

**DALBO®**

# MAXICUT



**EN**  
**200/300/600**  
Serial no.: 260-XXX

**MADE IN D ENMARK**



# MAXICUT

Type 200/300/600

Congratulations on the purchase of your new MAXICUT. For **safety reasons** and to achieve optimum service from the product, please read the User Guide **before use**.

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## This product has:

Type no.: \_\_\_\_\_ Serial no.: \_\_\_\_\_  
Month of manufacture: \_\_\_\_\_ Net weight kg: \_\_\_\_\_

If contacting the manufacturer regarding spare parts or service, please state type and serial number. A spare parts list is included at the back of this manual.

## EU DECLARATION OF COMPLIANCE

**DALBO A/S**  
**DK-7183 Randbøl**  
**+4575883500**

declares herewith that the above machine is manufactured in accordance with the provisions of directive 2006/42/EC, which replaced directive 98/37/EC and change directives 91/368/ECC, 93/44/ECC and 93/68/ECC on harmonization of member state legislation concerning health and safety requirements related to the construction and manufacture of machines.

**CE**

This machine corresponds to the safety requirements in the European Safety Guidelines.

DALBO A/S

Date: \_\_\_\_\_

Alessio Riulini, CEO

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# Safety



This symbol appears in the instruction manual each time there is a safety warning concerning your safety, the safety of others or functionality of the machine. All safety instructions must be observed and made available to all users of the machine.

## General

- Ensure you are familiar with all aspects of the machine before use
- There are safety stickers on the machine containing important instructions for the safety of yourself and others, and correct use of the machine.
- Do not carry passengers during operation or transport.
- Ensure there are no personnel within the machine's working radius before operating. Operate machine only from inside the tractor.
- When MAXICUT is folded in transport position, the side sections must be locked into upright position using the chain (on machines with serial number under 259) or safety pins (machines with serial number higher than 260) before taking it on the public roads. Check all control handles are secured against accidental operation.
- Before leaving the tractor or making adjustments, performing maintenance or repairs on the machine, extend fully and lower to ground, or maintain in transport position, apply tractor handbrake, switch engine off and remove ignition key to secure the machine against accidental operation.
- Remember to secure support leg and pins with split rings.
- Never leave driver's seat whilst machine is moving.
- Always adapt speed to conditions.
- Do not use machine unless all safety devices are in place. Defective safety devices must be replaced immediately.

## Hydraulics

- Lower machine fully for any repair work on the hydraulic system. Relieve hydraulic pressure, switch engine off and remove ignition key.
- Clean hydraulic connections thoroughly before reconnecting. When connecting hydraulic hoses to tractor hydraulics, ensure they are not under pressure.
- Bleed the hydraulic system thoroughly after any repairs.
- Check hydraulic hoses regularly for defects such as cracks, splits, crimps, wear or breaks. Defective hoses must be replaced immediately.
- Avoid spilling oil on the ground. If oil is spilt, collect and deliver to a destruction point.
- Clean hands thoroughly after contact with oil and grease. Change oil-stained clothing immediately. Hydraulic oil can be harmful to the skin.
- Hydraulic oil released under high pressure can penetrate the skin and cause severe injury. In the event of injury, seek medical help immediately.

## Assembly

- Danger of crushing! Ensure no personnel are between implement and tractor, or between the parts to be connected.

## Maintenance and repair

- Ensure machine is adequately supported or fully extended for all repair and maintenance work. Ensure tractor and machine are properly braked, engine stopped and ignition key removed.
- Tighten all screw connections after a few hours use. Check all screw connections regularly and tighten as required. Check all split pins and bolts to avoid mechanical failure.
- Dispose of oil, grease and filters in accordance with local environmental protection rules.

## Road transport

- All safety and warning precautions mandatory by law must be fitted and tested before transporting the machine on public roads. The driver is responsible for fitting the correct lighting and number plate required in accordance with applicable legislation.
- Check with local traffic authorities whether transport on public roads is allowed given the machine's dimensions.

- When transporting, ensure permitted total weight for tractor is not exceeded and that loading on tractor front axle is not less than 20% of tractor net weight. If this is the case, use weights on tractor front

### **Correct use**

- Correct use of the machine includes observing the manufacturer's operating, maintenance and repair instructions, and that original spare parts are always used.
- MAXICUT may only be used, maintained or repaired by personnel familiar with it and who are aware of the risks that can be involved.
- The manufacturer cannot be held liable for injury or damage arising from modifications made to the machine performed without prior permission from the manufacturer. Neither can the manufacturer be held liable for injury or damage arising from incorrect use. Such liability rests solely with the user.
- Do not add extra weight to the machine.



## Technical data

### MAXICUT 600

Width [cm]	200	275	580
HP [recommended]	70	90	150
<b>Weight in kg:</b>			
Without water approx.	1450	1750	4300
With water approx.	2025	2450	6100
Sections [pcs.]	1	1	3
Wheels	-	-	400/60-15.5
<b>Hydraulic requirements:</b>			
Double-acting	-	-	2
Single-acting	-	-	-
<b>Transport:</b>			
Width [metres]	2,42	3	3
Height [metres]	1,8	1,8	3,6
Length [metres]	1,35	1,35	5

The table below indicates how much oil will return to the tractor when MAXICUT is extended.

