

# INSTRUCTION

MANUAL

## 8 – 10 – 12 TT



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01-02-2016

**FASTERHOLT**

TM



## **Introduction**

**Bording Type 6-8-10 TT Irrigation Machine.**

The Bording type 6-8-10 TT irrigation machine is of the hose reel type with coiling hose, which is pulled in during irrigation by means of a turbine. The hose drum is mounted on a turntable and the machine is fitted with a gun carriage lift, so the pull-out direction can be changed without moving the machine. The hose pull-in stops automatically when the gun carriage reaches the machine.

The machine can operate with automatic stop of the feed-pump by high or low pressure. At stop by high pressure it must be ensured that the pump is stopped either by a high pressure switch or that it is able to discharge the water in another way, when the machine stops the irrigation. At stop by low pressure the pump must be stopped by a low pressure switch, which stops the pump when the pressure drops in the main supply line.

The attention is drawn the fact that it is a machine to irrigate fields in agriculture, horticulture, nurseries and similar, and it is supplied with water under high pressure as well as there is high pressure on the rain gun. This may cause person damages by incorrect operation, and therefore the stated warnings and safety instructions must be respected and followed carefully.

**Please be careful that no unauthorized persons have access to the machine during operation.**

In order to achieve the best possible benefit of the machine, it is important that the instruction manual is carefully observed. Only a few operations are necessary to operate the machine, and they are described in the manual in the correct order. After a few runs, the procedure will be a matter of routine, but the operating machine must always be inspected before leaving it to ensure all is well.

A check-list is enclosed this instruction manual to be examined by the service engineer together with the customer/user when starting up the new machine. If the check-list is not examined and signed, responsibility and guarantee will be withdrawn from A/S Bording Maskinfabrik.

Damage due to incorrect operation and/or to negligence is not covered by the guarantee.

Should you have any questions concerning the machine please contact your BORDING dealer.

Yours faithfully

A/S Bording Maskinfabrik

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# Safety instruction

**General safety:** To operate the irrigation machine, carefully read the instruction manual before operating the machine. Only well trained and qualified persons must operate the machine. Only one person (the operator) must stay at the machine during transport, setting-up and operation.

## Definitions:

**During transport:** The machine is connected to a vehicle ready for transportation to the place of setting-up.

**During setting-up:** The machine is placed at the area to be irrigated and the hose is or has been pulled out and is ready to be supplied with water.

**In operation:** The machine is supplied with water under pressure, or the machine is operated by PTO.

**Not in operation:** There is no pressure or flow on the machine. There is no water supply connected to the machine. The machine is not operated by PTO.

When the machine is "In operation" (see definition) only the following functions must be carried out:

- \* 1 Adjustment of the pull-in speed.
- \* 2 Changing the gear, if this has been incorrectly adjusted.



**WARNING**

If there is tension in the hose when the clutch pin is disengaged, the hose drum can reverse with great force.

Staying on or under the machine during transport, setting-up and operation involves danger of one's life.

Be careful around actuator and other movable parts operated by electronic speed control. These continuously adjust the flow through the turbine and therefore may trap or crush arms, hands and fingers.

All other adjustments on the machine, gun carriage and gun must only be done, when the machine is "Not in operation".

Modification in construction must not be made without previous consultation with your dealer or A/S Bording Maskinfabrik.

In following the instruction manual are warnings that concern your safety. These are marked with the following symbol. This symbol is also found on the machine, where it means danger. Therefore be careful where this symbol is seen.



**WARNING**

Observe this warning, when you see the symbol.

## Working scope

The working scope of the machine is to spread water, sewage and other liquids. However, the contents of dry matter must not exceed 15%. No particles in the liquid must exceed 10 mm, as this will clog the turbine of the machine. The machine must be supplied with a maximum inlet pressure of 12 bars, but an advisable working pressure is 7-9 bars.

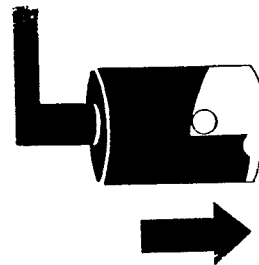
## Transport

When the machine is to be moved or brought out into the field, it is connected to a toolbar in the three point linkage of the tractor, and the lift of the tractor is used for the lifting and lowering of the machine.

- \* 1 The hose drum is turned so that the gun carriage faces backwards.
- \* 2 The supporting legs must be in transport position. By this the gun carriage is automatically lifted from the ground
- \* 3 If the machine does not have brakes, the speed must not exceed 6 km/h (4 m.p.h.).

**Note!** If the machine is to be transported via public thoroughfare, the machine must have lights and markings installed.

**Important!** The clutch pin must be engaged during transport to avoid loosening of the hose on the hose drum.



## Setting-up for irrigation

- \* 1 The machine is placed horizontally and straight out to the direction of pull-out.
- \* 2 The field must be level for the first 10 m in the direction of pull-out.
- \* 3 The two hydraulic hoses are connected to the tractor. The supporting legs, gun carriage lift and the turntable are controlled via the two handles on the hydraulic valve.
- \* 4 The hose drum is turned in the desired direction.
- \* 5 The two hydraulic supporting legs are lowered and forced into the ground.
- \* 6 The gun carriage is lowered automatically, when the supporting legs are lowered.



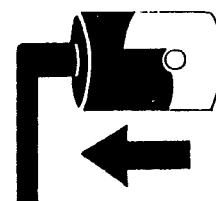
**WARNING**

Unauthorized persons are forbidden to be near the machine during the manoeuvring of the gun carriage and the machine.

The supporting legs must not raise the wheels of the machine from the ground.

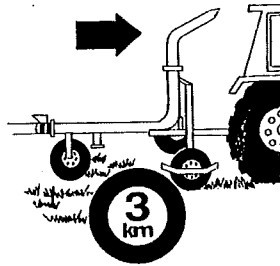
## Pulling out the hose

The clutch pin is disengaged with the enclosed key. By this the hose drum is disconnected from the driving station.



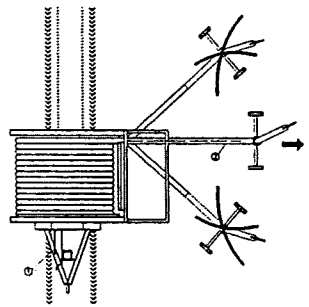
In order to obtain a free discharge of water from the hose during the pull-out, the sluice valve on the gun carriage is opened. The feed hose should not be connected to the machine until after the pull-out. The advantage is an easier pull-out and less loading of the hose.

The gun carriage is connected to the tractor, and the pull-out can be started. The pull-out speed must not exceed 3 km/h (2 m.p.h.).



If the water has not started to run out of the machine after approximately 10 metres, it may be profitable to suspend the pull-out of the hose for a moment before starting again.

It is important that the gun carriage is pulled straight out from the machine during the first 10 metres of pulling out. If not it may effect that the gun carriage cannot go next to the lift of the gun carriage.



**Important!** When the pull-out is stopped, this must be done slowly in order to avoid continuous revolving of the hose drum to prevent the hose from working loose on the hose drum. Make sure that there are at least 2 hose windings left on the hose drum, when the hose is being pulled out. If not, the hose coupling may be damaged when the hose is pulled in. In case of hilly terrain, where the machine can no longer be seen from the tractor, the operator must have an assistant to signal, when there are only two windings left on the drum.

**Note!** If the machine has been left to stand in the sun, or has been exposed to another kind of heat, the hose will be damaged, if it is pulled out. If the temperature of the hose exceeds 30° C, it must be cooled by the flow of water, before it is pulled out.

When the hose is being pulled out, it is important to avoid sudden stops, as this may cause the hose to become tangled on the drum.

If the hose works loose on the hose drum during the pull-out, the brake must be adjusted. If the hose is loose on the drum after the pull-out, it must be tightened up with the PTO crank. In order to facilitate the turning of the crank, it may be necessary to loosen the brake. **Remember** to remove the PTO crank, when the tightening has finished.



**WARNING**

The crank must never be on the PTO shaft during pull-out or when the machine is operating.

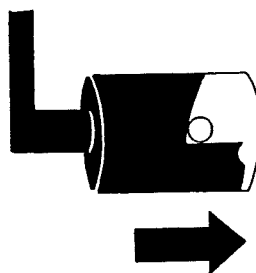
The clutch pin must never be loosened when the crank is on the PTO shaft, if there is tension in the hose.

When the pull-out has finished, the sluice valve of the gun carriage is turned off again.

## Starting-up

**Important before the machine is started!** If the machine has been placed in strong sunlight for quite a long time after the pull-out, and if the temperature is above 30° C, the hose must be cooled down before the pull-in may begin.

The clutch pin is engaged again and the key is put back.



The feed hose is connected to the inlet pipe of the machine.

The machine is now ready for irrigation. The water must not be fed into the machine too quickly owing to air in machine, hose and pipes. This may cause water hammer and back pressure in the system, and thereby damaging the equipment.



**WARNING** Loitering is forbidden on and under the machine during operation

## Adjustment of pull-in speed

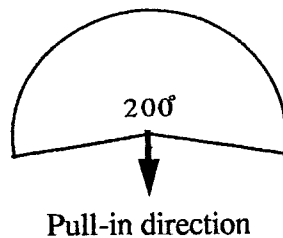
The pull-in speed is set on the computer.

The number of revolutions of the turbine should be 800 - 1250 r.p.m. as the turbine is most efficient across this speed range and consequently produces the smallest pressure loss in proportion to the output. However, the turbine must always be able to reach a higher pull-in speed than adjusted on the computer. It is possible to move the V-belt on the triple pulleys at the turbine and reduction gear, if the desired speed of pull-in is not obtained within the above mentioned number of revolutions.

When the pull-in speed, type, size and pressure of the nozzle are known, readings of the amount of precipitation can be taken from the tables. The pressure of the nozzle can be read on the pressure gauge on the rain gun. The table shows the maximum effective spreading widths in calm weather. In windy weather these will drop about 10%.

## Adjustment of rain gun

The best distribution pattern is obtained at a sector angle of approximately 200°, which means that the rain gun operates over an angle of 200°



The pressure at the rain gun ought to be 4,5 - 5,0 bars depending on the amount of water. At a large amount of water the pressure ought to be higher.



### Automatic stop

The machine stops automatically when the gun carriage is pulled in next to the machine. The machine can operate with automatic stop of the feed-pump by high or low pressure. At stop by high pressure it must be ensured that the pump is stopped either by a high pressure switch or that it is able to discharge the water in another way, when the machine stops the irrigation. At stop by low pressure the pump must be stopped by a low pressure switch, which stops the pump when the pressure drops in the main supply line.

Please contact your dealer in case high or low pressure need to be changed.

### Manual stop

The machine can be stopped either on the pump or by pressing "stop" on the computer. If the hose is to be pulled in after stop, see "PTO wind-in".

### Safety stop

The machine is fitted with a safety bar on the opposite side of the hose guide. It stops the pull-in, if the hose guide gets out of adjustment. The bar is adjusted, so that it begins to activate the stop bar after the last layer on the drum, and the pull-in must stop if the bar exceeds the edge of the drum.

**Important!** Check that the safety bar is adjusted correct when starting-up the new machine and check frequently during the season.

### Supervision

By way of supervision, the computer ensures that the machine is stopped by high or low pressure, if the pull-in stops at the incorrect time.

i.e.:

- \* 1 The clutch pin is not engaged
- \* 2 There are foreign matters in the turbine.
- \* 3 The V-belt is too slack.

### PTO wind-in

The machine is fitted with a PTO wind-in, which can be used for manual wind-in of the hose, if the irrigation is stopped before the gun carriage is next to the machine. The PTO wind-in is connected to the tractor through a PTO shaft.

- \* 1 The clutch pin must be disengaged before the wind-in commences.
- \* 2 Apply the hand brake of the tractor.
- \* 3 Maximum PTO rotations 200 rpm.
- \* 4 Stop the PTO wind-in about 2 m before the gun carriage is next to the machine, and use the PTO crank for the last distance.

**Important!**

- \* The machine must be under supervision when the hose is being wound on the drum by the PTO wind-in
- \* The PTO shaft must not be on the machine when the hose is being pulled out, or when the machine is in operation.
- \* Dismantle the PTO crank during operation.



No loitering on and under the machine during operation.

If the machine has been stopped during pull-in there is tension in the hose, and the hose drum can reverse with great force, when the clutch pin is disengaged.

### Gun carriage

The wheel spacing on the gun carriage may be adjusted by loosening the clamp handles and by moving the legs to the required width. The spacing ought to be adjusted to fit with the tractor, or if row crops are irrigated to fit with the crop spacing. Further more the gun carriage can be displaced to one side.

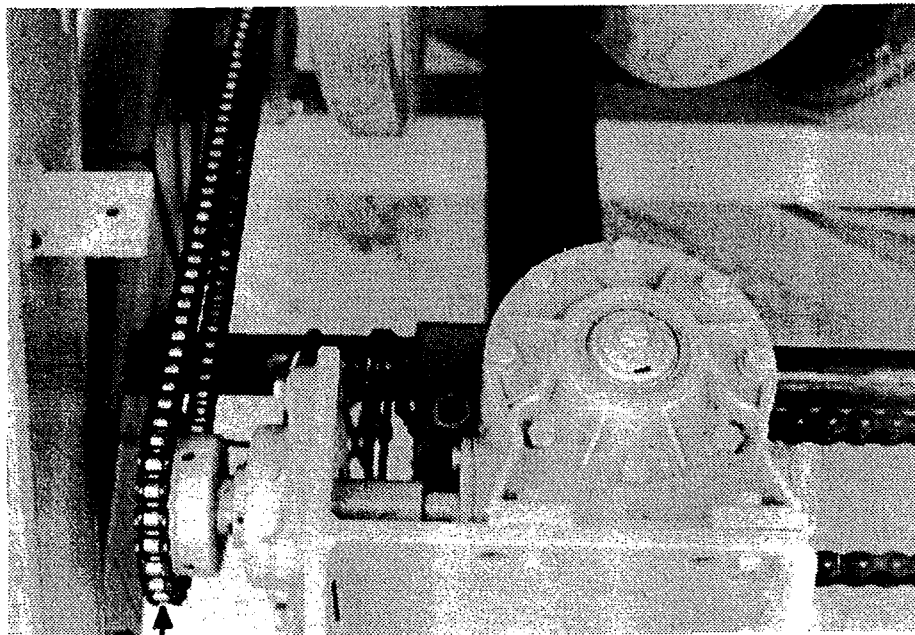
If the gun carriage does not follow the same track during pull-in, the centre-bolt in the steering wheel may be loosened and the wheel axle may be adjusted backwards or forwards in one of the sides to allow alignment.

### Hose guide

The hose must be wound up on the hose drum in such a way that it lies correctly. When the hose is pulled out and the pull-in starts, the hose must be placed close to the previous hose windings, as it is wound up on the hose drum.

If the machine does not wind up the hose correctly on the hose drum, the chain which moves the hose guide must be dismantled. After that the chain wheel on the shaft for the angle gear is turned until the hose lies correctly on the drum.

To obtain the best winding, the hose guide must be positioned 1-2 cm behind the last winding on the hose drum when looking at the right angles to the hose drum. The adjustment should be carried out when the hose is being wound up on the inner layer. The chain is put on again and tightened. Let the drum revolve a couple of times and check again that the hose lies correctly on the drum.



Chain to pull hose guide

## Maintenance

**Important!** After the first 25 working hours:

- \* 1 Tighten up the machine.
- \* 2 Adjust chains and V-belt.
- \* 3 The hose guide is adjusted

The clutch pin is greased a couple of times during the season. It is turned one or two times after being greased to check any over lubrication.

Adjustment of chains must be done every 200 working hours. The chains must never be slack. The hose guide chain must never be shortened, as the length of the chain has been precisely adjusted to the coiling. If it cannot be tightened it must be replaced.

### Lubrication (after 25 working hours) and subsequently once a week

- \* 1 Sliding bush on the inlet pipe of the hose drum.
- \* 2 Sliding bracket in hose guide (shafts must never be dry).
- \* 3 Buttom roller in hose guide.
- \* 4 Main bearings by the hose reel.
- \* 5 Chains are lubricated with water-repelling oil.
- \* 6 Wheels of the gun carriage.
- \* 7 Rotary rim.

For the lubrication of the above parts, molycote grease is recommended.

**Note!** The sliding bush on the input bush of the hose drum must only be lubricated until a faint increase of pressure is obtained in the grease gun.

### Annual maintenance

- \* 1 Sliding bush on the inlet pipe of the hose drum.
- \* 2 Sliding bracket in hose guide (shafts must never be dry).
- \* 3 Buttom roller in hose guide.
- \* 4 Main bearings by the hose reel.
- \* 5 Chains are lubricated with water-repelling oil.
- \* 6 Wheels of the machine and gun carriage.
- \* 7 Rotary rim.

For the lubrication of the above parts, molycote grease is recommended.

**Note!** The sliding bush on the input bush of the hose drum must only be lubricated until a faint increase of pressure is obtained in the grease gun.

Lubricate the throttle in the 3-way valve at the turbine with water-repelling grease (KLÜBER NBU 30 PTM).

The oil level in the reduction gear should be checked every season. If the oil level is too low, gear oil type Castrol Alfa SP 220 is to be used.

The lubrication of the right-angle gear at the hose guide should last the machine's life. If however the gearbox needs to be greased, synthetic grease type Castrol Alfa Gel is to be used.

Check the air pressure of the wheels: Machine = 38 p.s.i. - 2.75 bars  
Gun carriage = 21 p.s.i. - 1.50 bars

## Making ready for winter

Before the frost arrives, the machine must be made ready for winter. Contact your BORDING dealer concerning a winter service visit. Thus you will avoid undue operation stoppages during the season.

Making ready includes the following points:

Empty the hose of water, either by means of compressed air or by pulling the hose out into the field, emptying it of water, and pulling it back with the PTO wind-in.

Open the sluice valve on the gun carriage during wind-in or disconnect the gun carriage from the hose.

The hose must not be wound up tightly, as the hose is to work at different temperatures. This is obtained by loosening the hose a little on each layer with the PTO crank when winding up.

The shafts in hose guide are greased.

Chains are lubricated and adjusted.

The two springs at the safety bar are dismantled.

The hydraulic cylinders of the supporting legs are wiped, and the legs are drawn up completely.

Clean the gun and spray it with acid-free oil.

Check the air pressure of the wheels: Machine	= 38 p.s.i. - 2.75 bars
Gun carriage	= 14 p.s.i. - 1.50 bars

Lubricate the throttle in the 3-way valve at the turbine.

Lubricate all movable parts with rust-preventing oil (Lps oil).

The battery must be kept in a dry and non-freezing place.

**Important!** Avoid high-pressure cleaning of the computer, the electric components, and the packing boxes by the bearings.

**Fault Location table**

<b>Fault</b>	<b>Cause</b>	<b>Solution</b>
Hose reel stop	Foreign matter in turbine	Dismantle front cover from turbine and clean it. Never turn the turbine forcibly.
	Clutch pin not engaged	Engage it
	Computer failure	Check computer
	3-way valve is stuck	Check 3-way valve
Computer failure	Battery is flat	Charge or exchange it
	Sensor at stop bar activated	Adjust or exchange it
	Computer fuse	Exchange fuse
	Control fault in computer	Contact dealer
Motor not running	Throttle in the 3-way valve at turbine is stuck	Clean and lubricate the throttle
	Motor not working	Computer failure or exchange motor
Incorrect winding	Hose guide out of adjustment	Adjust hose guide
	Too much hose on the drum	Check hose length
Incorrect pull-out (hose is slack)	Too quick stop when pulling out	Decrease speed over a longish distance
	Chain off or snapped	Repair or exchange it
Gun not working	Too low pressure	Increase pressure or change to smaller nozzle
	Sector guide destroyed	Exchange or repair stop release
	Wrong nozzle size	Exchange nozzle

Precipitation Rain Bird SR1005

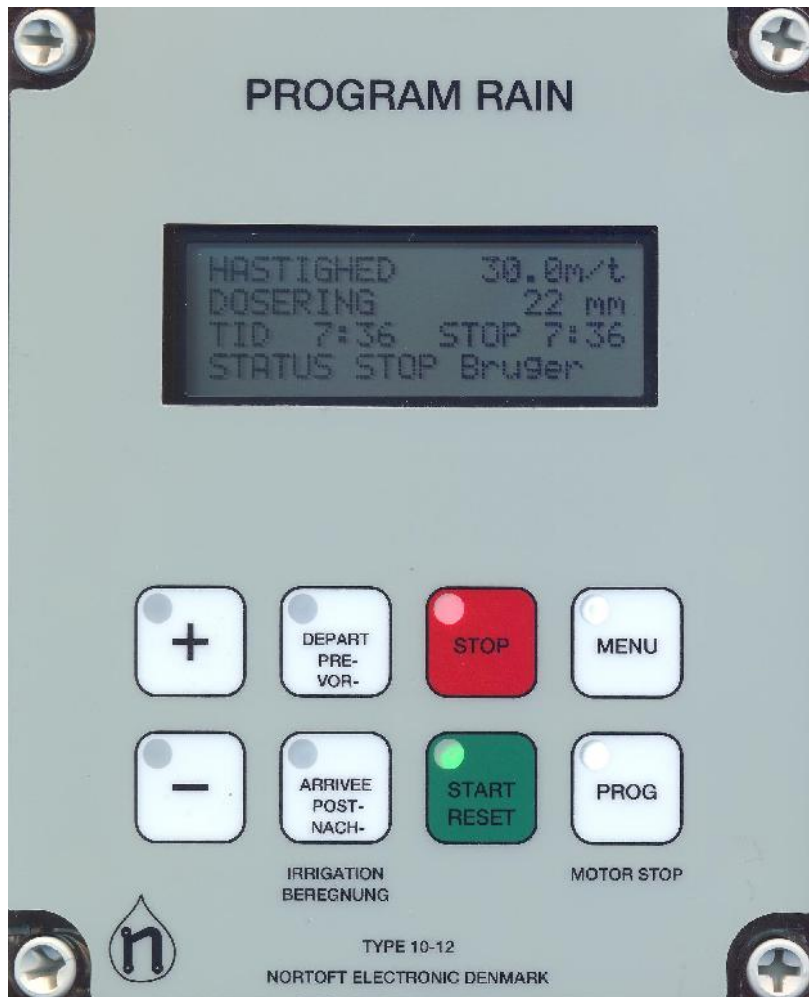
Aluminium taper bore nozzles	0,890" = 22,6 mm			0,990" = 25,1 mm			1,090" = 27,9 mm			1,190" = 30,2 mm			1,290" = 32,7 mm			Time per full run, hours,							
	0,9" = 22,9 mm			1,0" = 25,4 mm			1,1" = 27,9 mm			1,2" = 30,5 mm			1,450" = 36,8 mm			at hose length of							
Plastic taper bore nozzles	1,100" = 27,9 mm			1,201" = 30,5 mm			1,293" = 32,8 mm			1,380" = 35,0 mm			1,450" = 36,8 mm			300m	350m	400m	450m	500m			
Ring orifice nozzles	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6					
Nozzle pressure, bars	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6					
Quantity discharged, m <sup>3</sup> /h	41,5	46,2	50,7	51,0	56,6	62,2	61,7	68,6	75,5	73,3	81,8	90,0	86,8	97,0	106								
Max. effective disperse width, m	78	84	88	83	89	93	87	93	98	91	98	103	94	102	108								
Pull-in speed, m/h	10	53	55	57																			
	12	44	45	48	51	52	55	59									30	35	40	45	50		
	14	38	39	41	43	45	47	50	52	55	57	59					25	29	33	38	42		
	16	33	34	36	38	39	41	44	46	48	50	52	54	57	59		21	25	29	32	36		
	18	29	30	32	34	35	37	39	40	42	44	46	48	51	52	54	19	22	25	28	31		
	20	26	27	28	30	31	33	35	36	38	40	41	43	46	47	49	17	19	22	25	28		
	25	21	22	23	24	25	26	28	29	30	32	33	34	36	38	39	15	18	20	23	25		
	30	17	18	19	20	21	22	23	24	25	26	27	29	30	31	32	12	14	16	18	20		
	40	13	13	14	15	15	16	17	18	19	20	20	21	23	23	24	8	9	10	11	13		
	50	10	11	11	12	12	13	14	14	15	16	16	17	18	19	19	6	7	8	9	10		
	70							10	10	11	11	11	12	13	13	14	4	5	6	6	7		
Max. effective coverage, hectares, at hose length of	300 m	2,5	2,7	2,9	2,7	2,9	3,0	2,8	3,0	3,2	3,0	3,2	3,3	3,1	3,3	3,5	The table indicates precipitation in mm						
	350 m	2,9	3,2	3,3	3,1	3,3	3,5	3,3	3,5	3,7	3,4	3,7	3,9	3,5	3,8	4,1							
	400 m	3,3	3,6	3,7	3,5	3,8	4,0	3,7	4,0	4,2	3,9	4,2	4,4	4,0	4,3	4,6							
	450 m	3,7	4,0	4,2	3,9	4,2	4,4	4,1	4,4	4,7	4,3	4,7	4,9	4,5	4,9	5,1							
	500 m	4,1	4,4	4,6	4,4	4,7	4,9	4,6	4,9	5,1	4,8	5,1	5,4	4,9	5,4	5,7							

Precipitation Nelson SR150, mm

Nozzle size, taper bore nozzles	0,9" = 22,9 mm			1,0" = 25,4 mm			1,1" = 27,9 mm			1,2" = 30,5 mm			1,3" = 33,0 mm			Time per full run, hours,							
	1,08" = 27,4 mm			1,18" = 30,0 mm			1,28" = 32,0 mm			1,34" = 34,0 mm			1,41" = 35,8 mm			at hose length of							
Nozzle size, ring nozzles	1,108" = 27,9 mm			1,201" = 30,5 mm			1,293" = 32,8 mm			1,380" = 35,0 mm			1,450" = 36,8 mm			300m	350m	400m	450m	500m			
Nozzle pressure, bars	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6	4	5	6					
Quantity discharge, m <sup>3</sup> /h	40,4	45,2	49,6	50,0	56,0	61,3	61,0	68,3	74,8	72,9	81,5	89,3	85,6	95,7	105								
Max. effective disperse width, m	75	80	84	79	85	89	84	90	94	89	94	99	92	98	103								
Pull-in speed, m/h	10	53	56	59																			
	12	44	47	49	52	54	57										30	35	40	45	50		
	14	38	40	42	45	47	49	51	54	56	58						25	29	33	38	42		
	16	33	35	36	39	41	43	45	47	49	51	54	56	58			21	25	29	32	36		
	18	29	31	32	35	36	38	40	42	44	45	48	50	51	54	56	19	22	25	28	31		
	20	26	28	29	31	32	34	36	37	39	40	43	45	46	48	50	17	19	22	25	28		
	25	21	22	23	25	26	27	29	30	31	32	34	36	37	39	40	15	18	20	23	25		
	30	17	18	19	21	21	22	24	25	26	27	28	30	31	32	33	12	14	16	18	20		
	40	13	14	14	15	16	17	18	18	19	20	21	22	23	24	25	10	12	13	15	17		
	50	10	11	11	12	13	13	14	15	15	16	17	18	18	19	20	8	9	10	11	13		
	70							10	10	11	11	12	12	13	13	14	6	7	8	9	10		
																	4	5	6	6	7		
Max. effective coverage, hectares, at hose length of	300 m	2,4	2,6	2,7	2,6	2,8	2,9	2,7	2,9	3,1	2,9	3,1	3,2	3,0	3,2	3,3	The able indicates precipitation i mm						
	350 m	2,8	3,0	3,2	3,0	3,2	3,3	3,2	3,4	3,5	3,3	3,5	3,7	3,5	3,7	3,9							
	400 m	3,2	3,4	3,6	3,4	3,6	3,8	3,6	3,8	4,0	3,8	4,0	4,2	3,9	4,2	4,4							
	450 m	3,6	3,8	4,0	3,8	4,0	4,2	4,0	4,3	4,5	4,2	4,5	4,7	4,4	4,7	4,9							
	500 m	3,9	4,2	4,4	4,1	4,5	4,7	4,4	4,7	4,9	4,7	4,9	5,2	4,8	5,1	5,4							

# Fasterholt Maskinfabrik A/S

## Program Rain 10-12



### Features:

Speed regulation  
Pre- and post-irrigation  
4 different speeds  
Clock

Start time is adjustable  
Stop time is shown in the display  
Length of the pipe  
Actual speed  
Battery voltage

Charge regulation

Pressure sensor

Stop sensor

Speed sensor

Motor 1, regulation motor

Motor 2, stop motor

Slowly start of turbine

Slowly opening for inlet of water

GSM SMS messaging for remote control

## Short hand manual



Place machine:

<b>SPEED</b>	30.0m/t
<b>DOSE</b>	22 mm
<b>TIME</b>	7:28 STOP 7:28
<b>STATUS</b>	STOP Sensor

Place machine at hydrant, Display shows the same start and stop time. Wheel out hose to the end of lane. ( ex 250m )

Select speed:

<b>SPEED</b>	30.0m/t
<b>DOSE</b>	22 mm
<b>TIME</b>	7:56 STOP17:16
<b>STATUS</b>	STOP Sensor

Display now shows stop after 8h20m. Press "+" or "-" keys for the right speed. Speed can be changed during Irrigation.

<b>SPEED</b>	25.0m/t
<b>DOSE</b>	26 mm
<b>TIME</b>	7:58 STOP17:58
<b>STATUS</b>	STOP Sensor

**SPEED** has decreased, **DOSE** and **STOP** has increased.

Start irrigate, select PRE- and POST irrigation.

<b>SPEED</b>	25.0m/t
<b>DOSE</b>	26 mm
<b>TIME</b>	7:58 STOP17:58
<b>STATUS</b>	STOP Sensor

Press **START** for starting. For PRE- and POST Irrigation, press **PRE-** and **POST-** irrigation key's. STOP time will increase when pressing PRE- and Post irrigation.

Starting:

<b>SPEED</b>	25.0m/t
<b>DOSE</b>	26 mm
<b>TIME</b>	8:00 STOP18:38
<b>STATUS</b>	Running

Turbine will start, as water pressure increases. After a while the regulator finds the correct speed. Irrigation is continued until end of lane and **STOP SENSOR** is activated.

-PRE irrigation:

<b>SPEED</b>	25.0m/t
<b>DOSE</b>	26 mm
<b>TIME</b>	8:02 STOP18:38
<b>STATUS</b>	PREirrigation

If PRE irrigation is activated, the turbine will stop again immediately and PRE Irrigation takes place. When pre irrigation time has elapsed, turbine starts and state changes to **Running**.

-POST irrigation:

<b>SPEED</b>	25.0m/t
<b>DOSE</b>	26 mm
<b>TIME</b>	18:20 STOP18:38
<b>STATUS</b>	POSTirrigation

If POST irrigation is activated, the turbine will stop at the end, when stop sensor is activated, and POST Irrigation will take place.

Stop:

<b>SPEED</b>	25.0m/t
<b>DOSE</b>	26 mm
<b>TIME</b>	18:38 STOP18:38
<b>STATUS</b>	STOP Sensor

Stop sensor is activated, Turbine and Irrigation is shut down. Machine is ready for disconnection and transport to a new lane.



