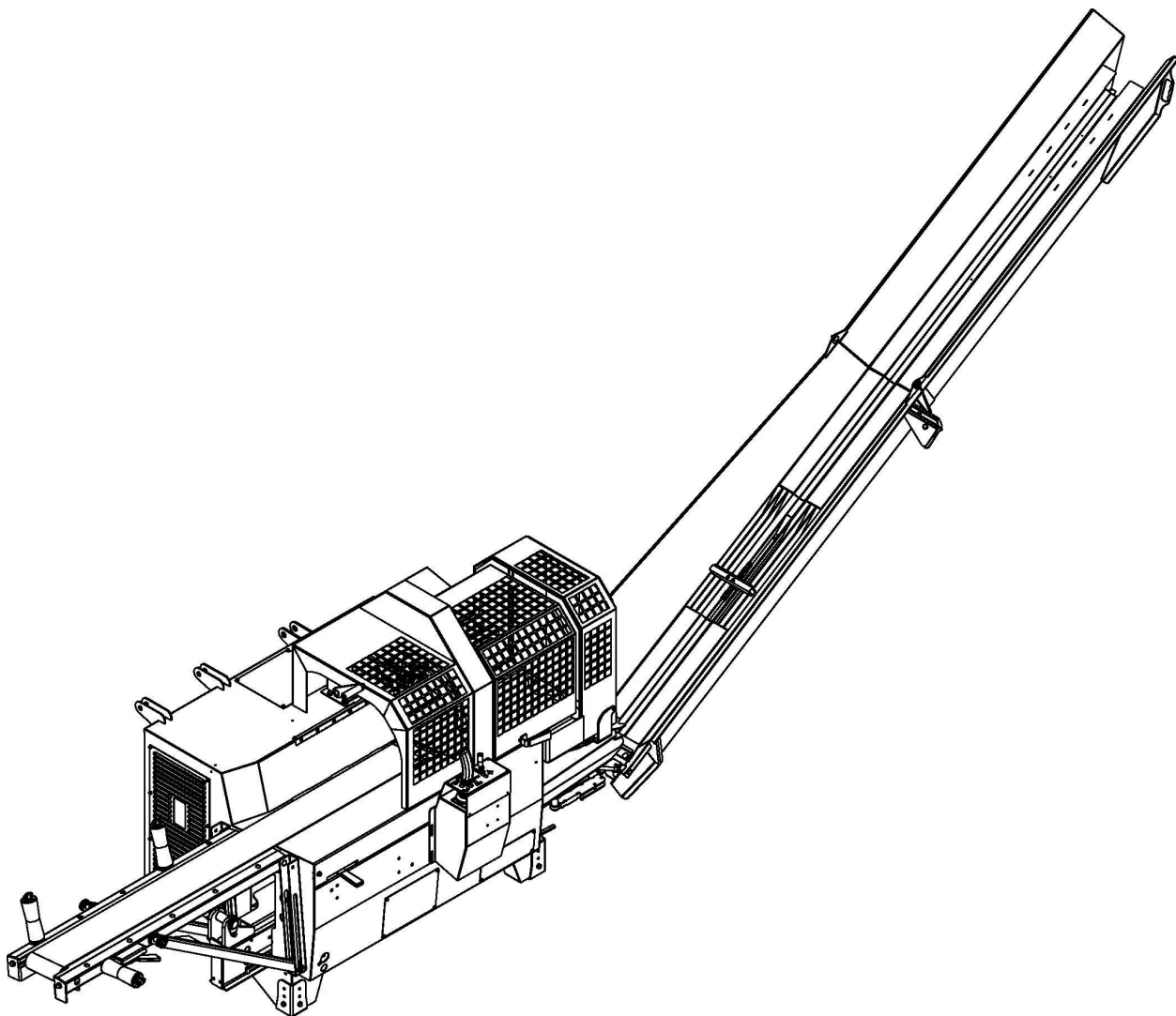




Fire wood processor VM420



Instruction manual



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www.duun.no

Fire wood processor VM420 has a 12 month guarantee against defects in materials and workmanship.

Parts that are not originally manufactured by Duun Industrier AS, for example shafts, bearings etc. are subject to these suppliers' guarantees and terms.

Parts that are considered to be wearing parts are not part of the basis of the guarantee - these have been specified in a separate survey on the bottom part of this page.

In cases where a repair is considered to be covered by the guarantee, the representative must inform the supplier's representatives that the repair is intended executed on the basis of the guarantee.

In this context, the following information must be recorded:

- Product name
- The product's serial no. (see the machine identification pp. 6 and 7]
- Date of sale
- The product owner's telephone no.
- Dealer with address, telephone no.

In case of such a repair, the supplier is presented with a claim within 3 weeks after the repair date.

Replaced parts are to be kept until a decision has been made with reference to the claim and the replaced parts are to be forwarded to Duun Industrier for assessment if so required.

As the employment of the product is beyond our control, we may only guarantee the quality and do not accept liability for the product's general performance.

The guarantee liability assumes that the prescribed maintenance has been carried out.

Duun Industrier reserves the right to modify the design and specifications and/or make alterations and improvements without notification.

What is not included by the guarantee

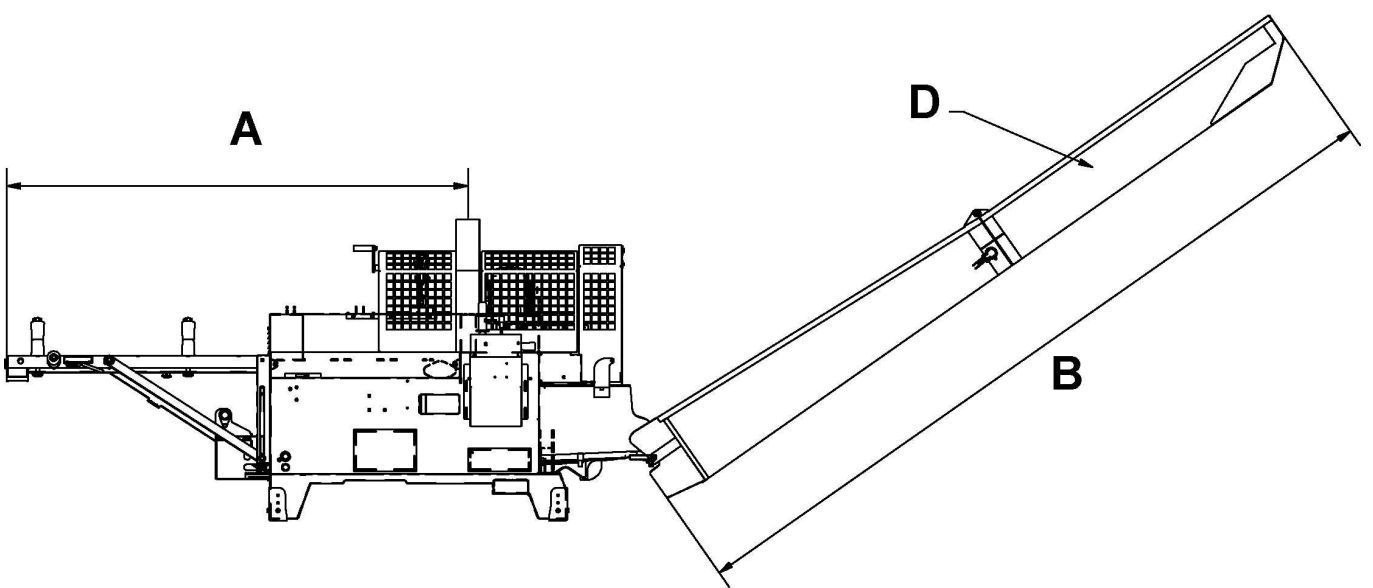
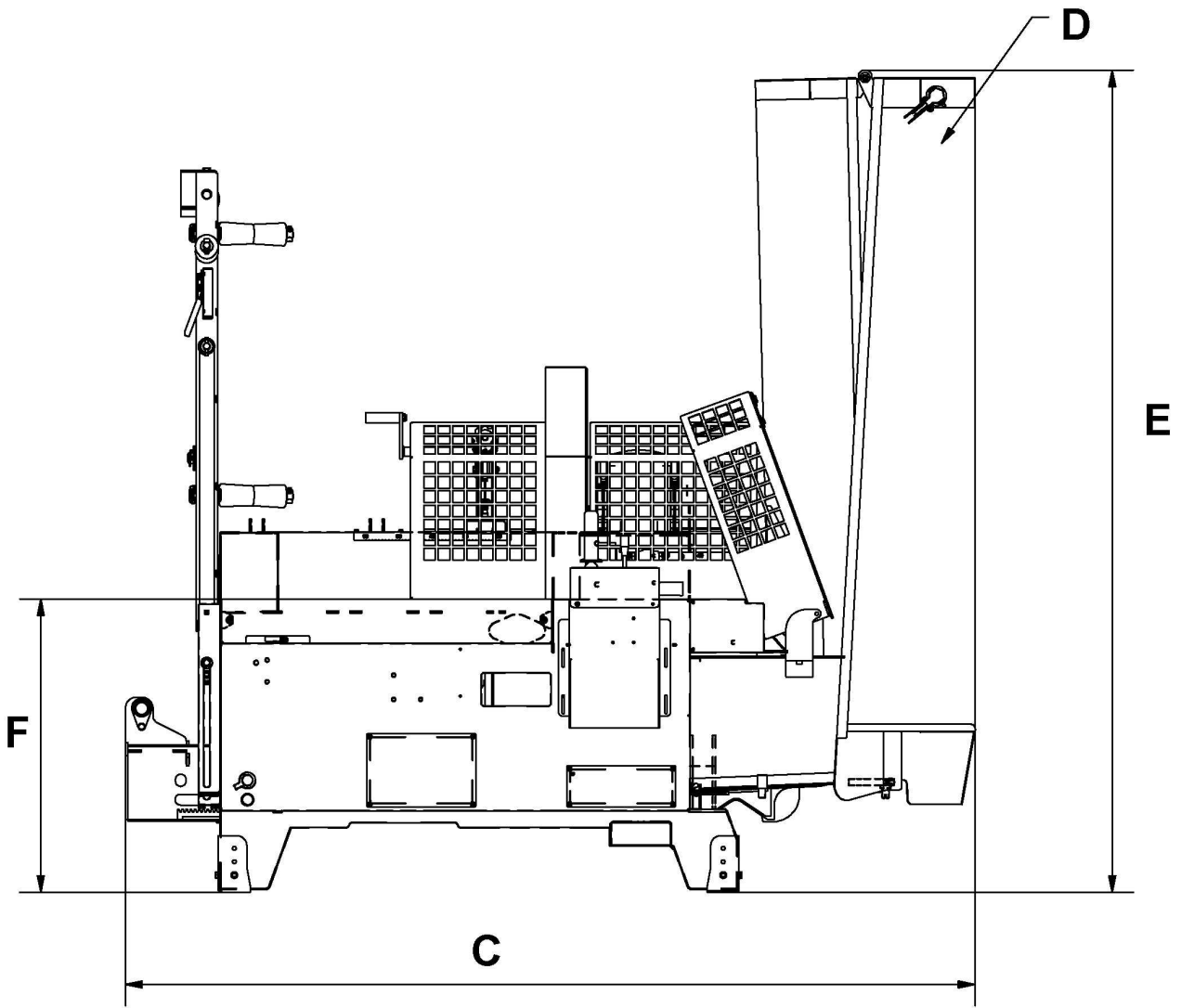
- The guarantee does not cover economic loss as a consequence of interruptions.
- The guarantee does not cover consequential loss due to defects.
- The guarantee does not cover defects or damage caused by misuse and use that is not in accordance with the instruction manual's specifications and guidelines.

The following parts and material are considered as wearing parts and are not covered by the guarantee:

- The chain saw sword
- The saw chain
- The wood splitter knives
- The feeding conveyor
- Oil filter
- Hydraulic oil
- Filter cartridge for hydraulic oil

Contents

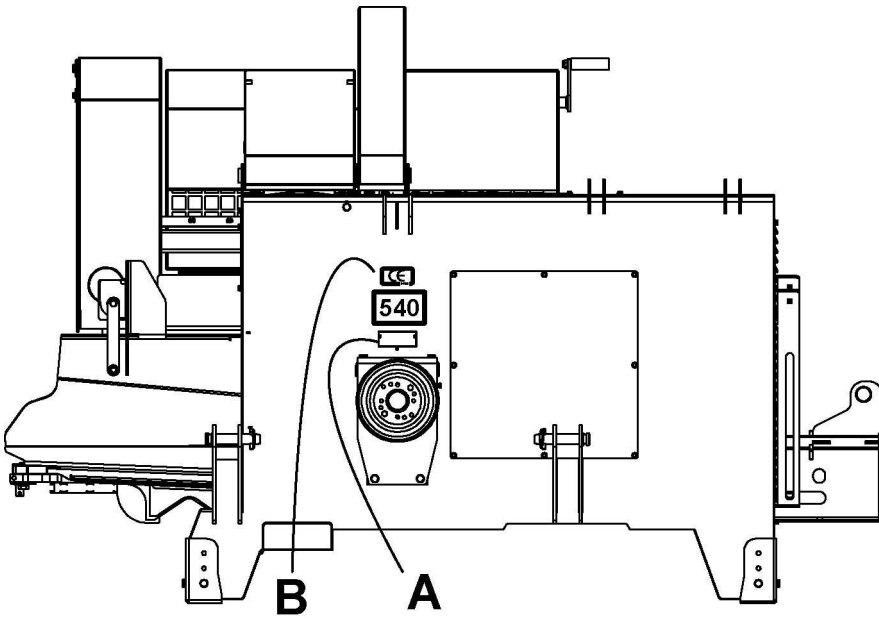
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Technical data

Properties	VM420
Net weight	875 kg
Length feeder conveyor A	2.200 mm
Length output conveyor-transporter B	4.000 mm
Sideways transporter + total	25 degrees to each side
Number of positions for transporter D	5 pcs
Total width during transport	2.550 mm
Height to work table max min F	880-960 mm
Total width assembled 30 degrees trans	6.850 mm
Depth seen from the side	1.280 mm
Velocity drive shaft	540 rpm
Connection with bolt fittings are standard	Yes
Total height ready for transport E	2,550 mm
Diameter ventilation fan	254 mm
Required power PTO 540 rpm max	31 kW
Number of oil pumps	3
Length of stroke wood splitting function	40 or 60 cm
Max cutting diameter logs	42 cm
Speed splitting cycle 40 cm wood	About 2 seconds at 8.5 tons
Splitting force max speed	5.5 tons
Splitting force at power drive (max power)	8.5 (11.0 tons)
Connection and de-connection of power drive	Automatic
Drive of saw chain	Hydraulic
Drive of input and output conveyor	Hydraulic
Saw chain lubrication capacity container	5 litres
Saw chain lubrication	Separate pump adjustable
Oil tank volume	78 litres
Splitting knife	6-splitter is standard
Hydraulic pressure	220 bar max splitting force 180 bar cutting circuit
Accessories	Art. No.
4-splitter knife	14120004
8-splitter knife	14120003
Power shaft Weasler L=860 4 piece	2962156
Remote control of input conveyor	141209020

All specifications are approximate values.



Machine identification

The machine number and manufacturer is specified on the metal plate A

Make a note of the machine number and the time of delivery month-year on the space below.

Always indicate the machine number in case of inquiries regarding service.

The machine is CE-marked – see nameplate B. This confirms that the machine has an execution in accordance with EU's machine directive.

Machine number:

Delivery time,
month/year:

Introduction

We congratulate you on your purchase of the Duun fire wood processor VM420.

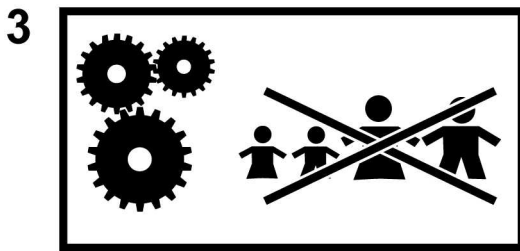
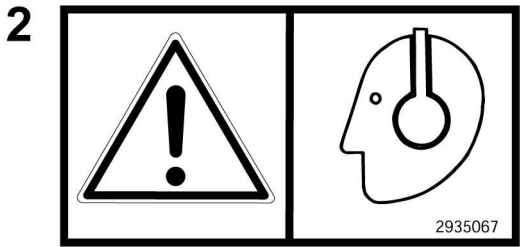
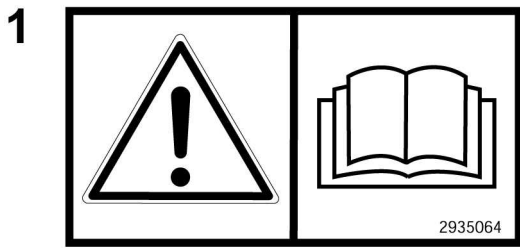
The product has a well developed service network for tractor driven machines. This provides safety for service and supply of spare parts and contributes to safe operations in demanding conditions.

All Duun tractor driven machines are constructed and tested in close cooperation with the users in order to produce well functioning and user friendly products.

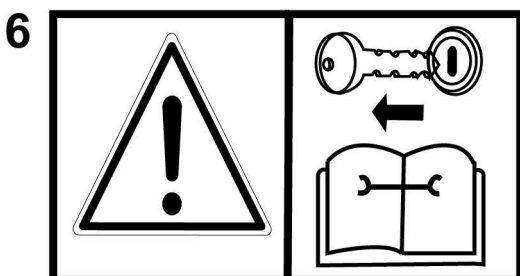
In order to uphold the guarantees and that the machine is to function optimally during use, the indicated descriptions of maintenance and practical use of the machine must be followed.

Please read this manual before you start using the machine.

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www.duun.no



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Safety

1. Instruction manual

All operators, mechanics and the owner must be well acquainted with the instruction in this instruction manual before the machine is taken into use.

You should always work with care when you employ agricultural machinery. Read and observe the safety instructions in this binder. Your safety is your responsibility!



Be particularly aware of warning signs with this symbol it marks measures that must be carried out in order to avoid accidents. The symbol appears in the instruction manual and on warning signs on the machine.

2. Personal protection equipment

You should always wear hearing protection and protective goggles when using the wood machine. Further, you should use protective footwear and sturdy work gloves during handling of the machine and the materials.

3. The safety of the surroundings

Make sure that no-one not concerned are present in the area of work. We emphasize as strongly as possible that only one person is to handle the machine, i.e. operate the saw chain sword and the splitter. Nobody is to assist the main operator in the work area - risk of injury!

Never start the machine when there are people or animals close to the machine or the tractor.

Never stand between the tractor wheels and the machine!

The machine's rotating parts may cause severe injuries.

If other persons than the operator of the machine are present in the risk zone, the operator is to explain the danger the machine involves.

4. Clothing and the drive shaft

Do not work in clothing that may be caught in the moving parts of the machine (for example scarf, wide coats).

The tractor must be disconnected and the hand brake activated before the shaft is connected to the tractor's power take-off. The drive shafts are always to be equipped with original protection covers.

Damaged and worn covers are to be replaced immediately!

Make sure that all covers for the shaft are in good condition and correctly fitted. Never start the machine when this is not in order. The locking chains for the plastic covers are always to be fixed to the appropriate brackets in order to prevent the covers to rotate.

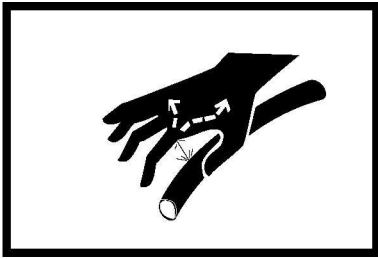
5 Safe connection and use.

Allow nobody to stay between the machine and tractor when the machine is connected to the tractor. The same applies during use of the machine. Make sure that the connection is carried out in a safe manner.

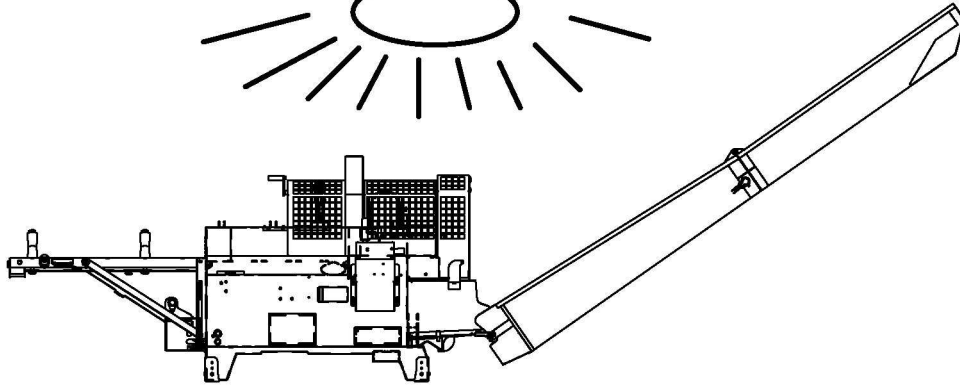
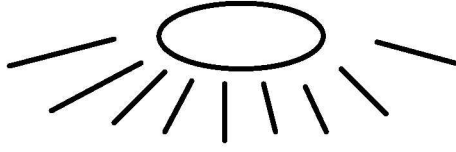
6. Safety in case of interruptions and maintenance.

Remember always to stop the tractor's engine and remove the ignition key before you lubricate, adjust, clean or carry out repairs. This is to secure that the tractor does not start before you have completed the operation.

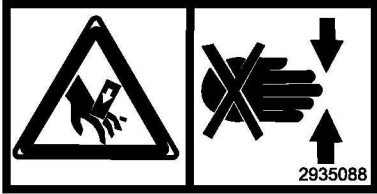
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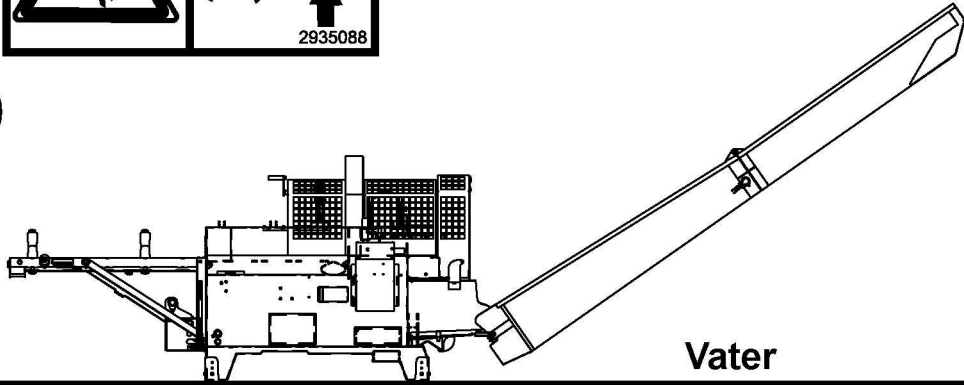
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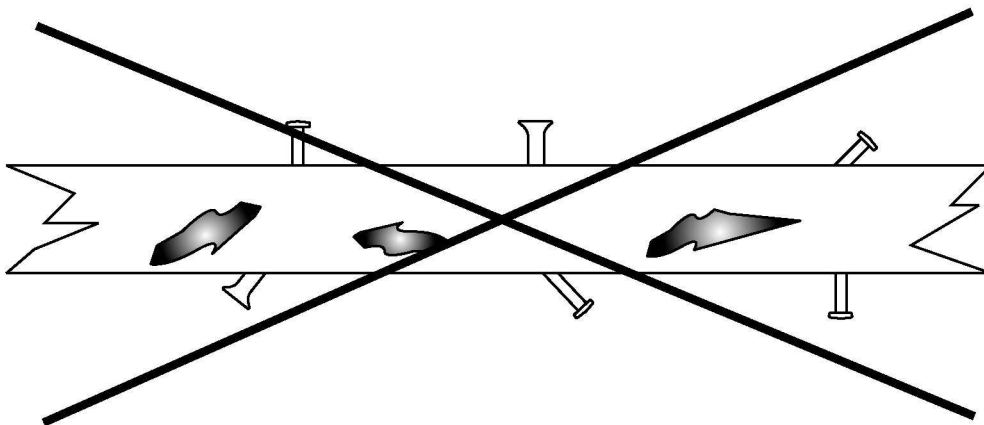
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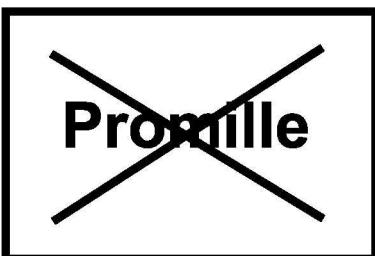
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7. Hydraulic high fluid pressure.

Be careful when you work with hydraulics. Wear eye protection and gloves. Hydraulic oil under great pressure may penetrate the skin and cause serious infections. See a doctor if you have had an injury. Ensure that no-one is standing close by when hydraulic functions are performed.

8. Good lighting – a necessity.

The machine must only be used in daylight that secures a good overview of the operations – or with artificial lighting which provides good overview of the work area.

Good lighting is very important with reference to safety.

9. Rotating parts – risk of crushing

The machine's rotating parts may cause severe injuries. The same applies to risk of crushing during operation.

All covers and protective equipment is to be fitted on the machine during use. The user is responsible if an accident occurs as a consequence of defective protection.

Avoid all unnecessary stay in the working area when the machine is in operation.

Never put your hand in behind the protective screen even if the saw chain is in back position.

10. Horizontal positioning and tidiness on the workplace

Always place the machine as horizontally and steady as possible to secure stable working conditions.

Keep the workplace as tidy as possible. This contributes to generally better safety against unwanted events.

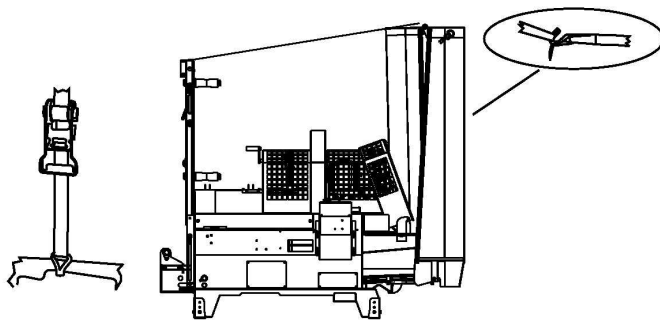
11. Area of application

The machines are only intended for production of fire wood from "pure" wood material without any contaminants. It is not allowed to employ the machine for other material such as construction waste and similar with metal parts such as nails, screws and similar. The same applies for materials that are polluted with plaster and similar coatings. The saw chain is only designed for wood materials without contaminants.

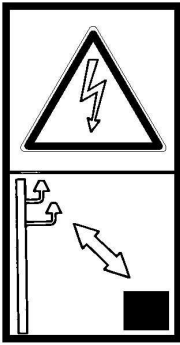
12. Zero alcohol tolerance

Persons who are under the influence of drink or drugs must not operate the machine. The same applies to tired people who do not have full control over their movements.

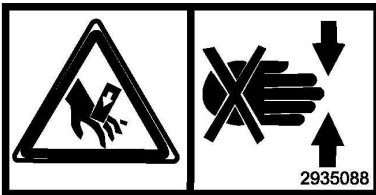
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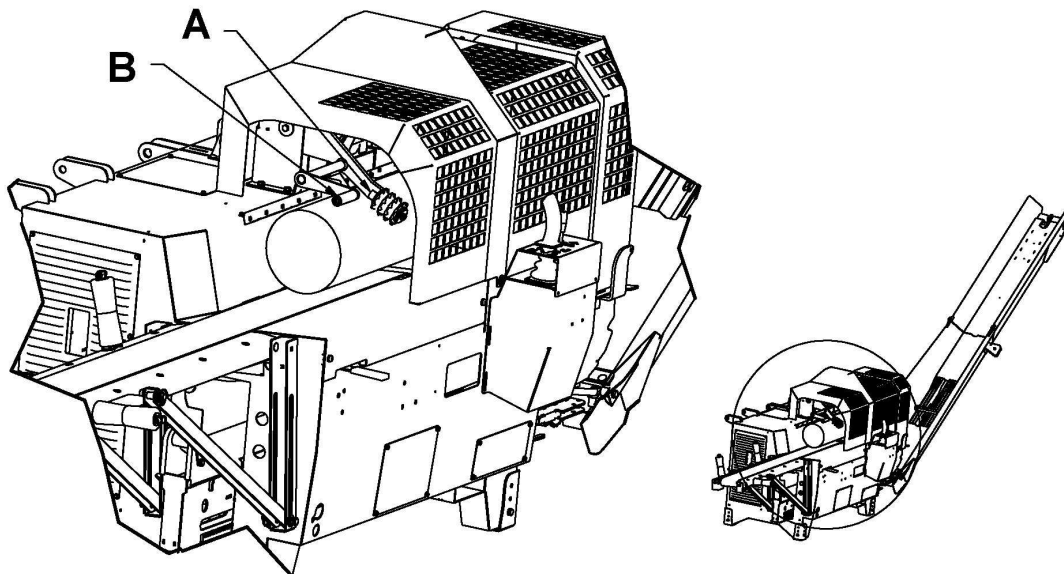
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13. Safe transport

Before the machine is moved, the feeder conveyor and transporter (both in an up-right position as outlined in the illustration) are to be strapped to secure that they do not fall down. The loading strap has a fixing point at the lower part of the feeding conveyor and secures the conveyor belt from falling off during transport.

14. Contact with electric wires and similar during transport.

Be aware that the wood machine may be taller than the tractor during transport and there is a risk of contact with electric wires, railroad underpasses etc!

If the machine has been set up for splitting of 60cm wood lengths, it should be set back to 40cm before moving. This is because the machine will protrude on the right side if it transported in "60cm set-up". If you choose to move the machine in "60cm set-up", you should be very attentive of the fact that there is a protrusion beyond the width of the tractor on the right hand side.

15. Crushing risk – Rotating parts in the transporter

Never put your hands or limbs into the output transporter. This part has rotating parts may cause severe injuries.

16. Transport conveyor - transporter

Avoid staying under the transporter when this is under tension in order to avoid injuries in case of any uncontrolled downfall during use. Also avoid contact with the transporter's moving parts during use.

17. Safe cutting

Avoid placing your hands close to the saw chain. This is obtained by consequently using the log holder A and the handle B to operate it.

For cutting the last log of wood, it is important to retain a "suitable" length and cut a shorter piece as the next to last. During this operation, it is especially important to use the hand operated log holder A so that the user does not receive an unexpected backlash from the final piece.