Model	Oil (litres)
600	2

## How to use this manual

The sequence of subject matter in this manual can seem illogical. Please refer to the table of contents for page numbers for individual items.

The manual is divided into 5 main sections:

- Safety
- Starting routine and running
- Accessories
- Maintenance
- Repairs

The following symbols represent:



Points which are important to functionality and service life.



Points relevant to safety.

### Delivery

The machine is delivered complete on a trailer.

If lifting the machine, we recommend the use of straps on the mid-section and drawbar to maintain balance.

## Uses

MAXICUT is a heavy blade roller, designed for use on crops with long, thick stems. By cutting the remaining organic materials, decomposition is accelerated. The rollers are watertight containers which can be filled with water if required to increase the machine's weight.

The machine is delivered with empty rollers.

The blade rollers are designed to allow the sections to move independently of each other. Heavy-duty bearings are standard.

Fig. 1



MAXICUT 600 at work

MAXICUT is used after harvesting on crops such as maize, sunflower or rape, when the total weight of the machine and ground conditions are optimum. When the rollers are filled with water and the ground is as dry as possible, the machine is at its most effective.

The machine has to be operated at relatively high speeds of over 15 km per hour, preferably 18-25 km per hour at which the rollers will perform best on stubble and plant residue. For an extra thorough result, another run can be made over the field.

The rollers are designed to be filled with water if required. The machine comes from the factory without water to simplify transport.



**The steel tubes may only be filled with water or liquid with a density less than 1.15 g / cm<sup>3</sup>. This avoids overloading the machine's hydraulics and welded frames.**



**The machine is highly robust, to tolerate heavy loads. However, it will always be necessary to match speed to conditions - e.g. reduce speed on uneven terrain.**

## Limitations to use

### **Descriptions of what the machine can and cannot be used for:**

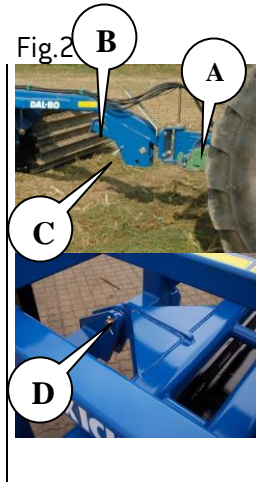
- Can only be used for breaking down organic plant material on agricultural land under cultivation. Areas worked must be in normal agricultural maintenance, i.e. with no significant unevenness or holes. Any stones must be removed from the area to the normal extent. The area must be reasonably well-drained.
- Plant material must not be stiffer than maize stalks.
- The machine can only be used towed behind an agricultural tractor, and must be connected to the rear 3-point hitch. MAXICUT 200 and 300 must also be connected to the tractor's front 3-point hitch.
- The maximum operating speed is 25 kph - but must always suit the nature of the area worked, e.g. very low speed if working across plough furrows.

Use of the machine which does not fulfill the conditions above will be regarded as non-authorized, and will invalidate the guarantee.

## Connecting and disconnecting

### Connecting

MAXICUT is attached to the tractor's lifting arms and secured using balls and split pins (A). The support leg (B) is raised and secured by a pin (C). MAXICUT 200/300 coupled so that the drum section, always preferred to in paragraph (D).



Remember to secure drawbar with balls and split pins.

### Hydraulics

MAXICUT requires a double-acting hydraulic outlet, in which one line is used for lowering the side sections and other for towing the frame to transport the roller from field to field.

Table 1. Hose markings

Cylinder name	Colour	Outlet	Function
Wheel frame cylinder	Yellow	Double acting	Raises MAXICUT up onto its wheels and down into working position.
Extend/retract	Red	Double acting	Retracts the sides upwards/downwards.



Both hydraulic systems are fitted with pilot-controlled relief valves. This means that pressure has to be applied to one of the hoses for the cylinders to activate. The cylinders will therefore not move if the tractor handle is moved to flow position.

Furthermore, it is not possible to lower the wheel frame or side sections if the tractor engine is not running.



Check hydraulic hoses for crimping

## Disconnection

**Always disconnect the machine on a flat surface to ensure maximum stability.**

Fit support leg vertically, release drawbar from tractor and disconnect hydraulic hoses.



Remember to depressurize hoses before disconnecting them.

MAXICUT must be in transport or working position when disconnecting.

