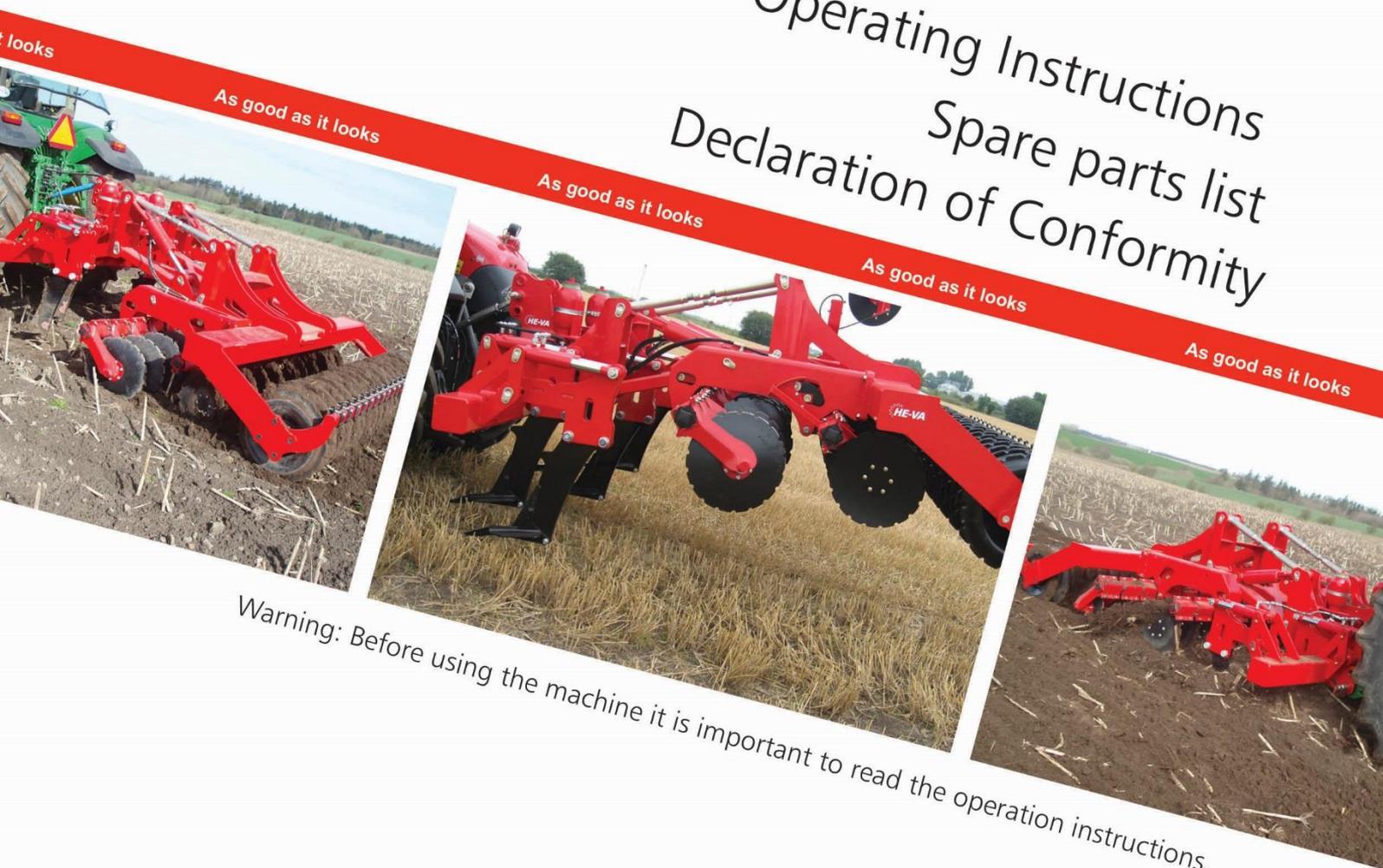


UK

HE-VA

Operating Instructions
Spare parts list
Declaration of Conformity



Warning: Before using the machine it is important to read the operation instructions.

Manual nr. 8000511-10

25.04.2025

Combi-Disc

Three-point mounted and trailed models: 3.0 - 3.5 - 4.0 m



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Contents

| | |
|---|-----------|
| * | |
| * | 3 |
| EC-Declaration of Conformity | 5 |
| Delivery check | 6 |
| Machine description | 6 |
| Range of applications | 6 |
| Technical specifications | 7 |
| Safety instructions for Combi-Disc | 9 |
| Safety and Instructions on Hydraulics | 10 |
| Transport on public roads:..... | 10 |
| Front axle load:..... | 10 |
| Labels on the machine | 11 |
| Start-up of the machine | 12 |
| General information | 12 |
| Colour marking of hydraulic hoses | 12 |
| Attachment | 12 |
| Maintenance | 13 |
| Lubrication | 13 |
| Mounting instructions | 15 |
| Mounting of the square tube roller or V-profile roller | 15 |
| Mounting of the drawbar and wheel frame on trailed models | 15 |
| Setting and adjustment | 17 |
| Draw adjustment | 17 |
| Tines | 17 |
| Hydraulic automatic release system | 18 |
| Replacement of wearing point..... | 19 |
| Replacement of wearing point Easy Draft | 20 |
| Disc..... | 21 |
| Scraper..... | 21 |
| Edge equipment..... | 22 |
| Material damper guard | 23 |
| Spare parts list | 24 |
| Drawbar | 24 |
| Wheel frame | 26 |
| Front section..... | 28 |
| Leg..... | 30 |
| Wearing points | 34 |
| Notes: | 35 |
| Parallel guide..... | 36 |
| Disc support..... | 37 |

| | |
|----------------------------------|-----------|
| Rear section | 41 |
| Material damper guard | 42 |
| Roller bar | 43 |
| Edge equipment | 45 |
| LED-Light | 47 |
| Hydraulics | 48 |
| Wheel support | 48 |
| Hydraulic stone protection | 50 |
| Rear section lifting | 52 |
| Disc adjustment | 53 |
| Diagrammes | 55 |
| Light kit | 55 |
| Notes | 55 |





EC-Declaration of Conformity

in accordance with the EU Machinery Directive 2006/42/EC
applicable as from December 29th 2009:

HE-VA ApS
N. A. Christensensvej 34,
DK-7900 Nykøbing Mors
Denmark

hereby confirms that the following machine has been manufactured
in accordance with the Council
Directive 2006/42/EC.

The declaration comprises the following machine:

Combi-Disc

3.0 – 3.5 – 4.0 m

No. : _____

Nykøbing, 12. Aug 2015


Villy Christiansen

The undersigned is furthermore authorized to compile technical documentation for the above machine.

Delivery check

Upon delivery to the dealer/supplier as well as to the customer, check the Combi-Disc for possible damages.

Machine description

Range of applications

HE-VA Combi-Disc is a multi-purpose machine available in 3.0 m, 3.5 m and 4,0 m working width. As standard, the Combi-Disc is built in a strong frame construction. In front, the machine is mounted with strong tines loosening the hard strata / plow pan simultaneously with a perfect oxidation without pulling hard and inconvenient soil up to the surface. The working depth of the tines is adjusted hydraulically from -10 cm to 40 cm. After the tines, the machine is mounted with 2 rows of Ø510 mm discs. The working depth of the discs are adjusted hydraulically too from -10 cm to 13 cm. The placement of the discs after the tines results in the fact that the Combi-Disc, even after a pass, is performing a perfect seed bed where the tines in front have loosened the soil, and the following disc have mixed the soil without any mixing of hard and inconvenient soil. At the back, the machine is mounted with a roller, which ensures a precise working depth – perfect consolidation and crushes the clods. Different roller types and dimensions are available, and the Combi-Disc is available as three-point mounted or trailed models.

Technical specifications

| | Rigid models | | |
|---|--|--------------|--------------|
| | 3.0 m | 3.5 m | 4.0 m |
| Working width | 3.00 m | 3.50 m | 4.00 m |
| Transport width | 3.00 m | 3.50 m | 4.00 m |
| Wheel mounting (trailed model) | 400/60x15.5 – 14 Ply | | |
| Wheel pressure | 4.9 BAR | | |
| Number of hydraulic outlets: | 2 pcs double-acting + 1 pc single-acting | | |
| For trailed machines: | + 1 pc double-acting | | |
| Oil type: | Hydro Texaco HD32 spec. DIN 51524-3 / ISO 11158 L-HV | | |
| El. connection | 12 volt | | |
| Working speed (recommended) | 7 - 10 km/h | | |
| Max. HP | 350 HP | | |
| Rollers | 3.0 m | 3.5 m | 4.0 m |
| <i>Square tube roller Ø550 mm</i> | | | |
| <i>No of tines</i> | 5 pcs | 6 pcs | 7 pcs |
| <i>No of disc</i> | 22 pcs | 26 pcs | 30 pcs |
| Weight kg - three-point mounted | 2800 kg | 3160 kg | 3460 kg |
| Weight kg - trailed | 4000 kg | 4360 kg | 4660 kg |
| Power requirement HP | 160 – 230 HP | 190 – 280 HP | 220 – 350 HP |
| <i>V-profile roller Ø600 mm</i> | | | |
| <i>No of tines</i> | 5 pcs | 6 pcs | 7 pcs |
| <i>No of disc</i> | 22 pcs | 26 pcs | 30 pcs |
| Weight kg – three-point mounted | 3420 kg | 3870 kg | 4260 kg |
| Weight kg - trailed | 4620 kg | 5070 kg | 5460 kg |
| Power requirement HP | 180 - 250 HP | 210 – 300 HP | 240 – 350 HP |
| <i>V-profile roller Ø700 mm</i> | | | |
| <i>No of tines</i> | 5 pcs | 6 pcs | 7 pcs |
| <i>No of disc</i> | 22 pcs | 26 pcs | 30 pcs |
| Weight kg – three-point mounted | 3540 kg | 4000 kg | 4400 kg |
| Weight kg - trailed | 4740 kg | 5200 kg | 5600 kg |
| Power requirement HP | 190 - 270 HP | 220 - 300 HP | 250 - 350 HP |
| <i>V-profile roller Ø600 mm Twin</i> | | | |
| <i>No of tines</i> | 5 pcs | 6 pcs | 7 pcs |
| <i>No of disc</i> | 22 pcs | 26 pcs | 30 pcs |
| Weight kg – three-point mounted | 3600 kg | 4080 kg | 4500 kg |
| Weight kg - trailed | 4800 kg | 5280 kg | 5700 kg |
| Power requirement HP | 200-300 HP | 230 - 300 HK | 260 - 350 HK |



| | Rigid models | | |
|---|---------------------|--------------|--------------|
| | 3.0 m | 3.5 m | 4.0 m |
| <i>U-profile roller Ø600 mm</i> | | | |
| <i>No of tines</i> | 5 pcs | 6 pcs | 7 pcs |
| <i>No of disc</i> | 22 pcs | 26 pcs | 30 pcs |
| Weight kg – three-point mounted | 3220 kg | 3630 kg | 4000 kg |
| Weight kg - trailed | 4800 kg | 5280 kg | 5700 kg |
| Power requirement HP | 200 - 300 HK | 230 - 300 HK | 260 - 350 HK |
| <i>U-profile roller Ø600 mm Twin</i> | | | |
| <i>No of tines</i> | 5 pcs | 6 pcs | 7 pcs |
| <i>No of disc</i> | 22 pcs | 26 pcs | 30 pcs |
| Weight kg – three-point mounted | 3430 kg | 3880 kg | 4280 kg |
| Weight kg - trailed | 4800 kg | 5280 kg | 5700 kg |
| Power requirement HP | 200 - 300 HK | 230 - 300 HK | 260 - 350 HK |

Combi-Disc complies with DS/ISO 11001-1, three-point suspension.



Safety instructions for Combi-Disc.

Do not start-up the machine if there are **persons in exposed positions¹** within a **hazardous area²**

When persons are in exposed positions (e.g.in connection with adjustment, maintenance, attachment and uncoupling), the following conditions must be observed:

1. The machine must be lowered to firm ground.
2. The hydraulics must be relieved.
3. The tractor must be stopped and the key removed from the ignition switch.
4. The driver must ensure that no persons are in exposed positions during the operation.

Most accidents that happen in connection with the operation, transport and maintenance of machines are caused by non-compliance with the most elementary safety conditions. Therefore, it is vital that anybody working at the machine carefully complies with the safety instructions as well as other instructions applying to the machine.

The machine may only be operated, maintained and repaired by persons, who are familiar with this work and who are further familiar with the possible elements of danger with this particular machine.

CAREFUL! Rotating parts and loose-fitting clothing make up a dangerous combination!

Due to the risk of falling down, it is extremely hazardous to stand on the machine frame during operation of the machine attached to a tractor.

IMPORTANT! Due to the risk of falling down, it is extremely hazardous to stand on the machine frame during operation of the machine attached to a tractor.

¹ Persons in exposed positions: Any person who is wholly or partly within a hazardous area.

² Hazardous area: On and under the machine within a distance of 10 m from the machine.



Safety and Instructions on Hydraulics

1. The maximum working pressure is 225 bar.
2. It is advisable to label the attachment parts at hydraulic connections between the tractor and the tool in order to eliminate incorrect operation!
3. When checking for hydraulic leaks, use suitable safety wear (eye protectors, gloves, etc.) High-pressure hydraulic oil may penetrate the skin and cause dangerous injuries. In case of injury, consult a doctor immediately. **⚠ RISK OF INFECTION!**
4. Before operating the hydraulics, lower the machine to firm ground. Relieve the hydraulics, stop the motor and remove the ignition key.
5. Check the hydraulic hoses on a regular basis, however, every six months as a minimum due to any cracks, wear and tear, etc. Replace any defective hoses immediately.

The life of hydraulic hoses is maximum 5 years.

New hydraulic hoses must meet the manufacturer's requirements.

Transport on public roads:

Check before transport on public roads that the attachment of the machine at the tractor is in accordance with the local rules and regulations in force (permitted total weight, permitted axle load, transport width, lights, warning signs, etc.).

Front axle load:

After the attachment of the machine and at maximum load, the driving properties of the tractor must be ensured. Check that the front axle is sufficiently loaded. As a minimum, the front axle load must be 20% of the tractor weight. Permitted axle load and permitted total weight for the tractor must always be observed.

NB ! The driving, controlling and braking properties are affected by the attached machine combination



Labels on the machine

You will find several labels on your Combi-Disc containing **safety** and practical instructions as regards the correct application of the machine. Please study the instructions and point out to the user the importance of the labels as well as the **safety instructions** in these Operating Instructions. Always keep the labels clean and readable – if not they must be replaced.

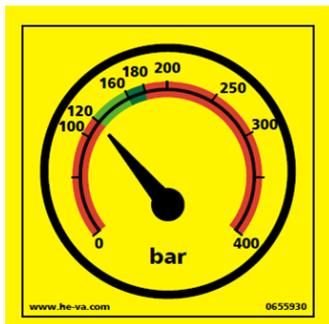


Study the Operating Instructions thoroughly before any operation of the machine and observe all safety instructions.

Item number: 1305028



Plate with number and year of manufacture.



Correct hydraulic pressure on the release system.

Item number: 0655930



Tighten up all bolts regularly. If this is not performed, our guarantee obligations will no longer apply.

Item number: 1305030



Start-up of the machine

General information

The machine requires 2 double-acting outlets (three-point mounted models).
The machine requires 3 double-acting outlets (trailed models).

Colour marking of hydraulic hoses

Hoses for depth adjustment of tines = black
Hoses for wheel on trailed machines = red
Hoses for automatic release system = yellow
Hoses for depth adjustment of discs = green

Attachment

Combi-Disc – three-point mounted models

1. Reverse the tractor to the machine and attach.
2. Connect all hydraulic hoses to the tractor outlets.
3. Lift the machine to maximum transport height.
4. Now adjust the working depth of the tines and the discs.

Combi-Disc – trailed models

1. Reverse the tractor to the machine.
2. Connect all hydraulic hoses to the tractor outlets.
3. Pressurise the drawbar - and the wheel cylinder (red) so that the machine drawbar is lifted to the suitable height.
4. Then reverse the tractor and attach the machine.
5. Now lift the machine to maximum height and tilt the depth stop backwards towards the drawbar cylinder.
6. Now adjust the working depth of the tines and discs.



Maintenance

- After the first 10 hours of operation, **retighten** the machine. Check hydraulic hoses, fittings and cylinders for leaks and retighten. Please see the below schedule.

Ensure on a regular basis that all bolts are **tightened**.

| Maximum torque according to ISO 898-1 in Nm. With lubricated thread | | | |
|--|-------------|--------------|--------------|
| Metric thread | Quality 8.8 | Quality 10.9 | Quality 12.9 |
| M10 | 38 | 54 | 63 |
| M12 | 66 | 95 | 110 |
| M14 | 105 | 150 | 176 |
| M16 | 164 | 235 | 274 |
| M18 | 233 | 323 | 377 |
| M20 | 331 | 458 | 535 |
| M22 | 450 | 622 | 727 |
| M24 | 572 | 791 | 925 |
| Wheel bolt M18x1.5 fine thread | | 360 NM | |
| Wheel bolt M22x1.5 fine thread | | 550 NM | |

Lubrication

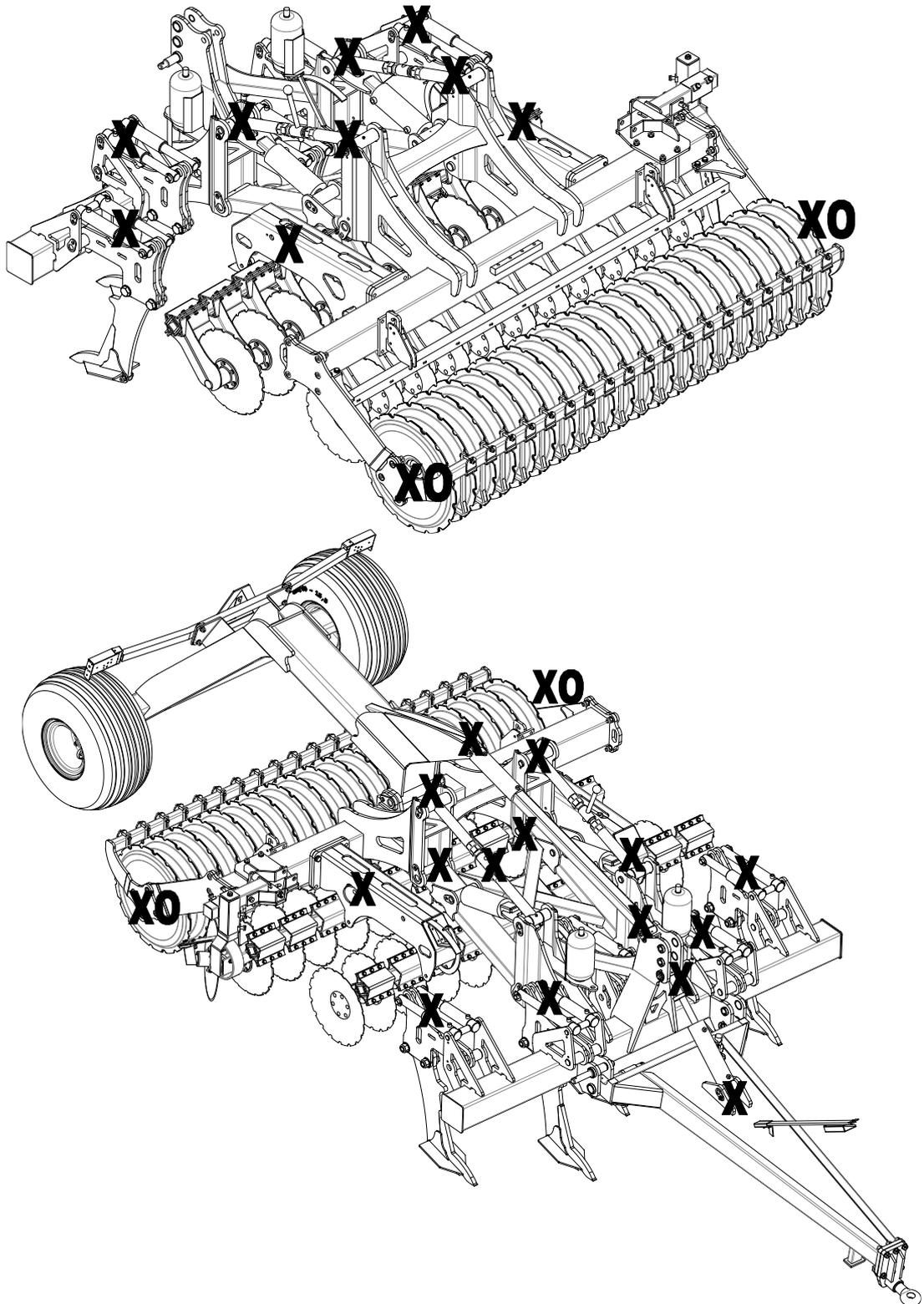
The typical lubrication points are at the automatic release system, parallelogram for depth adjustment, bearings for roller and wheel bearings. The lubrication points are to be lubricated after every 10 working hours as well as after the cleaning in order to press out any water and dirt.

