

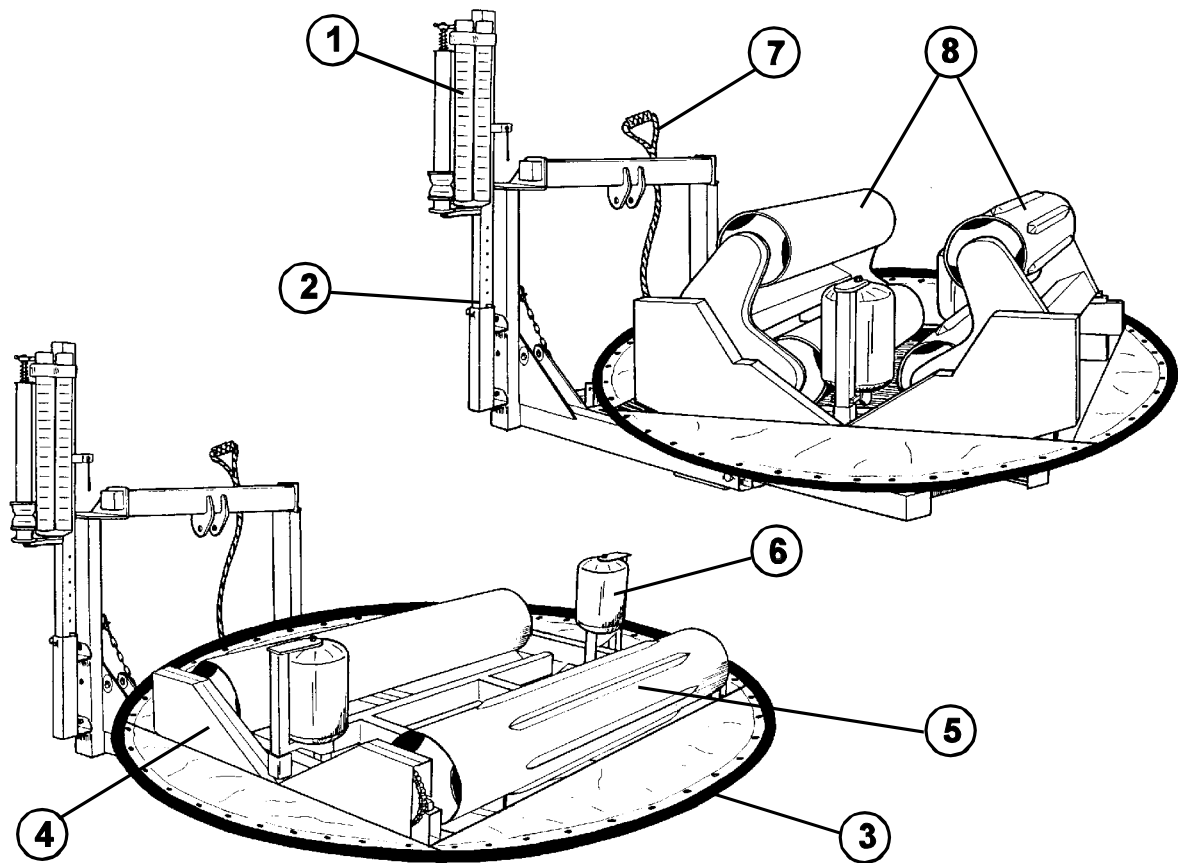
## **USER'S MANUAL / SPARE PARTS LIST**

### **MINI WRAP 600 / 604**

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# MINI WRAP 600 / 604

## Balewrapping machines



- 1. Prestretcher
- 2. Adjustment of prestretcher
- 3. Main frame
- 4. Turntable

- 5. Standard rollers
- 6. Support rollers
- 7. Releasing cord
- 8. Special rollers for square bales

## 1.0 INTRODUCTION.

TELLEFSDAL A.S congratulates you with the choice of MINI WRAP bale wrapping machine. We are certain you will be satisfied with the machine, and that you will have the pleasure of your investment for many years.

MINI WRAP 600 / 604 is hydraulically driven by the tractors hydraulic system, and is easy to operate with the tractors' hydraulic lever or with a separate lever. (Extra equipment).

The MINI WRAP 600 is designed to be a simple, effective and cheap bale wrapping machine for round and square bales. MINI WRAP 600 is estimated for wrapping bales of grass, hey or straw, with nominal diameter of 3½ - 5¼ ft. (110-160cm), and weights up to 2650 lbs. (1200 kg). The machine is developed and has been improved since the beginning in 1991, and is now a very reliable and safe machine with high security built in.

MINI WRAP 600 can also be delivered with three rubber-belts as extra equipment.

The MINI WRAP 604 is equal to 600, but it has special rollers for square bales. It can handle bales from 2' x 2', (60 x 60 cm), up to 4' x 4', (120 x 120 cm). It can also be used for wrapping round bales.

This manual is meant to explain how MINI WRAP is prepared, mounted, used and how it works, and shall together with the spare part's list be a reference for maintenance and troubleshooting. So take good care of the books, they are a part of the machine.

Read carefully through this manual, and specially chapter 2.0, safety instructions, before starting the machine, and follow the instructions thoroughly. If problems should occur, please contact your MINI WRAP dealer. Ask your dealer for advice before you make the problem worse than it is. See also chapter 10.0, Warranty terms.

Technical Specifications	MINI WRAP 600	MINI WRAP 604
Height in working position	1400 mm	1400 mm
Width	2200 mm	2200 mm
Length	2820 mm	2820 mm
Weight	550 kg	650 kg
Turntable speed, recom.	22 rev. per minute	22 rev. per minute
Turntable speed, max.	27 rev. per minute	27 rev. per minute
Bale size, max.	ø1600 mm	1200 x 1200 x 1500 mm
Bale weight, max.	1200 kg	1200 kg
Capacity	approx. 25 bales per hour	approx. 25 bales per hour
Prestretcher	500 mm / 750 mm	500 mm / 750 mm
Hydraulic connection	1 sing.work.outlet,+free return	1 sing.work.outlet,+free return
Oil pressure / amount, min.	100 bar / 15 liter per minute	100 bar / 15 liter per minute
Oil amount, max.	40 liter per minute	40 liter per minute
Counter pressure, max.	10 bar	10 bar
Electric connection	12 V DC	12 V DC

TELLEFSDAL A.S can change the construction and/or technical specifications without warning and without rights to changes on already delivered products.

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With precaution of printing failure.

## 2.0 SAFETY PRECAUTIONS.

TELLEFSDAL A.S does not take the responsibility for damages that may occur on machine, persons or other equipment, because of the machine **NOT** being used as described in this manual, or because of the safety precautions **NOT** being followed.

### 2.1 SAFETY EQUIPMENT.

Before using the machine, make sure that all guards and covers are securely fitted. The machine must not be operated if a function does not work as described later in this manual. (See chapter 2.5).

### 2.2 BECOME FAMILIAR WITH THE OPERATIONS OF THE MACHINE.

If you are unsure how to operate the machine properly, either use of or maintenance to your Auto Wrap, please contact your Auto Wrap dealer.

### 2.3 ADJUSTMENTS' / MAINTENANCE.

Turn off the tractor and discharge the oil pressure before performing any adjustment or maintenance on the machine. Remember that a well-maintained machine is a safe machine.

### 2.4 IMPORTANT!

**MAKE ALWAYS SURE THAT NOBODY IS INSIDE  
THE MACHINE'S WORKING AREA WHEN IT'S IN USE.**

**THE MACHINE MUST NEVER BE OPERATED BY PERSONS WHOM DOES NOT KNOW ENOUGH  
ABOUT HOW TO SAFELY OPERATE THE MACHINE, OR BY PERSONS UNDER 16 YEARS OF  
AGE.**

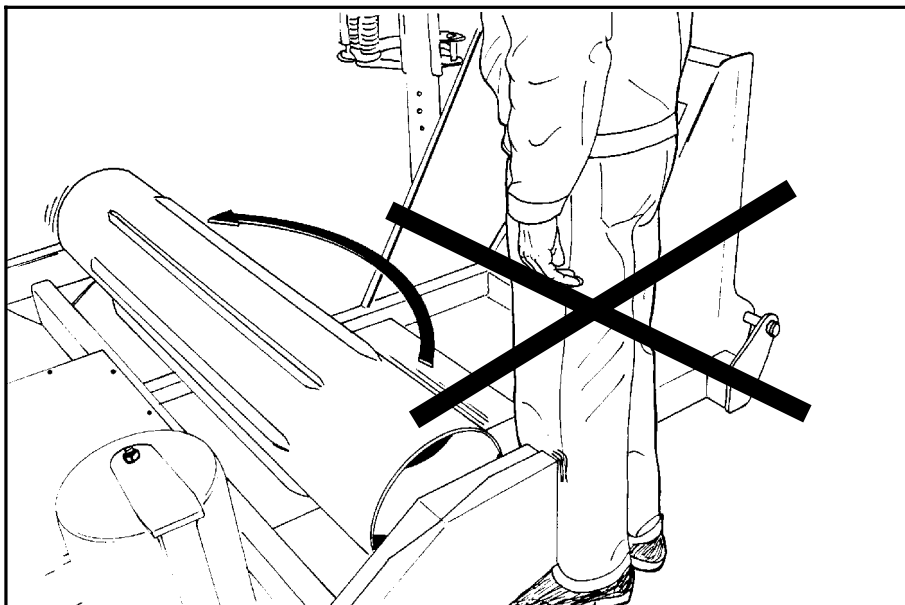


Fig. 2-1

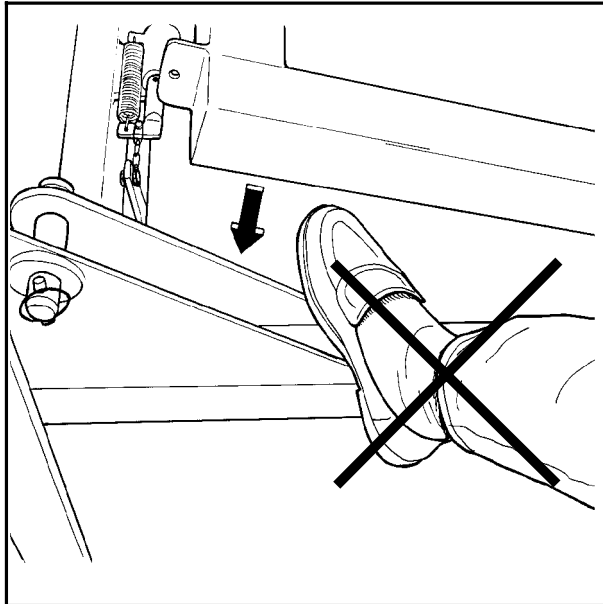


Fig. 2-2

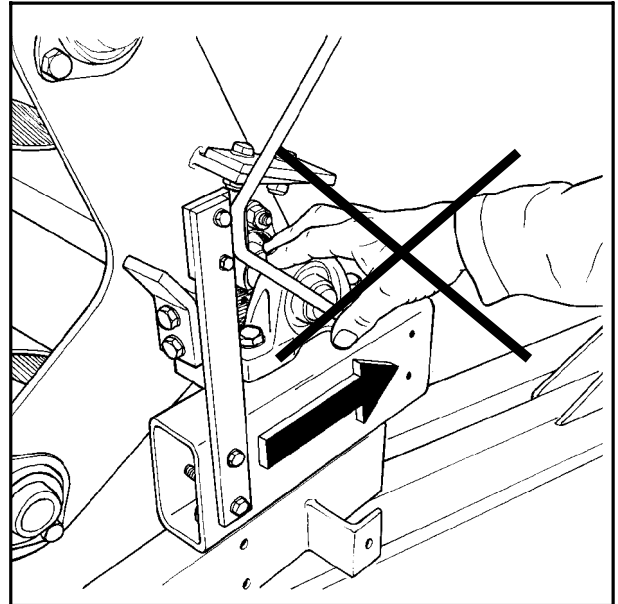


Fig. 2-3

## 2.5 DANGEROUS AREAS.

TELLEFSDAL A.S has given the safety to the operator the highest priority, but it is still impossible to secure oneself of every danger area on the machine. Therefore we will now go through some of the dangers that can occur when using the Mini Wrap balewrapper.

1. Become specially aware of the rotating turntable. Make sure that the protection ring is always in order. It shall protect against the squeeze danger between turntable and main frame.  
**Removing of, or neglect to mount the protection ring, will result in a squeeze danger between the main frame and the turntable.** (Fig. 2-1).
2. When the wrapping of a bale is complete and tipped off the machine, the turntable has to be tipped back and locked before wrapping next bale. When the middle frame with turntable is lowered, there is a squeeze danger between the middle frame and the main frame on both sides and in the back end of the machine. Keep therefor fingers and feet in safe distance. (Fig. 2-2).
3. On the turntable there is mounted a knife that cuts the plastic film when start of wrapping the next bale. This cutter-blade is sharp and can cause a cutting danger for fingers if they should come in its way. (Fig. 2-3).
4. When tipping the turntable, the bale will roll free off the machine. Staying behind the machine can cause danger for "overrunning" by the bale when it rolls off. Make therefor sure that nobody is behind the machine when unloading.

## 2.6 WHILE WRAPPING.

Let the machine rest on the ground while wrapping. Make sure that nobody comes into the working area of the machine.

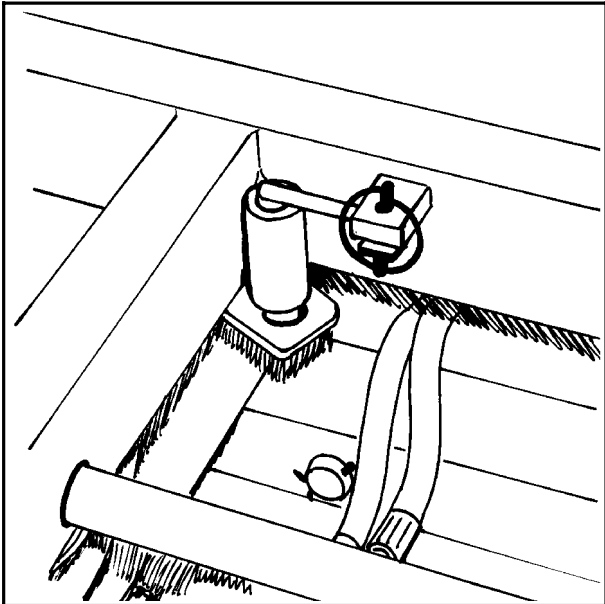


Fig. 2-4

### 2.7 THREE POINT MOUNTING.

When the machine is mounted in the three point linkage, make sure that the lifting arms are tightened up so there is no sideways movement.

### 2.9 TRANSPORTING.

When transported on a public road there are certain safety measures that must be taken:

1. The machine is equipped with a transport locking bolt. This always has to be set in locking position before transporting. When the turntable is in right position, lower the bolt and secure it with the linch pin. (Fig. 2-4).
2. Always transport the machine in the lowest possible position.
3. Make sure that the machine does not cover the tractors' lights. If necessary, mount extra lights.
4. Make sure that at least 20% of the tractor's total weight is on the steering wheels.

### **3.0 GENERAL INFORMATION ON BALE WRAPPING.**

#### **3.1 THE PRINCIPLE.**

The advantages of round bale ensilage are many, and include fewer feed units, a flexible harvesting system, large capacity and the possibility of selling feed units.

In principle, the same fermentation processes occur whether the fodder is placed in a silo or pressed into bales and packed in plastic, i.e. lactic acid fermentation in anaerobic conditions. The oxygen in the bale must be exhausted before fermentation begins.

The grass should be dried to approximately 30-40% solid content. The solid content can be determined by twisting the grass by hand. If drops of liquid are forced out of the grass, the solid content is less than 25%. Low solid content, (wet grass), can lead to increased butyric acid fermentation if preservatives are not added to the grass. If the solid content is too high, (over 50%), normal fermentation will not take place and there will be enough oxygen in the bale to produce mould fungus.

#### **3.2 THE BALE PRESS.**

It is vital that the bale press produces compact, well-formed bales, as misshapen bales can be difficult to pack. Pressing will also often take longer, thereby increasing the amount of plastic used.

#### **3.3 TYPES OF PLASTIC.**

A good type of plastic with good adhesive properties, and which is recommended for bale wrapping, must be used. The thickness of the plastic foil should be at least 25  $\mu$ . (25/1,000 mm). In order that the plastic tightens sufficiently around the bale, it is stretched before being wrapped, so it is somewhat thinner when it is put on the bale. With short-term storage, (up to eight weeks), it is recommended that bales have a minimum of four layers of plastic at the thinnest points, with at least 52-53% overlap.