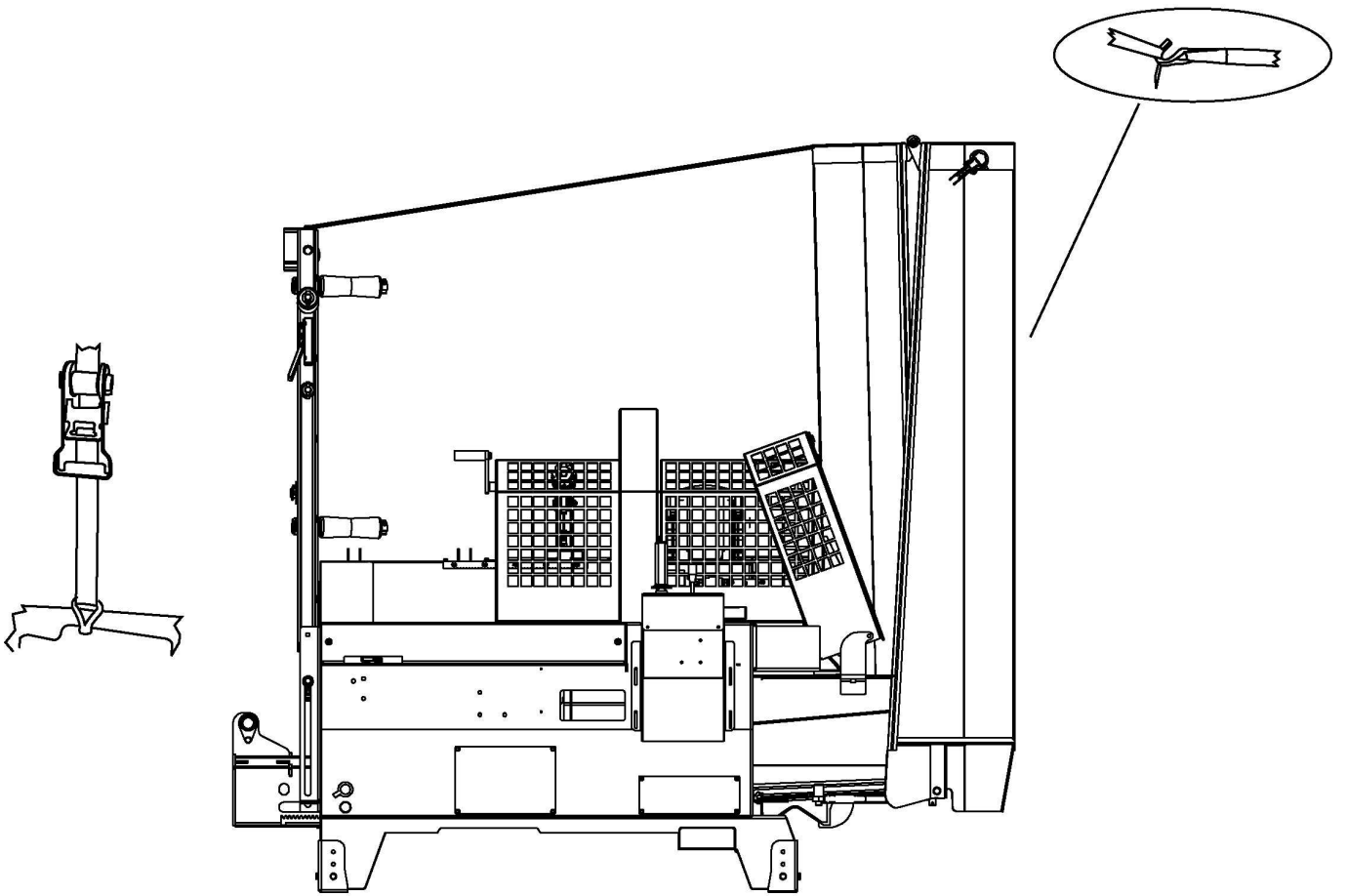
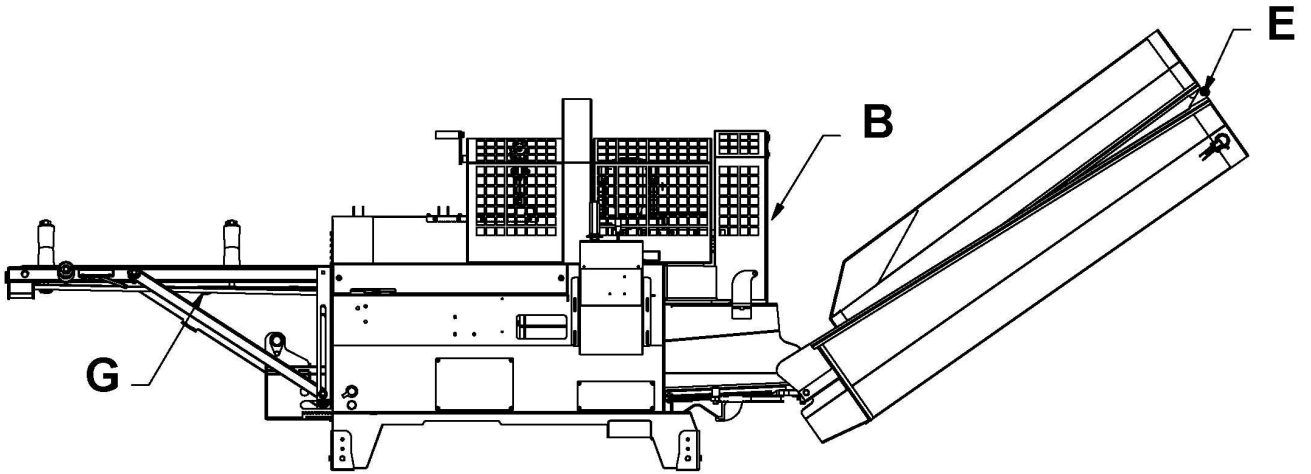
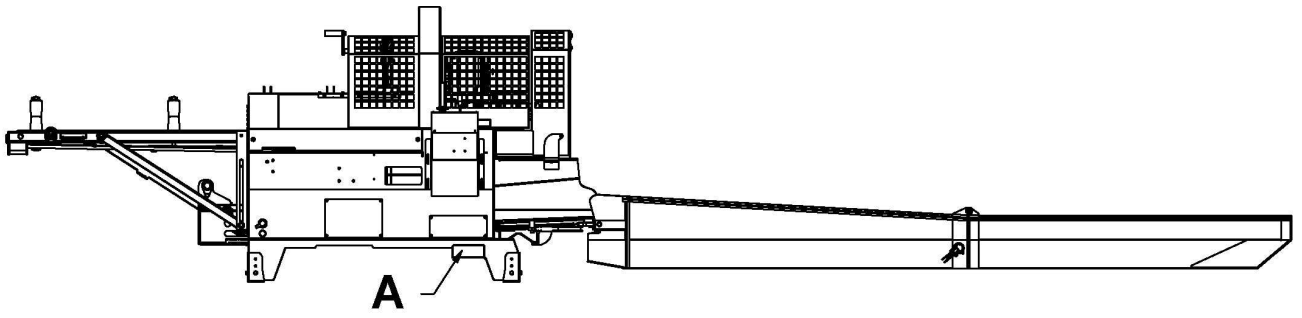
You are advised to use the "count-down ruler" for the last three lengths so that these may be cut to a somewhat shorter even length than the desired length.

When you want to cut twiggy or crooked logs, it is important to make sure that these are securely placed. Use the hand operated log holder A as much as possible during cutting of such wood materials to prevent that fingers/hands are squeezed.

Before start-up after maintenance you should check that all tools have been removed and brought back into place.

Before the machine is elevated or lowered, you should check that no-one is close to or touch the machine.

If any warning signs are removed during repair or service, new signs must be fitted immediately!



Transport and handling before use

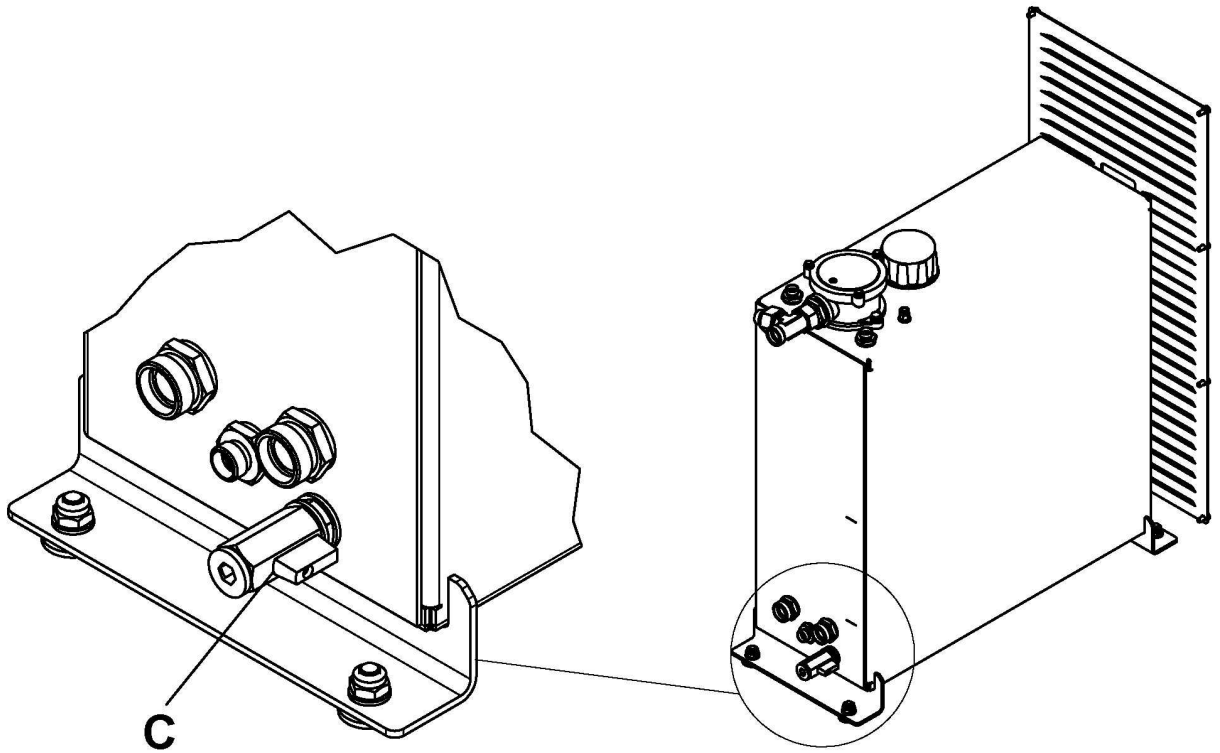
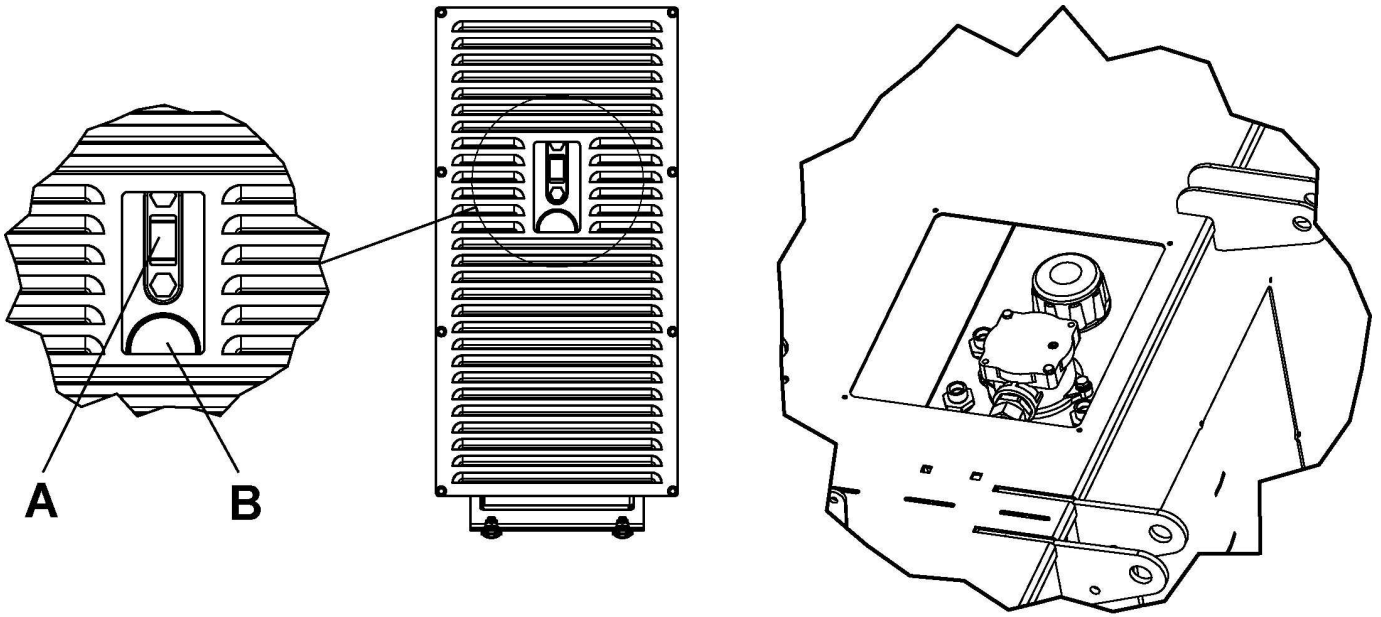
The VM420 body is equipped with a fork pocket (A) for handling with fork truck or pallet forks. Be aware that one individual wood machine weighs about 875 kg. Use lifting equipment designed for such total weight!

Preparation for moving with tractor.

The transporter is folded together in the joint E. Afterwards, the transporter is moved to an upright position by means of the winch wire. During this process, the protection cover is shifted in point B Feeding table and the conveyor belt is adjusted to a vertical and horizontal position by releasing the locking pin in point G

Securing before moving

Finally, the connection between the feeding table and the transporter should be secured by means of a strap for this purpose with fixing points as shown in the illustration. This is important to ensure that the feeding conveyor is kept in place during transport and the connection between the feeding table and the transporter is safely secured.



Preparations before use

Hydraulic oil - quality.

The machine's performance will, to a high degree, depend on keeping the hydraulic oil intact.

The greatest elements of risk for the quality of the oil are

- Excessively high temperature which entails poor lubrication performance and risk of faults and break-down of expensive components such as valves, pumps and motors.
- Condensation which is formed during conditions including humid air combined with temperature fluctuations. (the oil tank breathes through the filter and sucks in humid air)
- Condensation water in the oil has the same effect as excessively high oil temperature. Condensation appears mainly during use in conditions involving humid air and temperature around 0°C. The oil tank is equipped with a draining plug for changing oil and checks for condensation.

Oil level check.

The machines are filled with 78 litres hydraulic oil from the factory. Recommended oil quality is ISO VG46 (viscosity group 46). Examples of such oils are Ambra Hydrosystem 46 HV, Mobil DTE15m, Statoil Hydraway HVXA46.

The oil level must be checked by observing the sight glass A which is fitted in the suction grille for the hydraulic oil tank.

Oil temperature check

It is very important to keep track of the oil temperature B and avoid situations where it exceeds 70 degrees. This situation may occur during unfavourable operating conditions for example in case of too high rotational speed during use.

If the temperature exceeds 70 degrees, the machine must be stopped until a lower temperature has been "established".

If the machine has had excessively high hydraulic oil temperature, the oil must be changed.

This is an unconditional requirement in the guarantee provisions.

Condense check

The oil tank is equipped with a drainage plug C in the bottom. Grey oil is an indication of water in the oil. In case the oil is polluted with water, all the hydraulic oil must be changed.

Beyond such conditions, the hydraulic oil must be changed every year or after 500 operating hours (whatever occurs first).

Drive shaft

The requirement for the length of the drive shaft will vary in pace with the size of the tractor and the length of the steady-braces.

If there are operating angles from 25 degrees and upwards, you should employ a category 6 shaft to ensure long service life.

If there are great angles, it might be advantageous either to lower the tractor or elevating the machine. It may be elevated by means of the supporting legs which is standard equipment fitted in the corners and elevate the machine up to 80mm.

Ensure that the pto shaft had sufficient length. The profile tubes in the shaft are to, after any cutting, overlap by half the tube length. Any cutting of the shaft must be executed in accordance with the instructions for such operations – the cut must be trimmed for burrs both on the inside as well on the outside and the profile tubes should be well greased. Too short telescope length of the shaft entails a risk of overload of the tractor's power take-off and the gearbox of the VM420.

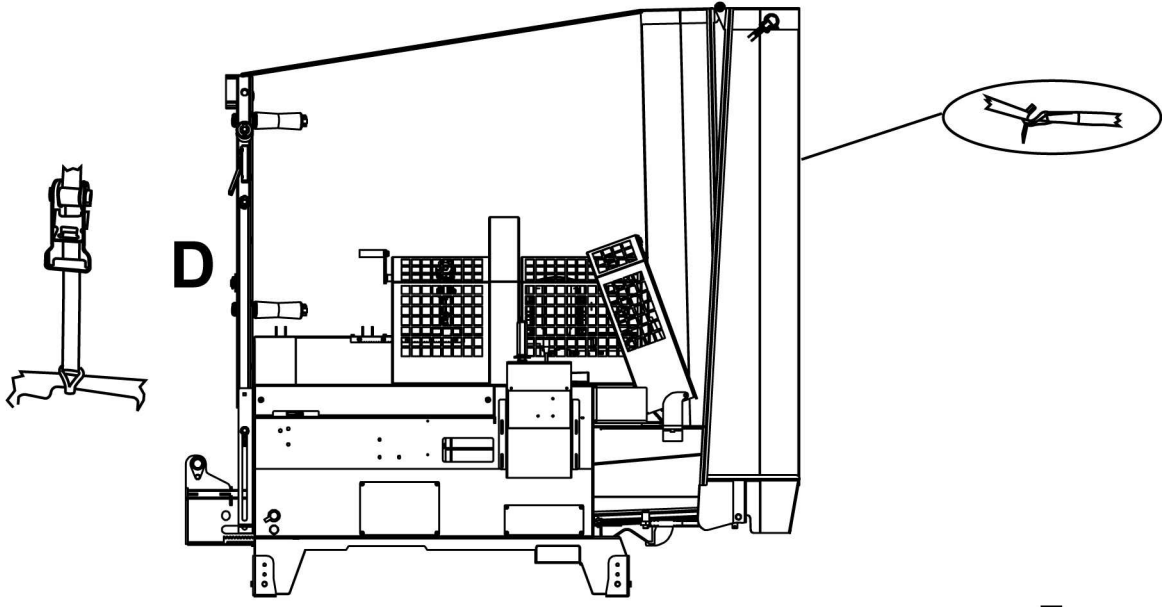
Please lubricate the PTO drive shaft before use.

The locking chains for the plastic covers are always to be fixed to the appropriate brackets in order to prevent the covers to rotate.

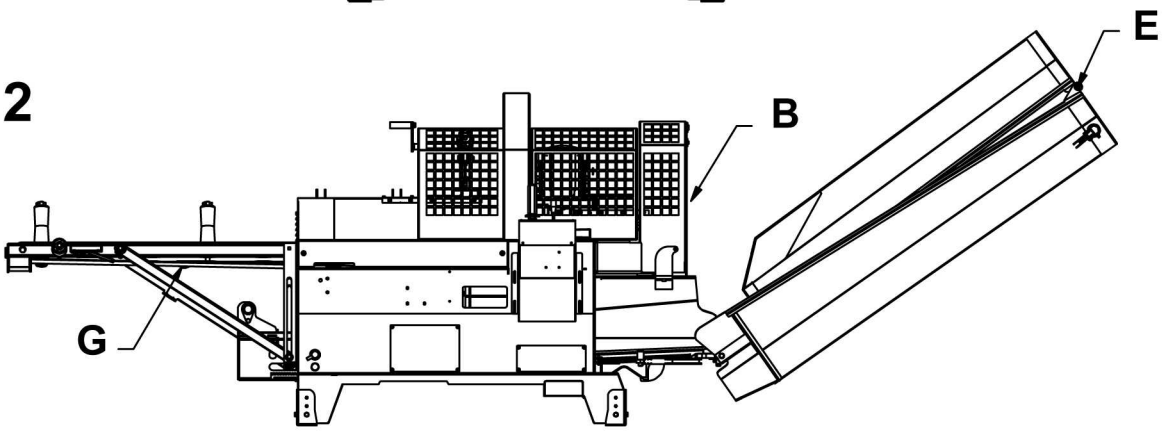
The drive shaft must be maintained and used in accordance with its instruction manual.

In order to obtain better operating angle, you may let the machine stand by itself and place the tractor at a distance and employ a longer drive shaft during operation.

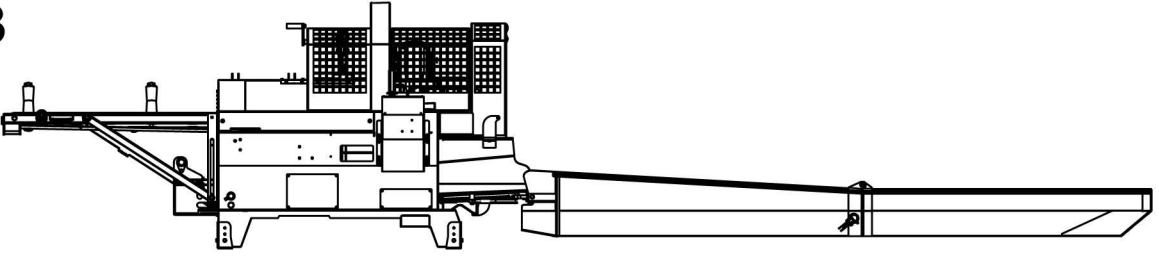
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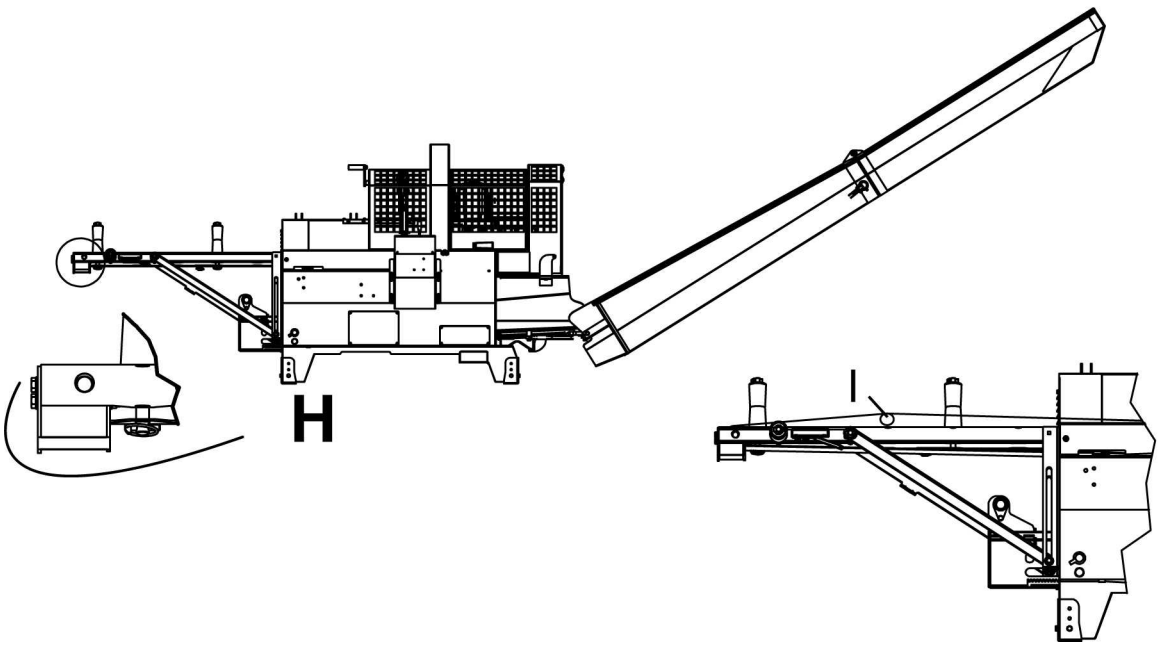
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4



Preparation of the transporter.

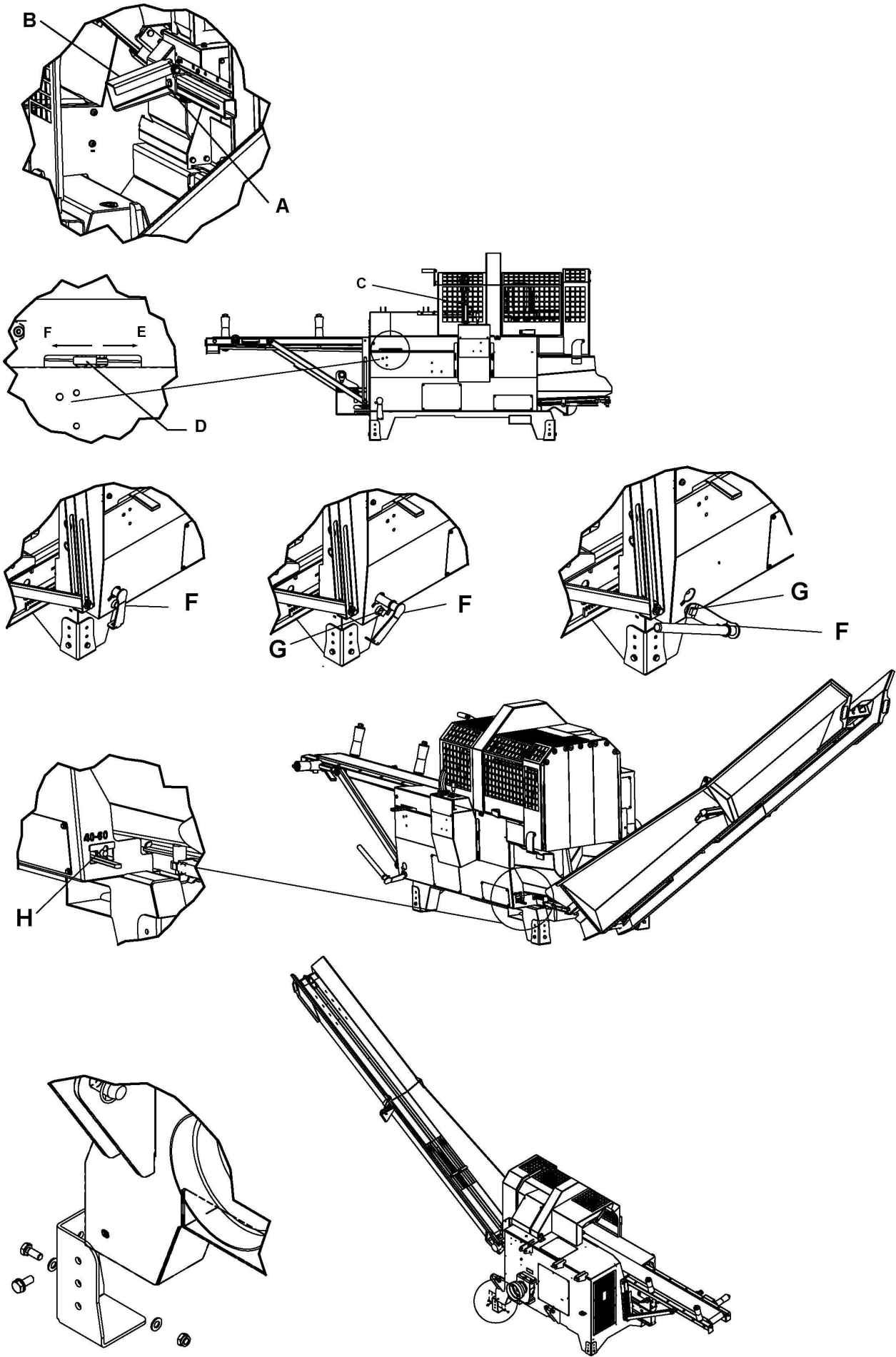
The transporter is prepared for operation by

1. Releasing the strap fixing point and loosening the strap at the points outlined in the illustration.
2. The transporter is put in place by releasing the winch and the wire which holds it in place – the transporter will fold out until it is level with the ground.
3. Afterwards, the transporter is folded out in its full length in the joint E.
4. The transporter is elevated to the required height by means of the winch.

Preparation of the feeding conveyor

The feeding conveyor is folded in place by releasing the locking pin at letter G which locks it. The belt is tensioned by adjusting the screws at letter H. The belt is sufficiently tensioned if it feeds in the wood without friction. Too hard tensioning increases the wear of the belt and reduces the service life considerably.

An indication of what is suitable tensioning is when the belt in the middle of the feeding table, allows for 30-40mm – Re. Illustration 4, letter I.



1. Setting of cutting length

The cutting length is set by releasing the screws at letter **A** and adjusting the rest **B** at desired cutting length.

2a. Setting of splitting length from 60 to 40cm

The adjustment of the splitting length from 60 to 40cm consists of three elements:

1. Make sure that the splitting piston is left in the outer extreme position; i.e. is not retracted. The first step in this operation is to start a splitting movement with the cutting handle C. Afterwards, the handle is moved for forced return by the splitter D quickly forward E and afterwards backwards F). After this procedure, the piston is left in the outer extreme position – i.e. the “protruding length” of the piston must be minimum 200mm.
2. Physical moving of the splitting cradle to the desired splitting length (stroke length splitting cylinder). In order to do this, the locking bolt F is released by a grip. The square hole on the handle for the locking bolt F is employed to rotate the shaft G which, by means of a cogwheel, moved the splitting cradle in or out until it stops in the limit points. After this operation, the locking bolt F is put in place again.
3. Adjustment of the stroke length of the splitting cylinder. This is executed by putting the impulse bar in the correct position in letter H. It is important that the operation in section 3 is carried out for all adjustments in order that the machine is to function as prescribed.

Be particularly aware of the fact that the same procedure must be carried out in its entirety for all such adjustments.

2b. Setting of splitting length from 40 to 60cm

The adjustment of the splitting length from 40 to 60 cm consists of two elements:

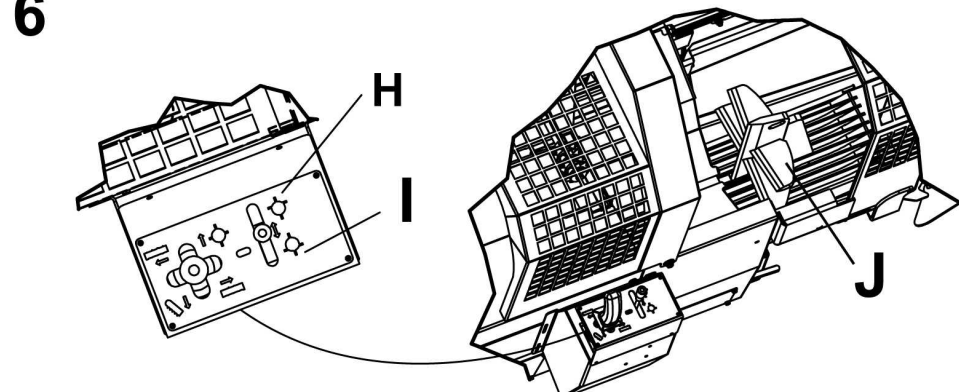
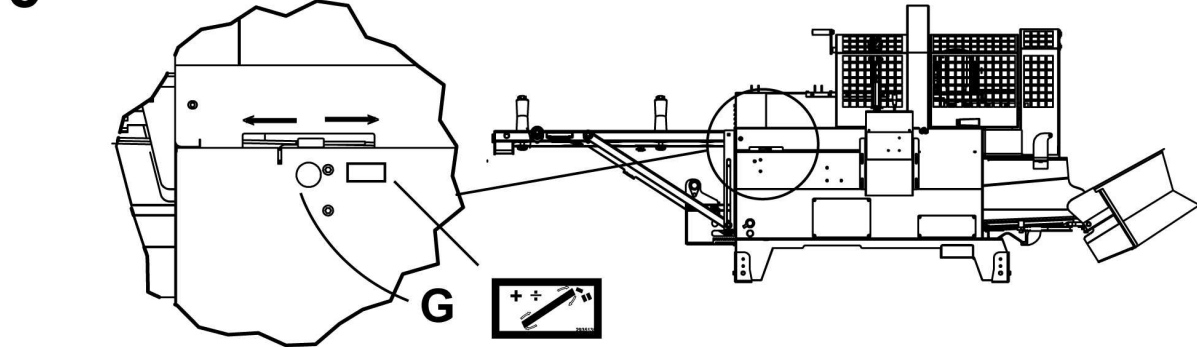
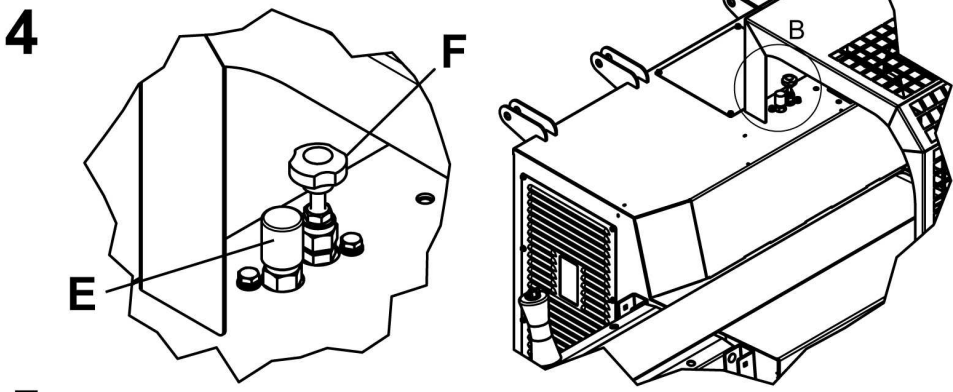
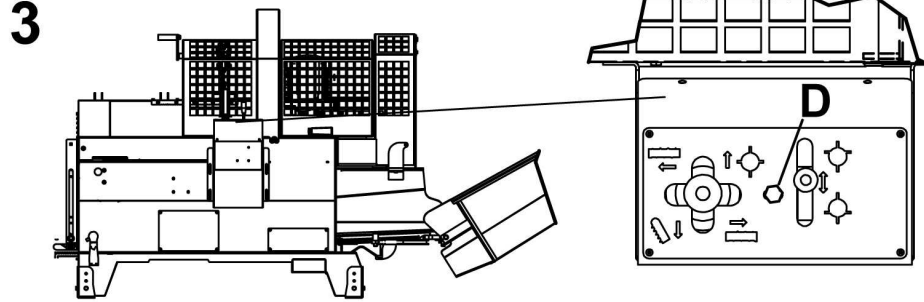
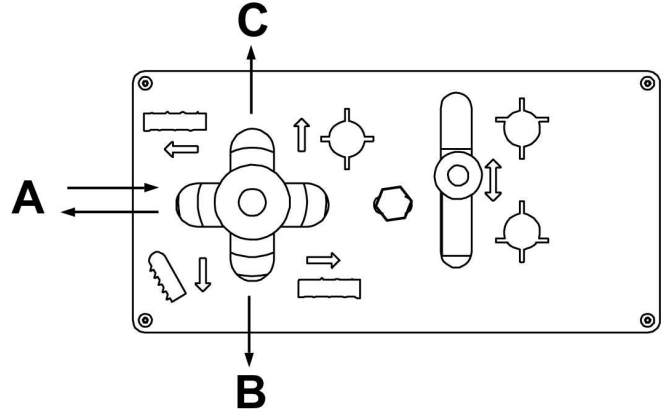
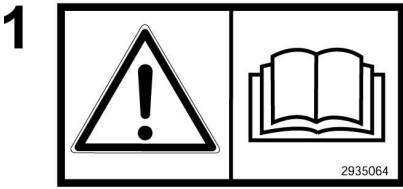
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2. Adjustment of the stroke length of the splitting cylinder. This is executed by putting the impulse bar in the correct position in letter H. It is important that the operation in section 2 is carried out for all adjustments in order that the machine is to function as prescribed.