For lubrication, maintenance and repair, lower the Combi-Disc, put the brakes of the tractor on and stop the motor.

Attention! However, the double sealed ball bearings in the roller should only be lubricated every 20 working hours and by 1-2 strokes so that the sealing rings are not pressed out. However, by 1 – 2 strokes after cleaning in order to press out any water and dirt.

Important: Oil, type Hydro Texaco HD32 with specification DIN 51524-3 / ISO 11158 L-HV has been filled in the hydraulic system.





Careful! XO

The double-sealed ball bearings in the roller should only be lubricated every 20 working hours and by 1-2 strokes so that the sealing rings are not pressed out. However, by 1-2 strokes after the cleaning in order to press out water and dirt.

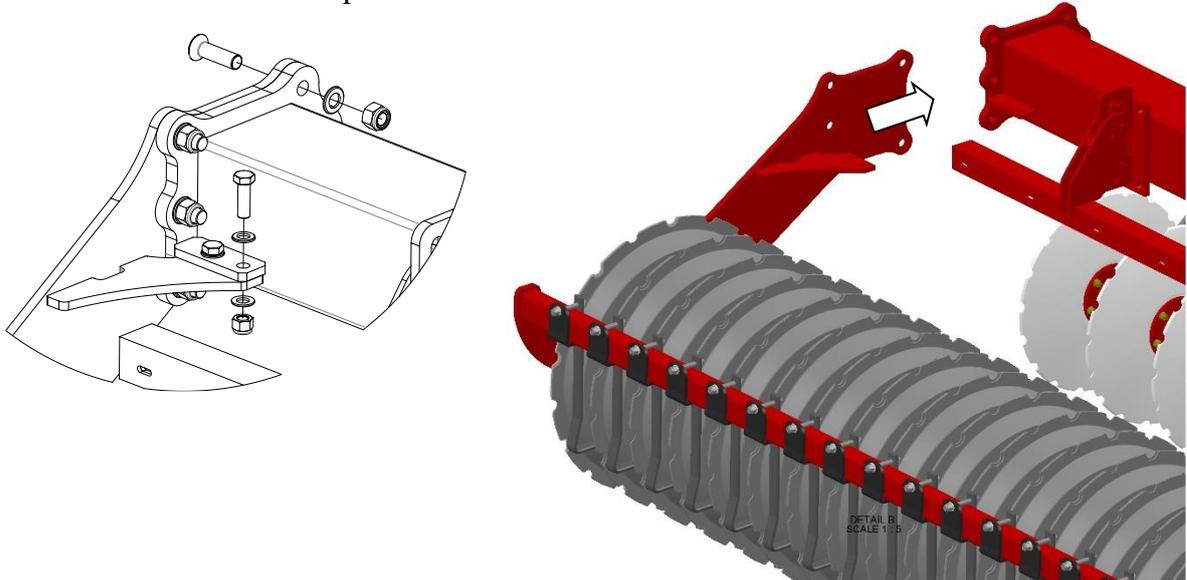
Important!

Oil, type Hydro Texaco HD32 with specification DIN51521-3/ISO 11158 L-HV has been filled in the hydraulic system.

Mounting instructions

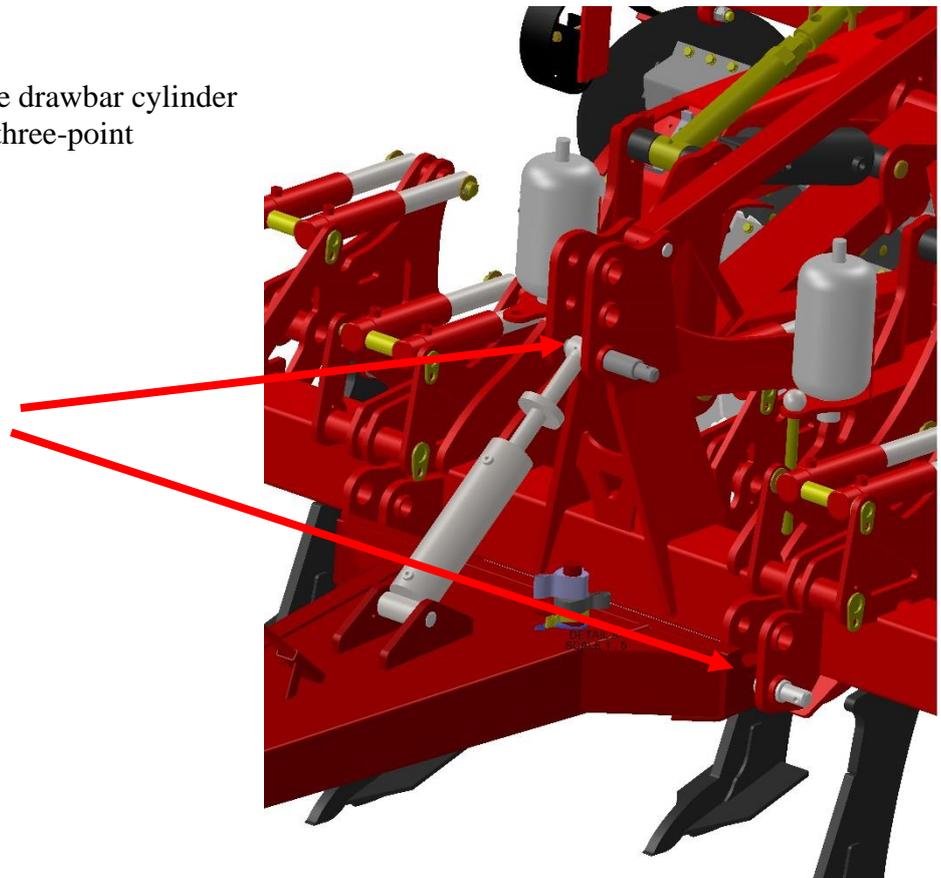
Mounting of the square tube roller or V-profile roller

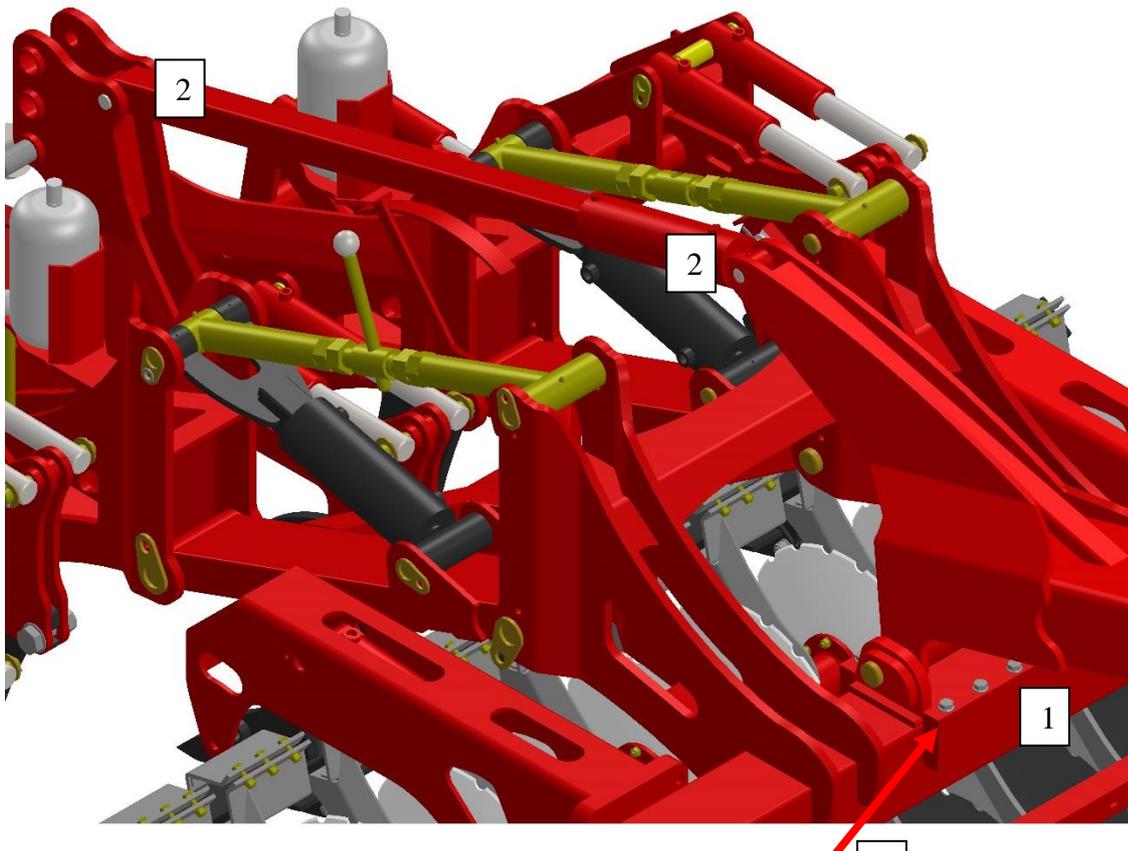
If the machine has been delivered disassembled, mount the roller behind the machine before the start-up.



Mounting of the drawbar and wheel frame on trailed models

Mount the drawbar and the drawbar cylinder in the lowest holes of the three-point suspension.





1. Mount the wheel frame bracket and wheel frame on the back of the main frame. 1

2. Then mount the wheel frame cylinder between the main frame and the wheel frame. 2

Attach the hydraulic hoses and fasten them in the parking device on the drawbar.

Setting and adjustment

When starting-up the Combi-Disc in the field, it is very important that the machine is parallel with the surface of the earth, the profile roller is at the rear and that the tractor is keeping the machine in an exact working depth.

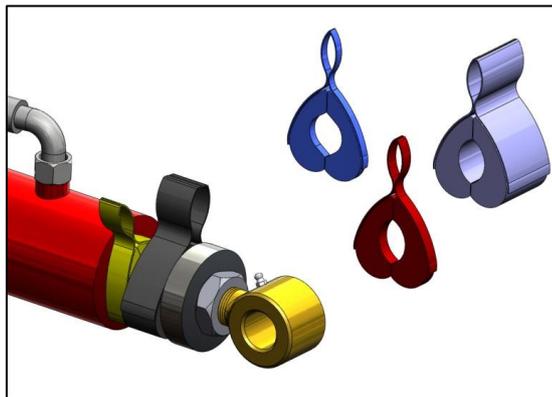
Draw adjustment

Three-point mounted models

For the three-point mounted models, it is important that the top link is adjusted correctly.

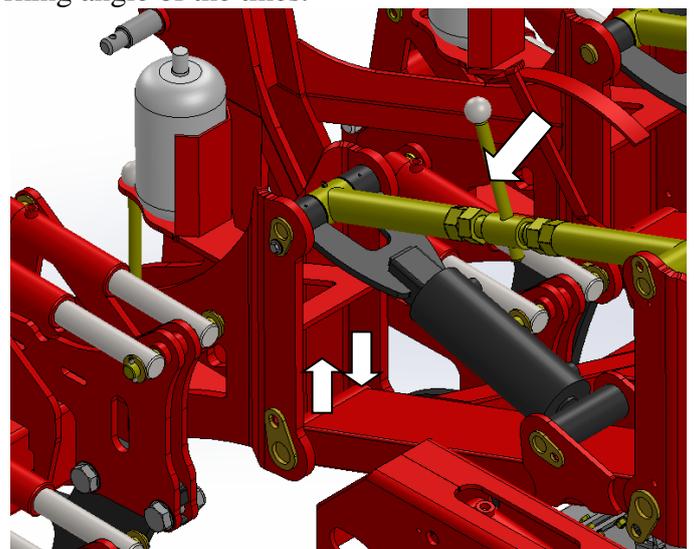
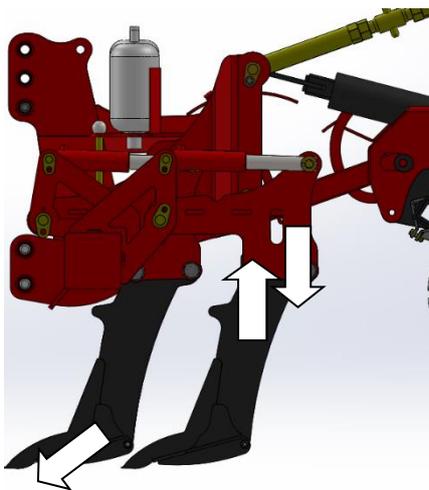
Trailed models

It is important to adjust the drawbar cylinder correctly by means of distance clips, which is placed on the drawbar box. Height on the towing eye is approx. 500 mm



Tines

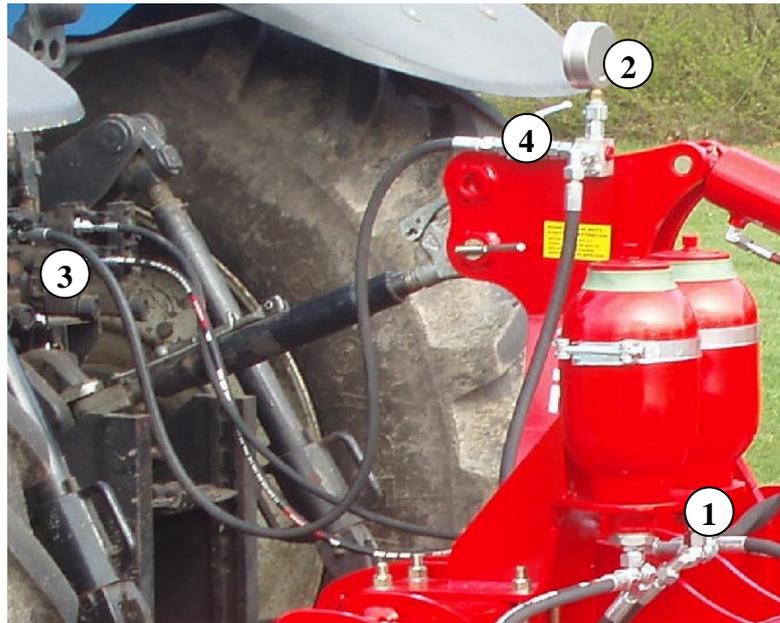
The working depth of the tines is adjusted hydraulically on the parallelogram, this means that the working depth is changed without changing the working angle of the tines.



Parallelogram adjustment for depth adjustment.

The working angle of the tines can be changed by means of the spindles on top of the machine.

Hydraulic automatic release system



1. Before each season it has to be controlled, that the gas pressure in the accumulator (Pos.1) is 110 bars. ⚠ This requires special tools and can only be performed by an authorized dealer.
2. Before the start-up of the machine the hydraulic pressure in the closed hydraulic stone protection system has to be controlled on the machine's pressure gauge (Pos. 2). The pressure has to be minimum 120 bar and must not exceed 160 bar.
3. **IMPORTANT** – the hydraulic pressure is to be controlled continuously and must never be under 120 bar.
4. If there is a need to adjust the working pressure, follow the below instructions:
 - a. Mount the quick coupling of the hydraulic hose (Pos. 3) in the tractor's oil outlet.
 - b. Turn on the ball valve (Pos. 4) and the working pressure can now be adjusted up or down with the tractor's oil outlet.
 - c. When the desired pressure is achieved, turn off the ball valve again (Pos. 4) and the tractor's hydraulic system is relieved before the quick coupling (Pos. 3) is dismantled and placed in the parking device of the machine.

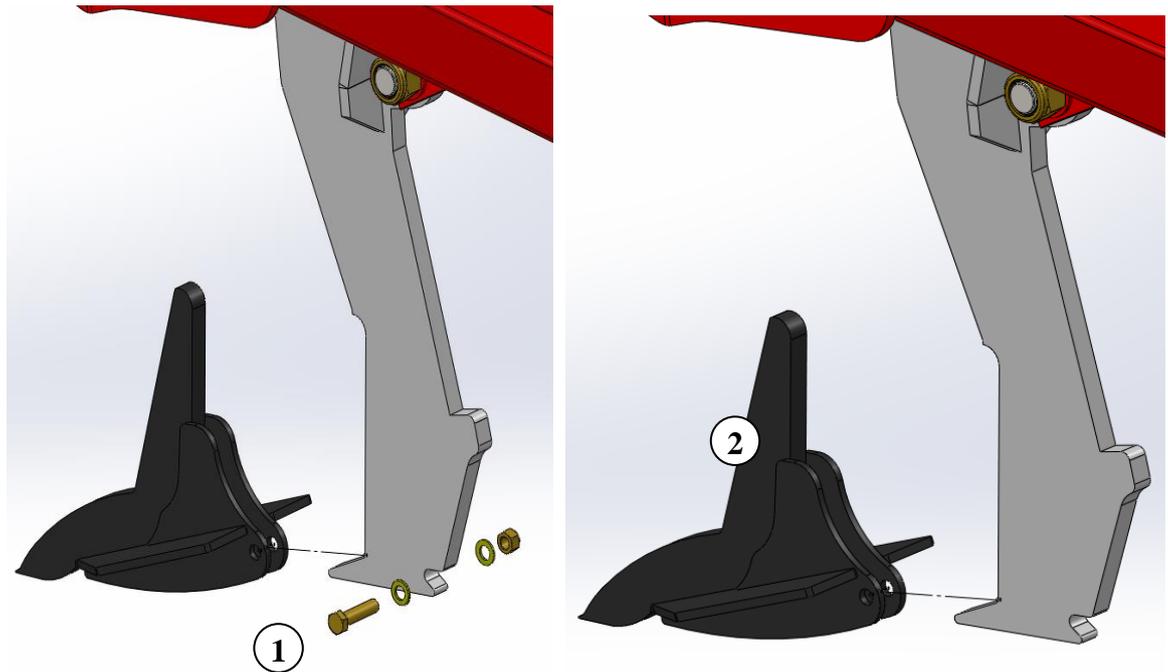
During the operation of the machine the tine is swinging automatically to the rear if it meets an obstacle. In normal circumstances the tine will automatically return to the working position again after having passed the obstacle. At extreme obstacles and/or soil conditions it might be necessary to stop and eventually lift the machine from the soil.