For long-term storage, or when the grass is wet when it is packed, the bale should have 90-100  $\mu$  plastic, (6 layers), and the same amount of overlap. If thinner plastic is used, more layers should be applied. If it is very hot the plastic will be stretched further, and more layers should be applied. It is better to have slightly too much than too little plastic on the bale.

From experience, light plastic produces slightly lower temperatures within the bale, and tends to improve feed quality.

#### **3.4 STORAGE LOCATION.**

Care should be taken in finding a suitable location for the storage of bales. The storage location should preferably be prepared before the bales are laid out. An elevation close to well-drained roads is recommended. If the wrapped bales are simply placed on stubble there is a danger of the plastic being pierced. A tarpaulin or a thin layer of sand should therefore be laid where the bales are to be stored over the winter.

Bales should be stored in the shade as far as possible. This reduces the danger of air leakage in the bales. A bale which is stored in sunlight and which therefore undergoes greater swings in temperature "pumps in" a great deal of air in comparison to a bale which is stored in the shade. According to "Teknik for Lantbruket" [Technology for Agriculture] in Sweden, a bale which is stored in the shade has only 40% of the air leakage of a bale which is stored in sunlight.

### **3.5 STACKING / PROTECTION.**

If bales are hard and well formed, they can be stacked vertically, but loose and misshapen bales with low solid content should not be stacked higher than one layer, as this could easily cause deformity and the danger of runoff will be increased.

Bales can also be stored on their sides. The layer of plastic is thicker here, providing greater protection against piercing.

Bales should be covered with a tarpaulin or a fine-mesh net to protect against birds and small rodents. If the plastic is pierced, it must be sealed with weatherproof, hard-wearing tape, preferably under the outermost layer of plastic. Ensure that the hole is adequately sealed.

### **3.6 The best wrapping results are obtained by...**

1. ...harvesting the grass early.
2. ...drying it out to 30-40% solid content. If there is a danger of rain, press and pack the grass anyway.
3. ...taking care not to mix any earth in with the grass.
4. ...using a press which produces even, firm bales.  
Bales 1.2 m in width and with a diameter of 1.2-1.5 m are the preferred size.
5. ...packing the bales soon after pressing, never later than two hours afterwards.
6. ...using a good type of plastic and six layers of plastic. This removes the need to use preservatives.
7. ...storing bales in the shade to reduce the danger of air leakage.



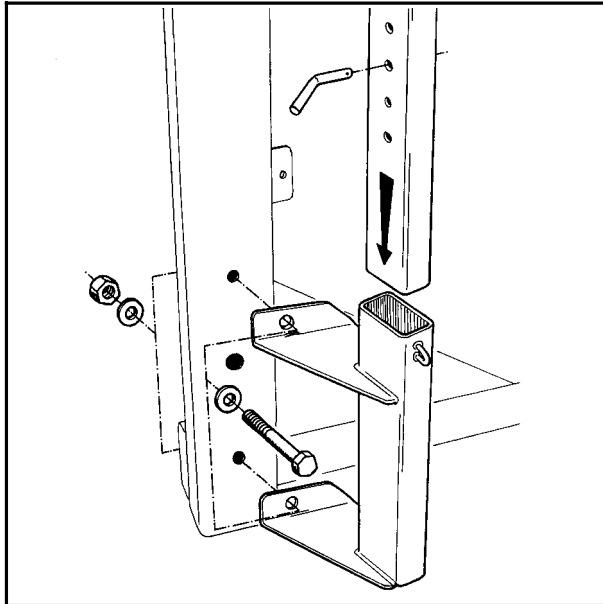


Fig. 4-1

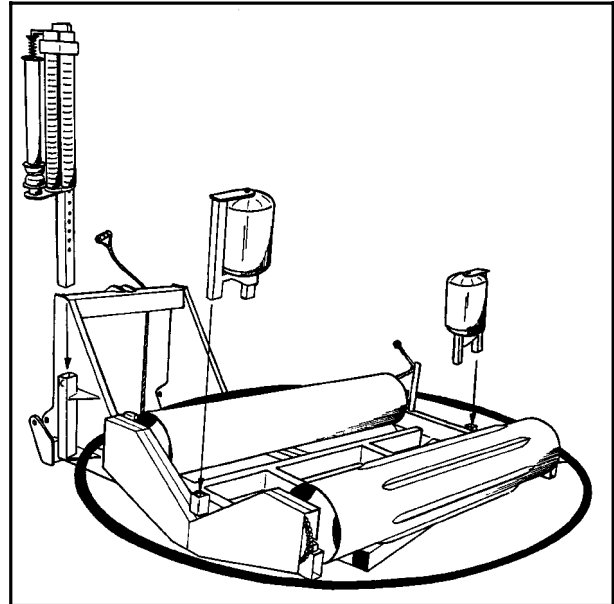


Fig. 4-2

#### 4.0 SETTING UP / MOUNTING OF THE MACHINE.

4.1 Because of the freighting of the machine, some parts are not mounted at the factory. These parts are:

- Prestretcher-bracket.
- Prestretcher with tube for height adjustment.
- Support rollers.
- Knife.
- Protection ring.

Before using, these parts have to be mounted.

**THE PRESTRETCHER-BRACKET** is to be mounted on the right side of the machine, in the lower holes with two screws M10 x 80, washers and lock nuts. (Fig. 4-1).

If the machine is a 604, and you want to wrap round bales with it, mount the bracket in the upper holes.

Then mount **THE PRESTRETCHER** in the bracket. (Fig. 4-2). Put in the bolt and secure it with the linch pin. It is adjustable in seven different heights after the size of the bales. (See chap. 6.3).

Mount the **SUPPORT ROLLERS** in the holes on the turntable. (Fig. 4-2). They can be placed in four different positions after the size of the bales.

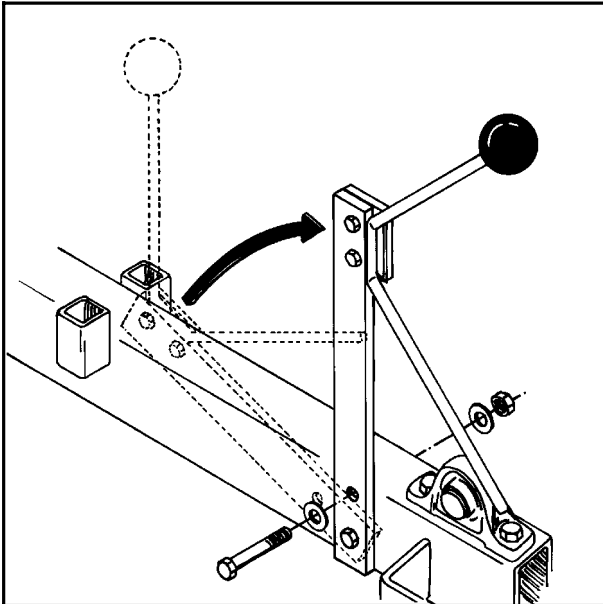


Fig. 4-3

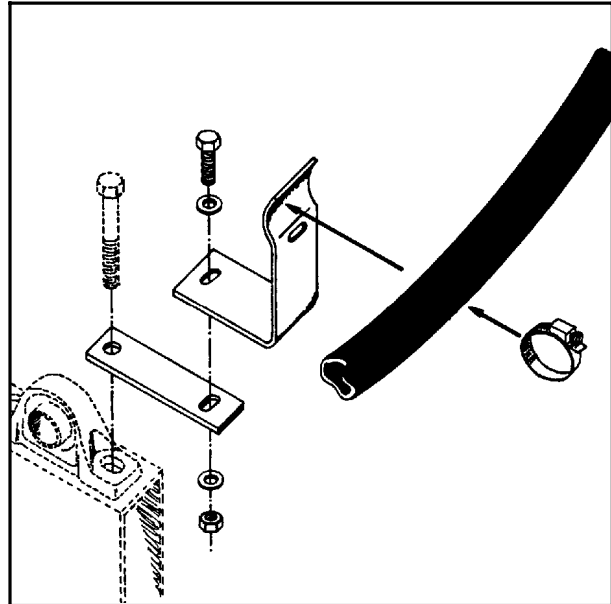


Fig. 4-4

**THE KNIFE** is by delivery fastened to the turntable with one screw. Lift the knife and mount the other one with washers and lock nut as shown in fig. 4-3. Remember the washers to protect the paintwork. Tighten them both.

**OBS! Be careful when handling the knife, it is very sharp!**

**THE PROTECTION RING** is delivered as a coil. Mount the ring together with the small tube and the screws. Fasten the ring to the brackets on the machine with the enclosed hose-clamps. Then mount the plastic covers to the ring with the plastic strips that also is enclosed. See fig. 4-4 and chapter 14 in the spare parts list.

#### 4.2 THREE POINT LINKAGE.

MINI WRAP 600 / 604 is intended for rear mounting to the three point linkage, category 2. When attached to three point linkage, make sure the machine is level across the tractor. Tight up and lock the lifting arms so there is no sideways movement.

Enclosed there is also a set of extra lifting arm bolts that can be used if the machine comes to close to the tractor. Then mount these bolts in the holes at the side of the main frame, and the machine will come a little longer away from the tractor.

#### 4.3 TOP LINK.

Adjust the top link of the tractor so that the machine is level with the ground.

#### 4.4 HYDRAULIC CONNECTION.

The hydraulic hoses between machine and tractor are equipped with 1/2" ISO male quick-couplers. Discharge the oil pressure before you connect the oil hoses. Use the tractors' hydraulic lever. Connect the hoses so that the turntable rotates **counterclockwise**.

To make sure that the balewrapper works properly, the tractors' oil pressure has to be at least 100 bar. If you are unsure of what oil pressure the tractor gives, or what oil pressure the balewrapper receives, please contact your machinery dealer.

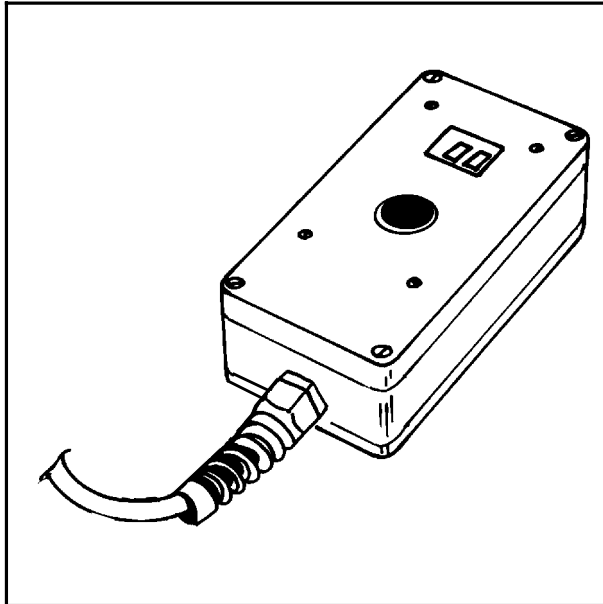


Fig. 4-5

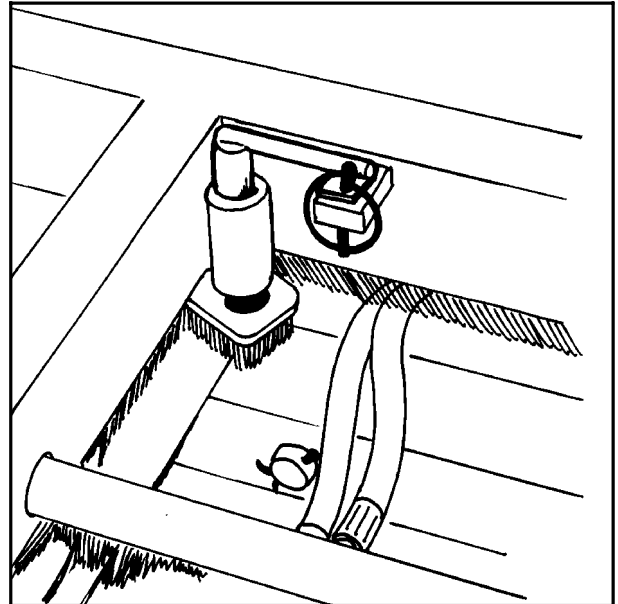


Fig. 4-6

#### 4.5 ELECTRIC CONNECTION.

The counter-unit, (fig. 4-5), for MINI WRAP 600 / 604 is powered by a 9 volts battery inside the box. This battery has to be checked regularly. Remove event. corrosion that prevents good contact. Change the battery if necessary. Remember to store the counter-unit on a dry place. There is a quick-coupler on the cable between the switch and the counter, so it is easy to connect and disconnect. (The battery is automatically disconnected when the counter is disconnected from the machine).

#### 4.6 CHECK LIST.

Before using the machine it is recommended to follow this check list:

1. Make it a habit to discharge the oil-pressure before connection or disconnection of the hydraulic hoses. (Use the tractors hydraulic control lever).
2. Hose with **BLUE CAP = RETURN OIL.**
3. Hose with **RED CAP = PRESSURE.**
4. Tie up loose hoses so that no squeeze damages occur.
5. The transport locking bolt on the turntable has to be set in working position. Lift the bolt and secure it with the linch pin. (See fig. 4-6).
6. Start the tractor and try out the functions. (It shall rotate counterclockwise).
7. Check all connections, hoses and couplings. If there is any oil-leakage, it should be rectified immediately.

**Your MINI WRAP bale wrapper has been tested in practical operation in approx. 2 hours at the factory.**

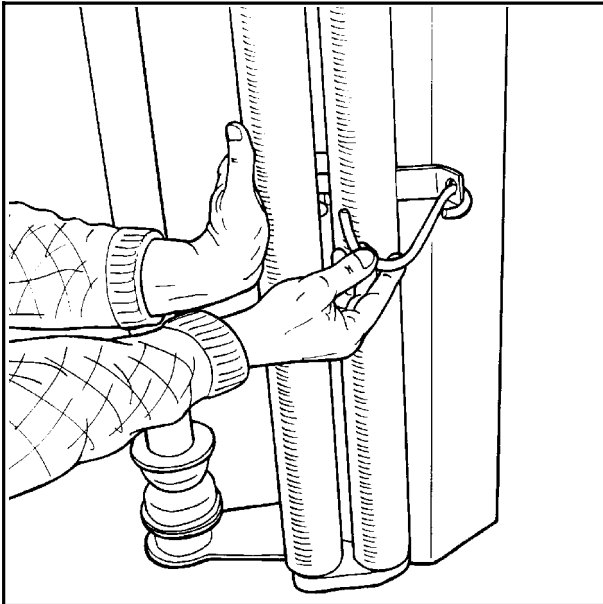


Fig. 5-1

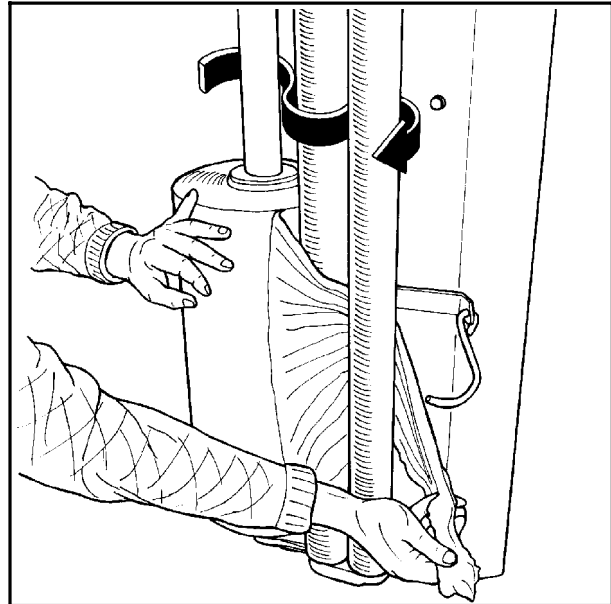


Fig. 5-2

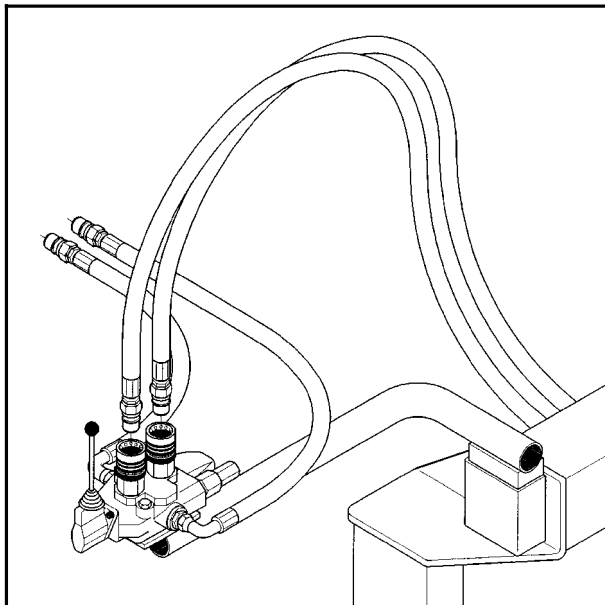
## 5.0 MOUNTING OF PLASTIC FILM.

