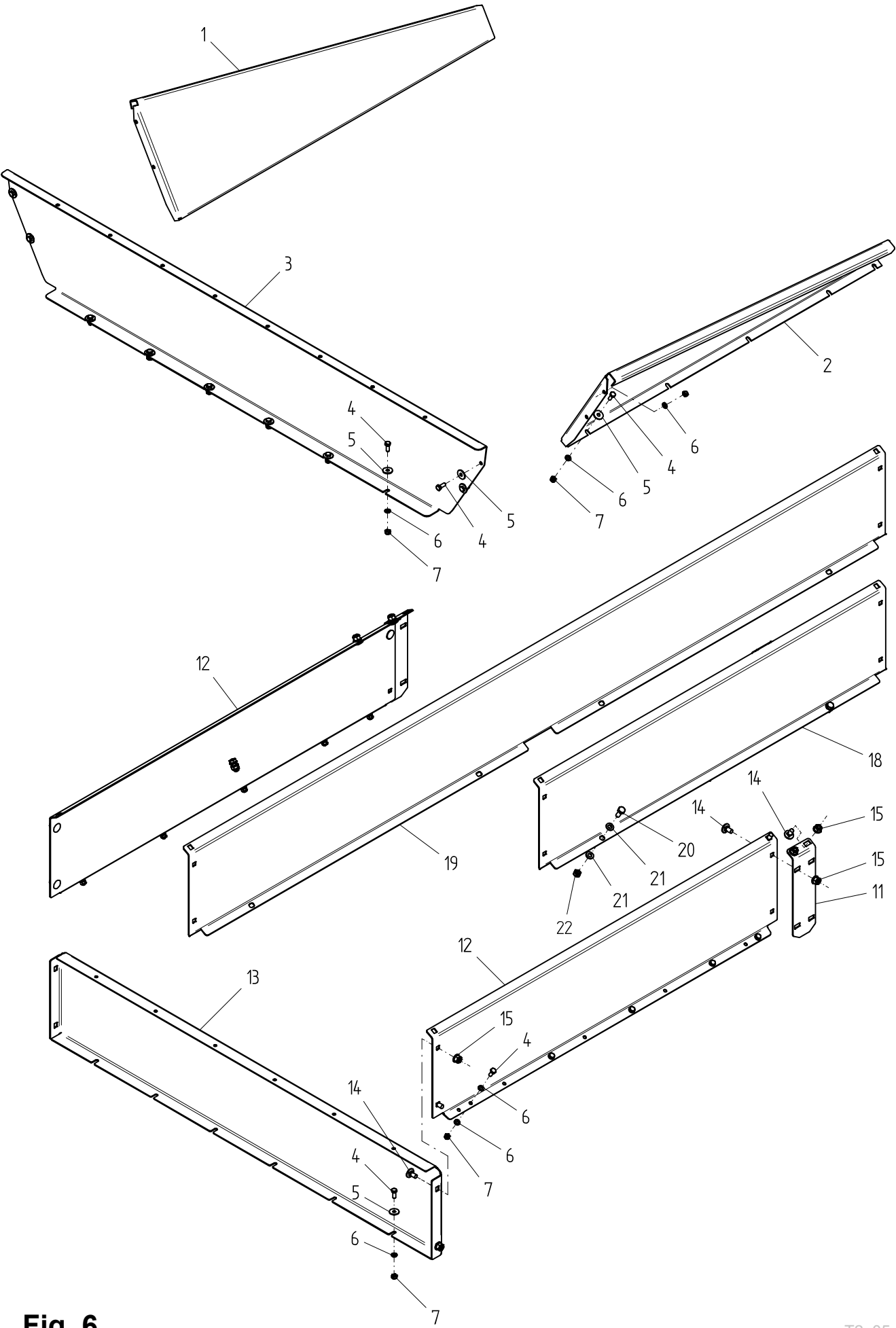


Fig. 6



Utgave: Issue:		1		Redskap: Implement:		CONVEYOR TR			
Dato: Date:		02-19		Enhet: Unit:		PÅFYLLINGSTRAKT - KARMSETT LOADING FUNNEL - FRAME KIT			
						Fig:		6	
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:	Description:			Anmerkning: Note:		
	29421		PÅFYLLINGSTRAKT	LOADING FUNNEL					
1	274149	1	TRAKT V	FUNNEL PLATE LH					
2	274150	1	TRAKT H	FUNNEL PLATE RH					
3	274217	1	TRAKT MIDT	FUNNEL END PLATE					
4	910603		6KT. SKRUE M6X16	HEX. BOLT M6X16					
5	920175		BRIKKE M6/Ø18/1,6MM	WASHER M6/D18/1,6MM					
6	920152		BRIKKE M6/Ø12,5/1,6MM	WASHER M6/D12,5/1,6MM					
7	917201		M6 LÅSEMUTTER 6KT	SELF LOCK NUT M6					
	29425		TRAKT FOR KARMSETT	FUNNEL FOR FRAME KIT					
11	274039	2	SKJØTEPLATE	CONNECTION PLATE					
12	274526	2	TRAKT SIDE	FUNNEL SIDE					