## Setting up

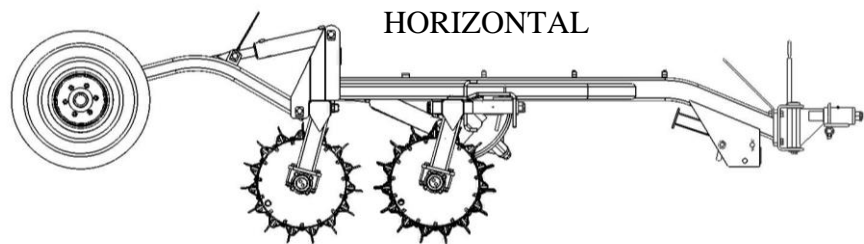
MAXICUT is very simple to work with. The design makes it very simple to set up. Always check frame angle before use to ensure optimum use of the machine.

### Adjusting drawbar

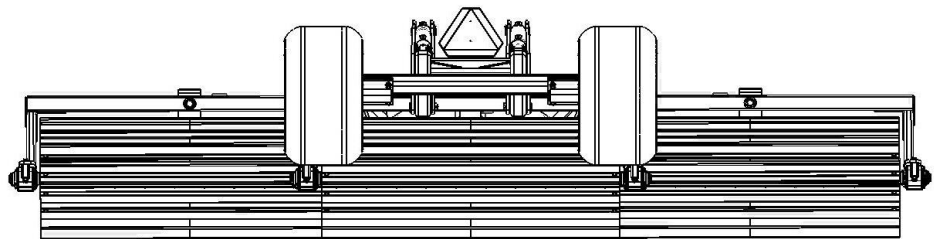
To ensure uniform cutting, the drums must be horizontal on the drawbar. The side frames can swing in relation to the lie of the field.

MAXICUT 600 at work. The main frame is horizontal whilst the side frames are free to swing.

Fig. 3



Incorrect drawbar height can cause uneven compression of the soil, as the roller will not apply equal pressure for all sections. If the drawbar is low at the back, the tractor lift arm is too high. If the drawbar is low at the front, raise the tractor lift arm.



## Operation

Correct operation is vital for optimum use. This applies to working in the field and for safety. Always ensure you are fully familiar with all safety aspects of the machine.

### Extending and retracting

Extending and retracting the machine must always be performed with tractor parked.



**Always check the area around the machine is clear of personnel before extending.**

#### Extending

- 1 Remove transport chain, extend side sections to horizontal using the extend cylinder (hose marked: red). Pins are fitted through the extension arm hinges on machines with serial numbers higher than 260. These must be removed and placed in their holders on the main frame before extending.

Fig. 4



- 2 Activate extend/retract cylinder (marked: Red) to fully extend side sections.
- 3 Raise wheel frame (marked: yellow)

Fig. 5



Before commencing rolling, drawbar must be horizontal. When driving with MAXICUT 200/300 lift must always be in a floating position when the machine is in working position.





By turning with the machine on the headland, the machine has to be lifted up on the wheel frame to make sure, that the frames will not be overloaded. Slight curve speed can be made with the machine in the ground.

#### Retract

Lower wheel frame and raise roller clear of ground.  
Retract side sections, fit transport chain/safety pins.



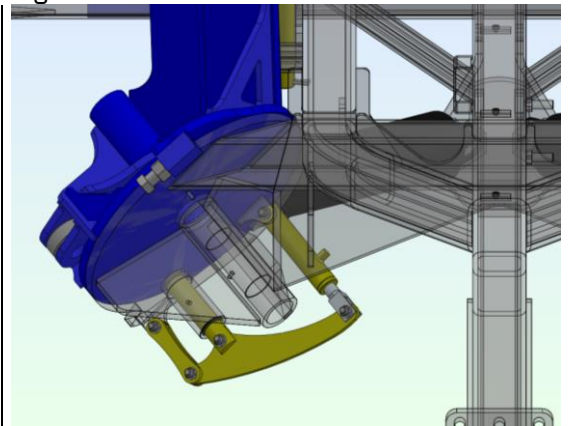
When transporting on the public roads, the transport chain and safety pins must ALWAYS be correctly fitted.

#### Hydraulic transport safety device

New machines can be supplied with a hydraulically-activated transport

Fig. 6 shows the hydraulic transport safety device fitted on the underside of the turning plates. (in yellow).

Fig. 6



### How it works

The hydraulic cylinder is connected to the hydraulic hoses, which operate extension and retraction (marked in red). The system does not therefore need an extra hydraulic outlet from the tractor. The system is fitted with a sequence valve to ensure that the cylinders for the transport safety device receive oil before the extension cylinders.

### Extending and retracting

When finished working, the machine can be retracted as described above. The hydraulic cylinders for the transport safety device have a built-in pressure spring which automatically inserts the safety pin into a hole in the extender arm when it has reached the vertical position.

The extension cylinders are activated upwards first until the extension arms are fully raised when extending. This ensures that the safety pins are not trapped. The same cylinder is then activated downwards. The sequence valve in the system now prioritises the oil flow to the safety device cylinders, until they are disengaged. The oil is then directed to the extension cylinders, and extension commences.



The machine will not be damaged if the hydraulic handle is pushed the wrong way when extending. The safety pin is sufficiently strong to resist damage. There is only a risk that extension will not occur if the pins are trapped, preventing the cylinders from withdrawing them. The solution is to extend the extension arms fully, freeing the pins.