- 5.1 When the plastic roll shall be mounted, you have to hold the prestretcher-rollers aside, Hold the rollers aside and put on the holding hook. (See fig. 5-1).
- 5.2 Place a reel of film on to the prestretcher's holding axle and put on the springloaded lock.
- 5.3 Pull the film between the rollers on the prestretcher in the direction of the arrow. (See fig. 5-2). (See also the sign on the prestretcher).
- 5.4 Pull out the film and tie it to the bale.

## 5.5 HEIGHT ADJUSTMENT OF PRESTRETCHER / PLASTIC FILM.

The plastic film shall hit at the middle of the bale wrapped, and therefore it can be necessary to adjust the height of the prestretcher. (See more about this in chapter 10.2).

If you use 500 mm plastic on a 750 mm prestrecher, then you can use the two distance sleeves to adjust the height on the plastic roll. There can be mounted one sleeve on each side of the plastic roll, or both sleeves can be mounted above or below.



**Fig. 6-1**

## **6.0 ADJUSTMENT / OPERATING.**

### **6.1 TRANSPORT LOCK.**

Before you start wrapping, the transport locking bolt has to be set in working position. Lift the bolt and secure it with the linch pin. (See fig. 4-6).

### **6.2 SUPPORT ROLLERS.**

Place the bale you want to wrap on top of the rollers. Move the support rollers as tight to the bale as possible. Make sure that the bale is in centre of the rollers.

### **6.3 HEIGHT ADJUSTMENT OF PRESTRETCHER.**

The prestretcher can be placed in seven different positions. Disconnect the locking bolt, and adjust the prestretcher so that the plastic hits in the middle of the bale. Replace the locking bolt and the splint.

The prestretcher-bracket can also be mounted in two different positions. The upper position is for wrapping round bales with a machine equipped with square rollers. (MINI WRAP 604). See chap. 5.5.

### **6.4 REVOLUTION SPEED OF TURNTABLE.**

Start the machine by operating the lever inside the tractor. The speed of the turntable is adjusted by the speed of the tractor engine or how much you move the lever. Adjust this until the turntable speed is approx. 22 revolutions per minute (Just below three seconds per revolution).

The machine can also be equipped with an outside hydraulic lever as shown in fig. 6-1 above. With this valve you can stand beside the machine and operate it.

The machine can also be equipped with a control valve that makes it easier to adjust the speed. Then you can have full opening of the lever and adjust the oil-flow to the machine, and by that adjust the speed of the turntable. This valve is extra equipment.

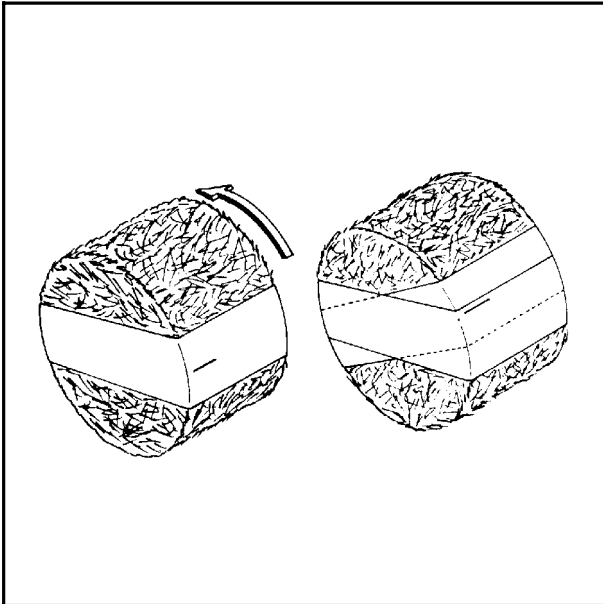


Fig. 6-2

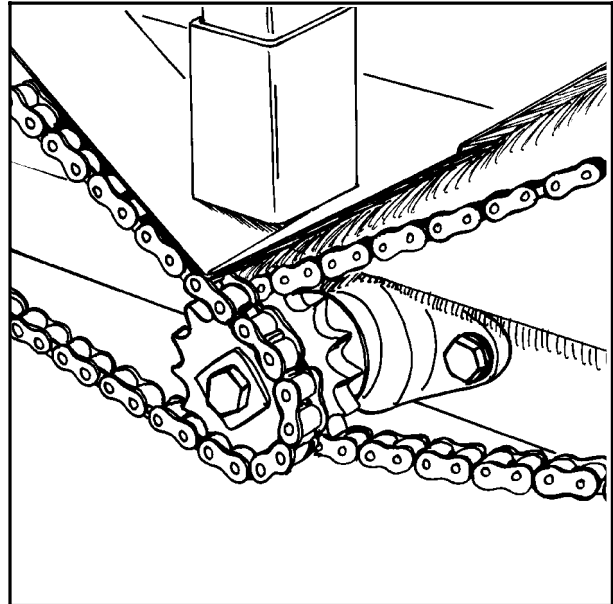


Fig. 6-3

#### 6.5 OVERLAP.

To control the overlap, stop the machine after a few turns. Use a marker to mark a line on the middle of the film wrapped on the bale. By the next turn this line should just be covered. (Fig. 6-2). There are no adjustments for this, but enclosed there are two chainwheels that can be changed on the turntables' main axle if the overlap is too little. (Fig. 6-3).

Remove the chains and the centre bolt on the main axle. Change the chain-wheels, and remove one half-piece on each chain. Then replace the chains and control the overlap again.

## **7.0 OPERATION INSTRUCTION.**

We shall now go through a complete wrapping process, from loading to storage place, and explain the practical use of Mini Wrap 600 / 604.

### **7.1 LOADING.**

Loading a bale on this machine has to be done by another tractor. The machine cannot load the bales on itself. Use a rear- or front-mounted bale spear or a "baleclamp". Place the bale on top of the rollers, as close to the middle as possible. If you are using a spear in centre of the bale, one of the support rollers have to be removed to be able to load the bale. Move both support rollers as close to the bale as possible. If you are loading with a baleclamp, you can place the bale directly on top of the rollers without removing one of the support rollers.

### **7.2 HEIGHT ADJUSTMENT OF PRESTRETCHER.**

The height of the prestretcher has to be adjusted so that the plastic film is always hitting the middle of the bale. (See more about this in chapter 5.5 and 6.3).

### **7.3 WRAPPING SQUARE BALES. (MINI WRAP 604).**

The smallest recommended bale size is 2' x 2', (60 x 60 cm). If the bales are very rectangular, i.e. 2' x 4', (60 x 120 cm), two bales should be placed upon each other and tied together to a bale of 4' x 4', (120 x 120 cm).

MINI WRAP 604 is from the factory delivered with the tines mounted in the middle position. This should suit for wrapping bales of approx. 3' x 3', (90 x 90 cm). If the bales are much bigger or smaller than that, then move the tines. (The ideal is that the film hits on the middle of the bale). Then the chain-covers are to be loosen, and the square unit moved in or out, the chain tensioners adjusted and all screws tightened again.

If you are using a machine with square rollers to wrap round bales, then turn the limit stop. Do this by rotating the limit stop 180°, (pos. 26, chap. 7 in the spare parts list), and tighten the screws again. Also, move the prestretcher-bracket to the upper holes. (See chap. 4.1 and 6.3).

### **7.4 START.**

Remember that the plastic film end must be tied to the bale. This is normally only necessary on the first bale. Operate the hydraulic lever carefully to make a gently start. To quick start can rip off the plastic film, and then it has to be tied again.

### **7.5 OVERLAP.**

Control that the overlap is correct. If not, see chapter 6.5.

## **7.6 HOW MANY LAYERS OF PLASTIC FILM?**

When the bale is completely covered with film, read the counter that displays the number of revolutions done by the turntable. If you don't have a counter, you have to count the revolutions yourself, (or you can measure the time it takes). This number has to be multiplied by 2 or 3, depending on how many layers of film you want to have.

\* **4 layers - multiply by 2.**

\* **6 layers - multiply by 3.**

As long as you wrap bales with the same diameter, you can stop at the same number every time.

## **7.7 STOP / UNLOADING.**

When the wrapping is complete, stop the machine when the tines stand crosswise the tractor. Then pull the rope for the locking mechanism, and lift the machine a little bit. Lift until the bale falls off. The film can stick to the bale, because the knife cuts it off when wrapping the next bale.

## **7.8 NEW BALE.**

Lower the machine down on the ground again, and the locking mechanism gets on. Then place a new bale on top of the rollers, (upon the plastic film from last bale), and start wrapping. Now the plastic film from the last bale will be cut off.

Fastening the film end, if necessary, with some weatherproof tape.

If the plastic film is not being cut off completely, the reason can be that the cutter blade has to be cleaned off, or exchanged. (It is a standard blade for a Hobby-knife).



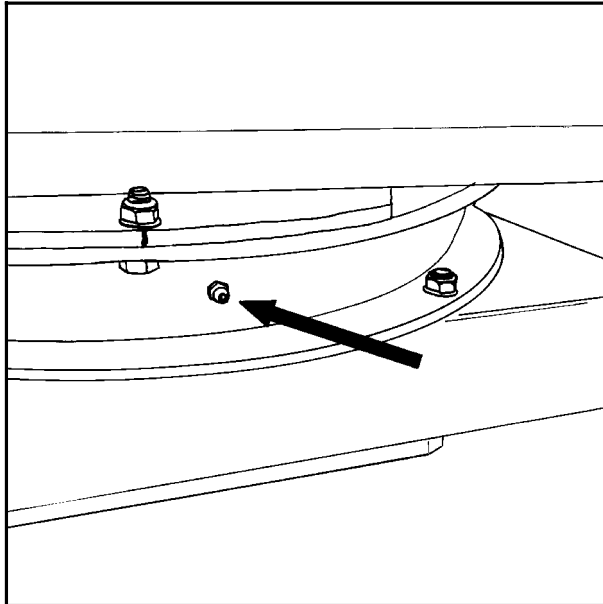


Fig. 8-1

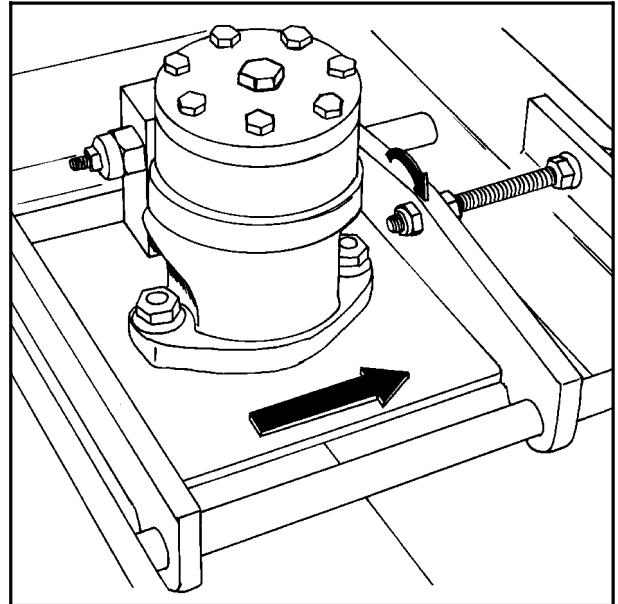


Fig. 8-2

## 8.0 PERIODIC MAINTENANCE.

### 8.1 BEARINGS.

All ball-bearings are packed with grease, and do not need any more maintenance.

### 8.2 PRESTRETCHER.

If the machine is in daily use, the guiding sleeves at the prestretcher should be oiled once a week or when needed. Sprockets and bearings on the prestretcher should also be oiled when needed.

### 8.3 TURNTABLE'S MAIN BEARING.

There are two fixed grease nipples on the turntables' main bearing, which must be greased regularly. (Fig. 8-1).

The pinion in centre of the turntable, (under the cover), should also be greased by as required.

### 8.4 CHAINS.

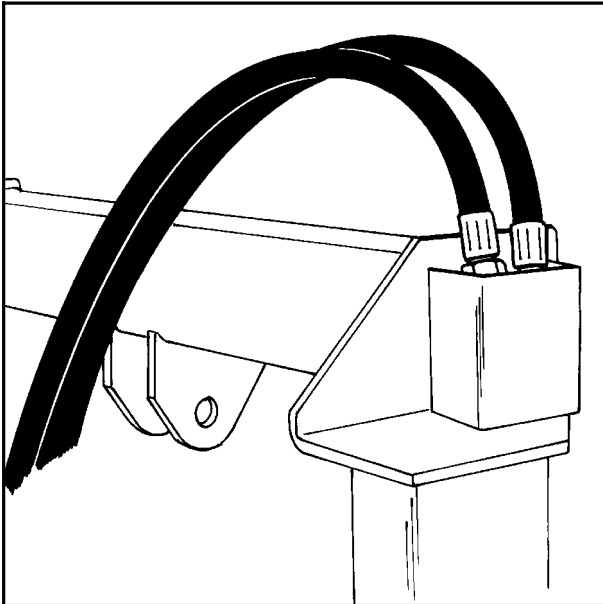
Oil the chains at regular intervals. Take them off once a year for cleaning and oiling. Soak the chains in oil for 2-3 days and afterwards hang up for 10-12 hours to drain.

After some use, the chain from the motor to the turntable has to be adjusted. Unlock the nut on the adjustment screw, and tighten it up while you rotate the turntable by hand. (Fig. 8-2).

**DO NOT TIGHT TOO MUCH, CAUSE THIS WILL INCREASE THE WEARING OF THE BEARINGS.**

**Only for Mini Wrap 604:** (See chap. 7 in the spare parts list).

The chains on the square rollers also have to be adjusted. There is one tensioner on each side. The plastic cover and the screw on the inside, (pos. 14), have to be loosen. Adjust pos. 16 until the chain is tight enough. Tighten pos. 14 again.



**Fig. 8-3**

**8.5 CLEANING.**

The machine should be cleaned and oiled regularly and by the end of the wrapping season.

**NB! When using a steamer, you need to be careful with the electric equipment and bearings. Keep the counter protected from rain or water.**

**8.6 HYDRAULIC CYLINDERS. (Only for RC-models).**

Make sure that the hydraulic cylinder is closed when storing the machine.

**8.7 QUICK COUPLERS.**

Be painstaking by keeping the quick couplers clean and apply the dust caps after use. Hydraulic hoses should be placed in the box on the side of the machine when not in use. (Fig.8-3).

**8.8 STORAGE.**

The machine should be parked on a dry place during the closed season.

## 9.0 FLEX COUNTER REVOLUTION AND WRAP COUNTER

### 9.1 INTRODUCTION

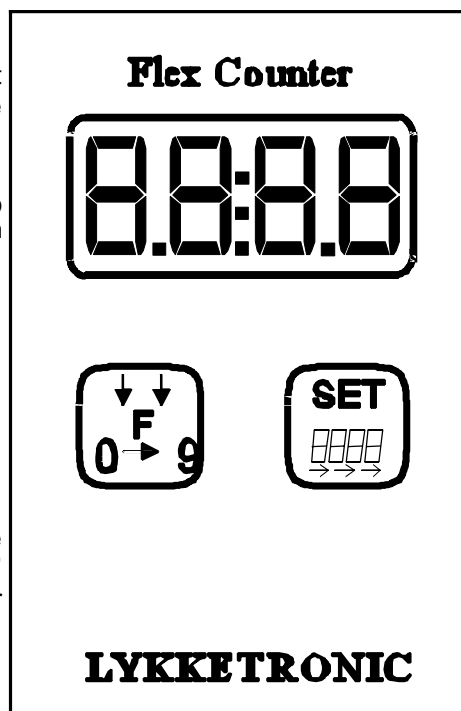
The flex counter is an instrument with many functions. The unit consists of a box with a display and two control keys. Both the display and the control keys are large and easy to use.

The flex counter has six functions,. Which function one choses to use, is selected by depressing the keys on the control box as with the revolutions and bales count (F.6).

The flex counter will hear after be referred to as the computer.





### 9.2 PROGRAMMING THE FLEX COUNTER.

Right below, the programming rules of the Flex Counter are described. Furthermore, the chapter “ The individual functions” gives a more thorough description of the 6 functions and their attached input and output factors.