3. Height adjustment of the machine

In order to be able to elevate the machine in intervals of 40mm up to 80mm, the supporting legs that are fitted in the corners may be set in the required height.

4. Temperature - heating

The machine is to be run to obtain correct temperature before use, i.e. left to idle a few minutes before use.



Practical use

1 Condition

The machine **may not be used** before the operator has done the following:

- Has read the instruction manual and knows how the machine works and how to operate it.
- Has made himself acquainted with and observed the information regarding safety described on pages 8 to 12 in the instruction manual.
- Employs suitable clothing; i.e. hearing protection – protective goggles – protective footwear – work gloves.
- Does not use clothing that may be caught in the moving parts of the machine (for example scarf, wide coats).

If any faults occur in the functions of the machine during employment, the machines is to not to be used before the defects have been repaired.

2 Start-up and suitable rotating speed – 500 – 540 rpm

The power take-off of the tractor is connected at low rotating speed and increased slowly to 540 rpm which is the max rotating speed of the pto.

In order that the machine is to work at its optimum, the rotating speed must be between 500 and 540 rpm.

At lower speed, some functions will receive too low oil pressure.

Let the machine run for some minutes before you start the hydraulic functions.

3 Main functions – feeding – speed adjustment of the feeding conveyor

The wood material that is to be cut is fed by means of the feeding conveyor.

The main functions are

- A. To move the feeding conveyor forwards/backwards.
- B. Operate the cutting sword up and down.
- C. Releasing the splitting blow.

It is important that the feeding until the stop is carried out in a moderate speed so that the logs do not bounce back.

In order to adjust the feeding speed, the impact may be adjusted by releasing the screw at letter D and move the impact stopper on the underside to the left.

4. Adjustment of cutting

In order to adjust the cutting function optimally to the wood material, the speed and the pressure of the sword may be adjusted.

The speed of the movement of the sword downwards is adjusted by means of the wheel to left at letter E.

The pressure on the sword is adjusted by means of the wheel at letter F.

As a starting point, the pressure is set at the lowest possible level.

The main rule is that the thicker the wood material, the slower the movement of the sword and the lighter the pressure. Too strong feeding will entail that the engine will not pull the chain and is disconnected by the safety valve.

Too little pressure may cause the chain to jump.

The cutting movement may thus be adjusted to the thickness of the material.

5 Speed output conveyor

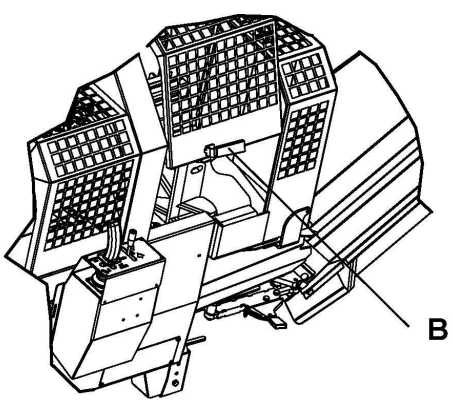
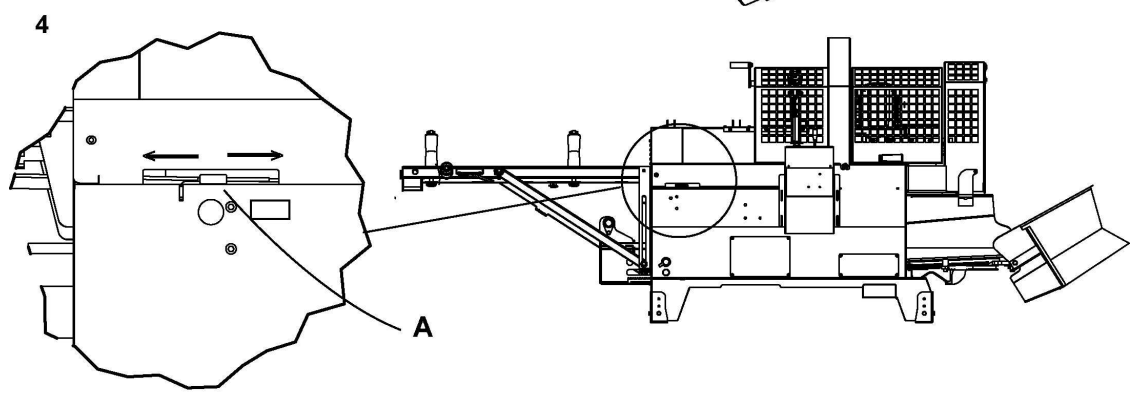
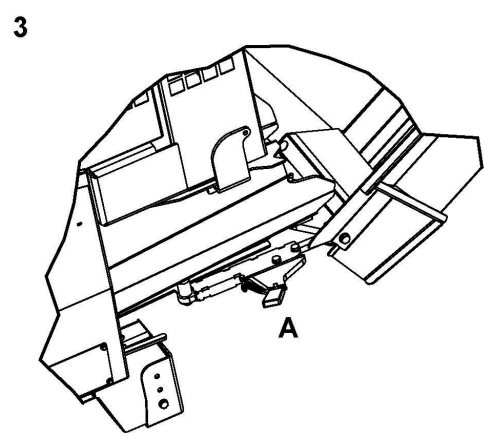
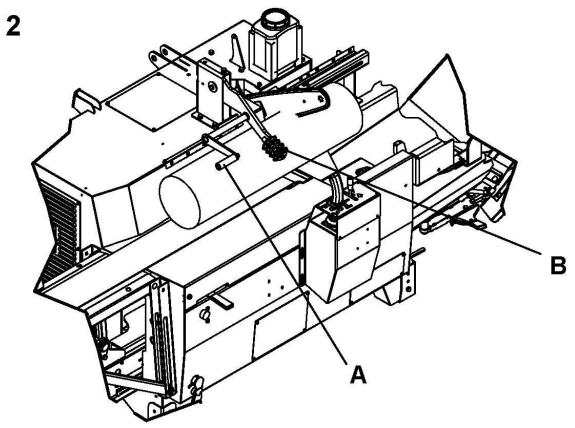
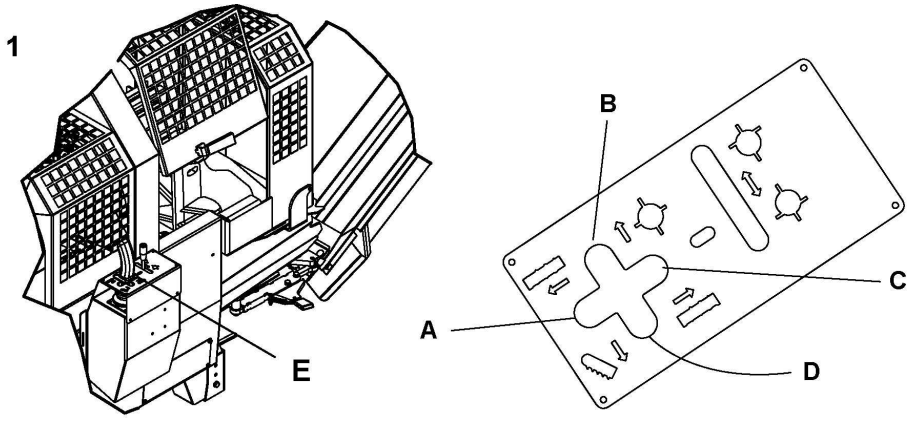
The speed is adjusted with an adjustment wheel fitted on the adjustment block for this at letter G as illustrated.

Select a speed that suits the purpose – depends on the desired throwing length and container to receive the wood.

6 Hydraulic knife lift

The splitting knife H is adjusted up H and down I with the lever equipped for this purpose

In order to change knife J, the lever is moved to the top position (H). In this position, the knife may be lifted out by pressing it forward and lifting it up.



1 Cutting

The lever for operating cutting and operation of the feeding conveyor forwards and backwards (E) has several functions:

The saw chain is hydraulically operated and starts when the lever is moved towards (D).

The lever also releases the splitting function when it is moved towards (B) as illustrated.

Thin wood material that is not to be split

When cutting thin wood materials, you may cut several continuous lengths and let them fall into the splitting cradle without activating the splitting piston. This makes for a far faster cycle.

The splitting function is always released by moving the cutting lever to position B.

2 Safety hand operated log holder

Avoid placing your hands close to the saw chain. This is obtained by using the log holder B and the handle A to operate it.

For cutting the last log of wood, it is important to retain a “suitable” length and cut a shorter piece as the next to last. During this operation, it is especially important to use the hand operated log holder B by means of the handle A so that the user does not receive an unexpected backlash from the final piece.

When you want to cut twiggy or crooked logs, it is important to make sure that these are securely placed. Use the hand operated log holder as much as possible during cutting of such wood materials to prevent that fingers/hands are squeezed.

3 Sideways adjustment of the transporter

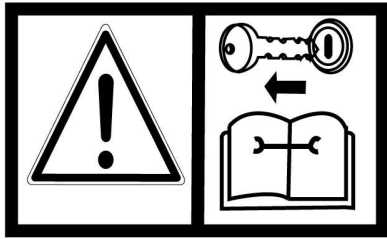
The transporter may be adjusted in 3 positions to each side; i.e. 7 positions in total. To release the locking, the handle A is activated. The transporter is released and may be moved sideways. The handle A will engage in the first fixing hole (sideways position) when the transporter is moved sideways. If you want to make a sideways adjustment to the extreme outer position, it is recommended to move the transporter sideways to the first stop and then release the handle A to arrive at the next position.

4 Jammed wood materials

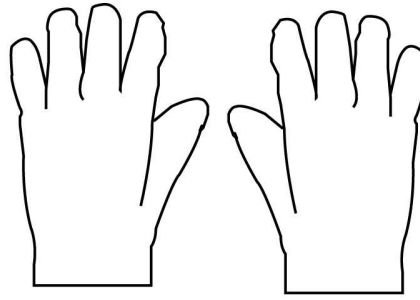
If the splitter does not manage to split the wood – the piston is moved backwards by pulling the lever A towards the right.

The log must be removed manually. The safety cover B is opened with the handle for this purpose. This movement closes the machine’s hydraulic functions. The log may be introduced again for another attempt.

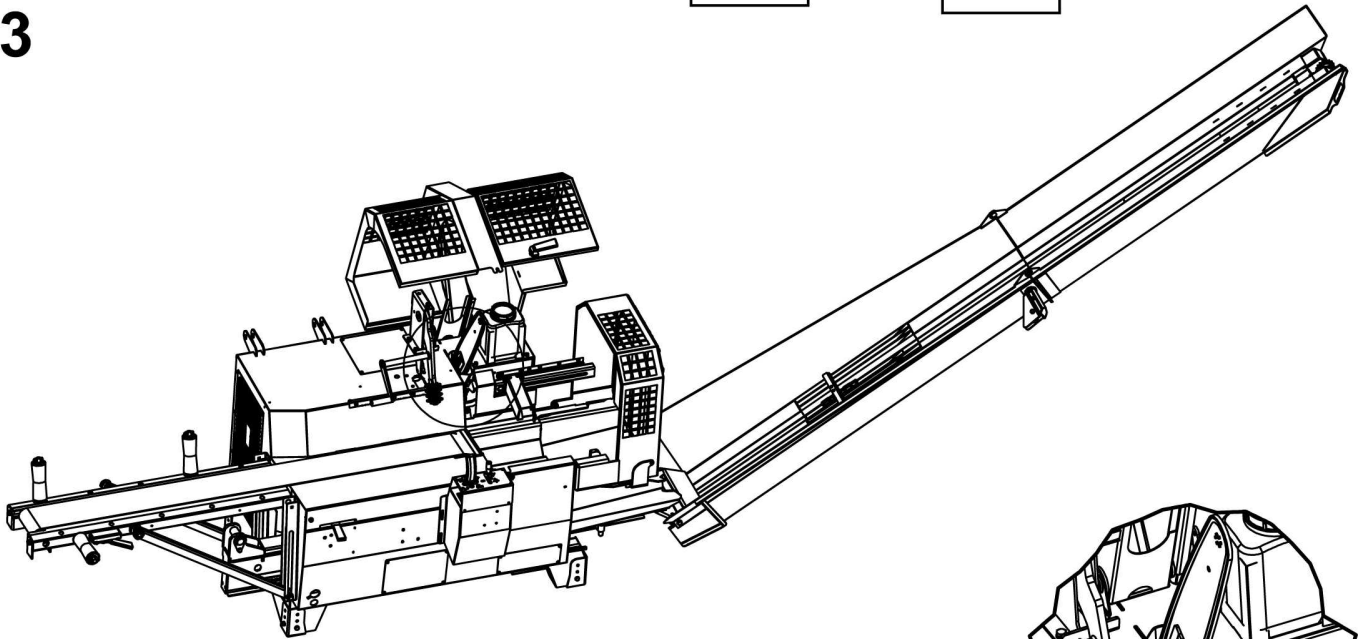
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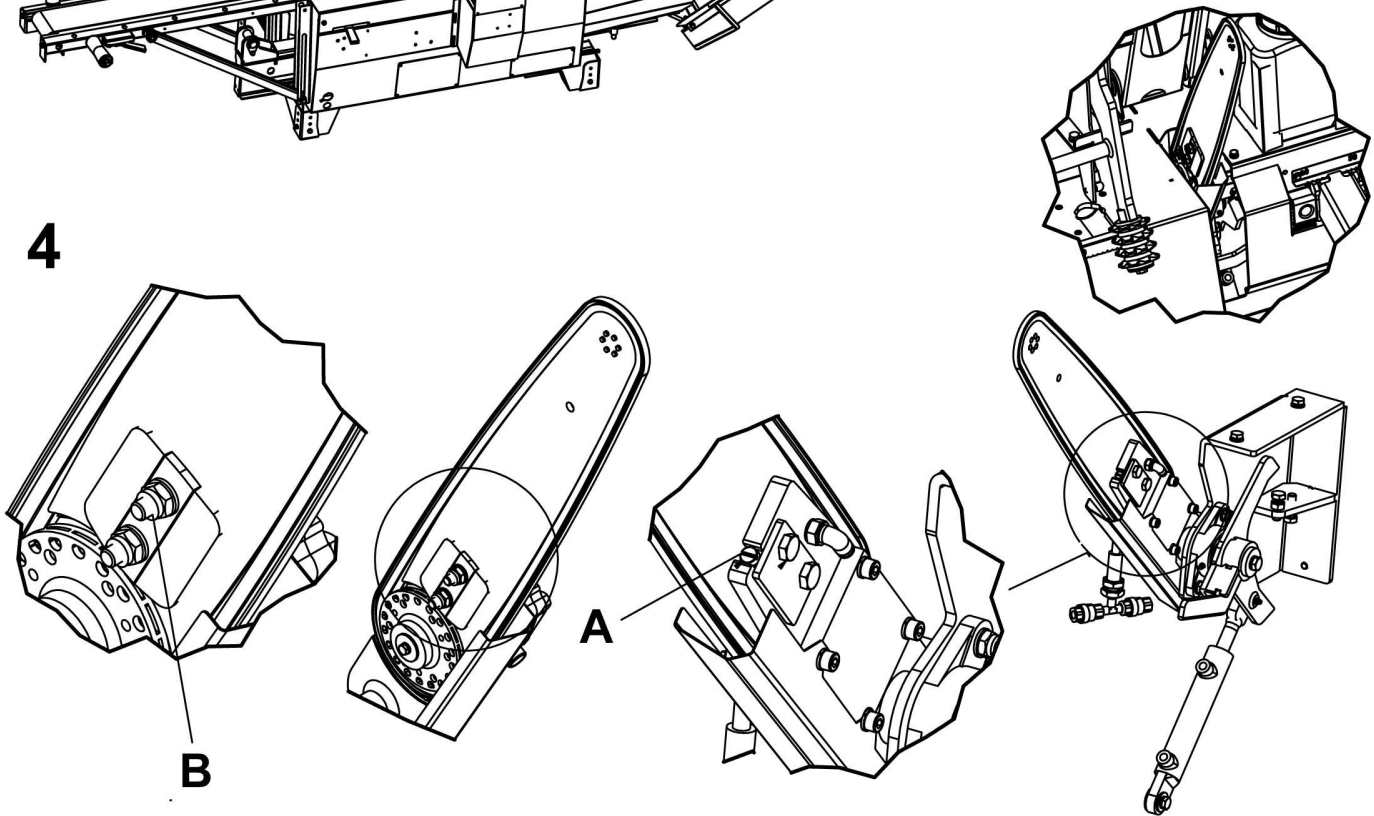
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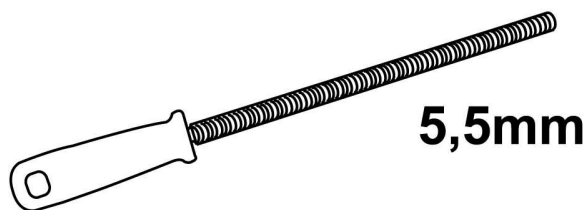
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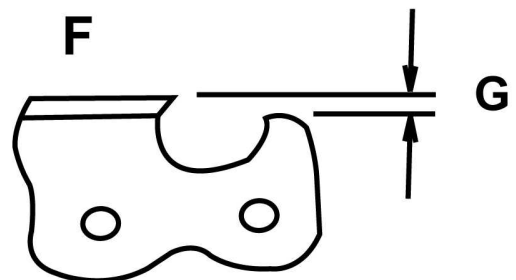
4



5



5,5mm



Chain sharpening

General

Blunt chains and skewly sharpened chains entail great wear on the saw chain sword and risk of extra costs and complications.

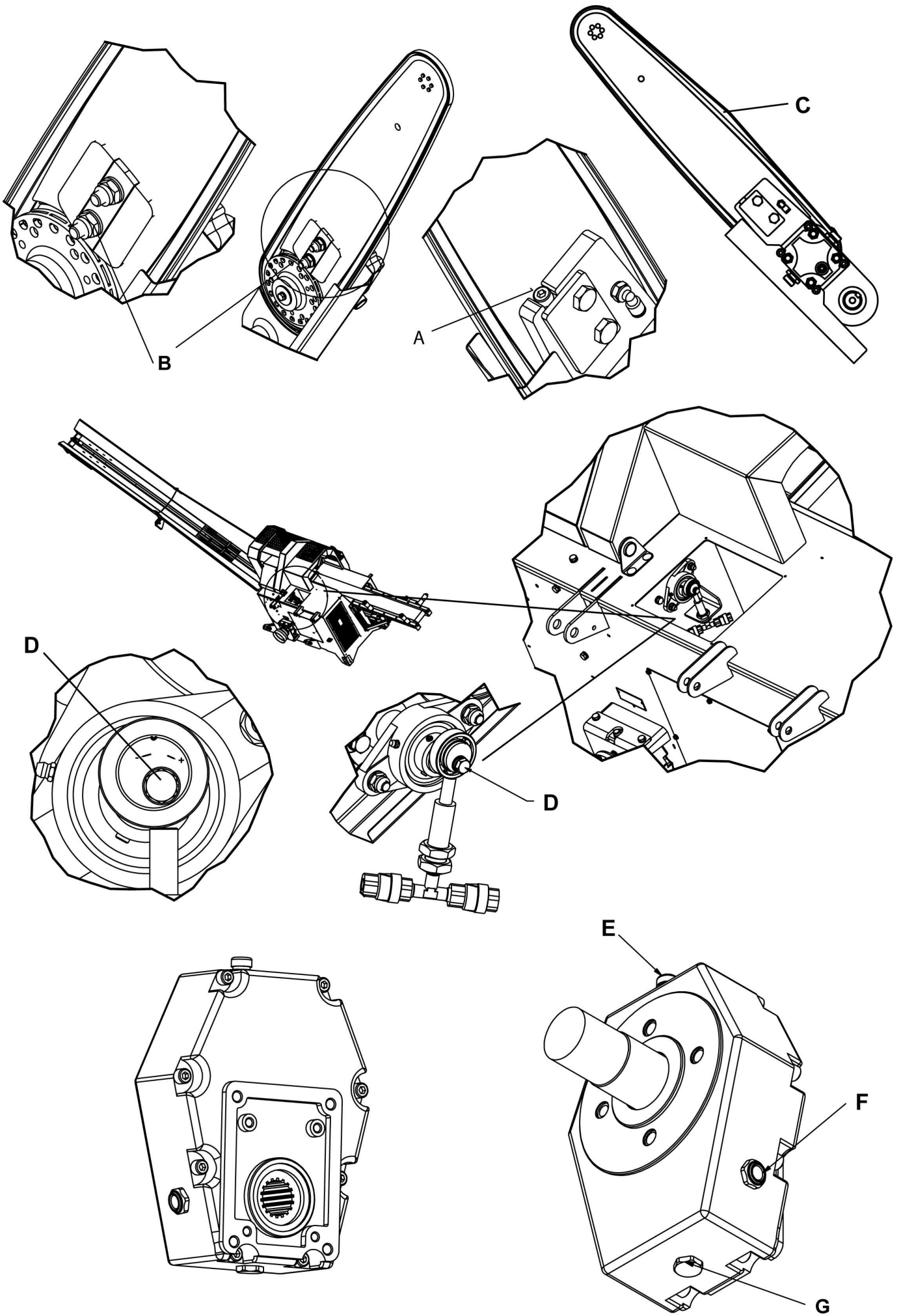
In order to avoid this, Duun VM420 is designed so that the saw chain always must be dismantled from the machine for any sharpening or replacement.

As a starting point, we recommend replacement of the chain or sharpening in equipment designed for this purpose.

Alternatively, the saw chain may be sharpened in accordance with the standard procedure with a file with file gauge for 5.5mm chain and rider gauge. This is to safeguard against faulty sharpening and complications.

1. Before any sharpening work is initiated – stop the machine and tractor and remove the key to ensure unintentional start during the work.
2. Always use work gloves during work with the chain!
3. The covers over the chain proper and the cover over the splitting cradle as sketched
4. To replace the chain, the screw A is released (first release the nuts B) as far so at to allow the chain to be removed in the back for maintenance or replacement.
5. File dimension 5.5mm similar for older chain saws.

The chain is now available for sharpening with a round file from both sides. It is very important to maintain the correct shape of the teeth as illustrated. The main concern is to employ the correct file dimension and make sure you maintain the correct angle of the cutting edge – i.e. 30 – 35 degrees. Figure F shows the correct shape of a sharpened tooth.



Chain tensioning and adjustment of the chain lubrication

1 Chain tensioning

Use gloves during work with the chain!

The chain is tensioned by releasing the two nuts (B). Then screw (A) is tightened to tension the chain proper. Afterwards, the nuts (B) are tightened.

If you prefer to replace the chain, this is done by releasing the screw A (first release the screws B) as far so as to allow the chain to be removed in the back for maintenance or replacement.

Check the chain tensioning by pulling the chain on the middle of the sword C. If you are able to pull the chain 4-5mm up at the edge of the sword, this is considered suitable tensioning. A new chain becomes slackened faster and has to be checked more often.

2 Adjustment of the chain lubrication

The need for chain lubrication may vary with the average thickness of the wood material.

The lubrication is adjusted by releasing the connection (D) and turning the eccentric disk clockwise (+) to increase the lubrication quantity per blow or the opposite (-) to reduce the quantity

3 Gearbox

Recommended oil: Statoil Gearway PS45 75-90 Specification API GL-5 or similar.

The oil volume is 0.35 litres.

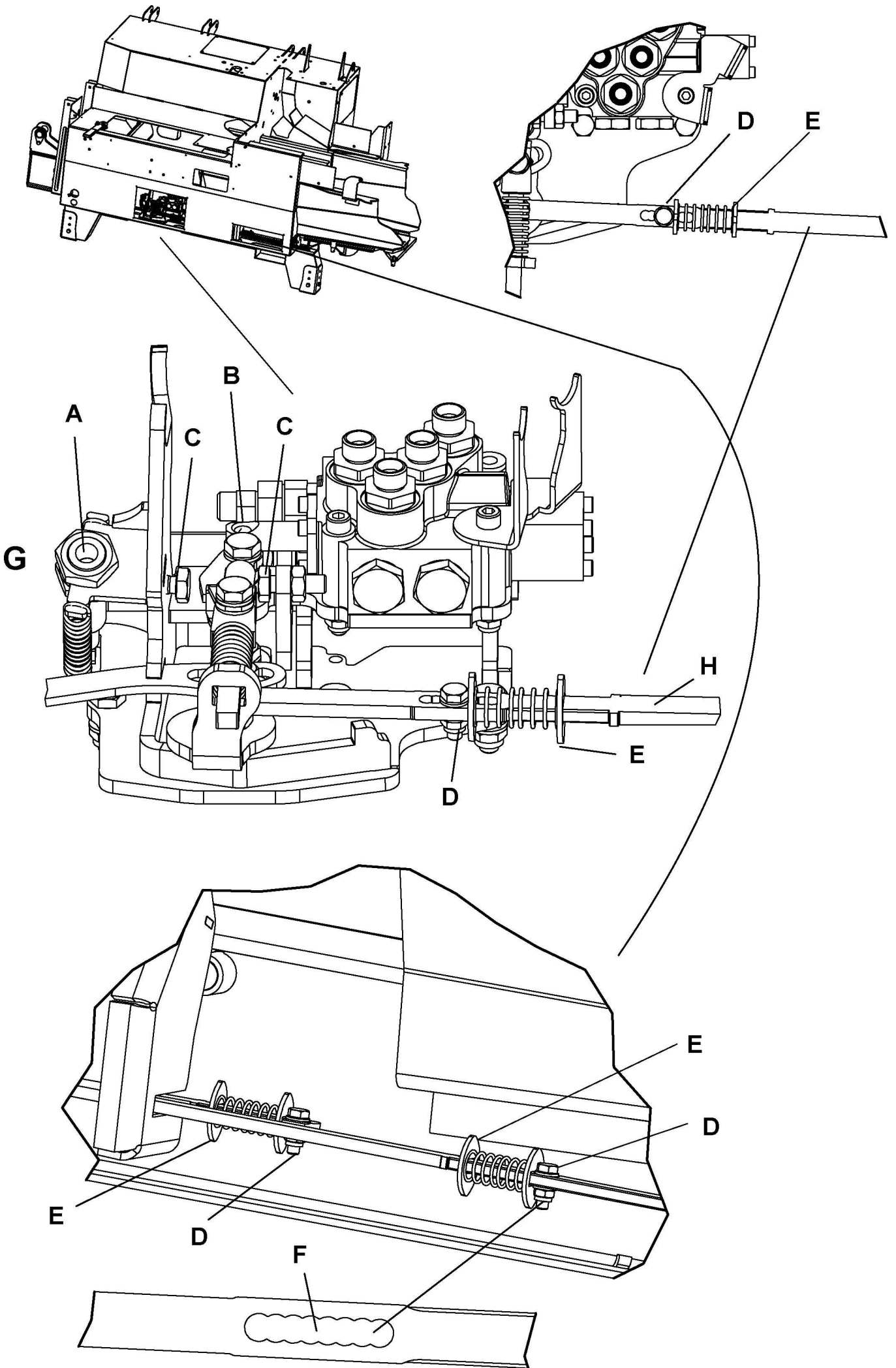
It is very important that the specified oil quality is used particularly with reference to the lubrication effect in below zero temperatures.

Check the oil level after 50 operating hours or after each season by releasing level screw F as illustrated in the sketch (the oil to leak at sufficient level). Topping up via the breathing plug E on the top of the drainage via the plug G. All these are available from the outside of the machine.

Oil change should be carried out every other season or after 500 operating hours (whatever occurs first). Oil change is to be carried out as prescribed with Statoil Gearway PS45 75-90 API GL-5.

It is very important to fill the correct quantity of oil into the gearbox.

Too much oil will lead to higher operating temperatures and risk of breakdown.



Maintenance and adjustment of the mechanism

The mechanism G is available via the cover as illustrated. Access to the impulse sender from return of the splitter piston is in the opening to the right.