### Operating speed

An operating speed of 18-25 km/h is recommended, but always operate according to conditions.

Increased speed will increase wear, particularly in dry conditions. There will also be a risk of the roller throwing up soil and stones.

### Power

Power requirement will depend on soil type, terrain and speed.

Table 2, **Guide to power requirement in HP**

Model (cm)	200	300	600
<b>HP min.</b>	70	90	150

### Tire pressure

The tables below show the load, speed and tire pressure in relation to each other at the different tire combinations.

MAXICUT

400/60-15,5 Alliance

Size	Rim	Unloaded Dimension		Loaded Static radius mm	Rolling Circumference mm	Load Index PR Symbols	Inflation Pressure bar	Recommended Load							
		SW mm	OD mm					Speed							
								Drive wheel				Free rolling			
								10 kmph	25 kmph	40 kmph	50 kmph	10 kmph	25 kmph	40 kmph	50 kmph
400/60-15.5	13.00DC	404	874	377	2510	148A8 136A8	1	1320	1120	940	846	1860	1580	1330	1200
							2	1970	1680	1410	1269	2790	2370	1990	1790
							2.5	2250	1920	1610	1449	3180	2700	2270	2040
							3.5	2740	2330	1960	1764	3860	3280	2760	2480
							4	2970	2520	2120	1908	4170	3550	2980	2680
							4.4	3140	2670	2240	2016	4410	3750	3150	2840

480/45-17 Alliance

Size	Rim	Unloaded Dimension		Loaded Static radius mm	Rolling Circumference mm	Load Index PR Symbols	Inflation Pressure bar	Recommended Load							
		SW mm	OD mm					Speed							
								Drive Wheel				Free Rolling			
								10 kmph	25 kmph	40 kmph	50 kmph	10 kmph	25 kmph	40 kmph	50 kmph
480/45-17	16.00x17	491	866	380.35	2562	14	0.8	1430	1290	1020	918	2020	1710	1440	1300
						146A8 134A8	1.5	2060	1850	1470	1323	2910	2480	2080	1870
							2.8	2970	2670	2120	1908	4200	3570	3000	2700
							3	3090	2780	2210	1989	4370	3710	3120	2810

## Troubleshooting

Fault	Cause	Remedy
Mid-section applying too much pressure	<ul style="list-style-type: none"> <li>• Drawbar too high</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust drawbar to horizontal (see "Adjusting drawbar")</li> </ul>
	<ul style="list-style-type: none"> <li>• Too much water</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust volume of water to the same in all three rollers</li> </ul>
	<ul style="list-style-type: none"> <li>• Too much water</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust volume of water to the same in all three rollers</li> </ul>
Side sections pressing too much	<ul style="list-style-type: none"> <li>• Drawbar too low</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust drawbar and mid-section (see "Adjusting drawbar")</li> </ul>
	<ul style="list-style-type: none"> <li>• Wheel frame touching ground</li> </ul>	<ul style="list-style-type: none"> <li>• Lift wheel frame higher</li> </ul>
	<ul style="list-style-type: none"> <li>• Blades worn</li> </ul>	<ul style="list-style-type: none"> <li>• Replace with new blades</li> </ul>
Blades not cutting sufficiently	<ul style="list-style-type: none"> <li>• Drum not heavy enough.</li> </ul>	<ul style="list-style-type: none"> <li>• Fill rollers with water</li> </ul>
	<ul style="list-style-type: none"> <li>• Field/surface too soft</li> </ul>	<ul style="list-style-type: none"> <li>• Wait until field is dry</li> </ul>

## Maintenance

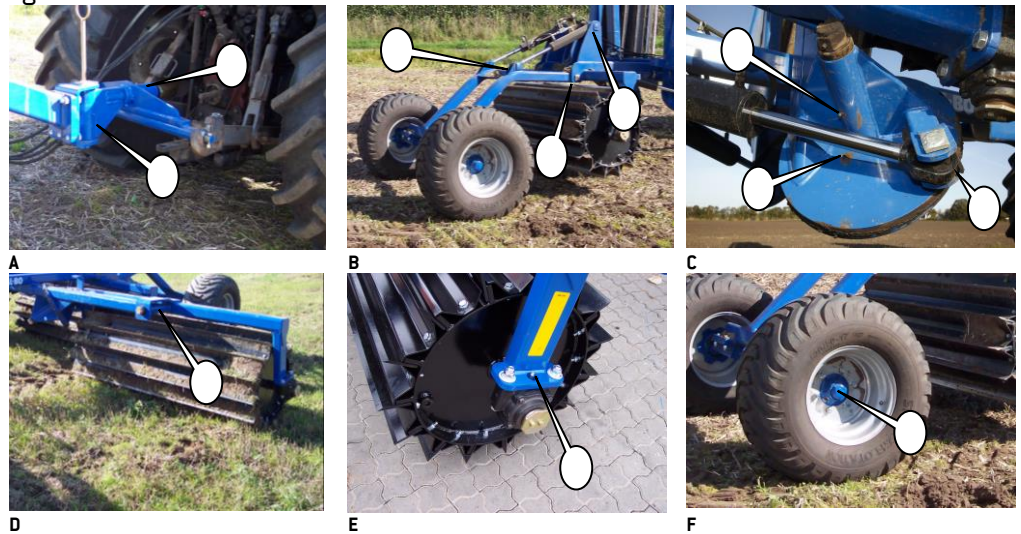
Good maintenance ensures long service life and optimum use. Grease nipples are fitted where wear is heaviest.