### 9.3 CHANGING THE FUNCTIONS OF THE FLEX COUNTER.

Changing from one function to another is done in the following manner:

Example : Changing function		
Key	Display	Explanation
	F. 1	The current function is found on the display.
	F. 1	Press the key for app. 2 sec - the function number starts flashing, indicating that its value may be changed.
	F. 6	Push repeatedly until the function number is correct.
	F. 6	Press the key for app. 2 sec - the change is completed.

Furthermore, programming-mode is automatically exited, if the Flex Counter does not receive signals from the keys within a 10 second interval.

**9.4 CHANGING AND RESETTING VALUES.**

As previously mentioned in the introduction, the computer has six functions. The table below shows these functions.

The relationship between functions and input-/output factors.					
			symbol	Change	
		Wheel circumferen.	o	C	00,01 - 999,9 cm
		Working width	[---]	C	00,01 - 99,99 m
F. 3	Unit counter	Units	cou.	R	0,001 - 9999 pcs.
		Counting factor	cou.F	C	0,001 - 9,999 pcs.
F. 4	Revolution counter	Rev. pr. minute	r.		0012 - 9999 rpm
		RPM-hours	--:--	R	00:00 - 9999 hours
F. 5	Working hours	Working hours	--:--	R	00:00 - 9999 hours
F. 6	Wrap counter	Wrap counter	PULLS	R	0 - 99 rev.
		Wrap number	PULLS	C	2 - 99 rev.
		Bales I	bale.1	R	0 - 9999 bales
		Bales II	bale.2	R	0 - 9999 bales

When the computer is used with the AUTO WRAP 4000, the most interesting function will be F.6

The table shows, which values may be changed and which may only be reset. Values that may be changed are indicated by a C. Values that may only be reset are indicated by an R.

If values are to be changed, the function containing the specific value must first be entered. Please refer to the table above.

**9.5 EXAMPLE ON SETTING THE NUMBER OF ROTATIONS PER BALE.**





Remember to set the computer on the correct function (F.6.) Cross ref. with 8.3

Example: changing the revolution per bale from 12 til 31.		
Key	Display	Explanation
	0:12	Press until Pulls is shown on the display. The display shows after a short time the number of revolutions the computer is set too
	12	The key is pressed for app. 2 sec. The number - 1- will flash in the display and the value may be changed.
	32	Press Several times until the value of the first digit is correct.
	32	The second digit flashes indicating that its value may be changed.
	31	.Press Several times until the value of the second digit is correct.
	0:31	The key is pressed for app. 2 sec. programming is complete.

Further more, programming-mode is automatically exited, if the Flex Counter does not receive signals from the keys within a 10 second interval.

### 9.6 EXAMPLE ON RESETTING THE NUMBER OF BALES.

Remember to set the computer on the correct function (F.6.)

Example on resetting the number of bales		
Key	Display	Explanation
	120	Press the key until bale.1 is displayed. The display shows after a short period the number of bales which are wrapped.
	_120	Press the key for app. 2 sec. - the display starts flashing, indicating that its value may be reset.
	__0	Press ones, the display shows a line and a zero.
	0	Press the key for app. 2 sec., leaving programming.

Further more, programming-mode is automatically exited, if the Flex Counter does not receive signals from the keys within a 10 second interval.

The same procedure is used for both bale counters, except for that in the first row the key must be pressed until bale.2 is displayed. The rest of the operation is identical.

### 9.7 DESCRIBING THE FUNCTION “WRAP COUNTER”

The wrap counter has three functions.

1. Revolution counter  
This is a function that monitors the number of rotations the table has taken at any given time. With the help of a sensor and a magnet. The required number of rotations desired per bale may be pre-programmed.
2. Bale counter no. 1.  
This is a function which e.g. counts the number of bales per job or per day.
3. Bale counter no. 2.  
This is a function which e.g. counts the total number of bales for a season.

Bale counters 1 and 2 may be used when and where it is appropriate.


The wrap counter is equipped with one alarm. The alarm is activated:

- \* One rotation before the pre-set required number of rotations is reached. When the next pulse signal is received the alarm stops, but is activated again, if one or more pulses are received.

The values of the bale counters are increased by one when:

- \* The pre-set required number of rotations is reached.

The revolution counter (wrap counter) is reset:

- \* When the required number of rotations has been reached, and the computer does not receive any more pulse signals within a 10 seconds period.
- \* The  -key is pressed while the display shows the wrap number (PULLS function).

**NOTE! If there are to many rotations on one bale, the set-key must be pressed to reset the revolution count.**



## NORSE MINI WRAP 600 / 604

**10.0 SPARE PARTS LIST.**

**When you need spare parts, we recommend that you only use genuine components.**  
(See chapter 10.0, Warranty Terms).

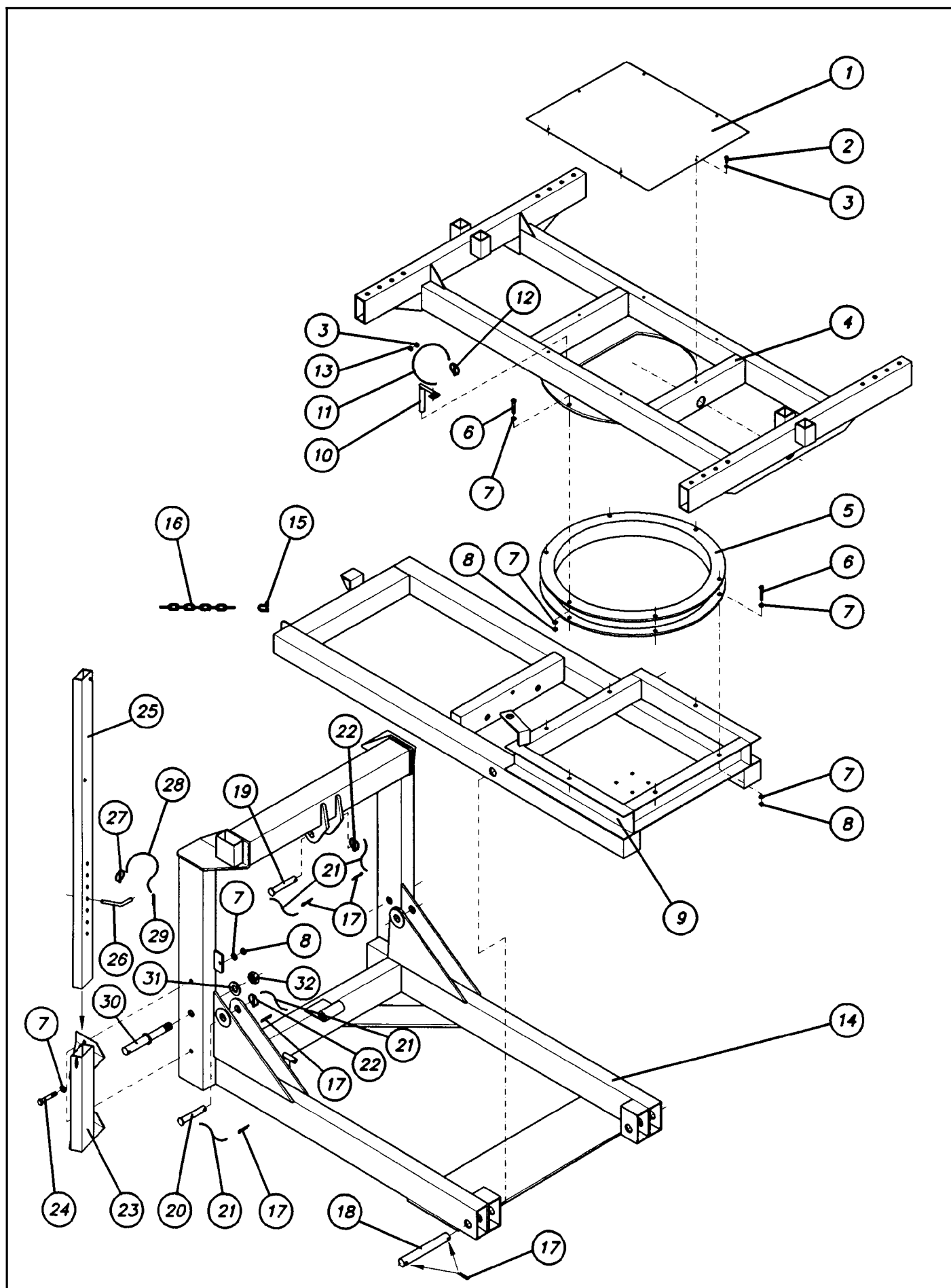
By ordering spare parts, please go on as pointed out below.

- \* Look at the index below. Decide chapter no. where defective part is situated.
- \* On the left page the parts are drawn and marked with position number.
- \* On opposite page the pos. numbers will lead you to correct spare part no. and designation.  
**By ordering, always specify the spare parts completely.**
- \* **IMPORTANT!**  
By ordering, you also have to quote **serialnumber on the machine**, (see sign on the main frame), and type and model of the tractor.

**A CORRECT ORDERING PROCEDURE SAVES TIME AND MONEY.**

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4 TINES WORKING .....	27
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NORSE MINI WRAP 600 / 604



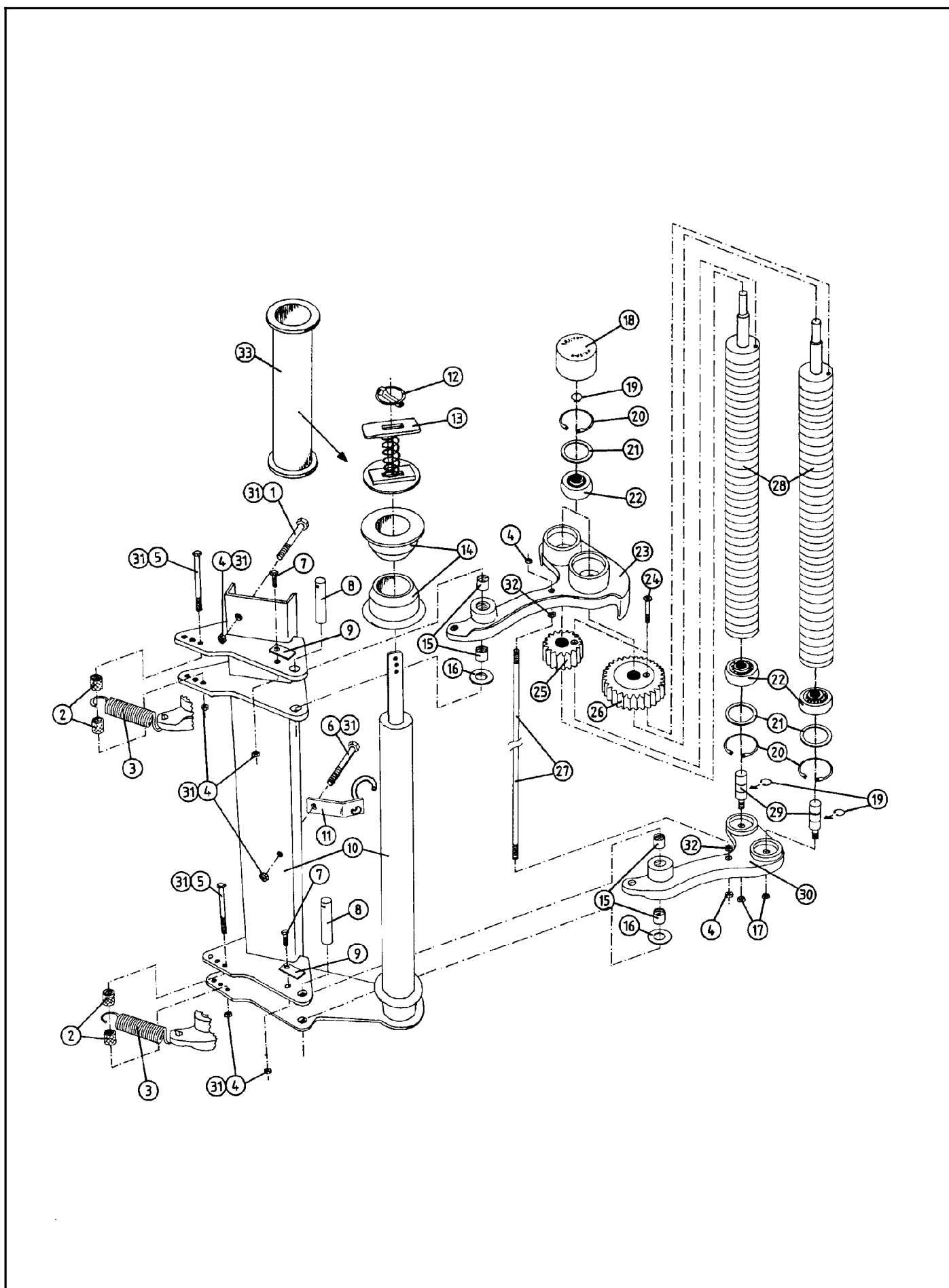


## NORSE MINI WRAP 600 / 604

## CHASSIS / FRAME

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 1)
1	34920567	1	Cover plate for turntable, (92-)	
2	34110092	6	Screw, M6 x 10	
3	34302120	6	Washer, 6 mm	
4	34611355	1	Turntable, (92-)	
5	34321505	1	Main bearing, RA 650 LU	
6	34117200	12	Screw, M10 x 35	
7	34302122	28	Washer, 10 mm	
8	34230900	14	Locking nut, M10	
9	34611353	1	Middle frame, (92-)	
10	34105652	1	Transport safety bolt, $\varnothing 20 \times 100$	
11	34801324	1	Chain 1,5 x 200 mm (w/hooks)	
12	34200000	1	Linch pin, 6mm	
13	34230300	1	Locking nut, M6	
14	34611354	1	Main frame, (92-)	
15	34801321	2	Shackle, 6 mm	
16	34801320	1	Chain, 5 x 510 mm	
17	34220700	10	Split pin, 5 x 40 mm	
18	34105653	2	Hinge bolt, $\varnothing 30 \times 227$	
19	34105635	1	Top stay bolt	
20	34105636	2	Lifting arm bolt	
21	34801310	6	Chain, 1,5 x 250 mm (w/hooks)	
22	34200200	3	Linch pin, 10 mm	
23	34670120	1	Prestretcher bracket	
24	34110019	2	Screw, M10 x 80	
25	34670117	1	Holder for prestretcher	
26	34105647	1	Bolt for prestretcher	
27	34200202	1	Linch pin, 4.5 mm	
28	34801322	1	Chain, 1,5 x 350 mm (w/hooks)	
29	34220200	1	Split pin, 4 x 36	
30	34105654	2	Extra lifting arm bolt	
31	34302127	2	Washer, 24 mm	
32	34233800	2	Locking nut, M24	