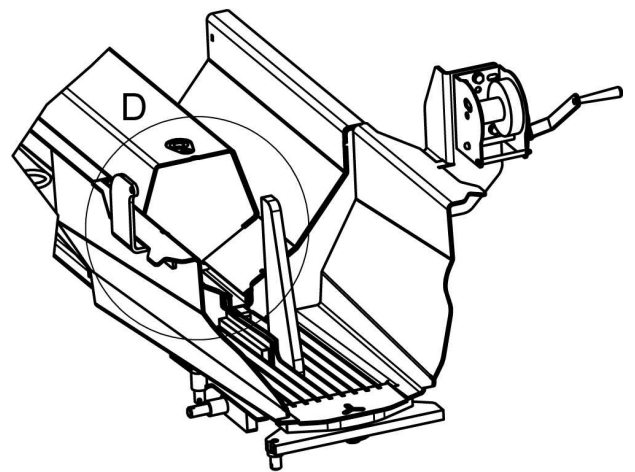
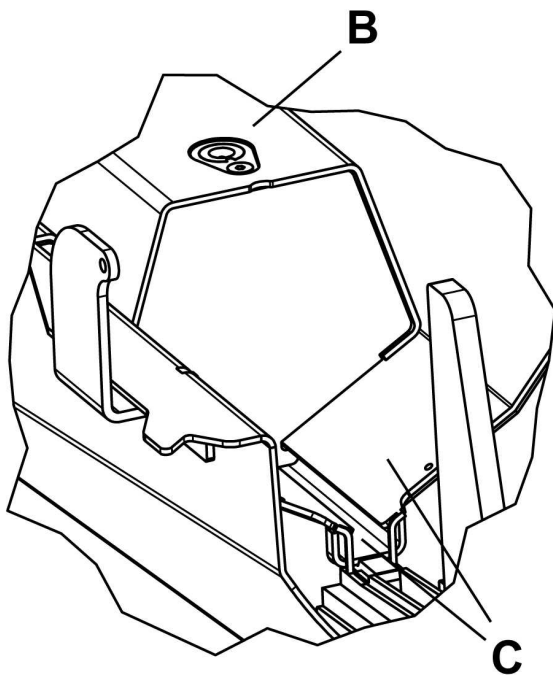
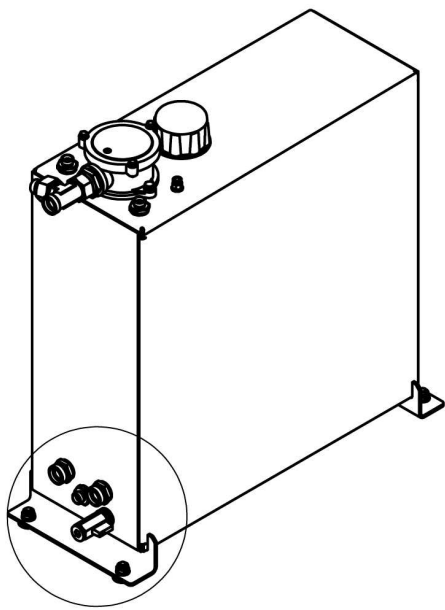
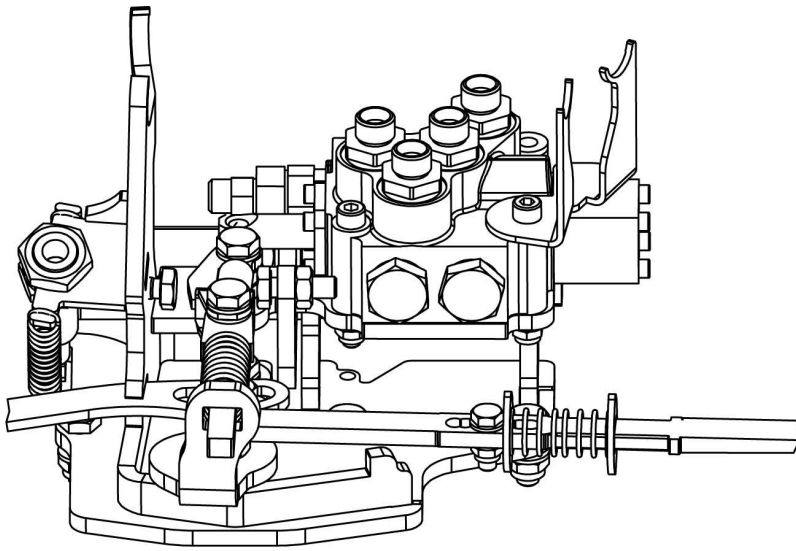
The impulse for activation of the splitter blow comes via the small hydraulic cylinder in A. Impulse for return of stop of the splitter piston comes via bar H and the stoppers E. This impulse is transferred to the valve arm B which moves the valve slide mechanically to 3 positions: Tour, return and neutral

The stop signal and the return signal for the splitter piston are produced by contact with the spring loaded discs E. This point of contact may be adjusted by placing the screw D in the groove F.

It is important that the mechanism is kept free from pollution and the gliding surfaces C are lubricated at regular intervals to reduce the wear.

NB! There are movable parts in the mechanism which involve great power and risk of crushing.

The machine should never be operated when the covers are removed.



Lubrication points and maintenance

VM420 has many bearing points, of which many are only subjected to easy loads and are therefore equipped with pre-lubricated ball-bearings.

The other bearings are mainly flange bearings that require moderate lubrication. The main rule here is to avoid excessive lubrication and forcing of the oil seals in the bearings.

Mechanism –lubrication, cleaning

It is an advantage to clean and coat the mechanism with a thin film of oil on the gliding surfaces annually.

This is to reduce the mechanical wear and the risk of malfunctions during operation.

Access to the mechanism is gained by removing pos. 9 pump cover pp.42-43.

The easiest access to the mechanism is straight forward – **in case you work with the machine elevated, it must always be equipped with anti-falling equipment.**

NB! There are movable parts in the mechanism which involve great power and risk of crushing.

The machine should never be operated when the covers are removed.

Hydraulic oil – measures maintenance

Check of condensation in accordance with the measures described on p.17.

Replace the Filter cartridge (2251065) in the oil filter (1) after the first 50 operating hours and afterwards once a year or after 500 operating hours (depending on whatever occurs first) to ensure max filtration of the oil at all times. Pos. 6 pp.38-39.

Change hydraulic oil after the first 50 operating hours and later every year or after 500 operating hours (whatever occurs first); this is also to secure max oil quality.

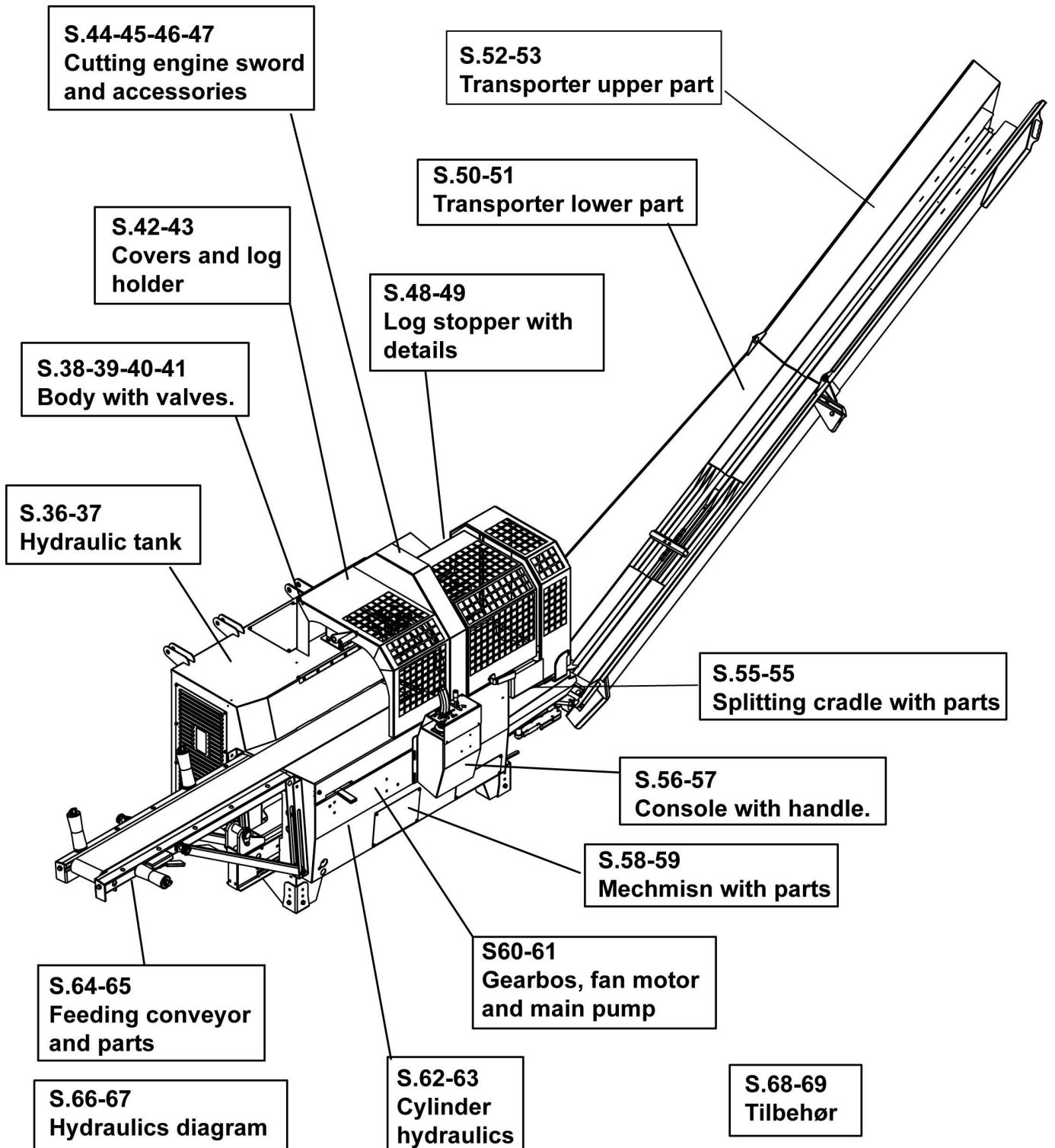
Bearing points for the splitter cylinder and the gliding surfaces in the grooved for the splitter piston + gliding surfaces

Interval: Once every day during operation as these are points that are subjected to great strain.

The lubrication point for this is nipple B

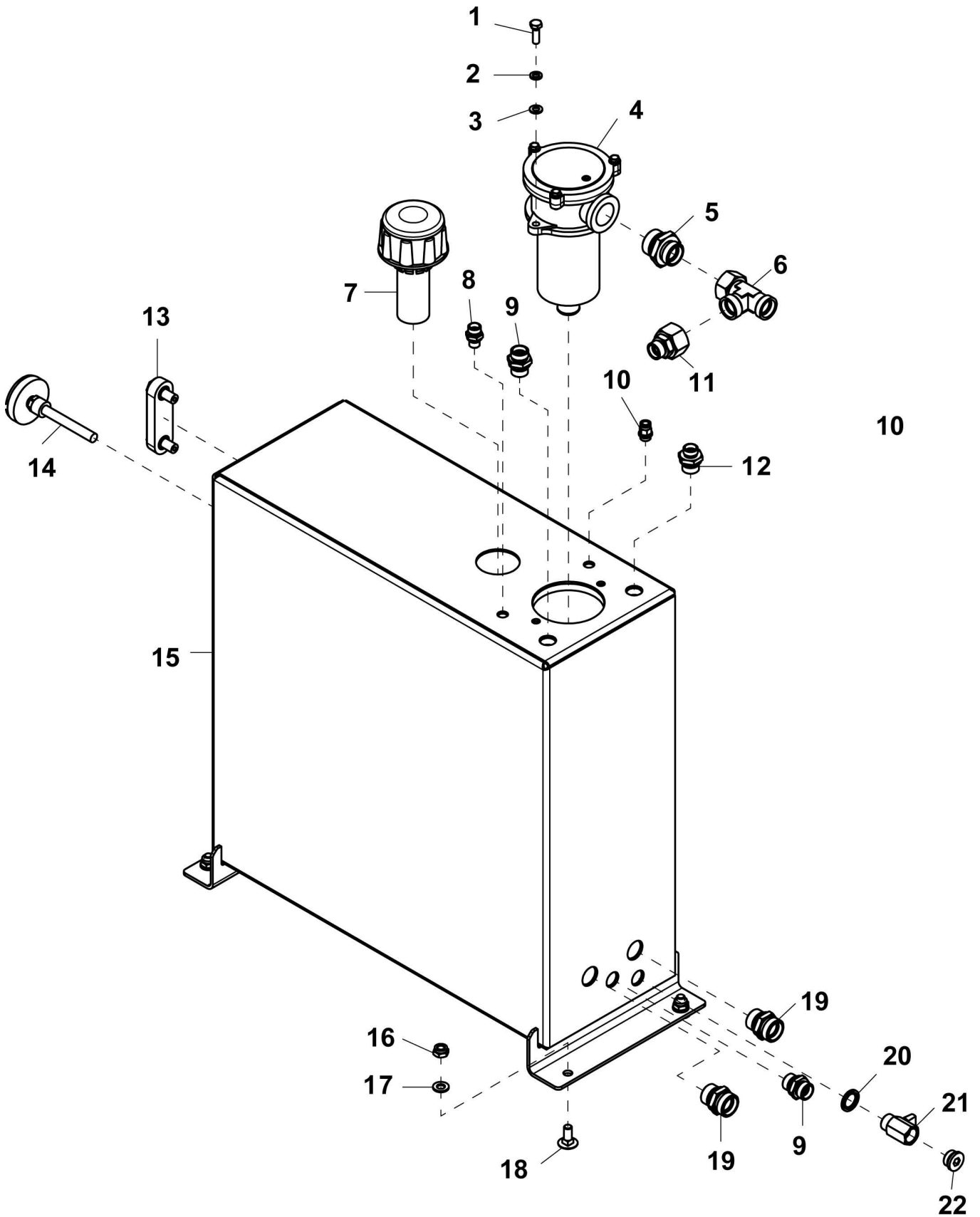
The lubrication nipple is directly accessible.

The gliding surfaces are marked C.





Group: 141-	Hydraulic tank	Edition: 1.2009
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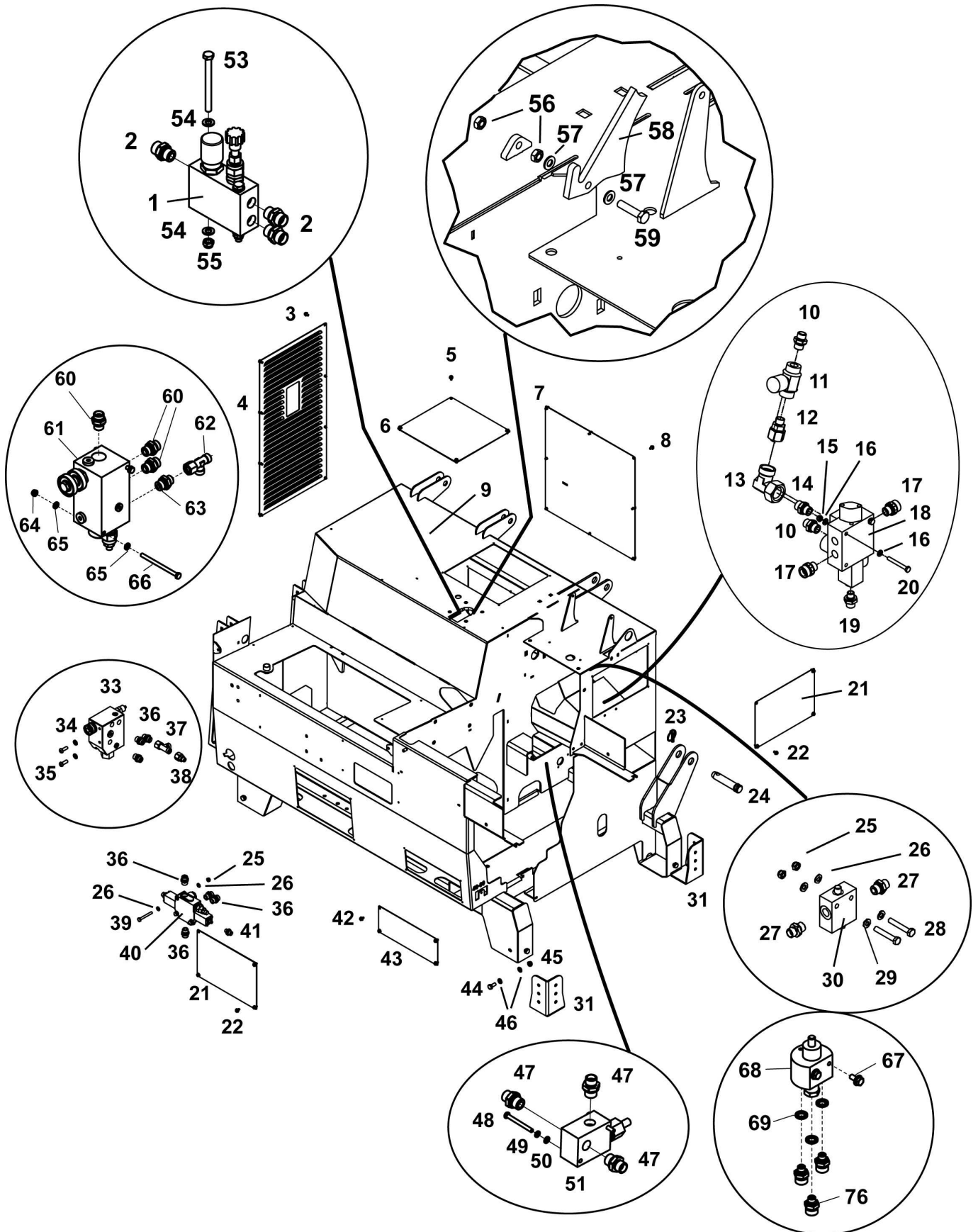
Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-1-	Hydraulic tank	Edition: 1.2009
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Pos. No.	Quantity	Designation	Part no.	Comment
1	2	Hexagon screw M8x25 A4 DIN 933	2426246	
2	2	Spring disk M8 A4 DIN127	2538047	
3	2	Washer M8 A4 DIN 125	2537047	
4	1	Return filter SIF 20 C10	2251064	
		Filter element for SIF.20C10	2251065	Service part
5	1	Hexagon nipple 1" L-22mm	2957781	
6	1	T-hexagon nipple L22L22L22/S	2957778	
7	1	Filling cap (complete)	2931018	
8	1	Hexagon nipple GEK BSP 1/4" L10 ED	2957754	
9	1	Hexagon nipple GEK BSP 1/2" L15 ED	2957768	
10	1	Flash fittings 8mm 1/4" straight	2957818	
11	1	Reducer L22-L15	2957512	
12	1	Hexagon nipple GEK BSP 1/2" L12 ED	2957766	
13	1	Sight glass with thermometer	2957820	to:09015
13	1	Sight glass M12 L-76	2957821	From:09016
14	1	Thermometer	2957825	From:09016
15	1	Main tank	14120148	to:09015
15	1	Main tank	14120223	From:09016 to :09085
15	1	Main tank	14120242	From:09086
16	4	Hexagon nut M10 locking galvanized 8.8	2483610	
17	4	Washer M10 galvanized	2531060	
18	4	Locking screw M10x25 galvanized 8.8.	2344330	
19	2	Hexagon nipple GEK BSP 3/4" L22 ED	2957774	
20	2	Hydraulic seal 1/2"	2957861	
21	1	Ball valve 1/2 - 1/2"	2957602	To:09085
21	1	Valve 1/2" - 1/2" Ball valve	2957601	From:09086
22	1	Plug 1/2" with seal	2957421	
23		Hydraulic oil 78 litres	141201152	



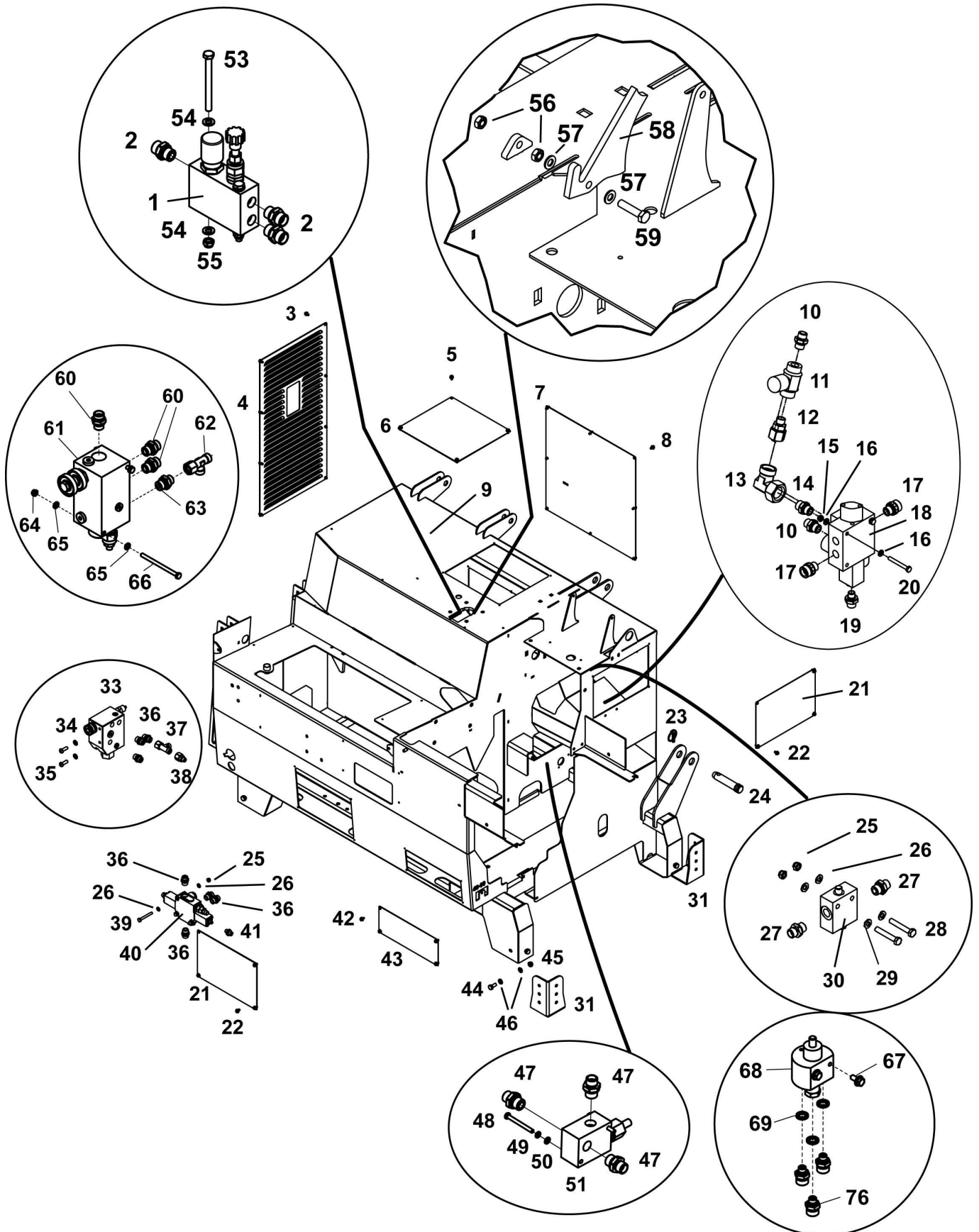


Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-1-		Body with valves	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	1	Valve quantity regulation cutting movement	2955324	To: 09025
1	1	Block saw feeding FP-09C-0013	2955418	From: 09026
2	3	Hexagon nipple BSP 3/8" GEK 10L	2957759	To:09025
2	3	Hexagon nipple BSP 3/8" GEK 12L	2955749	From:09026
3	8	Hexagon screw with flange M6x10 galv. 8.8	2451196	
4	1	Suction cover	14120149	
5	4	Hexagon screw with flange M6x10 galv. 8.8	2451196	
6	1	Cover	14120185	
7	1	Cover	14120159	To:09105
7	1	Cover	14120262	From:09106
8	8	Hexagon screw with flange M6x10 galv. 8.8	2451196	
9	1	Machine stand	14120072	
10	2	Hexagon nipple BSP 3/8" GEK 10L	2957759	To:09025
10	1	Hexagon nipple BSP 3/8" GEK 12L	2957749	From:09026
11	1	Restrictor non return valve 3/8".	2955348	To:09025
12	1	Swivel BSP 3/8" GEK 12L	2957748	To:09025
13	1	Swivel nipple L12 L12 90 gr	2957745	To:09025
14	1	Hexagon nipple BSP 3/8" GEK 12L	2957749	To:09025
14	1	Hexagon nipple BSP 3/8" GEK 10L	2957759	From:09026
15	2	Hexagon nut M6 locking galv.	2483608	
16	4	Washer M6 galvanized	2531039	
17	2	Hexagon nipple BSP 3/8" GEK 15L	2957750	
18	1	Valve for saw feeding	2955357	
19	1	Hexagon nipple BSP 1/4" GEK 10L	2957754	
20	2	Hexagon screw M6x50 galv 8.8	2422217	
21	2	Cover plate	14120160	
22	8	Hexagon screw with flange M6x10 galv.	2451196	
23	2	Locking pin Ø10x40	2556142	
24	2	Steady-brace bolt Ø28x95	2551730	
25	8	Hexagon nut M8 locking galvanized 8.8	2483609	To:09025
26	6	Washer M8 galvanized	2531047	To:09025
27	1	Hexagon nipple BSP 3/8" GEK 10L	2957759	To:09025
28	2	Hexagon screw M8x50 galv.8.8	2422256	To:09025
29	2	Washer M8 galvanized	2531047	To:09025
30	1	Valve remote control FC10/10	2955320	To:09025
31	4	Leg adjustable	14120131	
33	1	Engine block Duun VM	2955417	To:09085
34	2	Washer M10 galvanized	2531060	To:09085
35	2	Unbraco button head screw M10x30 galv.	2476299	To:09085
36	12	Hexagon nipple 1/2" L-15mm	2957768	To:09085
37	1	T hexagon nipple L15 L15/6 L15	2957776	To:09085
38	1	Reducer L15-L10	2957510	To:09085
39	6	Hexagon screw M8x65 galv.	2422260	
40	1	Valve	2955354	



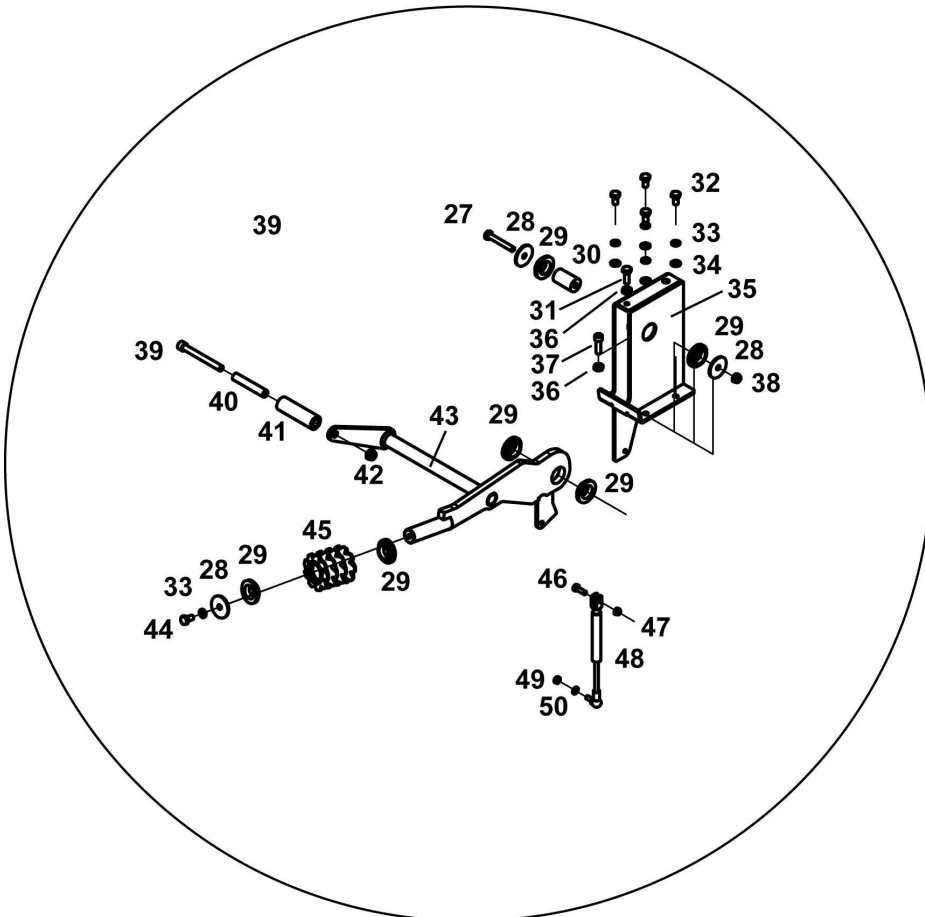
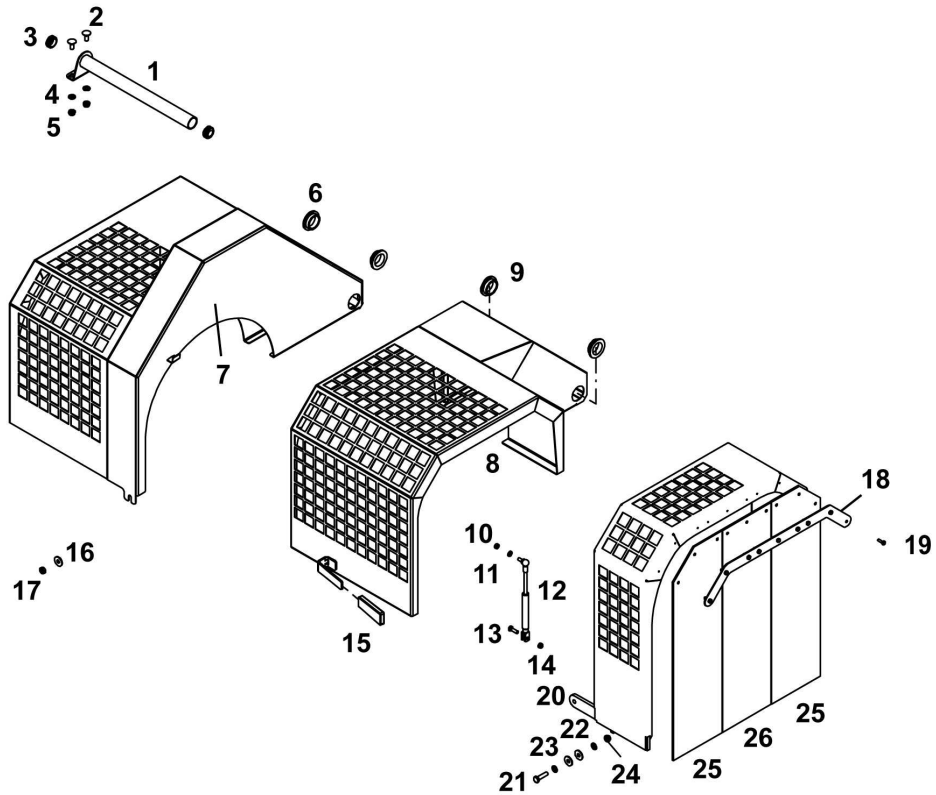


Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-1-		Body with valves	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
41	1	Hexagon nipple BSP 3/8" GEK 10L	2957754	
42	4	Hexagon screw with flange M6x10 galv.	2451196	
43	1	Cover plate	14120184	
44	8	Hexagon screw M10x25 galvanized 8.8.	2422297	
45	8	Hexagon nut M10 locking galvanized 8.8	2483610	
46	16	Washer M10 galvanized	2531060	
47	3	Hexagon nipple BSP 3/8" GEK 10L	2957778	To:09025
48	2	Hexagon screw M6x50 galv.8.8	2422217	To:09025
49	2	Spring washer M6 galvanized	2534039	To:09025
50	2	Washer M6 galvanized	2531039	To:09025
51	1	Valve safety valve pilot	2955323	To:09025
52	1	Hexagon nipple BSP 3/8" GEK 10L	2957759	To:09025
52	1	Hexagon nipple BSP 3/8" GEK 12L	2957749	From:09026
53	2	Hexagon screw M8x90 galv.	2422265	From:09026
54	4	Washer M8 galv.	2531047	From:09026
55	2	Nut locking M8 8.8 galv.	2483609	From:09026
56	2	Nut hexagon M8 8.8 galv DIN 934	2481609	From:09106
57	2	Washer M8 galv.	2531047	From:09106
58	1	Cover support	14120256	From:09106
59	1	Screw hexagon M8x35 8.8 galv. DIN931	2422250	From:09106
60	3	Hexagon nipple BSP 3/8" GEK 12L	2957749	From:09086
61	1	Valve priority setting FPX 3/8 G	2955317	From:09086
62	1	T hexagon nipple L10-L10/S-L10	2957721	From:09086
63	1	Hexagon nipple BSP 3/8ut-GEK10L	2957759	From:09086
64	2	Nut locking M6 8.8 galv.	2483608	From:09086
65	4	Washer M6 galv.	2531039	From:09086
66	2	Screw hexagon M6x90 8.8 galv.	2422225	From:09086
67	1	Screw hexagon M6x10 with flange DIN6921	2451196	
From:09026				
68	1	Valve emergency stop 1/8"	2955322	From:09026
69	3	Hydraulic gasket 1/8"	2957864	From:09026
70	3	Hexagon nipple BSP 1/8"-GEK10L	2957753	From:09026