## MENU's

SPEED	30.0m/t
DOSE	22 mm
TIME	14:10 STOP 7:43
STATUS	Running

Standard readout

ZONE	1	30.0m/t
DOSE	22	mm
TIME	14:10	STOP 7:43
STATUS	Running	

Standard readout, Zone Active

DISTANCE	123m
BATTERY	12.8V
CHARGE ON	0.231A
PRE.	0:45
POST	0:45

Press the key **MENU** once for showing menu 2

PRESS SENSOR	■		
STOP SENSOR	■		
SPEED SENSOR	■ ■		
MOT1	0.0A	MOT2	1.8A

Press the key **MENU** twice for showing menu 3

ACTUAL SPEED	22m/t
START	0:00
WORKING HOURS	123t

Press the key **MENU** three times for showing menu 4

0m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m

Press the key **MENU** four times for showing menu 5

SIGNAL	23
NETWORK HOME	
A:	+45123456
B:	+45234567

Press the key **MENU** five times for showing menu 6  
( Only when GSM is selected )

When the sign ■ is shown in the display, it means that this function is ON

### Standard menu:

<b>SPEED</b>	30.0m/t
<b>DOSE</b>	22 mm
<b>TIME</b>	14:10 STOP 7:43
<b>STATUS</b>	Running

Standard readout

- SPEED** Speed can be changed at any time during the irrigation, using “+” and “-“ keys.
- ZONE** Actual Zone 1.4 with corresponding speed. Speed cannot be changed. (Zone Active)
- DOSE** Dose is calculated by means of constants, and shows the actual mm for irrigation. When **SPEED** increases, **DOSE** decreases. (Constants 11 and 12)
- TIME** To set the time: first set the speed to 11.1 m/h, and then press the **PROG** key 3 times, showing <CONST 1 TIME>, the time can then be set with the “+” and “-“ keys. When the battery has been removed the time is 00:00, and is remaining zero until it is set.
- STOP** Time when the irrigation is finished incl. pre- and post-irrigation.
- STATUS** Status of irrigating ei:
- <Stop Sensor >
  - <Running >
  - <PRE irrigate >
  - <POST irrigate >
  - <LOW pressure >

see explanation in **STATUS** chapter.

If the display shows: **LOW BAT** instead of **SPEED**, the battery voltage is lower than 11.8 V, and the battery need to be charged.

### MENU 2

<b>DISTANCE</b>	123m
<b>BATTERY</b>	12.8V
<b>CHARGE ON</b>	0.231A
<b>PRE 0:45 POST 0:45</b>	

- DISTANCE** The remaining length of the pipe. Distance can be changed immediately after pressing **PROG** key 3 times, with the “+” an “-“ keys.
- BATTERY** The battery voltage.
- CHARGE ON** Shows if the battery id charged from the solar panel.  
The battery is charged when the voltage is below 14.0 volt.
- PRE.** The actual pre irrigation time.
- POST** The actual post irrigation time.
- Pre- and Post irrigation time can be changed immediately after pressing **PRE-** or **POST-** with the “+” and “-“ keys.

### MENU 3

PRESS SENSOR		█
STOP SENSOR		█
SPEED SENSOR	█	█
MOT1 0.0A	MOT2	1.8A

#### PRESS SENSOR

Shown if the pressure is high. The marker is on, when the water pressure is high.  
**The machine can only work when the pressure is high.**

#### STOP SENSOR

Shown if the stop switch is activated. The marker is on, when the stop switch is on.  
**The machine can only work when the stop switch is on.**

The stop switch has 3 functions:

- 1: Resets the distance counter
- 2: Post-irrigation
- 3: Inhibits the pulses to the regulator-motor.

#### SPEED SENSOR

For testing the speed sensor. The markers is on, when the magnets activates the speed sensors.

#### MOT1, MOT2

The actual power used by motor. The motor is stopped when the power exceeds 4.5 A.

**If the power exceeds 4.5 A, and the motor has not reached the end position, there is a blocking inside the valve.**

### MENU 4

ACTUAL SPEED	22m/t
START	0:00
WORKING HOURS	123t

#### ACTUAL SPEED

Shows the actual speed that means the speed the machine is running now. This can be used to check the maximum running speed for the machine, if the Program Rain is set to a much higher speed than the machine can run. The actual speed can differ from the set speed, especially in the start, this is not an error because the Program Rain ensures that the mean speed over 10 m is correct.

#### START

The starting time. This is a time delay so that the machine will start up to 24 hours later. To set the starting time, press the **PROG** key 3 times and the time can be set by using the "+" and "-" keys.

#### WORKING HOURS

The total working hours since the electronic was started the first time.

### MENU 5

0m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m

This is for irrigation with 4 different speeds in the retraction.  
Press the **PROG** key 3 times for programming the zones.  
See later in this paper for more details.

## MENU 6

<b>SIGNAL</b> 23
<b>NETWORK</b> HOME
<b>A:</b> +45123456
<b>B:</b> +45234567

**SIGNAL** GSM signal strength.  
**NETWORK** GSM network type  
**A:** First phone number on "SMS" list.  
**B:** Second phone number on "SMS" list.

Detailed explanation in chapter GSM.

### START:

The turbine can only start if the magnet activates the stop sensor (or stop sensors), see menu 3 for controlling the stop sensor. When the **START** key is pressed, the main valve opens. Next the by-pass valve closes (the turbine starts). If the magnet does not activate the stop sensor, it is only the main valve that opens; this is used if the pressure should be released before disconnecting the hose at the hydrant.

### DELAYED START TIME OF IRRIGATION

First press **STOP** key for closing for inlet of water. Next press **PROG** key 3 times (Menu 3) and you can set the start time. Then at last select Pre- or post irrigation if wanted.

### STOP:

When the magnet is removed from the stop sensor, the turbine stops and the main valve closes (opens at low-pressure stop). If post-irrigation is chosen, the turbine stops and after the post-irrigation time, the main valve closes. If the key **STOP** is pressed, the turbine stops and the main valve closes regardless of post-irrigation.

### SUPERVISION:

The Program Regen has a built-in system for supervision. The supervision starts to work if, for some reason, the machine irrigates at the same place longer than the specified time. This time is factory adjusted to 20 minutes. See programming for changing the time. If it is set to 0, there is no supervision.

### SPEED:

The speed is adjusted with the "+" and "-" keys. First the speed changes in step of 0.1 m/t. Then after 10 steps it changes by 1.0 m/h. tælles op med 1 m/t. The speed can be changed any time, even when the machine is running. If the time is changed it shows the new time for the remaining irrigation.

**PRE-IRRIGATION:**

Pressing the key **PRE-** can activate pre-irrigation. The time for pre-irrigation is calculated by the Program Rain as 8 x the time for running 1 metre at the actual speed. The constant " 8 " (constant no. 2) can be changed, see programming. If the pre-irrigation is on, the machine starts and run ½ metre, then it stops for the pre-irrigation time. By pressing the key **START** the pre-irrigation is cancelled. The magnet at the stop sensor should be in place before activating the pre-irrigation.

**POST-IRRIGATION:**

Post-irrigation can be activated by pressing the key **POST-**. The time for post-irrigation is calculated by the Program Rain as 8 x the time for running 1 metre at the actual speed. The constant " 8 " (constant no. 3) can be changed, see programming. The post-irrigation starts to count down when the magnet is removed from the stop sensor. When the magnet is removed, the motor for speed regulation stops the turbine. After the post-irrigation time, the main valve closes, (opens at machines with stop for low pressure). At machines with only one motor for speed regulation, the turbine starts after the post-irrigation time. By pressing the key **START** the post-irrigation is cancelled. The magnet at the stop sensor should be in place before activating the post-irrigation. If Early stop, constant #8, is selected, this function is activated. Shutdown will take place when distance is reached.

**PROGRAMMING OF 4 DIFFERENT SPEEDS:**

The display should be set to the 5th menu. The pipe should be pulled out before programming, so the computer knows the distance of the field to be irrigated. In the following it is assumed that the field length is 400 metres. Press the **PROG** key 3 times and the display will show:

400m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m

The desired speed can now be set, here 25.0 m/h, then press the **PROG** key once, and the display will show:

400m	25.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m

The desired distance can now be set, here 300 m, then press the **PROG** key once, and the display will show:

400m	25.0m/t	300m
300m	30.0m/t	0m
0m	30.0m/t	0m
0m	30.0m/t	0m

Now the first zone is programmed, and the procedure is continued for all 4 zones. Zone 4 automatically ends at 000 m.

When zone 4 is programmed press again the **PROG** key and the display will show:

<b>DELETE</b>	<b>PRESS</b>	<b>MENU</b>
<b>SAVE</b>	<b>PRESS</b>	<b>PROG</b>

If the **PROG** key is pressed the program is saved, and the watering is carried out according to the program. If the **MENU** key is pressed the program is deleted, and the speed is the same for the whole field.

<b>STATUS</b>	Status messages in display
<b>EMERGENCY:</b>	Machine has not been started, anyway speed pulses is received and it is trying to maintain the speed requested.
<b>RUNNING:</b>	The machine is irrigating, and everything is working properly.
<b>LOW PRESSURE:</b>	Water pressure is below pressure switch treshold. Machine acts depending on Machine data.
<b>STARTING:</b>	Operator has pressed <b>START</b> key, and start sequens is in process.
<b>START REMOTE:</b>	Machine is starting due to an <b>SMS</b> .
<b>START DELAY:</b>	Machine is waiting for start delay to elapse. (See menu 4).
<b>START PRESSURE:</b>	Machine has started due to pressure rise. Machine is using pressure level, to start 2'nd machine on string.
<b>START DENIED:</b>	Operator is holding <b>STOP</b> key to prevent <b>PRESSURE</b> and <b>REMOTE</b> start.
<b>STOP USER:</b>	Machine has stopped due to operator <b>STOP</b> .
<b>STOP REMOTE:</b>	Machine has stopped due to an <b>SMS</b> .
<b>STOP SENSOR:</b>	Machine has reached end and is stopped by <b>STOP SENSOR</b> .
<b>STOP DISTANCE:</b>	Machine has reached distance for stop. (See constant for early stop).
<b>STOP DELAY:</b>	Machine has reached stop but waits nn Seconds to proceed stop sequence.
<b>STOP DENIED:</b>	Operator is pressing <b>START</b> key, preventing <b>REMOTE</b> stop.
<b>SUPERVISION TIME:</b>	Machine has stopped due to supervision time is elapsed. Machine has not moved in nn minutes. (See constant for supervision time).
<b>FORCE LOW PRES:</b>	Machine opens valve, to force pressure drop, to stop main pompe. After 2 minutes, valve closes to prevent draining of pipes.
<b>PRE IRRIGATION:</b>	Machine is performing pre irrigation
<b>POST IRRIGATION:</b>	Machine is performing post irrigation

**There are different constants that can be set by the user.**

These constant will be saved for years even if the battery is disconnected.

**Programming procedure:**

The speed should be adjusted to **11.1 m/h** to reach the constants.

Press rapidly the **PROG** key 3 times to gain access to change the constants.

Then by pressing the **PROG** key, it steps forward to the constant, which should be altered.

With the “+” and “-“ keys the constant value can be changed. Press the **MENU** key to save, and the Program Rain display goes back to normal. If the **MENU** key is not pressed, the Program Rain switches back to normal after 1 minute, and the changes of the constants are not saved.

**The user can change the following constants:**

Constant number flashing digits		Possible setting	Factory setting
0	Enter 111 to reach machine data		100
1	Time in line 2 is set	00:00 - 24:00	00:00
2	Pre irrigation: 8 steps = time for 8 m. Forward drive at the actual pace	0-15 steps	8
3	Post irrigation: 8 steps = time for 8 m. Forward drive at the actual pace	0-15 steps	8
4	Supervision time Supervision time: 0 = no supervision	2-99 min.	20
5	Languages: 1 = English, 2 = Danish, 3 = German, 4 = French, 5 = Dutch, 6 = Swedish, 7 = Spanish, 8 = Italian, 9 = Polish, 10 = Japanese	1-4	2
6	0 = Stop for high pressure slow shutdown 1 = Stop for low pressure, valve opens and close again after 3 minutes 2 = Motor for stop disconnected	0-2	0
7	Pipe length [m], if the length has been deleted		
8	Early stop [m] (* Is only performed when Post irrigation is selected *)	0-1000	0
9	Post irrigation before stop [m]	0-1000	0
10	Distance for alarm [m] (0 = no alarm )	0-1000	0
11	Water flow [m3/h]	5-120	50
12	Spacing between irrigation lanes [m]	5-100	75

Constant nr. 11 (the code) is set to 111 to enter the machine data.

Then press **PROG** and the machine data is shown.

The user can change the following machine data:

Machine data Number Flashing digits		Possible setting	Factory setting
0	Pipe length	0-1000 m.	Not used
1	Pipe diameter	40-200 mm.	Not used
2	Reel drum int. diameter	500-3000 mm	Not used
3	Number of windings of pipe per layer	5.00-30.00	Not used
4	Large cogwheel on reel drum	50-1000	Not used
5	Small cogwheel on gearbox	5-40	Not used
6	Number of magnets	1-20	Not used
7	Ovality compared 100 %	0.70-1.00	Not used
8	Length of first pulses to stop valve	0-45 sec.	3
9	Length of following short pulses to stop valve	0-300 m/sec.	160
10	Time between short pulses to stop valve	1 - 5 sec.	2
11	Number of short pulses to stop valve	0 - 250	100
12	Mechanic stop (with only 1 motor) Electric stop (Closed low pressure) even if pressure switch detect low pressure	0 1	1
13	Length of pulses to regulation motor at start (Oil pump motor 1)	26.1-0.9 sec.	4.5
14	Pressure switch not mounted Pressure switch mounted (to start/stop) or Radio start Pressure switch mounted: (can be used (to start only) for 2 machines on the same system. Auto start with special pressure switch.)	0 1 2	1
15	Running length per pulse: 0 = running by the formula  FM 4300 + 4300H = (2 magnets) = 73.5 mm. FM 4500 + 4500H = 85.0 mm. Rear axle with 6 bolts FM 4500 + 4500H (4 magnets) = 42,5 mm FM 4700 = 106.6 mm. Rear axle with 8 bolts FM 4700 (4 magnets) = 53.3 mm. FM 4800 (4 magnets) = 53.3 mm. Rear axle with 8 bolts FM 4900 = 103 mm. Rear axle with 8 bolts FM 4900 (4 magnets) = 51.5 mm. FM 5500 (4 magnets) = 62,5 mm	0-160.0 mm.	
16	Speed sensor 0 = Round sensor for roller 1 = Double sensor	0 1	1
17	Opening of main valve 0 = Fast opening 1 = Slow opening	0 1	0
18	Pressure switch 0 = Main valve stay open at low pressure 1 = Main valve closes at low pressure	0 1	0
19	Delay from stop sensor to the turbine stops (sec)	0	0



**The Program Rain can be adjusted to 2 different types of sensors.**

See Machine Data #16 Sensor

One is a round sensor 60 mm in diameter and 4 sensors inside; this is only for rollers with one magnet. When the battery is connected the display for 2 sec. shows **VERSION n.n0**.

The other is a square sensor, or 2 separate sensors; this is used for rollers with more than one magnet and for discs with 1 to 20 magnets.

When the battery is connected, the display will show **VERSION n.n1**. for 2 sec.

**Cable connection**

**Double sensor.**

**Round sensor**

<b>Program Rain 10 18 Pol Connector</b>			<b>Program Rain 10</b>		
<b>Cable connection</b>	<b>Version n.n1</b>	<b>Double sensor</b>	<b>Cable connection</b>	<b>Version n.n0</b>	<b>Round sensor</b>
1 + Battery	Brown	12 V	1 + Battery	Brown	12 V
2 - Battery	Blue		2 - Battery	Blue	
3 + Solar Panel	Brown		3 + Solar Panel	Brown	
4 - Solar Panel	Blue		4 - Solar Panel	Blue	
5 Motor 1	Speed Regulation		5 Motor 1	Speed Regulation	
6 Motor 1	Speed regulation		6 Motor 1	Speed regulation	
7 Speed Sensor 1 *	Blue		7 Speed Sensor	Blue	
8 Speed Sensor 1 *	Black		8 Speed Sensor *	Black	
9 Speed Sensor 2 *	Yellow/green		9 Speed Sensor *	Yellow/green (Red)	
10 Speed Sensor 2 *	Brown		10 Speed Sensor	Brown	
11 Stop Sensor	Blue or Brown		11 Stop Sensor	Blue or Brown	
12 Stop Sensor	Blue or Brown		12 Stop Sensor	Blue or Brown	
13 Motor 2		Stop Motor	13 Motor 2		Stop Motor
14 Motor 2		Stop Motor	14 Motor 2		Stop Motor
15 Pressure	Blue or Brown		15 Pressure	Blue or Brown	
16 Pressure	Blue or Brown		16 Pressure	Blue or Brown	
17 - BIP			17 BIP -		
18 + BIP			18 BIP +		

\* If the distance counter count the wrong way, the speed sensor should be turned or sensor 1-1 swapped with sensor 2-2.

\* If the distance counter count the wrong way, the cables on terminal 8 and 9 must be swapped.

<b>Program Rain 10 6 Pol Connector</b>		
19 + GSM	Brown	+12 V
20 - GSM	Blue	
21 Reserved		
22 Reserved		
23 Reserved		
24 Reserved		

**Technical data**

Dimensions ( h*w*d)	170*140*100
Voltage	10-15V dc
Current	6 mA ( Idle ) 30 mA ( with GSM ) 80 mA ( Light )
	5A motor max current
Fuse	5A Fast 5A Fast

## **Fault localisation.**

? The turbine can not start by pressing START. Pre-and post-irrigation can not take place.

### **Answer:**

Magnet for stop-sensor is not on its place, or cable or sensor is damaged.

Stop sensor: The mark ■ must be on when the magnet is on place, and it disappears when the magnet is removed. See menu 3.

A damaged cable can be repaired but absolutely watertight. At least encapsulated in epoxy.

But a new sensor and cable is recommend.

If pressure sensor is used there must be pressure on the water. The mark ■ for pressure must be on.

? No digits in the display.

### **Answer:**

Battery interrupts. Fuse inside the box is blown. The fuse is for wrong connection of + and - .

From the factory there are an extra fuse on a single fuse-holder on the printed circuit.

Fuse 5 A. Battery electric voltage 12 V. See menu 2.

? The clock shows 00:00.

### **Answer:**

If the power has been interrupted the clock will go to zero. Therefore instead of showing the finishing time it is the number of hours and minutes to the irrigator is finished that is shown. If the clock is set the time to the irrigator has finished will be show. See setting the clock.

? Distance meter is not correct and the speeds not correct.

### **Answer:**

See after damaged cable or sensor. The 2 marks ■ ■ must during pulling out the tube appear in order from the left as following: The first appear the second appear the first disappear the second disappear. During retraction it must go in opposite order. See menu 3 speed sensor.

It is the same if a roller running on the tube measures the speed.

? Only maybe the half or 2/3 of the real length is counted up.

### **Answer:**

The stop mechanism can be activated a short time by hopping of the tube or if the windings around the drum are losing. It can cause the magnet removed from the stop sensor a short moment. It will set the counter to zero.

In spite of the meter of the tube is not correct the irrigator will run to the end and stop normal. But incorrect speed depends of the incorrect registration of the actual layer.

If wanted the correct number of metre can be set in. See CONSTANT no 7.

### **The most used combination of different constants:**

With constants factory adjusted the machine always will run. But there are different conditions from farm to farm and there are also different wishes from the farmer. Therefore some constants can be adjusted for local wishes.

#### **1. Slow start of turbine.**

Machine data no. 13 is adjusted to 2-4 to start. Now the valve for control of speed will close about half and continue stepwise until the adjusted speed are reached. Correct adjustment is: Continuously closing of the valve until the turbine is start running and stepwise until adjusted speed is reached.

#### **2. Slow opening for inlet of water.**

Machine data no. 17 is set to 1. Opening for the water will be stepwise.

#### **3. Only 1 motor for speed regulation.**

Machine data no. 12 is set to 0. Post irrigation will take place as following: When the stop sensor is activated the turbine stops. After the time for post irrigation the machine start again and run to the mechanic stop.

#### **4. Start up of no. 2 machine when no. 1 machine reaches the stop.**

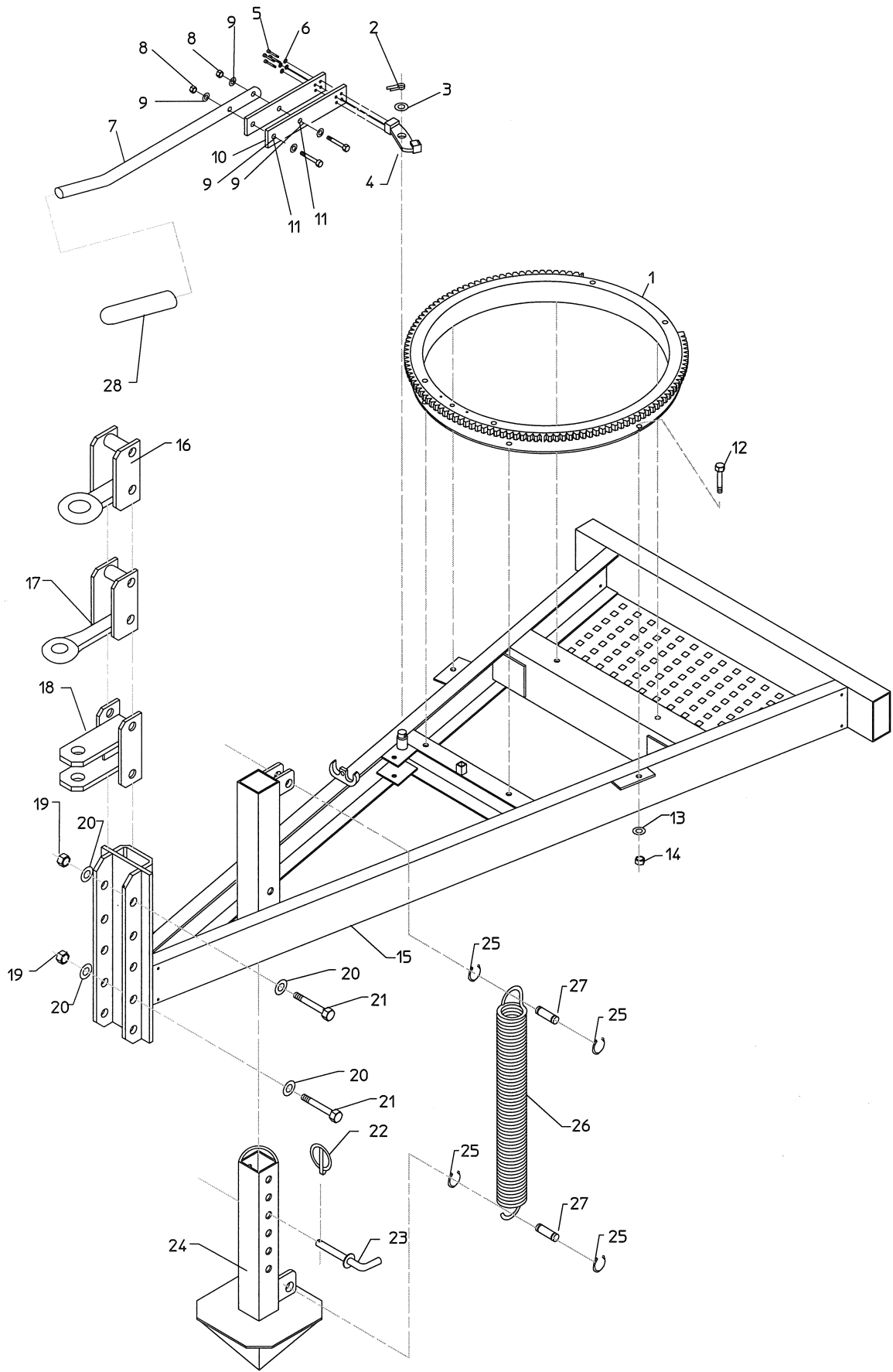
Machine data no. 14 is set to 2. Both machines must be equipped with adjustable pressure switch. Adjust the pressure switch to a point between normal pressure and the pressure when the pump will stop. For instance: Normal pressure can be 7 bar and pressure for pump stop 9 bar. Adjust the pressure switch to 8 bar on both the machines. Start no. 1 machine as normal by pressing start. Set up no. 2 machine but press stop. When no. 1 machine comes to slow close down, no. 2 machine will start up when the pressure reach 8 bar. Please note that if the field's height difference is too large, the necessary pressure differences, the pressure switch may be set to be too large

#### **5. Stop the machine because of low pressure and pressure switch mounted.**

Constant no. 6 is set to 1 and machine data no. 12 must be set to 2. (= Stop motor from turning in opposite direction.) It means that with the same cable connection to the motor, the valve will open instead of closing for stop. After 2 minutes the valve closes again, otherwise it is impossible to obtain pressure to start. When machine data 12 is 2, the valve only opens in connection with the stop-sensor, stop-button and supervision. But not when the pressure switch is turned off.

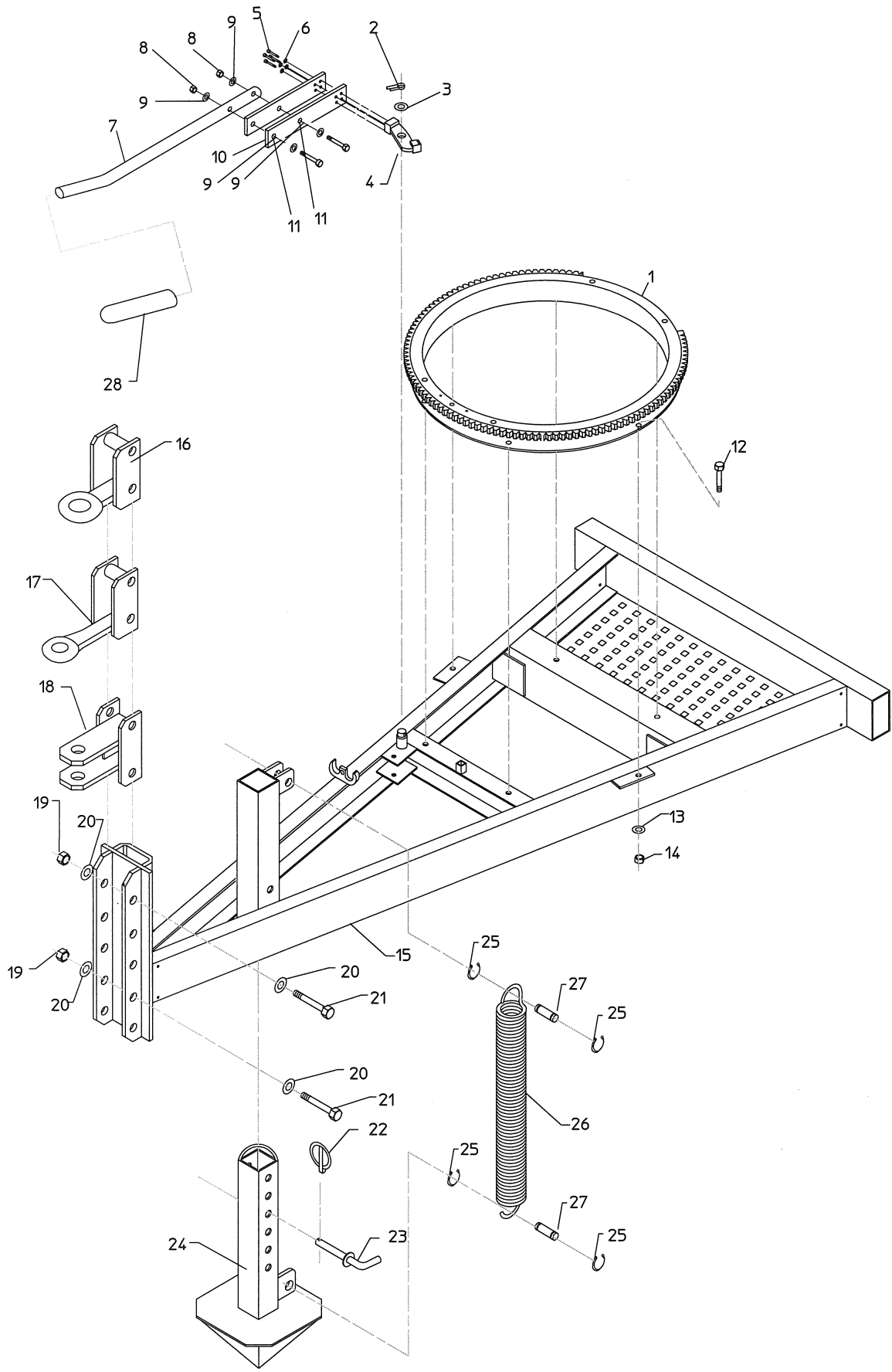
#### **6. Pre-irrigation before the gun reaches the stop.**

Constant no 9 can be set to the number of meters; you want the gun to stop before the end stop. Now post irrigation should take place before the pipe starts lifting the gun wagon, which causes a wrong position of the gun. This can be up to 15 meters before the end stop. The drive stops within post irrigation og then run to normal stop.