Tighten all screw connections after first working day. Check all split pins and bolts to avoid mechanical failure. Check hydraulic system for leaks.

### Lubrication

Fig. 6



Lubrication points	Number of nipples	Lubrication intervals, hours	Illustration
Drawbar	2	8	A
Wheel frame and cylinder	6	8	B
Turn plates and cylinder	10	8	C
Swinging frames	2	8	D
Bearings	6	50	E
Wheel bearings	2	200	F
Rolls	2	8	G



Lubricate all lubrication points at least once annually.

G



## Adjustment

### Wheels

Lubricate and adjust wheel bearings at least once annually. Check tyre pressures (see recommended pressure on tyre).

Adjustment and lubrication of wheel bearings

1. Remove hub caps.
2. Remove split pin.
3. Tighten castle nut 1/6th of a turn until hole aligns with axle. Turn wheel, check for resistance. A little play should be detected in the hub housing when rocking wheel from side to side. If play is excessive, repeat process.
4. Replace split pin
5. Fill hub cap  $\frac{3}{4}$  full with grease. Replace.

### Wear parts

Blades are fitted with a protective plate at factory (A) between each one to protect bolts and holders. Blades can be replaced as required. There are 2 blades per row on each roller.

Fig. 7



## Blade rollers



**Always protect the drums from frost to prevent deformation/bursting. Store the machine in a frost-free environment, or drain the rollers before the first frosts. Doing so will prevent the risk of damage to the rollers. Antifreeze can also be added to the water in the rollers. Follow the antifreeze manufacturer's instructions for mix ratio.**

## Hydraulics



Check all hydraulic hoses for wear or cracks. Check all hoses for crimping.



Lubricate exposed rams with oil or pressure-resistant grease to avoid rust forming when storing for long periods. Remember to remove before use.

## Replacement and repairs



Safety is vital for **all** repair work on the roller. Always observe the following points, plus those under Safety First in the instruction manual.



All maintenance and repair work can only be performed when the machine is lowered to the ground or locked in transport position, tractor is braked, engine stopped and ignition key removed to prevent accidental start.



Particular attention must be paid to safety when repairing hydraulics. Before commencing work, depressurise hydraulic system and support part being worked on.



Always ensure hydraulic system is bled after repairs and before use to prevent mechanical breakdown and injury to person.

### Hydraulics

#### Replacing extend cylinder for retracting side sections

Roller must be fully extended and standing on ground for repairs.

1. Depressurise cylinders (A). **Check there is no pressure shown on the manometer.**
2. Disconnect hoses.
3. Remove split pins and pins. Cylinder will now be free.
4. Fit new or repaired cylinder. Check pin locks into place, secure pins with split pins.
5. Connect hoses. Check there is no danger of hoses being ripped or crimped after fitting.

Fig. 8





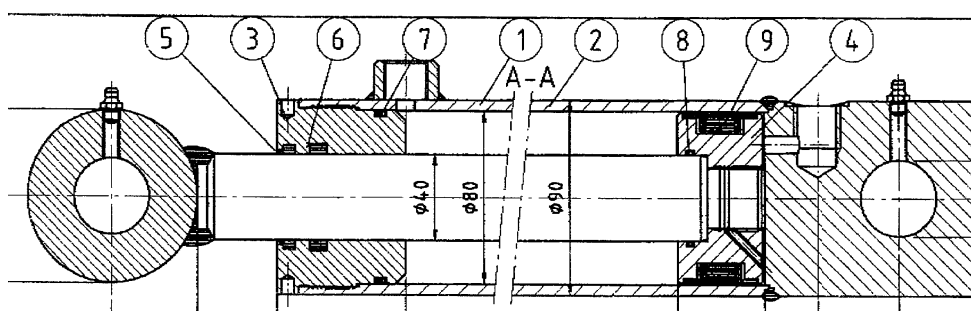
Activate cylinders after assembly. Activate cylinders both ways, retracting/extending fully in both outer positions. This is necessary to bleed the system and cylinder.



Ensure no personnel are within the extension radius of the side sections.