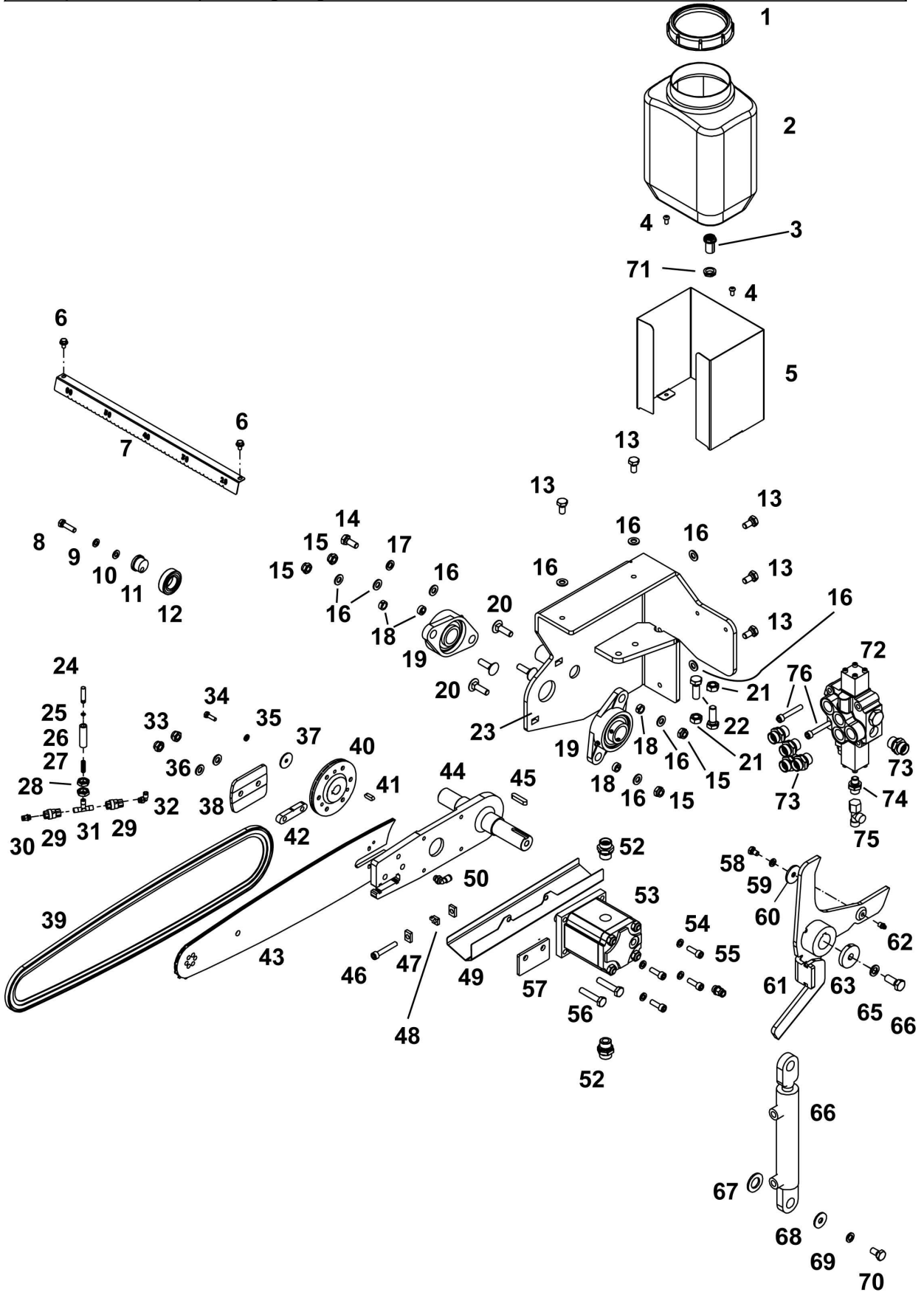


Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-1-		Covers and log holder	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	1	Bearing point shaft	14120164	
2	2	Locking screw M10x25 galvanized 8.8.	2344330	
3	2	End plug Ø35 interior	2245069	
4	2	Washer M10 galvanized	2531060	
5	2	Hexagon nut M10 locking galv.	2483610	
6	2	Bearing plastic	2245023	
7	1	Sword cover	14120161	To:09105
7	1	Sword cover	14120243	From:09106
8	1	Cover centre	14120156	
9	2	Bearing plastic	2245023	
10	2	Hexagon nut M8 galv.	2481609	
11	2	Washer M8 galvanized	2531047	
12	2	Gas spring	2915111	
13	2	Hexagon screw M8x25 galv.8.8	2422246	
14	2	Hexagon nut M8 locking galvanized 8.8	2483609	
15	1	HANDLE NO.1010	2245062	
16	1	Body washer M10 galvanized	2533060	
17	1	Hexagon nut M10 galv. 8.8	2481610	
18	1	Damping plate	14120214	To:09086
18	1	Damping plate	14130105	
19	9	Screw hexagon M6x12 with flange DIN6921	2451197	
20	1	Cover right hand side	14120154	
21	2	Hexagon screw M10x40 galvanized 8.8.	2422303	
22	4	Washer M10 galvanized	2531060	
23	4	Body washer M10	2533060	
24	2	Hexagon nut M10 locking galv.	2483610	
25	2	Curtain exterior	14120157	To:09086
25	2	Curtain exterior	14130106	From:09106
26	1	Curtain middle	14120155	To:09086
26	1	Curtain middle	14130113	From:09086
27	1	Hexagon screw M10x70 galvanized 8.8.	2422312	
28	2	Washer	14120080	
29	6	Bearing	14120168	
30	1	Bushing	14120171	
31	1	Hexagon screw M10x30 galvanized 8.8.	2422299	
32	4	Hexagon screw M10x20 galvanized 8.8.	2422295	
33	5	Spring washer M10 galv.	2534060	
34	4	Washer M10 galvanized	2531060	
35	1	Log holder bracket	14120167	
36	1	Hexagon nut M10 galv.	2481610	
37	1	Screw Unbraco cylinder head M10x35	2471301	
38	1	Hexagon nut M10 locking galv.	2483610	
39	1	Screw Unbraco cylinder head M12x110	2471366	
40	1	Bushing	1311862	
41	1	Handle plastic 4-530 Art. 17540	2245066	
42	1	Hexagon nut M12 locking galv.	2483611	
43	1	Log holder	14120166	
44	1	Hexagon screw M10x20 galvanized 8.8.	2422295	
45	1	Log holder wheel	14120181	
46	1	Hexagon screw M8x25 galv.8.8	2422246	
47	1	Hexagon nut M8 locking galv.	2483609	
48	1	Gas spring No. 8-18 M8/M8 400N.	2915111	
49	1	Hexagon nut M8 galv. 8.8	2481609	
50	1	Washer M8 galvanized	2531047	





Spare parts catalogue

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Fire wood processor VM420

Group: 141-1-		Cutting engine sword and accessories	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	1	Cap for plastic container	2245068	
2	1	Oil tank	2245067	
3	1	Bulkhead bushing 8mm acetal	2957811	
4	2	Unbraco button head screw M6x10 galv.	2476196	
5	1	Stand for chain oil tank	1411399	
6	2	Hexagon screw with flange M6x10 galv. 8.8	2451196	
7	1	Length indicator	14120065	
8	1	Hexagon screw M8x20 galv.8.8	2422248	
9	1	Spring washer M8 galv.	2534047	
10	1	Washer M8 galvanized	2531047	
11	1	Eccentric bushing	14120190	
12	1	Ball bearing 6005 2RS Ø47/25	2951124	
13	5	Hexagon screw M10x20 galvanized 8.8.	2422295	
14	1	Hexagon screw M10x25 galvanized 8.8.	2422297	
15	4	Hexagon nut M10 locking galvanized 8.8	2483610	
16	10	Washer M10 galvanized	2531060	
17	1	Spring washer M10 galv.	2534060	
18	4	Bushing	1411167	
19	2	Flange bearing UCFL 206 30mm	2954171	
20	4	Locking screw M10x35 galvanized 8.8.	2344332	
21	2	Hexagon nut M12 galv. 8.8	2481611	
22	2	Hexagon screw M12x35 galvanized 8.8.	2422350	
23	1	Sword bracket	14120050	
24	1	Piston	14120133	
25	1	O-ring 8,00-2,00	2233008	
26	1	Cylinder	14120132	
27	1	Pressure spring Dt1,5 Di1,5 L45 St	2912013	
28	2	Hexagon nut low M20x1.5 galv. DIN936	2482615	
29	2	Non return valve	2955330	
30	1	Flash fittings 8mm ¼" straight	2957818	
31	1	Pipe coupling T-piece BSP ¼" ext.	2957500	
32	1	Flash fittings 6mm ¼" 90 degrees	2957815	
33	2	Hexagon nut M10 locking galvanized 8.8	2483610	
34	1	Hexagon screw M6x20 galv.8.8	2422205	
35	1	Spring washer M6 galvanized	2531039	
36	2	Washer M10 galvanized	2531060	
37	1	Washer	14120047	
38	1	Damping plate	1411236	
39	1	Saw chain 71 joint 0,404 division	2963135	
40	1	Drive wheel saw chain	14120046	
41	1	Cotter 6x6 L-20	Sequence motor pos. 53	
42	1	Wedge	14120209	
43	1	Cutting sword complete	2933050	
44	1	Sword bracket	14120051	
45	1	Cotter 8x7 L-36 DIN 6885A	2115131	



Spare parts catalogue

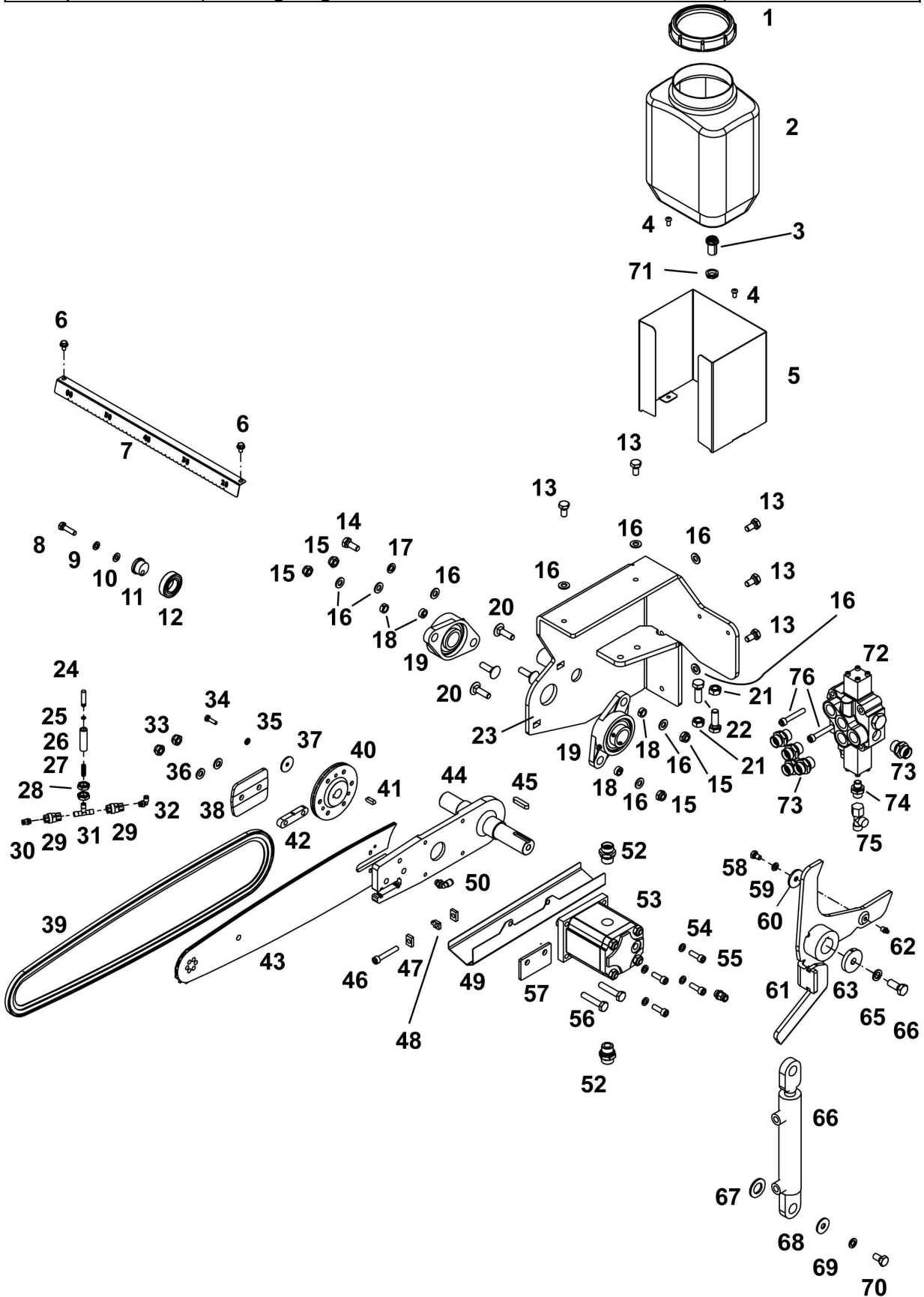
DUUN

Fire wood processor VM420

Group: 141-

Cutting engine sword and accessories

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-1-		Cutting engine sword and accessories		Edition: 1.2009
Pos. No.	Quantity	Designation	Part no.	Comment
46	1	Unbraco cylinder screw M8x50 galv.	2477256	
47	2	Plate	14120205	
48	1	Tensioning tap	14120206	
49	1	Filings board	14120084	
50	1	Flash fittings 6mm 1/8" 90 degrees	2957814	
51	1	Flash fittings 8mm 1/4" straight	2957818	
52	2	Hexagon nipple 1/2" L15mm	2957768	
53	1	Cutting engine 11ccm	2955562	
54	4	Spring washer M8 galv.	2534047	
55	4	Unbraco cyl. screw M8x25 St.12.9 DIN 912	2471246	
56	2	Hexagon screw M10x50 galvanized 8.8.	2425307	
57	1	Plate	14120204	
58	1	Hexagon screw M8x12 galv.8.8	2422236	
59	1	Spring washer M8 galv.	2534047	
60	1	Body washer Ø35/9x3 galv.	2533058	
61	1	Arm	14120041	
62	1	Grease nipple straight M8	2478407	
63	1	Washer	14120146	
64	1	Spring washer M12 galv.	2534069	
65	1	Hexagon screw M12x30 galvanized 8.8.	2422348	
66	1	Cylinder 32x20x125 H20H20	2955362	
67	1	Washer M20 galvanized	2531086	
68	1	Body washer M10 galvanized	2533060	
69	1	Spring washer M10 galv.	2534060	
70	1	Hexagon screw M10x20 galvanized 8.8.	2422295	
71	1	O-ring Ø17,130x2,620 70NBR	2233018	
72	1	Directional control valve DCV 40/1 saw	2955325	To:09025
72	1	Directional control valve DCV 40/1 saw engine	2955326	From:09026
73	5	Hexagon nipple BSP 1/4"-GEK10L	2957768	
74	1	Hexagon nipple BSP 1/4"-GEK10L	2957754	
75	1	T hexagon nipple L10-L10/S-L10	2957721	
76	2	Screw unbraco cylinder head 8x50 galv.	2477256	



Spare parts catalogue

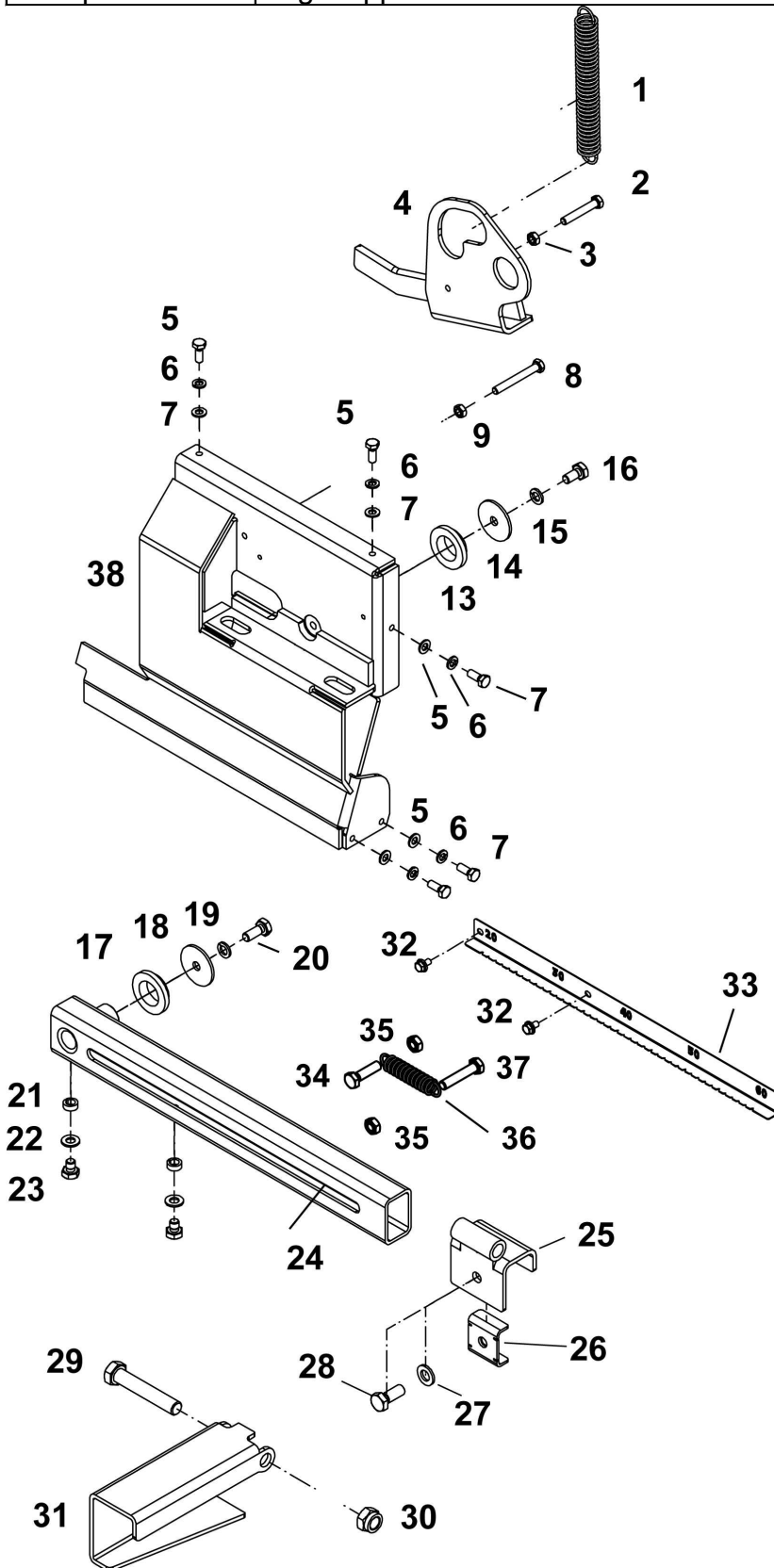
DUUN

Fire wood processor VM420

Group: 141-

Log stopper with details

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-1-		Log stopper with details	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	1	Extension spring Dt 2,5 Dy25 L100 St.	2913030	
2	1	Hexagon screw M8x50 galv. 8.8	2422256	
3	1	Hexagon nut M8 galvanized	242 1609	
4	1	Bracket	14120070	
5	5	Hexagon screw M8x20 galv.8.8	2422244	
6	5	Spring washer M8 galv.	2534047	
7	5	Washer M8 galvanized	2531047	
8	1	Hexagon screw M8-65 galv. 8.8	2422260	
9	1	Hexagon nut M8 galvanized	2481609	
13	1	Washer	14120168	
14	1	Washer	14120080	
15	1	Spring washer M10	2534060	
16	1	Hexagon screw M10x20 galvanized 8.8.	2422295	
17	1	Washer	14120168	
18	1	Washer	14120080	
19	1	Spring washer M10 galv.	2534060	
20	1	Hexagon screw M10x20 galvanized 8.8.	2422295	
21	2	Bushing	1411167	to:09015
21	2	Bushing	14120221	From:09016
22	2	Washer M10 galvanized	2531060	
23	2	Hexagon screw M10x12 galvanized 8.8.	2422287	
24	1	Bracket	14120069	To:09045
24	1	Bracket	14120232	From:09046
25	1	Bracket for log stopper	14120226	To:09025
25	1	Bracket for log stopper	14120169	From:09026
26	1	Clamp bracket log stopper	14120071	
27	1	Washer M12 galvanized	2531069	
28	1	Hexagon screw M12x30 galvanized 8.8.	2422348	
29	1	Hexagon screw M16x90 galv.8.8	2422501	
30	1	Hexagon nut locking M16 galv. 8.8	2483613	
31	1	Log stopper	14120170	
32	2	Hexagon screws with flange M6x10 galv.	2451196	
33	1	Length indicator	14120066	
34	1	Screw hexagon M8x30 8.8 galv.	2422248	From:09046
35	2	Nut hexagon M8 8.8 galv DIN 934	2481609	From:09046
36	1	Extension spring SF-DF 2x15x70	2913028	From:09046
37	1	Screw hexagon M8x40 8.8 galv. DIN931	2422252	From:09046
38	1	Chain motor cover	14120067	To:09045
38	1	Chain motor cover	14120233	From:09046



Spare parts catalogue

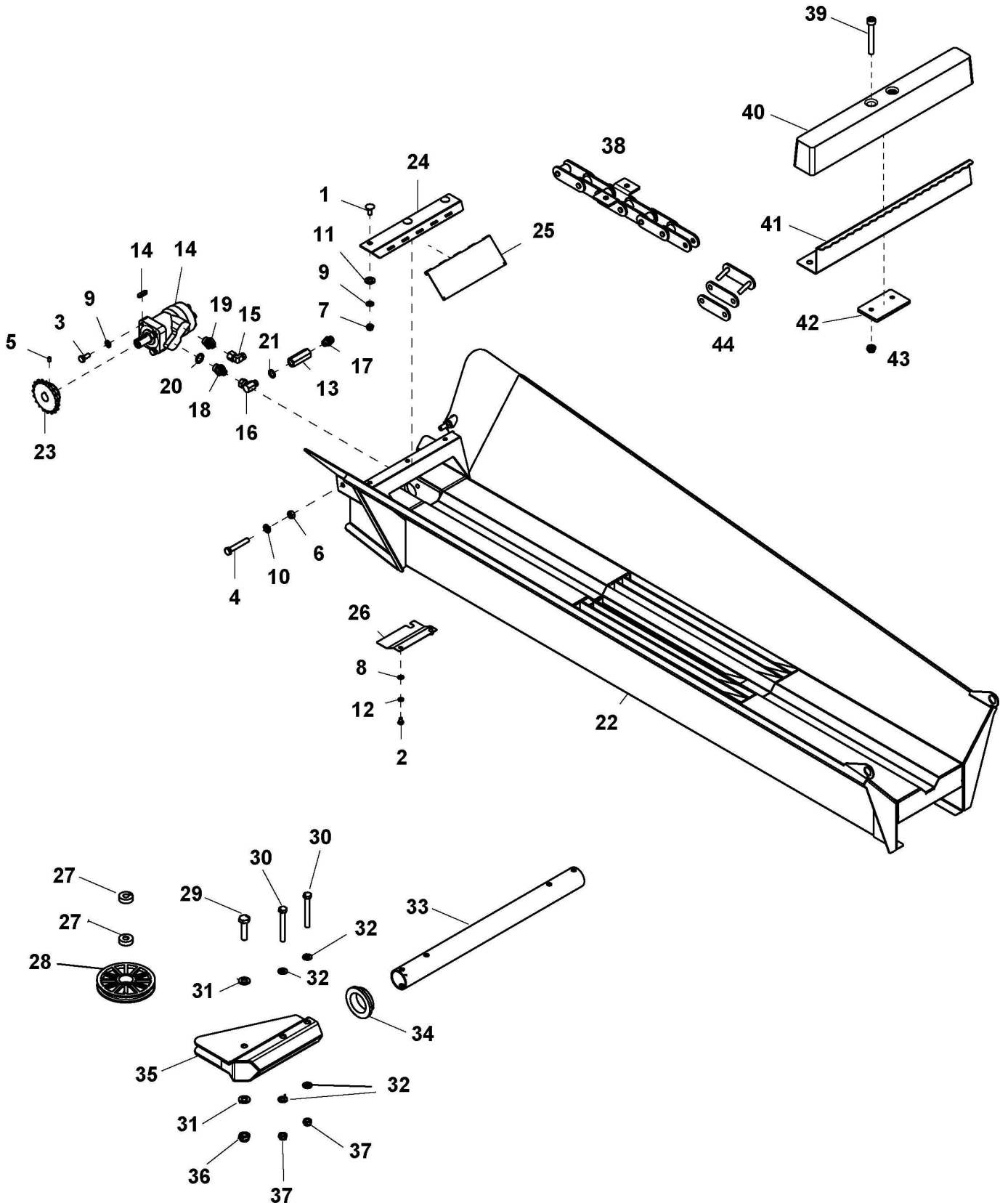
DUUN

Fire wood processor VM420

Group: 141-

Transporter lower part

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-		Transporter lower part	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	3	Locking screw M10x25 galvanized 8.8.	2344330	
2	2	Screw hexagon M8x12 8.8 galv.	4242236	From:09096
3	4	Hexagon screw M10x25 galvanized 8.8.	2422297	
4	2	Hexagon screw M12-75 galv.	2422362	
5	1	Set screw unbraco M8x12	2473236	
6	2	Hexagon nut M12 galv. 8.8	2481611	
7	3	Hexagon nut M10 locking galvanized 8.8	2483610	
8	2	Washer M8 galvanized	2531047	From:09096
9	7	Washer M10 galv.Zn DIN 125	2531060	
10	2	Washer M12 galvanized	2531069	
11	3	Washer M14 galv.	2531072	
12	2	Spring washer M8 DIN 127 B galv	2534047	From:09096
13	1	Non return valve 3/8" 0.5bar	2955331	From:09046
14	1	Gerotor motor EL-R 80ccm - Ø25	2955519	
15	1	Swivel nipple 90` EVWK12L	2957745	
16	1	Swivel nipple 90` EVWK12L	2957745	To:09045
16	1	Swivel nipple 90` 3/8"- 3/8"	2957746	From:09046
17	1	Hexagon nipple BSP 3/8" GEK 12L	2957749	From:09046
18	1	Hexagon nipple BSP 1/2" ext.-R3/8u	2957763	From:09046
19	1	Hexagon nipple BSP 1/2" ext.-GEK12	2957766	From:09046
20	1	Hydraulic gasket 1/2"	2957861	From:09046
21	1	Hydraulic gasket 3/8"	2957890	From:09046
22	1	Lower output body	14120005	
23	1	Chain wheel 5/8" Z19 Ø25.0	2964164	
24	1	Locking plate	14120269	To:09085
24	1	Locking plate	14120238	From:09086
25	1	Carrier trapdoor	14120239	From:09086
26	1	Protecting plate	14120263	From:09096
27	4	Bushings	1411284	
28	2	Plastic pulley	2245011	
29	2	Hexagon screw M10x40 galvanized 8.8.	2422303	
30	4	Hexagon screw M8x65 galv.8.8	2422260	
31	4	Washer M10 galvanized	2531060	
32	8	Washer M8 galvanized	2531047	
33	1	Pipe continuous	14120033	
34	2	Bearing plastic	2245023	
35	2	Pulley holder	14120019	
36	2	Hexagon nut M10 locking galv. 8.8	2483610	
37	4	Hexagon nut M8 locking galvanized 8.8	2483609	
38	1	Chain 5/8	2963101	
		Chain link	2963146	
39	18	Unbraco cylinder screw M5x40 St 12.9	2471177	
40	9	Carrier	1411278	
41	9	Carrier plate	1411390	
42	9	Nut plate	1411391	
43	18	Nut locking M5 88 galv.	2471177	
44	1	Chain link 5/8" chain 2050	2963146	

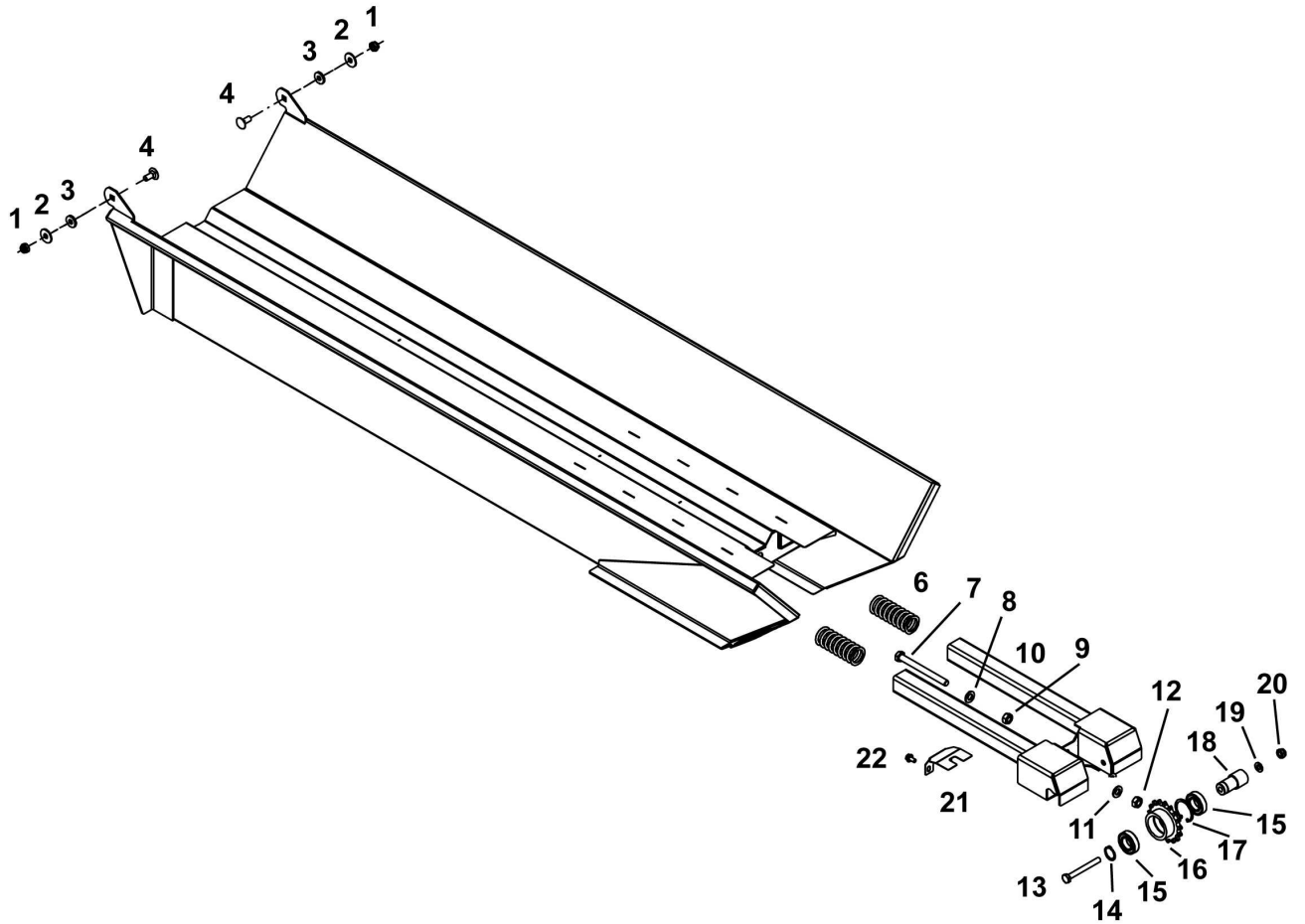


Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-	Transporter upper part	Edition: 1.2009
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Spare parts catalogue