NORSE MINI WRAP 600 / 604



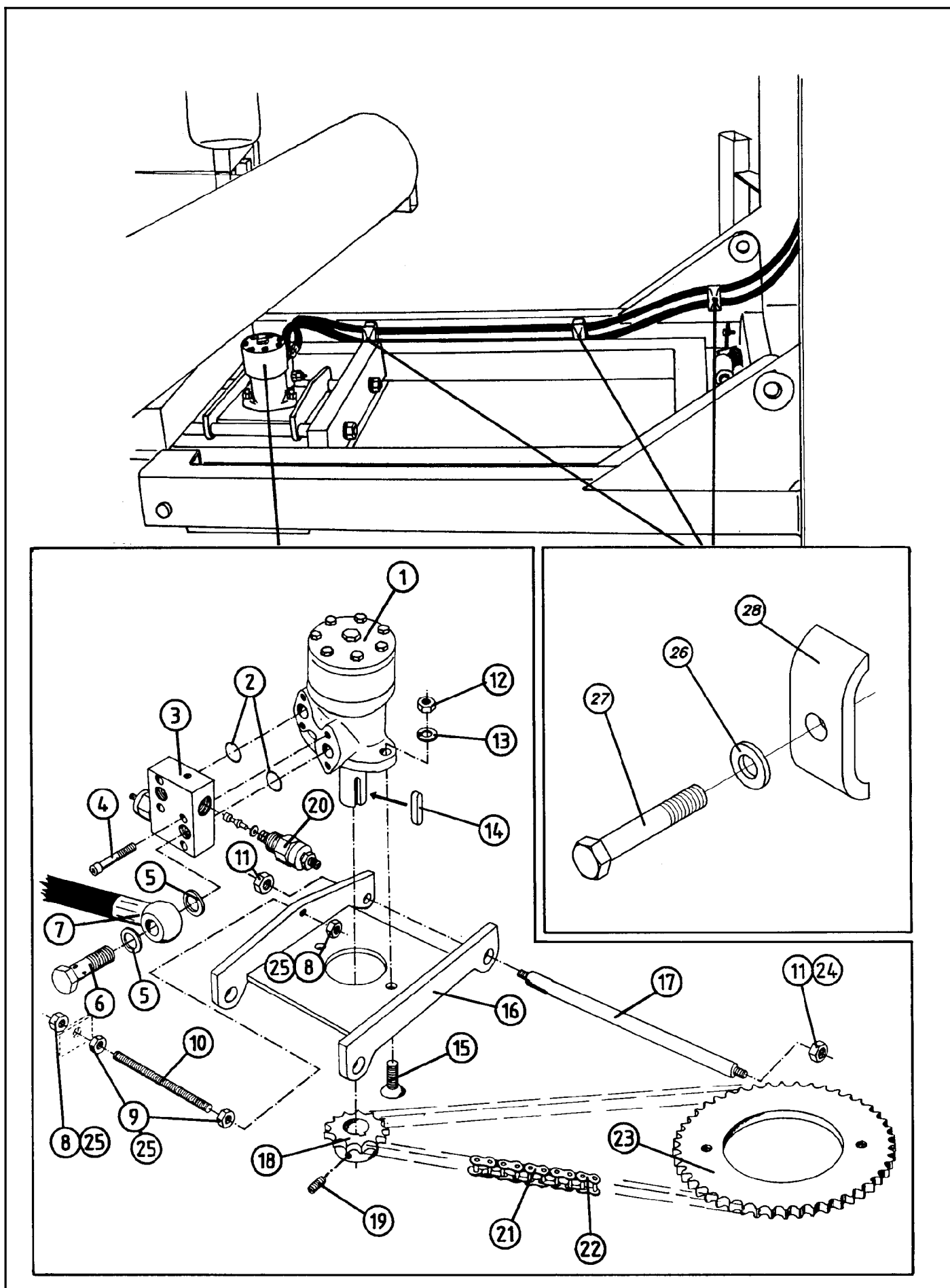
## NORSE MINI WRAP 600 / 604

## PRESTRETCHER

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 2)
	34920516	1	Prestretcher, 50 cm, (1990), complete without hook	
*	34920593	1	Prestretcher, 75 cm, (1993), complete without hook	
	34480011	-	Film roll for Mini Wrap, 50 cm	
*	34480028	-	Film roll for Mini Wrap, 75 cm	
1	34110100	1	Screw, M8 x 60	
2	34460102	4	Plastic sleeve, ø8/10 x 24	
3	34430300	2	Spring, ø26 x 3 x 120	
4	34230500	8	Locking nut, M8	
5	34110007	2	Screw, M8 x 80	
6	34110005	1	Screw, M8 x 65	
7	34110000	2	Screw, M8 x 25	
8	34105627	2	Jointing bolt	
9	34680010	2	Locking piece	
10a	34670108	1	Holder, 50 cm	
*10b	34920582	1	Holder, 75 cm	
11	34660104	1	Hook	
12	34200000	1	Linch pin, 6 mm	
13	34430302	1	Top spring	
14	34480004	2	Guiding sleeve	
15	34320505	4	Casing, ø15/17 x 25 (PAP 1525 P10)	
16	34320506	2	Distance ring, ø32/18 x 1,5 (PAW 18 P10)	
17	34230900	2	Locking nut, M10	
18	34450411	2	Cap, DBI - DUT 57 - M	
19	34240706	4	Locking ring, A 15	
20	34240400	4	Locking ring, I 47	
21	34920512	4	Supporting ring, USIT-RING 36,7-46-2	
22a	34320507	4	Bearing, INA RABR - B 15/47	
22b	34321506	4	Rubber-ring for bearing	
23	34611320	1	Upper link arm	
24	34119013	2	Screw, M6 x 40, unbrako senkehode	
25	34090126	1	Sprocket, 19 - 3	
26	34090125	1	Sprocket, 29 - 3	
27a	34920506	1	Bar, ø8 x 635	
*27b	34920592	1	Bar, ø8 x 885	
28a	34340126	2	Spanner, (stretchroller), 50 cm (94-)	
*28b	34340125	2	Spanner, (stretchroller), 75 cm (94-)	
29	34130230	2	Bearing shaft (94-)	
30	34611321	1	Lower lin arm	
31	34302121	10	Washer, 8 mm	
32	34230400	2	Nut, M8	
*33	34920594	1	Distance sleeve for 50 cm film on a 75 cm prestretcher	

\* Only 75 cm prestretcher

NORSE MINI WRAP 600 / 604

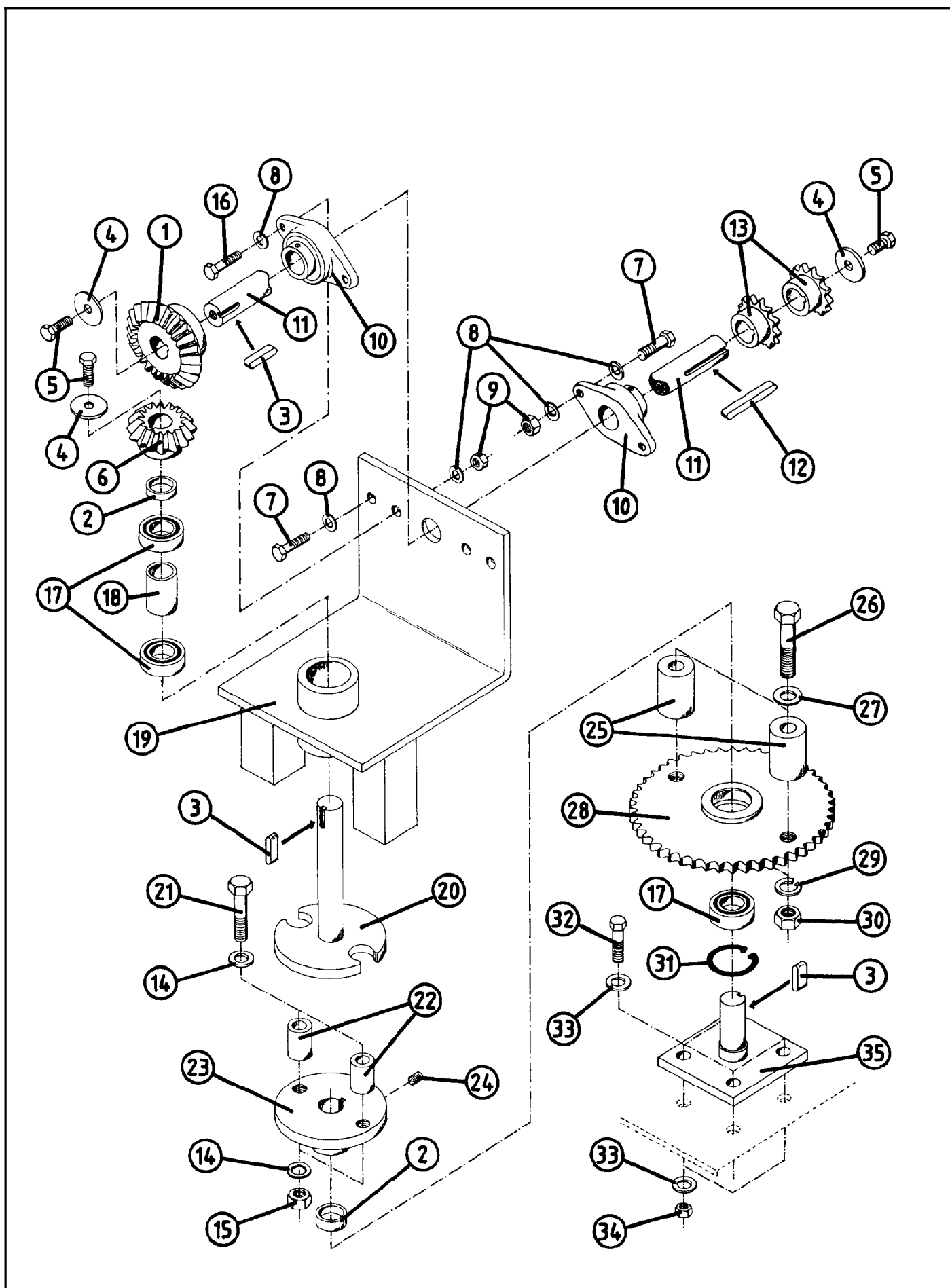


## NORSE MINI WRAP 600 / 604

## HYDRAULIC MOTOR

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 3)
1	34090124	1	Hydraulic motor, GMR 160, ø25 mm	
2	34044015	2	O - ring, 23 x 2.5 mm	
3	34083900	1	Valve block, VA-E06/E-2-FS, cpl.	
4	34119077	4	Insix screw, M8 x 35	
5	34041800	4	Tightening ring, DKAZ, 1/2"	
6	34061936	2	Banjo bolt 1/2" BSP.	
7a	34050003	2	Hose, 3/8" x 3 m	
7b	34071000	2	ISO quick coupling, 1/2", male, 3/8" BSP	
7c	34071700	2	Dust cap, ISO, 1/2"	
7d	34041700	2	Tightening ring, DKAZ, 3/8"	
8	34230900	2	Locking nut, M10	
9	34230800	2	Nut, M10	
10	34119079	1	Thread bar, M10 x 150	
11	34233000	4	Locking nut, M20	
12	34231300	2	Locking nut, M12	
13	34310600	2	Spring washer, 12 mm	
14	34270105	1	Wedge, A8 x 7 x 32 mm	
15	34119039	2	Screw, lower, M12 x 45	
16	34680026	1	Motor bracket	
17	34105646	2	Bolt for motor bracket	
18	34810802	1	Chain wheel, 5/8" - 14 T, (ø25)	
19	34119081	1	Insix screw, M8 x 10	
20a	34087530	2	Cartridge valve, VME 06/E-2-00	
20b	34044061	-	O-ring set for VME 06/E-2-00	
21	34810805	1	Chain, 5/8" - 89 link	
22	34810304	1	Chain sheet, 5/8"	
23	34830102	1	Chain wheel, 5/8" - 48 T, (see also next page)	
24	34302126	4	Washer, 20 mm	
25	34302122	4	Washer, 10 mm	
26	34302121	3	Washer, 8 mm	
27	34110003	3	Screw, M8 x 45	
28	34260205	3	Clamp	

NORSE MINI WRAP 600 / 604

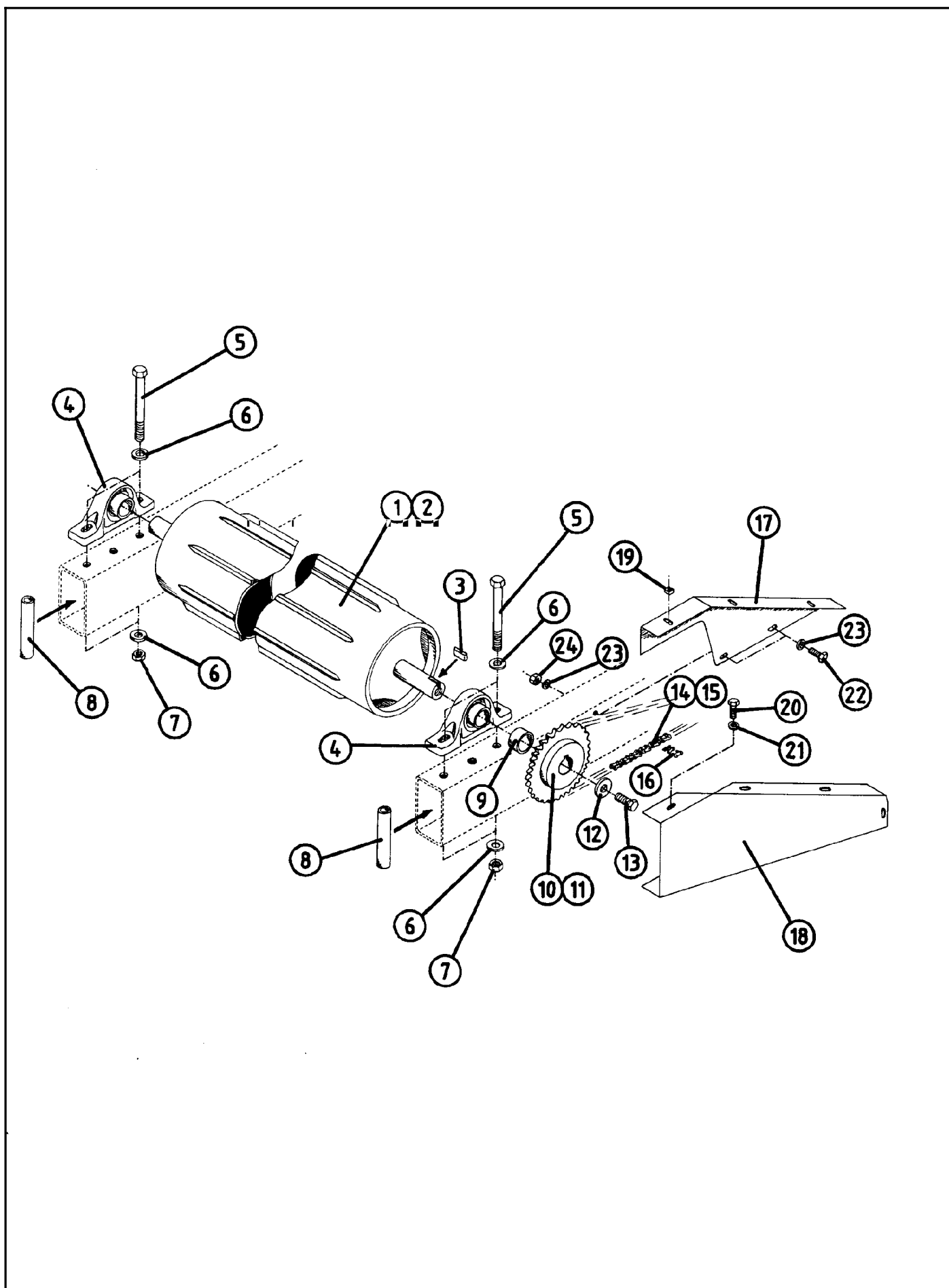


## NORSE MINI WRAP 600 / 604

## TINES WORKING

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 4)
1	34830103	1	Sun gear, 24T, Model 5	
2	34370062	2	Distance ring, $\varnothing 35 \times 2 \times 8$	
3	34270105	3	Wedge, A8 x 7 x 32	
4	34302138	3	Washer, $\varnothing 11 \times 35 \times 3$ mm	
5	34110014	3	Screw, M10 x 20	
6	34830100	1	Planet gear, 16T, Model 5	
7	34117200	4	Screw, M10 x 35	
8	34302122	12	Washer, 10 mm	
9	34230900	6	Locking nut, M10	
10	34321504	2	Flange bearing, FYTB 30 TF	
11	34130221	1	Middle axle	
12	34270107	1	Wedge, A8 x 7 x 60	
13a	34810803	2	Chain wheel, 5/8" - 14 T, ( $\varnothing 30$ )	
13b	34810801	2	Chain wheel, 5/8" - 13 T, ( $\varnothing 30$ )	
14	34302123	4	Washer, 12 mm	
15	34231300	2	Locking nut, M12	
16	34110400	2	Screw, M10 x 50	
17	34321511	3	Ball bearing, 6006 2RS	
18	34370061	1	Distance sleeve, $\varnothing 35 \times 2 \times 36$	
19	34920573	1	Bracket for pinion gear	
20	34130225	1	Axle for pinion gear	
21	34110027	2	Screw, M12 x 50	
22	34370063	2	Carrier sleeve, $\varnothing 30/15 \times 25$	
23	34920574	1	Carrier flange	
24	34119081	1	Insix screw, M8 x 10	
25	34370064	2	Carrier sleeve, $\varnothing 35/17 \times 45$	
26	34111600	2	Screw, M16 x 75	
27	34302125	2	Washer, 16 mm	
28	34830102	1	Chain wheel, 5/8" - 48T	
29	34310800	2	Spring washer, 16 mm	
30	34232000	2	Nut, M16	
31	34240718	1	Locking ring, I 55	
32	34112700	4	Screw, M8 x 30	
33	34302121	8	Washer, 8 mm	
34	34230500	4	Locking nut, M8	
35	34130226	1	Axle for chain wheel	