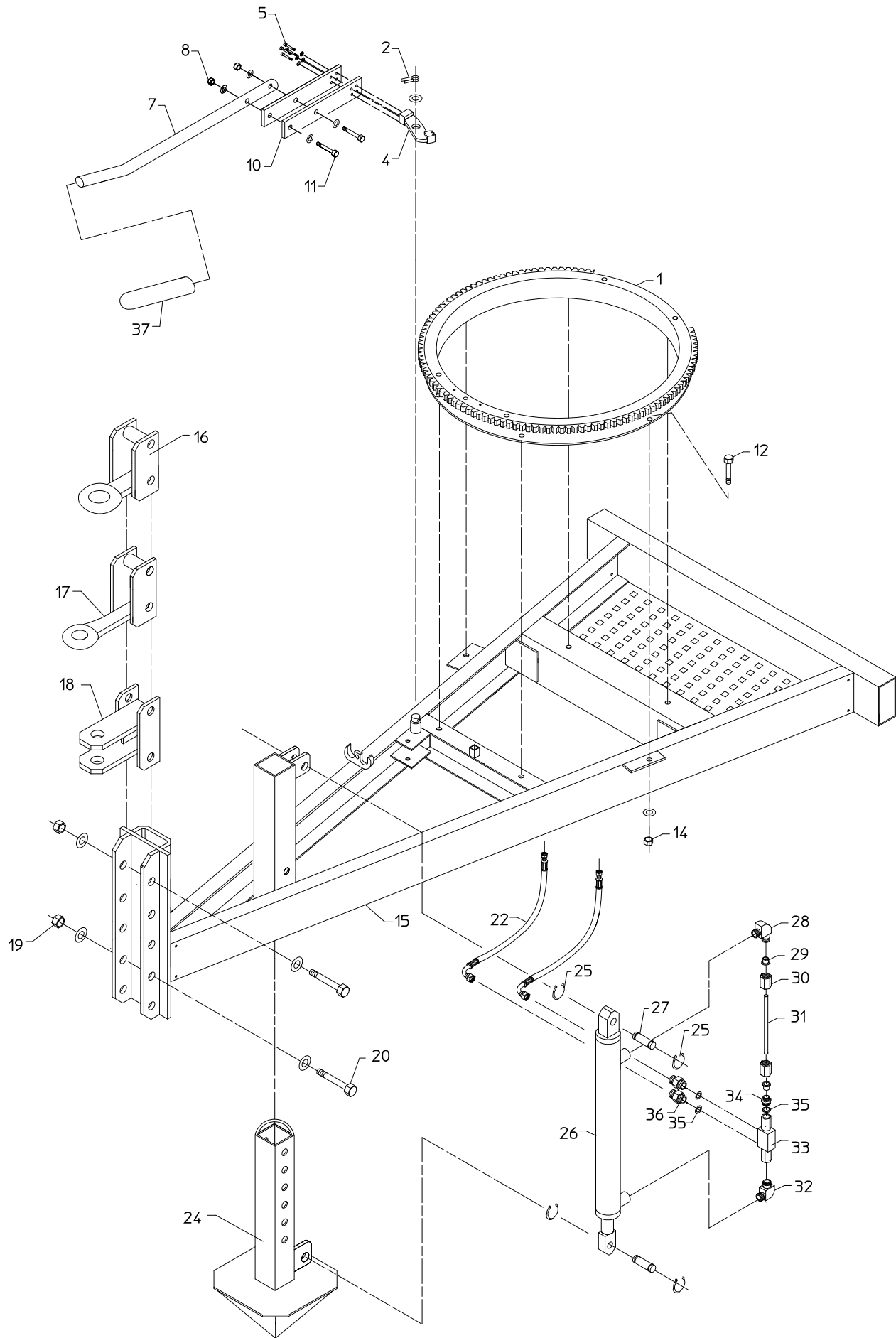
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 -	11000023	Drejkrans Turning disc	Drehkranz Jante rotatore	Ø1100 mm
2 -	763836	Split Cotter pin	Splint Goupille fendue	Ø5 x 40 mm
3 -		Facetskive Washer	Scheibe Rondelle	Ø5 mm
4 -	31000219	Låsepal Pawl	Sperrklinke Cliquet	
5 -	761090	Bolt Bolt	Bolzen Boulon	M6 x 20 mm
6 -		Facetskive Washer	Scheibe Rondelle	Ø6 mm
7 -	31000236	Låsepalshåndtag Lever for pawl	Hebel für Sperrklinke Levier pour cliquet	
8	763865	Låsemøtrik Self-Locking nut	Selbstsichernde Mutter Ecrou autofreine hfr	M12
9	761100	Facetskive Washer	Scheibe Rondelle	Ø12 mm
10 -	31000218	Bladfjeder Spring retainer	Blattfeder Ressort à lame	
11 -	761116	Bolt Bolt	Bolzen Boulon	M12 x 40 mm
12 -	763625	Bolt Bolt	Bolzen Boulon	M16 x 40 mm
13		Facetskive Washer	Scheibe Rondelle	Ø16 mm
14	763750	Låsemøtrik Self-Locking nut	Selbstsichernde Mutter Ecrou autofreine hfr	M16
15 -	11000033	Undervogn Undercarriage	Unterbau Chassis	
16 -	11000014	Hitchøjetræk Drawbar eye	Zugöse Anneau d'attelage	Ø50 mm
17 -	11000050	Hitchøjetræk Drawbar eye	Zugöse Anneau d'attelage	Ø40 mm
18 -	11000003	Beslag for gaffeltræk Bracket for drawbar	Beschlag für Gabelzug Support de barre d'attelage	Ø30 mm
19 -	763600	Låsemøtrik Self-Locking nut	Selbstsichernde Mutter Ecrou autofreine hfr	M20
20 -		Facetskive Washer	Scheibe Rondelle	Ø20 mm
21 -	763880	Bolt Bolt	Bolzen Boulon	M20 x 180 mm
22 -	763640	Ringsplit Ring Pin	Ringsplit Goupille de securite	6 mm
23 -	31000077	Nagle Spike	Nagel Loquet	Ø20 mm
24 -	11000000	Støtteben Supporting Leg	Stützbein Bequille	
25 -	700030	Låsering udvendig Locking ring ext.	Sicherungsring äusserer Circlip ext.	Udv. Ø30 mm Rustfri
26 -	661770	Trækfjeder Spring	Feder Ressort	Ø7.5 x 88 x 600 mm
27 -	04000880	Nagle Spike	Nagel Loquet	Ø30 mm



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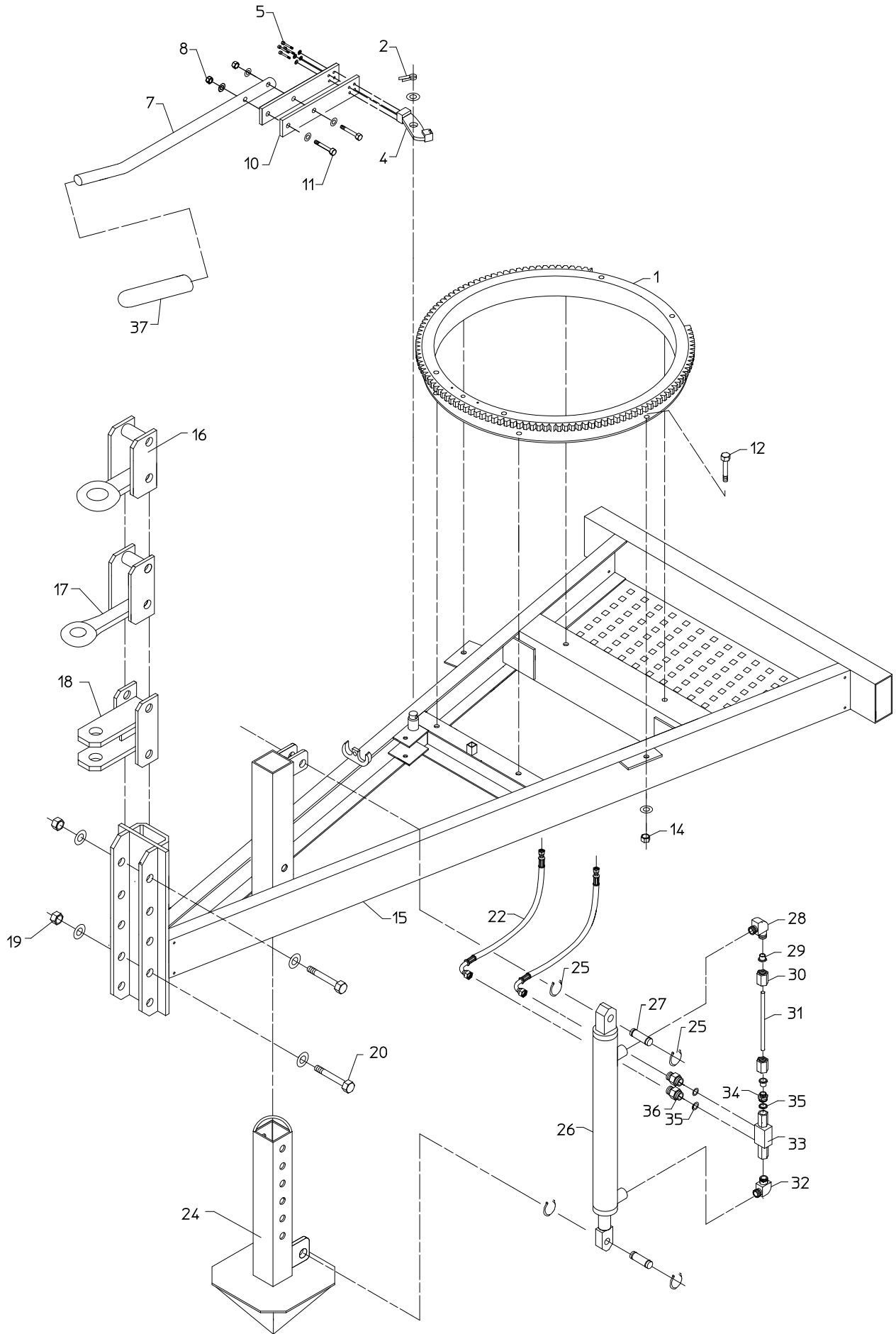
Pos. Nr.	Best. Nr.	Benævnelse	Bezeichnung	Bemærkninger
Pos. No.	Part No.	Designation	Marque	Remark
Pos. Nr.	Teil Nr.			Bemerkungen
Pos. No.	Piece No.			Remarque
28	680006	Plastgreb, sort	Handgriff	Ø20 mm
-		Handle Grip	Poignée	





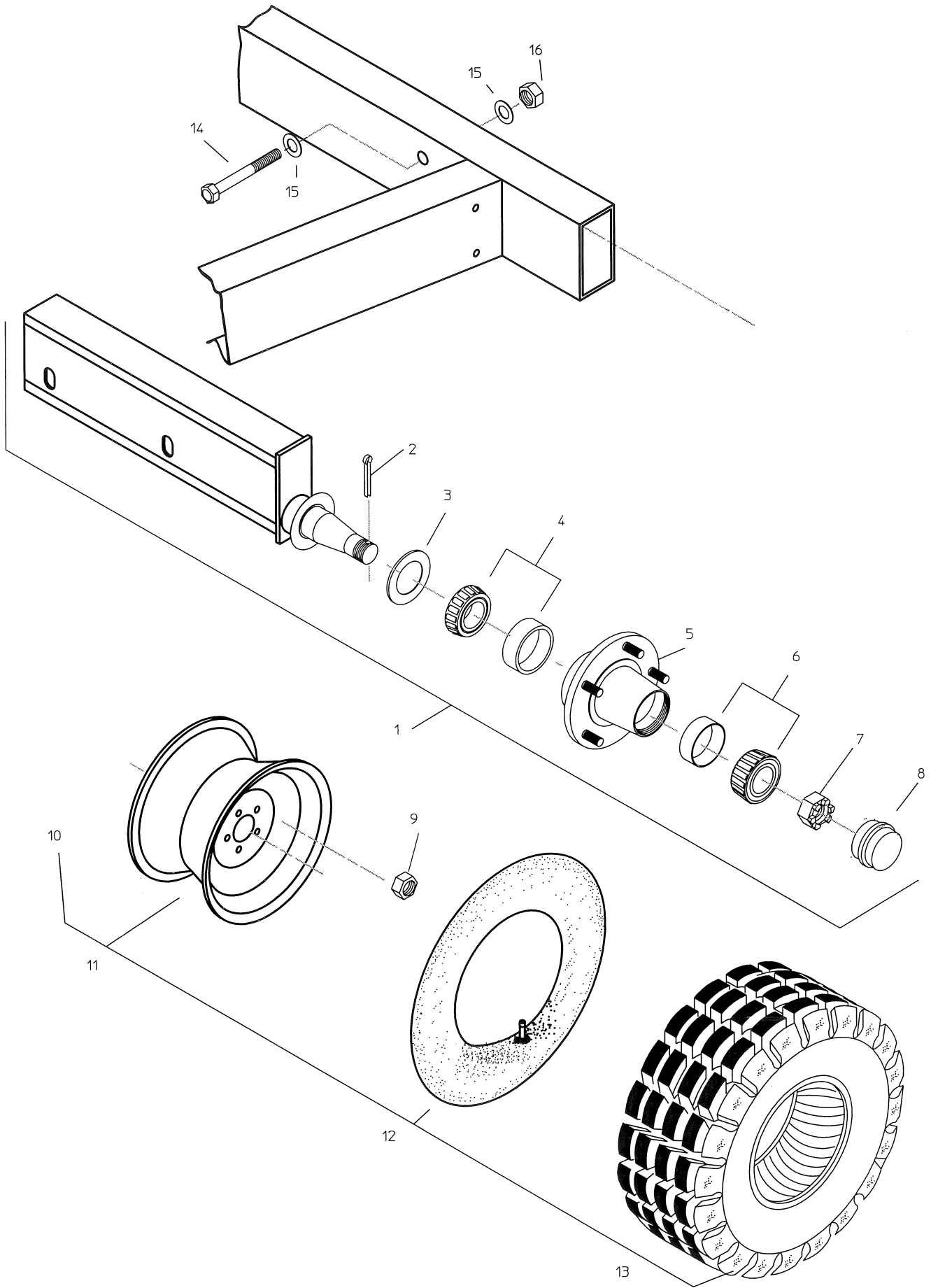
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 -	11000023	Drejkrans Turning disc	Drehkranz Jante rotatore	Ø1100 mm
2 -	763836	Split Cotter pin	Splint Goupille fendue	Ø5 x 40 mm
3 -		Facetskive Washer	Scheibe Rondelle	Ø5 mm
4 -	31000219	Låsepal Pawl	Sperrklinke Cliquet	
5 -	761090	Bolt	Bolzen	M6 x 20 mm
6 -		Bolt Facetskive Washer	Boulon Scheibe Rondelle	Ø6 mm
7 -	31000236	Låsepalshåndtag Lever for pawl	Hebel für Sperrklinke Levier pour cliquet	
8 -	763865	Låsemøtrik Self-Locking nut	Selbstsichernde Mutter Ecrou autofreine hfr	M12
9 -	761100	Facetskive Washer	Scheibe Rondelle	Ø12 mm
10 -	31000218	Bladfjeder Spring retainer	Blattfeder Ressort à lame	
11 -	761116	Bolt	Bolzen	M12 x 40 mm
12 -	763625	Bolt	Boulon	M16 x 40 mm
13 -		Bolt Facetskive Washer	Bolzen Boulon Scheibe Rondelle	M16 x 40 mm Ø16 mm
14 -	763750	Låsemøtrik Self-Locking nut	Selbstsichernde Mutter Ecrou autofreine hfr	M16
15 -	11000033	Undervogn Undercarriage	Unterbau Chassis	
16 -	11000014	Hitchøjetræk Drawbar eye	Zugöse Anneau d'attelage	Ø50 mm
17 -	11000050	Hitchøjetræk Drawbar eye	Zugöse Anneau d'attelage	Ø40 mm
18 -	11000003	Beslag for gaffeltræk Bracket for drawbar	Beschlag für Gabelzug Support de barre d'attelage	Ø30 mm
19 -	763600	Låsemøtrik Self-Locking nut	Selbstsichernde Mutter Ecrou autofreine hfr	M20
20 -		Facetskive Washer	Scheibe Rondelle	Ø20 mm
21 -	763880	Bolt	Bolzen	M20 x 180 mm
22 -	556005	Bolt Hydraulikslange Hydraulic hose	Boulon Hydraulischer schlauch Flexible hydraulique	
23 -	-	-		
24 -	11000000	Støtteben Supporting Leg	Stützbein Bequille	
25 -	700030	Låsering udvendig Locking ring ext.	Sicherungsring aüsserer Circlip ext.	Udv. Ø30 mm
26 -	550002	Hydraulikcylinder Hydraulic cylinder	Hydraulikzylinder Hyd. cylinder	Ø60/40 x 400 mm



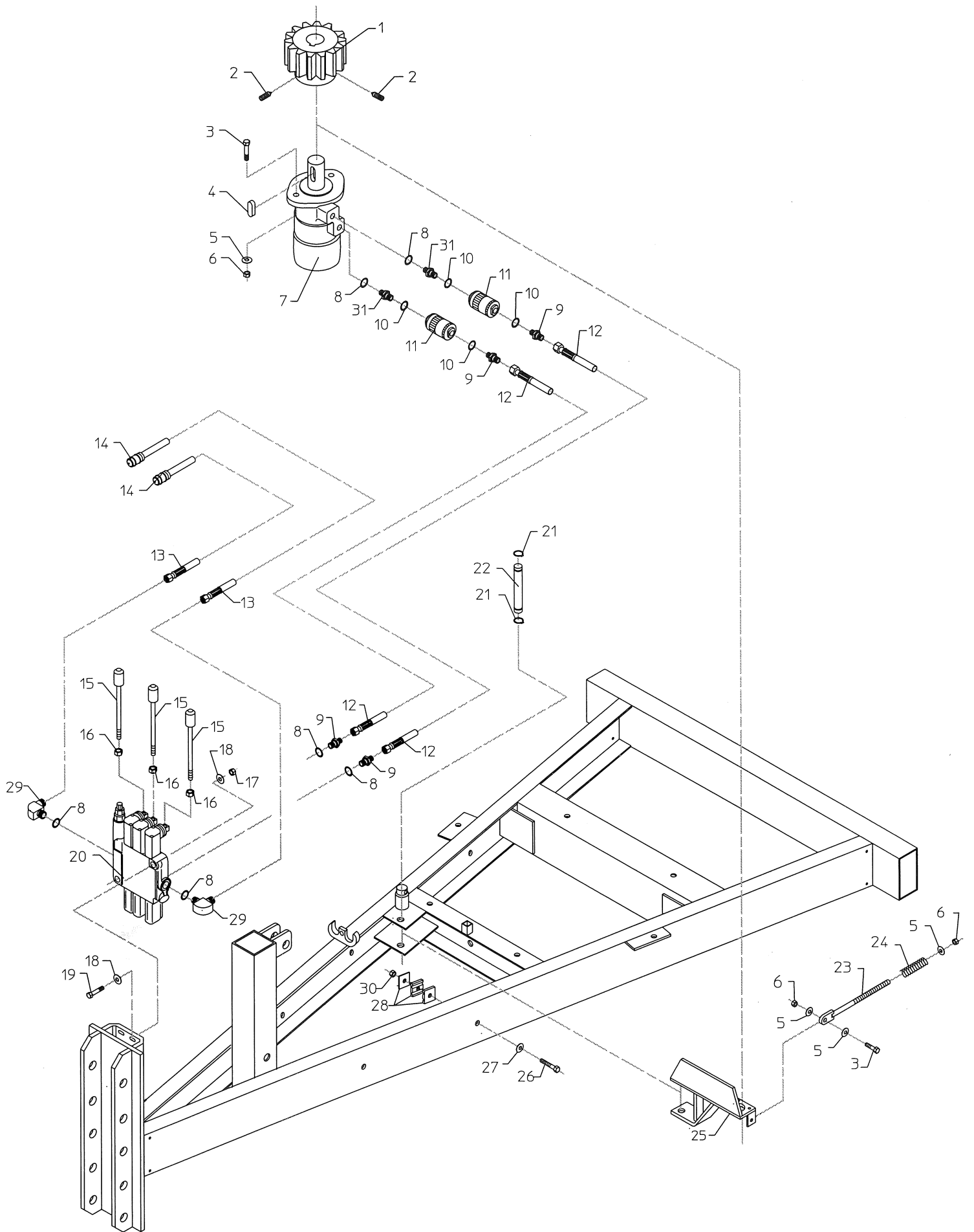
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
27 -	04000880	Nagle Spike	Nagel Loquet	Ø30 mm
28 -	552036	Vinkel Angel	Knie Goude	3/8" x Ø10 mm
29 -	552038	Skærering Ring	Ring Raccords	Ø10 mm
30 -	552023	Omløber Ring	Ring Raccords	Ø10 mm
31 -	35000273	Rør Pipe	Rohr Tube	Ø10 x 445 mm
32 -	552039	Vinkel Angel	Knie Goude	3/8" x 3/8"
33 -	551009	Kontraventil Contra valve	Kontra Ventil Valve	3/8"
34 -	552040	Nippel Nipple	Nippel Mamelon cylindrique	3/8" x Ø10 mm
35 -	552025	Tætningskive Bonded seal	Dichtungsring Rondelle d `étanchèité	3/8"
36 -	1007724	Nippel Nipple	Nippel Mamelon cylindrique	3/8" x Ø12 mm
37 -	680006	Plastgreb, sort Handle Grip	Handgriff Poignée	Ø20 mm



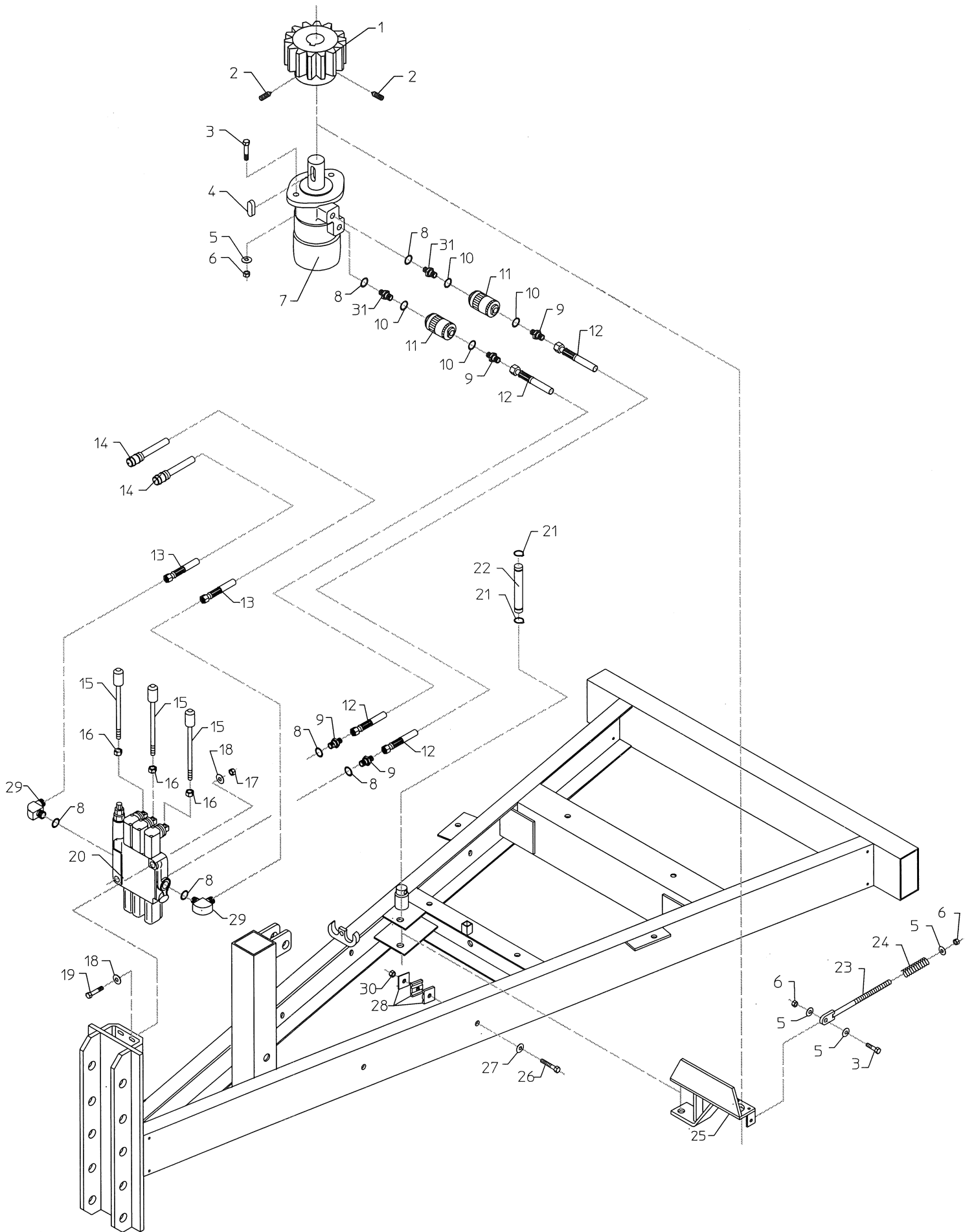
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr.	Best. Nr.	Benævnelse	Bezeichnung	Bemærkninger
Pos. No.	Part No.	Designation	Marque	Remark
Pos. Nr.	Teil Nr.			Bemerkungen
Pos. No.	Piece No.			Remarque
1	11000004	Justerbar hjulaksel komplet	Justierbar Radachse komplet	6/161/205 mm
-		Adj. Wheel axel complete	Justable roue arbre complète	
2	1009181-8	Rørsplit	Splitz	
-		Split	Goupille	
3	1009181-7	Pakdåse	Stopfbuchse	
-		Packing Box	Presse Garniture	
4	1009181-2	Lejering	Lagering	
-		Bearing	Bague Ext. De roulement	
5	1009181	Nav	Nabe	
-		Hub	Moyeu	
6	1009181-1	Lejering	Lagering	
-		Bearing	Bague Ext. De roulement	
7	1009181-5	Kronemøtrik	Mutter	
-		Nut	Ecreu	
8	1009181-6	Dæksel	Deckel	
-		Cover	Bouchon de moyeu	
9	1009181-4	Hjilmøtrik	Mutter	M18 x 1,5 mm
-		Nut	Ecreu	
9	1009181-3	Navbolt	Bolzen	M18 x 1,5 mm
-		Bolt	Boulon	
10	1007790	Hjul komplet	Rad komplett	8 TT 11.5/80/15,3" x 10 L
-		Wheel complete	Roue complète	
10	890800	Hjul komplet	Rad komplett	10-12 TT 14,0/65/16" x 14 L
-		Wheel complete	Roue complète	
11	833912	Fælg	Felge	8 TT2
-		Wheel rim	Jante	
11	833913	Fælg	Felge	10-12 TT
-		Wheel rim	Jante	
12	833940	Slange	Schlauch	8 TT
-		Hose	Chambre á air	
12	872915	Slange	Schlauch	10-12 TT
-		Hose	Chambre á air	
13	1008702	Dæk	Reifen	8 TT
-		Tyre	Pneu	
13	833981	Dæk	Reifen	10-12 TT
-		Tyre	Pneu	
14	763706	Bolt	Bolzen	M12 x 120 mm
-		Bolt	Boulon	
15		Planskive	Planscheibe	Ø12 mm
-		Face Plate	Rondelle plate	
16	763750	Låsemøtrik	Selbstsicherende	M16
-		Self- locking nut	Ecrou	



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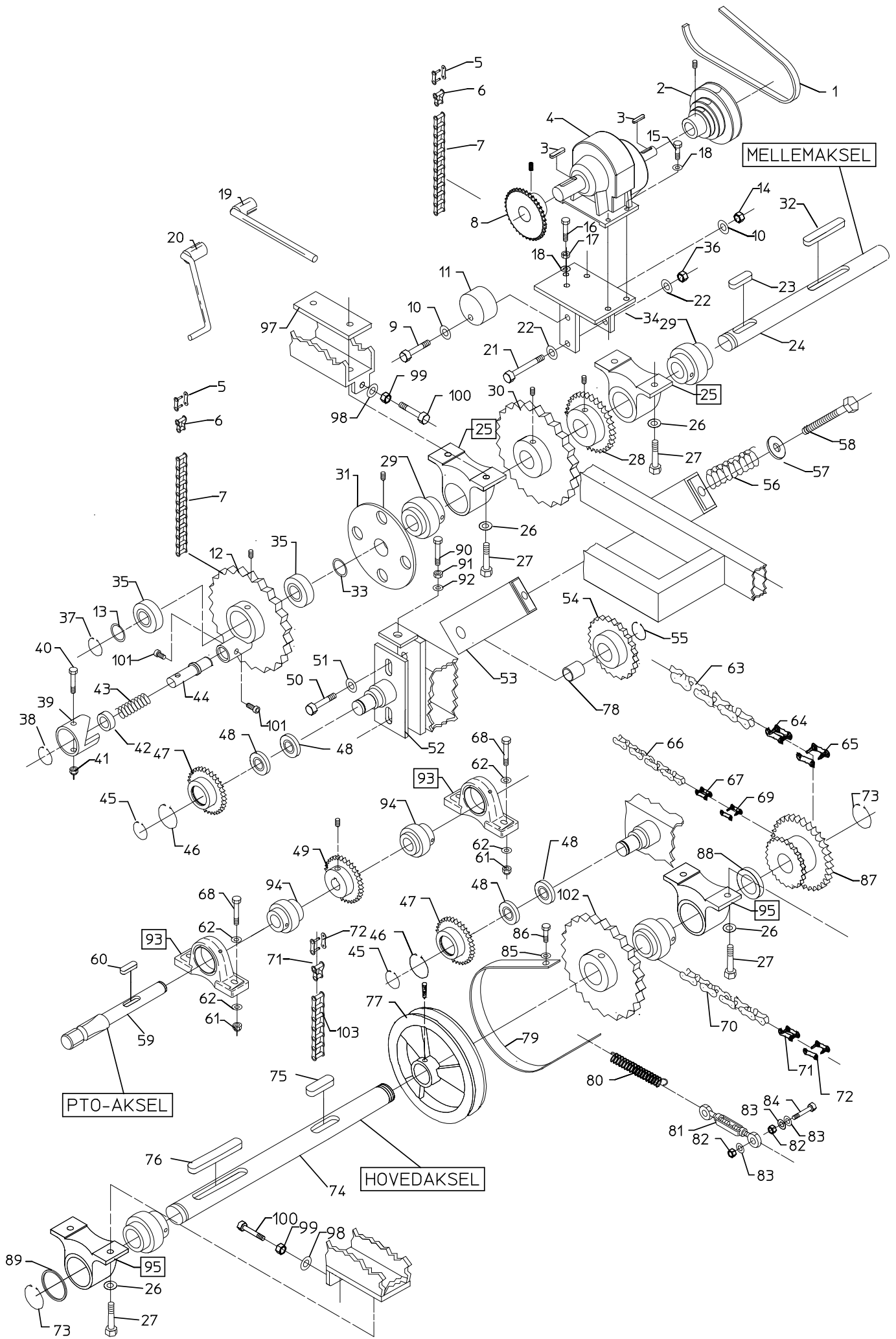
Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	31000079	Tandhjul Toothed wheel Pinolskrue Pointed screw	Zahnrad Pignon Reitstockschraube Vis sans tête	Ø25 x 18Z  Ø8 x 8 mm
3 - 4	761116 1007441	Bolt Bolt Feder Parallel key	Bolzen Boulon Feder Clavette paraellele	M12 x 40 mm  7 x 8 x 32 mm
5 - 6 -	763865	Planskive Face plate Låsemøtrik Self-locking nut	Planscheibe Rondelle Selbstsichernde Mutter Ecrou hfr	Ø12  M12
7 - 8 -	1007440 552024	Hydraulikmotor Hydraulic motor Tætningsring Bonded seals	Hydraulikmotor Moteur hydraulique Dichtungsring Rondelle d'étanchéité	  1/2"
9 - 10 -	1007724 552025	Brystnippel Hexagon nipple Tætningsring Bonded seals	Bundnippel Raccord droit Dichtungsring Rondelle d'étanchéité	3/8" x Ø12 mm  3/8"
11 - 12 -	551013 556003	Reduktionsventil Reduction valve Hydraulikslange Hydraulic hose	Reduktionsventil Valve de reduction Hydraulischer schlauch Flexible hydraulique	3/8"  3/8" x 1900 mm
13 - 14 -	556000 801710	Hydraulikslange Hydraulic hose Lynkobling Quick coupling	Hydraulischer schlauch Flexible hydraulique Schnellkupplung Raccord	3/8" x 2000 mm  1/2"
15 - 16 -	551011 761017	Ventilhåndtag Crank valve Møtrik Nut	Ventil Handkurbel Valve de poignet Mutter Ecrou	  M10
17 - 18 -	763863	Låsemøtrik Self-locking nut Planskive Face plate	Selbstsichernde Mutter Ecrou hfr Planscheibe Rondelle	M8  Ø8
19 - 20 -	763735 551015	Bolt Bolt Manøvreventil m. 3 ventiler Valve block with 3 valves	Bolzen Boulon Ventilblock mit 3 Ventilen Distributeur hydraulique	M8 x 40 mm  
21 - 22 -	703025 31000016	Låsering udvendig Locking ring ext. Aksel Axle	Sicherungsring äusserer Circlip ext. Achse Arbre	25 mm  Ø25
23 - 24 -	31000050 662565	Strammebolt Tighten bolt Trykfeder Spring	Spannen Boltzen Boulon serrer Drückfeder Ressort	  Ø7 x 27 x 42 x 5V
25 -	11000002	Motorkonsol Bracket motor	Träger der Motor Platine de support moteur hyd.	