DUUN**Fire wood processor VM420**

Group: 141-		Transporter upper part	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	2	Hexagon nut M10 locking galvanized 8.8	2483610	
2	2	Body washer M10 galvanized	2533060	
3	2	Washer	1411531	
4	2	Locking screw M10x25 galvanized 8.8.	2344330	
5	1	Body lower output	14120006	
6	2	Extension spring Dt5,5 di29 L200 st	2912085	
7	1	Hexagon screw M12x150 galvanized 8.8.	2422370	
8	2	Washer M12 galvanized	2531069	
9	1	Hexagon nut M12 galv. 8.8	2481611	
10	1	Spring bracket output conveyor	14120027	
11	1	Washer M12 galvanized	2531069	
12	1	Hexagon nut M12 galv.	2481611	
13	1	Hexagon screw M10x09 galvanized 8.8.	2422315	
14	1	Seeger ring A25 DIN471	2533125	
15	2	Bearing 6005 2RS	2951124	
16	1	Chain wheel	2964161	
17	1	Seeger ring DIN 472 47x2	2553247	
18	1	Bushing	14120082	
19	1	Washer M10 galvanized	2531060	
20	1	Hexagon nut M10 locking galvanized 8	2483610	
21	1	Protecting plate	14120264	From:09096
22	2	Screw hexagon M6x10 with flange DIN6921	2451196	From:09096



Spare parts catalogue

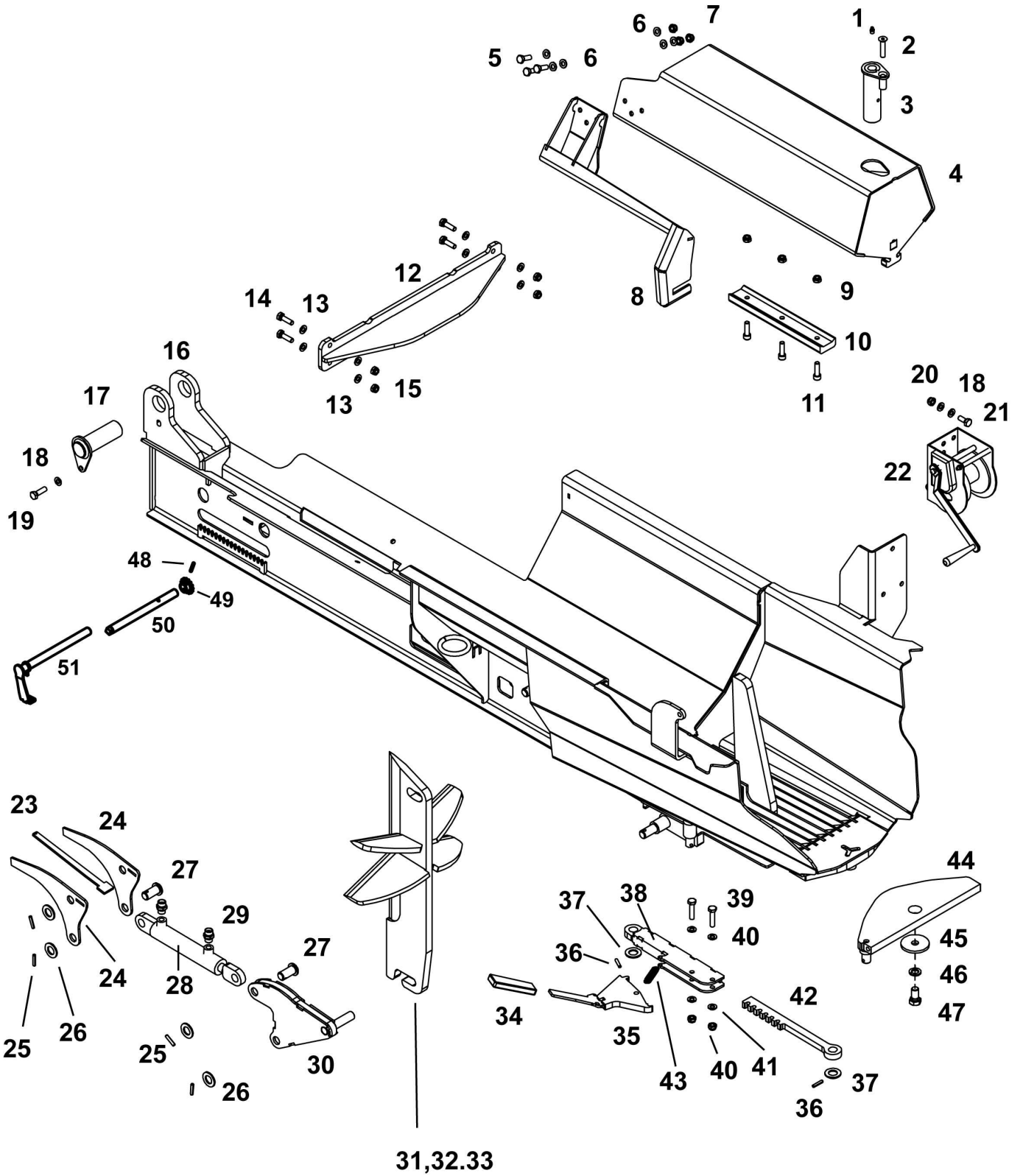
DUUN

Fire wood processor VM420

Group: 141-

Splitting cradle with parts

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-		Splitting cradle with parts		Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment	
1	1	Grease nipple straight M8	2478407		
2	1	Unbraco countersunk head screw M10x50 St.10.9		2472307	
3	1	Bolt	14120208		
4	1	Splitter piston	14120012		
5	3	Hexagon screw M10x30 galvanized 8.8.	2422299		
6	6	Washer M10 galvanized	2531060		
7	3	Hexagon nut M10 locking galvanized 8.8	2483610		
8	1	Valve arm	14120114		
9	3	Hexagon nut M10 locking A4	2483810		
10	1	Slide	14120013		
11	3	Unbraco cylinder screw M10x30 A4 DIN 912	2471301		
12	1	Stopper plate	14120150		
13	8	Washer M10 galvanized	2531060		
14	4	Hexagon screw M10x35 galv. 8.8	2422301		
15	4	Hexagon nut M10 locking galv. 8.8	2483610		
16	1	Splitter module	14120007		
17	1	Bolt with lug	14120036		
18	8	Washer M10 galvanized	2531060		
19	1	Hexagon screw M10x35 galvanized 8.8.	2422301		
20	4	Hexagon nut M10 locking galvanized 8.8	2483610		
21	3	Hexagon screw M10x25 galvanized 8.8.	2422297		
22	1	Winch with brake and wire	2966105		
23	1	Plate spring	14120199		
24	2	Arm	14120198		
25	4	Pipe split pin 6x30mm	2525209		
26	4	Washer M20 galvanized	2531086		
27	2	Flange bolt	14120032		
28	1	Cylinder 32x20x125 H20H20	2955362		
29	2	Hexagon nipple BSP ¼" GEK 10L	2957754		
30	1	Lifting arm	14120136		
31	1	Splitting knife 6 parts std.	14120002		
32	1	Splitting knife 8 parts acc.	14120003		
33	1	Splitting knife 4 parts acc.	14120004		
34	1	HANDLE NO.1010	2245062		
35	1	Locking lever	14120056		
36	1	Pipe split pin 6x30mm	2525209		
37	2	Washer M20 galvanized	2531086		
38	1	Adjustment mechanism	14120058		
39	2	Hexagon screw M10x45 galvanized 8.8.	2422305		
40	4	Washer M10 galvanized	2531060		
41	2	Hexagon nut M10 locking galvanized 8.8	2483610		
42	1	Adjustment rod	14120054		
43	1	Extension spring SF-DF 2x15x70	2913028		
44	1	Rotating plate	14120011		
45	1	End plate	1251340		
46	1	Spring washer M16 DIN 127 B galv.	2534078		
47	1	Screw hexagon M16x30 8.8 galv.	2422485		
48	1	Taper clamping Ø8x50	2525256		
49	1	Cog wheel splitter module	1411137		
50	1	Locking bolt	14120105		
51	1	Locking bolt	14120106		



Spare parts catalogue

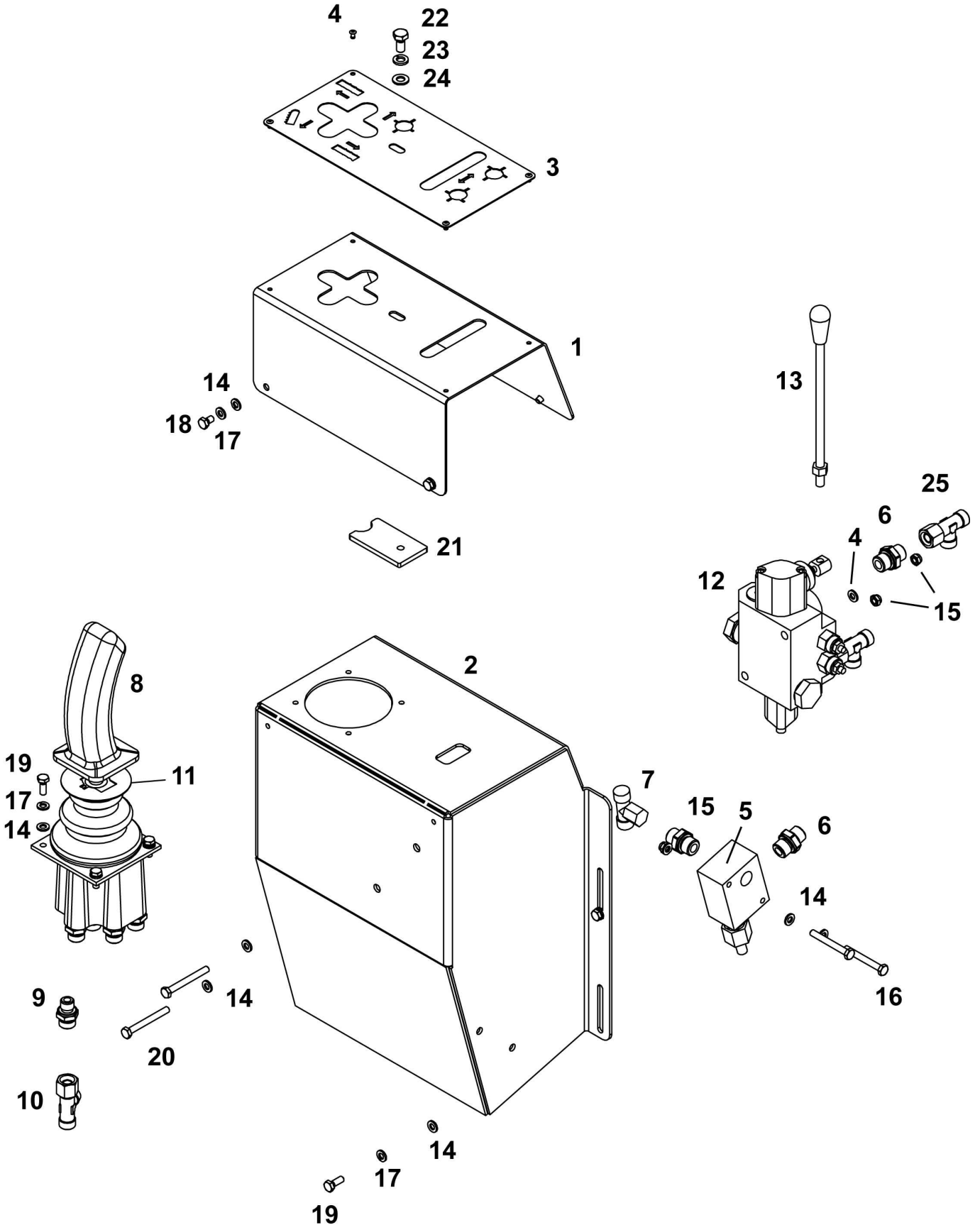
DUUN

Fire wood processor VM420

Group: 141-

Console with handle etc.

Edition: 1.2009



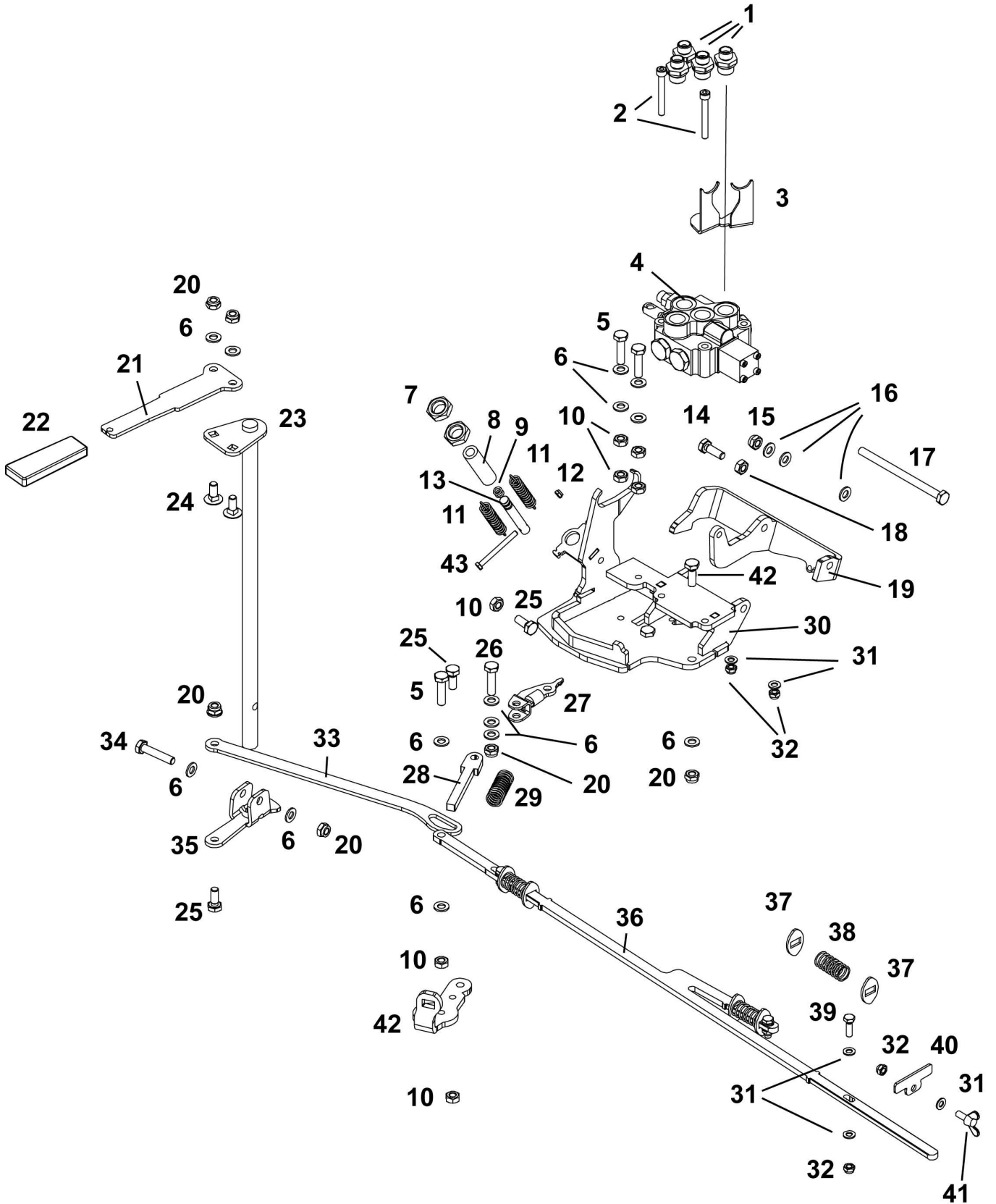


Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-		Console with handle etc.		Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment	
1	1	Striking-plate with tapered slot	14120158	To:09025	
1	1	Striking-plate with tapered slot	14120230	From:09026	
2	1	Valve panel	14120137	To:09025	
2	1	Valve panel	14120229	From:09026	
3	1	Symbol plate	14120189	To:09025	
3	1	Symbol plate	14120231	From:09026	
4	4	Pop rivet 73 AS 4-3	2511372		
5	1	Valve safety valve pilot	2955323	To:09025	
6	6	Hexagon nipple BSP 3/8ut-GEK10L	2957759		
7	1	T hexagon nipple L10-L10/S	2957720		
8	1	Joystick VM	2955450		
		Rubber muff; available separately	2225130		
9	6	Hexagon nipple BSP 1/4"-GEK10L	2957754		
10	1	T hexagon nipple L10-L10/S-L10	2957721		
11	1	Plate for joystick	14120210		
12	1	Valve knife lift	2955356	To:09025	
12	1	Valve knife lift	2955329	From:09026	
13	1	Handle (the handle follows the valve)	2245037	From:09026	
14	20	Washer M6 galv.	2531039		
15	4	Nut locking M6 8.8 galv.	2483608		
16	2	Screw hexagon M6x55 8.8 galv.	2422219		
17	12	Spring washer M6 DIN 127 B galv	2534039		
18	4	Screw hexagon M6x10 8.8 galv.	2422196	To:09025	
19	8	Screw hexagon M6x16 8.8 galv.	2422200		
20	2	Screw hexagon M6x50 8.8 galv.	2422217	To:09025	
20	2	Screw hexagon M8x60 8.8 galv.	2422259	From:09026	
21	1	Stop plate	14120192		
22	1	Screw hexagon M8x16 8.8 galv.	2422240		
23	1	Spring washer M8 DIN 127 B galv	2534047		
24	1	Washer M8 galv.	2531047		
25	2	T hexagon nipple L10-L10/S-L10	2957721	From:09026	





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-		Mechanism with parts	Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment
1	4	Hexagon nipple BSP ½" ext. GEK 15.	2957768	
2	2	Hexagon screw M8x65 galv.8.8	2422260	
3	1	Hose holder	14120195	
4	1	Directional control valve DCV 40/1 splitter	2955352	
5	3	Hexagon screw M10x30 galv. 8.8.	2422299	
6	18	Washer M10 galv.	2531060	
7	2	Hexagon nut M20x1,5 galv. DIN 936	2482615	
8	1	Cylinder	14120132	
9	2	O-ring 8,00-2,00	2233008	
10	7	Hexagon nut M10 galv. 8.8	2481610	
11	2	Extension spring Dt 2,0 Dy 15 L70 St	2913028	
12	1	Hexagon nut M6 locking galv. 8.8	2483608	
13	1	Piston	14120133	
14	1	Hexagon screw M10x30 galv. 8.8.	2422297	
15	1	Hexagon nut M10 locking galv. 8.8	2483610	
16	3	Washer M10 galv.	2531060	
17	1	Hexagon screw M10x150 galv.	2422321	
18	1	Hexagon nut M10 galv. 8.8	2481610	
19	1	Trigger	14120091	
20	8	Hexagon nut M10 locking galv. 8.8	2483610	
21	1	Lever	14120183	
22	1	HANDLE NO.1010	2245062	
23	1	Adjustment shaft	14120104	
24	2	Locking screw M10x25 galv. 8.8.	2344330	
25	3	Hexagon screw M10x25 galv. 8.8.	2422297	
26	1	Hexagon screw special length 10x40mm	1411254	
27	1	Valve operator	1411163	
28	1	Switch rod	14120095	
29	1	Pressure spring ST – TF 2x18x85	2912075	
30	1	Mechanism plate	14120090	
31	12	Washer M8 galv.	2531047	
32	10	Hexagon nut M8 locking galv. 8.8	2483609	
33	1	Mechanism rod	14120096	
34	1	Hexagon screw M10x50 galv. 8.8.	2422307	
35	1	Arm	14120103	
36	1	Mechanism rod 1	14120216	
37	6	Washer mechanism	1411255	
38	3	Pressure spring Dt2 Di18 L45 St	2912022	
39	3	Hexagon screw M8x25 galv.8.8	2422246	
40	1	Locking plate 40-60	1411171	
41	1	Wing screw M8x20 galv.	2478244	
42	1	Switch arm	14120094	
43	1	Screw hexagon M6x65 8.8 galv.	2422221	



Spare parts catalogue

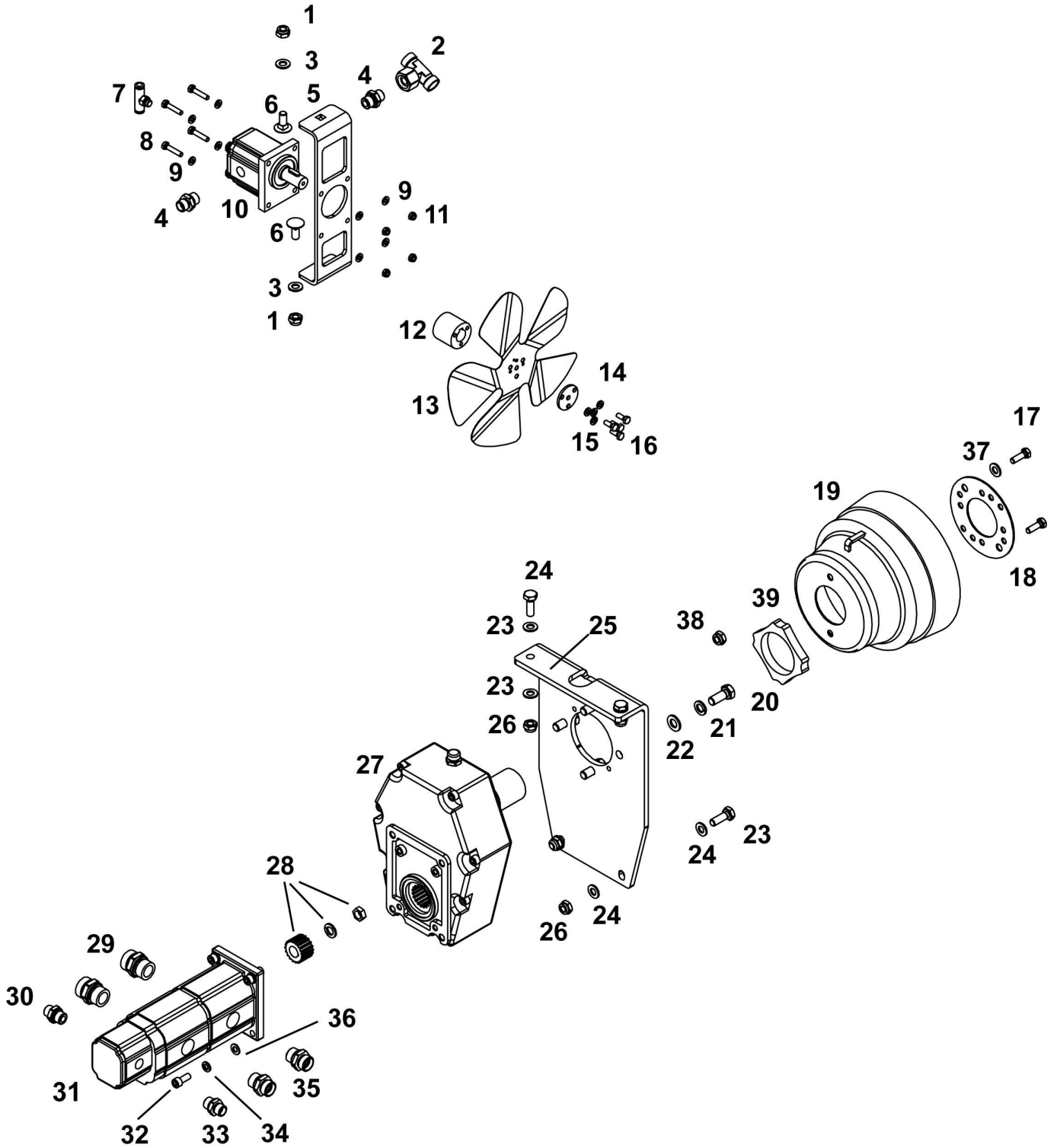
DUUN

Fire wood processor VM420

Group: 141-

Gearbox, fan, motor, and main pump

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-		Gearbox, fan, motor, and main pump		Edition: 1.2009	
Pos. No.	Quantity	Designation	Part no.	Comment	
1	2	Hexagon nut M10 locking galv. 8.8	2483610		
2	12	T hexagon nipple L10-L10L10/s.	2957720		
3	2	Washer M10 galv.	2531060		
4	2	Hexagon nipple BSP 3/8"	2957759		
5	1	Bracket	14120176		
6	2	Locking screw M10x25 galv. 8.8.	2344330		
7	1	Flash fittings TE-coupling 8mm 1/8"	2957817		
8	4	Hexagon screw M6x30 galv.8.8	2422209		
9	8	Washer M6 galv.	2531039		
10	1	Cog wheel motor Gp. 1	2955572	To:09045	
10	1	Cog wheel motor Gp. 1	2955573	From:09046	
11	4	Hexagon nut M6 locking galv. 8.8	2483608		
12	1	Fan hub	14120062		
13	1	Fan blade	4253081		
14	1	Washer	14120063		
15	4	Spring washer M6 galv.	2534039		
16	4	Hexagon screw M6x16 galv.8.8	2422200		
17	2	Hexagon screw M8x25 galv.8.8	2422246		
18	1	Fixing plate for protection funnel	1312379		
19	1	Protection funnel Comer 518	2962135		
20	4	Hexagon screw M12x30 galv 8.8.	2422348		
21	4	Spring washer M12 galv.	2534069		
22	4	Washer M12 galv.	2531069		
23	4	Hexagon screw M10x30 galv. 8.8.	2422299		
24	4	Washer M10 galv.	2531060		
25	1	Bracket	14120180		
26	4	Hexagon nut M10 locking galv. 8.8	2483610		
27	1	Gearbox ML52 1:3:8 (oil volume 3.5dl)	2961008		
28	1	Spline coupling gearbox pump	2961200		
29	2	Hexagon nipple 3/4" L-22mm	2957774		
30	1	Hexagon nipple 3/8" GEK 12L	2957749		
31	1	Hydraulic pump 22+22+3.1	2955555	To:09045	
31	1	Cog wheel pump trip. 22+22+08	2955556	From:09046	
32	1	Unbraco cylinder screw M8x25 St.12,9	2471246		
33	1	Hexagon nipple BSP 3/8"-GEK10L	2957759		
34	1	Spring washer M8 galv.	2534047		
35	2	Hexagon nipple 1/2" L-15mm	2957768		
36	1	Washer M8 galv.	2531047		
37	2	Spring washer M8 DIN 127 B galv	2534047		
38	2	Nut locking M12 8.8 galv.	2483611		
39	1	Protecting plate	14120266		



Spare parts catalogue

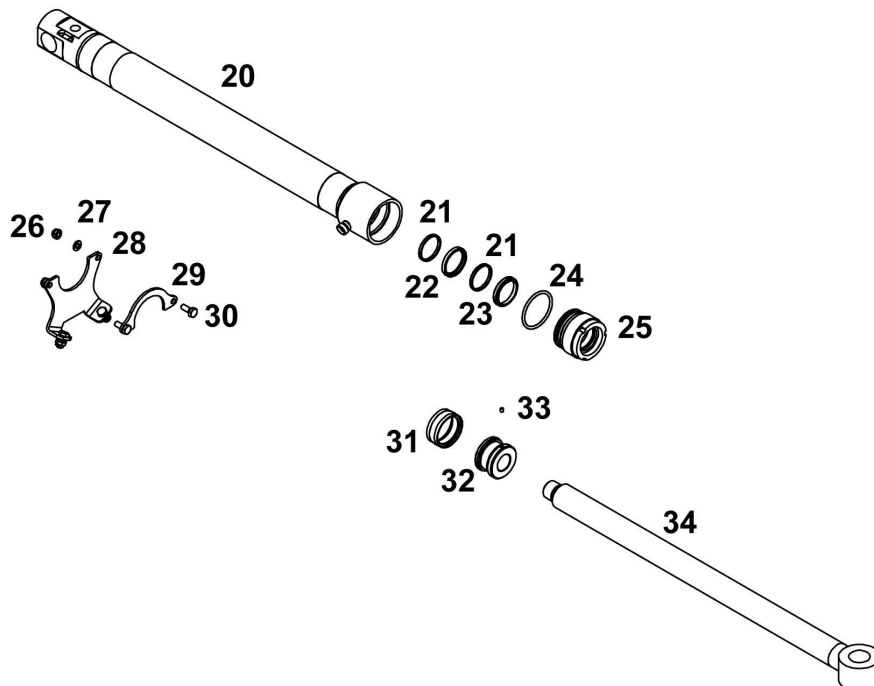
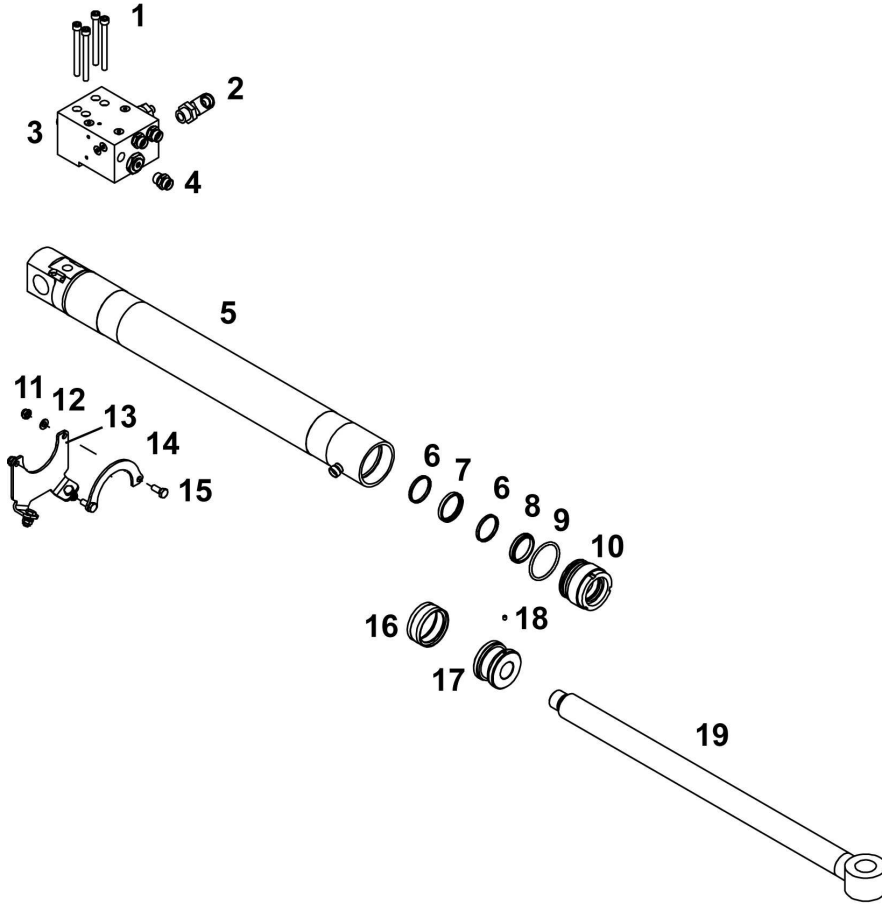
DUUN