NORSE MINI WRAP 600 / 604



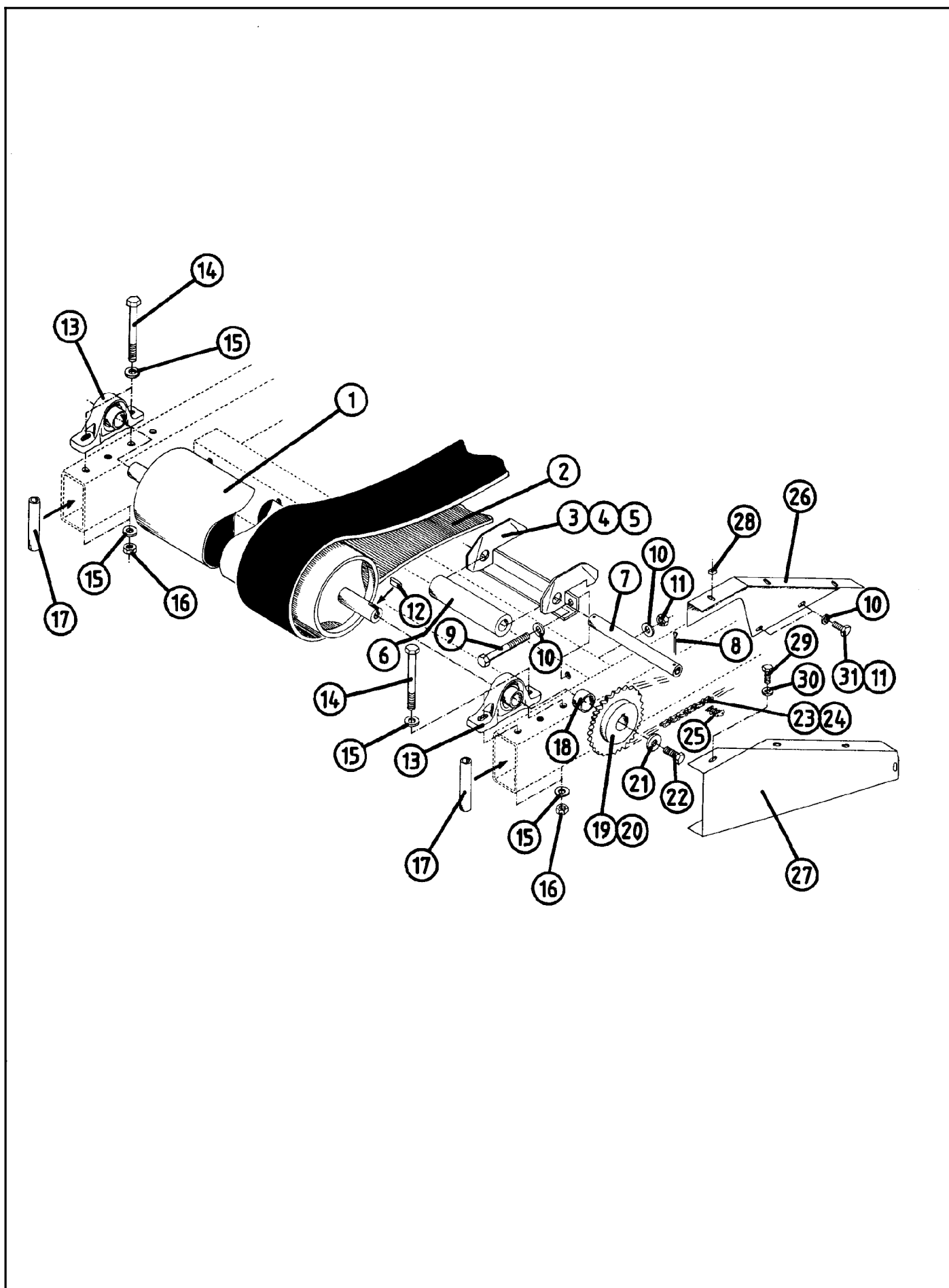


## NORSE MINI WRAP 600 / 604

## STANDARD ROLLERS (600)

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 5)
1a	34340114	1	Roller w/grip bars	
1b	21904555	-	Grip bars for welding	
2	34340115	1	Roller	
3	34270105	2	Wedge, A8 x 7 x 32	
4	34321503	4	Flange bearing, SKF SY 30 TF	
5	34111300	8	Screw, M12 x 140	
6	34302123	16	Washer, 12 mm	
7	34231300	8	Locking nut, M12	
8	34370065	4	Tube sleeve, $\varnothing$ 13/17 x 90	
9	34371400	2	Distance ring, $\varnothing$ 31/35 x 21	
10	34810800	2	Chain wheel, 5/8" x 40 T	
11	34810828	2	Chain wheel, 5/8" x 28T, (for 750 mm prestretcher)	
12	34302138	2	Washer, $\varnothing$ 11/35 x 3	
13	34110014	2	Screw, M10 x 20	
14a	34810805	2	Chain, 5/8" x 89 link	
14b	34818006	2	Chain, 5/8" x 83 link, (for 750 mm prestretcher)	
15	34810807	2	Chain half piece, 5/8"	
16	34810304	2	Chain sheet, 5/8"	
17a	34920568	1	Holder for cover, left	
17b	34920569	1	Holder for cover, right	
18a	34920570	1	Chain cover, left, (92-)	
18b	34920571	1	Chain cover, right, (92-)	
19	34239904	7	Case nut, M6	
20	34117100	7	Screw, M6 x 16	
21	34302120	7	Washer, 6 mm	
22	34110005	4	Screw, M8 x 65	
23	34302121	8	Washer, 8 mm	
24	34230500	4	Locking nut, M8	

NORSE MINI WRAP 600 / 604

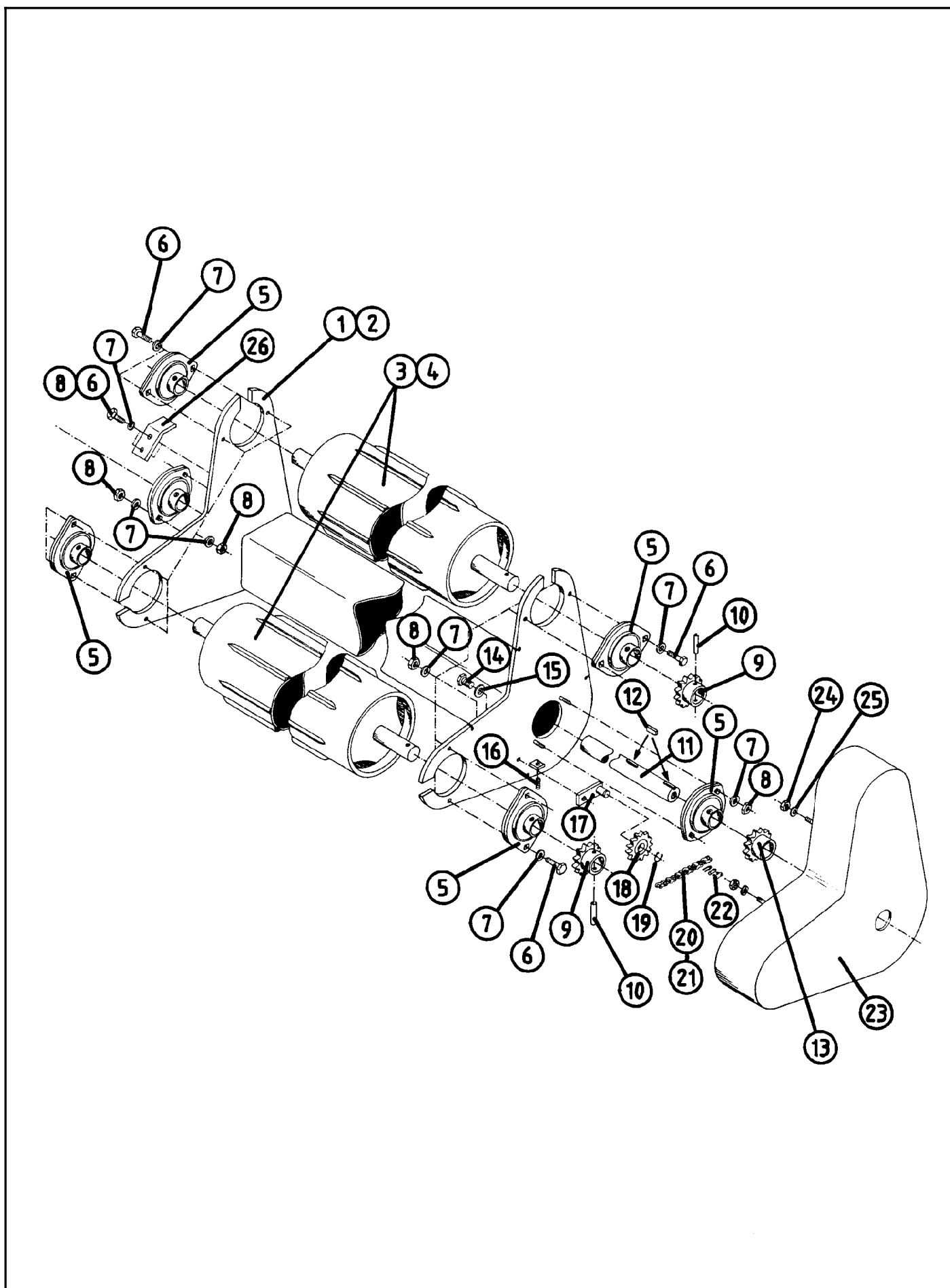


## NORSE MINI WRAP 600 / 604

## BELTS (extra equipment 600)

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 6)
1	34340115	2	Roller	
2	34801327	3	Belt, 250 x 2760 mm	
3	34911042	2	Belt guiding, left	
4	34911041	2	Belt guiding, middle	
5	34911040	2	Belt guiding, right	
6	34911044	6	Plastic roller, $\varnothing$ 30/50 x 290	
7	34911043	6	Roller axle	
8	34220700	12	Split pin, 5 x 40	
9	34110006	12	Screw, M8 x 70	
10	34302121	32	Washer, 8 mm	
11	34230500	16	Locking nut, M8	
12	34270105	2	Wedge, A8 x 7 x 32	
13	34321503	4	Flange bearing, SKF SY 30 TF	
14	34111300	8	Screw, M12 x 140	
15	34302123	16	Washer, 12 mm	
16	34231300	8	Locking nut, M12	
17	34370065	4	Tube sleeve, $\varnothing$ 13/17 x 90	
18	34371400	2	Distance ring, $\varnothing$ 31/35 x 21	
19	34810800	2	Chain wheel, 5/8" x 40 T	
20	34810828	2	Chain wheel, 5/8" x 28T, (for 750 mm prestretcher)	
21	34302138	2	Washer, $\varnothing$ 11/35 x 3	
22	34110014	2	Screw, M10 x 20	
23a	34810805	2	Chain, 5/8" x 89 link	
23b	34818006	2	Chain, 5/8" x 83 link, (for 750 mm prestretcher)	
24	34810807	2	Chain half piece, 5/8"	
25	34810304	2	Chain sheet, 5/8"	
26a	34920568	1	Holder for cover, left	
26b	34920569	1	Holder for cover, right	
27a	34920570	1	Chain cover, left, (92-)	
27b	34920571	1	Chain cover, right, (92-)	
28	34239904	7	Case nut, M6	
29	34117100	7	Screw, M6 x 16	
30	34302120	7	Washer, 6 mm	
31	34110005	4	Screw, M8 x 65	

NORSE MINI WRAP 600 / 604

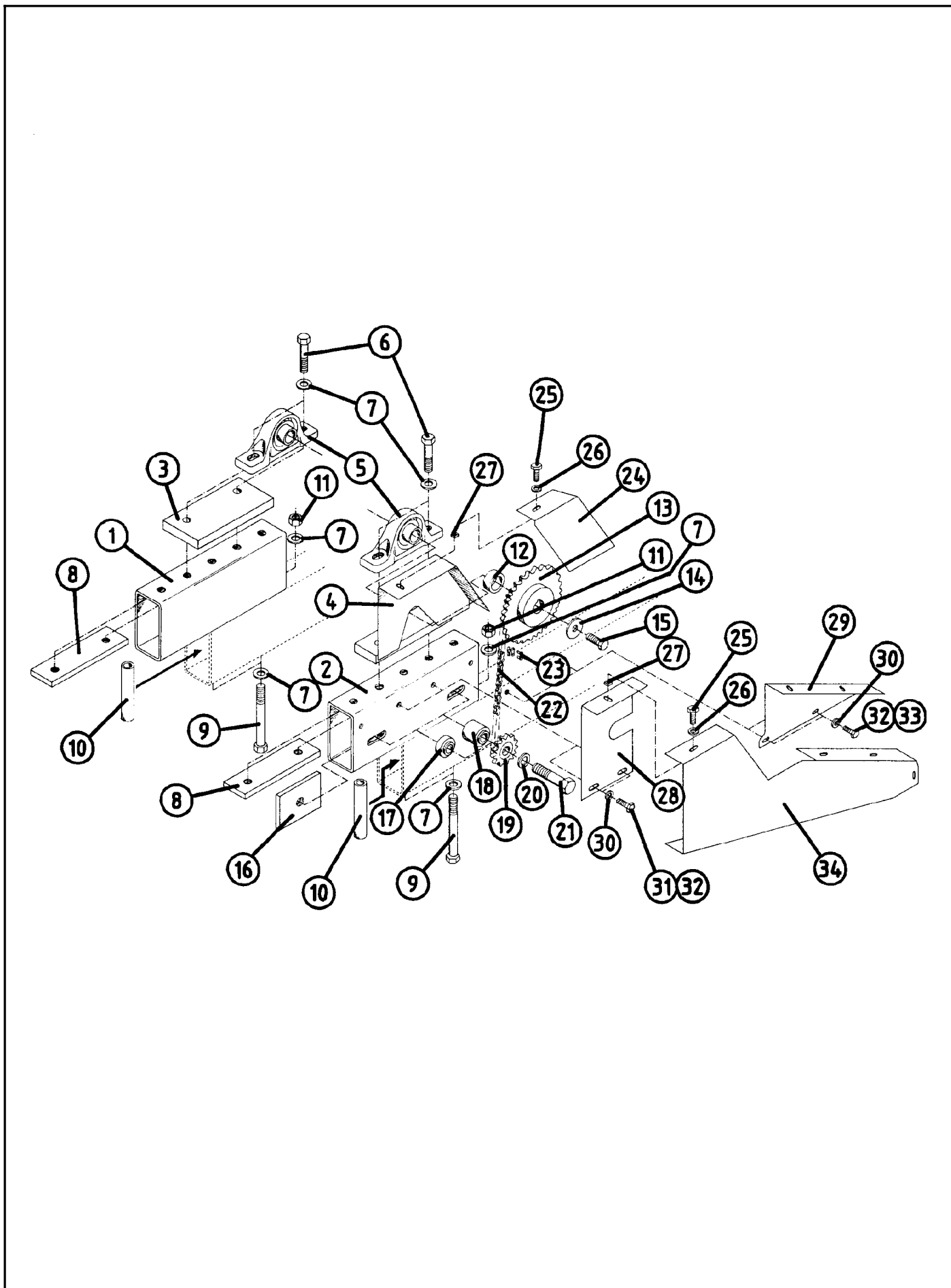


## NORSE MINI WRAP 600 / 604

## SQUARE ROLLERS (604)

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 7)
1	34911034	1	Frame, left	
2	34911035	1	Frame, right	
3a	34911033	2	Roller w/grip bars	
3b	21904351	-	Grip bars for welding	
4	34911032	2	Roller	
5	34321512	12	Bearing w/house, SKF PFT 30TF	
6	34110300	16	Screw, M10 x 30	
7	34302122	40	Washer, 10 mm	
8	34230900	24	Locking nut, M10	
9	34810811	4	Chain wheel, 5/8" - 14 T	
10	34221400	4	Spring pin, 10 x 50	
11	34130228	2	Center axle	
12	34270105	4	Wedge, A8 x 7 x 32	
13	34810803	2	Chain wheel for wedge, 5/8" - 14T	
14	34115800	2	Screw, M12 x 25	
15	34302123	1	Washer, 12 mm	
16	34119086	2	Insix screw, M10 x 40	
17	34810813	2	Tension arm	
18	34810814	6	Tension wheel w/bearing	
19	34240713	2	Locking ring, A 17	
20	34810821	2	Chain, 5/8" x 81 link	
21	34810807	2	Chain half piece, 5/8"	
22	34810304	2	Chain sheet, 5/8"	
23	34851209	2	Plastic chain cover	
24	34230300	8	Locking nut, M6	
25	34302120	8	Washer, 6 mm	
26	34380509	2	Limit stop for round bales	