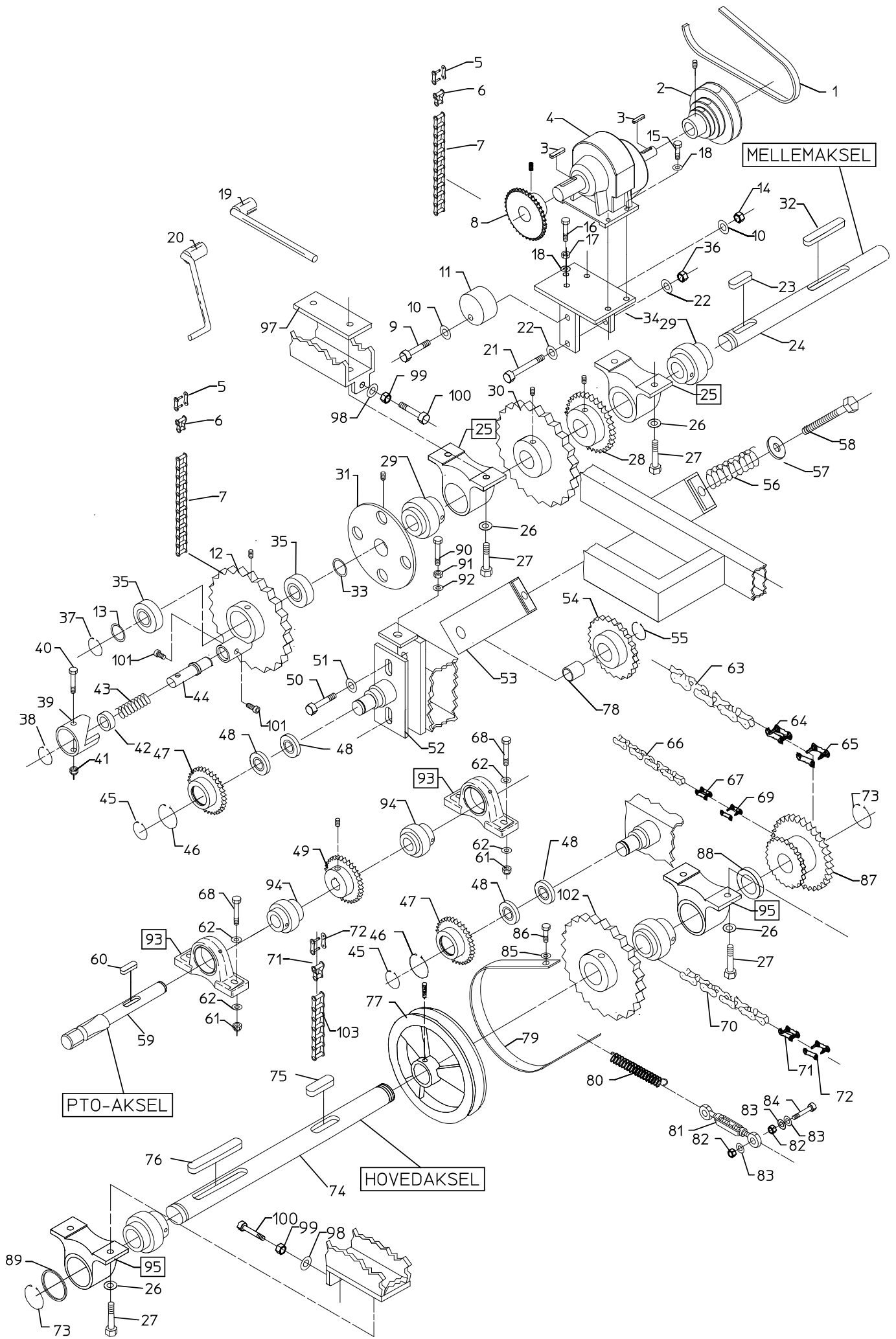
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr.	Best. Nr.	Benævneelse	Bezeichnung	Bemærkninger
Pos. No.	Part No.	Designation	Marque	Remark
Pos. Nr.	Teil Nr.			Bemerkungen
Pos. No.	Piece No.			Remarque
26	761038	Bolt	Bolzen	M8 x 50 mm
-		Bolt	Boulon	
27		Planskive	Planscheibe	Ø8
-		Face plate	Rondelle	
28	1007514	Slangeholder	Schlauchhalter	2 x Ø17 mm
-		Hoseholder	Fixation flexible	
29	1007544	Vinkel	Knie	3/8" x Ø12
-		Angle	Goude	
30	763863	Låsemøtrik	Selbstsichernde Mutter	M8
-		Self-locking nut	Ecrou hfr	
31	1007538	Brystnippel	Bundnippel	1/2" x 3/8"
-		Hexagon nipple	Raccord	



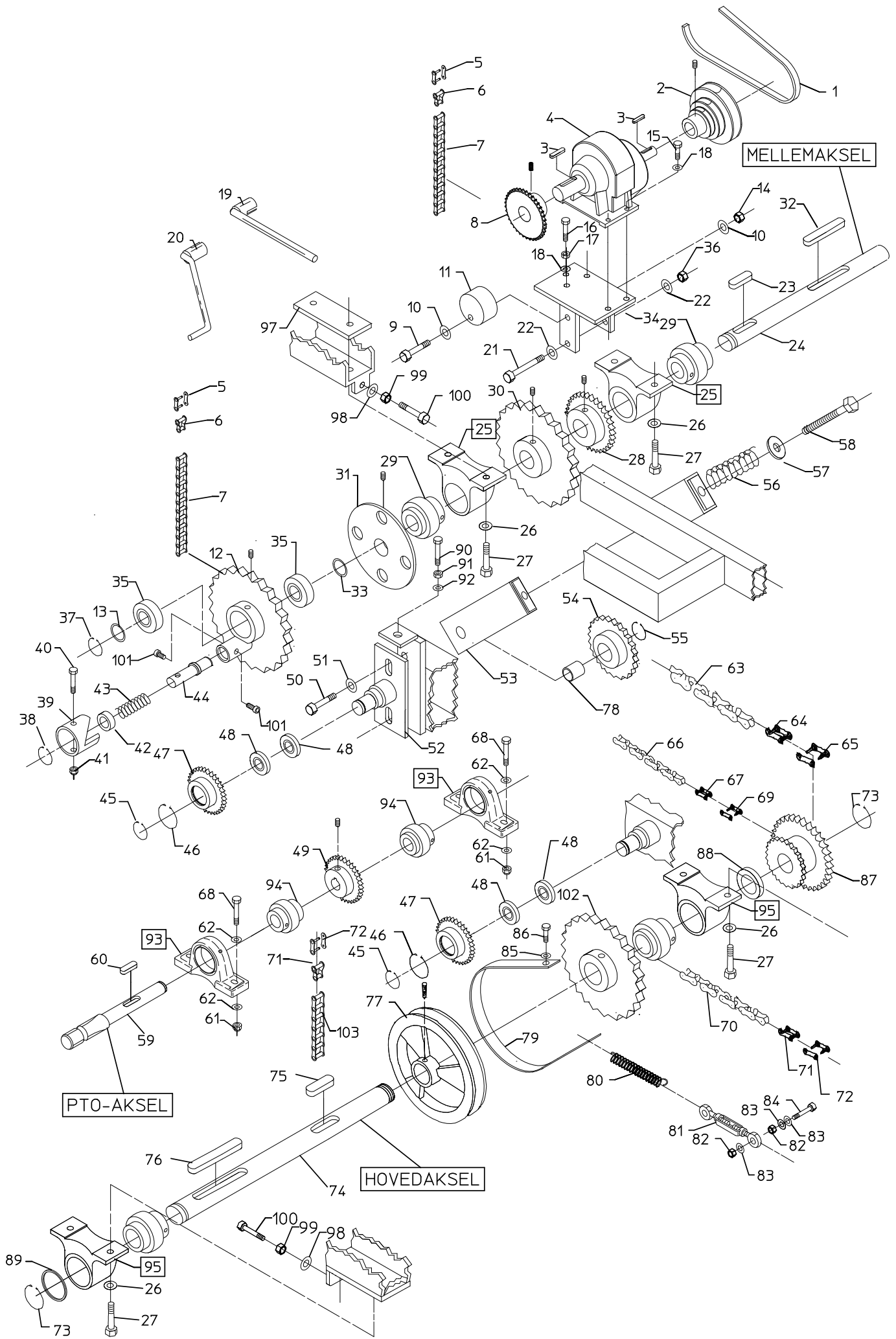
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	800042 20000016	Kilerem V-belt Trapperemskive Tripple pulley	Riemen Courroie Riemenscheibe Poulie	XPZ 1112 Udb. Ø16mm Stål
3 -	641525	Feder Parallel key	Feder Clavette parallèle	5 x 5 x 25 mm
4 -	821170	Tandhjulsgeær Toothwheelsgear	Gear Réducteue pignon	
5 -	790513	Lige samleled Straight joint link	Gerades forbindingsstük Maillon	3/4" x 7/16"
6 -	790514	Forkrøblet samleled Bent joint link	Gekrüpfers forbindingsstük Maillon attache rapide	3/4" x 7/16"
7 -	18000655	Kæde Chain	Kette Chaine	3/4" x 7/16" x 76 ruller
8 -	791038	Kædehjul Chain wheel	Kettenrad Pignon	3/4" x 7/16" - 15 Z
9 -	761192	Bolt Bolt	Bolzen Boulon	M12 x 60 mm
10 -		Planskive Washer	Scheibe Rondelle	Ø12 mm
11 -	18000676	Excentrik Eccentric	Exzenter Excentrique	Ø100 x 50 mm
12 -	18000021	Koblingshjul Chain wheel with clutch	Kupplungsrad Roue de disque	3/4" x 7/16" - 40 Z
13 -	-	Skive Washer	Scheibe Rondelle	40 x 1 mm Sims
14 -	763865	Låsemøtrik Self-locking nut	Selbstsichernde Mutter Ecrou hfr	M12
15 -	763420	Bolt Bolt	Bolzen Boulon	M12 x 30 mm
16 -	761192	Bolt Bolt	Bolzen Boulon	M12 x 60 mm
17 -	761061	Møtrik Nut	Mutter Ecrou	M12
18 -		Planskive Washer	Scheibe Rondelle	Ø12
19 -	15001038	Koblingsnøgle Clutch key	Kopplungs schlüssel Clè de disque	
20 -	15000026	PTO-håndtag PTO-Crank	Handkurbel der zapfwelle Mainivelle de prise de force	
21 -	763412	Bolt Bolt	Bolzen Boulon	M10 x 120 mm
22 -		Planskive Washer	Scheibe Rondelle	Ø10
23 -	641840	Feder Parallel key	Feder Clavette parallèle	12 x 8 x 40
24 -	18000681	Mellemaksel Axle	Zwischenwelle Arbre	Ø40 x 370 mm
25 -	842040	Ståleje Bearing	Lager Roulement	Ø40 mm Kpl.
26 -		Planskive Washer	Scheibe Rondelle	Ø16



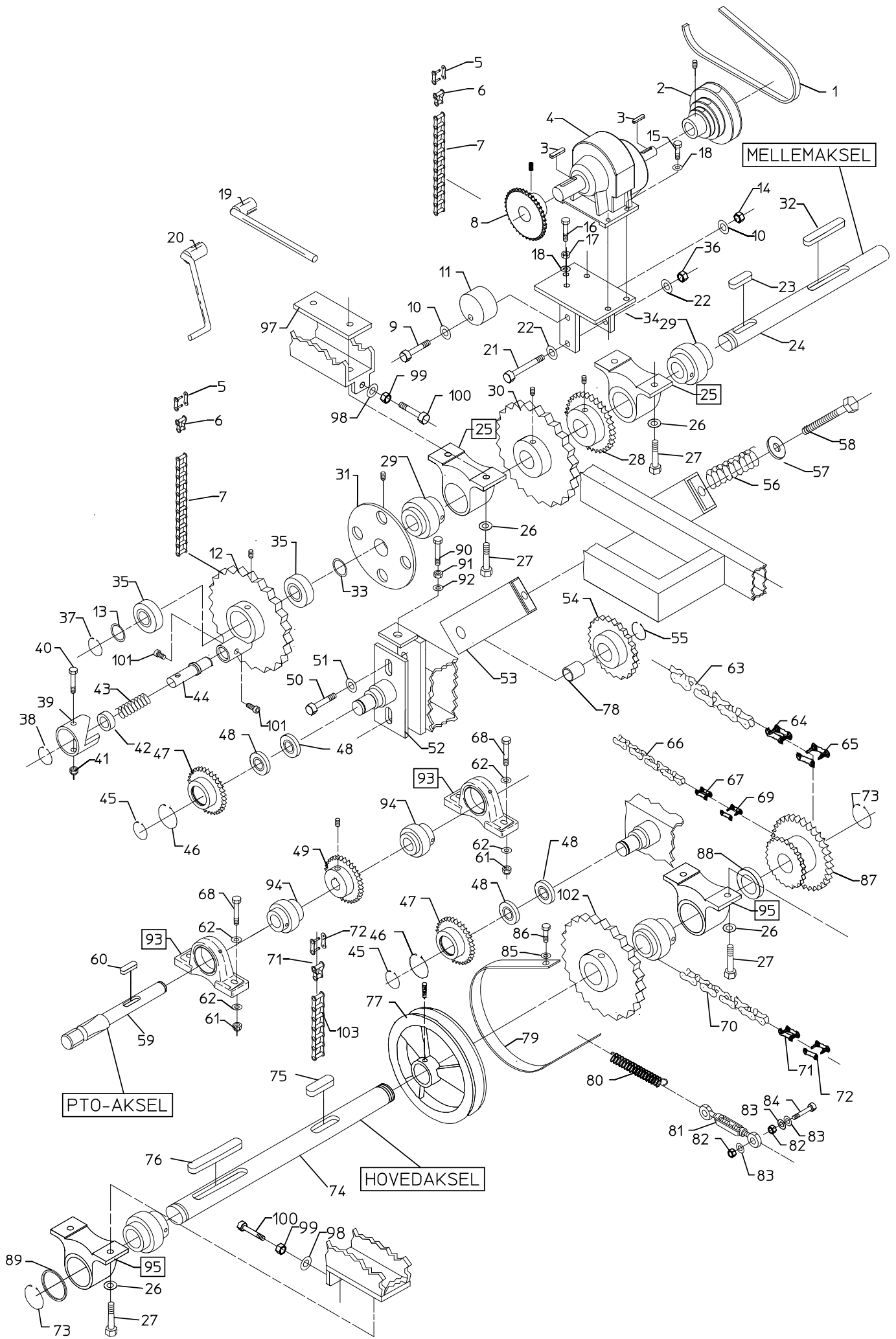
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
27 - 28 -	763710 791098	Bolt Bolt Kædehjul Chain wheel	Bolzen Boulon Kettenrad Pignon	M16 x 50 mm 1" x 17,02 - 13 Z
29 - 30 -	842041 791101	Kugleleje Ball bearing Kædehjul Chain wheel	Lager Roulement Kettenrad Pignon	Ø40 mm 1" x 17,02 - 32 Z Udb. Ø40
31 - 32 -	18000036 641885	Koblingsplade Clutch disc Feder Parallel key	Kupplungsplatte Disque Feder Clavette parallèle	12 x 8 x 100
33 - 34 -	- 8000620	Skive Washer Gearkonsol Gear console	Scheibe Rondelle Getriebe konsol Réducteue console	40 x 50 x 7
35 - 36 -	845040 763864	Kugleleje Ball bearing Låsemøtrik Self-locking nut	Lager Roulement Selbstsichernde Mutter Ecrou hfr	M10
37 - 38 -	700040 701035	Låsering udvendig Locking ring ext. Låsering indvendig Locking ring int.	Sicherungsring äusserer Circlip ext. Sicherungsring inw Circlip int.	Udv. Ø40 mm Indv. Ø35 mm
39 - 40 -	18000002 763824	Udrykkerbøsning Disengaging bushing Bolt Bolt	Ausrücken Buchse Bague Bolzen Boulon	M8 x 70 mm
41 - 42 -	763863 18000005	Låsemøtrik Self-locking nut Styrebøsning Bushing	Selbstsichernde Mutter Ecrou hfr Buchse Bague	M8
43 - 44 -	662252 18000006	Fjeder Spring Koblingstap Clutchtap	Feder Ressort Kupplungstap Disque	Ø2.5/26 x 53 mm Ø30 x 114 mm
45 - 46 -	700030 701055	Låsering udvendig Locking ring ext. Låsering indvendig Locking ring int.	Sicherungsring äusserer Circlip ext. Sicherungsring inw Circlip int.	Udv. Ø30 mm Indv. Ø55 mm
47 - 48 -	791097 845030	Kædehjul Chain wheel Kugleleje Ball bearing	Kettenrad Pignon Lager Roulement	1" x17.02" - 13Z
49 - 50 -	791099 763420	PTO-Kædehjul Chain wheel Bolt Bolt	Lager Roulement Bolzen Boulon	1" x17.02" - 13Z M12 x 30 mm
51 - 52 -	- 13000023	Planskive Washer Strammekonsol Tightener bracket	Scheibe Rondelle Spannen konsol Fixtion consol	Ø12
53 -	18000630	Kædestrammer Chain adjuster	Kettenspanner Tendeur de chaine	



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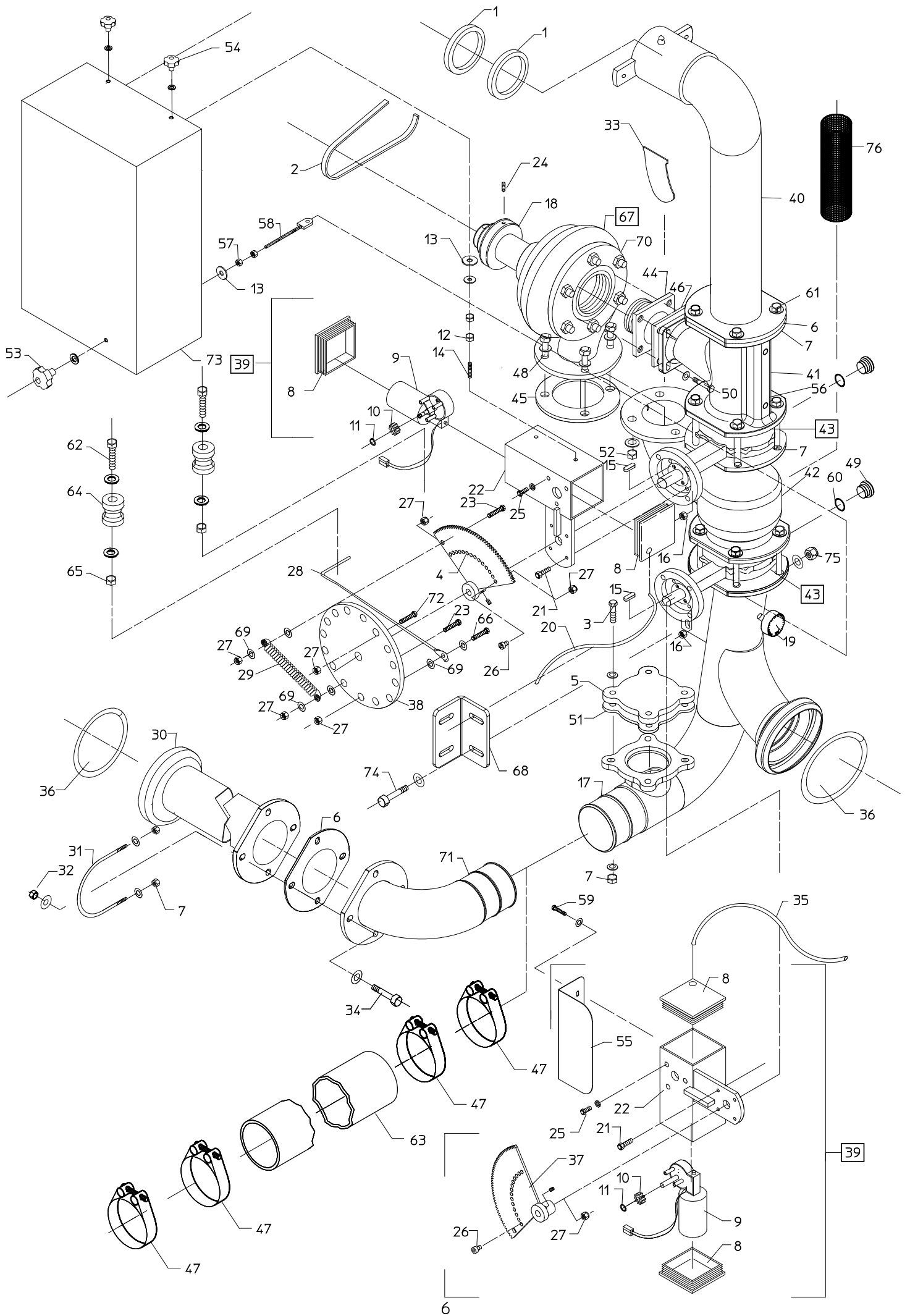
Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque	
54 -	18000634-1	Strammerulle/Tension pulley Tightener roller	Spannrolle Galet tendeur	Kpl. m.bøsning	
55 -	7000020	Låsering udvendig Locking ring ext.	Sicherungsring äusserer Circlip ext.	Udv. Ø20 mm	
56 -	662570	Fjeder Spring	Feder Ressort	Ø7/42 x 82 mm	
57 -		Skærmskive Washer	Scheibe Rondelle	Ø16	
58 -	18000660	Gevindstang Threadingbar	Gewindestange Bâton de filet	M16 x 330 mm	
59 -	33000156	PTO-Aksel PTO-axle	Zapwelle Abre manivelle		
60 -	641735	Feder Parallel key	Feder Clavette parallèle	8 x 7 x 35	
61 -	763865	Låsemøtrik Self-locking nut	Selbstsichernde Mutter Ecrou hfr	M12	
62 -		Planskive Washer	Scheibe Rondelle	Ø12	
63 -	18000652	Kæde Chain	Kette Chaîne	5/4" x 3/4" - 210 ruller	8TT
63 -	18000952	Kæde Chain	Kette Chaîne	5/4" x 3/4" - 216 ruller	10TT
63 -	18000656	Kæde Chain	Kette Chaîne	5/4" x 3/4" - 232 ruller	12TT
64 -	790712	Forkrøblet samleled Bent joint link	Gekrøpftes verbindungsstück Maillon attache rapide	5/4" x 3/4"	
65 -	790711	Lige samleled Straight joint link	Gerades verbindungsstück Maillon	5/4" x 3/4"	
66 -	18000654	Kæde Chain	Kette Chaîne	1/2" x 5/16" - 164 ruller	8-10-12TT
67 -	790312	Forkrøblet samleled Cranked link	Gekrøpftes verbindungsstück Maillon attache rapide	1/2" x 5/16"	
68 -	763700	Bolt Bolt	Bolzen Boulon	M12 x 45 mm	
69 -	790311	Lige samleled Straight link	Gerades verbindungsstück Maillon	1/2" x 5/16"	
70 -	18000653	Kæde Chain	Kette Chaîne	1" x 17.02 - 48 ruller	
71 -	790612	Forkrøblet samleled Cranked link	Gekrøpftes verbindungsstück Maillon attache rapide	1" x 17.02	
72 -	790611	Lige samleled Straight link	Gerades verbindungsstück Maillon	1" x 17.02	
73 -	700050	Låsering udvendig Locking ring ext.	Sicherungsring äusserer Circlip ext.	Udv. Ø50 mm	
74 -	33000104	Hovedaksel Main axle	Hauptwelle Palier de abre	Ø50 x 400 mm	
75 -	641950	Feder Parallel key	Feder Clavette parallèle	14 x 9 x 50 mm	
76 -	641965	Feder Parallel key	Feder Clavette parallèle	14 x 9 x 130 mm	
77 -	33000103	Bremsetromle Drumbrake	Trommelbremse Tambour	Udb. Ø50 mm	





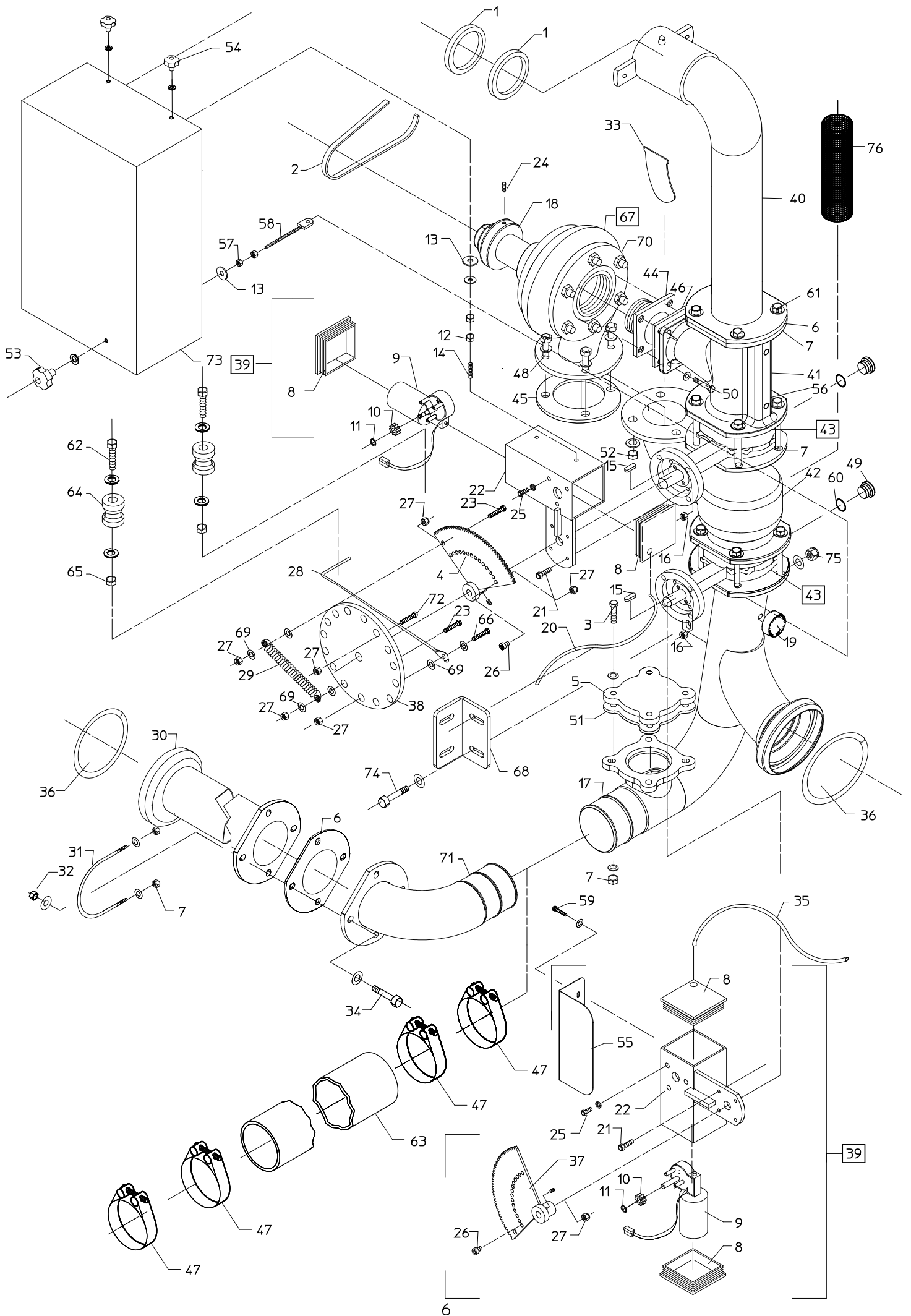
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
78 - - -	607020 - - -	Bøsning Bush	Buchse Bague	Ø28/20 x 20 mm Bronze
79 - 80 -	18000419 - 661315 -	Bremsebånd Brake band	Bremseband Bande de frein	30 x 700 mm
- 81 - 82 -	- 643608 - 763752 -	Fjeder Spring	Feder Ressort	Ø3,0/18 x 150 mm
- 83 - 84 -	- - 763735 -	Strammer Tightner	Spannung Serrer	M8
- 85 - 86 -	- - 763430 -	Møtrik Nut	Mutter Ecrou	M8
- 87 - 88 -	- - 23000003 - 33000126 -	Planskive Washer	Scheibe Rondelle	Ø8
- 89 - 90 -	- - 761239 -	Bolt Bolt	Bolzen Boulon	M8 x 40 mm
- 91 - 92 -	- - 761017 -	Planskive Washer	Scheibe Rondelle	Ø8
- 93 - 94 -	- - 658450 - 761239 -	Bolt Bolt	Bolzen Boulon	M8 x 30 mm
- 95 - 96 -	- - 23000003 - 33000126 -	Kædehjul Chain wheel	Kettenrad Pignon	5/4" x 1/2"
- 97 - 98 -	- - 35000227 -	Afstandsring Distance ring	Abstandring Entretoise	Ø71/50.5 x 12mm
- 99 - 100 -	- - 761017 - 763872 -	Passring Ring	Passring Entretoise	Ø50 mm
- 101 - 102 -	- - 761017 - 763872 -	Bolt Bolt	Bolzen Boulon	M10 x 80 mm
- 103 -	- 761017 -	Møtrik Nut	Mutter Ecrou	M10
- 104 -	- 761017 -	Planskive Washer	Scheibe Rondelle	Ø10
- 105 -	- 842030 -	Stålejhhus Bearing	Lager Roulement	Ø 30 mm kpl.
- 106 -	- 842031 -	Kugleleje Ball bearing	Lager Roulement	Ø 30 mm
- 107 -	- 843050 -	Stålejhhus Bearing	Lager Roulement	Ø50 mm kpl.
- 108 -	- - -	- -	- -	- -
- 109 -	- 35000227 -	Gevindplade Threaplate	Gewindplatte Filet de platè	M16
- 110 -	- - -	Planskive Washer	Scheibe Rondelle	Ø10
- 111 -	- 761017 -	Møtrik Nut	Mutter Ecrou	M10
- 112 -	- - 763872 -	Bolt Bolt	Bolzen Boulon	M10 x 50 mm
- 113 -	- - -	Unbracoskrue Allen screw	Reitsstockschrabe Vis sans tete hc, tronconique	M6 x 10 mm
- 114 -	- 33000102 -	Kædehjul Chain wheel	Kettenrad Pignon	1" x 17.2 x 32Z Udb.Ø50
- 115 -	- 18000651 -	Kæde Chain	Kette Chaîne	1" - 72 ruller 8-10-12TT PTO