13	274527	1	TRAKT ENDE	FUNNEL END PLATE					
4	910603		6KT. SKRUE M6X16	HEX. BOLT M6X16					
5	920175		BRIKKE M6/Ø18/1,6MM	WASHER M6/D18/1,6MM					
6	920152		BRIKKE M6/Ø12,5/1,6MM	WASHER M6/D12,5/1,6MM					
7	917201		M6 LÅSEMUTTER 6KT	SELF LOCK NUT M6					
14	910901		LÅSESKRUE M8X16	LOCKING SCREW M8X16					
15	910912		LÅSEMUTTER M8 M/FLENS	NUT DIN 6926 STAINLESS					
5	920175		BRIKKE M6/Ø18/1,6MM	WASHER M6/D18/1,6MM					
6	920152		BRIKKE M6/Ø12,5/1,6MM	WASHER M6/D12,5/1,6MM					
7	917201		M6 LÅSEMUTTER 6KT	SELF LOCK NUT M6					
	27128		KARMSETT	FRAME KIT			1M		
	27129		KARMSETT	FRAME KIT			2M		
18	274184	2	KARMPATE	FRAME PLATE 1M			1M		
19	274188	2	KARMPATE	FRAME PLATE 2M			2M		
20	910808		6KT. SKRUE M8X20	HEX. BOLT M8X20			1M - 2M		
21	920165		BRIKKE M8/Ø16/1,6MM	WASHER M8/D16/1,6MM			1M - 2M		
22	917202		LÅSEMUTTER M8	LOCK NUT M8			1M - 2M		