### Replacing gasket set for extend/retract cylinder

Fig. 9



1. For cylinder removal, see "Replacing extend cylinder for retracting side sections".
2. Drain oil from cylinder by moving ram carefully backwards and forwards.
3. Extend ram to centre position. Unscrew upper part (pos. 3) from cylinder tube (pos. 1). Use special tool to remove upper part. If upper part is stuck, heat front of sleeve. When upper part is detached from cylinder tube, pull ram up towards upper part and remove completely from cylinder tube.
4. Remove lock nut retaining collar shoe (pos. 4).
5. Remove collar shoe (pos. 4) from ram.
6. Remove upper part (pos. 3) from ram.
7. Remove gaskets in upper part and collar shoe, (pos. 5+6+7+8+9).
8. Clean all parts and check for particles etc. Check for rust around scraper ring (pos. 5) in upper part. If detected, remove thoroughly.



### Mounting

1. Fit new gaskets (pos. 2+4+7+8+9) in upper part and collar shoe. Remember to check gaskets are facing the right way.
2. Lubricate thread in upper part (pos. 3) with oil.
3. Fit upper part (pos. 3) on ram shaft.
4. Fit collar shoe (pos. 4) and screw on lock nut, **secure with Loctite**. Ensure that thread is absolutely clean and free of oil or other impurities before applying Loctite. **Do not fill with oil for 12 hours after use of Loctite.**
5. Lubricate outer collar shoe gasket in contact with cylinder tube and inside of cylinder tube with oil, push ram into centre position.
6. Fit upper part onto cylinder tube and tighten.
7. Fit cylinder (see "Replacing extend cylinder for retracting side sections").

### Replacing raise/lower cylinder

Extend roller and relieve pressure on raise/lower cylinder (A).

Fig. 10



1. Disconnect hoses from cylinder
2. Support cylinder
3. Remove split pins in pins, remove pins
4. Remove cylinder
5. Fit new or repaired cylinder



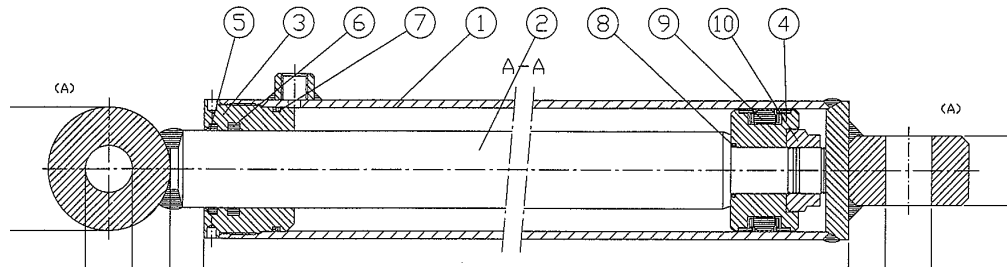
Activate cylinders after assembly. Activate cylinders both ways, retracting/extending fully in both outer positions. This is necessary to bleed the system and cylinder.



Ensure no personnel are within the extension radius of the side sections.

## Replacing gaskets on raise/lower cylinder

Fig. 11



1. Drain oil from cylinder by moving ram carefully backwards and forwards.
2. Extend ram to centre position. Unscrew upper part (pos. 3) from cylinder tube (pos. 1). Use special tool to remove upper part. If upper part is stuck, heat front of upper part. When upper part is detached from cylinder tube, pull ram up towards upper part and remove completely from cylinder tube (pos. 1).
3. Remove lock nut (pos. 10) retaining collar shoe (pos. 4).
4. Remove collar shoe (pos. 4) from ram, (pos. 2).
5. Remove upper part (pos. 3) from ram, (pos. 2).
6. Remove gaskets in upper part (pos. 5+6+7+8+9) along with collar shoe.
7. Clean all parts and check for particles etc. Check for rust around scraper ring (pos. 5) in upper part. If detected, remove thoroughly.

### Mounting

1. Fit new gaskets (pos. 5+6+7+8+9) in upper part, plus collar shoe.
2. Lubricate thread in upper part (pos. 3) and cylinder tube (pos. 1) with oil.
3. Fit upper part (pos. 3) on ram shaft.
4. Fit collar shoe (pos. 4) and screw on lock nut, **secure with Loctite**. Ensure that thread is absolutely clean and free of oil or other impurities before applying Loctite. **Do not fill with oil for 12 hours after use of Loctite.**
5. Lubricate outer collar shoe gasket in contact with cylinder tube and inside of cylinder tube with oil, push ram into centre position.
6. Fit upper part onto cylinder tube and tighten.
7. For fitting cylinder see "Replacing raise/lower cylinder".

## Removal/fitting wheel

Raise wheel frame before removing wheel. Wheels will then be raised free of ground. Remove wheel nuts. Remove wheel. Replace wheel, hand-tighten wheel nuts. Lower wheels to ground. Tighten wheel nuts to 300 Nm.



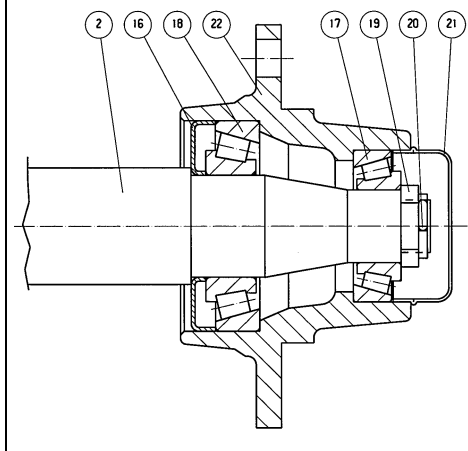
Ensure wheel nuts and wheel surfaces are clean to avoid nuts loosening.