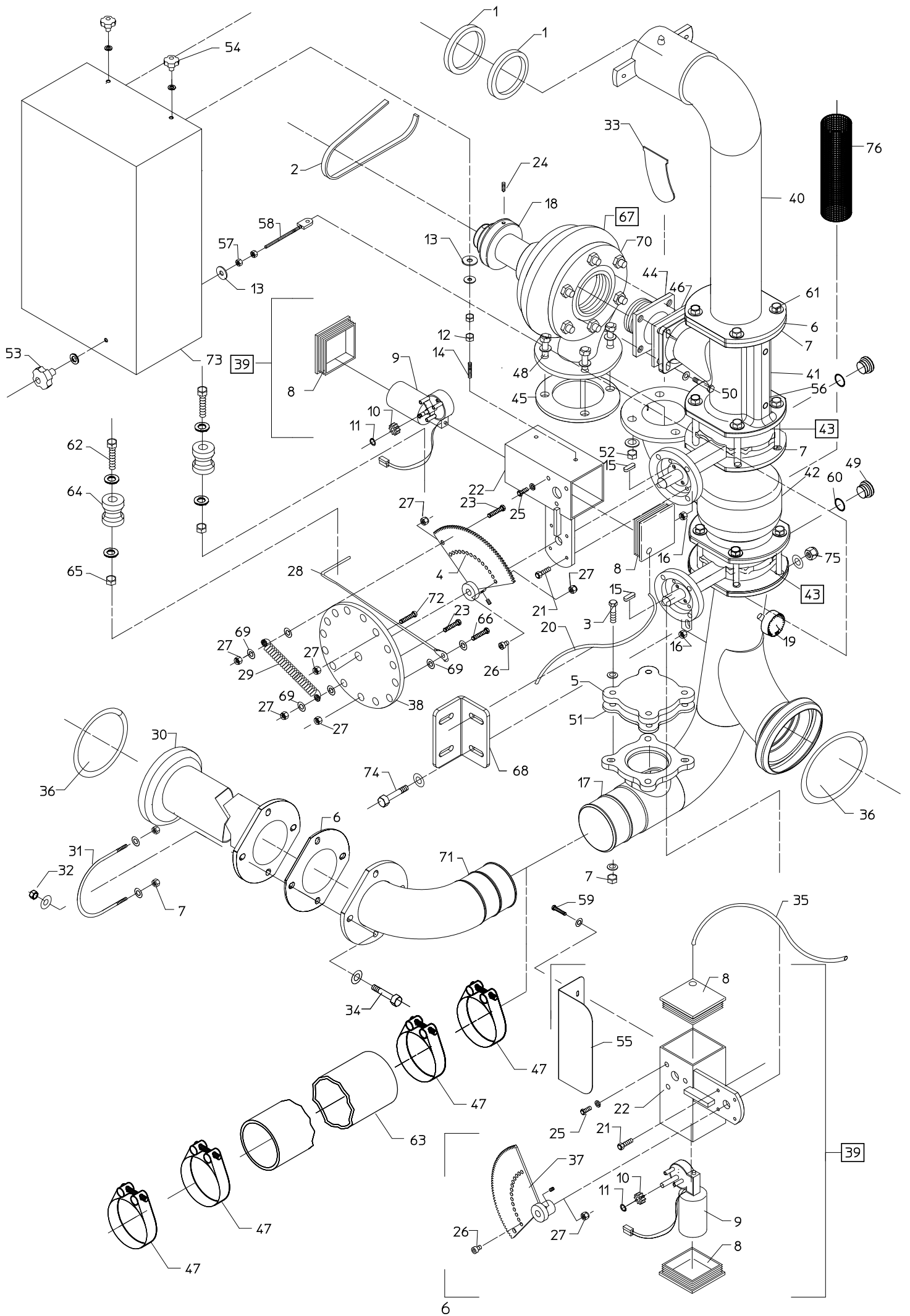
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
<b>STOP FOR OVERTRYK/ ARRÊT SURPRESSION</b>				
1	630100	U-tætning	U- Dichtung	Ø120/100 x 10 mm
-		U- tightening	U- joint	
2	800042	Rem	Riemen	XPZ 1112
-		Belt	Courroie	
3	763870	Bolt	Bolzen	M10 x 45 mm
-		Bolt	Boulon	
4	13000048	Tandhjul	Zahnrad - groß	
-		Cogwheel - big	Engrenage - grand	
5	1007098	Dæksel	Deckel	
-		Cover	Couvercle	
6	631109	Flangepakning	Packung	Ø195/100 mm x 2 mm
-		Paper gasket	Joint papier	
7	763864	Låsemøtrik	Selbstsichernde Mutter	M10
-		Self-locking nut	Ecrou hfr	
8	1007175	Lukkeprop	Deckel	
-		Plug	Couvercle	
9	1007180	Motor	Elektromotor	12V
-		Engine	Moteur Electrique	
10	1007190	Tandhjul	Cogwheel - small	
-		Chain wheel	Pignon	
11	1007184	Klemring	Klammerring	U-7.0
-		Squeeze ring	Blessent bague	
12		Møtrik	Mutter	M6
-		Nut	Ecrou	
13		Skærmskive	Scheibe	Ø10
-		Washer	Rondelle	
14	096506029	Pinolskrue	Reitstockschrabe	M6 x 30 mm
-		Pointed screw	Vis sans tete HC, tronconique	
15	641525	Feder	Feder	5 x 5 x 25 mm
-		Parallel key	Clavette parallèle	
16	763863	Låsemøtrik	Selbstsichernde Mutter	M8
-		Self-locking nut	Ecrou hfr	
17	15000124	Nederste indgangsrør	Rohr	
-		Pipe	Tuyou	
18	20000015	Remskive for turbine	Riemenscheibe	3-spor Ø15
-		Pulley	Poulie	
19	949575	Manometer	Manometer	1/4" x 63 mm Bagud
-		Manometer	Manomètre	
20	1007567	Ledning Grå	Kabel grau	Reguleringsmotor 3.5 m
-		Cable Grey	Câble gris	
21	763430	Bolt	Bolzen	M8 x 30 mm
-		Bolt	Boulon	
22	1007170	Motorhus	Motorhaus	
-		Enginehousing	Logement moteur	
23	763735	Bolt	Bolzen	M8 x 40 mm
-		Bolt	Boulon	
24	-	Pinolskrue	Reitstockschrabe	M6
-		Pointed screw	Vis sans tete HC, tronconique	
25	763535	Bolt	Bolzen	M6 x 16 mm
-		Bolt	Boulon	
26	763680	Unbracobolt	Imbuschbolzen	M8 x 16 mm
-		Allen bolt	Vis à 6 pans creux à tête fraiséé	



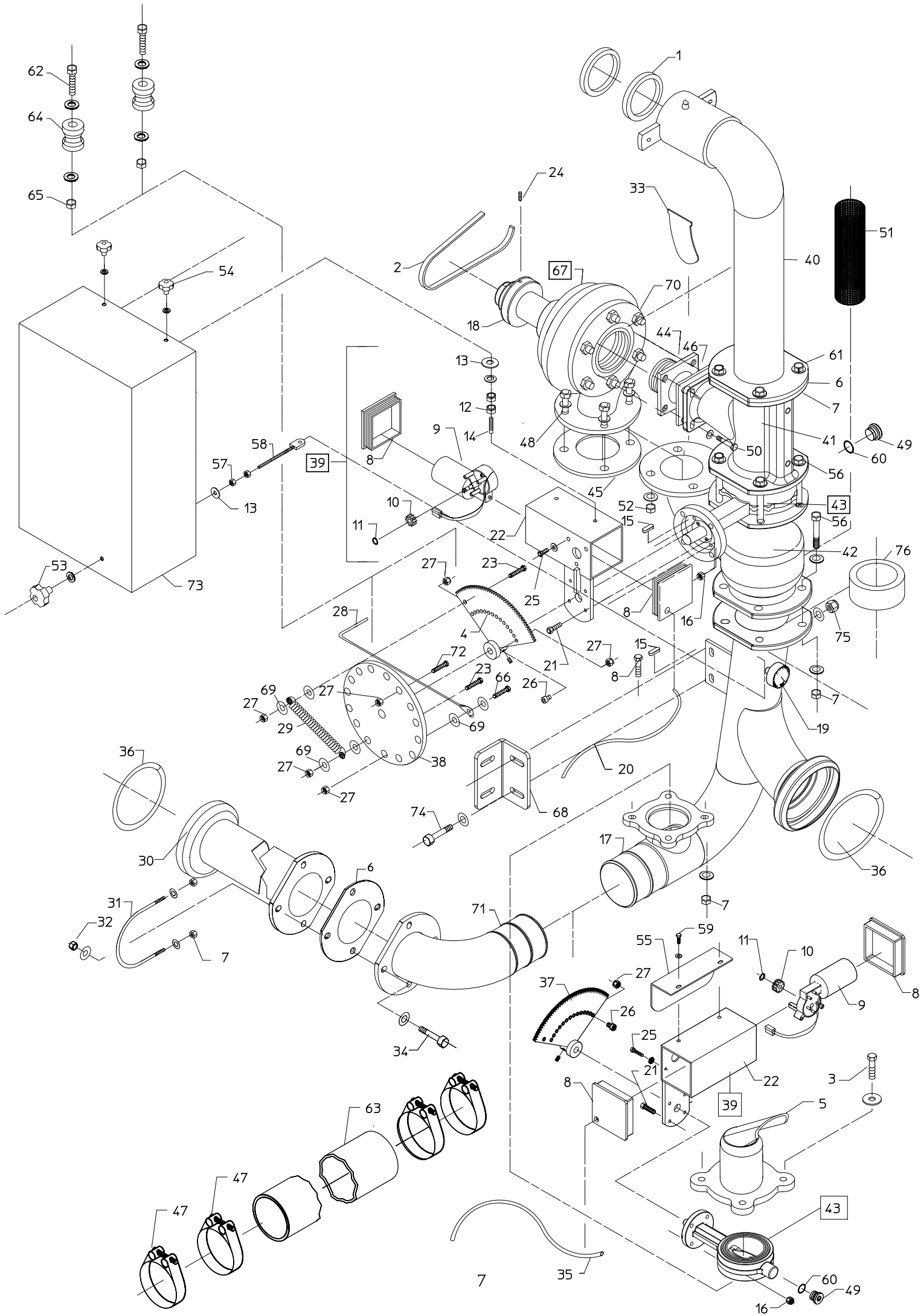
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
<b>STOP FOR OVERTRYK/ ARRÊT SURPRESSION</b>				
27 - 28 -	763752  26000661	Møtrik Nut Nødstopwire Emergency wire	Mutter Ecrou Notfallkabel Cable d'arret d'urgence	M8  Ø5 x 1650 mm
29 - 30 -	661318  40000620	Fjeder Spring Føderør Pipe	Feder Ressort Rohr Tuyou	Ø3.0/18 x 180 mm  8-10TT
30 - 31 -	15000060  40000635	Føderør Pipe U-Bøjle U-Bolt	Rohr Tuyou U-Bügel Boulon en U	12TT
32 - 33 -	763865  13000085	Låsemøtrik Self-locking nut Strålesamler for bundrør Waterjet collector	Selbstsichernde Mutter Ecrou hfr Wasserstrahl-Sammler Collecteur	M12  2 mm rustfrit stål
34 - 35 -	763700  1007565	Bolt Bolt Ledning Hvid Cable White	Bolzen Boulon Kabel weiss Câble blanc	M12 x 45 mm  Overtryksstop 5.5 m
36 - 37 -	14050043  1007195	O-ring O-ring Tandhjul Cogwheel - big	O-ring Joint torique Zahnrad - groß Engrenage - grand	HK 108
38 - 39 -	13000047  1007230	Bøsning m. Flanger Bush Motorventil, Komplet Valve complete	Buchse Bague Motorventil komplett Vanne motorisée complète	
40 - 40 -	15000125  15000126	Øverste indgangsbøjning Input bush Øverste indgangsbøjning Input bush	Eingangsbuchse Coude d`entree Eingangsbuchse Coude d`entree	8TT  10-12TT
41 - 42 -	33000227  33000226	Udgangsrør for turbine Pipe Bundrør for turbine Pipe	Rohr Tuyou Rohr Tuyou	
43 - 44 -	1007230  13000063	Butterflyventil, Kpl. Butterfly valve Flange m. gevind Threading plate	Schmetterlingsventil Vanne papillon Platte mit gewind Filet de platè	Ø80 mm  2" RG
45 - 46 -	522085  631955	Flangepakning Packing Firkantpakning Packing	Packung Joint Packung Joint	Ø120/60 mm
47 - 48 -	16200730  763735	Spændebånd Hose Clip Bolt Bolt	Schlauchschelle Clip Flexible Bolzen Boulon	Ø98-103 mm  M8 x 40 mm
49 - 50 -	1007260  763655	Dæksel Cover Bolt Bolt	Deckel Couvercle Bolzen Boulon	M8 x 25 mm



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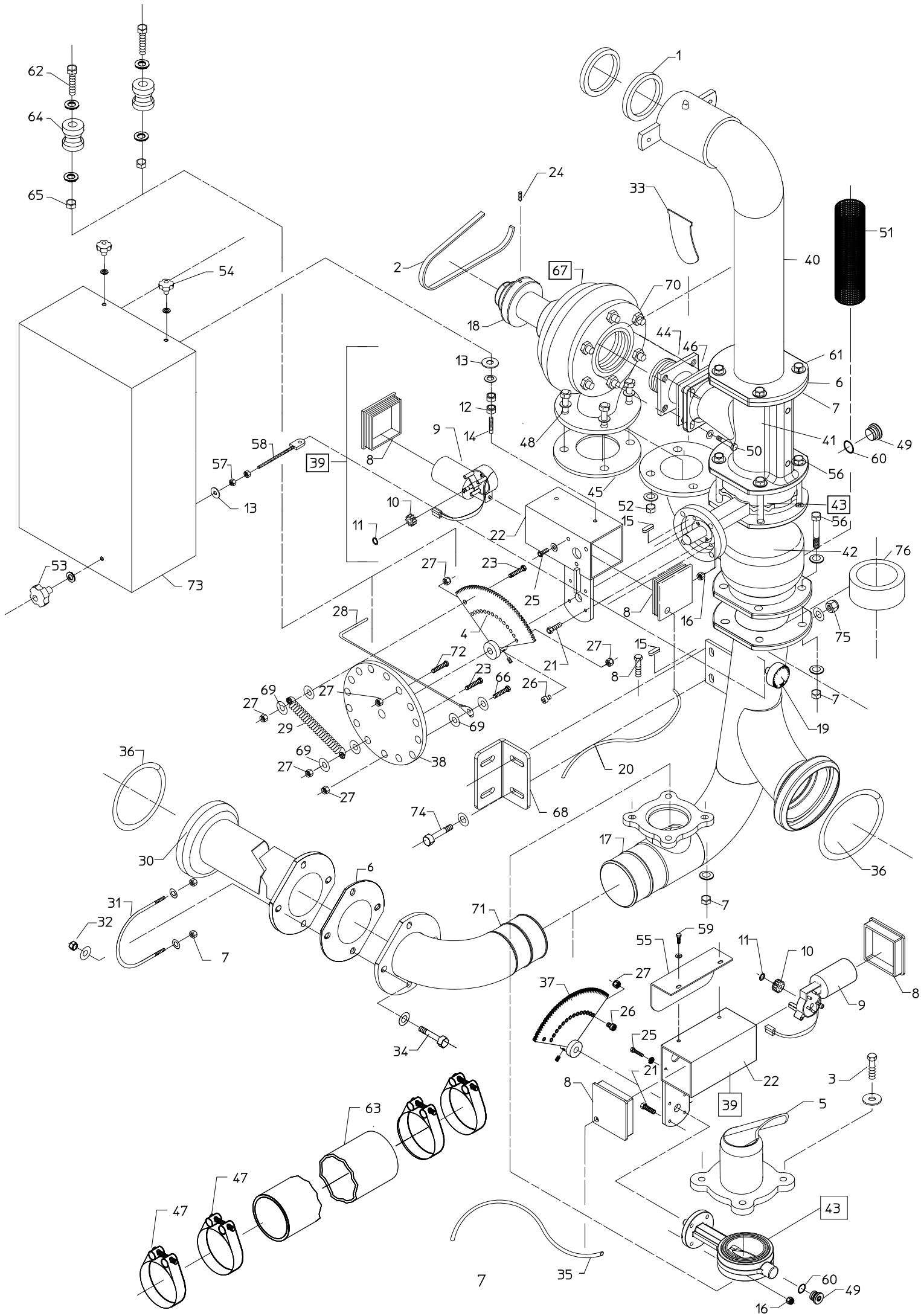
Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
<b>STOP FOR OVERTRYK/ ARRÊT SURPRESSION</b>				
51 - 52 -	631112  763752	Pakning Gasket Møtrik Nut	Packung Joint Mutter Ecrou	Ø180/85 mm x 2 mm  M8
53 - 54 -	681010  681106	Håndskrue Hand screw Håndskrue Hand screw	Handschraube Poignee vis Handschraube Poignee vis	M10  M6
55 - 56 -	1007185  763515	Skærm Shield Bolt Bolt	Abschirmung Carter Bolzen Boulon	  M10 x 85 mm
57 - 58 -	761017  15000066	Møtrik Nut Stang for skærm Bar for guard	Mutter Ecrou Stange für abschirmung Bâton pour carter	M10  180 mm
59 - 60 -	763525  1007255	Bolt Bolt O-ring O-ring	Bolzen Boulon O-ring Joint torique	M6 x 10 mm
61 - 62 -	763870  763735	Bolt Bolt Bolt Bolt	Bolzen Boulon Bolzen Boulon	M10 x 45 mm  M8 x 40 mm
63 - 64 -	-  761015-1	Slange Hose Wirerulle Wire reel	Schlauch Tuyau Stahldrahtrolle Poulie de cable	4" x 310 mm Blød slange  Ø45/8.5 x 15 mm
65 - 66 -	763863  763780	Låsemøtrik Self-locking nut Bolt Bolt	Selbstsichernde Mutter Ecrou hfr Bolzen Boulon	M8  M8 x 45 mm
67 - 68 -	195000V  40000631	Turbine, Venstre Turbine, Left Vinkelbeslag Fitting	Turbine, Links Turbine, Gauche Beschlag Fixation	20/50V Kpl.
69 - 70 -	  13000086	Skærmskive Washer Flange m. 4 x gevind Threaded flange	Scheibe Rondelle Gewindeflansch Bride filetée	Ø8  4 Gevindhuller (Aluminium)
71 - 72 -	15000123   	Flange Flange Linseskruer Screw	Flansch Bride Bolzen Boulon	  M8 x 30 mm
73 - 74 -	35000500  761116	Skærm Shield Bolt Bolt	Abschirmung Carter Bolzen Boulon	  M12 x 40 mm
75 - 76 -	761061  1005753	Møtrik Nut Filter Filter	Mutter Ecrou Filter Filtre	M12  Ø90 indiv. x 200 mm





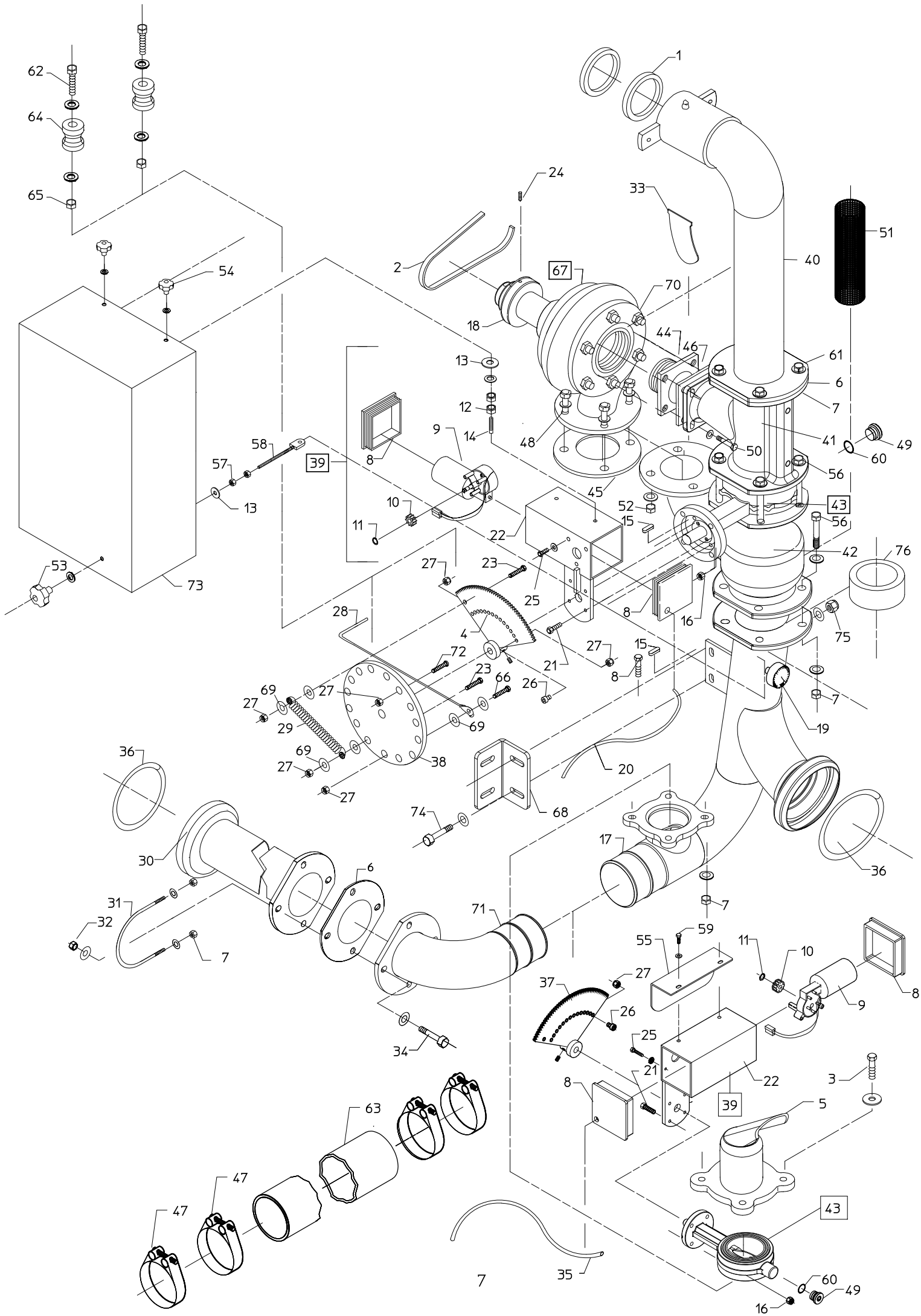
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
<b>STOP FOR LAVTRYK/ ARRÊT VANNE DE DÉCHARGE</b>				
1	630100	U-tætning	U- Dichtung	Ø120/100 x 10 mm
-		U- tightening	U- joint	
2	800042	Rem	Riemen	XPZ 1112
-		Belt	Courroie	
3	763870	Bolt	Bolzen	M10 x 45 mm
-		Bolt	Boulon	
4	13000048	Tandhjul	Zahnrad - groß	
-		Cogwheel - big	Engrenage - grand	
5	1007030	Spreder, lavtryk	Streuer	
-		Spreader, low pressure	Epandeur	
6	631109	Flangepakning	Packung	Ø195/100 mm x 2 mm
-		Paper gasket	Joint papier	
7	763864	Låsemøtrik	Selbstsichernde Mutter	M10
-		Self-locking nut	Ecrou hfr	
8	1007175	Lukkeprop	Deckel	
-		Plug	Couvercle	
9	1007180	Motor	Elektromotor	12V
-		Engine	Moteur Electrique	
10	1007190	Tandhjul	Cogwheel - small	
-		Chain wheel	Pignon	
11	1007184	Klemring	Klammerring	U-7.0
-		Squeeze ring	Blessent bague	
12		Møtrik	Mutter	M6
-		Nut	Ecrou	
13		Skærmskive	Scheibe	Ø10
-		Washer	Rondelle	
14	096506029	Pinolskrue	Reitstockschrabe	M6 x 30 mm
-		Pointed screw	Vis sans tete HC, tronconique	
15	641525	Feder	Feder	5 x 5 x 25 mm
-		Parallel key	Clavette parallèle	
16	763863	Låsemøtrik	Selbstsichernde Mutter	M8
-		Self-locking nut	Ecrou hfr	
17	15000124	Nederste indgangsrør	Rohr	
-		Pipe	Tuyou	
18	20000015	Remskive for turbine	Riemenscheibe	3-spor Ø15
-		Pulley	Poulie	
19	949575	Manometer	Manometer	1/4" x 63 mm
-		Manometer	Manomètre	
20	1007567	Ledning Grå	Kabel grau	Reguleringsmotor 3.5 m
-		Cable Grey	Câble gris	
21	763430	Bolt	Bolzen	M8 x 30 mm
-		Bolt	Boulon	
22	1007170	Motorhus	Motorhaus	
-		Enginehousing	Logement moteur	
23	763735	Bolt	Bolzen	M8 x 40 mm
-		Bolt	Boulon	
24	-	Pinolskrue	Reitstockschrabe	M6
-		Pointed screw	Vis sans tete HC, tronconique	
25	763535	Bolt	Bolzen	M6 x 16 mm
-		Bolt	Boulon	
26	763680	Unbracobolt	Imbuschbolzen	M8 x 16 mm
-		Allen bolt	Vis à 6 pans creux à tête fraiséé	



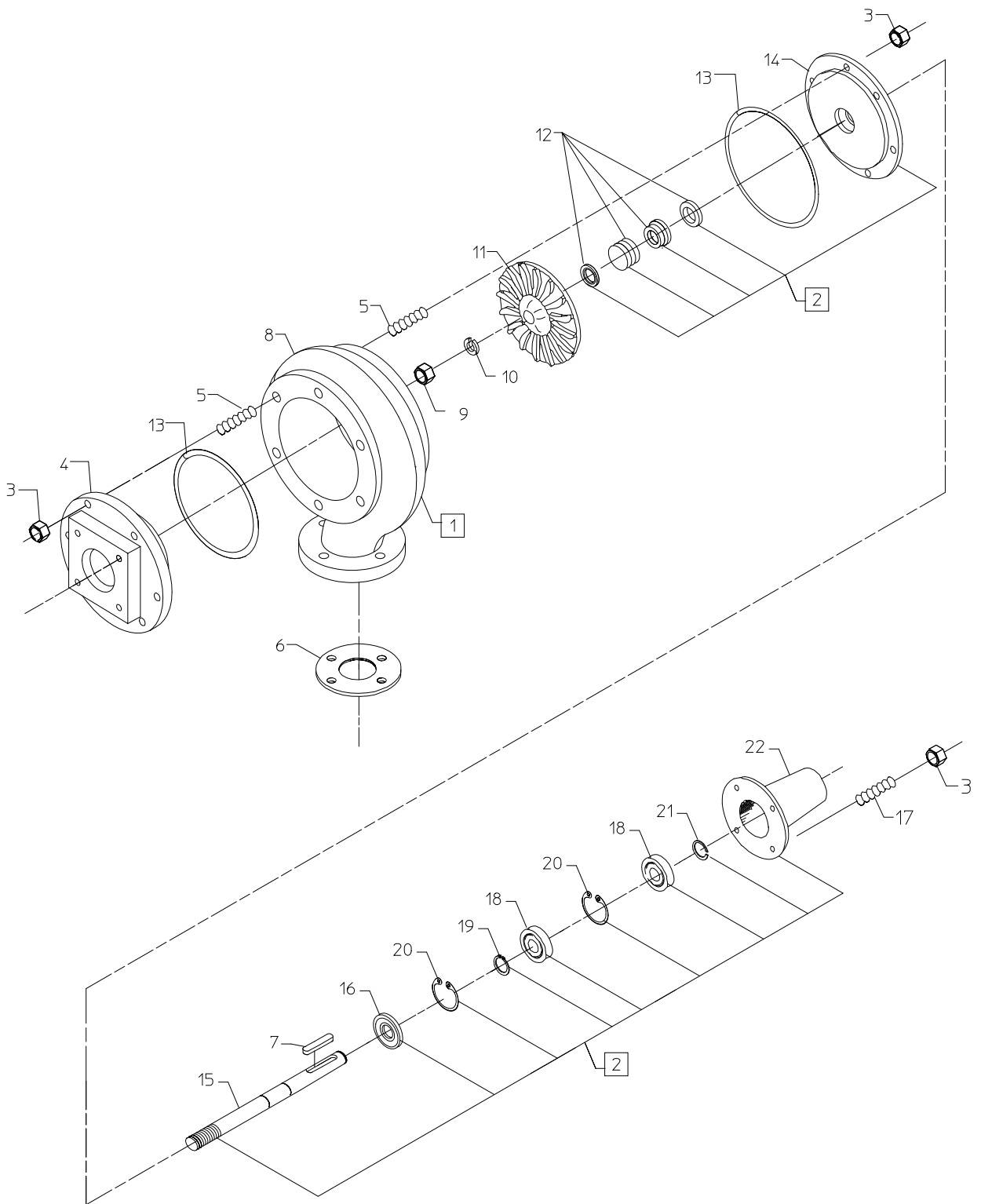
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
<b>STOP FOR LAVTRYK/ ARRÊT VANNE DE DÉCHARGE</b>				
27 - 28 -	763752 26000661	Møtrik Nut Nødstopwire Emergency wire	Mutter Ecrou Notfallkabel Cable d'arret d'urgence	M8 L = 1650 mm
29 - 30 -	661318 40000620	Fjeder Spring Føderør Pipe	Feder Ressort Rohr Tuyou	Ø3.0/18 x 180 mm 8-10TT
30 - 31 -	15000060 40000635	Føderør Pipe U-Bøjle U-Bolt	Rohr Tuyou U-Bügel Boulon en U	12TT
32 - 33 -	763865 13000085	Låsemøtrik Self-locking nut Strålesamler for bundrør Waterjet collector	Selbstsichernde Mutter Ecrou hfr Wasserstrahl-Sammler Collecteur	M12 2 mm rustfrit stål
34 - 35 -	763700 1007565	Bolt Bolt Ledning Hvid Cable White	Bolzen Boulon Kabel weiss Câble blanc	M12 x 45 mm Undertryksstop 5.5 m
36 - 37 -	14050043 1007195	O-ring O-ring Tandhjul Cogwheel - big	O-ring Joint torique Zahnrad - groß Engrenage - grand	HK 108
38 - 39 -	13000047 1007230	Bøsning m. Flanger Bush Motorventil, Komplet Valve complete	Buchse Bague Motorventil komplett Vanne motorisée complète	
40 - 40 -	15000125 15000126	Øverste indgangsbøjning Input bush Øverste indgangsbøjning Input bush	Eingangsbuchse Coude d`entree Eingangsbuchse Coude d`entree	8TT 10-12TT
41 - 42 -	33000227 33000226	Udgangsrør for turbine Pipe Bundrør for turbine Pipe	Rohr Tuyou Rohr Tuyou	
43 - 44 -	1007230 13000063	Butterflyventil, Kpl. Butterfly valve Flange m. gevind Threading plate	Schmetterlingsventil Vanne papillon Platte mit gewind Filet de platè	Ø80 mm 2" RG
45 - 46 -	522085 631955	Flangepakning Packing Firkantpakning Packing	Packung Joint Packung Joint	Ø120/60 mm
47 - 48 -	16200730 763735	Spændebånd Hose Clip Bolt Bolt	Schlauchschelle Clip Flexible Bolzen Boulon	Ø98-103 mm M8 x 40 mm
49 - 50 -	1007260 763655	Dæksel Cover Bolt Bolt	Deckel Couvercle Bolzen Boulon	M8 x 25 mm



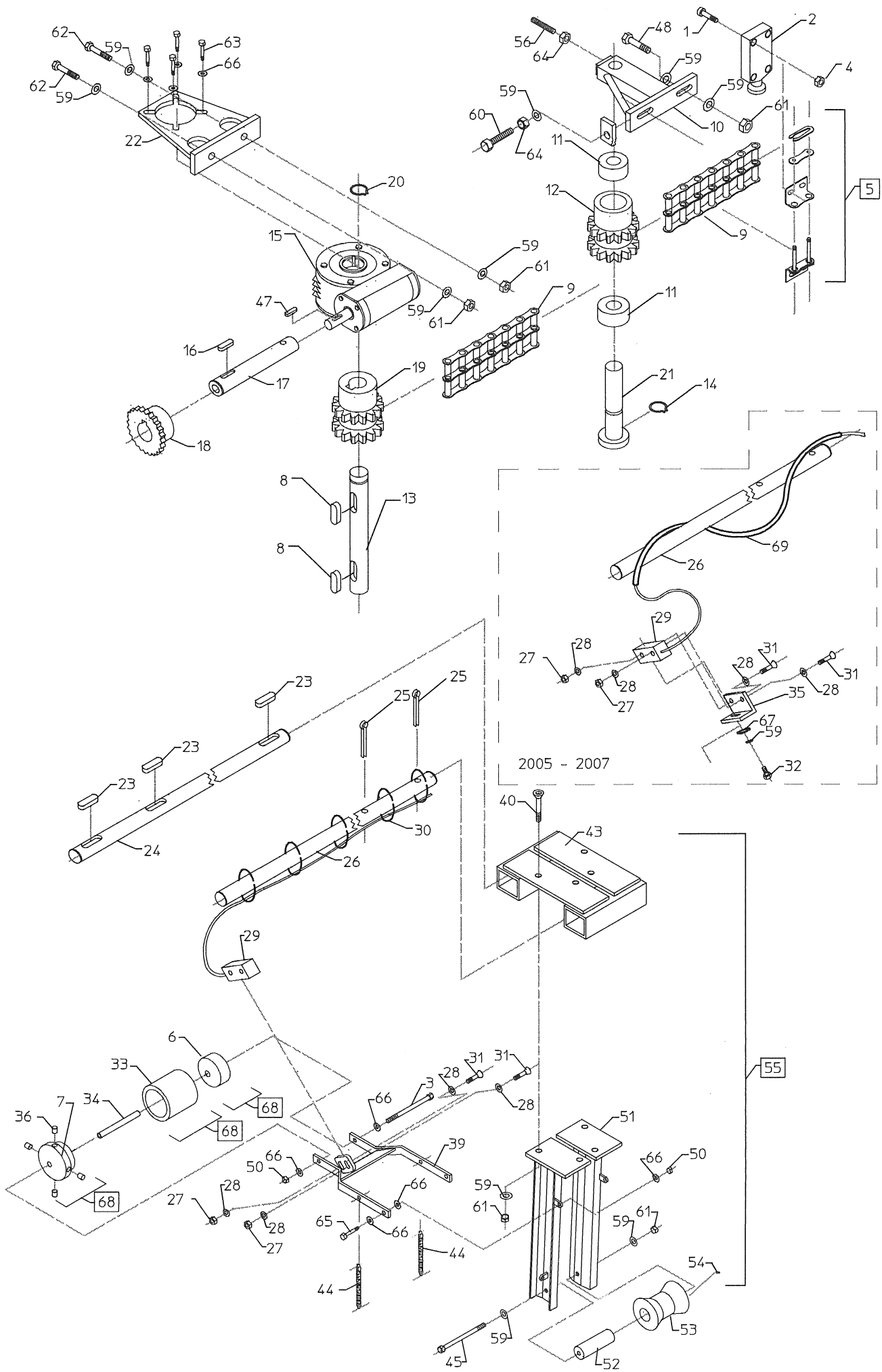
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
8-10-12TT á compter de la machine numéro 301**

Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
<b>STOP FOR LAVTRYK/ ARRÊT VANNE DE DÉCHARGE</b>				
51 - 52 -	1005753  763752	Filter Filter Møtrik Nut	Filter Filtre Mutter Ecrou	Ø90 indv. x 200 mm  M8
53 - 54 -	681010  681106	Håndskrue Hand screw Håndskrue Hand screw	Handschrabe Poignee vis Handschrabe Poignee vis	M10  M6
55 - 56 -	1007185  763515	Skærm Shield Bolt Bolt	Abschirmung Carter Bolzen Boulon	  M10 x 85 mm
57 - 58 -	761017  1500066	Møtrik Nut Stang for skærm Bar for guard	Mutter Ecrou Stange für abschirmung Bâton pour carter	M10  180 mm
59 - 60 -	763525  1007255	Bolt Bolt O-ring O-ring	Bolzen Boulon O-ring Joint torique	M6 x 10 mm  
61 - 62 -	763870  763735	Bolt Bolt Bolt Bolt	Bolzen Boulon Bolzen Boulon	M10 x 45 mm  M8 x 40 mm
63 - 64 -	-  761015-1	Slange Hose Wirerulle Wire reel	Schlauch Tuyau Stahldrahtrolle Poulie de cable	4" x 310 mm Blød slange  Ø45/8.5 x 15 mm
65 - 66 -	763863  763780	Låsemøtrik Self-locking nut Bolt Bolt	Selbstsichernde Mutter Ecrou hfr Bolzen Boulon	M8  M8 x 45 mm
67 - 68 -	195000V  40000631	Turbine, Venstre Turbine, Left Vinkelbeslag Fitting	Turbine, Links Turbine, Gauche Beschlag Fixation	20/50V Kpl.  
69 - 70 -	  13000086	Skærmskive Washer Flange m. 4 x gevind Threaded flange	Scheibe Rondelle Gewindeflansch Bride filetée	Ø8  4 Gevindhuller (Aluminium)
71 - 72 -	15000123   	Flange Flange Linseskruer Screw	Flansch Bride Bolzen Boulon	  M8 x 30 mm
73 - 74 -	35000500  761116	Skærm Shield Bolt Bolt	Abschirmung Carter Bolzen Boulon	  M12 x 40 mm
75 - 76 -	761061  60000672	Møtrik Nut Afstandsring Distance Ring	Mutter Ecrou Distanzring Bague de distance	M12  Ø132/116 x L = 45 mm



**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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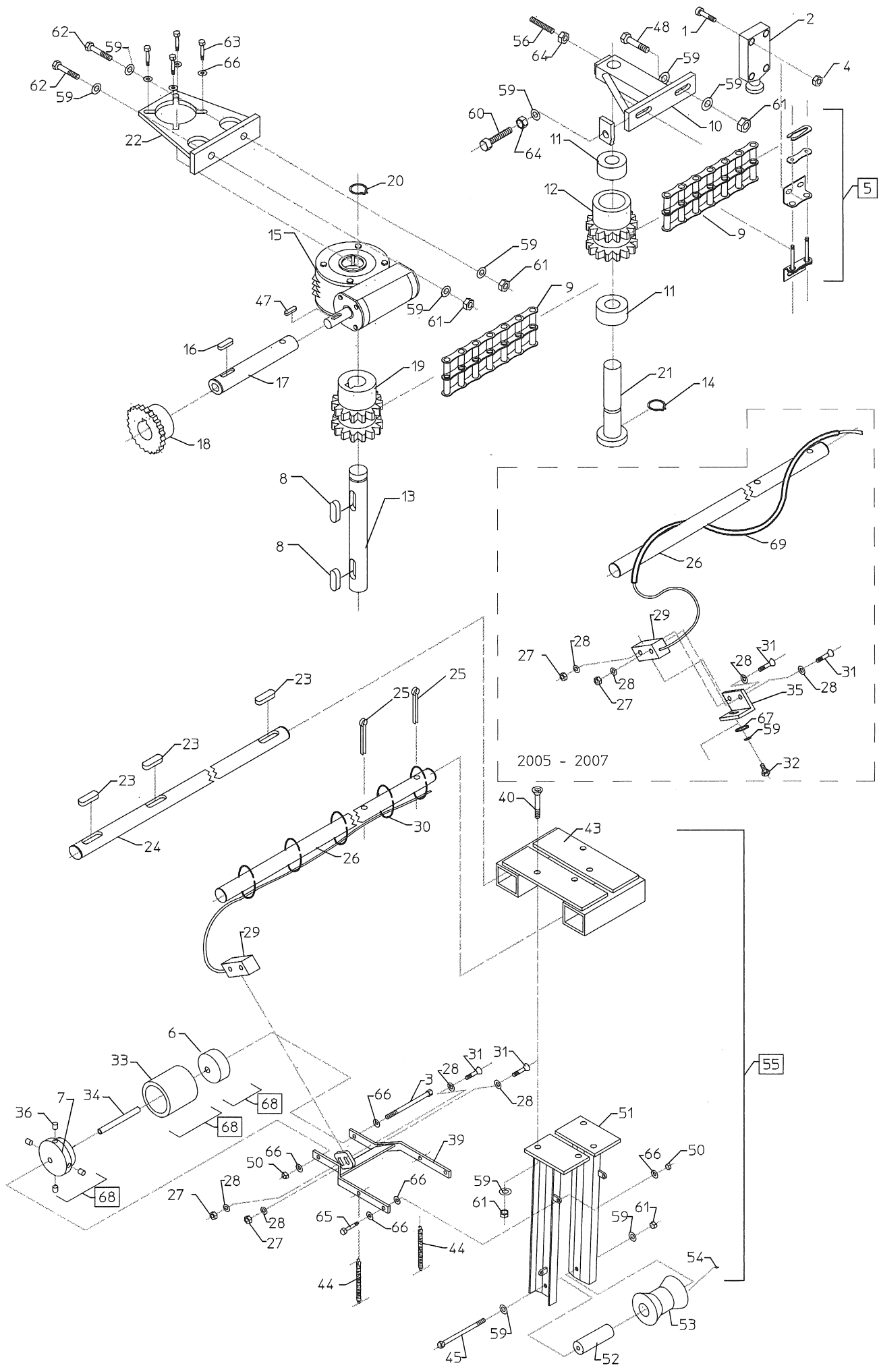
Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	195000VS 195500-2	Turbine, Komplet Turbine , Complete Omb. turbinedæksel Rechargeable turbine cap	Turbine, Komplet Turbine complète Kit Turbinedeckel Kit Turbine	20/50V
3 - 4 -	095906 13000086	Låsemøtrik Self-locking nut Flange m. 4 x gevind Threaded flange	Selbstsichernde Mutter Ecrou hfr Gewindeflansch Bride filetée	M6 rustfri 4 Gevindhuller (Aluminium)
5 - 6 -	096506029 522085	Pinolskrue Pointed Screw Pakning Gasket	Reitstockschraube Vis sans tete hc Packung Joint	M6 x 30 mm Ø120/60 mm
7 - 8 -	195255-1 195001	Feder Parallel key Turbinehus Turbinehousing	Feder Clavette parallèle Turbinengehäuse Corps de turbine	4 x 4 x 40 mm
9 - 10 -	096012 096112	Møtrik Nut Fjederskive Spring coller	Mutter Ecrou Federscheibe Rondelle grower	M12 rustfri Ø12 rustfri
11 - 12 -	195031 P195201	Skovlhjul, venstre Turbine Wheel, left Akseltætning Shaftshield	Turbinenrad , links Roue de turbine, á gauche Achsenabdichtung Kit étanchété	Ø14 mm
13 - 14 -	195211 195018	O-ring O-ring Pakdåsedæksel Turbine Cap	O-ring Joint torique Deckel Flasque turbine	Ø129.9 x 3.53 mm
15 - 16 -	195036-3 195051	Aksel Axle Tætningsring Packing Ring	Achse Arbre Abdichtung ring Rondelle	Ø17/47 x 7 mm
17 - 18 -	096506040 197220	Pinolskrue Pointed Screw Leje Bearing	Reitstockschraube Vis sans tete hc Lager Roulement	M6 x 40 mm
19 - 20 -	700017 701047	Låsering udvendig Locking ring ext. Låsering indvendig Locking ring int.	Sicherungsring äusserer Circlip ext. Sicherungsring inw Circlip int.	Udv. Ø17 mm rustfri Indv. Ø47 mm
21 - 22 -	517717 195014	Klemring Snap Ring Lejehus Bearing Housing	Bolzen Circlip Lagergehäuse Support roulement	Udv. Ø17 mm





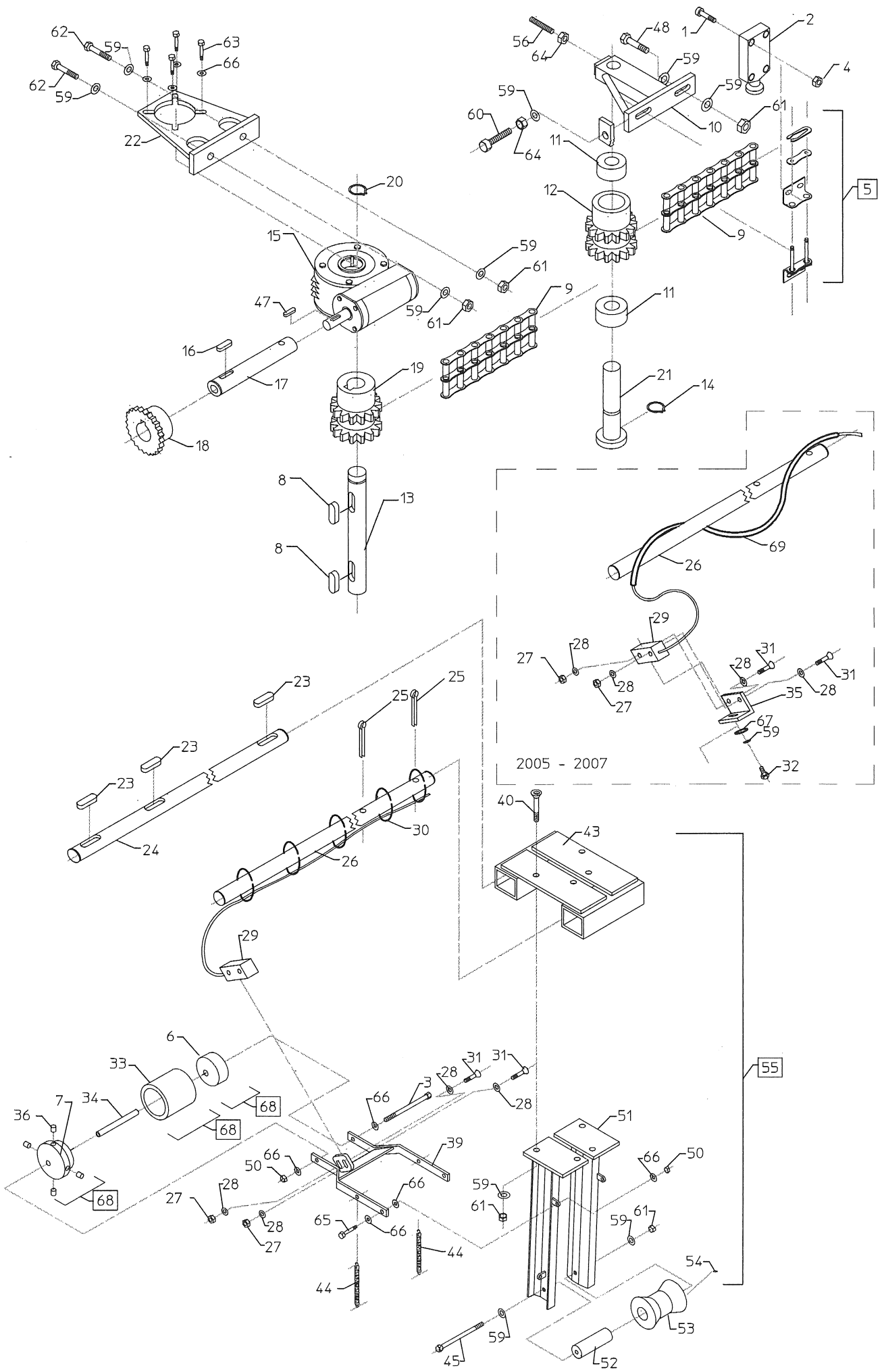
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævneelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	- 31000920	Unbrakobolt m. cylinderhoved Allen bolt Medbringertap Driving Stud	Boltzen Vis à 6 pans creux à tête fraiséé Haspe Patte	M6 x 30 mm
3 - 4 -	763543 763545	Bolt for målerulle Bolt Låsemøtrik Self-locking nut	Bolzen Boulon Selbstsichernde Mutter Ecrou hfr	M8 x 150 mm M6
5 - 6 -	790561 34000037	Lappeled Straight Driving Link Prop for målerulle Ploug for measuringroller	Verbindungsstück Maillon Korken für messrolle Couvercle pour galet de mesure	Ø70 x 30 mm
7 - 8 -	34000062 - 641740	Magnetprop Magnet plug Feder Parallel key	Magnetabdeckstopfen Aiment couvercle Feder Clavette parallele	8 x 7 x 40 mm
9 - 9 -	31000971 31000973	Duplex kæde Duplex Roller Chain Duplex kæde Duplex Roller Chain	Duplex ketten Duplex Chaîne Duplex ketten Duplex Chaîne	3/4" x 150 ruller 8-10TT Ø100 Slange 3/4" x 144 ruller 8-10TT Ø110 Slange
9 - 9 -	31000975 31000980	Duplex kæde Duplex Roller Chain Duplex kæde Duplex Roller Chain	Duplex ketten Duplex Chaîne Duplex ketten Duplex Chaîne	3/4" x 162 ruller 11-12TT Ø110 Slange 3/4" x 156 ruller 11-12TT Ø125 Slange
10 - 11 -	31000610 845030	Vendekonsol Turning bracket Leje Bearing	Platte Patte Lager Palier	Ø30 mm
12 - 13 -	31000974 34000088	Kædehjul, Dublex Chaîne wheel Gearaksel Gearaxel	Kettenrad Pignon de chaîne Getriebeachse Arbre de réducteur	3/4" x 7/16" - 15Z
14 - 15 -	700030 821071	Låsering udvendig Locking ring ext. Snekkegear Worm gear	Sicherungsring äusserer Circlip ext. Schneckengetriebe Engrenage à vis sans fin	Udv. Ø30 mm
16 - 17 -	641725 34000132	Feder Parallel key Indgangsaksel , Snekkegear Input axel	Feder Clavette parallele Eingangsachse Coude d'entree d'arbre	6 x 7 x 25 mm. Ø30 mm x 145 mm
18 - 18 -	791136 791125	Kædehjul Sprocket Wheel Kædehjul Sprocket Wheel	Kettenrad Pignon Kettenrad Pignon	Ø90 mm slange , 1/2" x 5/16 - 37Z Ø100 mm slange, 1/2" x 5/16 - 34Z
18 - 18 -	791107 791107	Kædehjul Sprocket Wheel Kædehjul Sprocket Wheel	Kettenrad Pignon Kettenrad Pignon	Ø110 mm slange, 1/2" x 5/16 - 31Z Ø125 mm slange , 1/2" x 5/16 - 31Z
19 - 20 -	31000972 703025	Kædehjul, dublex Sprocket Wheel, dublex Låsering udvendig Locking ring ext.	Kettenrad, dublex Pignon, dublex Sicherungsring äusserer Circlip ext.	3/4" x 7/16" - 15Z Ø25 mm



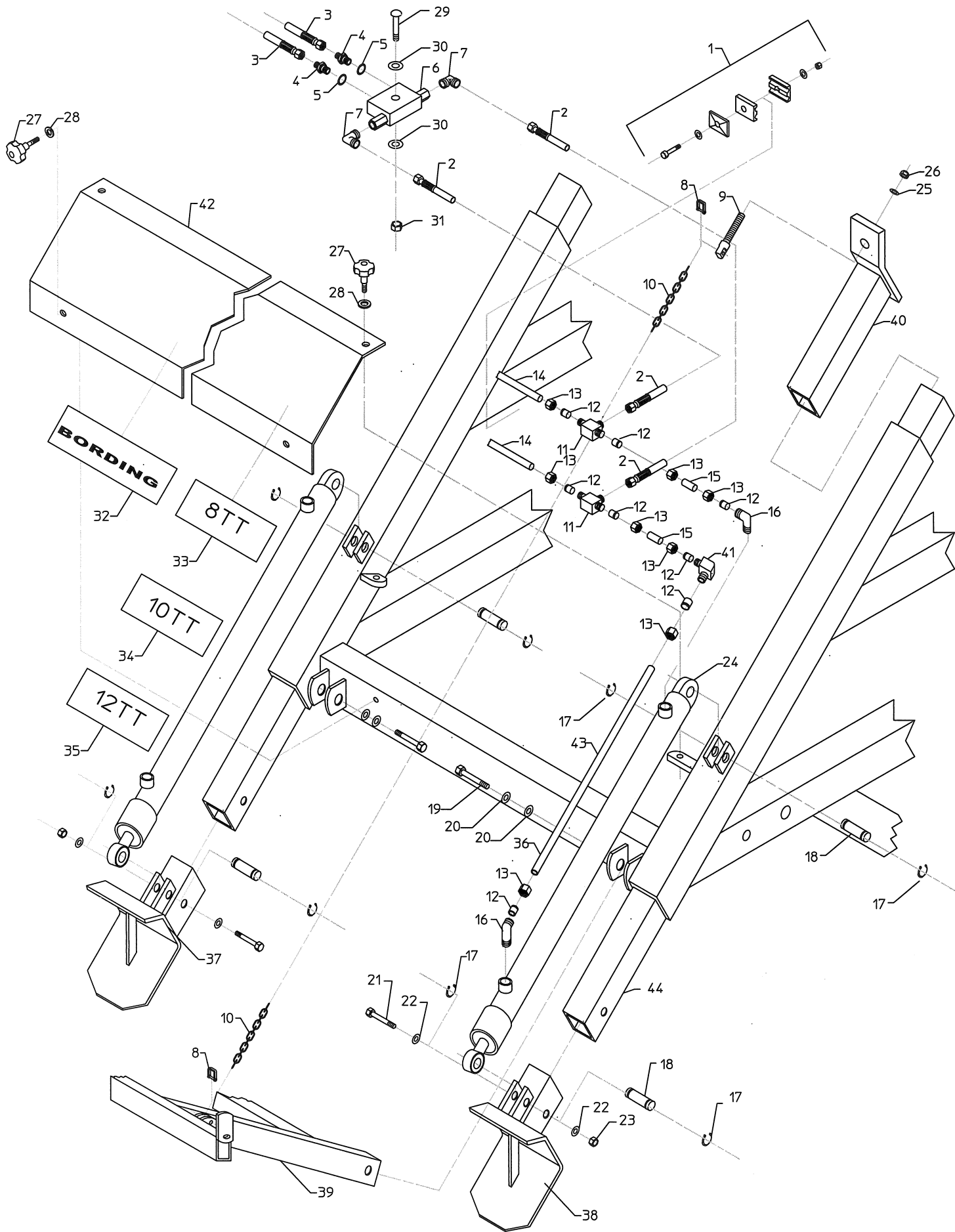
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
21 - 22 -	31000630 34000085	Vendekonsolaksel Change plate for axel Fod for snekkegear Feet for gear	Wendenkonsol für Achse Tourner pour arbre Fuss für Getriebe Pieds pour reducteur	Ø30
23 - 24 -	641735 26000626	Feder Parallel key Slædeaksel Sledgeaxel	Feder Clavette paraellele Schlitenasche Traîneau de arbre	8 x 7 x 35 mm 8-10TT L = 1960 mm
24 - 25 -	34000045 -	Slædeaksel Sledgeaxel Split Cotter pin	Schlittenasche Traîneau de arbre Splint Goupille fendue	12TT L = 2110 mm
26 - 26 -	31000651 34000046	Slædeaksel Sledgeaxel Slædeaksel Sledgeaxel	Schlittenachse Traîneau de arbre Schlittenachse Traîneau de arbre	8-10TT L = 1900 mm 12TT L = 2050 mm
27 - 28 -	- -	Låsemøtrik Self-locking nut Planskive Washer	Selbstsichernde Mutter Ecrou hfr Scheibe Rondelle	M5 Ø5
29 - 30 -	1007561 35000176	Hastighedsføler m. alm. kabel Sensor Ring for kabel Ring for cabel	Sensor Capteur Ring für kabel Bague pour cable	
31 - 32 -	- -	Bolt Bolt Bolt Bolt	Bolzen Boulon Bolzen Boulon	M5 x 35 mm M10 x 16 mm
33 - 34 -	24000004 34000065	Rør for målerulle Pipe for measuring roller Målerullebøsning Bushing for measuring roller	Rohr für Messroller Tuyou pour Galet de mesure Buchse für Messrolle Bague pour Galet de mesure	
35 - 36 -	14000056 1007570	Vinkelbeslag for føler Fitting Magnet Magnet	Beschläge Fixation Magnet Aimant	Ø10 x 10 mm
37 - 38 -	- -	- -		
39 - 40 -	14000033 -	Beslag for målerulle Fitting for measuring roller Unbrakobolt, undersænket Allen bolt, countersink	Beschläge für Messroller Fixtion pour galet de mesure Bolzen Boulon	M10 x 40 mm -
41 - 42 -	- -	- -		
43 - 44 -	14000037 661213	Slæde for slangestyr Fjedre for hoseguide Fjeder Spring	Schlitten für Schlauchleitstange Traîneau pour trancannage Feder Ressort	Ø2,0 x 18 x 140 mm
45 - 46 -	763684 -	Bolt Bolt -	Bolzen Boulon	M10 x 180 mm



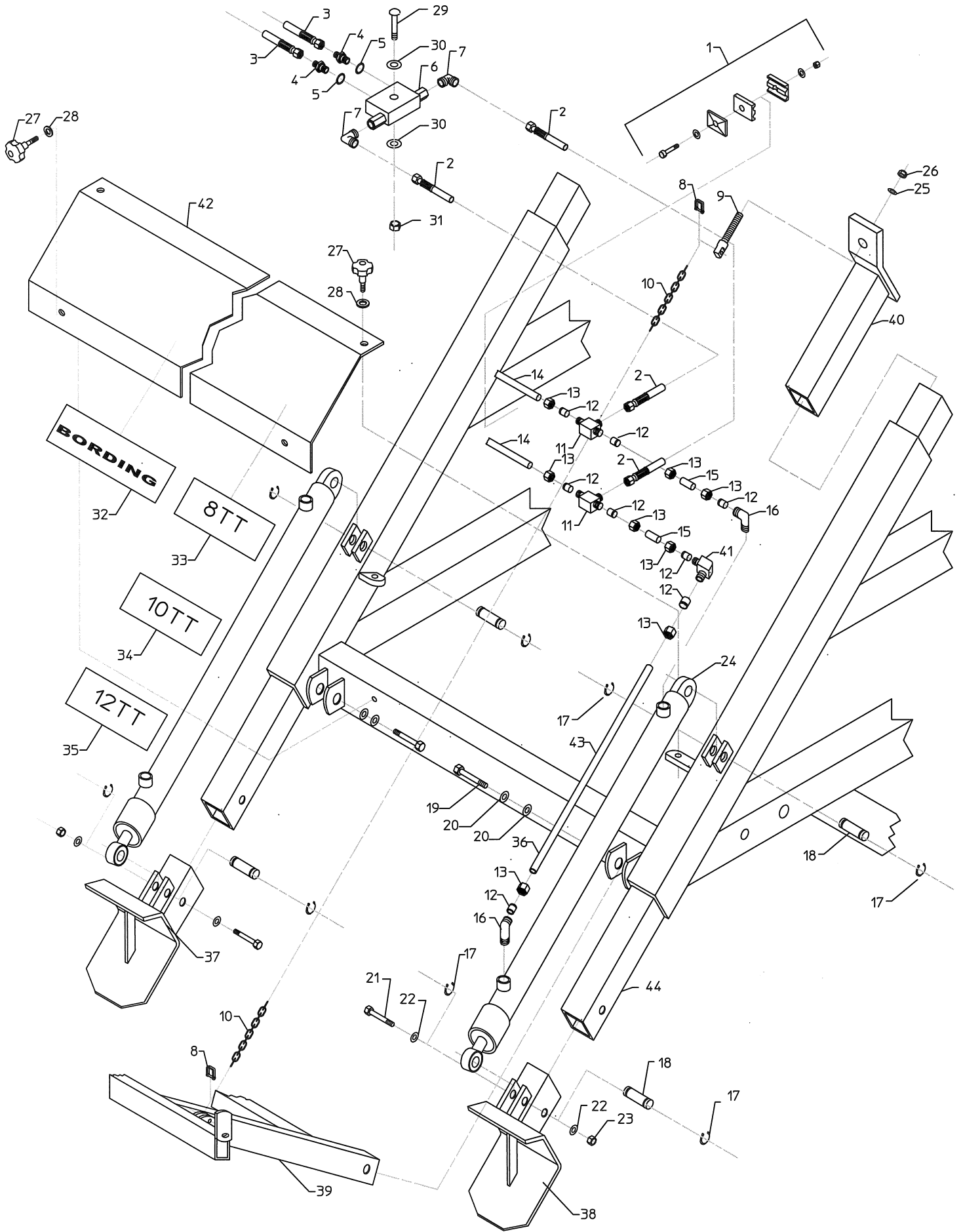
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
47 - 48 -	641635 763860	Feder Parallel key Bolt Bolt	Feder Clavette paraellele Bolzen Boulon	6 x 6 x 35 mm M10 x 45 mm
49 -	-	-	-	-
50 -	763863	Låsemøtrik Self-locking nut	Selbstsichernde Mutter Ecrou hfr	M8
51 - 52 -	14000038 34000047	Slangestyr Hose guide Bøsning Bushing	Schlauchleitstange Trancannage Buchse Bague	Ø25 x 4 x 140 mm
53 - 54 -	34000055 761286	Bærerulle Supporting roller Smørenippel Lubricating nipple	Trag rolle Galet support Schmiernippel Graisseur	Ø110 x 135 mm M6
55 - 56 -	14000026	Slangestyr, komplet Hose guide complet Pinolskrue Pointed screw	Schlauchleitstange, komplett Trancannage complet Reitstockschrabe Vis sans tête	M10 x 40 mm
57 - 58 -	-	-	-	-
59 - 60 -	-	Planskive Washer Sætbolt Bolt	Scheibe Rondelle Bolzen Boulon	Ø10 M10 x 45 mm
61 - 62 -	763864 761097	Låsemøtrik Self-locking nut Bolt Bolt	Selbstsichernde Mutter Ecrou hfr Bolzen Boulon	M10 M10 x 30 mm
63 - 64 -	895605 761017	Bolt Bolt Møtrik Nut	Bolzen Boulon Mutter Ecrou	M8 x 20 mm M10
65 - 66 -	763430	Bolt Bolt Planskive Washer	Bolzen Boulon Scheibe Rondelle	M8 x 30 mm Ø8
67 - 68 -	- 14000017	Skærmskive Washer Målerulle kompl. Best One Measuring roller Best One compl.	Scheibe Rondelle	Ø10
69 - 70 -	521807 34000151	Slange for følerkabel Hose for sensor Indgangsaksel , Snekegear Input axel	Schlauch für sensor Tuyau pour capteur Eingangssachse Coude d'entree d'arbre	Ø30 x 125 mm