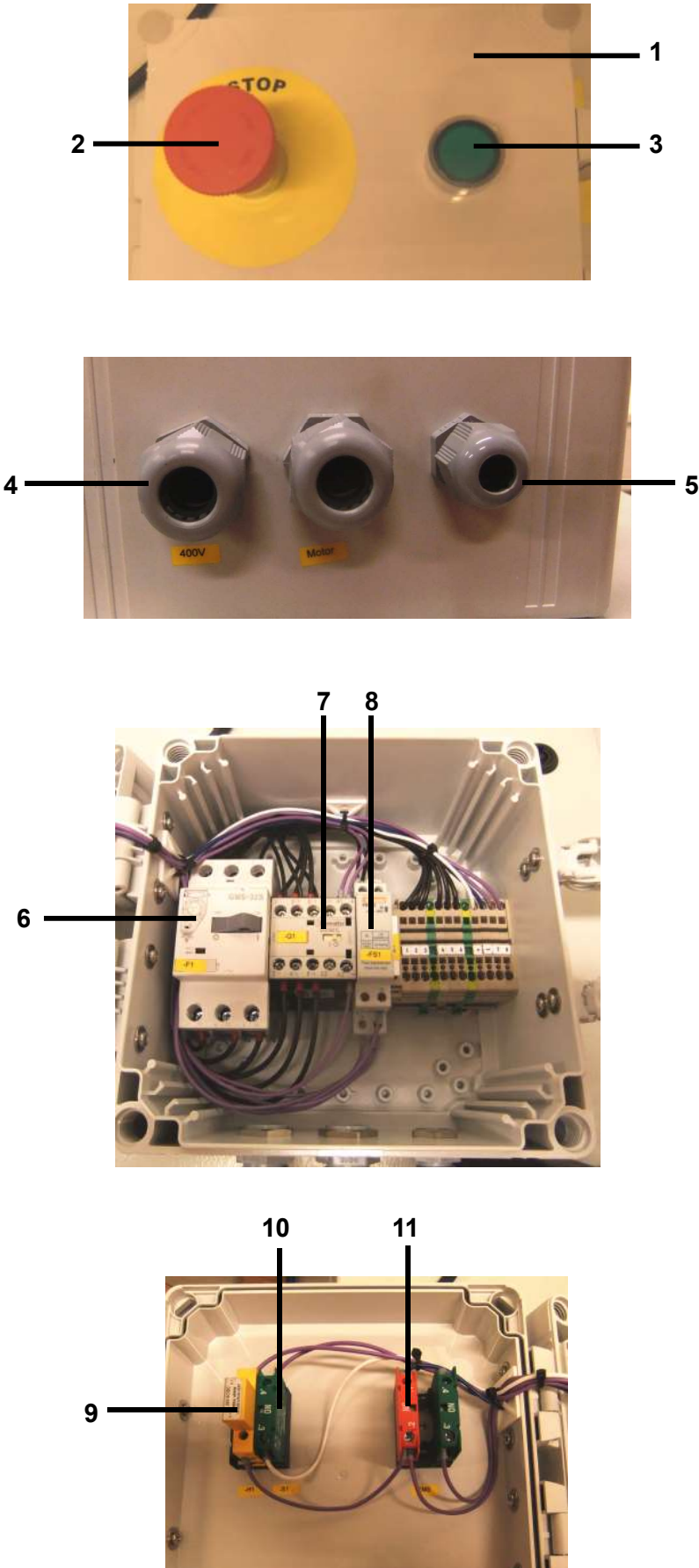



Fig. 7

Utgave: Issue:		1		Redskap: Implement:		CONVEYOR TR			
Dato: Date:		10-09		Enhet: Unit:		STYRESKAP 27716 / 27718 CONTROL CABINET 27716 / 27718			
						Fig:		7	
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:	Description:			Anmerkning: Note:		
1a	27718	1	STYRESKAP 400V AUTO	CONTROL CABINET 400V AUTO			400V		
1b	27716	1	STYRESKAP 230V AUTO	CONTROL CABINET 230V AUTO			230V		
2	951516	1	NØDSTOPPKNAPP TRYKK/VRI	EMERGENCY STOP BUTTON					
3	951517	1	BRYTER NO M GRØNT LYS, 8	SWITCH GREEN LIGHT					
4a	955014	2	PAKKN. M/STR PG 16 PLAST	GASKET PG 16 PLASTIC			400V AUTO		
4b	955049	1	PAKKN. M/STR M16 PLAST 3.5-10	GASKET PG 16 PLASTIC			230V AUTO		
5	955012	1	PAKKN. M/STR PG 11 PLAST	GASKET PG 11 PLASTIC			400V AUTO		
6a	951617	1	MOTORVERNBRYTER 4-6,5A	MOTOR-PROT. SWITCH 4-6A			400V AUTO		
6b	951510	1	MOTORVERNBRYTER 6.3-10A	MOTOR-PROT. SWITCH 6.3-10A			230V AUTO		
7a	951476	1	KONTAKTOR MINI 11 BG12 01	MINI CONTACTOR 11BG1201L02			400V AUTO		
7b	951476	1	KONTAKTOR MINI 11 BG12 01	MINI CONTACTOR 11BG1201L02			230V AUTO		
8a	951484	1	FASEOVERVÅKINGSRELE PMV10	PHASE MONITORING RELAY			400V AUTO		
8b	951484	1	FASEOVERVÅKINGSRELE PMV10	PHASE MONITORING RELAY			230V AUTO		
9	951502	1	LYS GRØNN, 8 LM2T LB3 24V	LIGHT GREEN 8 LM2T LB3 24V					
10	951500	1	BRYTERELEMENT NO,8 LM2T C10	SWITCH ELEMENT NO,8 LM2T C10					
11	951501	1	BRYTERELEMENT NC,8 LM2T C01	SWITCH ELEMENT NC,8 LM2T C01					