It is important that no persons is near to the machine as the tine is returning to the working position with high speed and might throw with soil and stones.



Replacement of wearing point



Before working with the machine's wearing points, the machine is to be fastened. This can be performed by trestles under the main frame or by a support of the roller.

The wearing point might fall off, when the bolt is removed – take care to avoid foot and leg injuries.

1. Dismount M16x65 mm **special bolt** (Pos. 1) by means of 2 pcs. 24 mm spanners.
2.  The wearing point might fall off, when the bolt is removed – take care to avoid foot and leg injuries.
3. Dismount the wearing point by pushing it forward. This might be difficult due to entrance of soil, and it might be a good idea to use a hammer.
4. Mount the new standard wearing point, item no. 645000044 (Pos. 2) by pushing the wearing point to the rear and then in its place.
5. Check the M16x65 mm bolt for eventual damages and replace it as required

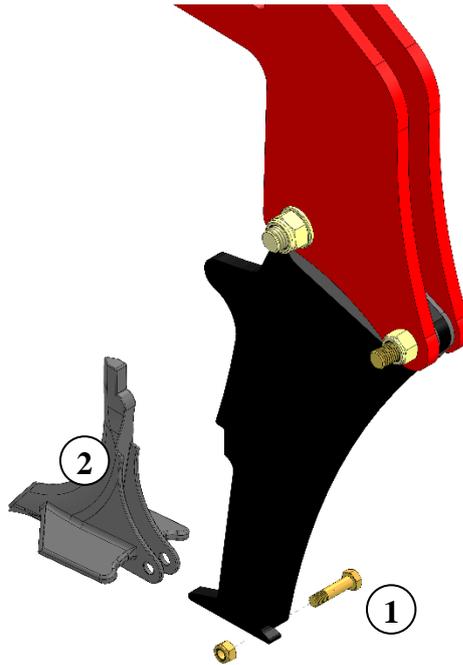
Item number: 0235852 + 0264090.

IMPORTANT

Please note that the M16x65 bolt is a special bolt and it is important to reorder an original bolt. The bolt ensures that the ears are not tightened together

6. Mount the M16 x 65 mm bolt (Pos. 1), lubricate and tighten it with 20 Nm. Be careful not to tighten too much – as the wearing point might be damaged.

Replacement of wearing point Easy Draft



Before working with the machine's wearing points, the machine is to be fastened. This can be performed by trestles under the main frame or by a support of the roller.

The wearing point might fall off, when the bolt is removed – take care to avoid foot and leg injuries.

1. Dismount M12x50 mm **special bolt** (Pos. 1) by means of 2 pcs. of spanners.
2.  The wearing point might fall off, when the bolt is removed – take care to avoid foot and leg injuries.
3. Dismount the wearing point by pushing it forward. This might be difficult due to entrance of soil, and it might be a good idea to use a hammer.
4. Mount the new standard Easy Draft wearing point, item no. 645000056 (Pos. 2) by pushing the wearing point to the rear and then in its place.
5. Check the M12x50 mm special bolt for eventual damages and replace it as required.
Item no. 0235372+0264070

IMPORTANT

Please note that the M12x50 bolt is a special bolt and it is important to reorder an original bolt. The bolt ensures that the ears are not tightened together

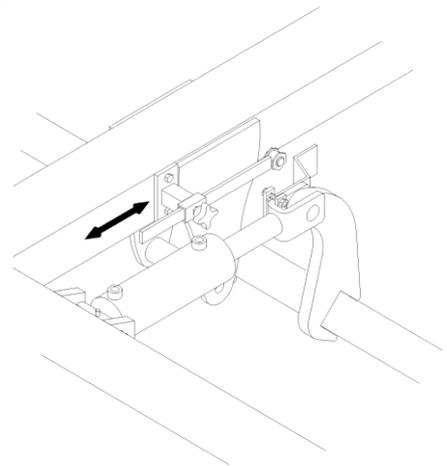
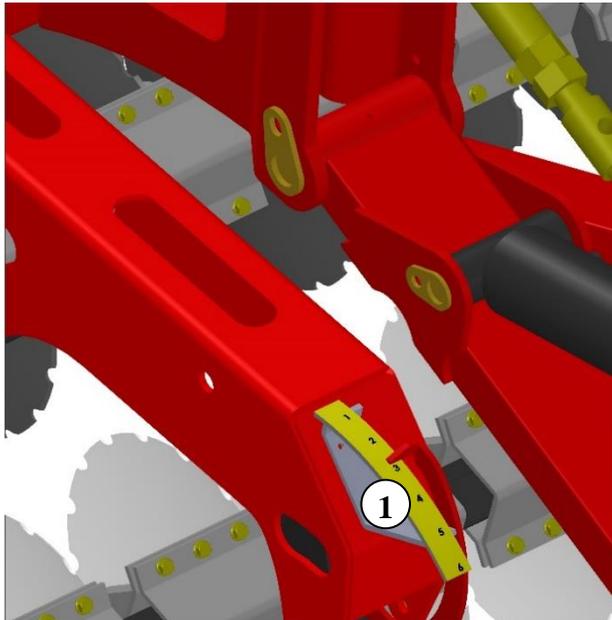
6. Mount the M12x50 mm bolt (Pos. 1), lubricate and tighten it with 20 Nm. Be careful not to tighten too much – as the wearing point might be damaged.

Disc

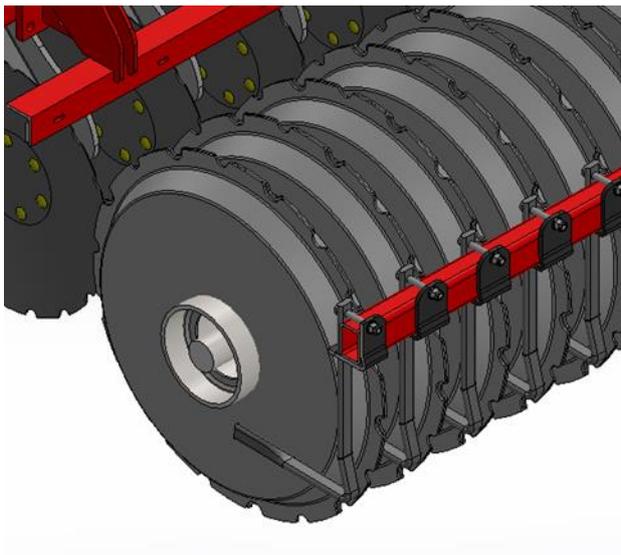
The working depth of the discs are adjusted hydraulically too. The depth position is readable on the scale (Pos. 1) (standard).

The sensor can be adjusted to the desired depth, where el. depth stop is mounted.

It is possible to over steer the electrical system by turning off the switch mounted in the cabin, now the discs can pass the sensor, thereby a deeper working depth is achieved.



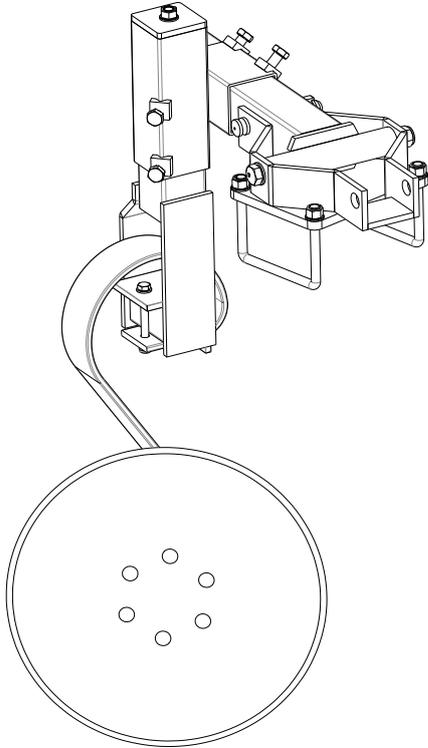
Scraper



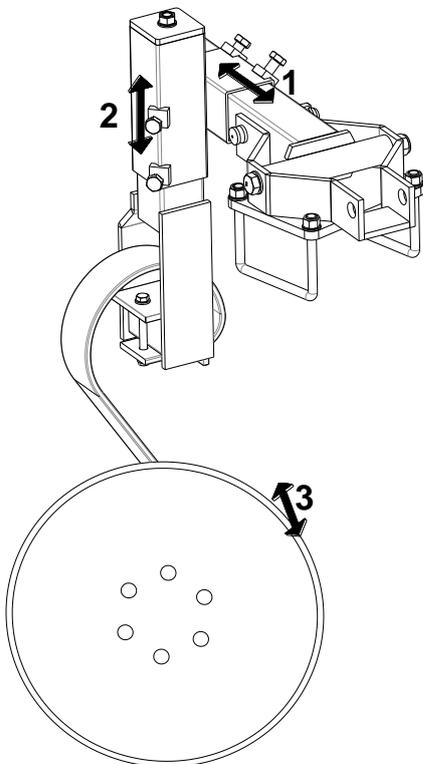
The Combi-Disc has scrapers of special steel among the rings on a V-Profile roller.

To avoid unnecessary wear and to obtain the best scraper effect it is important to check the centring of the scrapers every day.

Edge equipment



Adjust the edge equipment for the discs in the Combi-Disc so that the excavated soil is collected.
Keep the discs away from the ground to avoid bending when turning.



Edge equipment can be adjusted at three points:

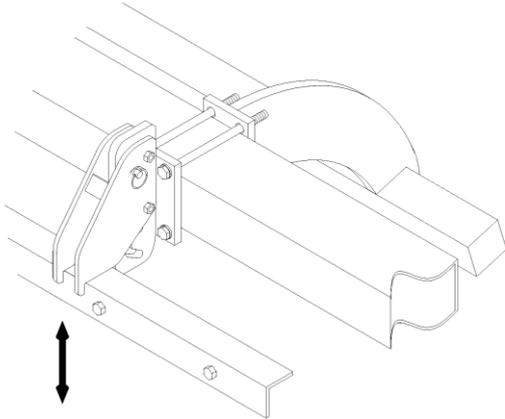
1. Loosen two bolts – move the arm out/in.
2. Use the spindle – it raises and lowers the disc. Loosen two bolts – raise/lower by the spindle and retighten the bolts.
3. Loosen one bolt – tilt the disc more or less.

Material damper guard

The Combi-Disc can be equipped with material damper guard, Ensuring that excavated soil from the discs is falling down before packing.

The material damper guard is height adjustable in 5 cm steps, by unlocking 1 pin in each bracket.

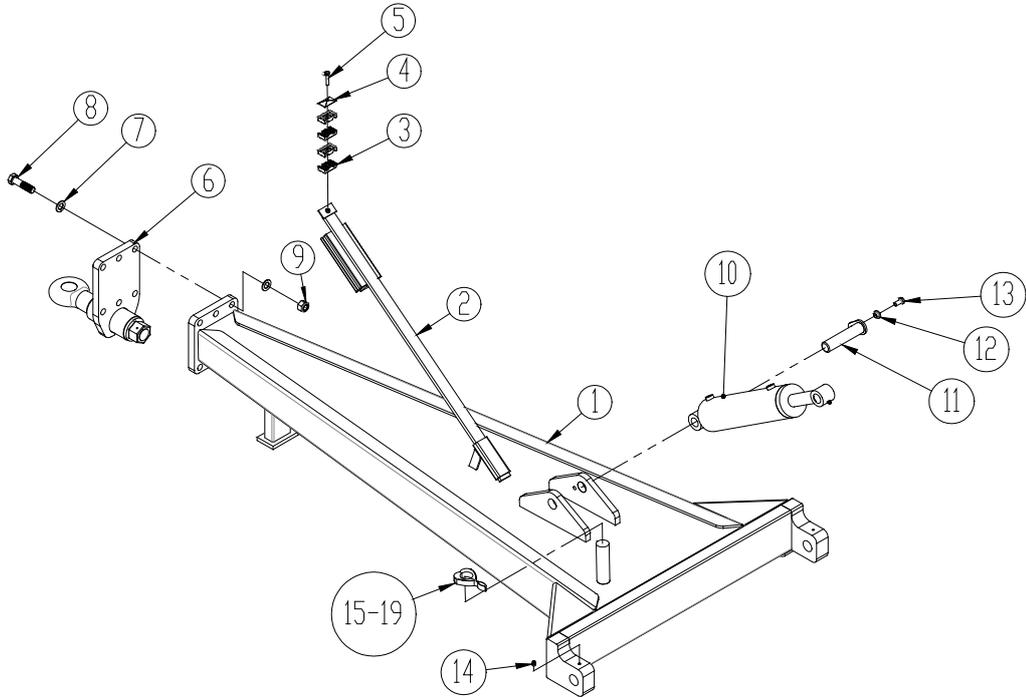
To dismount the material damper guard, unlock pins and unbolt.