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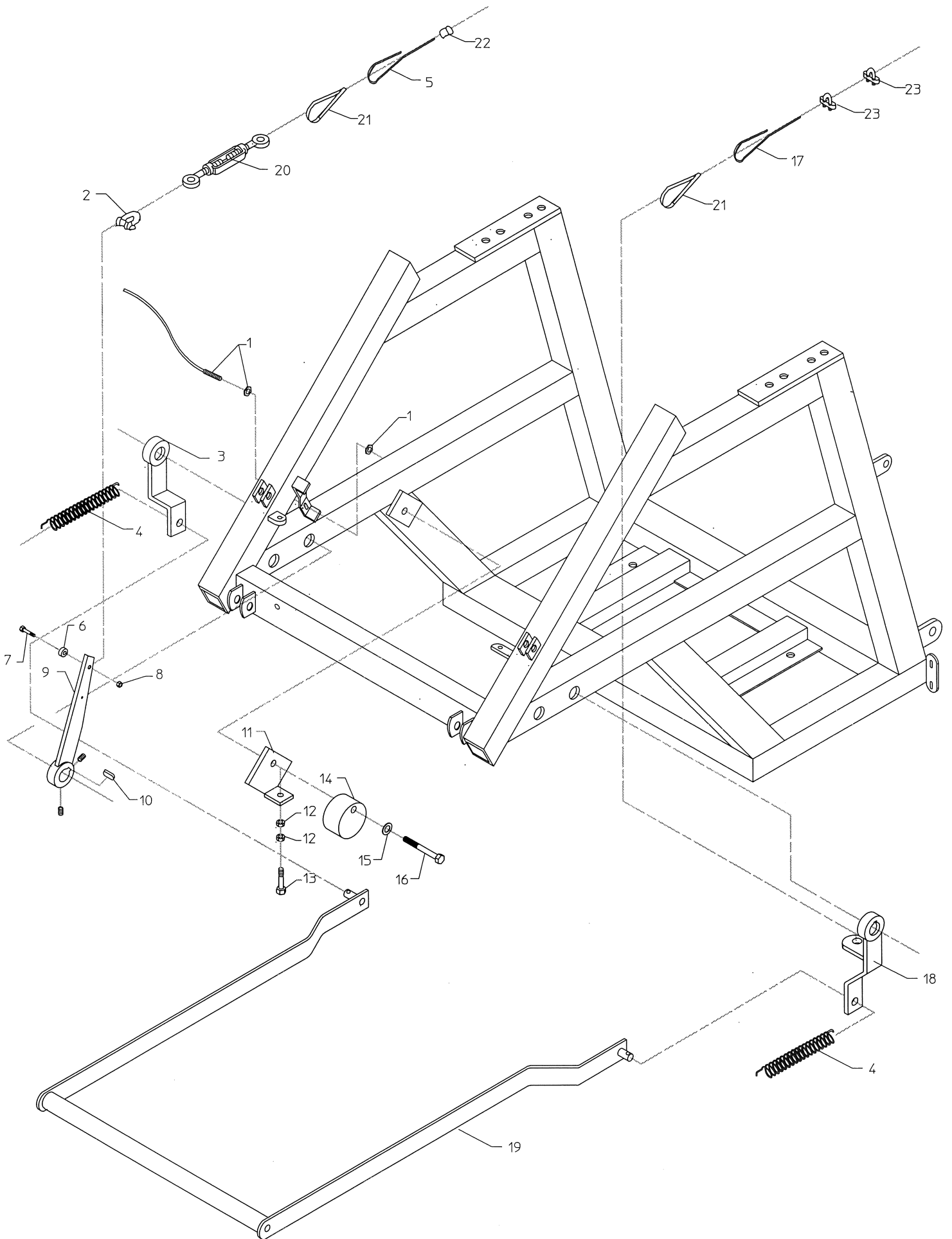
Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	552033 556011	Rørholder kpl. Hoseholder, complete Hydraulikslange Hydraulic hose	Rohr halter Fixation flexible Hydraulischer schlauch Flexible hydraulique	Ø10 x 2 3/8" x 1900 mm
3 - 4 -	556006 1007724	Hydraulikslange Hydraulic hose Brystnippel Hexagon nipple	Hydraulischer schlauch Flexible hydraulique Bundnippel Raccord droit	3/8" x 3500 mm 3/8" x Ø12
5 - 6 -	552025 551009	Tætningsring Bonded seals Kontraventil Non-return valve	Dichtungsring Rondelle d'étanchéité Rückschlagklappe Clapet de retenue	3/8" 3/8"
7 - 8 -	552036 643210	Vinkel Angel Sjækel Shackle	Winkel Raccord Schäkel Manille	3/8" x Ø10 mm Ø10
9 - 10 -	40000870 35000140	Strammespindel Tightenbolt Kæde Roller chain	Spannungspindel Boulon serrer Ketten Chaîne	Ø16 x 160 Ø7 x L = 2900 mm
11 - 12 -	552034 552038	T-rørforskruing Tee Skærering Fittings	T-Stahl Raccord "T" Ring Fixtion	Ø10 x Ø10 x Ø10 mm Ø10 mm
13 - 14 -	552023 35000268	Omløber Union nut Tværgående hydraulikrør Pipe	Anschlussmutter Écrou de raccord d'entrée Rohr hydraulik Tyuau de hydraulic	Ø10 mm rør 8-10TT: Ø10 x L = 1685 mm
14 - 15 -	35000269 35000267	Tværgående hydraulikrør Pipe Kort hydraulikrør cylinder Pipe	Rohr Tyuau de hydraulic Rohr Circlip ext.	12TT: Ø10 x L = 1848 mm Ø10 x 50 mm
16 - 17 -	552036 700030	Vinkel Angle Låsering udvendig Locking ring ext.	Winkel Raccord coude Sicherungsring ausserer Circlip ext.	Ø10 x 3/8" Ø30 mm
18 - 19 -	04000880 763826	Nagle Spike Bolt Bolt	Nagel Axe Bolzen Boulon	Ø30 x 70 mm M16 x 100 mm
20 - 21 -	763827	Planskive Face plate Bolt Bolt	Planscheibe Rondelle Bolzen Boulon	Ø16 M12 x 110 mm
22 - 23 -	763865	Planskive Face plate Låsemøtrik Self-locking nut	Planscheibe Rondelle Selbstsichernde Mutter Ecrou hfr	Ø12 M12
24 - 25 -	550000	Hydraulikcylinder Hydraulic cylinder Planskive Face plate	Hydraulische Zylinder Hyd. Cylindre Planscheibe Rondelle	Ø63/40 x 1000 Ø16





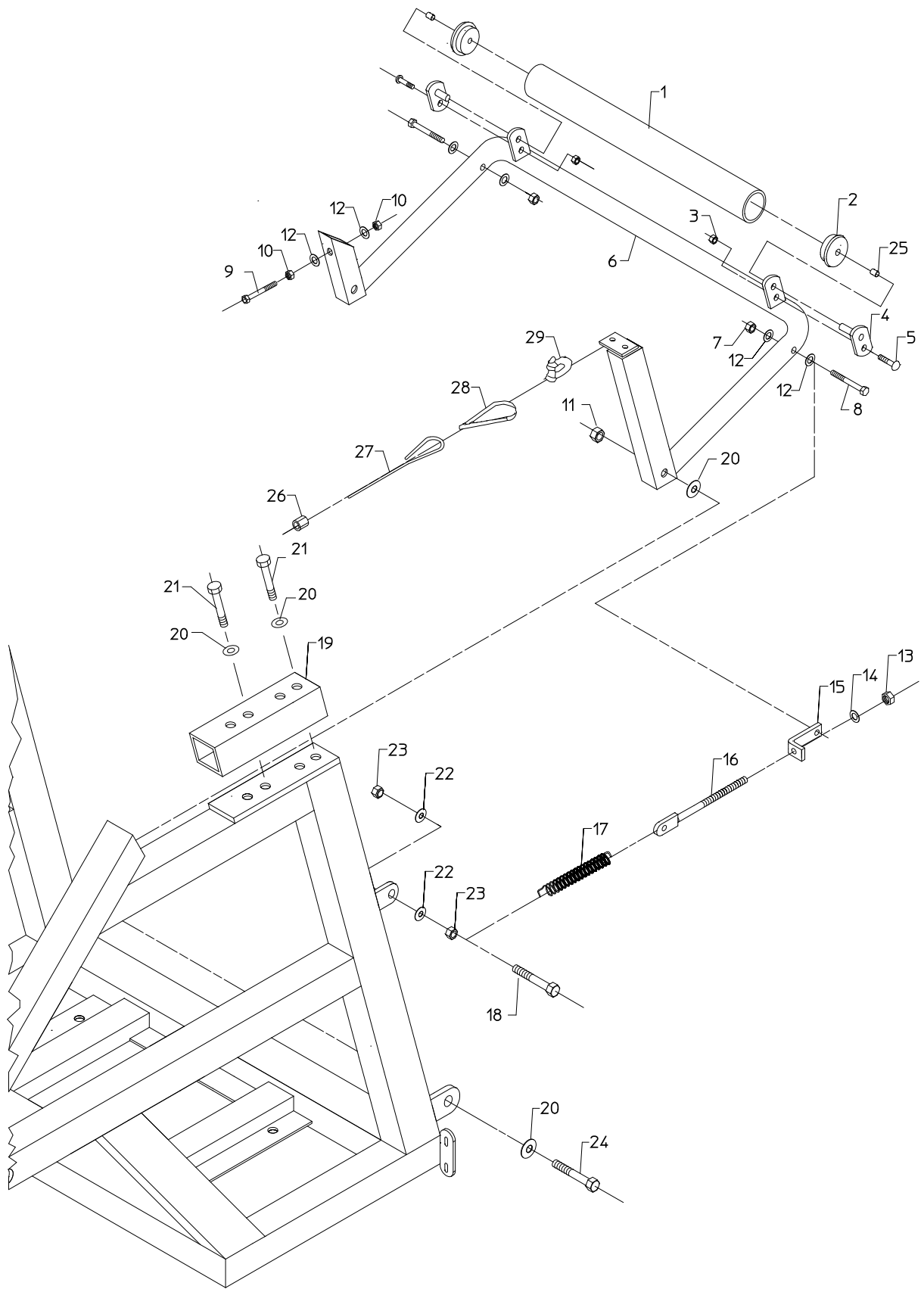
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
26 - 27 -	763750  681116	Låsemøtrik Self-locking nut Håndskrue Hand screw	Selbstsichernde Mutter Ecrou hfr Handschrube Poignee vis	M16  M6
28 - 29	  763828	Planskive Face plate Bræddebolt	Planscheibe Rondelle Flachrundschrube mit vierkantansatz Round head bolt	Ø6  M8 x 60 mm Boulon a tete ronde
30 - 31 -	  763863	Planskive Face plate Låsemøtrik Self-locking nut	Planscheibe Rondelle Selbstsichernde Mutter Ecrou hfr	Ø8  M8
32 - 33 -	990012  990077	Klæbemerke Label Klæbemerke Label	Klebmærke Autocollant Klebmærke Autocollant	BORDING  8TT
34 - 35 -	990079  990082	Klæbemerke Label Klæbemerke Label	Klebmærke Autocollant Klebmærke Autocollant	10TT  12TT
36 - 37 -	35000270  15000097	Langsg. hydraulikrør, cylinder Pipe Fod, venstre Base for supporting legs, left	Rohr hydraulik Tuyau de hydraulic Fuss links Pied gauche	Ø10 x 1000 mm Venstre
38 - 39 -	15000096  15000062	Fod, højre Base for supporting legs, right Lift Lift	Fuss rechts Pied droite Hebebühne Chariot	  8-10TT
39 - 40 -	15000059  40000665	Lift Lift Teleskop Teleskop	Hebebühne Chariot Teleskop Télèschope	12TT
41 - 42 -	552035  90000611	Vinkel Elbow Skærm for slangestyr Shield for hoseguide	Knie Coude Abschirmung für schlauchleitstange 8-10TT Carter pour trancannage	Ø10 x Ø10  L = 1700 mm
42 -	35000093	Skærm for slangestyr Shield for hoseguide	Abschirmung für schlauchleitstange Carter pour trancannage	12TT L = 1850 mm
43 - 44 -	35000342  15000105	Langsg. hydraulikrør, cylinder Pipe Lang støtteben Support Leg	Rohr hydraulik Tuyau de hydraulic Stützbein Jambe	Ø10 x 995 mm Højre  2600 MM



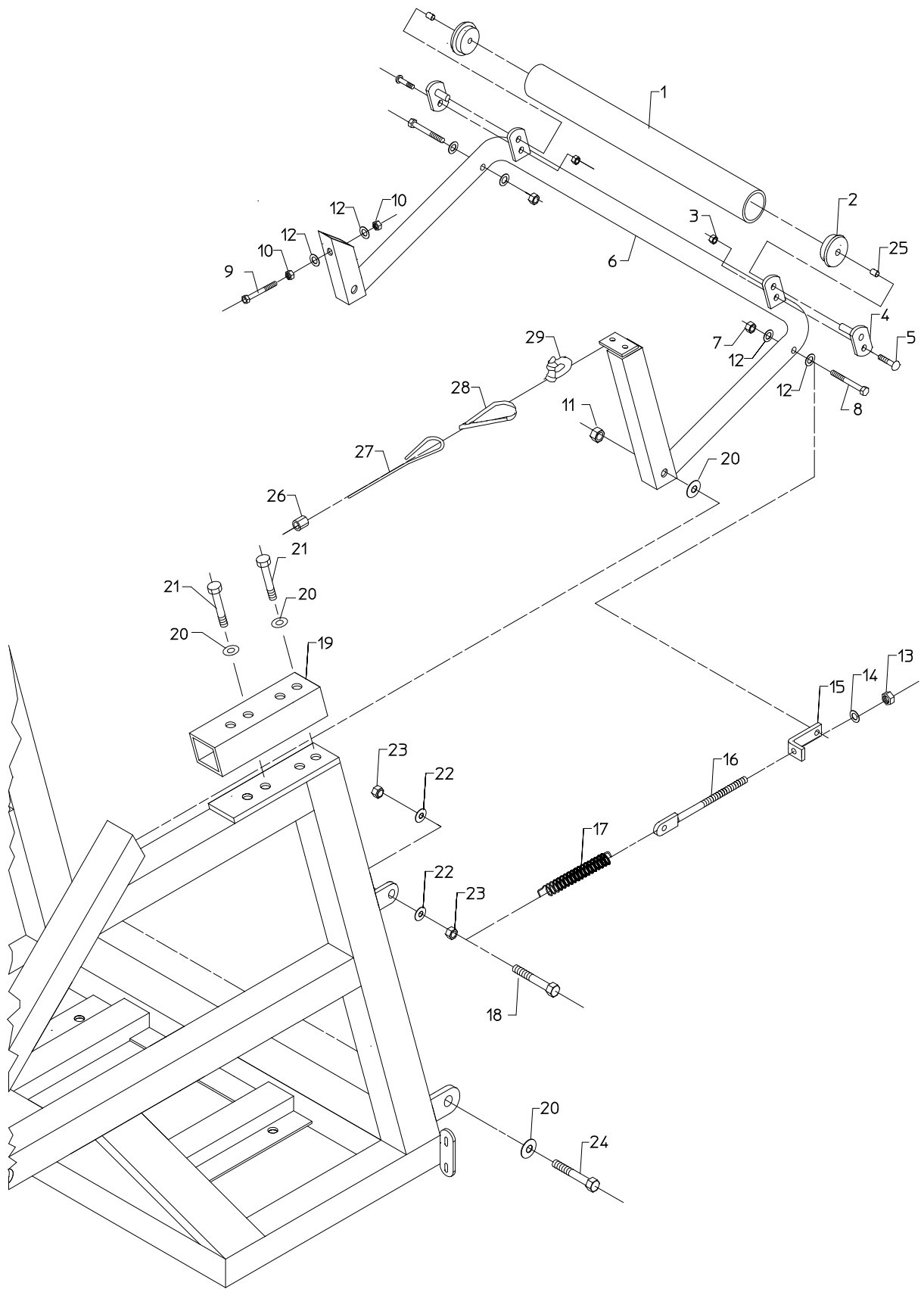
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	1007560 643208	Stopsensor Stop sensor Sjækel Shackle	Halt sensor Arret de capteur Schäkel Manille lyre	Ø8
3 - 4 -	1500044 661328	Stoparm Stop lever Fjeder Spring	Haltarm Barre d'arret Feder Ressort	Ø3,5 x Ø18 x 280 mm
5 - 6	26000661 1005530	Nødstopwire Emergency stop wire Magnet for stopsensor Magnet	Nothalt draht Arret cable Magnet Aimant	L = 1650 mm Ø20 x 10 mm
7 - 8 -	763518	Bolt Bolt Låsemøtrik Self-locking nut	Bolzen Boulon Selbstsichernde Mutter Ecrou hfr	M4 x 25 mm M4
9 - 10 -	1500061 641735	Magnetarm Magnet lever Feder Parallel key	Magnethebel Lever pour aimant Feder Clavette parallele	8 x 7 x 35 mm
11 - 12 -	31000660 761017	Strammebeslag Fittings Møtrik Nut	Beschläge Fixtion Mutter Ecrou	M10
13 - 14 -	761212 18000676	Bolt Bolt Excentrik for strammebeslag Eccentric	Bolzen Boulon Exzenter Excentrique	M10 x 70 mm
15 - 16 -	763715	Planskive Washer Bolt Bolt	Scheibe Rondelle Bolzen Boulon	Ø10 M10 x 65 mm
17 - 18 -	26000661 26000920	Stopwire, fejloprul Stop Wire Stoparm Stop Lever	Kabel Câble Haltarm Barre d'arret	L = 1900 mm
19 - 19 -	26000800 15000057	Stopbøjle Emergency stop shackle Stopbøjle Emergency stop shackle	Not- ausbügel Barre d'arret d'urgence Not- ausbügel Barre d'arret d'urgence	8-10TT L = 1740 mm 12TT L = 1890 mm
20 - 21 -	643608 643405	Wirestrammer Turnbuckle Kovs Thimble	Spannschloss Tendeur Kausche Oeillet	
22 - 23 -	643105 761013-1	Klembøsning Split sleeve Wirelås Cable clamp	Spannhülse Manchon de serrage Drahtseilklemme Serre-câbles	Ø5 Ø5.0



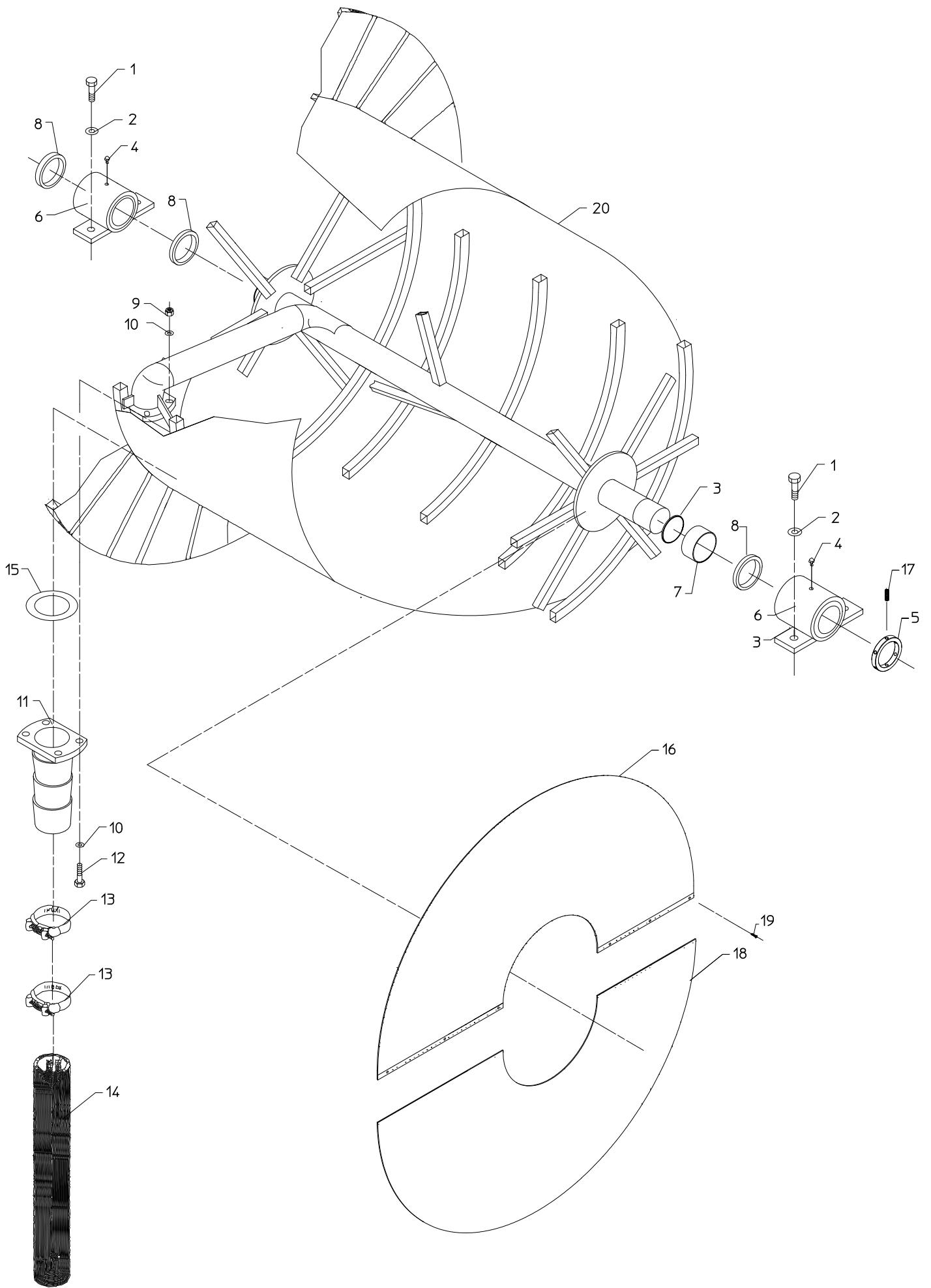
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Marque	Bemærkninger Remark Bemerkungen Remarque
1 - 1 -	26000667 35000142	Rulle for modholdsøjle Roller Rulle for modholdsøjle Roller	Roller Rouleau Roller Rouleau	8-10TT L = 1360 mm 12TT L = 1490 mm
2 - 3 -	538119 763864	Endeprop for rulle Plug for roller Låsemøtrik Self-locking nut	Abdeckstopfen für roller Bouchon pour rouleau Selbstsichernde Mutter Ecrou hfr	Ø20/23 X 20 mm M10
4 - 5	15000106 -	Nagle Spike Bræddebolt Round head bolt	Nagel Axe Flachrundschr. m.Vierkantans. Boulon a tete ronde	M10 x 25 mm
6 - 6 -	26000930 15000058	Modholdsøjle Safty bar Modholdsøjle Safety bar	Sicherheits bügel Barret d' arret d'urgence Sicherheits bügel Barret d' arret d'urgence	8-10TT L = 1830 mm 12TT L = 1980 mm
7 - 8 -	763864 761239	Låsemøtrik Self-locking nut Bolt Bolt	Selbstsichernde Mutter Ecrou hfr Bolzen Boulon	M10 M10 x 80 mm
9 - 10 -	761212 761017	Bolt Bolt Møtrik Nut	Bolzen Boulon Mutter Ecrou	M10 x 70 mm M10
11 - 12 -	763600 -	Låsemøtrik Self-locking nut Planskive Washer	Selbstsichernde Mutter Ecrou hfr Scheibe Rondelle	M20 Ø10
13 - 14 -	763865 -	Låsemøtrik Self-locking nut Planskive Washer	Selbstsichernde Mutter Ecrou hfr Scheibe Rondelle	M12 Ø12
15 - 16 -	35000275 31000050	Beslag for strammespindel Fittings Strammespindel Tightenbolt	Beschläge Raccord Spannungsspindel Boulon serrer	30 x 8 x 190 mm M12 x 145 mm
17 - 18 -	661545 761214	Fjeder Spring Bolt Bolt	Feder Ressort Bolzen Boulon	Ø7.0 x 55 x 290 mm M10 x 40 mm
19 - 20 -	32000056 -	Hæveklods Block Planskive Washer	Klotz Morceau Scheibe Rondelle	10-12TT Ø20
21 - 22 -	763517 -	Bolt Bolt Planskive Washer	Bolzen Boulon Scheibe Rondelle	M20 x 145 mm Ø10
23 - 24 -	761017 763590	Møtrik Nut Bolt Bolt	Mutter Ecrou Bolzen Boulon	M10 M20 x 100 mm



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<b>Pos. Nr.</b>	<b>Best. Nr.</b>	<b>Benævnelse</b>	<b>Bezeichnung</b>	<b>Bemærkninger</b>
<b>Pos. No.</b>	<b>Part No.</b>	<b>Designation</b>	<b>Marque</b>	<b>Remark</b>
<b>Pos. Nr.</b>	<b>Teil Nr.</b>			<b>Bemerkungen</b>
<b>Pos. No.</b>	<b>Piece No.</b>			<b>Remarque</b>
25	538119	Bøsning	Buchse	Ø20/23 X 20 mm
-		Bushing	Bague	
26	643105	Klembøsning	Spannhülse	Ø5
-		Split sleeve	Manchon de serrage	
27	26000661	Stopwire fejloprul	Stahldraht	Ø5 x 2200 mm
-		Stop wire	Cable	
28	643405	Kovs	Kausche	
-		Thimble	Oeillet	
29	643210	Sjækel	Schäkel	Ø10
-		Shackle	Manille lyre	

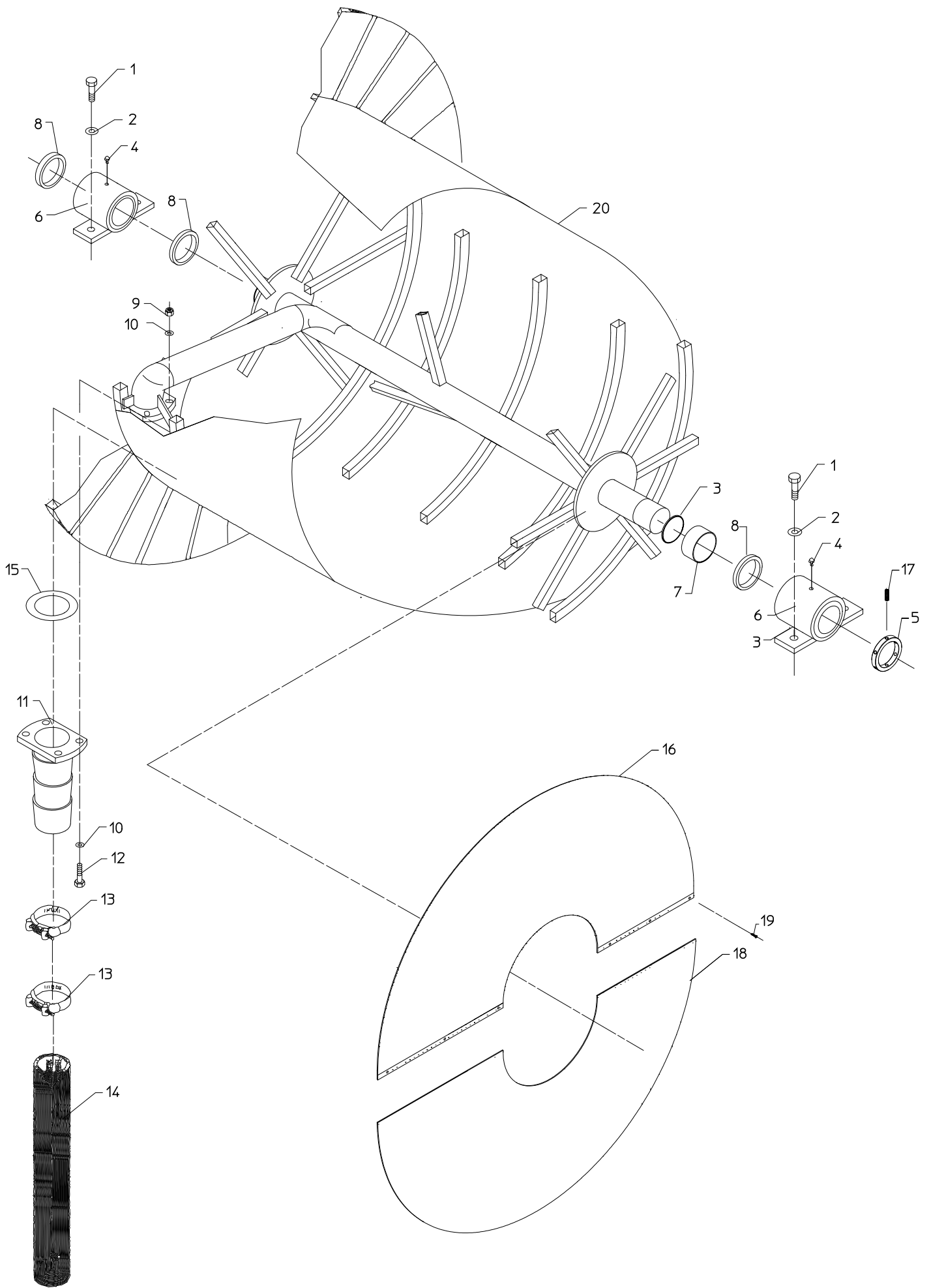




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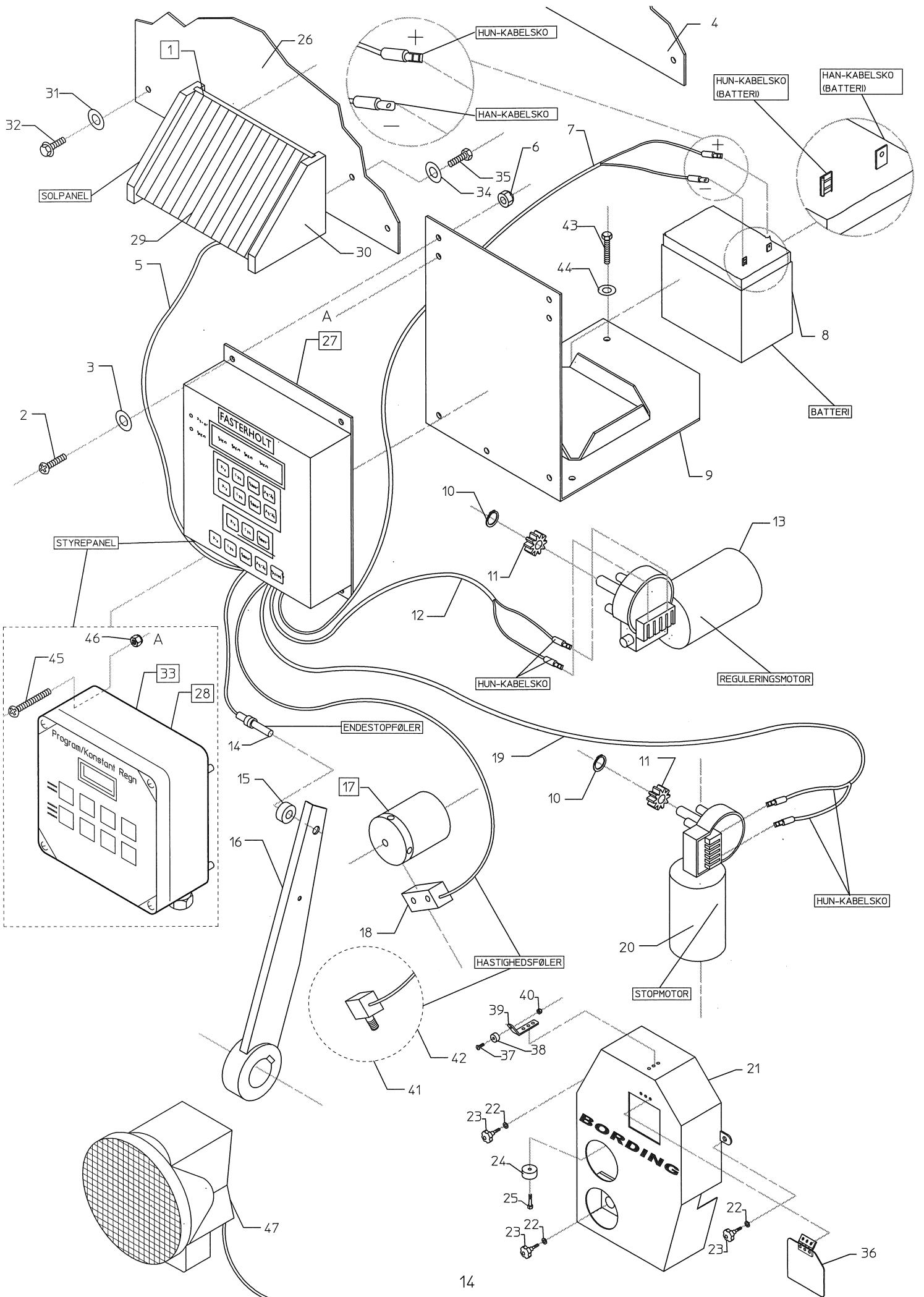
Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Nomenclature	Bemærkninger Remark Bemerkungen Remarque
1 -	763517	Bolt Bolt	Bolzen Boulon	M20 x 145 mm
2 -	-	Planskive Face plate	Planscheibe Rondelle	Ø20
3 -	624101	O-ring O-ring	O-ring Joint torique	Ø3 x 88 mm
4 -	761286	Smørenippel Lubricating nipple	Schmiernippel Graisseur	M6
5 -	36000216	Stopring Stopring	Stopring Bague de Arret	Ø132/101 X 20 mm 6 stk. M12
6 -	60000675	Hovedleje Main bearing	Hauptlager Palier de bobine	
7 -	36000151	Rustfri bøsning Stainless Bushing	Buchse, rostfrei Bague de palier	Ø100/98 x 60 mm
8 -	36000057	Stopring Stopring	Stopring Bague de Arret	Ø122/100 x 10 mm
9 -	763865	Låsemøtrik Self-locking nut	Selbstsichernde Mutter Ecrou hfr	M12
10 -	-	Planskive Face plate	Planscheibe Rondelle	Ø12
11 -	15000036	Slangestuds Hose union	Schlauchstutzen Raccord de P.E.T	Ø90 mm slange (Ø76,0 mm)
11 -	15000037	Slangestuds Hose union	Schlauchstutzen Raccord de P.E.T	Ø100 mm slange (Ø85,0 mm)
11 -	15000120	Slangestuds Hose union	Schlauchstutzen Raccord de P.E.T	Ø110 mm slange (Ø90, 0 mm)
11 -	15000127	Slangestuds Hose union	Schlauchstutzen Connection P.E.T	Ø125 mm ( Ø102,0mm)
12 -	761116	Bolt Bolt	Bolzen Boulon	M12 x 40 mm
13 -	16200726	Spændebånd Clamp	Rohrschelle Collier	Ø90 mm
13 -	16200730	Spændebånd Clamp	Rohrschelle Collier	Ø100 mm
13 -	16200732	Spændebånd Clamp	Rohrschelle Collier	Ø110 mm
13 -	16200735	Spændebånd Clamp	Rohrschelle Collier	Ø125 mm
*14 -	900110	PEM Slange PEM Hose	PEM Schlauch PEM Manchette souple	
15 -	631109	Pakning Packing	Packung Joint	Ø185/95 X 2 mm
16 -	16000025	Tromleafskærmning Drum shield	Trommelabschirmung Grillage de bobine	med bukning
17 -	-	Pinolskrue Pointed screw	Reitstockschrabe Vis sans tete hc, tronconique	M12
18 -	16000024	Tromleafskærmning Drum shield	Trommelabschirmung Grillage de bobine	uden bukning
19 -	763525	Bolt Bolt	Bolzen Boulon	M6 x 10 mm selvsk.
20 -	16000018	Tromle Drum	Trommel Bobine	8TT