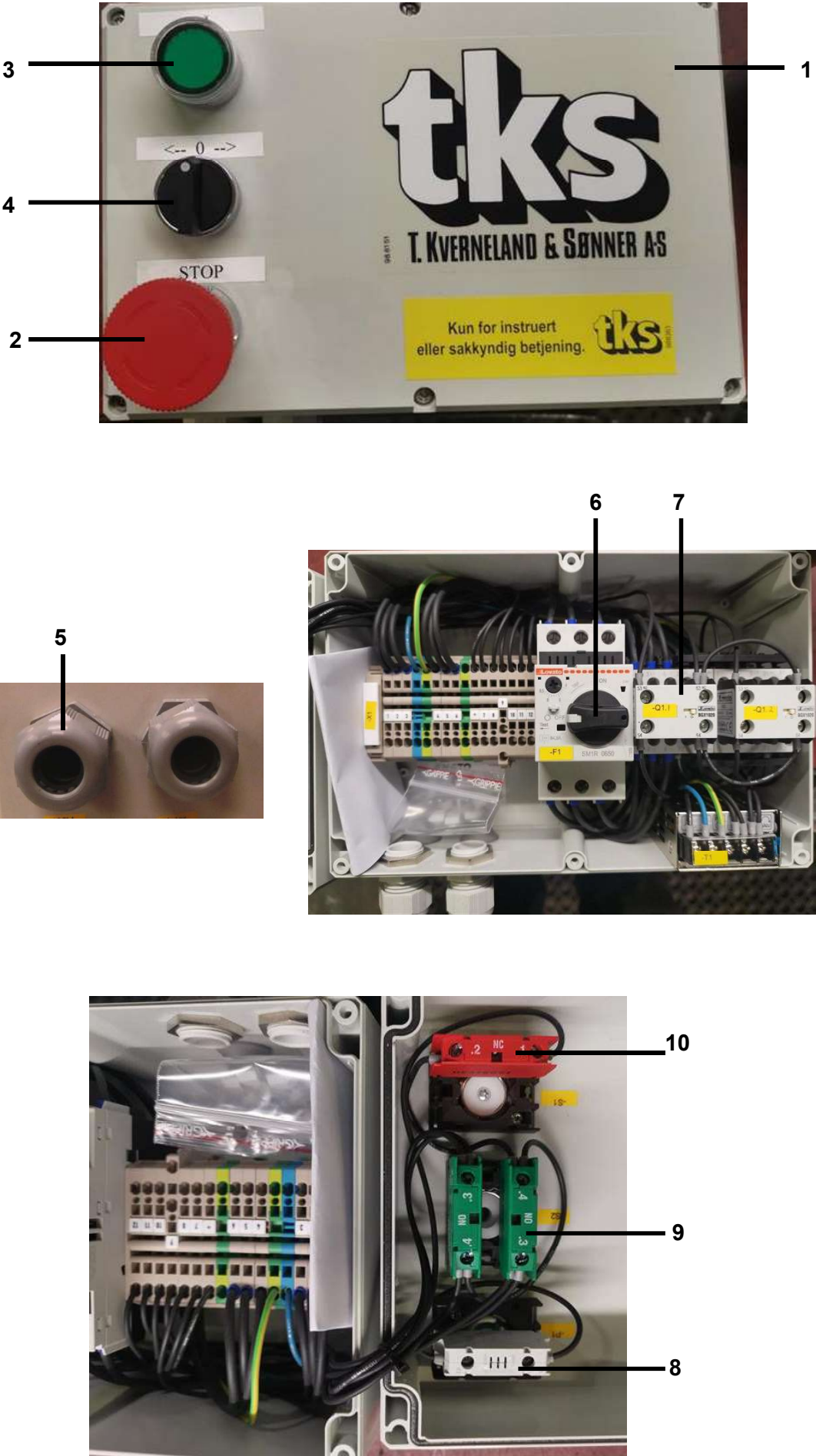



Fig. 8

Utgave: Issue:		1		Redskap: Implement:		CONVEYOR TR			
Dato: Date:		01-21		Enhet: Unit:		STYRESKAP 27702 / 27703 CONTROL CABINET 27702 / 27703			
Ref. No.	Delenr. Part nr.	Ant. Qty.	Gjenstand:		Description:			Anmerkning: Note:	
1a	27703	1	STYRESKAP 400V MAN / AUTO		CONTROL CABINET MAN / AUTO			400V	
1b	27702	1	STYRESKAP 230V MAN / AUTO		CONTROL CABINET MAN / AUTO			230V	
2	951516	1	NØDSTOPPKNAPP TRYKK/VRI		EMERGENCY STOP BUTTON				
3	951517	1	BRYTER NO M GRØNT LYS, 8		SWITCH GREEN LIGHT				
4	951496	1	BRYTER 8 LM2T S130 1-0-2		SWITCH 8 LM2T S130 1-0-2				
5	955022	2	PAKKN. M/STR M20 PLAST 5-12		NIPPLE SIZE M20 PLAST 5-12				
6a	958065	1	MOTORVERNBRYTER 9-14A		MOTOR-PROT. SWITCH 9-14A			230V	
6b	951617	1	MOTORVERNBRYTER 4-6,5A		MOTOR-PROT. SWITCH 4-6.5A			400V MAN/AUT	
6c	951510	1	MOTORVERNBRYTER 6.3-10A		MOTOR-PROT. SWITCH 6.3-10A			230V MAN/AUT	
7	951600	2	REVERSING CONTACTOR 12A		REVERSING CONTACTOR 12A			400V / 230V	
8	951502	1	LYS GRØNN, 8 LM2T LB3 24V		LIGHT GREEN 8 LM2T LB3 24V				
9	951500	2	BRYTERELEMENT NO,8 LM2T C10		SWITCH ELEMENT NO,8 LM2T C10				
10	951501	1	BRYTERELEMENT NC,8 LM2T C01		SWITCH ELEMENT NC,8 LM2T C01				

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