Fire wood processor VM420

Group: 141-

Cylinder hydraulics

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-	Cylinder hydraulics Motor pumps	Edition: 1.2009
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Pos. No.	Quantity	Designation	Part no.	Comment
1	4	Unbraco cylinder screw M10x110 galv.	2477317	
2	1	Elbow ¾" 22L with counter nut	2957740	
3	1	Regenerative block	2955416	
4	3	Hexagon nipple ½" L15mm	2957768	
POS 5-POS 19 Applies to 11 t cylinder				
5	1	Cylinder pipe Ø80	14120014	
6	2	Guiding ribbon	1235156	
7	1	Compact seal 50-60	2232140	
8	1	Stripper 50-60	2232835	
9	1	O-ring Ø70.00/5.00	2233065	
10	1	Stuffing box Ø50 M85	14120179	
11	4	Hexagon nut M10 locking galv. 8.8	2483610	
12	4	Washer M10 galv.	2531060	
13	1	Support plate Ø80	14120073	
14	1	Upper plate Ø80	14120074	
15	4	Hexagon screw M10x25 galv. 8.8.	2422297	
16	1	Compact seal 80	2234360	
17	1	Piston Ø80 M36x1.5	14120227	
18	1	Headless screw M6x6 DIN 916	2473195	
19	1	Piston rod Ø50	14120060	
POS 20-POS 34 Applies to 8.5 t cylinder				
20	1	Cylinder pipe 70	14120177	
21	2	Guiding ribbon	1235156	
22	1	Compact seal 50-60	2232140	
23	1	Stripper 50-60	2232835	
24	1	O-ring Ø70.00/5.00	2233065	
25	1	Stuffing box Ø50 85	14120179	
26	4	Hexagon nut M10 locking galv. 8.8	2483610	
27	4	Washer M10 galv.	2531060	
28	1	Support plate Ø70	14120075	
29	1	Upper plate Ø70	14120076	
30	4	Hexagon screw M10x25 galv. 8.8.	2422297	
31	1	Compact seal 70	2234370	
32	1	Piston Ø70 M36x1.5	14120178	
33	1	Headless screw M6x6 DIN 916	2473195	
34	1	Piston rod Ø50	14120060	
COMPLETE		Cylinder 8.5t VM420	141209107	
COMPLETE		Cylinder 11 t VM420	141209108	



Spare parts catalogue

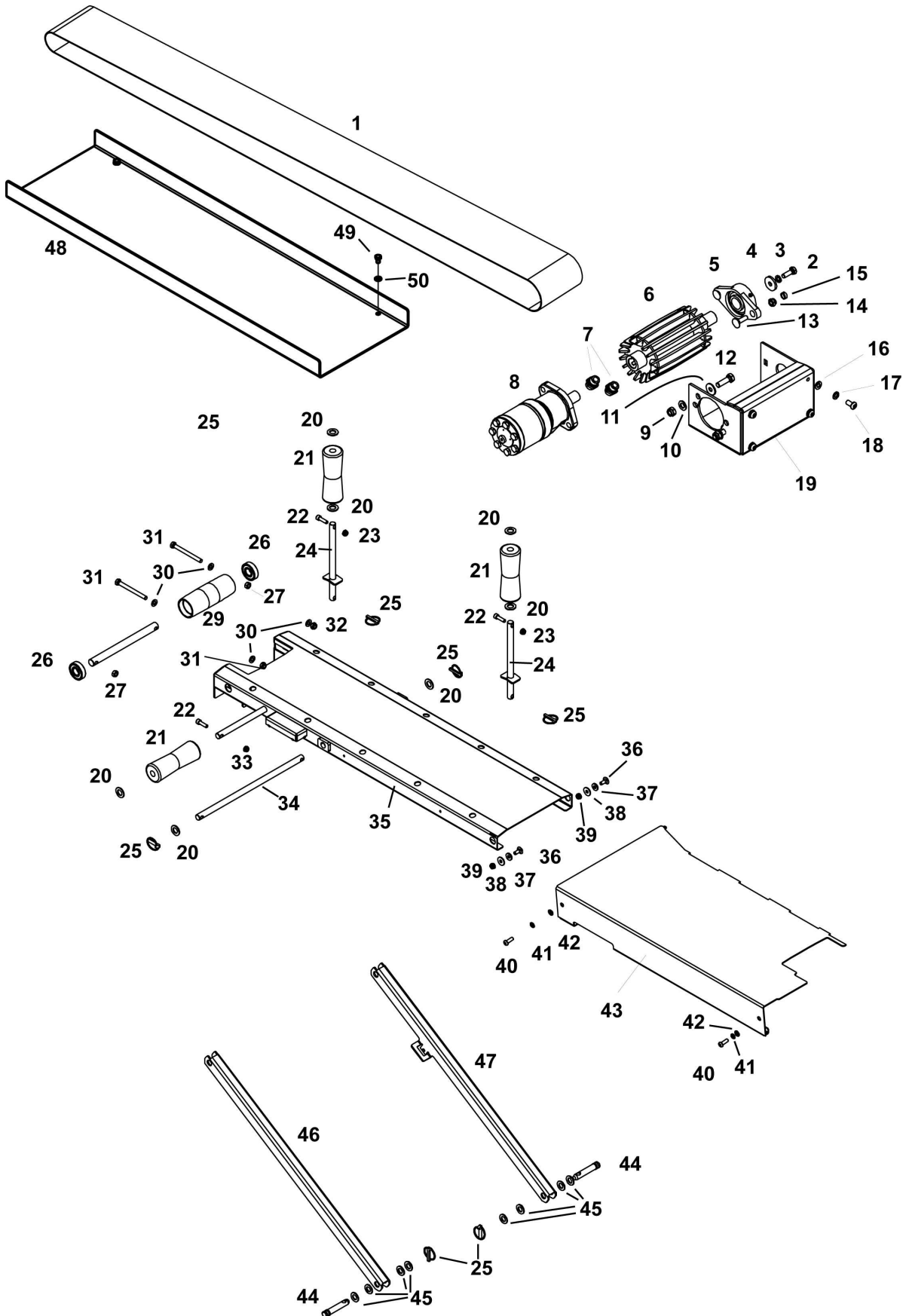
DUUN

Fire wood processor VM420

Group: 141-

Feeder conveyor with accessories

Edition: 1.2009





Spare parts catalogue

DUUN**Fire wood processor VM420**

Group: 141-	Feeding conveyor	Edition: 1.2009		
Pos. No.	Quantity	Designation	Part no.	Comment
1	1	Band grip top.	2222120	
2	1	Hexagon screw M10x30 galv. 8.8	2422299	
3	1	Spring washer M10 galv.	2534060	
4	1	Washer	1411299	
5	1	Flange bearing UCFL206 30mm	2954171	
6	1	Drum	14120111	To:09105
6	1	Drum	14130103	From:09106
7	2	Hexagon nipple ½" L-15mm	2957768	
8	1	Hydraulics motor	2955513	
9	2	Hexagon nut M12 locking galv.	2483611	
10	2	Washer M12 galv.	2531069	
11	2	Body washer M10 galv.	2533060	
12	2	Hexagon screw M12x40 galv. 8.8.	2422352	
13	2	Locking head screw M10x35 galv. 8.8	2344332	
14	2	Bushing	1411167	
15	2	Hexagon nut M10 locking galv. 8.8	2483610	
16	6	Washer M10 galv.	2531060	
17	4	Spring washer M10 galv.	2534060	
18	4	Unbraco button head screw M10x20 galv.	2476295	
19	1	Bracket	14120107	To:09105
19	1	Bracket	14120261	From:09106
20	6	Washer M20 galv.	2531086	
21	3	Support roller Ø68/59x197 Ø21	2245031	
22	3	Unbraco cylinder head screw M10x35 St.12.9 DIN 912		2471301
23	2	Hexagon nut M10 locking galv. 8.8	2483610	
24	2	Support roller holder	14120088	
25	5	Locking pin M10x40 galv.	2556142	
26	2	Bearing 6305 2RS	2951145	
27	2	Hexagon nut M12 locking galv. 8.8	2483611	
28	1	Bolt bearing point feeder roller	1411269	
29	1	Roller	14120093	
30	4	Washer M12 galv.	2531069	
31	2	Hex. screw M12x130 all threaded galv. 8.8	2425368	
32	2	Hexagon nut M12 locking galv. 8.8	2483611	
33	1	Hexagon nut M10 locking galv. 8.8	2483610	
34	1	Bearing point roller feeder table	14120092	
35	1	Feeder table body	14120089	
36	2	Locking screw M10x25 galv. 8.8.	2344330	
37	2	Washer	1411531	
38	2	Body washer M10 DIN 9021	2533060	
39	2	Hexagon nut M10 locking galv. 8.8	2483610	
40	2	Unbraco button head screw M10x30 galv.	2476299	
41	2	Spring washer M10 galv.	2534060	
42	2	Washer M10 galv.	2531060	
43	1	Cover feeder table	14120110	
44	2	Top strut bolt Ø19x70	2526321	
45	2	Washer M18 galv.	2531083	
46	1	Strut for feeder table operator side	14120039	
47	1	Strut for feeder table tractor side	14120162	
48	1	Duct	14120203	to:09005
48	1	Duct	14120215	from:09006
49	4	Hexagon screw M6x10 galv.8.8	2422196	
50	4	Washer M6 galv.	2531039	



Spare parts catalogue

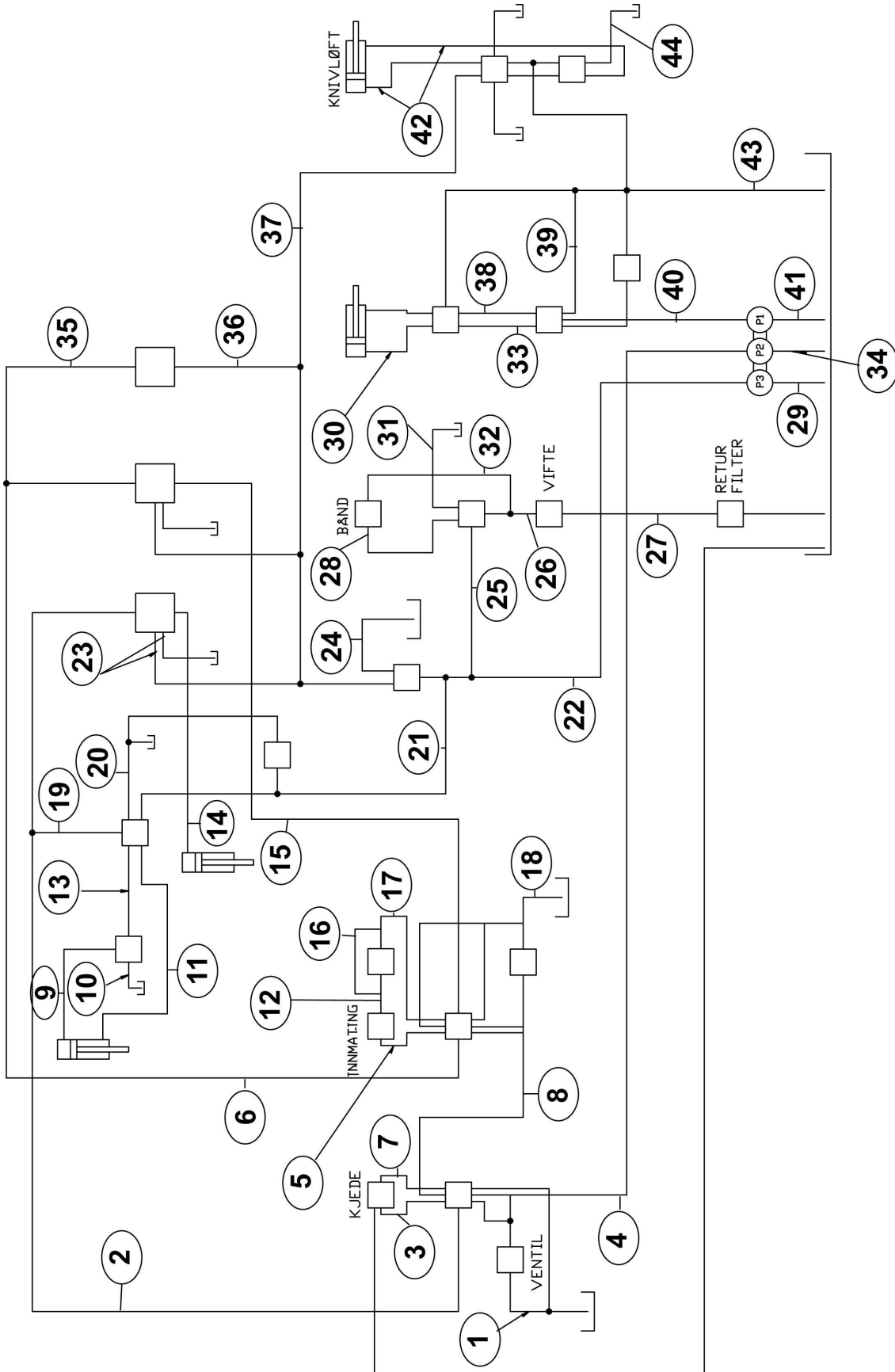
DUUN

Fire wood processor VM420

Group: 141-

Connection diagram

Edition: 1.2009





Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-	Hydraulics diagram	Edition: 1.2009
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Pos. No.	Quantity	Designation	Part no.	Comment
1	1	1/2" hose R2T L-300mm straight+90.	2958241	
2	1	1/4" hose Megaf.L-360Omm90+Re	2958208	
3	1	1/2" hose R2T L-690mm straight+90.	2958246	
4	1	1/2" hose R2T L-810mm straight+90.	2958247	
5	1	1/4" hose Megaf.L-145Omm90+Re	2958242	
6	1	1/4" hose Megaf.L-145Omm90+Re	2958206	
7	1	1/2" hose R2T L-510mm straight+90.	2958243	
8	1	1/2" hose R2T L-2500mm 90+90	2958253	
9	1	3/8" hose Megaf.L-150Omm90+90	2958211	
10	1	3/8" hose Megaf. L-410mm90+90	2958228	
11	1	1/4" hose Megaf.L-39Omm90+90B	2958217	
12	1	1/2" hose R2T L-930mm straight+90.	2958249	
13	1	3/8" hose Megaf.L-170Omm90+90	2958214	
14	1	1/4" hose Megaf.L-145Omm90+Re	2958206	
15	1	1/4" hose Megaf.L-100OmmRe+Re	2958205	
16	1	1/2" hose R2T L-300 VM100 hy	2958183	
17	1	1/2" hose R2T L-560mm straight+90.	2958266	
18	1	1/2" hose R2T L-1,600mm 90+90	2958259	
19	1	1/4" hose Megaf.L-48Omm90+Re	2958201	
20	1	1/2" hose R2T L-1600mm straight+90.	2958258	
21	1	1/4" hose Megaf.L-25Omm90+Re	2958300	
22	1	3/8" hose Megaf.L-56Omm90+Re	2958222	
23	1	1/4" hose Megaf.L-39Omm90+Re	2958202	
24	1	1/4" hose Megaf.L-22Omm90+Re	2958301	
25	1	3/8" hose Megaf.L-170Omm90+90	2958342	
26	1	3/8" hose Megaf. L 1350mm re	2958343	
27	1	3/8" hose Megaf. L-450mm90+Re	2958227	
28	1	3/8" hose Megaf.L-300Omm90+Re	2958225	
29	1	1/2" hose R1T L-370mm straight+90.	2958240	
30	1	1/2" hose R2T L-655mm straight+Re	2958245	
31	1	1/4" hose Megaf.L-113Omm90+Re	2958303	
32	1	3/8" hose Megaf.L-230OmmRe+Re	2958226	
33	1	1/2" hose R2T L-1130mm straight+90.	2958248	
34	1	3/4" hose R1T L-350mm straight+90.	2958271	
35	1	1/4" hose Megaf.L-177Omm90+Re	2958212	
36	1	1/4" hose Megaf.L-308Omm90+90	2958213	
37	1	1/4" hose Megaf.L-367OmmRe+90	2958209	
38	1	1/2" hose R2T L-1130mm straight+90.	2958248	
39	1	1/2" hose R2T L-1350mm straight+90.	2958250	
40	1	1/2" hose R2T L-1400mm straight+90.	2958251	
41	1	3/4" hose R1T L-370mm straight+90.	2958270	
42	1	1/4" hose Megaf.L-160Omm90+90	2958207	
43	1	1/2" hose R2T L-470 no. 11	2958174	
44	1	1/4" hose Megaf.L-244Omm90+Re	2958302	

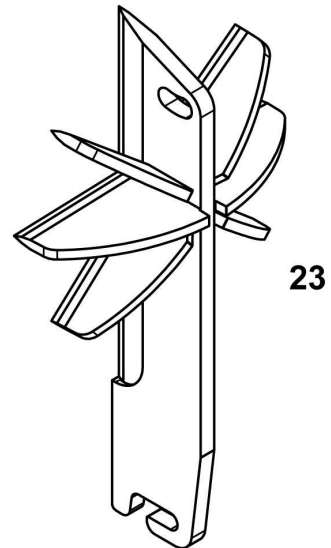
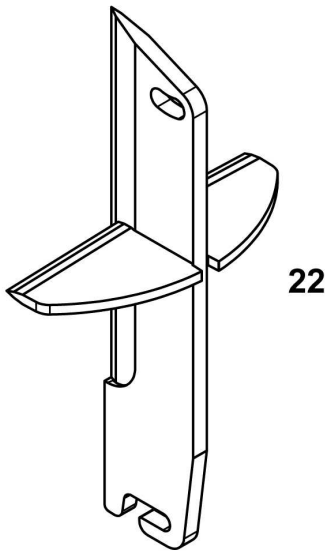
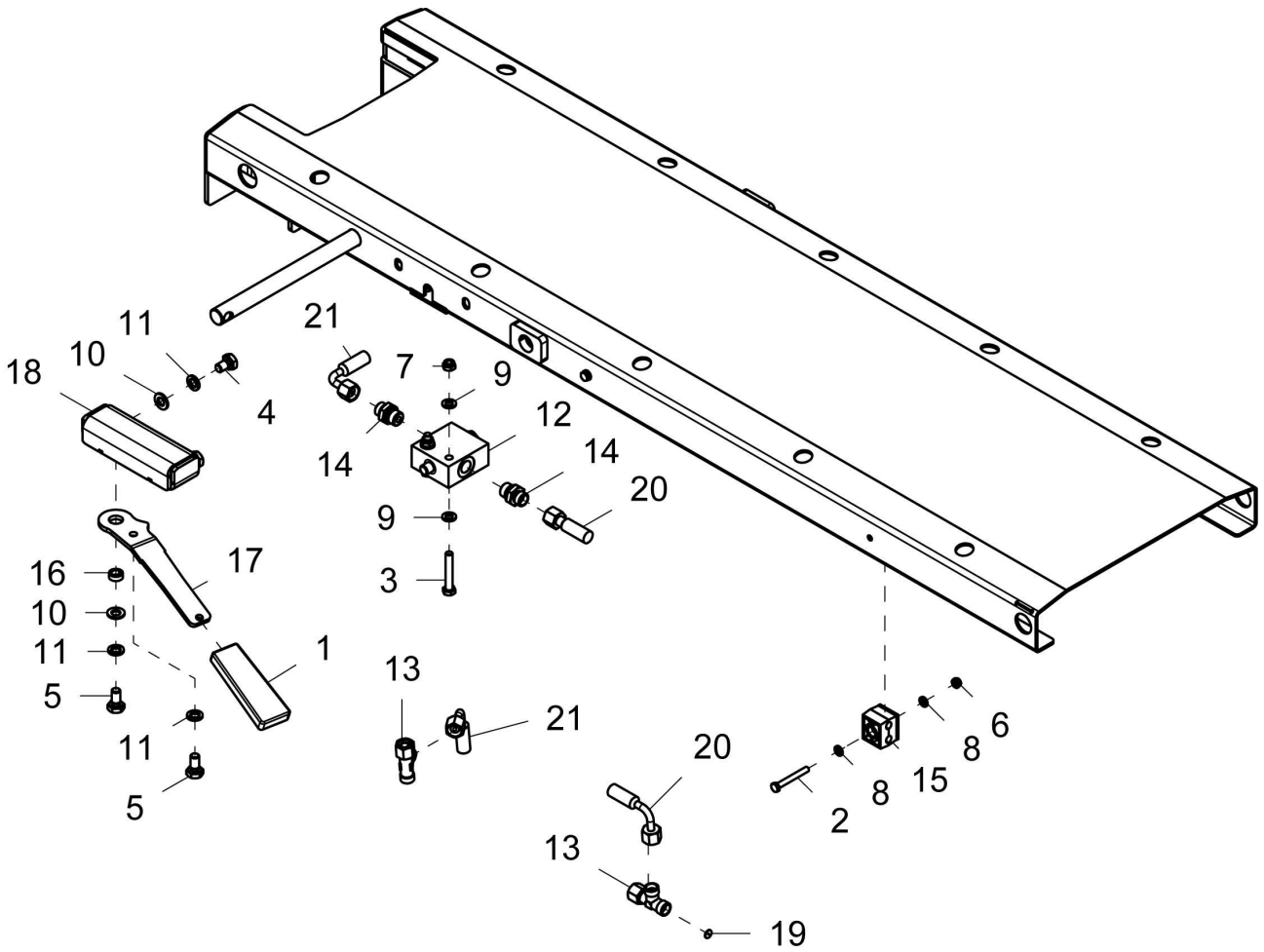


Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-	Accessories	Edition: 1.2009
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Spare parts catalogue

DUUN

Fire wood processor VM420

Group: 141-

Accessories

Edition: 1.2009

		Complete remote control of input conveyor	141209020
1	1	Handle plastic	2245062
2	2	Hexagon screw M6x50 EIZn 8.8 DIN 931	2422217
3	2	Hexagon screw M8x50 EIZn 8.8 DIN 931	2422256
4	2	Hexagon screw M10x16 EIZn 8.8 DIN 933	2422290
5	2	Hexagon screw M10x20 EIZn 8.8 DIN 933	2422295
6	2	Locking nut M6 EIZn DIN 985	2483608
7	2	Locking nut M8 EIZn DIN 985	2483609
8	4	Washer M6 EIZn DIN 125	2531039
9	4	Washer M8 EIZn DIN 125	2531047
10	3	Washer M10 EIZn DIN 125	2531060
11	4	Spring washer M10 EIZn DIN 127	2534060
12	1	Valve Locking valve pilot FC10	2955320
13	2	T hexagon nipple EVLK 10L	2957721
14	2	Hexagon nipple GEK BSP 3/8" L10 ED	2957759
15	2	Hose holder double hose 10mm/Cover plate	4251200
16	1	Bushing	1411167
17	1	Lever	14120191
18	1	Bracket	14120228
19	1	Orifice plate	14120254
20	1	Hydraulics hose 1/4" L1770	2958212
21	1	Hydraulics hose 1/4" L3080	2958213
22	1	Four part splitting knife	14120004
23	1	Eight part splitting knife	14120003



Spare parts catalogue

DUUN

Fire wood processor VM420

	Number index	Edition: 1.2009	
Part no.	Designation	Pos. No.	Ill. page Text page

1235156	Guiding ribbon	6	62	63
1235156	Guiding ribbon	21	62	63
1251340	End plate	45	54	55
1311862	Bushing	40	42	43
1312379	Fixing plate for protection funnel	18	60	61
1411137	Cog wheel splitter module	49	54	55
1411163	Valve operator	27	58	59
1411167	Bushing	18	44	45
1411167	Bushing	21	48	49
1411167	Bushing	14	64	65
1411167	Bushing	16	68	69
1411171	Locking plate 40-60	40	58	59
1411236	Damping plate	38	44	45
1411254	Hex. screw special length 10x40mm	26	58	59
1411255	Washer mechanism	37	58	59
1411269	Bolt bearing point feeder roller	28	64	65
1411278	Carrier	40	50	51
1411284	Bushings	27	50	51
1411299	Washer	4	64	65
1411390	Carrier plate	41	50	51
1411391	Nut plate	42	50	51
1411399	Stand for chain oil tank	5	44	45
1411531	Washer	3	52	53
1411531	Washer	37	64	65
2115131	Cotter 8x7 L-36 DIN 6885A	45	44	45
2222120	Band grip top.	1	64	65
2232140	Compact seal 50-60	7	62	63
2232140	Compact seal 50-60	22	62	63
2232835	Stripper 50-60	8	62	63
2232835	Stripper 50-60	23	62	63
2233008	O-ring 8,00-2,00	25	44	45
2233008	O-ring 8,00-2,00	9	58	59
2233018	O-ring Ø17,130x2,620 70NBR	71	46	47
2233065	O-ring Ø70.00/5.00	9	62	63
2233065	O-ring Ø70.00/5.00	24	62	63
2234360	Compact seal 80	16	62	63
2234370	Compact seal 70	31	62	63
2245011	Plastic pulley	28	50	51
2245023	Bearing plastic	6	42	43
2245023	Bearing plastic	9	42	43
2245023	Bearing plastic	34	50	51



Spare parts catalogue

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Fire wood processor VM420

Number index		Edition: 1.2009	
Part no.	Designation	Pos. No.	Ill. page Text page

2245031	Support roller Ø68/59x197 Ø21	21	64	65
2245037	Handle (the handle follows the valve)	13	56	57
2245062	HANDLE NO.1010	15	42	43
2245062	HANDLE NO.1010	34	54	55
2245062	HANDLE NO.1010	22	58	59
2245062	HANDLE NO.1010	1	68	69
2245066	Handle plastic 4-530 Art. 17540	41	42	43
2245067	Oil tank	2	44	45
2245068	Cap for plastic container	1	44	45
2245069	End plug Ø35 interior	3	42	43
2251064	Return filter SIF 20 C10	4	36	37
2344330	Locking screw M10x25 galv. 8.8.	18	36	37
2344330	Locking screw M10x25 galv. 8.8.	2	42	43
2344330	Locking screw M10x25 galv. 8.8.	1	50	51
2344330	Locking screw M10x25 galv. 8.8.	4	52	53
2344330	Locking screw M10x25 galv. 8.8.	24	58	59
2344330	Locking screw M10x25 galv. 8.8.	6	60	61
2344330	Locking screw M10x25 galv. 8.8.	36	64	65
2344332	Locking screw M10x35 galvanized 8.8.	20	44	45
2344332	Locking head screw M10x35 galv. 8.8	13	64	65
2421609	Hexagon nut M8 galvanized	3	48	49
2422196	Screw hexagon M6x10 8.8 galv.	18	56	57
2422196	Hexagon screw M6x10 galv.8.8	49	64	65
2422200	Screw hexagon M6x16 8.8 galv.	19	56	57
2422200	Hexagon screw M6x16 galv.8.8	16	60	61
2422205	Hexagon screw M6x20 galv.8.8	34	44	45
2422209	Hexagon screw M6x30 galv.8.8	8	60	61
2422217	Screw hexagon M6x50 8.8 galv.	20	38	39
2422217	Screw hexagon M6x50 8.8 galv.	48	40	41
2422217	Screw hexagon M6x50 8.8 galv.	20	56	57
2422217	Screw hexagon M6x50 8.8 galv.	2	68	69
2422219	Screw hexagon M6x55 8.8 galv.	16	56	57
2422221	Screw hexagon M6x65 8.8 galv.	43	58	59
2422225	Screw hexagon M6x90 8.8 galv.	66	40	41
2422236	Hexagon screw M8x12 galv.8.8	58	46	47
2422240	Screw hexagon M8x16 8.8 galv.	22	56	57
2422244	Hexagon screw M8x20 galv.8.8	5	48	49
2422246	Hexagon screw M8x25 galv.8.8	13	42	43
2422246	Hexagon screw M8x25 galv.8.8	46	42	43
2422246	Hexagon screw M8x25 galv.8.8	39	58	59
2422246	Hexagon screw M8x25 galv.8.8	17	60	61
2422248	Hexagon screw M8x20 galv.8.8	8	44	45
2422248	Screw hexagon M8x30 8.8 galv.	34	48	49



Spare parts catalogue

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Fire wood processor VM420

	Number index	Edition: 1.2009	
Part no.	Designation	Pos. No.	Ill. page Text page

2422250	Screw hex. M8x35 8.8 galv. DIN931	59	40	41
2422252	Screw hex. M8x40 8.8 galv. DIN931	37	48	49
2422256	Hexagon screw M8x50 galv.8.8	28	38	39
2422256	Hexagon screw M8x50 galv. 8.8	2	48	49
2422256	Hexagon screw M8x50 galv. 8.8	3	68	69
2422259	Screw hexagon M8x60 8.8 galv.	20	56	57
2422260	Hexagon screw M8-65 galv.	39	38	39
2422260	Hexagon screw M8-65 galv. 8.8	8	48	49
2422260	Hexagon screw M8x65 galv.8.8	30	50	51
2422260	Hexagon screw M8x65 galv.8.8	2	58	59
2422265	Hexagon screw M8x90 galv.	53	40	41
2422287	Hex. screw M10x12 galvanized 8.8.	23	48	49
2422290	Screw hexagon M10x16 8.8 galv.	4	68	69
2422295	Hex. screw M10x20 galvanized 8.8.	32	42	43
2422295	Hex. screw M10x20 galvanized 8.8.	44	42	43
2422295	Hex. screw M10x20 galvanized 8.8.	13	44	45
2422295	Hex. screw M10x20 galvanized 8.8.	70	46	47
2422295	Hex. screw M10x20 galvanized 8.8.	16	48	49
2422295	Hex. screw M10x20 galvanized 8.8.	20	48	49
2422295	Hex. screw M10x20 galvanized 8.8.	5	68	69
2422297	Hexagon screw M10x25 galv. 8.8.	44	40	41
2422297	Hexagon screw M10x25 galv. 8.8.	14	44	45
2422297	Hexagon screw M10x25 galv. 8.8.	3	50	51
2422297	Hexagon screw M10x25 galv. 8.8.	21	54	55
2422297	Hexagon screw M10x30 galv. 8.8.	14	58	59
2422297	Hexagon screw M10x25 galv. 8.8.	25	58	59
2422297	Hexagon screw M10x25 galv. 8.8.	15	62	63
2422297	Hexagon screw M10x25 galv. 8.8.	30	62	63
2422299	Hexagon screw M10x30 galv. 8.8.	31	42	43
2422299	Hex. screw M10x30 galvanized 8.8.	5	54	55
2422299	Hexagon screw M10x30 galv. 8.8.	5	58	59
2422299	Hexagon screw M10x30 galv. 8.8.	23	60	61
2422299	Hexagon screw M10x30 galv. 8.8	2	64	65
2422301	Hexagon screw M10x35 galv. 8.8	14	54	55
2422301	Hex. screw M10x35 galvanized 8.8.	19	54	55
2422303	Hex. screw M10x40 galvanized 8.8.	21	42	43
2422303	Hex. screw M10x40 galvanized 8.8.	29	50	51
2422305	Hex. screw M10x45 galvanized 8.8.	39	54	55
2422307	Hex. screw M10x50 galv. 8.8.	34	58	59
2422312	Hex. screw M10x70 galvanized 8.8.	27	42	43
2422315	Hex. screw M10x09 galvanized 8.8.	13	52	53
2422321	Hexagon screw M10x150 galv.	17	58	59
2422348	Hexagon screw M12x30 galv 8.8.	65	46	47