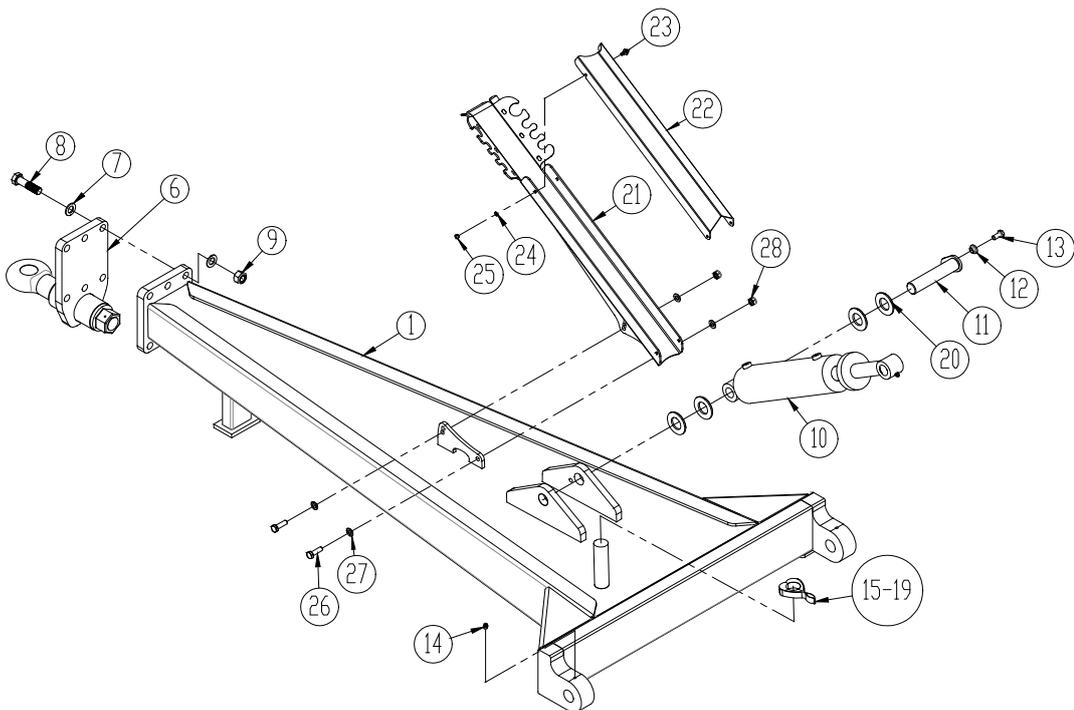
Spare parts list

Drawbar

Before february 2016



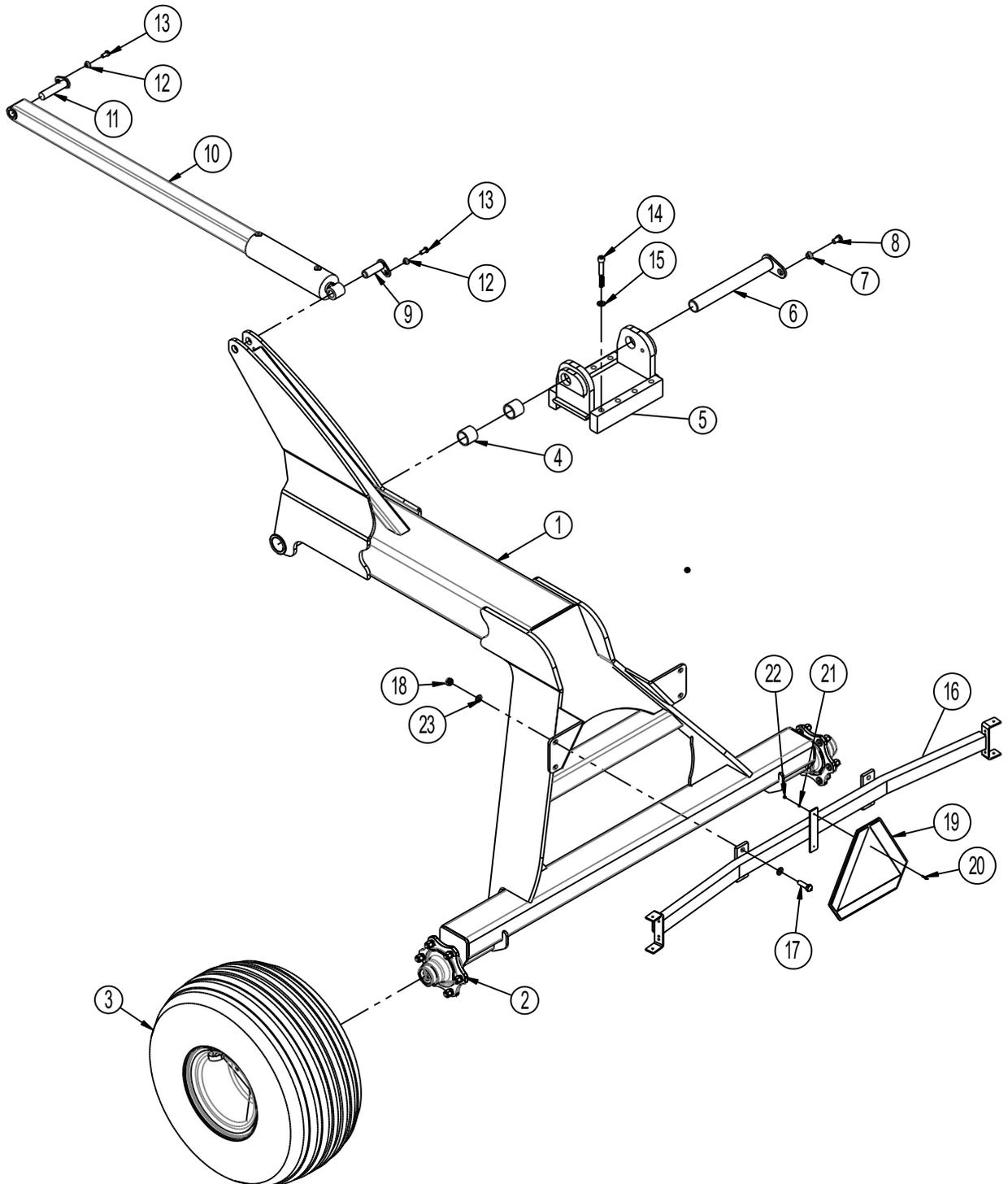
After february 2016



| Pos. | Item no. | Designation | Qty. |
|------|-----------|--|------|
| 1 | 645100404 | Drawbar (to february 2016) | 1 |
| | 1285054 | Drawbar (from february 2016) | 1 |
| 2 | 630771200 | Parking device for hose (to february 2016) | 1 |
| 3 | 0449430 | Tube support double Ø14/Ø14 (to february 2016) | 2 |
| 4 | 690210211 | Top plate f/tube support (to february 2016) | 1 |
| 5 | 0234790 | Bolt M8x40 (to february 2016) | 1 |
| 6 | 630757017 | Towing eye | 1 |
| 7 | 0272310 | Facet plate Ø20 | 12 |
| 8 | 690103069 | Bolt M20x80 | 6 |
| 9 | 0264110 | Self-locking nut M20 | 6 |
| 10 | 0462750 | Cylinder 90/40x280 Ø35/Ø32.5 for 3m Combi-Disc | 1 |
| | 690200274 | Gasket set for 0462750 | |
| | 0463302 | Cylinder 100/40x280 Ø35/Ø32.5 for 3,5m and 4,0m Combi-Disc | 1 |
| | 0463372 | Gasket set for 0463302 | |
| 11 | 69435155G | Pin Ø35 L=155 (to february 2016) | 1 |
| | 69435170G | Pin Ø35 L=170 (from february 2016) | 1 |
| 12 | 630532600 | Lock bush for pin head | 1 |
| 13 | 0235330 | Bolt M12x25 | 1 |
| 14 | 690136029 | Lubricating nipple M8 | 1 |
| 15 | 690200664 | Distance clips 6.2mm, blue | |
| 16 | 690200665 | Distance clips 9.4mm, red | |
| 17 | 690200666 | Distance clips 18.8mm, yellow | |
| 18 | 690200667 | Distance clips 31.6mm, black | |
| 19 | 690200668 | Distance clips 50.8mm, silver | |
| 20 | 0272380 | Facet plate ø36 (from feb 2016) | 4 |
| 21 | 7345004 | Hose holder (from feb 2016) | 1 |
| 22 | 7345003 | Screen for hose holder (from feb 2016) | 1 |
| 23 | 0246060 | Carriage bolt M6x16 (from feb 2016) | 4 |
| 24 | 0272240 | Facet plate Ø6 (from feb 2016) | 4 |
| 25 | 0264040 | Self-locking nut M6 (from feb 2016) | 4 |
| 26 | 0235360 | Bolt M12x40 (from feb 2016) | 2 |
| 27 | 0272270 | Facet plate Ø12 (from feb 2016) | 4 |
| 28 | 0264070 | Self-locking nut M12 (from feb 2016) | 2 |



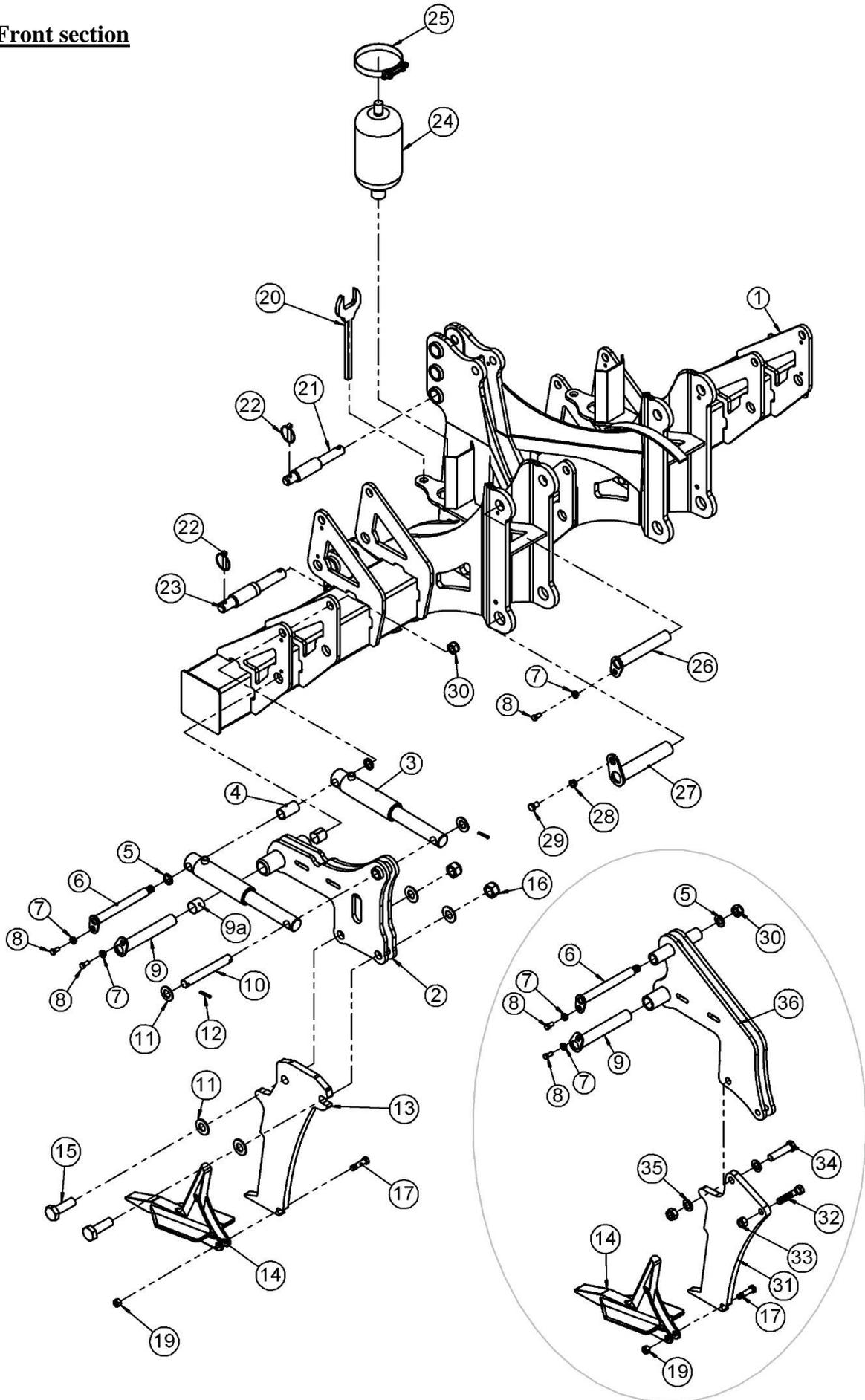
Wheel frame



| Pos. | Item no. | Designation | 3m | 3,5m | 4m |
|------|-----------|--|----|------|----|
| 1 | 1140873 | Wheel frame (to machine No 33644) | 1 | 1 | 1 |
| | 1141258 | Wheel frame (from machine No 33645) | 1 | 1 | 1 |
| | 1285060 | Wheel frame (twin-roller) (to machine No 33644) | 1 | 1 | 1 |
| | 1285149 | Wheel frame (twin-roller) (from machine No 33645) | 1 | 1 | 1 |
| 2 | 690141030 | Hub 2500 kg | 2 | 2 | 2 |
| | 0396420 | Sealing ring | | | |
| | 690140105 | Bearing 30208 | | | |
| | 690140111 | Bearing 30211 | | | |
| | 0396470 | Hub nut | | | |
| | 0396460 | Hub bolt | | | |
| | 690141033 | Hub cap | | | |
| | 0396480 | Castellated nut | | | |
| 3 | 0396300 | Wheel (complete) 400/60 15.5 14PR | 2 | 2 | 2 |
| 4 | 0475400 | Press-on bush EG Ø60/50x50mm | 2 | 2 | 2 |
| 5 | 645100313 | Tightening bracket for wheel support | 1 | 1 | 1 |
| 6 | 1160558 | Pin Ø50 L=396 | 1 | 1 | 1 |
| 7 | 630532700 | Locking bush | 1 | 1 | 1 |
| 8 | 0235760 | Bolt M16x25mm | 1 | 1 | 1 |
| 9 | 69430090G | Pin Ø30 L=90 (to machine No 33644) | 1 | 1 | 1 |
| | 69440090G | Pin Ø40 L=90 (from machine No 33645) | 1 | 1 | 1 |
| 10 | 645100310 | Cylinder for wheel support (to machine No 33644) | 1 | | 1 |
| | 1285030 | Cylinder for wheel support (to machine No 33644) | | 1 | |
| | 1285156 | Cylinder for wheel support (from machine No 33645) | 1 | | 1 |
| | 1285157 | Cylinder for wheel support (from machine No 33645) | | 1 | |
| | 690200274 | Gasket set | | | |
| 11 | 69430125G | Pin Ø30 L=125 | 1 | 1 | 1 |
| 12 | 630532600 | Locking bush | 2 | 2 | 2 |
| 13 | 0235330 | Bolt M12x25mm | 2 | 2 | 2 |
| 14 | 0228512 | Hexagon socket screws M16x120 12.9 DIN912 | 8 | 8 | 8 |
| 14 | 0227915 | Hexagon socket screws M16x90 12.9 DIN912 (To machine No 39603) | 8 | 8 | 8 |
| | 667086508 | Plastic cap, for protection of 8 x hexagon socket screws M16x90 12.9 (not shown in drawing) | 8 | 8 | 8 |
| 15 | 0272900 | Faceted disc Ø16 (hardened) FZV | 8 | 8 | 8 |
| 16 | 630835015 | Light bar | 1 | 1 | 1 |
| 17 | 690103197 | Bolt M16x50 | 4 | 4 | 4 |
| 18 | 0264090 | Self-locking nut M16 | 4 | 4 | 4 |
| 19 | 0521010 | Warning triangle | 1 | 1 | 1 |
| 20 | 0233860 | Bolt M5x20 | 2 | 2 | 2 |
| 21 | 0272230 | Facet plate Ø5 | 4 | 4 | 4 |
| 22 | 0264030 | Self-locking nut M5 | 2 | 2 | 2 |
| 23 | 0272290 | Faceted disc Ø16 | 8 | 8 | 8 |



Front section

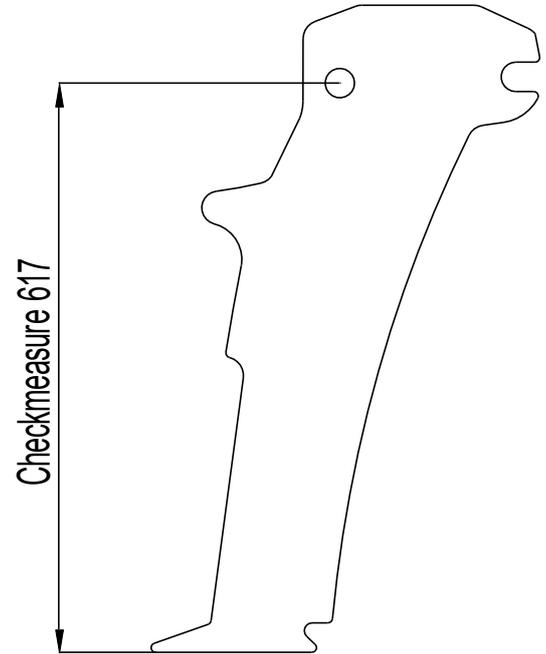
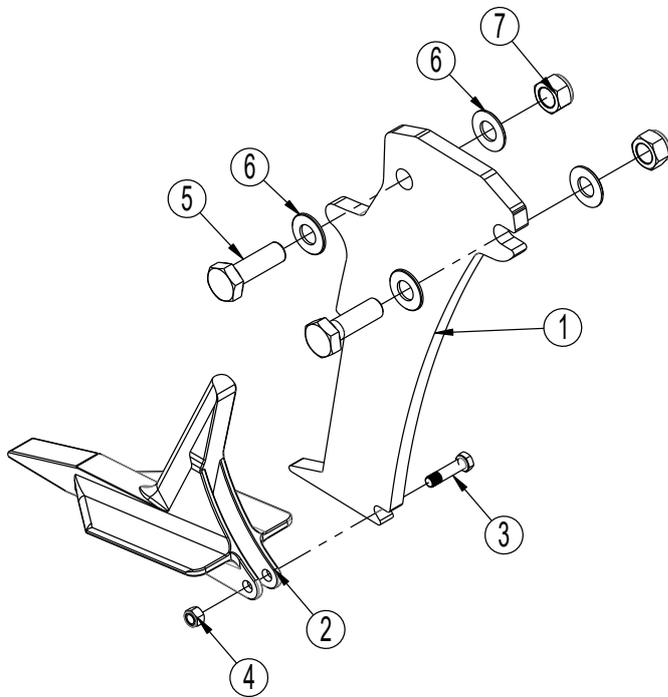


| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|--|------------|--------------|------------|
| 1 | 645100325 | Front section | 1 | | |
| | 645100435 | Front section | | 1 | |
| | 1285003 | Front section | | | 1 |
| 2 | 645100330 | Leg bracket for auto reset system | 5 | 6 | 7 |
| 3 | 690200344 | Cylinder 70x60x50 | 10 | 12 | 14 |
| 4 | 645100312 | Distance bush Ø40/Ø31 L=74 | 5 | 6 | 7 |
| 5 | 645100403 | Adjustment shim Ø40/Ø31 L=8 | 10 | 12 | 14 |
| 6 | 645100288 | Pin Ø30 L=262 | 5 | 6 | 7 |
| 7 | 630532600 | Locking bush | 12 | 14 | 16 |
| 8 | 0235330 | Bolt M12x25 | 12 | 14 | 16 |
| 9 | 645100290 | Pin Ø40 L=262 | 5 | 6 | 7 |
| 9a | 0475100 | Sliding bearing PCM Ø40/Ø44 L=40 <i>Until machine no. 40125</i> | 10 | 12 | 14 |
| 9a | 0475309 | I-Bushing EG ø44/40x40mm From machine no. 40126 | 10 | 12 | 14 |
| 10 | 645100339 | Pin Ø30 L=237 | 5 | 6 | 7 |
| 11 | 0272350 | Facet plate Ø30 | 30 | 36 | 42 |
| 12 | 0371700 | Retaining pin Ø8x50 | 10 | 12 | 14 |
| 13 | 645100196 | Leg <i>(See the following pages)</i> | 5 | 6 | 7 |
| 14 | 645000044 | Wearing point 200mm | 5 | 6 | 7 |
| | 645000043 | Wearing point 120mm | 5 | 6 | 7 |
| | 645000063 | Wearing point 350mm | 5 | 6 | 7 |
| 15 | 690103868 | Bolt M30x95 | 10 | 12 | 14 |
| 16 | 0264155 | Self-locking nut M30 | 10 | 12 | 14 |
| 17 | 0235852 | Bolt M16x65 (special bolt) | 5 | 6 | 7 |
| 19 | 0264090 | Self-locking nut M16 | 5 | 6 | 7 |
| 20 | 1285105 | Adjustment key | 1 | 1 | 1 |
| 21 | 69532105C | Pin for top link CAT ¾ Ø32/Ø44,5 L=288 | 1 | 1 | 1 |
| 22 | 690134008 | Ring pin Ø11,5mm | 3 | 3 | 3 |
| 23 | 69537105C | Pin for lower link CAT ¾ Ø37/Ø50 L=288 | 2 | 2 | 2 |
| 24 | 690206513 | Accumulator 4,5L 90 bar | 2 | 2 | 2 |
| 25 | 690206516 | Clamp for accumulator | 2 | 2 | 2 |
| 26 | 645100277 | Pin Ø40 L=250 | 2 | 2 | 2 |
| 27 | 645100281 | Pin Ø50 L=256 | 2 | 2 | 2 |
| 28 | 630532700 | Locking bush | 2 | 2 | 2 |
| 29 | 0235760 | Bolt M16x25 | 2 | 2 | 2 |
| 30 | 0264130 | Self-locking nut M24 | 5 | 6 | 7 |
| 31 | 1285197 | Leg <i>(See the following pages)</i> | 5 | 6 | 7 |
| 32 | 690152045 | Shearbolt M20x100 ST.10.9 <i>Ended</i> | 5 | 6 | 7 |
| 32 | 690152047 | Shearbolt M20x100 ST.10.9 +10% strength From machine no. 40202 | 5 | 6 | 7 |
| 33 | 0264110 | Self-locking nut M20 DIN985 | 5 | 6 | 7 |
| 34 | 0236415 | Bolt M24x100mm 10.9 | 5 | 6 | 7 |
| 35 | 0272330 | Facet plate Ø24mm | 5 | 6 | 7 |
| 36 | 1285195 | Leg bracket for shearbolt | 5 | 6 | 7 |



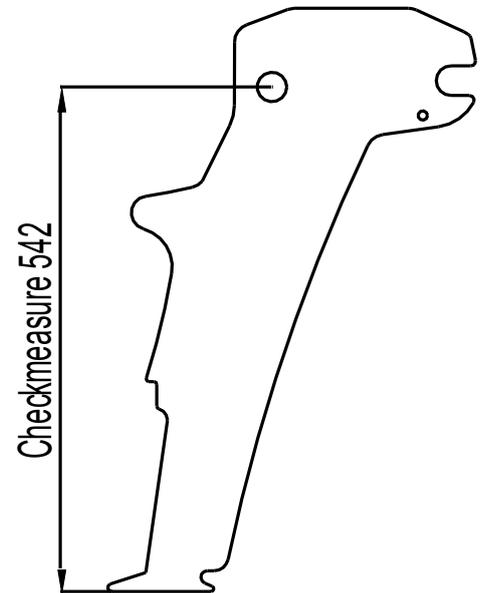
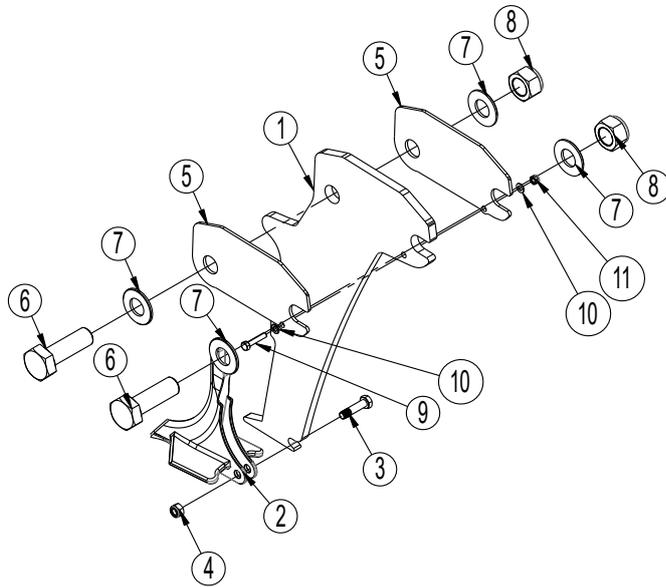
Leg