NORSE MINI WRAP 600 / 604

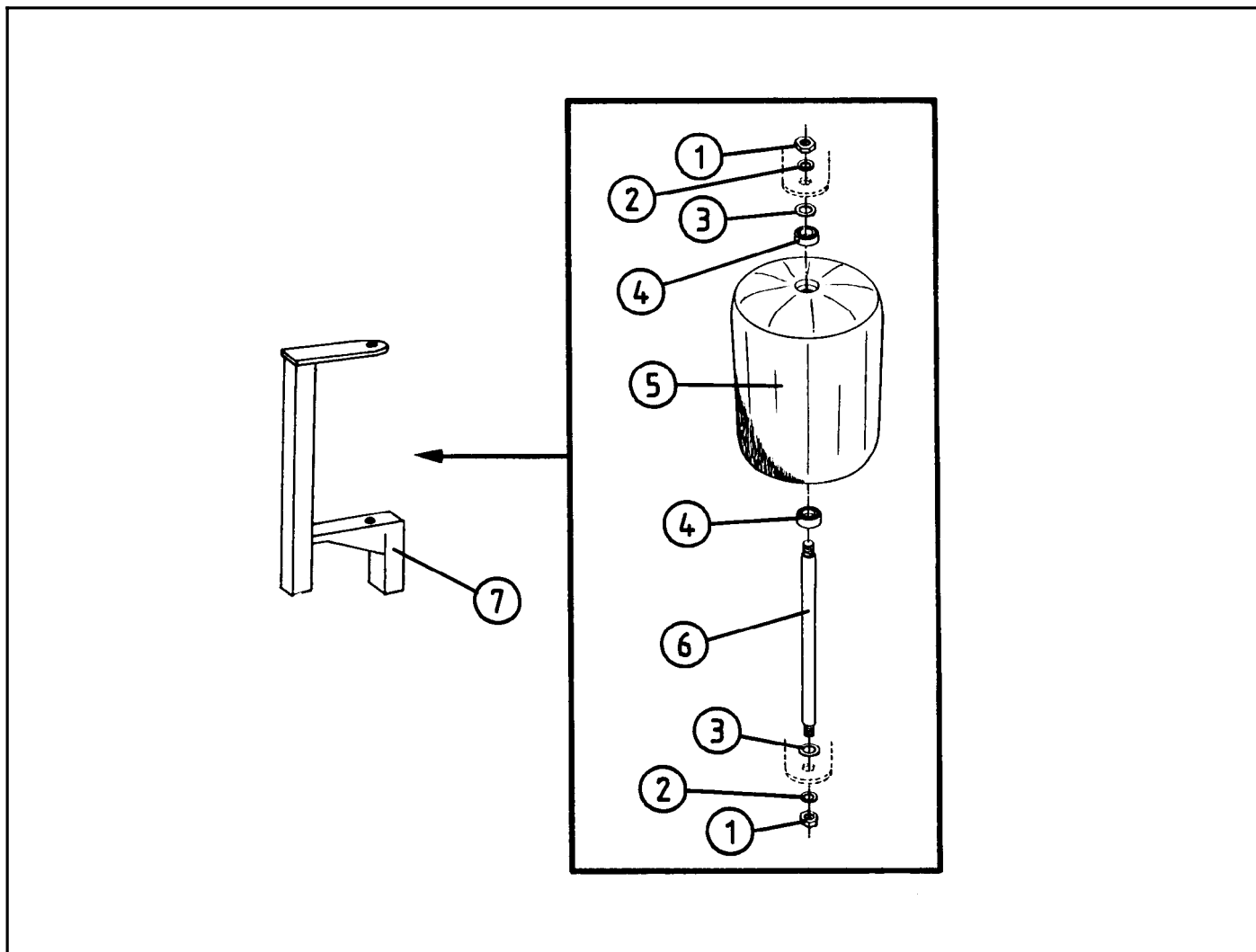


## NORSE MINI WRAP 600 / 604

## BRACKETS / COVERS FOR SQUARE ROLLERS (604)

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 8)
1	34680031	2	Bracket	
2	34680032	2	Bracket for tension wheel	
3	34911037	2	Foot / limit stop plate	
4a	34851216	1	Holder for cover 3, left	
4b	34851217	1	Holder for cover 3, right	
5	34321503	4	Flange bearing, SKF SY 30 TF	
6	34114600	8	Screw, M12 x 60	
7	34302123	24	Washer, 12 mm	
8	34251417	4	Squeeze plate, M12	
9	34111100	8	Screw, M12 x 120	
10	34370065	4	Tube sleeve, $\varnothing$ 13/17 x 90	
11	34231300	8	Locking nut, M12	
12	34371400	2	Distance ring, $\varnothing$ 31/35 x 21	
13	34810819	2	Chain wheel, 5/8" - 32 T	
14	34302138	2	Washer, 11/35 x 3	
15	34110014	2	Screw, M10 x 20	
16	34251418	4	Thread plate, M16	
17	34371414	2	Distance sleeve, 12,5 mm (left side)	
18	34371413	2	Distance sleeve, 38,5 mm (right side)	
19	34810814	4	Tension wheel w/bearing	
20	34302125	4	Washer, 16 mm	
21a	34118300	2	Screw, M16 x 40	
21b	34118800	2	Screw, M16 x 70	
22	34810820	2	Chain, 5/8" x 107 link	
23	34810304	2	Chain sheet, 5/8"	
24a	34851218	1	Cover no. 3, left	
24b	34851219	1	Cover no. 3, right	
25	34117100	11	Screw, M6 x 16	
26	34302120	11	Washer, 6 mm	
27	34239904	11	Case nut, M6	
28a	34851214	1	Cover holder, left	
28b	34851215	1	Cover holder, right	
29a	34851212	1	Holder for cover 1, left	
29b	34851213	1	Holder for cover 1, right	
30	34302121	16	Washer, 8 mm	
31	34116900	4	Screw, M8 x 20	
32	34230500	8	Locking nut, M8	
33	34110005	4	Screw, M8 x 65	
34a	34851220	1	Cover no. 1, left	
34b	34851221	1	Cover no. 1, right	

NORSE MINI WRAP 600 / 604

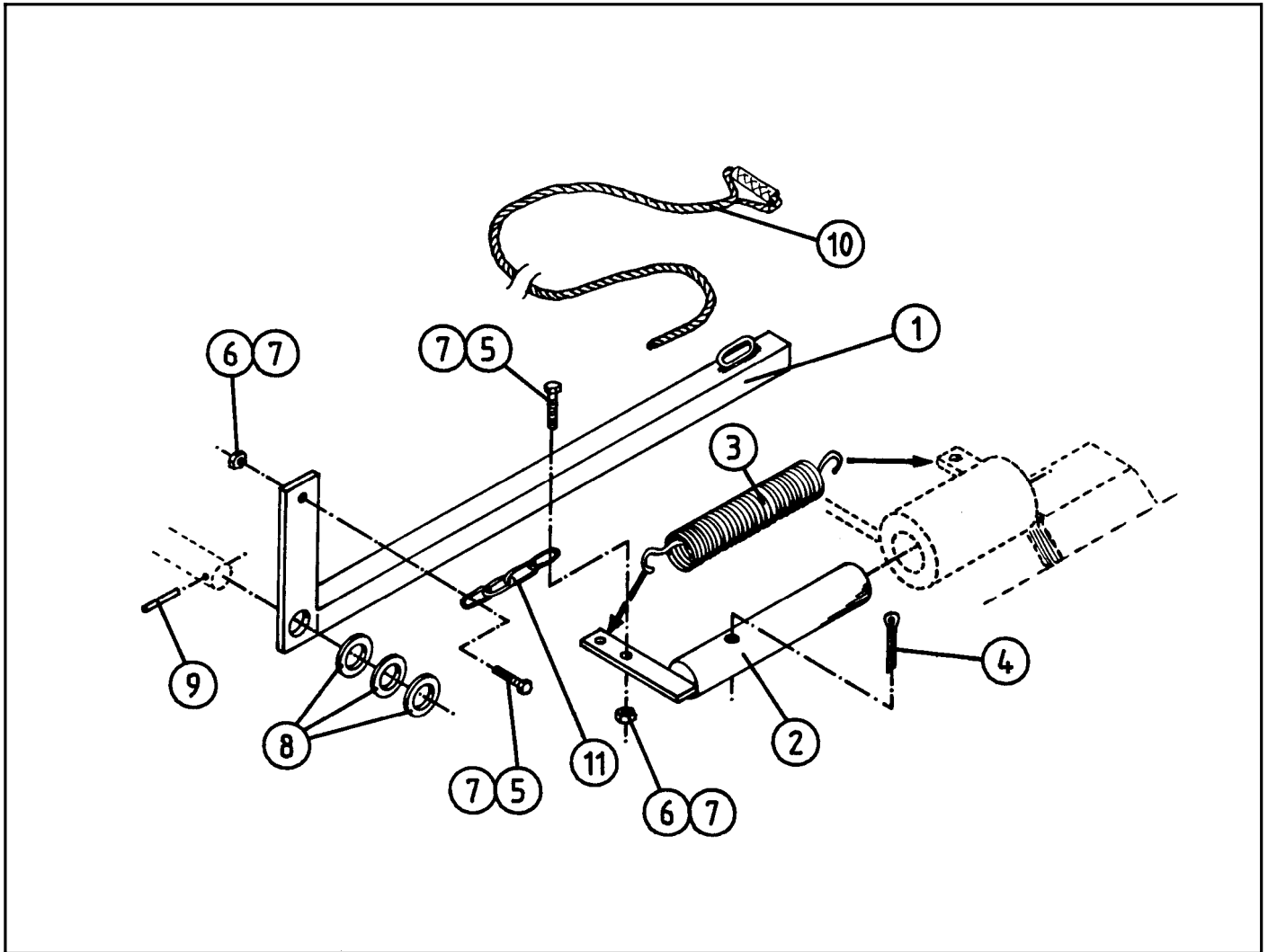


**SUPPORT ROLLERS**

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600 - 9)
1	34230900	4	Locking nut, M10	
2	34302122	4	Washer, 10 mm	
3	34044000	4	Ring, $\varnothing 17.4 \times 24 \times 1.5$	
4	34320515	4	Ball bearing, 6003 2 RS	
5	34340107	2	Support roller, $\varnothing 200$	
6	34130213	2	Bolt for roller	
7	34340116	2	Support roller bracket	



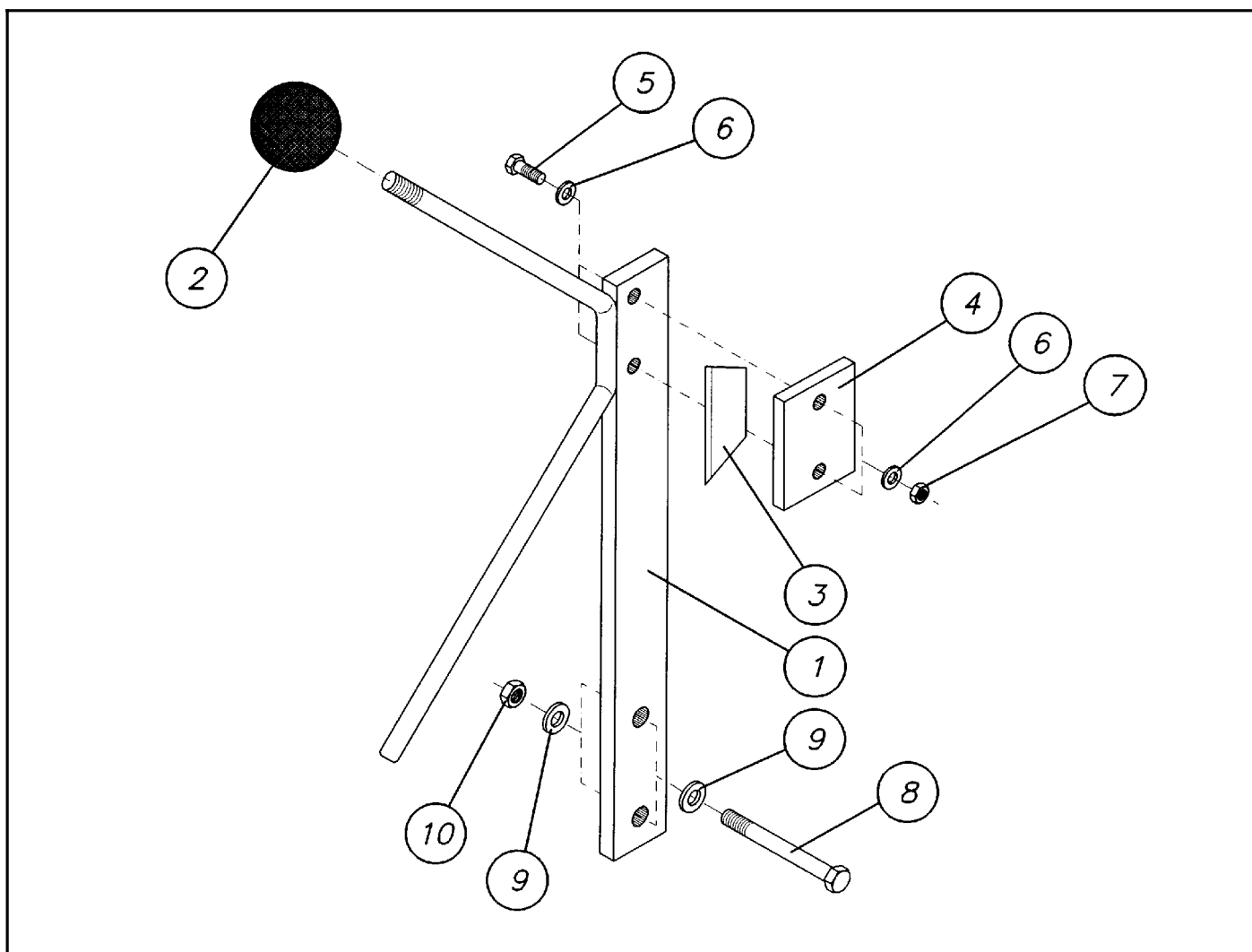
NORSE MINI WRAP 600 / 604



RELEASING MECHANISM

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600-10)
1	34920572	1	Releasing arm	
2	34105655	1	Releasing bolt, $\varnothing 25 \times 150$	
3	34430300	1	Spring, $\varnothing 26 \times 3 \times 120$	
4	34220300	1	Split pin, 8 x 40	
5	34110083	2	Screw, M6 x 20	
6	34230300	2	Locking nut, M6	
7	34302120	4	Washer, 6 mm	
8	34302125	3	Washer, 16 mm	
9	34220000	1	Spring pin, 5 x 32	
10	34820006	1	Releasing cord	
11	34801323	1	Chain, 4 mm - 4 link	

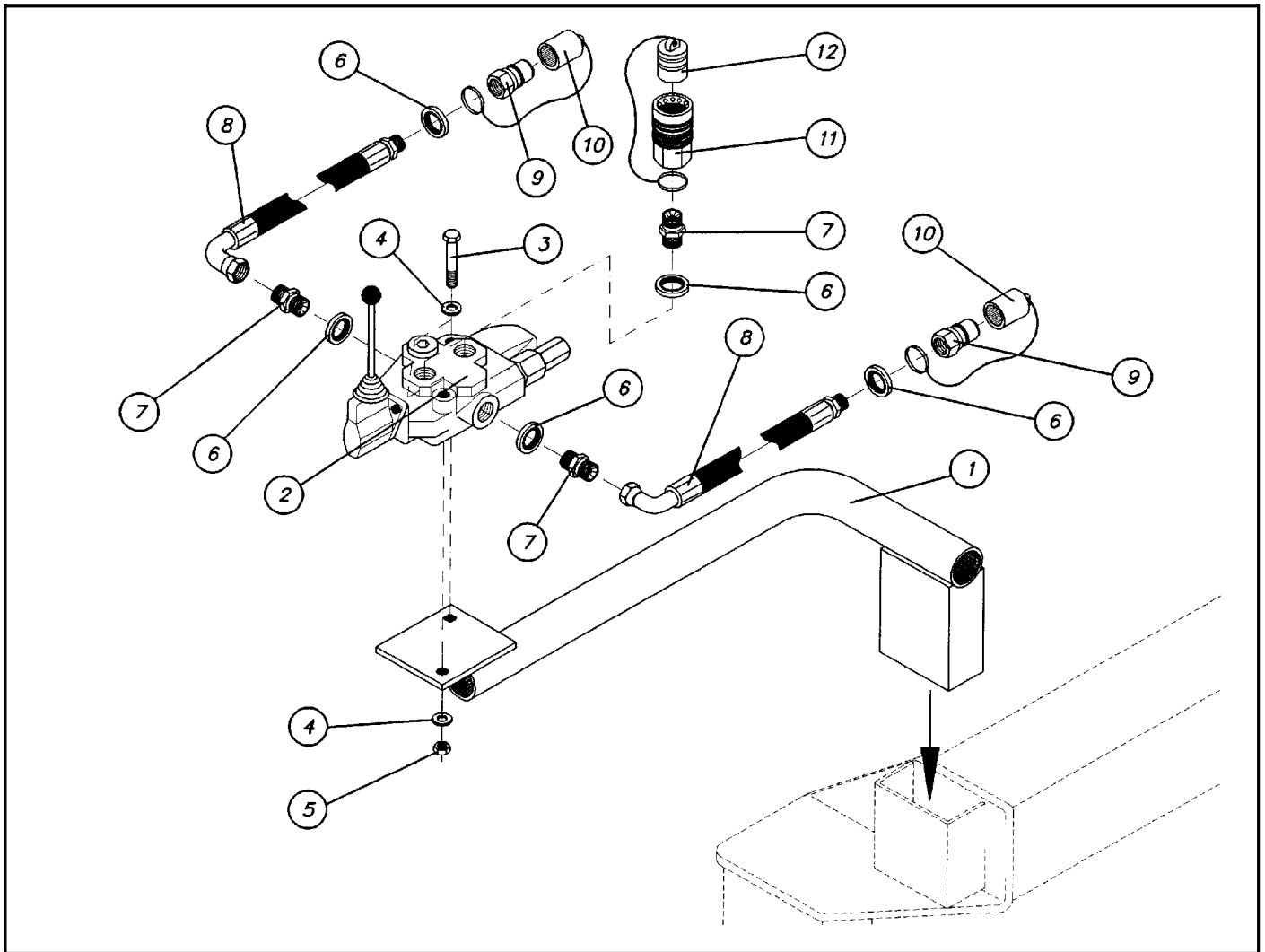
NORSE MINI WRAP 600 / 604



CUTTER

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600-11)
1	34920566	1	Holder for film collector	
2	34480018	1	Ball handle, M10	
3	34911038	2	Cutter blade, Hobby	
4	34251431	1	Cutter holder	
5	34117000	2	Screw, M6 x 25	
6	34302120	4	Washer, 6 mm	
7	34230300	2	Locking nut, M6	
8	34110200	2	Screw, M8 x 75	
9	34302121	4	Washer, 8 mm	
10	34230500	2	Locking nut, M8	