## Replacing wheel bearings

1. Remove hub cap pos. 21.
2. Remove split pin pos. 20.
3. Remove castle nut pos. 19.
4. Hub housing can now be removed from shaft.
5. Remove bearings pos. 17+18.
6. Remove seal ring pos. 16.

Fig. 12

FL55-6



## Assembly

1. Fit bearing outer rings pos. 17+18 in hub housing pos. 22
2. Fit seal ring pos. 16.
3. Fit bearing inner ring pos. 18 on axle pos. 2 and fit axle in hub housing
4. Fit bearing inner ring pos. 17 on axle pos. 2
5. Screw castle nut onto axle pos. 2, whilst turning hub housing pos. 22. Tighten castle nut until hub housing revolves slowly. Slacken castle nut a quarter turn or until hub housing revolves easily.
6. Fit split pin pos. 20.
7. Fill hub cap pos. 21 half full with ball bearing grease and fit to hub

## Removing blade roller

Repairs must be performed with the roller connected to a tractor, resting on a level surface, fully extended with the 3 rollers resting on the ground. A crane or similar is recommended for removal and replacement procedures.

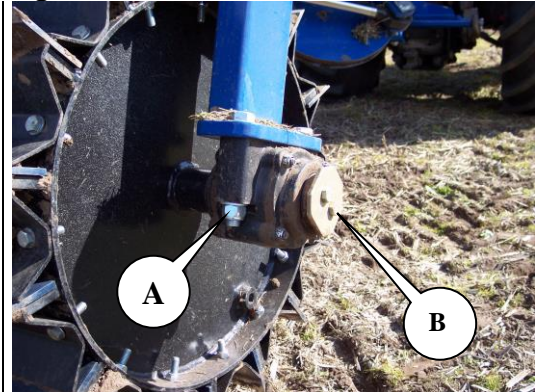


### Replacing blade roller bearings

If no crane is available, remove both side section axles to prevent roller tipping over.

1. All 3 sections must rest on the ground!
2. Slacken bolts (A) at each end of tank.
3. Activate wheel frame cylinder to raise machine onto wheels.
4. The bearing can now be withdrawn when bolts (B) are removed.

Fig. 13



### Fitting bearings

1. Push bearing into axle. Tighten the two 12 mm bolts and the large clamp plate.
2. Activate wheel frame cylinder and lower frame towards bearing. Fit bolt (A) and tighten.



Ensure no personnel are within the machine's extension radius when activating hydraulics.



### Replacing blades

If no crane is available, remove both side section axles to prevent roller tipping over.

1. Extend machine to working position.
2. Remove any soil [A] between blades.
3. Remove protective plate between blades to reach blade bolts.
4. Blades can now be unbolted and removed.

Fig. 14



### Fitting blades

1. Fit blades with new carriage bolts, see diagram below for direction. Arrow points in direction of travel.
2. Fit protective plates between blades last.

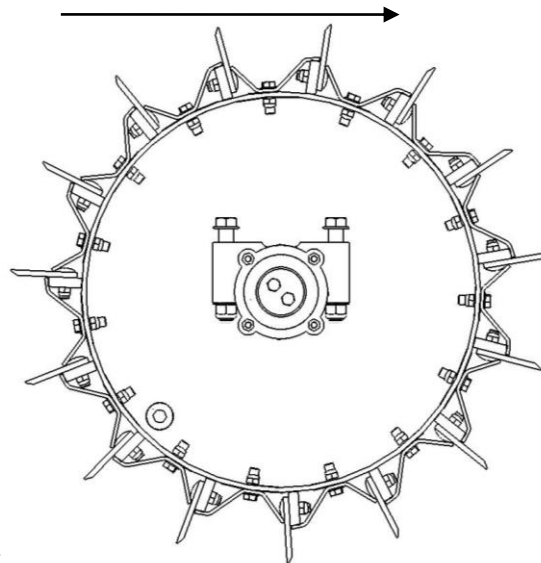


Fig. 15



Ensure no personnel are within the machine's extension radius when activating hydraulics.

## Scrapping



Fully extend roller. It is essential that **all** cylinders are removed.