Hydraulic stone protection



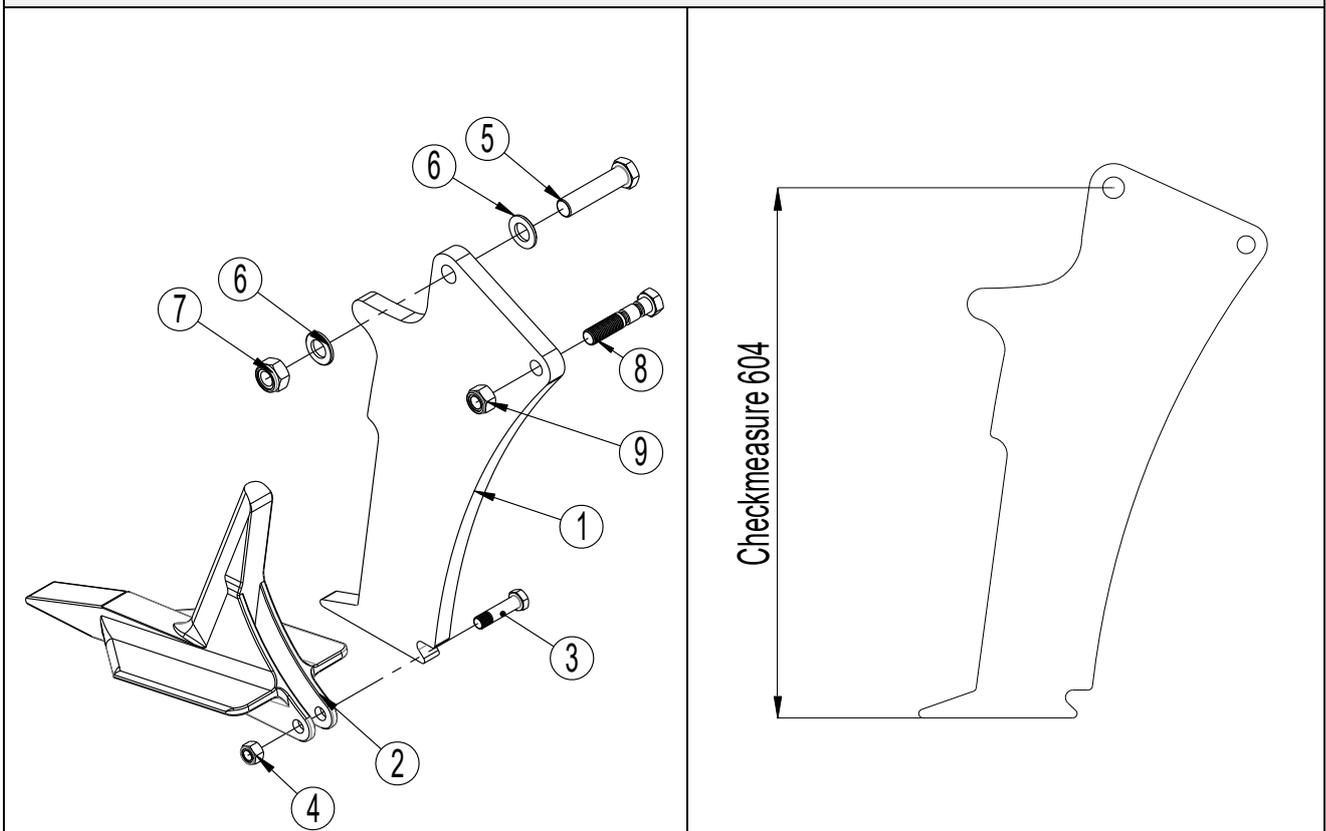
| Pos. | Item no. | Designation | Qty. per tine |
|------|------------|---------------------------------------|------------------|
| 1 | 645100196 | Leg | 1 |
| 2 | 645000044 | Wearing point 200mm | |
| | 645000044T | Wearing point 200mm w/tungsten | |
| | 645000043 | Wearing point 120mm | |
| | 645000043T | Wearing point 120mm w/tungsten | |
| | 645000063 | Wearing point 350mm | |
| 3 | 0235852 | Bolt M16x65 8.8 DIN931 Specialbolt | 1 |
| 4 | 0264090 | Self-locking nut M16 | 1 |
| 5 | 690103868 | Bolt M30x95 10.9 | 2 |
| 6 | 0272350 | Faceted disc Ø30 | 4 |
| 7 | 0264155 | Self-locking nut M30 | 2 |

Hydraulic stone protection Easy Draft



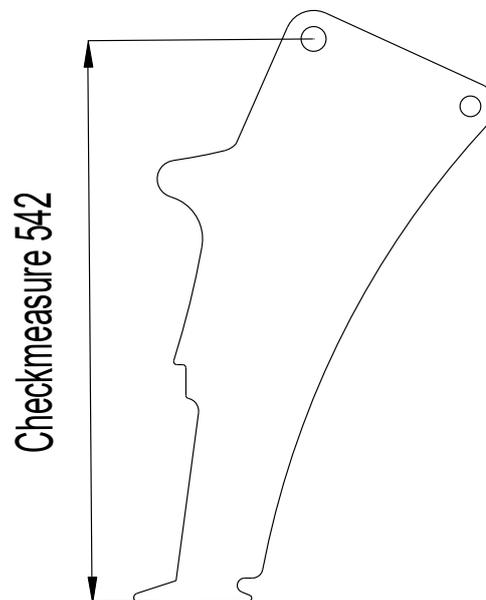
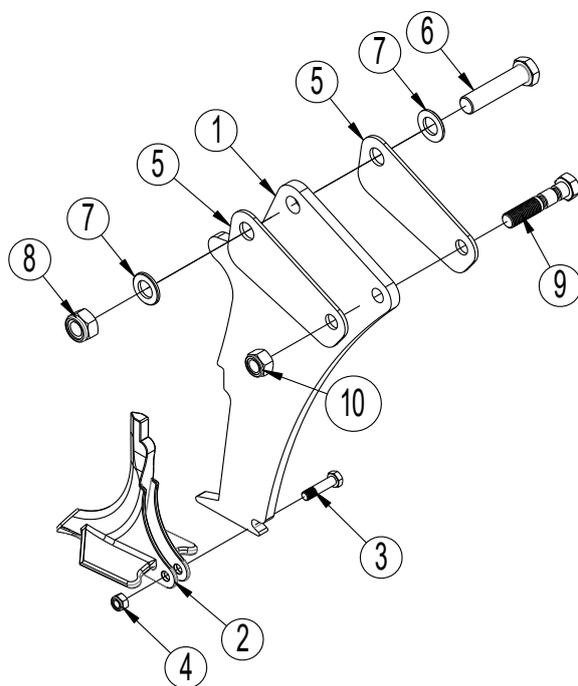
| Pos. | Item no. | Designation | Qty. per tine |
|------|------------|--|---------------|
| 1 | 1285089 | Leg | 1 |
| 2 | 645000054 | Wearing point w/tungsten center 200mm | |
| | 645000054T | Wearing point w/tungsten center/wing 200mm | |
| | 645000056 | Wearing point w/tungsten center 120mm | |
| | 645000056T | Wearing point w/tungsten center/wing 120mm | |
| 3 | 0235372 | Bolt M12x50mm 8.8.fzb DIN931 Specialbolt | 1 |
| 4 | 0264070 | Self-locking nut M12 DIN985 | 1 |
| 5 | 1285088 | Shims, 5mm, Easy-Draft ben | 2 |
| 6 | 690103868 | Bolt M30x95 10.9 (ISO7412) | 1 |
| 7 | 0272350 | Faceted disc Ø30 fzb DIN125B | 4 |
| 8 | 0264155 | Self-locking nut M30 | 2 |
| 9 | 0234790 | Bolt M8x40mm 8.8 fzb | 1 |
| 10 | 0272250 | Faceted disc Ø8mm, fzb | 2 |
| 11 | 0264050 | Self-locking nut M8 DIN985 | 1 |

Shear bolt stone protection



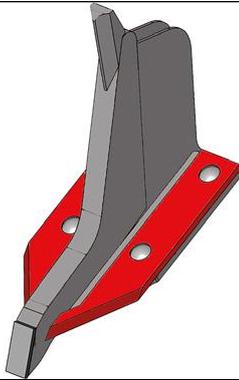
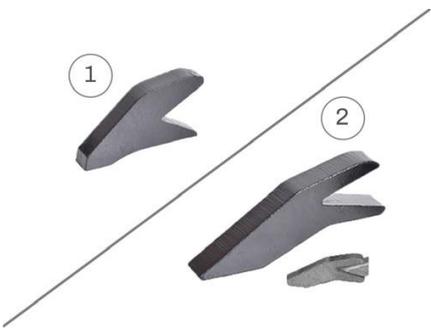
| Pos. | Item no. | Designation | Qty. per tine |
|------|------------|--|------------------|
| 1 | 1285197 | Leg | 1 |
| 2 | 645000044 | Wearing point 200mm | |
| | 645000044T | Wearing point 200mm w/tungsten | |
| | 645000043 | Wearing point 120mm | |
| | 645000043T | Wearing point 120mm w/tungsten | |
| | 645000063 | Wearing point 350mm | |
| 3 | 0235852 | Bolt M16x65 8.8 DIN931 Specialbolt | 1 |
| 4 | 0264090 | Self-locking nut M16 | 1 |
| 5 | 0236415 | Bolt M24x100 10.9 | 1 |
| 6 | 0272330 | Faceted disc Ø24 | 2 |
| 7 | 0264130 | Self-locking nut M24 DIN985 | 1 |
| 8 | 690152045 | Shear bolt M20x100 <i>ended</i> | 1 |
| 8 | 690152047 | Shearbolt M20x100 + 10% strength From machin no. 40202 | 1 |
| 9 | 0264110 | Self-locking nut M20 | 1 |

Shear bolt stone protection Easy Draft

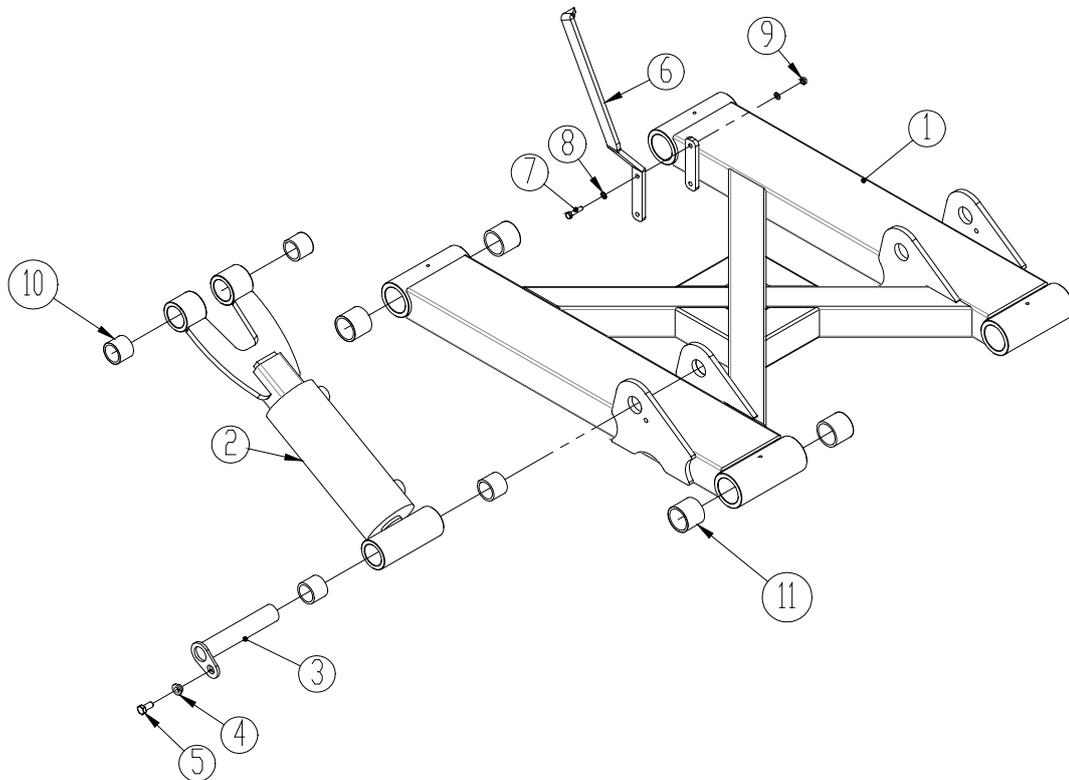


| Pos. | Item no. | Designation | Qty. per tine |
|------|------------|---|---------------|
| 1 | 1285225 | Leg | 1 |
| 2 | 645000054 | Wearing point w/tungsten center 200mm | |
| | 645000054T | Wearing point w/tungsten center/wing 200mm | |
| | 645000056 | Wearing point w/tungsten center 120mm | |
| | 645000056T | Wearing point w/tungsten center/wing 120mm | |
| 3 | 0235372 | Bolt M12x50mm 8.8.fzb DIN931 Specialbolt | 1 |
| 4 | 0264070 | Self-locking nut M12 DIN985 | 1 |
| 5 | 1285224 | Shims, 5mm, Easy-Draft ben | 2 |
| 6 | 0236410 | Bolt M24x100mm, 8.8 fzg | 1 |
| 7 | 0272330 | Faceted disc \varnothing 24mm | 2 |
| 8 | 0264130 | Self-locking nut M24 DIN985 | 2 |
| 9 | 1285330 | Shear bolt M20x100 10.9 | 1 |
| 10 | 0264110 | Self-locking nut M20 DIN985 | 1 |

Wearing points

| | | |
|---|--|--|
|  |  |  |
| Width of wing 120 mm 645000043 | Width of wing 200 mm 645000044 | Width of wing 350 mm 645000063 |
|  |  |  |
| With tungsten/hard metal Width of wing 120 mm 645000043T | Wear parts set incl bolts Mount on 645000044T 200 mm Width of wing 64509-22 350 mm Width of wing 64509-23 | Welding points Used for 645000044T Pos. 1 645000045T Used for 645000044 Pos. 2 645000045 |
|  |  | |
| Easy Draft 120 mm Wearing point w/tungsten center 645000056 | Easy Draft 200 mm Wearing point w/tungsten center/wing 645000054 | |
| 120 mm Wearing point w/tungsten center/wing 645000056T | 200 mm Wearing point w/tungsten center/wing 645000054T | |

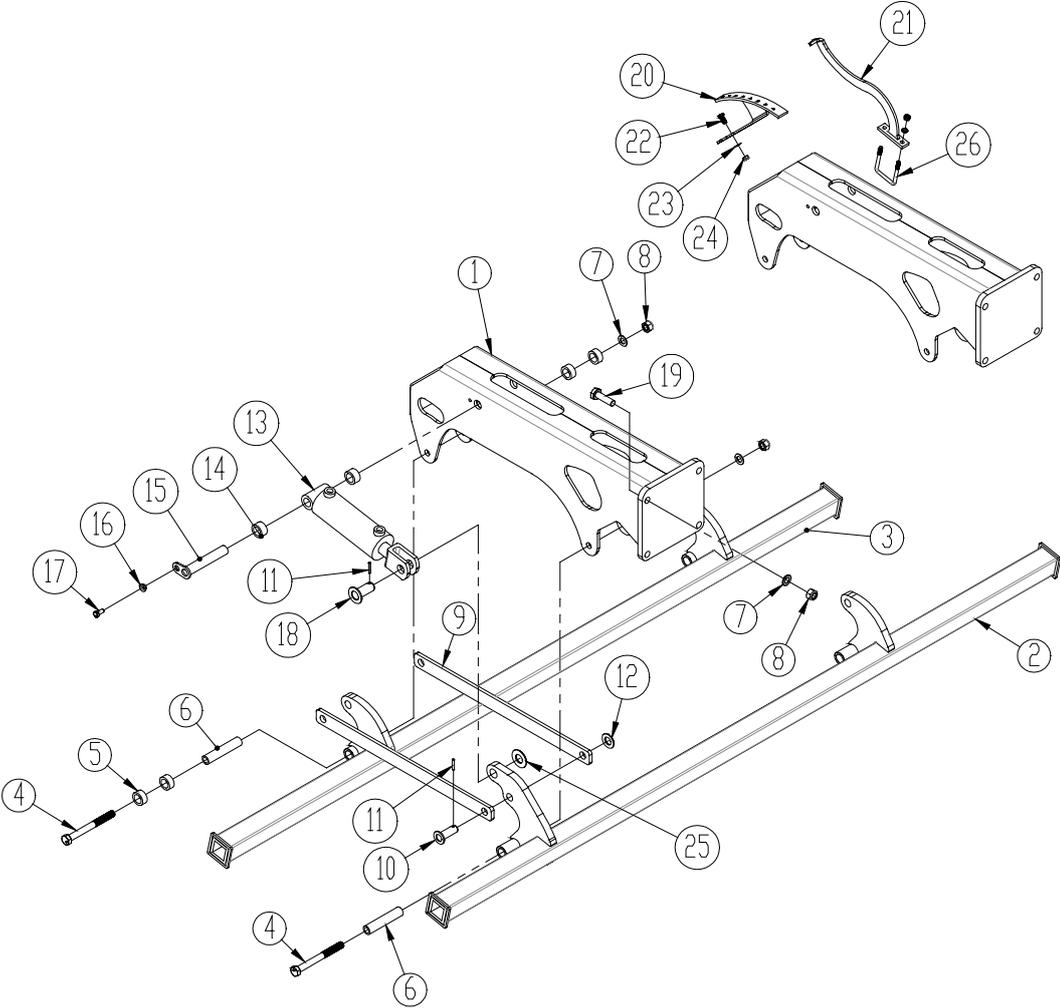
Notes:

Parallel guide

| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|------------------------------|------------|--------------|------------|
| 1 | 645100233 | Parallel guide | 1 | | 1 |
| | 1285021 | Parallel guide | | 1 | |
| 2 | 690200342 | Cylinder Ø100/50x250mm | 2 | 2 | 2 |
| 3 | 645100273 | Pin Ø40 L=213 | 2 | 2 | 2 |
| 4 | 630532600 | Locking bush | 2 | 2 | 2 |
| 5 | 0235330 | Bolt M12x25 | 2 | 2 | 2 |
| 6 | 645100369 | Pointer | 1 | 1 | 1 |
| 7 | 0234780 | Bolt M8x35 | 2 | 2 | 2 |
| 8 | 0272250 | Facet plate Ø8 | 4 | 4 | 4 |
| 9 | 0264050 | Self-locking nut M8 | 2 | 2 | 2 |
| 10 | 0475330 | Press-on bush EG Ø50/40x40mm | 8 | 8 | 8 |
| 11 | 0475400 | Press-on bush EG Ø60/50x50mm | 8 | 8 | 8 |



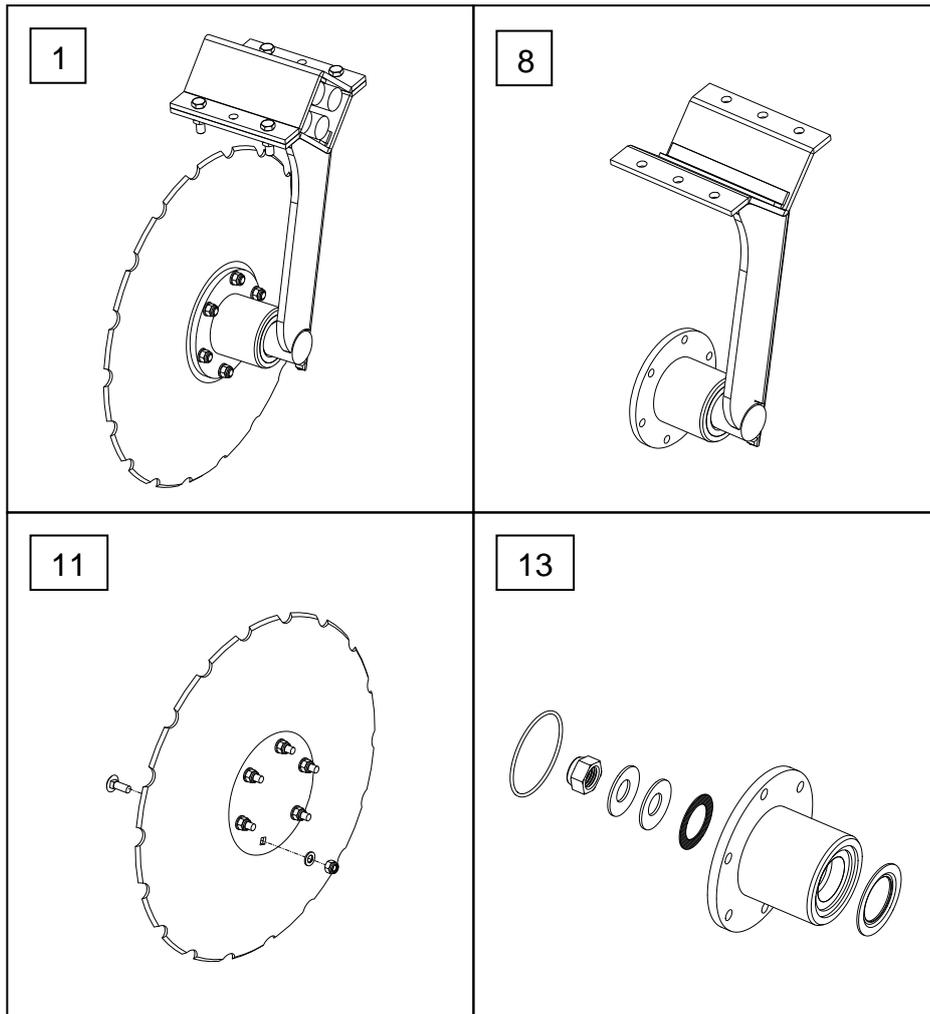
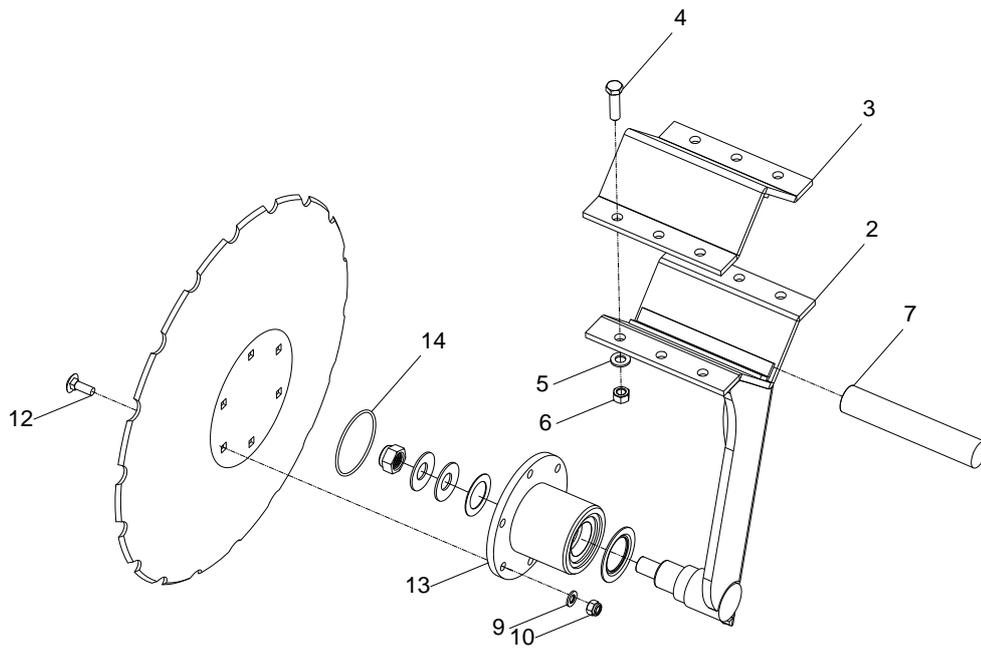
Disc support



| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|---------------------------|------------|--------------|------------|
| 1 | 630949071 | Horn | 2 | 2 | 4 |
| 2 | 645100224 | Rear bar | 1 | | |
| | 1285036 | Rear bar | | 1 | |
| | 1285001 | Rear bar | | | 1 |
| 3 | 645100218 | Front bar | 1 | | |
| | 1285034 | Front bar | | 1 | |
| | 1285000 | Front bar | | | 1 |
| 4 | 690103172 | Bolt M20x200 | 4 | 4 | 8 |
| 5 | 630949078 | Bush L=20mm | 8 | 8 | 16 |
| 6 | 630929130 | BK-tube Ø30x5mm L=148mm | 4 | 4 | 8 |
| 7 | 0272310 | Facet plate Ø20 | 12 | 12 | 24 |
| 8 | 0264110 | Self-locking nut M20 | 12 | 12 | 24 |
| 9 | 630949077 | Rod for parallel motion | 4 | 4 | 8 |
| 10 | 69525061F | Pin Ø25 L=61 | 4 | 4 | 8 |
| 11 | 690130132 | Roll pin Ø6x40 | 5 | 4 | 8 |
| 12 | 0272340 | Facet plate Ø27 | 4 | 4 | 8 |
| 13 | 690200123 | Cylinder 80/40x155 | 1 | 2 | 2 |
| 14 | 630949076 | Bush L=24mm | 2 | 4 | 4 |
| 15 | 69430175G | Pin Ø30 L=175 | 1 | 2 | 2 |
| 16 | 630532600 | Locking bush for pin head | 1 | 2 | 2 |
| 17 | 0235330 | Bolt M12x25 | 1 | 2 | 2 |
| 18 | 69530060F | Pin Ø30 L=58mm | 1 | 2 | 2 |
| 19 | 0236150 | Bolt M20x70 | 8 | 8 | 16 |
| 20 | 1285137 | Scale | 1 | 1 | 1 |
| 21 | 1285134 | Pointer | 1 | 1 | 1 |
| 22 | 0235050 | Bolt M10x30 | 2 | 2 | 2 |
| 23 | 0272260 | Facet plate Ø10 | 4 | 4 | 4 |
| 24 | 0264060 | Self-locking nut M10 | 4 | 4 | 4 |
| 25 | 0272350 | Facet plate Ø30 | 1 | 2 | 2 |
| 26 | 0382110 | U-bolt M10x70x70x70 | 1 | 1 | 1 |

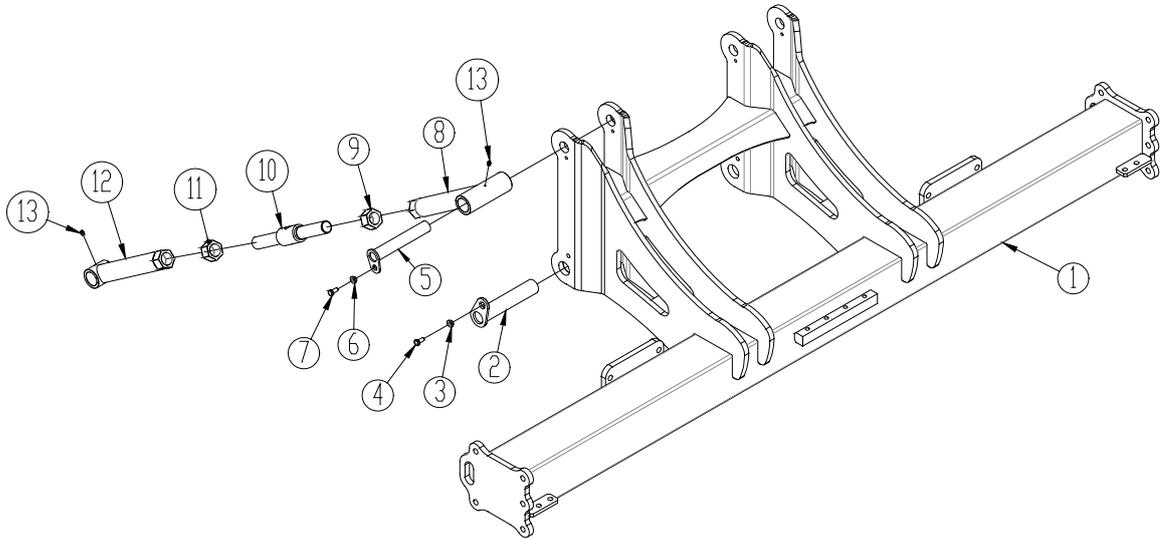


Disc

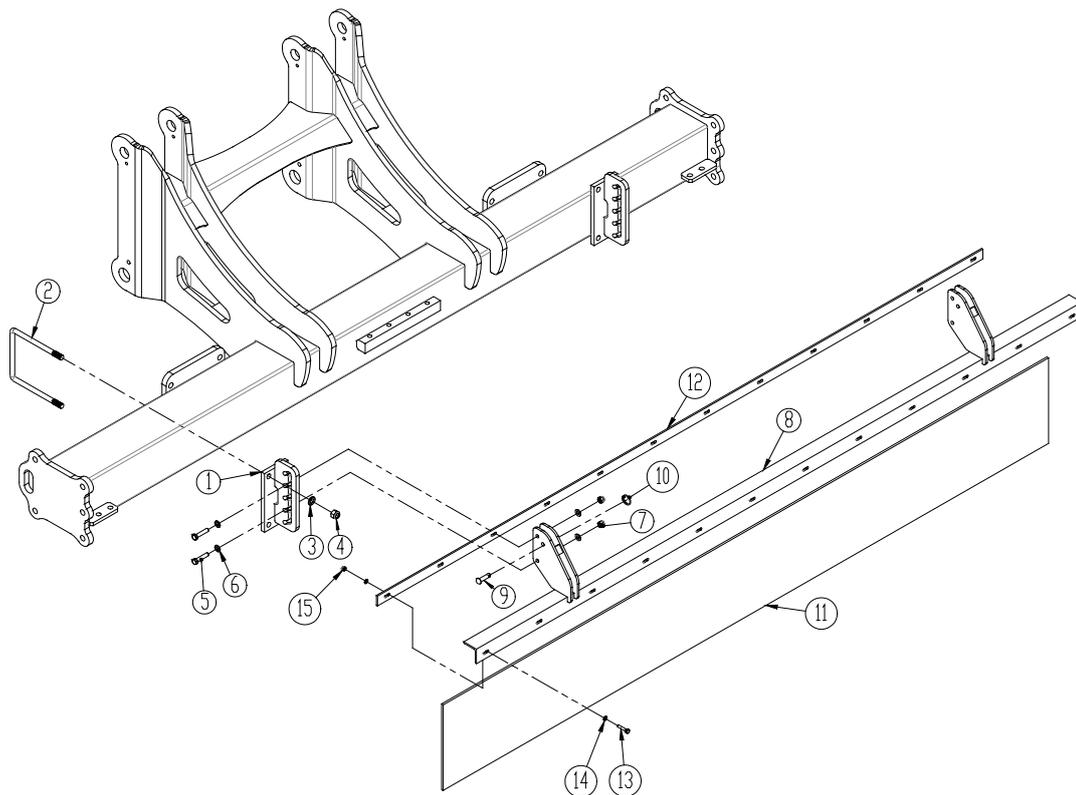


| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|--|------------|--------------|------------|
| 1 | 630949022 | Complete disc unit with carrier arm (left) (rear bar) | | | |
| 1 | 630949012 | Complete disc unit with carrier arm (right) (front bar) | | | |
| 2 | 630949026 | Carrier arm (left) | 11 | 13 | 15 |
| 2 | 630949016 | Carrier arm (right) | 11 | 13 | 15 |
| 3 | 630949046 | Clamping plate for carrier arm | 22 | 26 | 30 |
| 4 | 690103091 | Bolt M12x45 10.9 | 88 | 104 | 120 |
| 5 | 690117014 | Facet plate Ø12 | 88 | 104 | 120 |
| 6 | 690113013 | Self-locking nut M12 | 88 | 104 | 120 |
| 7 | 690210710 | Rubber cord Ø35 L=190 | 88 | 104 | 120 |
| 8 | 630949025 | Complete carrier arm with hub (left) (rear bar) | 11 | 13 | 15 |
| 8 | 630949015 | Complete carrier arm with hub (right) (front bar) | 11 | 13 | 15 |
| 9 | 690117012 | Facet plate Ø10 | 132 | 156 | 180 |
| 10 | 690113005 | Self-locking nut M10 | 132 | 156 | 180 |
| 11 | 690153508 | Sabre disc, scalloped Ø508 x 4,0 with 6 holes / flat centre. Incl bolts - facet plates - nuts | 22 | 26 | 30 |
| 12 | 690101210 | Bolt M10 x 30 (carriage bolt) 8.8 | 132 | 156 | 180 |
| 13 | 630949032 | Repair outfit / conversion set incl. hub | | | |
| 14 | 690140910 | O-Ring Ø 80.0 x 3.0mm | | | |
| 14 | 0483738 | O-ring Ø 84.50 x 3.0mm | | | |



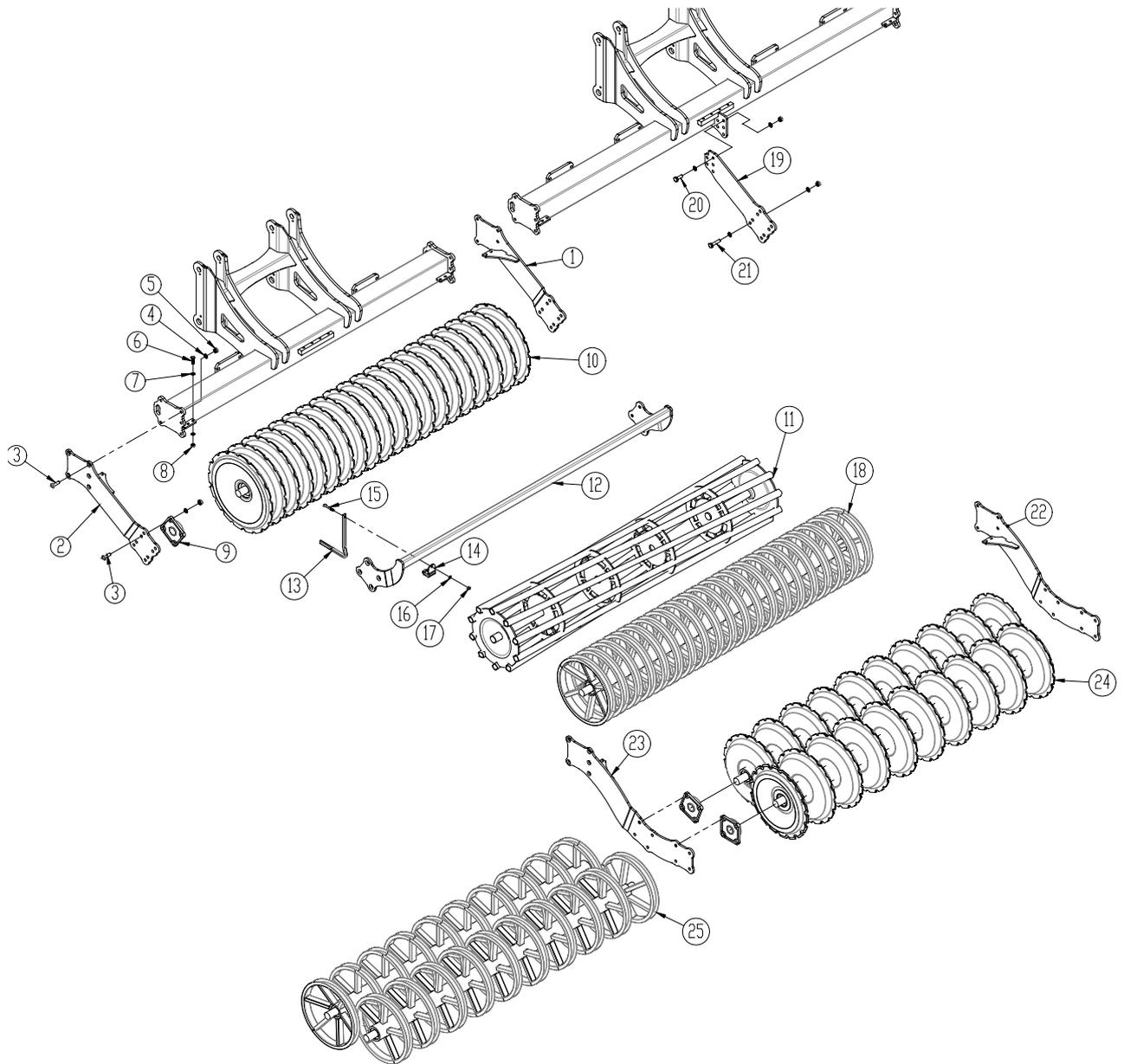
Rear section

| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|-----------------------------|------------|--------------|------------|
| 1 | 645100226 | Rear section | 1 | | |
| | 1285025 | Rear section | | 1 | |
| | 1285002 | Rear section | | | 1 |
| 2 | 645100281 | Pin Ø50 L=256 | 2 | 2 | 2 |
| 3 | 630532700 | Locking bush for pin head | 2 | 2 | 2 |
| 4 | 0235760 | Bolt M16x25 | 2 | 2 | 2 |
| 5 | 645100277 | Pin Ø40 L=250 | 2 | 2 | 2 |
| 6 | 630532600 | Locking bush for pin head | 2 | 2 | 2 |
| 7 | 0235330 | Bolt M12x25 | 2 | 2 | 2 |
| 8 | 645100265 | Tip for top link | 2 | 2 | 2 |
| 9 | 1170296 | Threaded nut (right-handed) | 2 | 2 | 2 |
| 10 | 645100267 | Middle part for top link | 2 | 2 | 2 |
| 11 | 1170295 | Threaded nut (left-handed) | 2 | 2 | 2 |
| 12 | 645100269 | Tip for top link | 2 | 2 | 2 |
| 13 | 0432500 | Lubricating nipple | 4 | 4 | 4 |