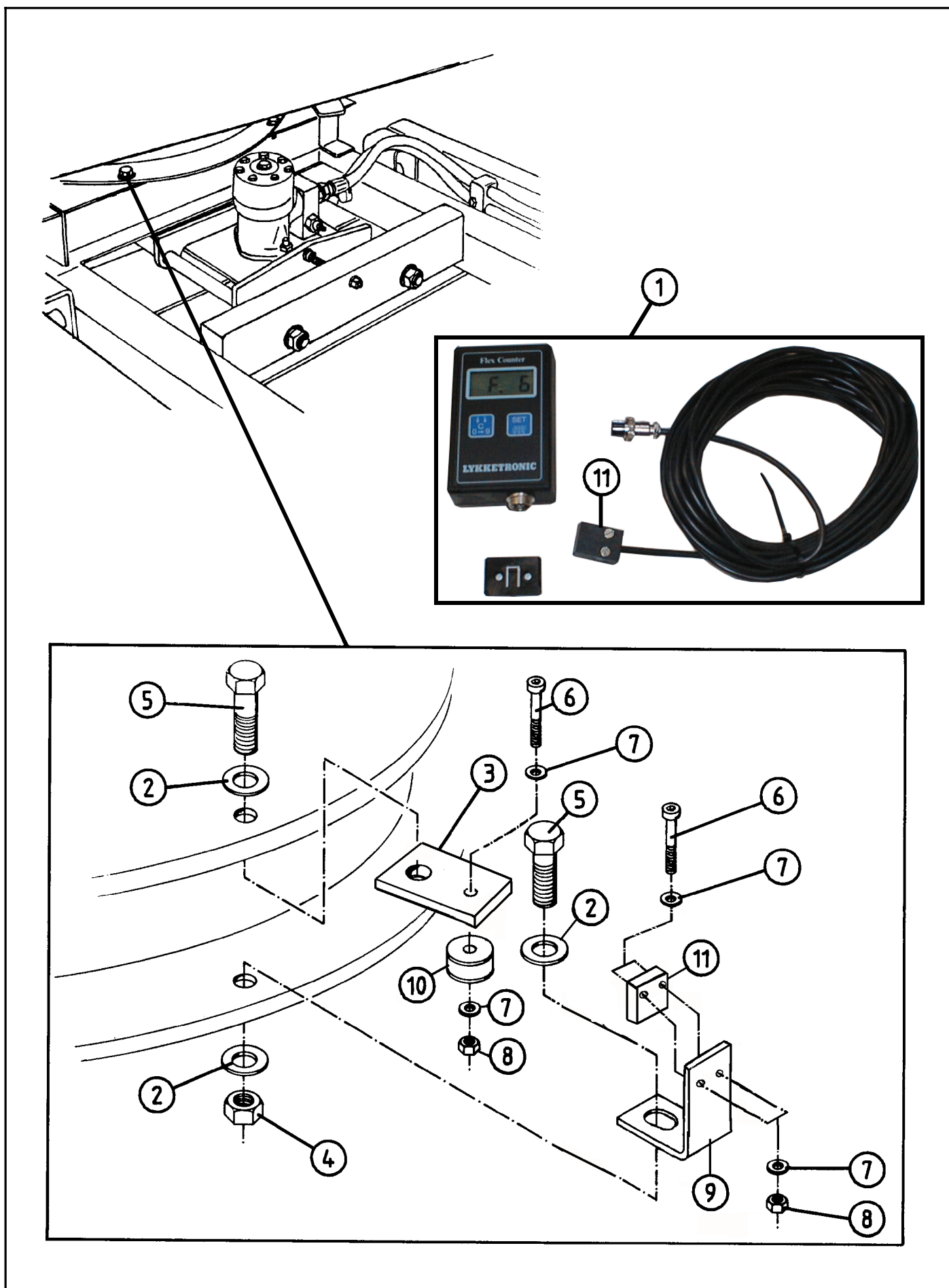
NORSE MINI WRAP 600 / 604



**OUTSIDE HYDRAULIC LEVER (extra equipment)**

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600-12)
	<b>35100110</b>	-	<b>MOUNTING SET, OUTSIDE HYDRAULIC LEVER, COMPLETE</b>	
1	34670126	1	Holder	
2	34087551	2	Valve, Roquet, 102 N1P	
3	34110100	2	Screw, M8 x 60	
4	34302121	4	Washer, 8 mm	
5	34230500	2	Locking nut, M8	
6	34041700	6	Tightening ring, DKAZ, 3/8"	
7	34060100	4	Fitting, 3/8" x 3/8"	
8	34051813	2	Hose, 3/8" x 2000 mm	
9	34071000	2	ISO quick coupling, 1/2" male, 3/8" BSP	
10	34071700	2	Dust cap, ISO, 1/2"	
11	34071100	2	ISO quick coupling, 1/2" female, 3/8" BSP	
12	34071600	2	Dust plug, ISO, 1/2"	

NORSE MINI WRAP 600 / 604

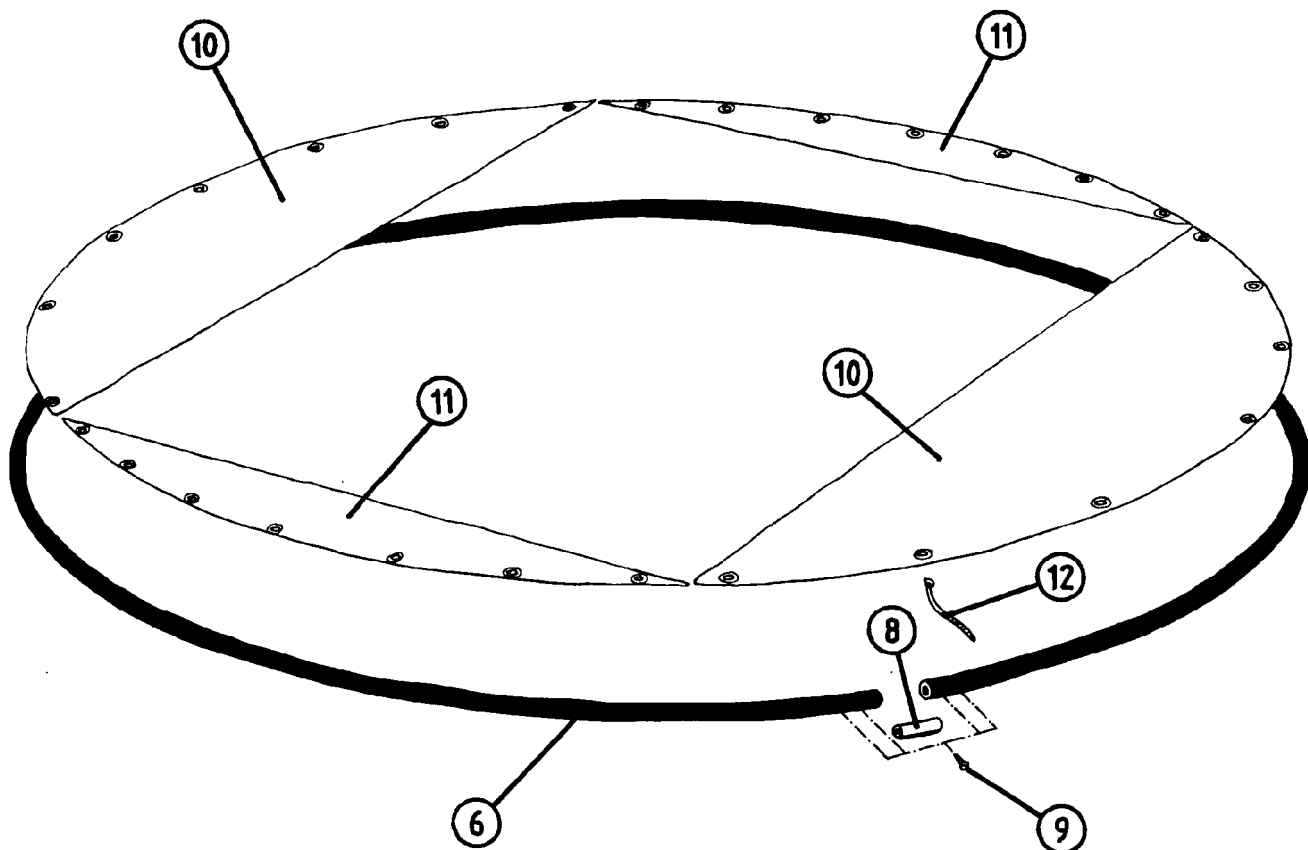
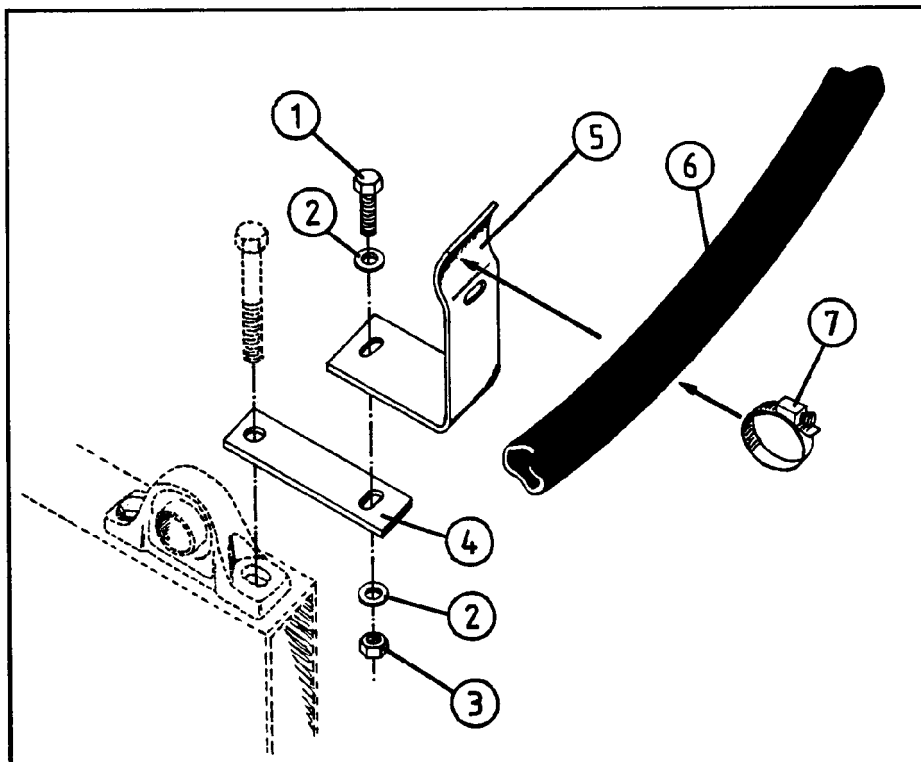


## NORSE MINI WRAP 600 / 604

## REVOLUTIONS COUNTER (extra equipment)

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600-13)
1	34951417	1	Counter, Lykketronic	
2	34302122	3	Washer, 10 mm	
3	34670135	1	Magnet holder	
4	34230900	1	Locking nut, M10	
5	34117200	2	Screw, M10 x 35	
6	34119084	3	Screw, insix, M4 x 30	
7	34302140	6	Washer, 4 mm	
8	34238900	3	Locking nut, M4	
9	34670134	1	Bracket for sensor	
10	34950422	1	Magnet	
11	34951423	1	Magnet w/1M cable	

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## NORSE MINI WRAP 600 / 604

## PROTECTION RING

POS.	ART. NO.	NO.	TERM - TYPE - DIMENSION	(600-14)
	<b>35100200</b>	<b>1</b>	<b>MOUNTING SET, PROTECTION RING, COMPLETE</b>	
1	34116900	4	Screw, M8 x 20	
2	34302121	8	Washer, 8 mm	
3	34230500	4	Locking nut, M8	
4	34670119	4	Holder	
5	34680029	4	Bracket	
6	34460107	1	Plastic hose, ø32 x 6850	
7	34260204	4	Hose clamp, ø 25-40	
8	34460108	1	Plastic hose, ø25 x 200	
9	34119085	4	Screw, 3,5 x 16	
10	34450427	2	Plastic cover, big	
11	34450426	2	Plastic cover, small	
12	34450438	32	Strips, 180 x 7,8	

## 11.0 WARRANTY TERMS.

11.1 TELLEFSDAL A.S. warrants the MINI WRAP 600 / 604 bale wrapping machines for 12 full months from the date of purchase.

11.2 During the warranty period: TELLEFSDAL A.S. will repair, replace or test any parts proved to be defective in material or construction.

11.3 Before comprehensive warranty services are done, the warranty claim has to be agreed upon with TELLEFSDAL A.S.

By approval of warranty claims TELLEFSDAL A.S covers all repair costs.

Freight costs and all personal travel costs are normally the responsibility of the dealer.

Before repairing the machine locally the terms of compensation have to be agreed upon between the buyer and the manufacturer.

Compensation for defective parts corresponds to the current spare parts price-list, minus normal discount.

If the warranty claim should be rejected, TELLEFSDAL A.S is not responsible for expenses incurred.

11.4 All claims **must be presented in written form**, on a fixed NOTICE OF CLAIM, and enclosed a copy of the warranty card, properly filled in. Guarantee claimed parts also have to be enclosed. All return shall be agreed upon before sending, and marked with serial number on the machine and the name and address of the dealer. Freight costs for returned parts have to be payed by the buyer.

11.5 The NORSE warrantee is **NOT** valid if:

- A) The warrantee card has not been filled out and a copy is not enclosed with the claim.
- B) The user's manual and safety instructions have not been followed.
- C) The machine has been misused, abused or carelessly operated.
- D) The machine is modified by welding or by attachments of not original parts and pieces. It has been serviced by persons, who are unauthorized by TELLEFSDAL A.S.

11.6 TELLEFSDAL A.S IS NOT responsible for lost working time or lost revenue that has resulted because of a defect in the machine.

11.7 The buyer can not claim a cancellation of the purchase, a price-reduction or any other claims, if TELLEFSDAL A.S, within reasonable time, repairs the machine.

11.8 The buyer is granted credit on warranty claims AFTER approval from TELLEFSDAL A.S. Deductions of credits on current invoices is not accepted without prior agreement.



# WARRANTY CARD MINI WRAP

Serial number of machine: \_\_\_\_\_

Type: \_\_\_\_\_  
\_\_\_\_\_

Serial number of control unit: \_\_\_\_\_

Production year: \_\_\_\_\_

Purchase date: \_\_\_\_\_

**WE HAVE READ AND ACCEPT THE CURRENT WARRANTY TERMS.**

Importer: \_\_\_\_\_

—

Date

Firm

Signature

Dealer: \_\_\_\_\_

—

Date

Firm

Signature

Customer: \_\_\_\_\_

—

Name

Address

—

Signature

**HAVE YOU GOT ENOUGH TRAINING ABOUT  
THE MACHINE FROM YOUR DEALER?**

**YES**

**NO**