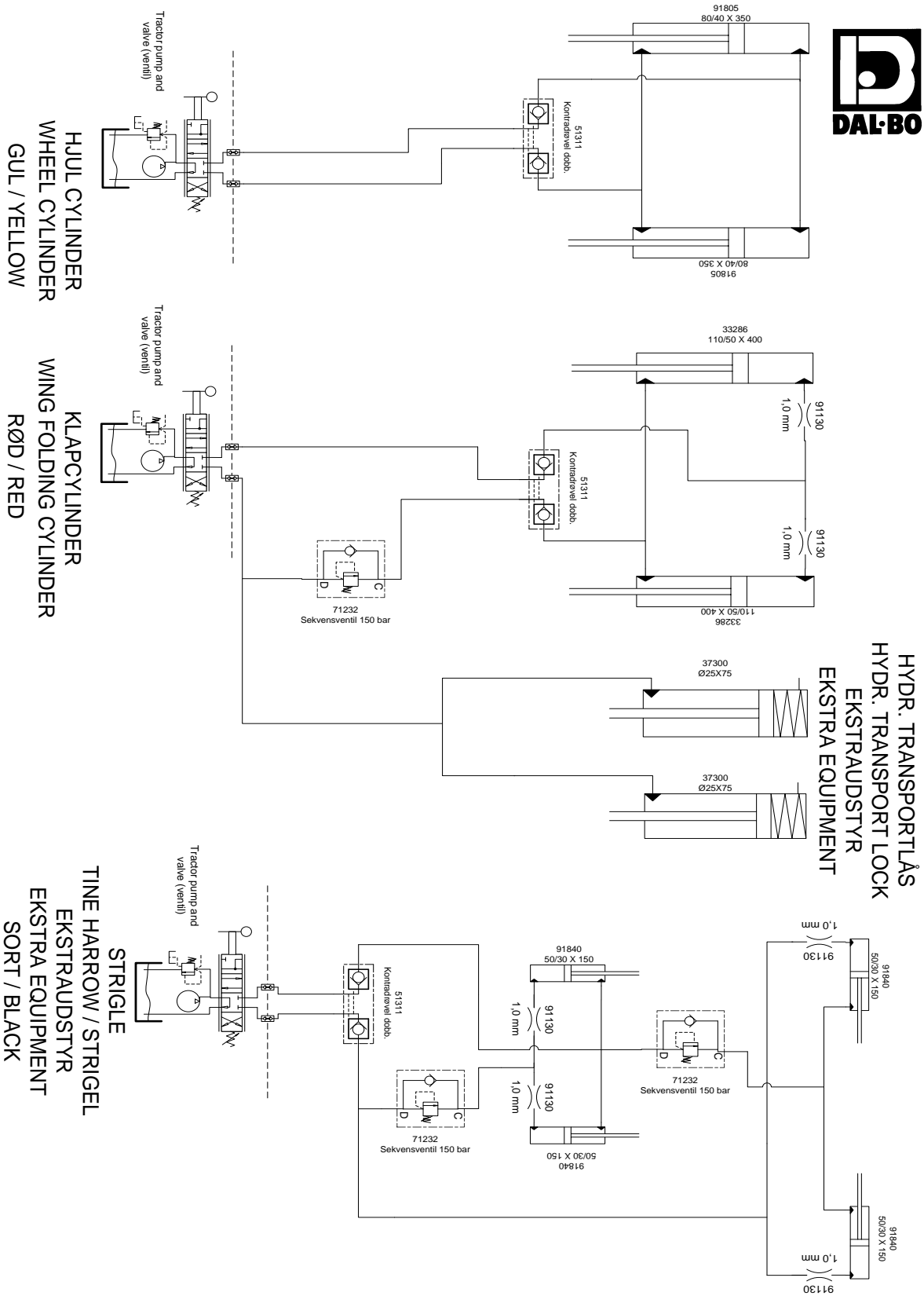


Beware of the weight of any given part when removing or disassembling. All parts **must** be supported or lifted to avoid danger of falling.

Disconnect hydraulic hoses and cylinders and drain oil. Collect oil in container to avoid pollution. Send oil and hoses for destruction.

All iron used in the machine can be recycled.

# Hydraulic diagram for MAXICUT



## Guarantee

DALBO A/S provides a 1 year guarantee on all new machines sold by an authorised DALBO dealer. The guarantee is valid for 1 year from date of delivery to the end-user.

**The guarantee covers material and manufacturing defects.**

The guarantee will become invalid in the following instances:

- **The machine is used for purposes other than those described in the user guide**
- **The machine is misused or treated negligently**
- **Lack of maintenance**
- **Unrelated incidents such as weather, falling objects etc.**
- **Transportation damage**
- **Unauthorised repairs**
- **Modifications to the machine without the written consent of DALBO A/S**
- **Non-original spare parts used**

DALBO A/S cannot be held liable for consequential damage, loss of earnings or production as a result of defects. DALBO A/S cannot be held liable for the cost of labour apart from that reasonably incurred for repair or replacement covered by the guarantee.

DALBO A/S cannot be held liable for the following costs:

- **Setting the machine**
- **The cost of normal maintenance, cleaning, lubrication and replacement of wear parts**
- **Transportation of the machine to and from a repair workshop**
- **The dealer's expenses, such as transportation of personnel or parts to and from the machine and/or repair workshop**

The guarantee is conditional on the following:

- **The guarantee will become invalid if the dealer has not prepared the machine and instructed to owner in its use.**



## Spare parts