Material damper guard

| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|---------------------------|------------|--------------|------------|
| 1 | 645100423 | Bracket | 2 | 2 | 4 |
| 2 | 690110109 | U-bolt M16x180x180x180 | 4 | 4 | 8 |
| 3 | 0272290 | Facet plate Ø16 | 8 | 8 | 16 |
| 4 | 0264090 | Self-locking nut M16 | 8 | 8 | 16 |
| 5 | 0235390 | Bolt M12x55 | 4 | 4 | 8 |
| 6 | 0272270 | Facet plate Ø12 | 8 | 8 | 16 |
| 7 | 0264070 | Self-locking nut M12 | 4 | 4 | 8 |
| 8 | 645100430 | L-bar | 1 | | |
| | 1285041 | L-bar | | 1 | |
| | 1285011 | L-bar (left) | | | 1 |
| | 1285130 | L-bar (right) | | | 1 |
| 9 | 69512040k | Round head pin Ø12,5 L=40 | 2 | 2 | 4 |
| 10 | 0431975 | Retaining ring | 2 | 2 | 4 |
| 11 | 645100449 | Rubber mat | 1 | | |
| | 1285160 | Rubber mat | | 1 | |
| | 1285121 | Rubber mat | | | 2 |
| 12 | 645100446 | Mounting rail | 1 | | |
| | 1285043 | Mounting rail | | 1 | |
| | 1285013 | Mounting rail | | | 2 |
| 13 | 0234790 | Bolt M8x40 | 12 | 14 | 16 |
| 14 | 0272250 | Facet plate Ø8 | 24 | 28 | 32 |
| 15 | 0264050 | Self-locking nut M8 | 12 | 14 | 16 |

Roller bar



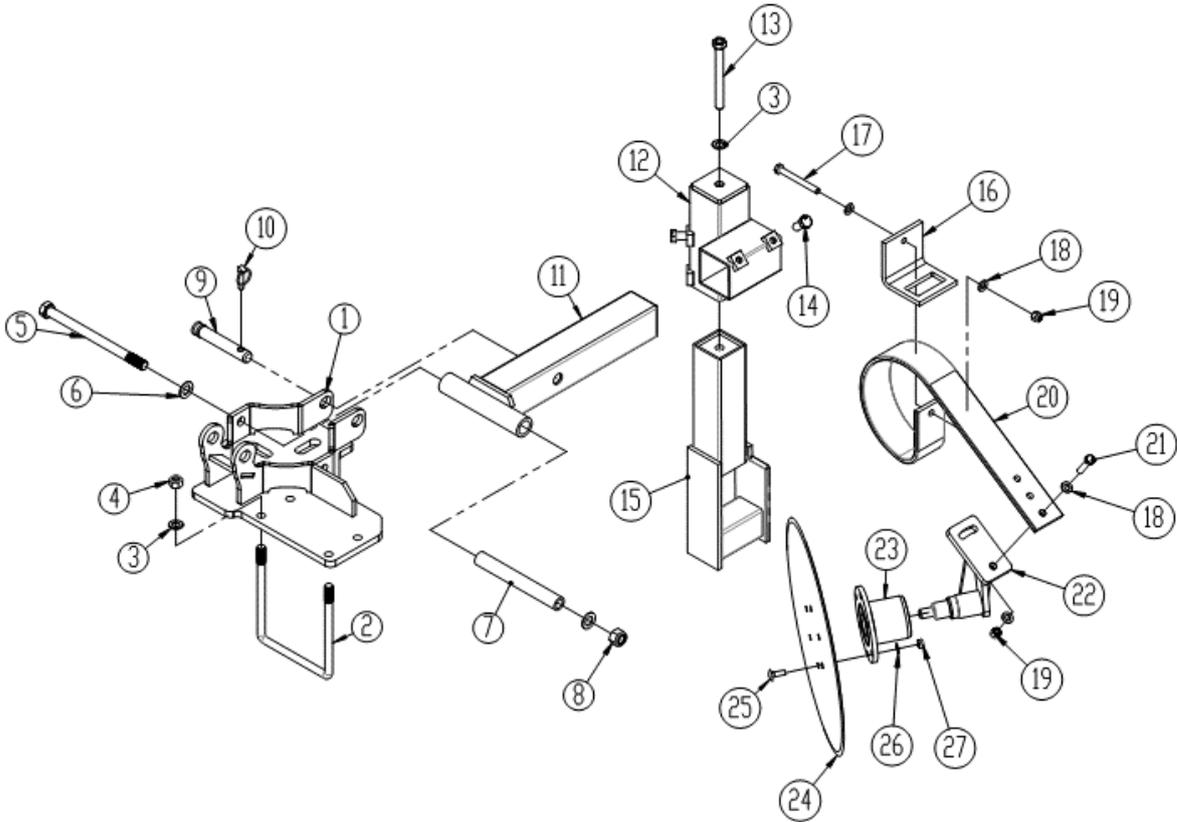
| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|---|------------|--------------|------------|
| 1 | 645100445 | Arm for roller bar f/Ø600 og Ø700mm roller bar (right) | 1 | 1 | 1 |
| 2 | 645100444 | Arm for roller bar f/Ø600 og Ø700mm valse (left) | 1 | 1 | 1 |
| 3 | 0229260 | Bolt (hexagon socket) M20x80mm | 18 | 18 | 18 |
| | | Bolt (hexagon socket) M20x80mm (Twin) | 26 | 26 | 26 |
| 4 | 0272310 | Facet plate Ø20 | 18 | 18 | 18-36 |
| | | Facet plate Ø20 (Twin) | 26 | 26 | 26 |
| 5 | 0264110 | Self-locking nut M20 | 18 | 18 | 18-27 |
| | | Self-locking nut M20 (Twin) | 26 | 26 | 26 |



| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|---|------------|--------------|------------|
| 6 | 0235810 | Bolt M16x50mm | 4 | 4 | 4 |
| 7 | 0272290 | Facet plate Ø16 | 8 | 8 | 8 |
| 8 | 0264090 | Self-locking nut M16 | 4 | 4 | 4 |
| 9 | 0478971 | Bearing UCF312 (with one roller) | 2 | 2 | 4 |
| | | Bearing UCF312(with Twin roller) | 4 | 4 | 4 |
| 10 | 1160470 | V-profile roller Ø600mm ringes | 1 | | |
| | 7451018 | V-profile roller Ø700mm ringes | 1 | | |
| | 1160480 | V-profile roller Ø600mm ringes | | 1 | |
| | 7451049 | V-profile roller Ø700mm ringes | | 1 | |
| | 7451096 | V-profile roller Ø600mm ringes | | | 2 |
| | 7451099 | V-profile roller Ø700mm ringes | | | 2 |
| 11 | 1048240 | Square tube roller | 1 | | |
| | 1048280 | Square tube roller | | 1 | |
| | 1048330 | Square tube roller | | | 1 |
| 12 | 645100280 | Scraper bar f/600 mm V-profile and U-profile roller | 1 | | |
| | 645100426 | Scraper bar f/700 mm V-profile roller | 1 | | |
| | 1285038 | Scraper bar f/Ø600 mm V-profile and U-profile roller | | 1 | |
| | 1285040 | Scraper bar f/Ø700 mm V-profile roller | | 1 | |
| | 1285009 | Scraper bar f/Ø600 mm V-profile and U-profile roller | | | 1 |
| | 1285046 | Scraper bar f/Ø700 mm V-profile roller | | | 1 |
| 13 | 630938520 | Scraper (Ø600mm roller) | 19 | 22 | 26 |
| | 630938521 | Scraper (Ø700mm roller) | 19 | 22 | 26 |
| 14 | 630938522 | Clamping bracket | 19 | 22 | 26 |
| 15 | 0235450 | Bolt M12x90 | 19 | 22 | 26 |
| 16 | 0272270 | Facet plate Ø12 | 19 | 22 | 26 |
| 17 | 0264070 | Self-locking nut M12 | 19 | 22 | 26 |
| 18 | 7450029 | U- profile roller Ø600mm ringes | 1 | | |
| | 7450048 | U- profile roller Ø600mm ringes | | 1 | |
| | 7450050 | U- profile roller Ø600mm ringes | | | 1 |
| 19 | 1285131 | Arm for roller bar (center) | | | 1 |
| 20 | 0236130 | Bolt M20x60 | | | 5 |
| 21 | 0236180 | Bolt M20x90 | | | 4 |
| 22 | 1285064 | Arm for roller bar (Twin) f/Ø600mm roller (right) | 1 | 1 | 1 |
| 23 | 1285056 | Arm for roller bar (Twin) f/Ø600mm roller (left) | 1 | 1 | 1 |
| 24 | 7451078 | V- profile roller Ø600mm ringes (Twin) | 2 | | |
| | 7451061 | V- profile roller Ø600mm ringes (Twin) | | 2 | |
| | 7451066 | V- profile roller Ø600mm ringes (Twin) | | | 2 |
| 25 | 7450013 | U- profile roller Ø600mm ringes (Twin) | 2 | | |
| | 7450041 | U- profile roller Ø600mm ringes (Twin) | | 2 | |
| | 7450044 | U- profile roller Ø600mm ringes (Twin) | | | 2 |

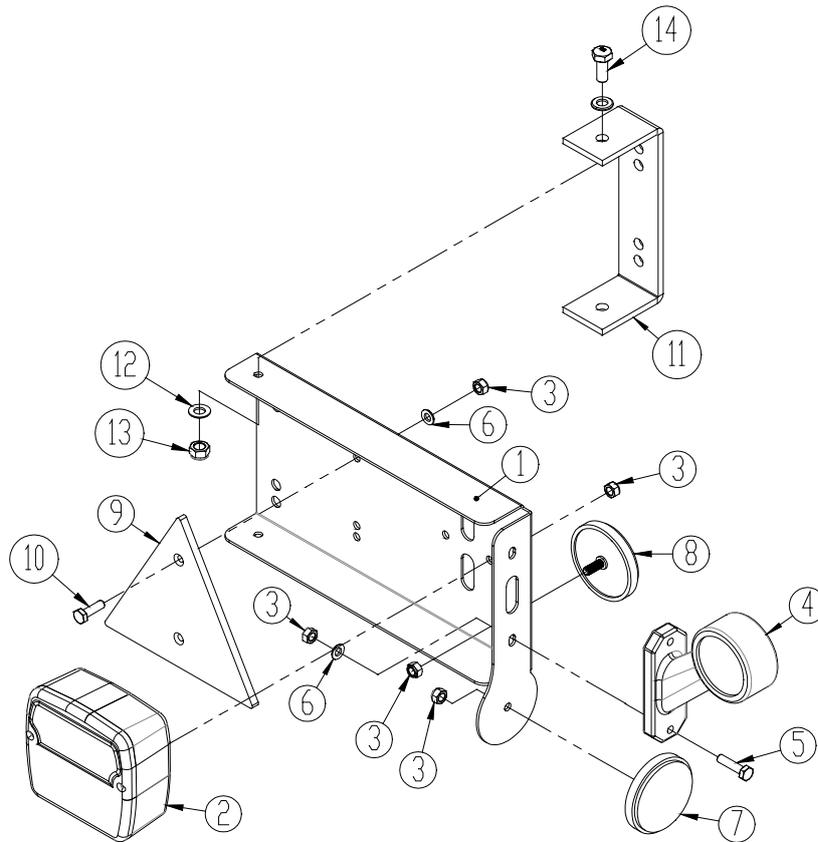


Edge equipment



| Pos. | Item no. | Designation | Qty. |
|------|-----------|--------------------------|------|
| 1 | 645100371 | Bracket f/edge equipment | 1 |
| 2 | 690110109 | U-bolt M16 x 180x180x180 | 2 |
| 3 | 0272290 | Facet plate Ø16 | |
| 4 | 0264090 | Self-locking nut M16 | |
| 5 | 0236315 | Bolt M20x280 | 1 |
| 6 | 0272310 | Facet plate Ø20 | 2 |
| 7 | 630943095 | BK-tube 30x5mm L=233 | 1 |
| 8 | 0264110 | Self-locking nut M20 | 1 |
| 9 | 69525107J | Pin Ø25 L=107 | 1 |
| 10 | 0378600 | Ring split | 1 |
| 11 | 630943090 | Joint f/edge equipment | 1 |
| 12 | 630943099 | Spindle cross joint | 1 |
| 13 | 630943109 | Adjusting bolt | 1 |
| 14 | 690103124 | Bolt M16x35 | 4 |
| 15 | 630943102 | Spindle | 1 |
| 16 | 0422390 | Clamp for tine | 1 |
| 17 | 690103098 | Bolt M12x110 | 1 |
| 18 | 0272270 | Facet plate Ø12 | 4 |
| 19 | 0264070 | Self-locking nut M12 | 2 |
| 20 | 0422145 | Tine 80x10mm | 1 |
| 21 | 0235380 | Bolt M12x50 | 1 |
| 22 | 630943080 | Console for axle | 1 |
| 23 | 630949035 | Complete hub | 1 |
| 24 | 690153509 | Disc | 1 |
| 25 | 0248421 | Carriage bolt M10x30 | 6 |
| 26 | 0272260 | Facet plate Ø10 | 6 |
| 27 | 0264060 | Self-locking nut M10 | 6 |

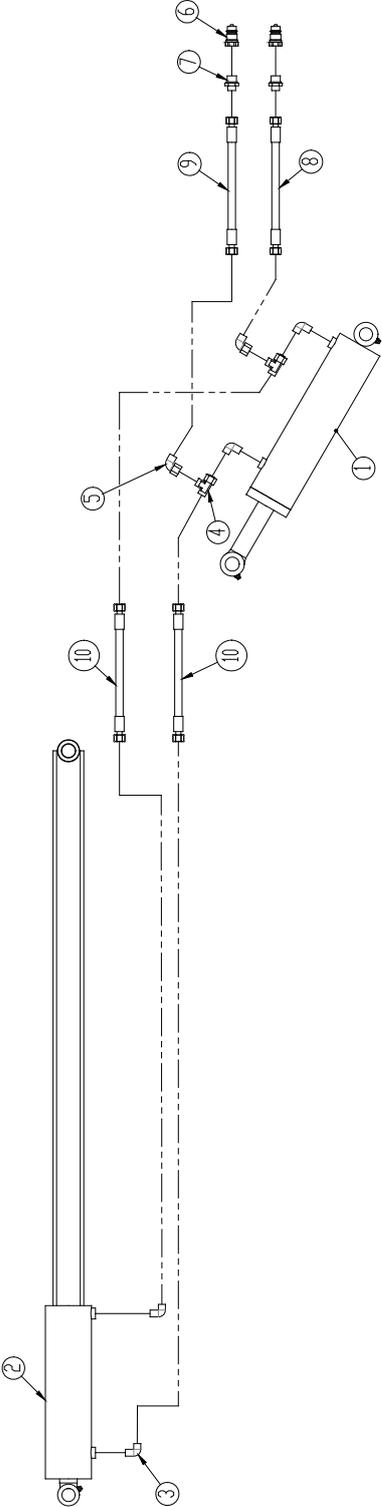


LED-Light

| Pos. | Item no. | Designation | Qty. |
|------|----------|------------------------|------|
| 1 | 7357505 | Light bracket, left | 1 |
| | 7357508 | Light bracket, right | 1 |
| 2 | 7357504 | Rear light | 2 |
| 3 | 0264030 | Self-locking nut M5 | 16 |
| 4 | 7357507 | Marking lights (left) | 1 |
| | 7357509 | Marking lights (right) | 1 |
| 5 | 0234860 | Bolt M5x20 | 4 |
| 6 | 0272230 | Facet plate Ø5 | 8 |
| 7 | 0656240 | Reflex, yellow | 2 |
| 8 | 0656250 | Reflex, white | 2 |
| 9 | 0521030 | Reflex, red | 2 |
| 10 | 0234860 | Bolt M5x20 | 4 |
| 11 | 7357516 | Bracket | 2 |
| 12 | 0272240 | Facet plate Ø6 | 8 |
| 13 | 0264040 | Self-locking nut M6 | 4 |
| 14 | 0234330 | Bolt M6x20 | 4 |

Hydraulics

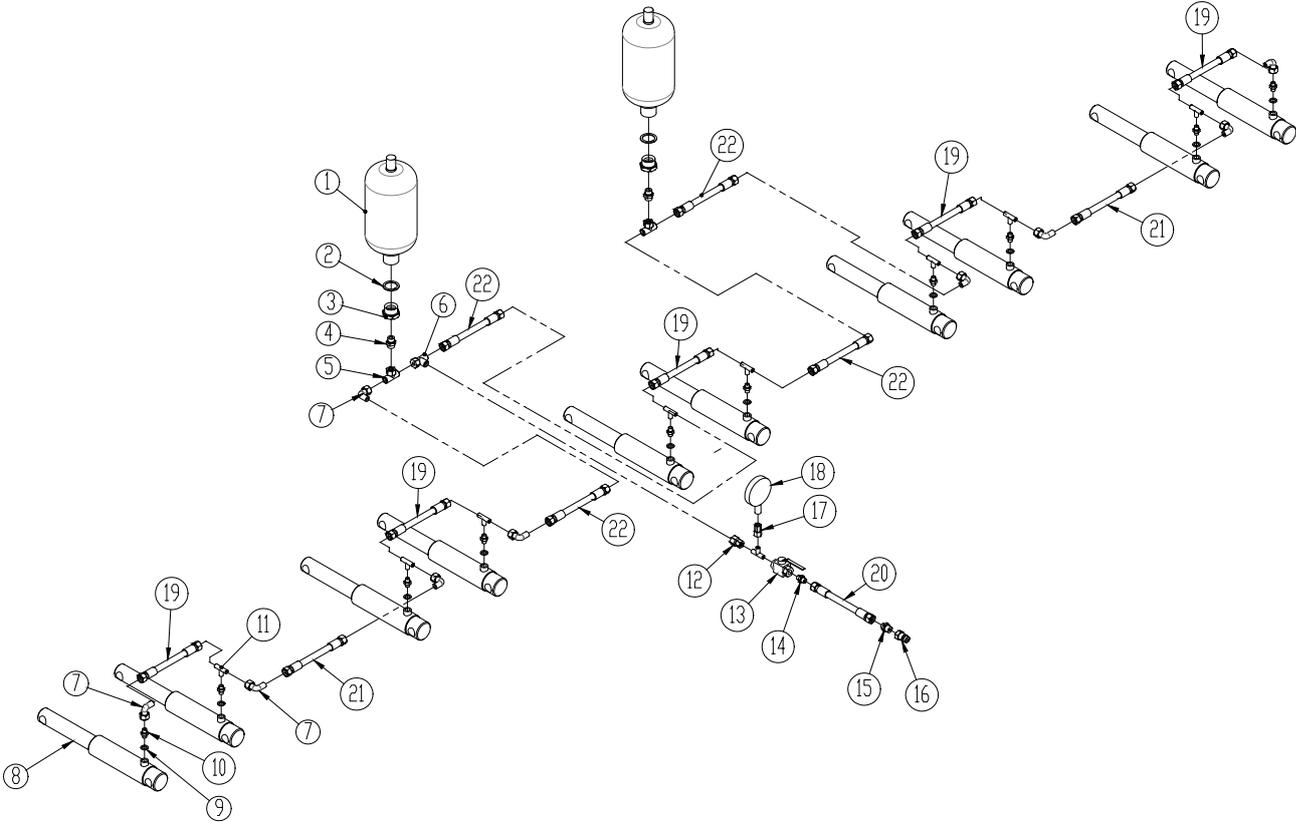
Wheel support



| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|-------------------------------|------------|--------------|------------|
| 1 | | See pos 10 page 24 | 1 | 1 | 1 |
| 2 | | See pos 10 page 26 | 1 | 1 | 1 |
| 3 | 0446200 | Fitting 90-angle 3/8" | 2 | 2 | 2 |
| 4 | 0446502 | Fitting T-nipple Ø12mm/o-ring | 2 | 2 | 2 |
| 5 | 0446679 | Fitting 90-angle Ø12mm | 2 | 2 | 2 |
| 6 | 0444020 | Quick coupling 1/2" | 2 | 2 | 2 |
| 7 | 690203103 | Fitting straight 1/2" Ø12 | 2 | 2 | 2 |
| 8 | 0454835 | Hydr. hose 2950mm 3/8" st/st | 1 | 1 | 1 |
| 9 | 0454909 | Hydr. hose 3250mm 3/8" st/st | 1 | 1 | 1 |
| 10 | 0454665 | Hydr. hose 2450mm 3/8" st/st | 2 | 2 | 2 |

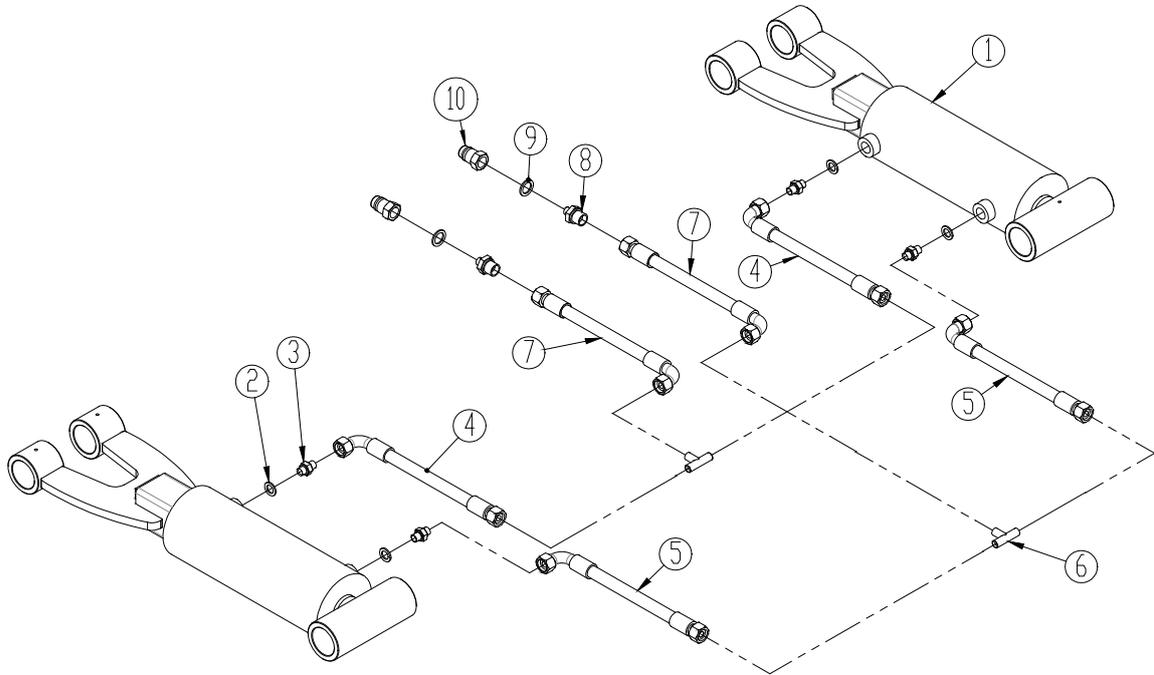


Hydraulic stone protection

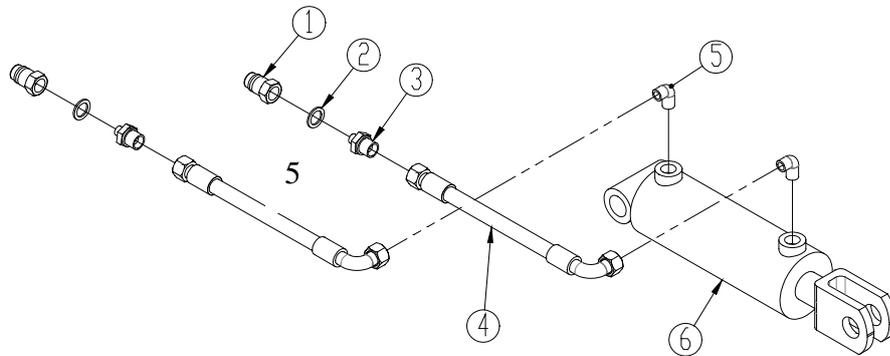
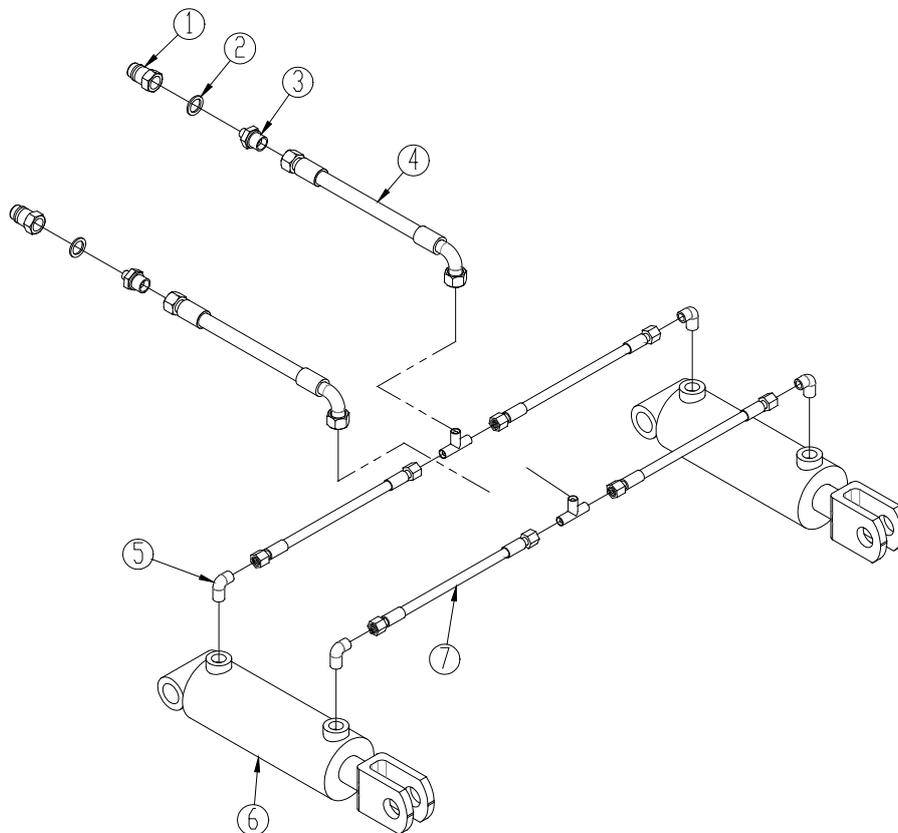


| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|--|------------|--------------|------------|
| 1 | 690206513 | Accumulator 4,5L 90bar | 2 | 2 | 2 |
| 2 | 0449110 | Bounded seal 1 ¼" | 2 | 2 | 2 |
| 3 | 690204501 | Fitting straight ½" x 1 ¼" | 2 | 2 | 2 |
| 4 | 0446757 | Fitting straight Ø15mm x ½" | 2 | 2 | 2 |
| 5 | 690204505 | Fitting T Ø15mm | 2 | 2 | 2 |
| 6 | 0446500 | Fitting T15L | 1 | 1 | 1 |
| 7 | 0446680 | Fitting 90-angle Ø15 pre-mounted connector | 9 | 11 | 13 |
| 8 | | See pos 3 page 30 | 10 | 12 | 14 |
| 9 | 0449060 | Bounded seal 3/8" | 20 | 24 | 28 |
| 10 | 0446752 | Fitting straight Ø10-½" | 20 | 24 | 28 |
| 11 | 690204507 | Joint T15 without/connector | 8 | 10 | 12 |
| 12 | 0447710 | Reversed fitting Ø15/Ø12 | 1 | 1 | 1 |
| 13 | 0442350 | Ball plug valve 3/8" | 1 | 1 | 1 |
| 14 | 0446751 | Fitting straight Ø10-3/8" | 1 | 1 | 1 |
| 15 | 0446752 | Fitting straight Ø10-½" | 1 | 1 | 1 |
| 16 | 0444020 | Quick coupling ½" | 1 | 1 | 1 |
| 17 | 690206825 | Pressure gauge fitting Ø12 / 1/4" | 1 | 1 | 1 |
| 18 | 0442051 | Pressure gauge 400 bar | 1 | 1 | 1 |
| 19 | 690201414 | Hydr. hose 400mm ½" st/st | 5 | 6 | 7 |
| 20 | 690201046 | Hydr. hose 1660mm ¼" st/st (lift-mounted) | 1 | 1 | 1 |
| | 690201003 | Hydr. hose 4550mm ¼" st/st (trailed) | 1 | 1 | 1 |
| 21 | 690201449 | Hydr. hose 850mm ½" st/st | 2 | 3 | 4 |
| 22 | 690201423 | Hydr. hose 500mm ½" st/st | 4 | 4 | 4 |



Rear section lifting

| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|----------|--|------------|--------------|------------|
| 1 | | See pos 2 page 32 | 2 | 2 | 2 |
| 2 | 0449060 | Bounded seal 3/8" | 4 | 4 | 4 |
| 3 | 0444530 | Hexagon nipple 3/8" | 4 | 4 | 4 |
| 4 | 0454212 | Hydr. hose 710mm 3/8" st/st | 2 | 2 | |
| | xxx | Hydr. hose xxxmm 3/8" st/st | | | 2 |
| 5 | 0454170 | Hydr. hose 500mm 3/8" st/st | 2 | | |
| | 0454212 | Hydr. hose 710mm 3/8" st/st | | 2 | |
| | xxx | Hydr. hose xxxmm 3/8" st/st | | | 2 |
| 6 | 0446520 | T-nipple 3/8" | 2 | 2 | 2 |
| 7 | 0454835 | Hydr. hose 2950mm 3/8" st/st (lift-mounted) | 2 | 2 | 2 |
| | 0455022 | Hydr. hose 5750mm 3/8" st/st (trailed) | 2 | 2 | 2 |
| 8 | 0444550 | Hexagon nipple 1/2" x 3/8" | 2 | 2 | 2 |
| 9 | 0449070 | Bounded seal 1/2" | 2 | 2 | 2 |
| 10 | 0444020 | Quick coupling 1/2" | 2 | 2 | 2 |

Disc adjustment**3,0 m without el. depth stop****3,5m and 4,0m without el. depth stop**

| Pos. | Item no. | Designation | Qty. 3m | Qty. 3,5m | Qty. 4m |
|------|-----------|---|------------|--------------|------------|
| 1 | 0444020 | Quick coupling ½" | 2 | 2 | 2 |
| | 0449070 | Bounded seal ½" | | | |
| 3 | 0444490 | Fitting straight ½" x ¼" | 2 | 2 | 2 |
| 4 | 0455085 | Hydr. hose 7050mm ¼" st/st (trailed) | 2 | | |
| | 0455021 | Hydr. hose 5750mm ¼" st/st (trailed) | | 2 | |
| | xxx | Hydr. hose xxxxmm ¼" st/st (trailed) | | | x |
| | 0454967 | Slange 4200mm ¼" st/st (lift-mounted) | 2 | | |
| | 0454834 | Hydr. hose 2950mm ¼" st/st (lift-mounted) | | 2 | |
| | xxx | Hydr. hose xxxxmm ¼" st/st (lift-mounted) | | | x |
| 5 | 690203006 | Fitting 90-angle 10-3/8" BSP | 2 | 2 | 2 |
| 6 | | See pos. 13, page 34 | 1 | 2 | 2 |
| 7 | 0454498 | Hydr. hose 1590mm ¼" st/st (lift-mounted) | | 4 | |
| | xxx | Hydr. hose xxxxmm ¼" st/st (lift-mounted) | | | 4 |

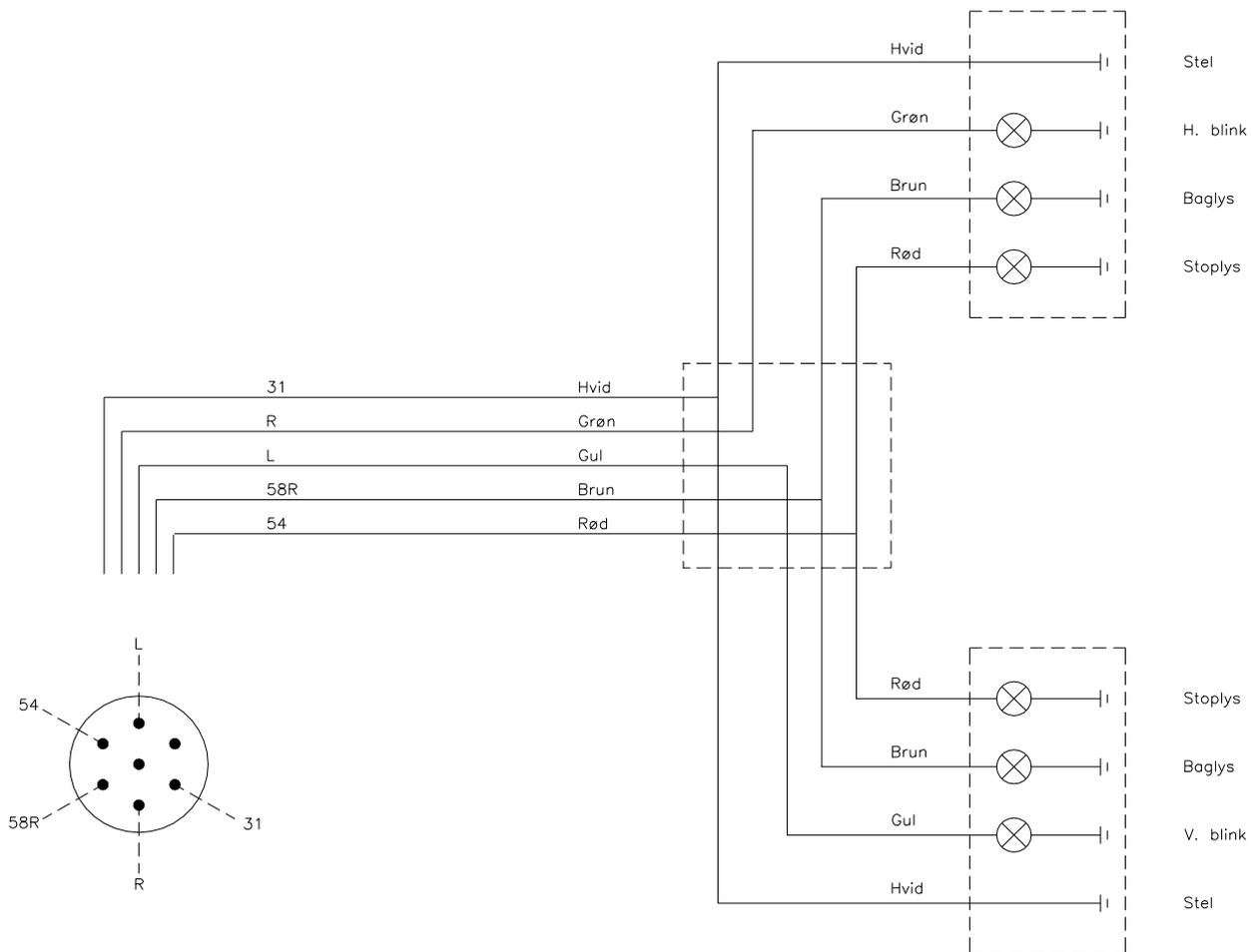


Diagrammes

Light kit

HVID = white
 GRØN = green
 BRUN = brown
 RØD = red
 GUL = yellow

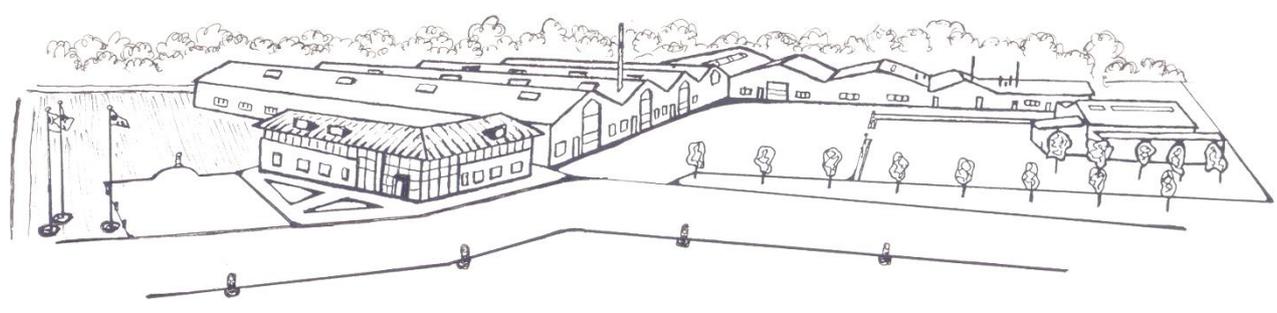
STEL = chassis
 H. BLINK / V. BLINK = right turn signal / left turn signal
 BAGLYS = rear light
 STOPLYS = stop light



Notes



as it looks
As good as it looks



The design is subject to modification without notice.