\* Længde og dimension bedes opgivet \* Bitte geben Sie die Länge und die Dimension an  
\* Please state length and dimension \* Veuillez donner la longueur et le diamètre



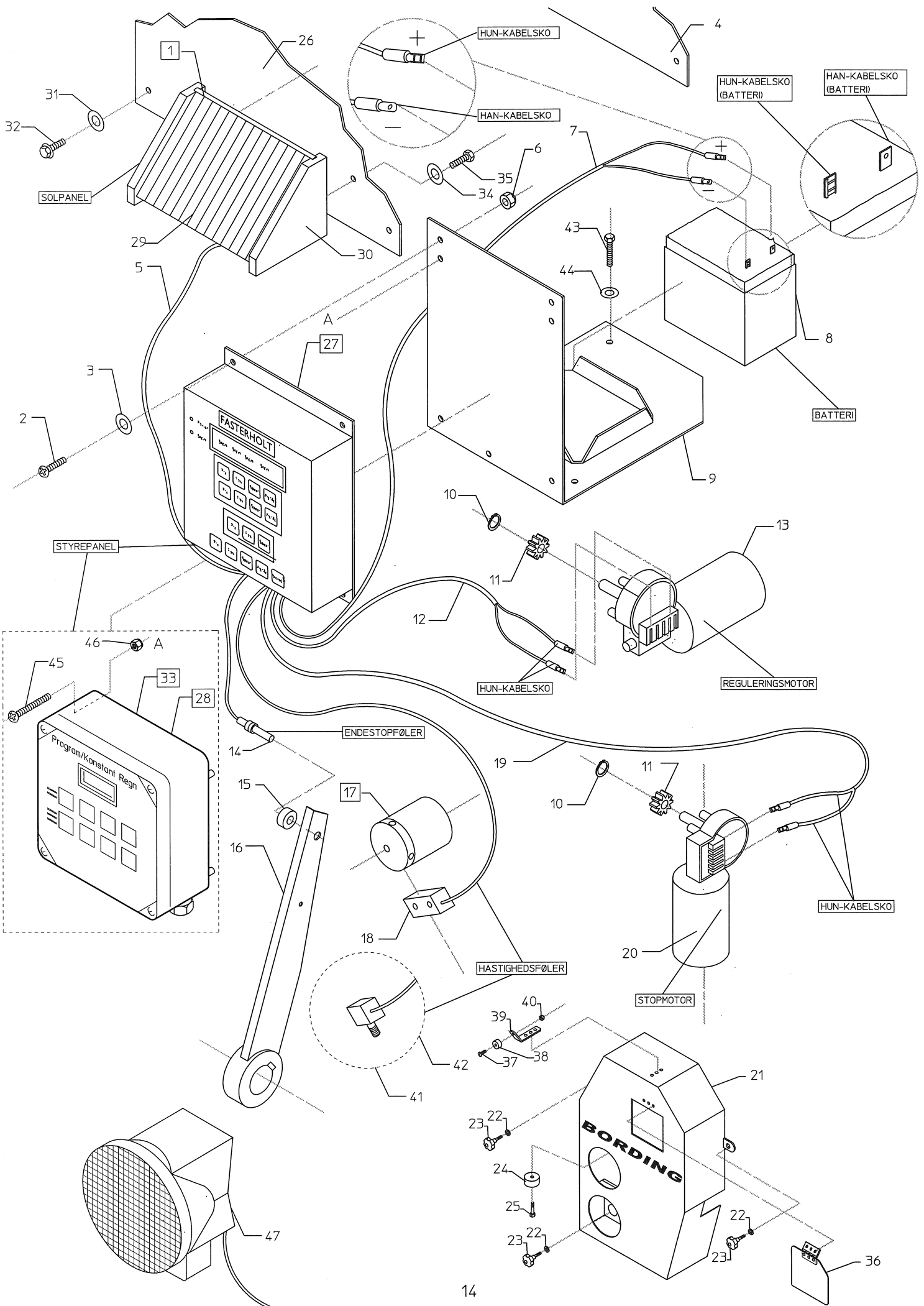
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Pos. Nr.	Best. Nr.	Benævnelse	Bezeichnung	Bemærkninger
Pos. No.	Part No.	Designation	Nomenclature	Remark
Pos. Nr.	Teil Nr.			Bemerkungen
Pos. No.	Piece No.			Remarque
20	16000015	Tromle	Trommel	10TT
-		Drum	Bobine	
20	16000019	Tromle	Trommel	11TT
-		Drum	Bobine	
20	16000005	Tromle	Trommel	12TT
-		Drum	Bobine	



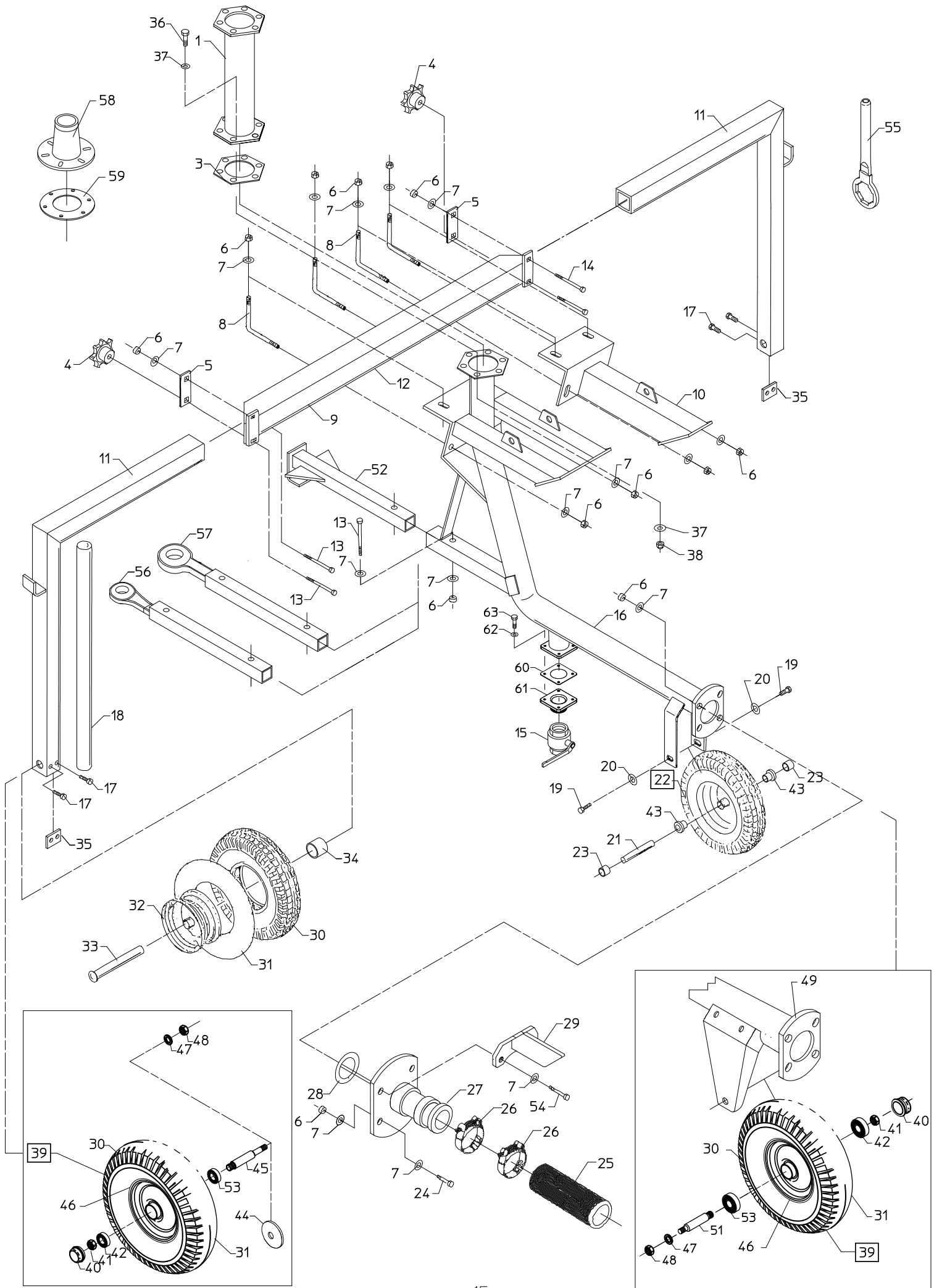
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Pos. Nr.	Best. Nr.	Benævnelse	Bezeichnung	Bemærkninger
Pos. No.	Part No.	Designation	Marque	Remark
Pos. Nr.	Teil Nr.			Bemerkungen
Pos. No.	Piece No.			Remarque
1	762080	Solpanel sæt	Solarzellenplatte	
-		Solar panel set	Kit Panneau Solaire	
2		Bolt, rundhovedet	Bolzen	M5 x 10 mm
-		Bolt, roundheaded	Boulon	
3		Planskive	Planscheibe	Ø5
-		Face plate	Rondelle	
4	35000274	Skærm (Side uden solcelle)	Abschirmung	
-		Shield	Carter	
5	1005523-5	Ledning for solpanel, sort	Kabel, schwarz	Med stik
-		Cabel, black	Câble, noir	
6	763860	Låsemøtrik	Selbstsichernde Mutter	M5
-		Self-locking nut	Ecrou hfr	
7	1007573	Ledning for batteri	Kabel für batteri	m/han-hun stik
-		Cable for battery	Câble	
8	1005521	Batteri	Batteri	12V 12Amp
-		Battery	Batterie	
9	15000072	Plade for styrepanel og batteri	Platte für Steuerschrank	
-		Plate for controlbox	Montage pour caisse	
10	1007184	Klemring	Klemmenring	U - 7,0
-		Snap ring	Circlip	
11	1007190	Tandhjul	Zahnrad, klein	10Z
-		Cogwheel, small	Pignon	
12	1007567	Ledning Grå	Kabel Grau	Regulering 3.6 m
-		Cabel Grey	Câble Gris	
13	1007180	Motor	Motor	Reguleringsmotor
-		Engine	Moteur electrique	
14	107560	Stopsensor m. kabel	Halt sensor	M10 x 40 med 3.6 m kabel
-		Stop sensor w. cable	Arret capteur	
15	1005530	Magnet for stopsensor	Magnet	Ø20/10 mm
-		Magnet	Aimant	
16	15000061	Magnetarm	Magnethebel	
-		Magnet lever	Levier de aimant	
17	14000017	Best One Målerulle	Messroller, Best One	
-		Measuring roller, Best One	Galet de mesure, Best One	
18	1007561	Hastighedsføler, komplet	Geschwindigkeitssensor, komplett	Efter 2005
-		Speed sensor, complete	Capteur de vitesse, complet	
19	1007568	Ledning Hvid	Kabel, weiss	Undertryksstop 3.6 m
-		Cabel White	Câble blanc	
19	1007565	Ledning Hvid	Kabel weiss	Overtryksstop 5 m
-		Cabel White	Câble blanc	
20	1007180	Motor	Motor	Stopmotor
-		Engine	Moteur electrique	
21	90000670	Skærm, Trækstation	Abschirmung	8-10-12TT
-		Shield	Carter	
22		Planskive	Planscheibe	Ø6
-		Face plate	Rondelle	
23	681116	Håndskrue	Handschraube	M6
-		Hand screw	Poignee vis	



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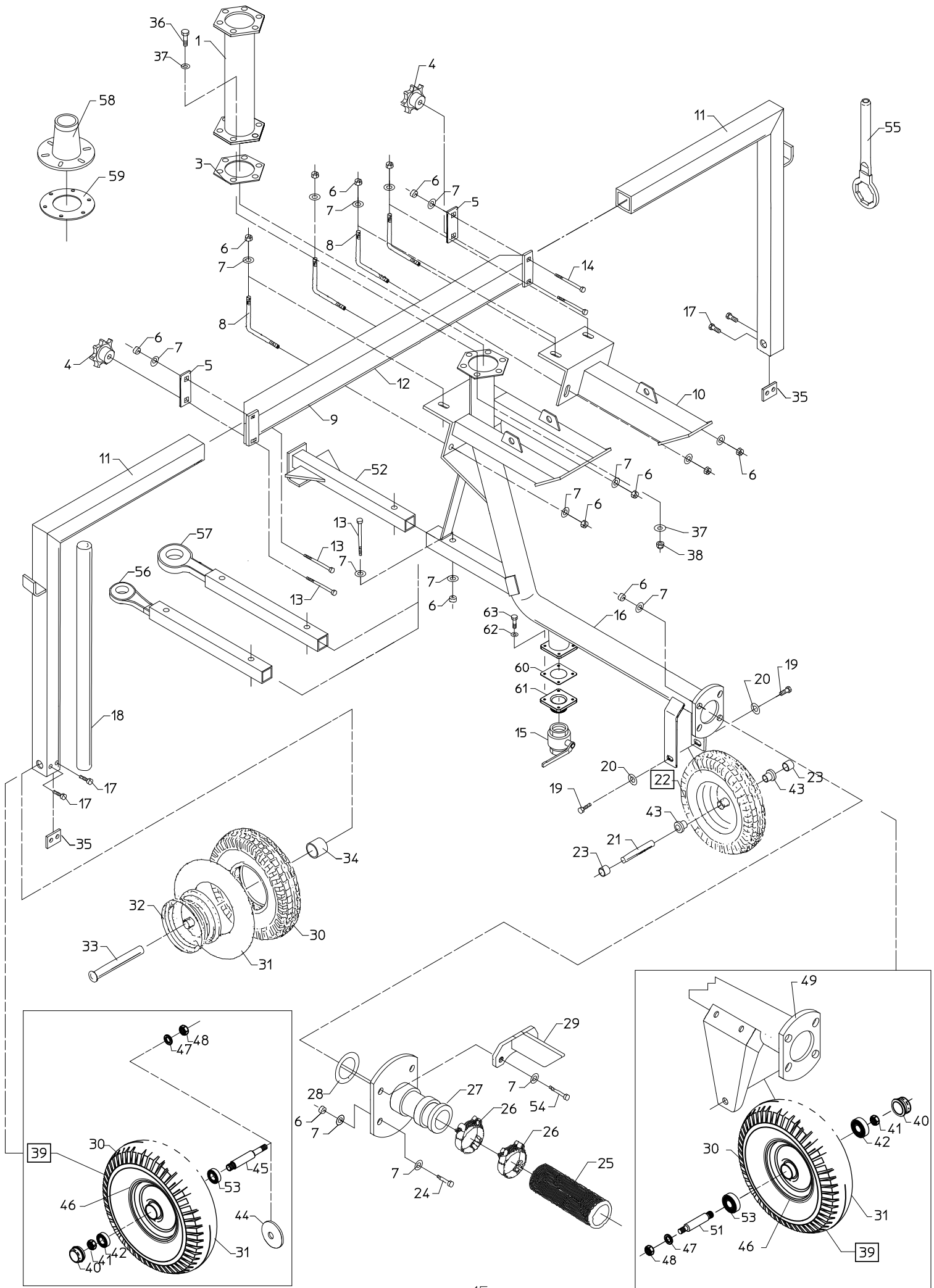
Pos. Nr.	Best.. Nr.	Benævnelse	Bezeichnung	Bemærkninger
Pos. No.	Part No.	Designation	Marque	Remark
Pos. Nr.	Teil Nr.			Bemerkungen
Pos. No.	Piece No.			Remarque
24		Afstandsklods Block	Klotz Moreeau	
25		Bolt Bolt	Bolzen Boulon	
26	35000277	Hovedkædeskærm ved solcelle Guard	Abschirmung Carter	
27	520049	Best One Program Best One Program	Best One Programm Best One Programme	
28	1007549-8	Program Regn Program Rain	Programm Regen Programme Pluie	Type 10m. ur
29	1005523	Solpanel Solar panel	Solarzellen Panneau Solaire	
30	1005523-3	PVC holder højre/venstre Pvc holder reight/left	Pvc halten rechts/ links Pvc tenir droite/ gauche	
31		Planskive Face plate	Planscheibe Rondelle	Ø6
32		Bolt Bolt	Bolzen Boulon	M6 x 10 mm, Tap light
33	1007551	Konstant Regn Constlant Rain	Konstant Regen Constlant Pluie	Type 7 m. ur
34		Planskive Face plate	Planscheibe Randelle	Ø6
35	761350	Bolt Bolt	Bolzen Boulon	M6 x25 mm
36	35000322	Plade foran computer Plate for computer	Platte fOr computer Plate pour Programmeur	
37		Bolt, undersænket Bolt, eauniersink	Bolzen Boulon	M4 x20 mm
38	1005530	Magnet Magnet	Magnet Aimant	020/10 mm
39	15000122	Plade for magnet Platefor magnet	Platte fOr magnet Aimant pour platte	
40		Låsemøtrik Self-locking nul	Selbstsichernde Mutter Ecrou hfr	M4
41	520612	Hastighedsføler, komplet Speed sensor. Complete	Geschwindigkeitssensor, ko mplett Capteur de vitesse, complet	Før 2005 . Med alm. kabel
42	14000025	Hastighedsføler, komplet Speed sensor, complete	Geschwindigkeitssensor, komplet! Capteur de vitesse, complet	Før 2005 . Med spiralkabel
43	763519	Bolt Bolt	Bolzen Boulon	MS x20 mm
44		Planskive Face plate	Planscheibe Randelle	ØS
45		Bolt, rundhovedet Bolt, roundheaded	Bolzen Boulon	M4x20 mm
46		Låsemøtrik Self-locking nul	Selbstsichernde Mutter Ecrou hfr	M4
47	521912	Forvarselsblitz Warning Light	Warnungslicht Voyant lumineux	0200 Gui12V





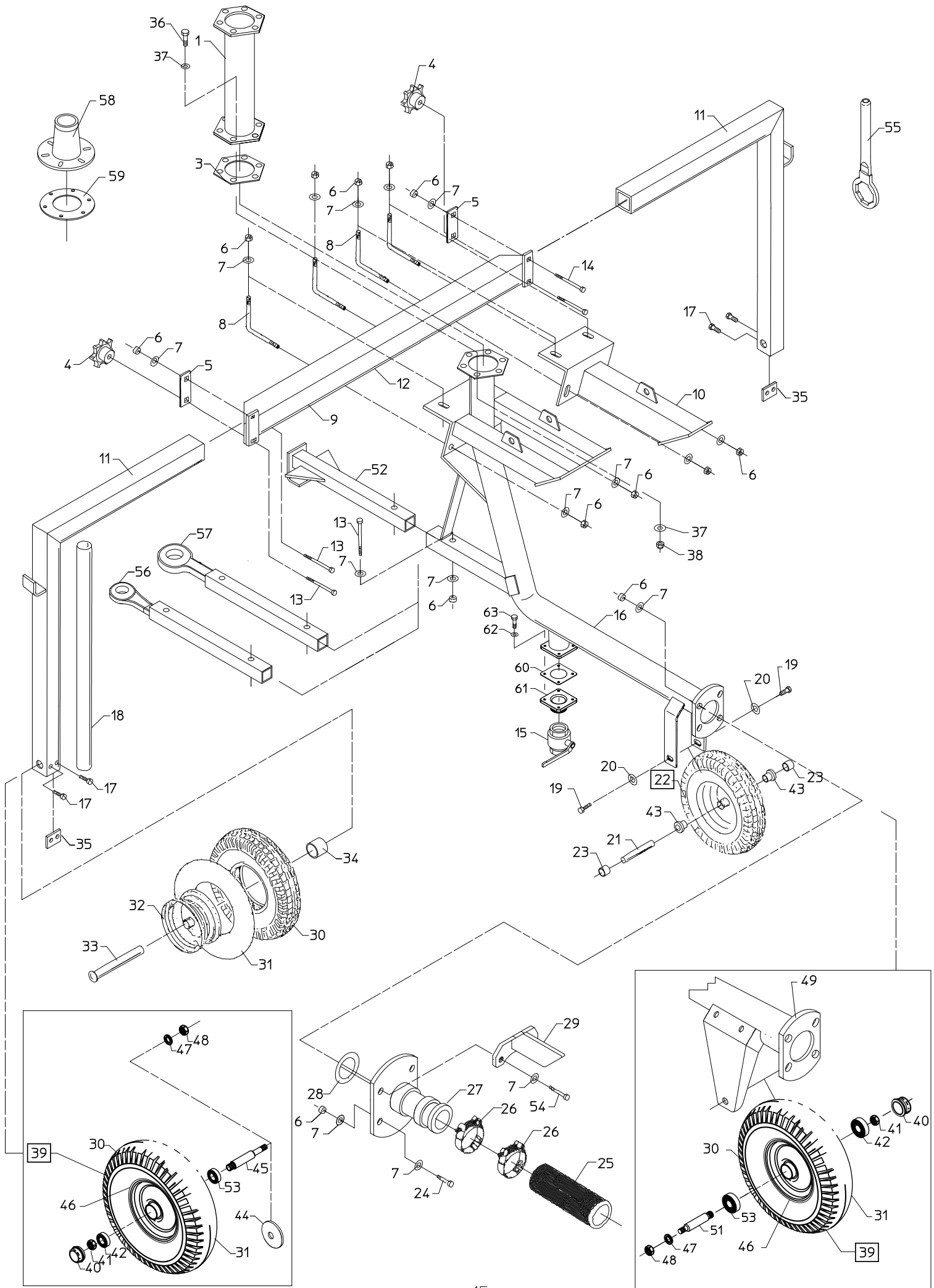
**8-10-12TT fra serie nr. 301 / 8-10-12TT from serial no. 301 / 8-10-12TT ab Serie Nr. 301 /  
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Nomenclature	Bemærkninger Remark Bemerkungen Remarque
1 - 2 -	15000040 15000041	Forlængerrør Extension pipe Overgangsrør Transition pipe	Verlängerungsrohr Rehausse tuyau Übergangsrrohr Adaption embase canon à vis	h = 500 mm 2,5" RG
3 -	761614	Pakning Gasket	Packung Joint	
4 -	517542	Håndskrue Hand screw	Handschraube Poignee vis	M10
5 -	37000062	Beslag Fittings	Beschläge Patte de fixation	L = 140 mm
6 -	763865	Låsemøtrik Self-locking nut	Selbstsichernde Mutter Ecrou hfr	M12
7 -	-	Planskive Face plate	Planscheibe Rondelle	Ø12
8 -	37000064	Spændebøjle Fixing shackle	Spann bügel Bride	135 x 135 mm
9 -	17000037	Overligger Girder	Träger Chape centrale	3.0 m Sporvidde (Bred kanonvogn)
10 -	17000024 -	Løftearm Lift Arm	Hubarm Bras de levage	
11 -	17000017	Ben Leg	Bein Jambes de chariot	
12 -	17000018	Overligger Girder	Träger Chape centrale	
13 -	763706	Bolt	Bolzen	M12 x 120 mm
14 -	-	Bolt Bolt	Boulon Bolzen	M12 x 130 mm
15 -	540116	Kuglehane Ball valve	Kugelhahn Vanne à boisseau sphérique	2"
16 -	17000016	Kanonvognskrop Gunwagon body	Regner wagen körper Tube central du chariot	
17 -	763605	Sætbolt Set screw	Gewindestift Vis de pression	M10 x 35 mm
18 -	37000067	Vægtstang Counter weight rod	Gegengewicht Masse	
19 -	-	Sætbolt Set screw	Gewindestift Vis de pression	M10 x 20 mm
20 -	-	Skærmskive Disc	Scheibe Rondelle	Ø20
21 -	37000065	Aksel Axle	Achse Arbre	Forhjul Ø25 x 215 mm Rustfri
22 -	830600	Hjul komplet Wheel complete	Rad komplett Roue complete	600 x 9"
23 -	37000066	Afstandstykke Distance fittings	Abstandstücke Bague	L = 19 mm
24 -	763700	Bolt Bolt	Bolzen Boulon	M12 x 45 mm
25 -	-	PEM slange * PEM hose *	PEM Schlauch * Tuyau polyethylene P.E.T *	
26 -	16200726	Spændebånd Clamp	Rohrschelle Collier	Ø90 mm



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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Nomenclature	Bemærkninger Remark Bemerkungen Remarque
26 - 26 -	16200730  16200732	Spændebånd Clamp Spændebånd Clamp	Rohrschelle Collier Rohrschelle Collier	Ø100 mm  Ø110 mm
26 - 27 -	16200735  15000036	Spændebånd Clamp Slangestuds Hose union	Rohrschelle Collier Schlauchstutzen Connection P.E.T	Ø125 mm  Ø90 mm (Ø76,0 mm)
27 - 27 -	15000037  15000120	Slangestuds Hose union Slangestuds Hose union	Schlauchstutzen Connection P.E.T Schlauchstutzen Connection P.E.T	Ø100 mm (Ø85,0 mm)  Ø110 mm (Ø90,0 mm)
27 - 28 -	15000127  631109	Slangestuds Hose union Pakning Gasket	Schlauchstutzen Connection P.E.T Packung Joint	Ø125 mm ( Ø102,0mm)  Ø185/95 X 2 MM
29 - 30 -	35000153  830606	Stopanslag Stopface Dæk Tyre	Anschlag Butee d'arret Reifen Pneu	  600 x 9"
31 - 32 -	830604  830502	Slange Hose Fælg Wheel rim	Schlauch Chambre a air Felge Jante	
33 - 34 -	17000019  37000066	Aksel Axle Afstandsbøsning Bush	Achse Arbre Buchse Bague	Baghjul Ø25 x 300 mm Rustfri  L = 19 mm
35 - 36 -	37000036  761214	Gevindplade Clamp Bolt Bolt	Rohrschelle Collier Bolzen Boulon	60 x 12 x 70 mm  M10 x 40 mm
37 - 38 -	-  763864	Planskive Face plate Låsemøtrik Self-locking nut	Planscheibe Rondelle Selbstsichernde Mutter Ecrou hfr	Ø10  M10
39 - 40 -	831400  837202	Hjul komplet Wheel complete Dæksel Cover	Rad komplett Roue complete Deckel Bouchon de moyeu	m. lejer 600/9"  
41 - 42 -	763750  847020	Låsemøtrik Self-locking nut Leje Bearing	Selbstsichernde Mutter Ecrou hfr Lager Palier	M16  
43 - 44 -	37000100  37000112	Afstandsbøsning Bush Skive for kanonvognsaksel Disc for gun wagon axle	Buchse Bague Scheibe für regnerwagenachse Ø50/16.5 mm	Ø25 mm  
45 - 46 -	17000035  831402	Aksel Axle Fælg Wheel rim	Achse Arbre Felge Jante	Baghjul  EK-21



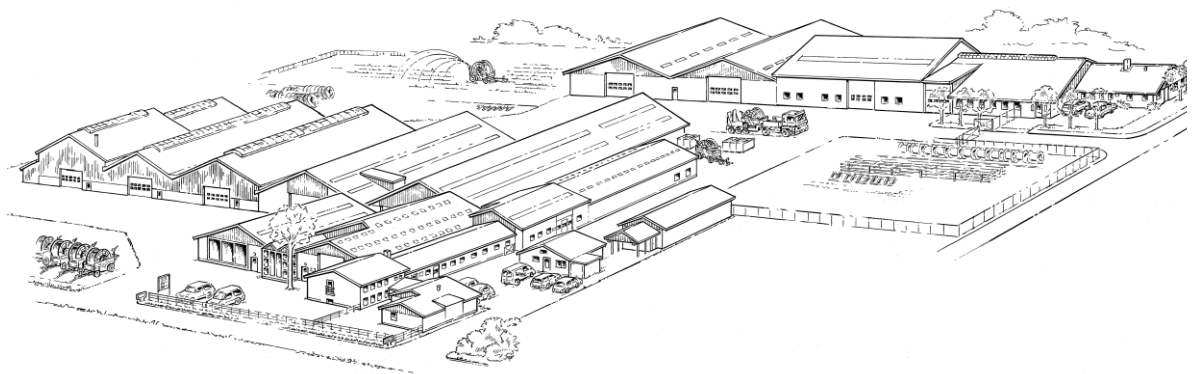
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Pos. Nr. Pos. No. Pos. Nr. Pos. No.	Best.. Nr. Part No. Teil Nr. Piece No.	Benævnelse Designation	Bezeichnung Nomenclature	Bemærkninger Remark Bemerkungen Remarque
47 - 48 -	-  763750	Planskive Face plate Låsemøtrik Self-locking nut	Planscheibe Rondelle Selbstsichernde Mutter Ecrou hfr	Ø16  M16
49 - 50 -	17000016  17000024	Kanonvognskrop Gunwagon body Løftearm for kanonvogn Lever for Gunwagon	Regnerwagenkörper Tube central du chariot Hebel für Regnerwagen Lever du chariot	  Ekstra
51 - 52 -	17000034  17000020	Aksel Axle Udtrækskrog Pull-Out Hook	Achse Arbre Ausziehhaken Rallonge crochet	Forhjul
53 - 54 -	846025  763691	Leje Bearing Bolt Bolt	Lager Palier Bolzen Boulon	  M12 x 65 mm
55 - 56 -	761295  17000039	Dysenøgle Nozzle tool Udtrækskrog Pull-Out Hook	Düsewerkzeug Clé pour buses Ausziehhaken Rallonge crochet	SR 150 / SR 200  Ø40
57 - 58 -	17000043  15000041	Udtrækskrog Pull-Out Hook Overgangsør Transition pipe	Ausziehhaken Rallonge crochet Übergangsröhr Adaption embase canon à vis	Ø50  2,5" RG
59 - 60 -	631609  631955	Pakning Gasket Pakning Gasket	Packung Joint Packung Joint	
61 - 62 -	13000063  -	Flange Flange Planskive Face plate	Flansch Bride Planscheibe Rondelle	2" RG  Ø8
63 -	763655	Bolt Bolt	Bolzen Boulon	M8 x 25 mm

- \* Længde og dimension bedes opgivet
- \* Bitte geben Sie die Länge und die Dimension an
- \* Please state length and dimension
- \* Veuillez donner la longueur et le diamètre







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