Spare parts catalogue

DUUN

Fire wood processor VM420

	Number index	Edition: 1.2009
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Part no.	Designation	Pos. No.		III. pageText page
2422348	Hexagon screw M12x30 galv 8.8.	28	48	49
2422348	Hexagon screw M12x30 galv 8.8.	20	60	61
2422350	Hexagon screw M12x35 galvanized 8.8.	22	44	45
2422352	Hexagon screw M12x40 galv. 8.8.	12	64	65
2422362	Hexagon screw M12-75 galv.	4	50	51
2422370	Hexagon screw M12x150 galvanized 8.8.	7	52	53
2422485	Screw hexagon M16x30 8.8 galv.	47	54	55
2422501	Hexagon screw M16x90 galv.8.8	29	48	49
2425307	Hexagon screw M10x50 galv. 8.8.	56	46	47
2425368	Hex. screw M12x130 all threaded galv. 8.8	31	64	65
2426246	Hexagon screw M8x25 A4 DIN 933	1	36	37
2451196	Hexagon screw with flange M6x10 galv. 8.8	3	38	39
2451196	Hexagon screw with flange M6x10 galv. 8.8	5	38	39
2451196	Hexagon screw with flange M6x10 galv. 8.8	8	38	39
2451196	Hexagon screw with flange M6x10 galv.	22	38	39
2451196	Hexagon screw with flange M6x10 galv.	42	40	41
2451196	Screw hexagon M6x10 with flange DIN6921	67	40	41
2451196	Hexagon screw with flange M6x10 galv. 8.8	6	44	45
2451196	Hexagon screws with flange M6x10 galv.	32	48	49
2451196	Screw hexagon M6x10 with flange DIN6921	22	52	53
2451197	Screw hexagon M6x12 with flange DIN6921	19	42	43
2471177	Unbraco cylinder screw M5x40 St 12.9	39	50	51
2471177	Nut locking M5 88 galv.	43	50	51
2471246	Unbraco cyl. screw M8x25 St.12.9 DIN 912	55	46	47
2471246	Unbraco cylinder screw M8x25 St.12,9	32	60	61
2471301	Screw Unbraco cylinder head M10x35	37	42	43
2471301	Unbraco cyl. screw M10x30 A4 DIN 912	11	54	55
2471301	Unbraco cyl. head screw M10x35			
2471301	St.12.9DIN912	22	64	65
2471366	Screw Unbraco cylinder head M12x110	39	42	43
2472307	Unbraco countersunk head screw M10x50			
2472307	St.10.9	2	54	55
2473195	Headless screw M6x6 DIN 916	18	62	63
2473195	Headless screw M6x6 DIN 916	33	62	63
2473236	Set screw unbraco M8x12	5	50	51
2476196	Unbraco button head screw M6x10 galv.	4	44	45
2476295	Unbraco button head screw M10x20 galv.	18	64	65
2476299	Unbraco button head screw M10x30 galv.	35	38	39
2476299	Unbraco button head screw M10x30 galv.	40	64	65
2477256	Unbraco cylinder screw M8x50 galv.	46	46	47
2477256	Screw unbraco cylinder head 8x50 galv.	76	46	47
2477317	Unbraco cylinder screw M10x110 galv.	1	62	63



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2478244	Wing screw M8x20 galv.	41	58	59
2478407	Grease nipple straight M8	62	46	47
2478407	Grease nipple straight M8	1	54	55
2481609	Nut hexagon M8 8.8 galv DIN 934	56	40	41
2481609	Hexagon nut M8 galv.	10	42	43
2481609	Hexagon nut M8 galv. 8.8	49	42	43
2481609	Hexagon nut M8 galvanized	9	48	49
2481609	Nut hexagon M8 8.8 galv DIN 934	35	48	49
2481610	Hexagon nut M10 galv. 8.8	17	42	43
2481610	Hexagon nut M10 galv.	36	42	43
2481610	Hexagon nut M10 galv. 8.8	10	58	59
2481610	Hexagon nut M10 galv. 8.8	18	58	59
2481611	Hexagon nut M12 galv. 8.8	21	44	45
2481611	Hexagon nut M12 galv. 8.8	6	50	51
2481611	Hexagon nut M12 galv. 8.8	9	52	53
2481611	Hexagon nut M12 galv.	12	52	53
2482615	Hexagon nut low M20x1.5 galv.DIN936	28	44	45
2482615	Hexagon nut M20x1,5 galv. DIN 936	7	58	59
2483608	Hexagon nut M6 locking galv.	15	38	39
2483608	Nut locking M6 8.8 galv.	64	40	41
2483608	Nut locking M6 8.8 galv.	15	56	57
2483608	Hexagon nut M6 locking galv. 8.8	12	58	59
2483608	Hexagon nut M6 locking galv. 8.8	11	60	61
2483608	Hexagon nut M6 locking galv. 8.8	6	68	69
2483609	Hexagon nut M8 locking galvanized 8.8	25	38	39
2483609	Nut locking M8 8.8 galv.	55	40	41
2483609	Hexagon nut M8 locking galv. 8.8	14	42	43
2483609	Hexagon nut M8 locking galv.	47	42	43
2483609	Hexagon nut M8 locking galv. 8.8	37	50	51
2483609	Hexagon nut M8 locking galv. 8.8	32	58	59
2483609	Hexagon nut M8 locking galv. 8.8	7	68	69
2483610	Hexagon nut M10 locking galv. 8.8	16	36	37
2483610	Hexagon nut M10 locking galv. 8.8	45	40	41
2483610	Hexagon nut M10 locking galv.	5	42	43
2483610	Hexagon nut M10 locking galv.	24	42	43
2483610	Hexagon nut M10 locking galv.	38	42	43
2483610	Hexagon nut M10 locking galv. 8.8	15	44	45
2483610	Hexagon nut M10 locking galv. 8.8	33	44	45
2483610	Hexagon nut M10 locking galv. 8.8	7	50	51
2483610	Hexagon nut M10 locking galv. 8.8	36	50	51
2483610	Hexagon nut M10 locking galv. 8.8	1	52	53
2483610	Hexagon nut M10 locking galvanized 8	20	52	53



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2483610	Hexagon nut M10 locking galvanized 8.8	7	54	55
2483610	Hexagon nut M10 locking galv. 8.8	15	54	55
2483610	Hexagon nut M10 locking galv. 8.8	20	54	55
2483610	Hexagon nut M10 locking galv. 8.8	41	54	55
2483610	Hexagon nut M10 locking galv. 8.8	15	58	59
2483610	Hexagon nut M10 locking galv. 8.8	20	58	59
2483610	Hexagon nut M10 locking galv. 8.8	1	60	61
2483610	Hexagon nut M10 locking galv. 8.8	26	60	61
2483610	Hexagon nut M10 locking galv. 8.8	11	62	63
2483610	Hexagon nut M10 locking galv. 8.8	26	62	63
2483610	Hexagon nut M10 locking galv. 8.8	15	64	65
2483610	Hexagon nut M10 locking galv. 8.8	23	64	65
2483610	Hexagon nut M10 locking galv. 8.8	33	64	65
2483610	Hexagon nut M10 locking galv. 8.8	39	64	65
2483611	Hexagon nut M12 locking galv.	42	42	43
2483611	Nut locking M12 8.8 galv.	38	60	61
2483611	Hexagon nut M12 locking galv.	9	64	65
2483611	Hexagon nut M12 locking galv. 8.8	27	64	65
2483611	Hexagon nut M12 locking galv. 8.8	32	64	65
2483613	Hexagon nut locking M16 galv. 8.8	30	48	49
2483810	Hexagon nut M10 locking A4	9	54	55
2511372	Pop rivet 73 AS 4-3	4	56	57
2525209	Pipe split pin 6x30mm	25	54	55
2525209	Pipe split pin 6x30mm	36	54	55
2525256	Taper clamping Ø8x50	48	54	55
2526321	Top strut bolt Ø19x70	44	64	65
2531039	Washer M6 galv.	16	38	39
2531039	Washer M6 galv.	50	40	41
2531039	Washer M6 galv.	65	40	41
2531039	Spring washer M6 galv.	35	44	45
2531039	Washer M6 galv.	14	56	57
2531039	Washer M6 galv.	9	60	61
2531039	Washer M6 galv.	50	64	65
2531039	Washer M6 galv.	8	68	69
2531047	Washer M8 galv.	26	38	39
2531047	Washer M8 galv.	29	38	39
2531047	Washer M8 galv.	54	40	41
2531047	Washer M8 galv.	57	40	41
2531047	Washer M8 galv.	11	42	43
2531047	Washer M8 galv.	50	42	43
2531047	Washer M8 galv.	10	44	45



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2531047	Washer M8 galv.	7	48	49
2531047	Washer M8 galv.	8	50	51
2531047	Washer M8 galv.	32	50	51
2531047	Washer M8 galv.	24	56	57
2531047	Washer M8 galv.	31	58	59
2531047	Washer M8 galv.	36	60	61
2531047	Washer M8 galv.	9	68	69
2531060	Washer M10 galv.	17	36	37
2531060	Washer M10 galv.	34	38	39
2531060	Washer M10 galv.	46	40	41
2531060	Washer M10 galv.	4	42	43
2531060	Washer M10 galv.	22	42	43
2531060	Washer M10 galv.	34	42	43
2531060	Washer M10 galv.	16	44	45
2531060	Washer M10 galv.	36	44	45
2531060	Washer M10 galv.	22	48	49
2531060	Washer M10 galv.Zn DIN 125	9	50	51
2531060	Washer M10 galv.	31	50	51
2531060	Washer M10 galv.	19	52	53
2531060	Washer M10 galv.	6	54	55
2531060	Washer M10 galv.	13	54	55
2531060	Washer M10 galv.	18	54	55
2531060	Washer M10 galv.	40	54	55
2531060	Washer M10 galv.	6	58	59
2531060	Washer M10 galv.	16	58	59
2531060	Washer M10 galv.	3	60	61
2531060	Washer M10 galv.	24	60	61
2531060	Washer M10 galv.	12	62	63
2531060	Washer M10 galv.	27	62	63
2531060	Washer M10 galv.	16	64	65
2531060	Washer M10 galv.	42	64	65
2531060	Washer M10 galv.	10	68	69
2531069	Washer M12 galv.	27	48	49
2531069	Washer M12 galv.	10	50	51
2531069	Washer M12 galv.	8	52	53
2531069	Washer M12 galv.	11	52	53
2531069	Washer M12 galv.	22	60	61
2531069	Washer M12 galv.	10	64	65
2531069	Washer M12 galv.	30	64	65
2531072	Washer M14 galv.	11	50	51
2531083	Washer M18 galv.	45	64	65
2531086	Washer M20 galv.	67	46	47



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2531086	Washer M20 galv.	26	54	55
2531086	Washer M20 galv.	37	54	55
2531086	Washer M20 galv.	20	64	65
2533058	Body washer Ø35/9x3 galv.	60	46	47
2533060	Body washer M10 galv.	16	42	43
2533060	Body washer M10	23	42	43
2533060	Body washer M10 galv.	68	46	47
2533060	Body washer M10 galv.	2	52	53
2533060	Body washer M10 galv.	11	64	65
2533060	Body washer M10 DIN 9021	38	64	65
2533125	Seeger ring A25 DIN471	14	52	53
2534039	Spring washer M6 galv.	49	40	41
2534039	Spring washer M6 DIN 127 B galv	17	56	57
2534039	Spring washer M6 galv.	15	60	61
2534047	Spring washer M8 galv.	9	44	45
2534047	Spring washer M8 galv.	54	46	47
2534047	Spring washer M8 galv.	59	46	47
2534047	Spring washer M8 galv.	6	48	49
2534047	Spring washer M8 DIN 127 B galv	12	50	51
2534047	Spring washer M8 DIN 127 B galv	23	56	57
2534047	Spring washer M8 galv.	34	60	61
2534047	Spring washer M8 DIN 127 B galv	37	60	61
2534060	Spring washer M10 galv.	33	42	43
2534060	Spring washer M10 galv.	17	44	45
2534060	Spring washer M10 galv.	69	46	47
2534060	Spring disk M10	15	48	49
2534060	Spring washer M10 galv.	19	48	49
2534060	Spring washer M10 galv.	3	64	65
2534060	Spring washer M10 galv.	17	64	65
2534060	Spring washer M10 galv.	41	64	65
2534060	Spring washer M10 galv.	11	68	69
2534069	Spring washer M12 galv.	64	46	47
2534069	Spring washer M12 galv.	21	60	61
2534078	Spring washer M16 DIN 127 B galv.	46	54	55
2537047	Washer M8 A4 DIN 125	3	36	37
2538047	Spring disk M8 A4 DIN127	2	36	37
2551730	Steady-brace bolt Ø28x95	24	38	39
2553247	Seeger ring DIN 472 47x2	17	52	53
2556142	Locking pin Ø10x40	23	38	39
2556142	Locking pin M10x40 galv.	25	64	65
2912013	Pressure spring Dt1,5 Di1,5 L45 St	27	44	45



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2912022	Pressure spring Dt2 Di18 L45 St	38	58	59
2912075	Pressure spring ST – TF 2x18x85	29	58	59
2912085	Extension spring Dt5,5 di29 L200 st	6	52	53
2913028	Extension spring SF-DF 2x15x70	36	48	49
2913028	Extension spring SF-DF 2x15x70	43	54	55
2913028	Extension spring Dt 2,0 Dy 15 L70 St	11	58	59
2913030	Extension spring Dt 2,5 Dy25 L100 St.	1	48	49
2915111	Gas spring	12	42	43
2915111	Gas spring No. 8-18 M8/M8 400N.	48	42	43
2931018	Filling cap (complete)	7	36	37
2933050	Cutting sword complete	43	44	45
2951124	Ball bearing 6005 2RS Ø47/25	12	44	45
2951124	Bearing 6005 2RS	15	52	53
2951145	Bearing 6305 2RS	26	64	65
2954171	Flange bearing UCFL 206 30mm	19	44	45
2954171	Flange bearing UCFL206 30mm	5	64	65
2955317	Valve priority setting FPX 3/8 G	61	40	41
2955320	Valve remote control FC10/10	30	38	39
2955320	Valve remote control FC10/10	12	68	69
2955322	Valve emergency stop 1/8"	68	40	41
2955323	Valve safety valve pilot	51	40	41
2955323	Valve safety valve pilot	5	56	57
2955324	Valve quantity reg. cutting movement	1	38	39
2955325	Dir. control valve DCV 40/1 saw	72	46	47
2955326	Dir. control valve DCV 40/1 saw engine	72	46	47
2955329	Valve knife lift	12	56	57
2955330	Non return valve	29	44	45
2955331	Non return valve 3/8" 0.5bar	13	50	51
2955348	Restrictor non return valve 3/8".	11	38	39
2955352	Dir. control valve DCV 40/1 splitter	4	58	59
2955356	Valve knife lift	12	56	57
2955357	Valve for saw feeding	18	38	39
2955354	Valve saw feeding	40	38	39
2955362	Cylinder 32x20x125 H20H20	66	46	47
2955362	Cylinder 32x20x125 H20H20	28	54	55
2955416	Regenerative block	3	62	63
2955417	Engine block Duun VM	33	38	39
2955418	Block saw feeding FP-09C-0013	1	38	39
2955450	Joystick VM	8	56	57
2955513	Hydraulics motor	8	64	65
2955519	Gerotor motor EL-R 80ccm - Ø25	14	50	51



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2955555	Hydraulic pump 22+22+3.1	31	60	61
2955556	Cog wheel pump trip. 22+22+08	31	60	61
2955562	Cutting engine 11ccm	53	46	47
2955572	Cog wheel motor Gp. 1	10	60	61
2955573	Cog wheel motor Gp. 1	10	60	61
2955749	Hexagon nipple BSP 3/8" GEK 12L	2	38	39
2957421	Plug 1/2" with seal	22	36	37
2957500	Pipe coupling T-piece BSP 1/4" ext.	31	44	45
2957510	Reducer L15-L10	38	38	39
2957512	Reducer L22-L15	11	36	37
2957601	Valve 1/2" - 1/2" Ball valve	21	36	37
2957602	Ball valve 1/2 - 1/2"	21	36	37
2957720	T hexagon nipple L10-L10/S	7	56	57
2957720	T hexagon nipple L10-L10L10/s.	2	60	61
2957721	T hexagon nipple L10-L10/S-L10	62	40	41
2957721	T hexagon nipple L10-L10/S-L10	75	46	47
2957721	T hexagon nipple L10-L10/S-L10	10	56	57
2957721	T hexagon nipple L10-L10/S-L10	25	56	57
2957721	T hexagon nipple L10-L10/S-L10	13	68	69
2957740	Elbow 3/4" 22L with counter nut	2	62	63
2957745	Swivel nipple L12 L12 90 gr	13	38	39
2957745	Swivel nipple 90` EVWK12L	15	50	51
2957745	Swivel nipple 90` EVWK12L	16	50	51
2957746	Swivel nipple 90` 3/8"- 3/8"	16	50	51
2957748	Swivel BSP 3/8" GEK 12L	12	38	39
2957749	Hexagon nipple BSP 3/8" GEK 12L	10	38	39
2957749	Hexagon nipple BSP 3/8" GEK 12L	14	38	39
2957749	Hexagon nipple BSP 3/8" GEK 12L	52	40	41
2957749	Hexagon nipple BSP 3/8" GEK 12L	60	40	41
2957749	Hexagon nipple BSP 3/8" GEK 12L	17	50	51
2957749	Hexagon nipple 3/8" GEK 12L	30	60	61
2957750	Hexagon nipple BSP 3/8" GEK 15L	17	38	39
2957753	Hexagon nipple BSP 1/8"-GEK10L	70	40	41
2957754	Hexagon nipple GEK BSP 1/4" L10 ED	8	36	37
2957754	Hexagon nipple BSP 1/4" GEK 10L	19	38	39
2957754	Hexagon nipple BSP 3/8" GEK 10L	41	40	41
2957754	Hexagon nipple BSP 1/4"-GEK10L	74	46	47
2957754	Hexagon nipple BSP 1/4" GEK 10L	29	54	55
2957754	Hexagon nipple BSP 1/4"-GEK10L	9	56	57
2957759	Hexagon nipple BSP 3/8" GEK 10L	2	38	39
2957759	Hexagon nipple BSP 3/8" GEK 10L	10	38	39



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2957759	Hexagon nipple BSP 3/8" GEK 10L	14	38		39
2957759	Hexagon nipple BSP 3/8" GEK 10L	27	38		39
2957759	Hexagon nipple BSP 3/8" GEK 10L	52	40		41
2957759	Hexagon nipple BSP 3/8ut-GEK10L	63	40		41
2957759	Hexagon nipple BSP 3/8ut-GEK10L	6	56		57
2957759	Hexagon nipple BSP 3/8"	4	60		61
2957759	Hexagon nipple BSP 3/8"-GEK10L	33	60		61
2957759	Hexagon nipple BSP 3/8"-GEK10L	14	68		69
2957763	Hexagon nipple BSP 1/2" ext.-R3/8u	18	50		51
2957766	Hexagon nipple GEK BSP 1/2" L12 ED	12	36		37
2957766	Hexagon nipple BSP 1/2" ext.-GEK12	19	50		51
2957768	Hexagon nipple GEK BSP 1/2" L15 ED	9	36		37
2957768	Hexagon nipple 1/2" L-15mm	36	38		39
2957768	Hexagon nipple 1/2" L15mm	52	46		47
2957768	Hexagon nipple BSP 1/4"-GEK10L	73	46		47
2957768	Hexagon nipple BSP 1/2" ext. GEK 15.	1	58		59
2957768	Hexagon nipple 1/2" L-15mm	35	60		61
2957768	Hexagon nipple 1/2" L15mm	4	62		63
2957768	Hexagon nipple 1/2" L-15mm	7	64		65
2957774	Hexagon nipple GEK BSP 3/4" L22 ED	19	36		37
2957774	Hexagon nipple 3/4" L-22mm	29	60		61
2957776	T hexagon nipple L15 L15/6 L15	37	38		39
2957778	T-hexagon nipple L22L22L22/S	6	36		37
2957778	Hexagon nipple BSP 3/8" GEK 10L	47	40		41
2957781	Hexagon nipple 1" L-22mm	5	36		37
2957811	Bulkhead bushing 8mm acetal	3	44		45
2957814	Flash fittings 6mm 1/8" 90 degrees	50	46		47
2957815	Flash fittings 6mm 1/4" 90 degrees	32	44		45
2957817	Flash fittings TE-coupling 8mm 1/8"	7	60		61
2957818	Flash fittings 8mm 1/4" straight	10	36		37
2957818	Flash fittings 8mm 1/4" straight	30	44		45
2957818	Flash fittings 8mm 1/4" straight	51	46		47
2957820	Level glass with thermometer	13	36		37
2957821	Sight glass M12 L-76	13	36		37
2957825	Thermometer	14	36		37
2957861	Hydraulic seal 1/2"	20	36		37
2957861	Hydraulic gasket 1/2"	20	50		51
2957864	Hydraulic gasket 1/8"	69	40		41
2957890	Hydraulic gasket 3/8"	21	50		51
2958174	1/2" hose R2T L-470 no. 11	43	66		67
2958183	1/2" hose R2T L-300 VM100 hy	16	66		67



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2958202	1/4" hose Megaf.L-39Omm90+Re		23	66	67
2958205	1/4" hose Megaf.L-100OmmRe+Re		15	66	67
2958206	1/4" hose Megaf.L-145Omm90+Re		6	66	67
2958206	1/4" hose Megaf.L-145Omm90+Re		14	66	67
2958207	1/4" hose Megaf.L-160Omm90+90		42	66	67
2958208	1/4" hose Megaf.L-360Omm90+Re		2	66	67
2958209	1/4" hose Megaf.L-367OmmRe+90		37	66	67
2958211	3/8" hose Megaf.L-150Omm90+90		9	66	67
2958212	1/4" hose Megaf.L-177Omm90+Re		35/20	66/68	67/69
2958213	1/4" hose Megaf.L-308Omm90+90		36/21	66/68	67/69
2958214	3/8" hose Megaf.L-170Omm90+90		13	66	67
2958217	1/4" hose Megaf.L-39Omm90+90B		11	66	67
2958222	3/8" hose Megaf.L-56Omm90+Re		22	66	67
2958225	3/8" hose Megaf.L-300Omm90+Re		28	66	67
2958226	3/8" hose Megaf.L-230OmmRe+Re		32	66	67
2958227	3/8" hose Megaf. L-450mm90+Re		27	66	67
2958228	3/8" hose Megaf. L-410mm90+90		10	66	67
2958240	1/2" hose R1T L-370mm straight+90.		29	66	67
2958241	1/2" hose R2T L-300mm straight+90.		1	66	67
2958242	1/4" hose Megaf.L-145Omm90+Re		5	66	67
2958243	1/2" hose R2T L-510mm straight+90.		7	66	67
2958245	1/2" hose R2T L-655mm straight+Re		30	66	67
2958246	1/2" hose R2T L-690mm straight+90.		3	66	67
2958247	1/2" hose R2T L-810mm straight+90.		4	66	67
2958248	1/2" hose R2T L-1130mm straight+90.		33	66	67
2958248	1/2" hose R2T L-1130mm straight+90.		38	66	67
2958249	1/2" hose R2T L-930mm straight+90.		12	66	67
2958250	1/2" hose R2T L-1350mm straight+90.		39	66	67
2958251	1/2" hose R2T L-1400mm straight+90.		40	66	67
2958253	1/2" hose R2T L-2500mm 90+90		8	66	67
2958258	1/2" hose R2T L-1600mm straight+90.		20	66	67
2958259	1/2" hose R2T L-1,600mm 90+90		18	66	67
2958266	1/2" hose R2T L-560mm straight+90.		17	66	67
2958270	3/4" hose R1T L-370mm straight+90.		41	66	67
2958271	3/4" hose R1T L-350mm straight+90.		34	66	67
2958300	1/4" hose Megaf.L-25Omm90+Re		21	66	67
2958301	1/4" hose Megaf.L-22Omm90+Re		24	66	67
2958302	1/4" hose Megaf.L-244Omm90+Re		44	66	67
2958303	1/4" hose Megaf.L-113Omm90+Re		31	66	67



Spare parts catalogue

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Part no.	Designation	Pos. No.	Ill. page	Text page
2958342	3/8" hose Megaf.L-170Omm90+90	25	66	67
2958343	3/8"hose Megaf. L 1350mm re	26	66	67
2961008	Gearbox ML52 1:3:8	27	60	61
2961200	Spline coupling gearbox pump	28	60	61
2962135	Protection funnel Comer 518	19	60	61
2963101	Chain 5/8	38	50	51
2963135	Saw chain 71 joint 0,404 division	39	44	45
2964161	Chain wheel	16	52	53
2963146	Chain link 5/8" chain 2050	44	50	51
2964164	Chain wheel 5/8" Z19 Ø25.0	23	50	51
2966105	Winch with brake and wire	22	54	55
4242236	Screw hexagon M8x12 8.8 galv.	2	50	51
4253081	Fan blade	13	60	61
4251200	Holder double hose 10mm/Cover plate	15	68	69
5310180	Hydraulic oil 78 litres	23	36	37
14120002	Splitting knife 6 parts std.	31	54	55
14120003	Splitting knife 8 parts acc.	32/23	54/68	55/69
14120004	Splitting knife 4 parts acc.	33/22	54/68	55/69
14120005	Lower output body	22	50	51
14120006	Body lower output	5	52	53
14120007	Splitter module	16	54	55
14120011	Rotating plate	44	54	55
14120012	Splitter piston	4	54	55
14120013	Slide	10	54	55
14120014	Cylinder pipe Ø80	5	62	63
14120019	Pulley holder	35	50	51
14120027	Spring bracket output conveyor	10	52	53
14120032	Flange bolt	27	54	55
14120033	Pipe continuous	33	50	51
14120036	Bolt with lug	17	54	55
14120039	Strut for feeder table operator side	46	64	65
14120041	Arm	61	46	47
14120046	Drive wheel saw chain	40	44	45
14120047	Washer	37	44	45
14120050	Sword bracket	23	44	45
14120051	Sword bracket	44	44	45
14120054	Adjustment rod	42	54	55
14120056	Locking lever	35	54	55
14120058	Adjustment mechanism	38	54	55
14120060	Piston rod Ø50	19	62	63
14120060	Piston rod Ø50	34	62	63
14120062	Fan hub	12	60	61



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14120063	Washer	14	60	61
14120065	Length indicator	7	44	45
14120066	Length indicator	33	48	49
14120067	Chain motor cover	38	48	49
14120069	Bracket	24	48	49
14120070	Bracket	4	48	49
14120071	Clamp bracket log stopper	26	48	49
14120072	Machine stand	9	38	39
14120073	Support plate Ø80	13	62	63
14120074	Upper plate Ø80	14	62	63
14120075	Support plate Ø70	28	62	63
14120076	Upper plate Ø70	29	62	63
14120080	Washer	28	42	43
14120080	Washer	14	48	49
14120080	Washer	18	48	49
14120082	Bushing	18	52	53
14120084	Filings board	49	46	47
14120088	Support roller holder	24	64	65
14120089	Feeder table body	35	64	65
14120090	Mechanism plate	30	58	59
14120091	Trigger	19	58	59
14120092	Bearing point roller feeder table	34	64	65
14120093	Roller	29	64	65
14120094	Switch arm	42	58	59
14120095	Switch rod	28	58	59
14120096	Mechanism rod	33	58	59
14120103	Arm	35	58	59
14120104	Adjustment shaft	23	58	59
14120105	Locking bolt	50	54	55
14120106	Locking bolt	51	54	55
14120107	Bracket	19	64	65
14120110	Cover feeder table	43	64	65
14120111	Drum	6	64	65
14120114	Valve arm	8	54	55
14120131	Leg adjustable	31	38	39
14120132	Cylinder	26	44	45
14120132	Cylinder	8	58	59
14120133	Piston	24	44	45
14120133	Piston	13	58	59
14120136	Lifting arm	30	54	55



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14120137	Valve panel	2	56	57
14120146	Washer	63	46	47
14120148	Main tank	15	36	37
14120149	Suction cover	4	38	39
14120150	Stopper plate	12	54	55
14120154	Cover right hand side	20	42	43
14120155	Curtain middle	26	42	43
14120156	Cover centre	8	42	43
14120157	Curtain exterior	25	42	43
14120158	Striking-plate with tapered slot	1	56	57
14120159	Cover	7	38	39
14120160	Cover plate	21	38	39
14120161	Sword cover	7	42	43
14120162	Strut for feeder table tractor side	47	64	65
14120164	Bearing point shaft	1	42	43
14120166	Log holder	43	42	43
14120167	Log holder bracket	35	42	43
14120168	Washer	29	42	43
14120168	Washer	13	48	49
14120168	Washer	17	48	49
14120169	Bracket for log stopper	25	48	49
14120170	Log stopper	31	48	49
14120171	Bushing	30	42	43
14120176	Bracket	5	60	61
14120177	Cylinder pipe 70	20	62	63
14120178	Piston Ø70 M36x1.5	32	62	63
14120179	Stuffing box Ø50 M85	10	62	63
14120179	Stuffing box Ø50 85	25	62	63
14120180	Bracket	25	60	61
14120181	Log holder wheel	45	42	43
14120183	Lever	21	58	59
14120184	Cover plate	43	40	41
14120185	Cover	6	38	39
14120189	Symbol plate	3	56	57
14120190	Eccentric bushing	11	44	45
14120191	Lever	17	68	69
14120192	Stop plate	21	56	57
14120195	Hose holder	3	58	59
14120198	Arm	24	54	55
14120199	Plate spring	23	54	55
14120203	Duct	48	64	65



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14120204	Plate	57	46	47
14120205	Plate	47	46	47
14120206	Tensioning tap	48	46	47
14120208	Bolt	3	54	55
14120209	Wedge	42	44	45
14120210	Plate for joystick	11	56	57
14120214	Damping plate	18	42	43
14120215	Duct	48	64	65
14120216	Mechanism rod 1	36	58	59
14120221	Bushing	21	48	49
14120223	Main tank	15	36	37
14120226	Bracket for log stopper	25	48	49
14120227	Piston Ø80 M36x1.5	17	62	63
14120228	Bracket	18	68	69
14120229	Valve panel	2	56	57
14120230	Striking-plate with tapered slot	1	56	57
14120231	Symbol plate	3	56	57
14120232	Bracket	24	48	49
14120233	Chain motor cover	38	48	49
14120238	Locking plate	24	50	51
14120239	Carrier trapdoor	25	50	51
14120242	Main tank	15	36	37
14120243	Sword cover	7	42	43
14120254	Orifice plate	19	68	69
14120256	Cover support	58	40	41
14120261	Bracket	19	64	65
14120262	Cover	7	38	39
14120263	Protecting plate	26	50	51
14120264	Protecting plate	21	52	53
14120266	Protecting plate	39	60	61
14120269	Locking plate	24	50	51
14130103	Drum	6	64	65
14130105	Damping plate	18	42	43
14130106	Curtain exterior	25	42	43
14130113	Curtain middle	26	42	43



DECLARATION OF CONFORMITY

Responsible person

Name: Roald A. Duun
Position: Operation Supervisor
Company name: **Duun Industrier as**
Address: N-7630 Åsen
Norway
Tel.: +47 74 01 59 00

Declares that the following machine: **Wood machine VM420**
Manufacturer: **Duun Industrier as**
Type: **Duun Wood Machine VM420**
Serial no.:

Manufacturing year: **2012**

Is in conformity with:

Directive 98/37/EC Mechanical equipment

Article 8

Annex 4 and 5

Signed by:
(responsible person)

Åsen, date: