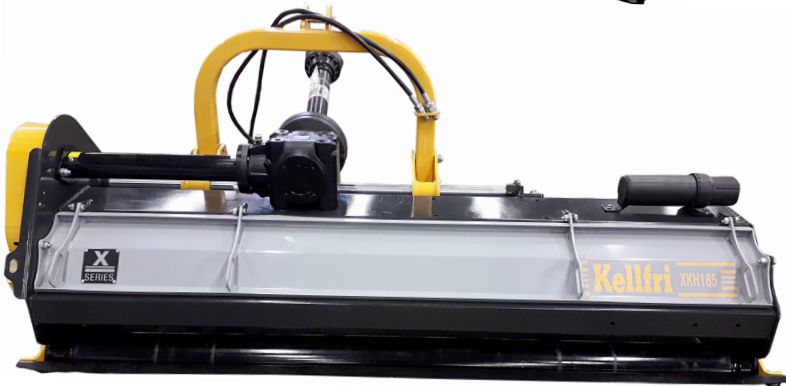


# **35-XKH145 35-XKH185 FLAIL MOWERS**



# **Kellfri**

Carefully read the operating instructions  
before using the product!  
Operating instructions translated from Swedish

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Kellfri designs and supplies efficient, affordable machinery and components for forestry, agriculture, construction and gardening in Sweden, the rest of the Nordic region and Europe.

Please note that the information in this document is general and may not pertain to your particular machine. We therefore recommend that you always read and follow the safety instructions and the instructions in the machine's operating manual.

Kellfri is not liable for any errors in this document.

## INTRODUCTION

Thank you for choosing a product from Kellfri AB. Compliance with the safety instructions, operating manual and sound common sense will guarantee many years of enjoyment using the product. Kellfri's equipment and products are aimed at self-employed farmers, horse enthusiasts and other country-dwellers who have stringent performance demands.

## PRODUCT INFORMATION

The XKH145/185 flail mower is a powerful machine for those of you who have high performance demands but are looking for a smaller and more versatile machine. The working width is 1.45 m/1.85 m, making it practical for flailing, topping or cutting small or medium-sized grasslands and grassed areas. The flail mower has a coarse-toothed welded counter bar in the chassis to break up the grass more effectively.

The cutting height is adjusted by the support roller and skids. The adjustable support roller guarantees a correct cutting height on uneven ground. The cutting height can be adjusted between 0-80 mm, enabling you to cut the grass close to the ground and thus achieve a more level result. The grass is evened out and the remnants moulder away faster. The support roller has a scraping iron to keep the roller free from cut material.

The front of the flail mower is fitted with steel plates that adapt to the substrate and protect both the tractor and the surroundings from stone chipping and grass spray.

The flail mower is fitted as standard with hammer flails. The flail mower is also adapted for Y-flails, which can be purchased additionally (not included).

This flail mower is equipped as standard with hydraulic side shift adjustment, which enables you to shift the machine to the left or right. The side shift adjustment means that you can cut at the side of your tractor and thereby reach areas that would otherwise be difficult to reach.

The hydraulic side shift adjustment enables you to drive with just one pair of wheels in the uncut area and cut closer to ditches, fences, etc.

The mower has an openable flap. You open the flap when you know you are cutting or topping ground that generates a higher flow of material. This enables you to drive freely under the same conditions as with a closed flap and a normal flow of material. You save on fuel and reduce wear on the belts, and you can also operate at a higher speed, as the grass does not become twisted around the roller. The grass is also spread more evenly.

TECHNICAL DATA	35-XKH145	35-XKH185
Length x width x height	1620 x 820 x 630 mm	2020 x 820 x 630 mm
Working width	1450 mm	1850 mm
Operating height	0 - 80 mm	0 - 80 mm
Weight	355 kg	392 kg
PTO shaft	Standard	Standard
Power requirement	25-60 hp	35-65 hp
Flails, hammer	18 pcs	22 pcs
Openable flap	Yes	Yes
Side shift adjustment	Hydraulic	Hydraulic
RPM	540	540
3-point linkage	Cat. 1 & 2	Cat. 1 & 2
Gearbox - transmission oil 80W-90	1.2 L	1.2 L

## SAFETY INSTRUCTIONS

Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and instruction manual and understand their contents. Always keep the safety instructions and operating manual handy for users of the equipment or product. For the safety of both yourself and others, it may be a good idea to read through the safety instructions every now and then. If the safety instructions or the operating manual are damaged, or become unusable for any other reason, new copies may be ordered from: Kellfri AB, Munkatorpsgratan 6, SE-532 37 SKARA, Sweden. Tel.: +46 511 242 50

The safety instructions can also be downloaded from Kellfri's website: [www.kellfri.co.uk](http://www.kellfri.co.uk)

Do not use the equipment or product if you feel ill, tired or are under the influence of alcohol. Do not use the equipment or product if you are taking prescribed medication or drugs, or suffering from severe depression or mental illness. Always comply with general rules of the road and applicable rules stipulated by animal welfare legislation. People under the age of 15 are not allowed to use the equipment.



### Warning!

The original design of the machine must not, under any circumstances, be modified without the approval of the manufacturer. Unauthorised modifications and/or accessories may cause life-threatening injuries or death to users and others.

*Kellfri is not liable for any modifications, changes or rebuilds carried out by customers.*

*Where the machine is used professionally, employers are responsible for ensuring that users of the machine have theoretical and practical knowledge of the machine and that work is performed in a safe manner. Stay informed by complying with work environment legislation; contact your local work environment authority.*

## INSTRUCTIONS FOR EMERGENCY SITUATIONS

In case of emergency, call 112.

Always have a mobile phone or emergency phone available when working alone. A first-aid kit and fire extinguisher must be kept in an easily accessible location when carrying out any work, maintenance or service.

## PERSONAL PROTECTION

Always use suitable protection equipment. Do not wear loose clothing or jewellery while working with the equipment. Long hair should be tied up when working with equipment that has moving parts. Use protective gloves to avoid the risk of burns if hot surfaces such as exhaust pipes are touched, and to avoid oil and petrol getting in contact with the skin. Ear defenders must be worn whilst the engine is running.





## SURROUNDINGS

Check that the work area is free from bystanders and objects before hitching or using the equipment. Otherwise, there is a risk of serious injury. Be extra careful if there are children in the vicinity of the area where the equipment or product is used or stored. Check that there are no low-hanging electrical cables within the work area. Exercise caution when working on slopes and close to ditches.

Always work alone with equipment or products that are made for working alone. Never leave rubbish in the work area, and keep work areas clean. Always respect the equipment's risk zone.



## BEFORE USE

Carefully read the safety instructions and the operating manual. Make sure that you understand the safety instructions, the operating manual and warning decals. Use common sense and suitable personal protective equipment when using the product. Always check the performance of the machine combination to be used. It is important that these are compatible and work satisfactorily together. This is to ensure that the equipment or product works as expected, and to guarantee the safety of yourself and others. Carry out a visual inspection of the equipment or product before use. Repair or replace damaged or worn parts to reduce the risk of injury. Grease moving parts and check that all nuts and bolts are tightened. Repair if necessary. Learn and remember the correct working method. Beginners must work slowly until they have learned how the machine or product works.

Users/customers are responsible for ensuring users can handle the situation. If a user feels that the machine is dangerous to use, they should not use it until they have received thorough training.



## ENVIRONMENT



- Disposal of oil and other waste
- Improper disposal of oil or other waste may be hazardous to the environment.
- When oil is emptied from the machine, it must be poured into a leak-proof container suitable for oil. It is not permissible to store oil in a container used for food or drink, in order to avoid the oil being consumed by mistake and causing serious injury.
- It is prohibited to spill oil on the ground, or pour it into a drain or anywhere leading to a water source.
- Discarded oil, fuel, coolant, brake fluid, filters and batteries must not be thrown away or emptied in just any manner. Contact your local authority for further information.

## USE

Only those who understand the safety instructions and the operating manual may use the equipment or product. Exercise caution and care when working with the equipment or product and only use it in the way described in the instruction manual.

There is a risk of crushing when working with equipment that has moving parts. Exercise caution when working with equipment with hydraulic hoses, as oil under pressure can penetrate the skin. Immediately seek medical attention if this should occur. Always work alone with equipment that is made for working alone.

Respect the equipment's risk zone.



For further information about your machine, read the machine's operating manual.

**Warning symbols identify important safety aspects in this manual in order to help you and others avoid dangers and accidents. When using the machine: Be extremely careful!**



**DANGER!**

This symbol indicates that a serious accident will occur if the directions in the operating manual are not followed. The accident will lead to serious injury, possibly death, or serious damage.



**Warning!**

This symbol indicates that an accident will occur if the directions in the manual are not followed. The accident will lead to serious injury or damage.



**CAUTION!**

This symbol indicates that an accident may occur if the directions are not followed. The accident will lead to injury or damage.

**NOTE:**

NOTE indicates the risk of a breakdown if the directions are not followed.

*Where the machine is used professionally, employers are responsible for ensuring that users of the machine have theoretical and practical knowledge of the machine and that work is performed in a safe manner. Stay informed by complying with work environment legislation; contact your local work environment authority.*

## AFTER USE

- Ensure that the equipment/product is standing on level ground when it is disconnected. Use stabilisers, if included with the product/tool.
- Wash, rinse with water and dry if necessary.
- Re-lubricate if necessary.

## MAINTENANCE AND SERVICE

- Make sure that the equipment is stable and cannot tip over when carrying out maintenance and service work.
- Replace damaged or worn parts to reduce the risk of injuries.
- Carry out maintenance, service and checks in line with recommendations.
- Only use spare parts with equal performance to reduce the risk of injuries and breakdowns.
- All electrical repairs and electrical connections must be carried out by a qualified person.

Check that all nuts and bolts are tightened after maintenance and service work.  
Always test the machine before starting work.



**IMPORTANT!** Check the oil level (gearbox) and lubricate grease points regularly!

**IMPORTANT!** Avoid over-lubricating. Dirt collects easily on exposed grease and causes increased wear. After lubrication, wipe excess grease off from couplings.



## DANGER!

**WARNING:** Pressurised oil and fuel leaks can penetrate skin and cause serious injuries. Do not use your hands to locate leaks. Use a piece of paper or cardboard to search for leaks.

Kellfri AB has a policy of continuous product development and therefore reserves the right to make modifications, e.g. to the design and appearance of the product, without prior notice.

## TRANSPORTATION AND SET-UP

- Check that the work area is free from bystanders, children and objects before driving off.
- Always observe additional caution during transport and moving.
- Ensure that the equipment or product is well anchored and that available transport lashings are fitted.
- Always position the load as low as possible. All protruding loads should be well anchored.
- Respect the risk zones even during transport and moving.
- Do not permit anyone to walk under suspended loads when carrying out lifts.
- Trailers used for transport should have brakes that work.
- An SMV sign must be attached when travelling on public roads.
- Check tyre pressure - see information on tyre pages. Do not exceed the maximum pressure!
- Always store the equipment or product in a dry place, preferably under a roof, when not in use.
- Ensure that the equipment or product is stable and cannot tip over.
- Never permit children to play at the storage site.
- Be aware of the tipping risk!

## RECYCLING

For scrapping, the equipment/product must be dismantled and transported to a recycling station designated by your local authority. Any liquids should be collected and transported to a recycling station designated by your local authority. Contact your local authority for further information.



## RISKS AND HAZARDS ASSOCIATED WITH THE USE OF GRASSLAND MACHINERY

### Risk of crushing

Observers can be injured when the machine is lowered in the cutting position. Pasture toppers have crushing points around the hinge areas and between the 3-point linkage and the main body. Respect the risk zone of 15 m!

### Rotating blades

**WARNING!** Any person can risk injury by putting their hands or feet under the machine when it is lifted from the ground and the blades are still rotating. Nobody is allowed in the vicinity during operation or when the machine is running.

### Risk of crushing

This risk is common in mechanical transmission devices such as belt drives, bevel gears and rollers. Ensure that all guards are correctly fitted.



Rotating blades

### Risk when disengaging machine

The heavier a rotating part is, the longer it will continue to rotate after the wheel drive has been disconnected. This property is called free-wheeling. Rotating blades and other components such as drive shafts etc. will continue to spin round after the wheel drive has been disconnected. Injuries occur:

- When the operator disconnects the equipment and attempts to clean or adjust the machine before the components have stopped rotating.
- When the shear bolt in the protective device in the power outlet disintegrates and the rotors continue to spin while the power outlet has stopped. The operator's awareness is of key importance for safety around rotating parts. Never raise the machine while the blades are still rotating!

### Risk of ejected objects

Machines that cut grass eject material during operation. Foreign objects such as stones, sticks and other debris can find their way under the machine and be ejected at great speed. Metal guards at the sides and front prevent these objects being ejected, but this is no guarantee that they will always capture everything.



Observers or animals standing in the way of an ejected object can suffer serious injury. Never operate the machine when there are observers nearby. Respect the equipment's risk zone of 15-25 m!

### Noise

Note that the machine is intended for outdoor use and that the operator's position is the driver's seat of the tractor. It is advisable to read the directions given in the tractor manual and maintenance instructions. The sound pressure level during operation exceeds 70 dB. Hearing protection must therefore be worn during operation.

### Accidents involving slipping and falling are often a result of:

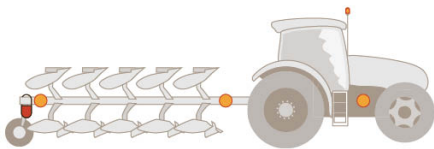
- Slippery surface
- Uneven steps and work platforms.

The risk of slips and falls can be reduced considerably by exercising good judgement.

All unprotected rotating machine parts increase the risk of accidents. Accidents usually occur when loose-fitting clothing or long hair is caught and wrapped around rotating parts, such as PTO shafts or drive shafts on the machine. Ensure that all guards are correctly fitted.

### Drive safely on public roads

- Always follow traffic safety rules on public roads, and following the regulations applying to driving a tractor with towed equipment on a public road.
- Check that reflectors, warning signals and/or warning flags indicating protruding equipment are fitted to the machine or tractor. These indicators must be correctly mounted, and must be visible and easy for drivers of other vehicles to see.
- Observers must not lean against or climb onto the machine during transport or during work. NEVER allow anyone to travel on the machine!
- The maximum transportation speed must not exceed 20 km/h
- Brake regulations: If the gross weight of the trailer exceeds the gross weight of the towing vehicle, the trailer must be equipped with a brake. For further information, contact the traffic authorities.
- IMPORTANT! Mark protruding equipment clearly with additional lights or suitable reflectors. It is important that the equipment is visible! If you are driving on a public road, any load or equipment protruding in front of or behind the tractor must be marked. In darkness, at dusk or dawn or in weather with poor visibility, the load must be marked with a white reflector and lantern at the front and a red reflector and lantern at the rear. In daylight you can mark the load with a flag or a piece of fabric in colours which are easy to notice, such as red and yellow.



- Think about front-loaded equipment. As well as marking front-loaded equipment clearly, you can also try to make front-loaded equipment such as a bucket, bale spike or pallet forks less aggressive if another driver should collide with it.
- Before going out onto public roads, it is also always advisable to look over your vehicle and check that the brake system on the following vehicle is working, and that your tow bar eyes are not too worn. A worn-out towing eye can break if subjected to a heavy load, and you can lose the cart.
- It is also advisable to check that the SMV sign is clearly visible from behind. If it is obscured by any equipment or load behind, you must hang an additional one at the rear of the vehicle train.





## MACHINERY/EQUIPMENT CONNECTED TO HYDRAULICS

Be careful when you connect your machine or equipment to a hydraulic hose.



### DANGER!

Pressurised oil and fuel leaks can penetrate skin and cause serious injuries. Do not use your hands to locate leaks. Use a piece of paper or cardboard to search for leaks.

- Warning of high pressure, risk of penetration injury.
- Before repairs or maintenance are carried out, the system must be relieved of any remaining pressure.
- Turn off the tractor and move the hydraulic levers back and forth to release any pressure that may still be in the oil hoses and pipes before starting any work on them or the hydraulic cylinders.
- Clean the filter in the suction pipe after 10 hours' work.
- Immediately replace hydraulic hoses if cracks or wear are detected.
- Do not adjust the valve settings. Incorrect adjustment can result in damage to the machine and/or injury.
- The hydraulic system must only be operated using hydraulic oil intended for the purpose. **Check the oil level before you start the machine!**
- When commissioning a new machine, it is recommended that the hydraulic oil is changed after the first 10 hours of operation, in order to remove any dirt or metal chips which may have got into the hydraulic system.

*NOTE: The oil becomes hot when it flows through the hydraulic system. Check the oil temperature at regular intervals in order to avoid overheating. Stop the machine if the oil becomes overheated and allow the oil to cool down.*



### POWER TAKE-OFF SHAFT (PTO SHAFT)



Warning! Rotating power take-off  
Warning! Risk of crushing!

### Things to remember when operating equipment with a PTO shaft

The transmission to the gearbox is protected both by the PTO drive shaft and by the shear bolt. All guards should be correctly assembled and in good condition. If the guards are in poor condition or worn out, they should be replaced before the equipment is used.



### DANGER!

If the PTO shaft is not correctly protected, it can result in death, as it can trap parts of the body or clothing and cause life-threatening injury.

Ensure that the safety chain is correctly anchored to the PTO drive shaft and that the PTO shaft is protected along its entire length. Ensure that the PTO shaft spins easily inside the protective tubular pipe. Keep the spline grooves clean and well lubricated so that the PTO drive shaft can be connected easily.

For adjustment and use of the PTO shaft, see the PTO shaft operating manual.



Never overload the PTO shaft! Never exceed the PTO shaft's maximum speed.

## CHEMICALS

To maximise the service life of a product/equipment, maintenance - and not least preventive maintenance - is important, and this is largely what greases and oils do. Carefully read the operating manuals for your new products or equipment to ensure correct maintenance and service life and that the warranty remains valid!

### Lubricating greases

First aid measures.

**Inhalation** - In the event of unintended inhalation of fumes, move the injured person into fresh air.

**Skin contact** - Wash with soap and water. Contact a doctor in the event of eczema or skin complaints.

**Eye contact** - Remove contact lenses, if any, before rinsing. Rinse thoroughly with large amounts of water, including under the eyelids. Contact a doctor if discomfort remains.

**Ingestion** - DO NOT induce vomiting. Drink water in small quantities. In the event of ingestion or discomfort, contact the poison information service or a doctor.

**Hand protection** - Wear protective gloves.

**Eye protection** - Avoid contact with eyes. Wear approved protective goggles.

**Body protection** - Suitable protective clothing.

**Respiratory protection** - No protection is necessary during normal handling.

Greases should be stored well-sealed in a cool place in a well-ventilated area. Storage temperature must not exceed 45°C. Keep away from heat, flames and sparks. The function and strength of materials such as steel, plastic, oils, grease etc. deteriorate considerably at very low temperatures (-20 to -30°C).



Keep chemicals out of the reach of children and animals.

### Degreasing
















To ensure the best lubricating effect, you need to clean parts of the product or equipment from time to time. We recommend degreasing to achieve thorough cleaning and to remove all residues of old lubricant, which may contain destructive particles.

The degreasing agent we supply at Kellfri is OKQ8, in a 20-litre can.



## WARNING DECALS

Make sure warning decals are always visible and clean them when necessary. Do not use a high-pressure washer directly on the warning decal. If a part with a decal is replaced, or the decal becomes worn or in any other way unusable, order a new set of decals.

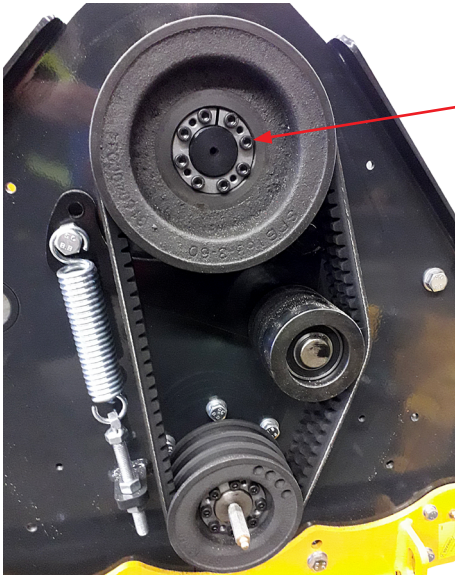
SYMBOL	EXPLANATION
  	Read the operating manual! Before carrying out work. Switch off the tractor and remove the key during maintenance/service.
	Warning! Oil jet from hydraulic hose.
 	Warning! Ejector! Risk area of 15 metres. Respect the equipment's risk zone!
	Warning! Crushing risk behind tractor during connecting and disconnecting of equipment. No one is allowed in the vicinity during connecting and disconnecting of equipment.
  	Warning! Rotating blades. Risk of crushing! Warning! Rotating power take-off
	NEVER allow anyone to travel on the equipment! The machine is designed for individual work.
	Warning! Keep off the equipment!
	Warning! Accident risk for children! Children are not allowed in the vicinity of the equipment.
	Always store the machine in a dry place, preferably under a roof, when not in use.
	The product is CE marked



## BEFORE OPERATION

- Important! Check re-tightening of all bolts and nuts, especially bolts for clamp bushings and belt pulleys!

**IMPORTANT!** Check mounting bolts for **CLAMP BUSHINGS** and **BELT PULLEYS**.



Check the pulley's clamp bushings.  
Re-tighten the bolts at regular intervals.

Tighten and check the belt tension if necessary.

- Check that blades or flails are in their correct position. REPLACE broken, cracked or worn-out blades or flails.
- Check all protective covers and protective devices. Remove any transport locking device.
- Grease the drive shaft and other grease nipples.

## CONNECTING THE EQUIPMENT

- Connect the machine to the tractor's rear 3-point linkage.
- Connect the PTO shaft. Secure the chain properly.
- Connect hydraulic hoses to the tractor's double-acting outlet.
- Ready for use.

## CUTTING

- Check the area to be cut, and remove objects and debris that might be caught and ejected by the blades.
- The amount of grass to be cut determines the forward speed. Low speed usually produces the best results. It is best to cut grass when it is dry. Cutting wet grass can cause clogging and the formation of grass clumps behind the cutting unit. When cutting very tall grass, raise the cutting height and cut the same area twice, the second time with a lower cutting level. Allow at least 24 hours between the first and second cutting, to enable the grass to dry out.
- Lower the cutting unit towards the ground. Connect the PTO shaft so that the blades begin to rotate.

**Operate at 540 rpm. Start with the lowest possible speed; check that the flail mower is working effectively with the engine at 540 rpm without straining.**

Stop and check that the cutting unit is correctly adjusted after the first 10 metres.



The mower must always be adjusted with the tractor's engine switched off.

- Do not turn sharply or reverse when the machine is lowered to the ground.



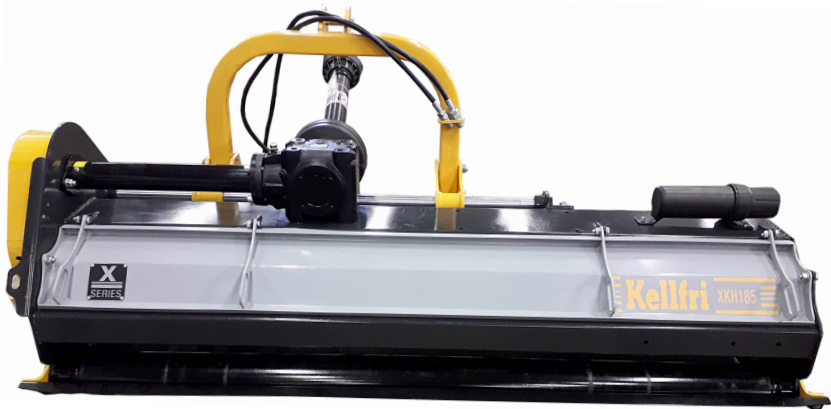
Do not connect the PTO shaft when the machine is in raised position or on full gas operation.

- The rotating blades can throw stones etc. from the ground with great force. It is therefore important for the operator of the machine to ensure that there is no one else in the vicinity of the machine during operation.
- Above the mower's operating system there are safety hatches and safety panels. These prevent earth and stones from being ejected around the machine and protect the operator of the machine from the rotating blades.
- When cutting tall grass, the grass sometimes winds itself around the rotor and blades. For this reason, be attentive to abnormal noise from the machine or vibrations. Switch off the tractor, disconnect the machine and check that the blades rotate freely.
- **IMPORTANT!** Make sure the rotors have stopped rotating before lifting the machine to check the blades. Wait a few minutes to ensure that the blades have stopped rotating.



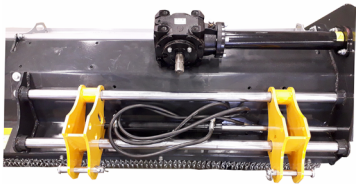
*The illustration shows 35-XKH145*

SERVICE	INTERVAL	MEASURE
Flails	Before each use	Replace all defective flails. Sharp blades give better results. When replacing blades, tighten bolts fully.
	While operating	Listen out for noises
	After each use	Check
Gearbox	Before each use	Check level of oil type: Transmission oil (approx. 1.2 L)
	50 operating hours	First oil change
	100 operating hours or a minimum of once a year	Oil change
Rotor	After 20 hours of operation	Lubrication
Belts	After 1 hour of operation Regularly	Check and tighten belt. The belt should move 20 mm under pressure.
The equipment	After each use	Wash off earth and grass with water.
Lubrication	The first time after 2 hours of operation. After 20 operating hours	Lubricate all points regularly.



*The illustration shows 35-XKH185*

**PARTS**



3 pcs



M16 x 90  
4 pcs



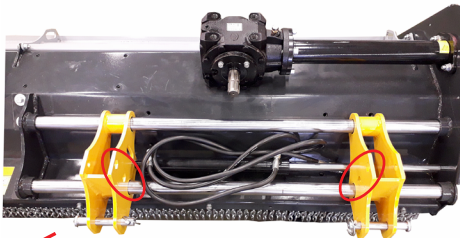
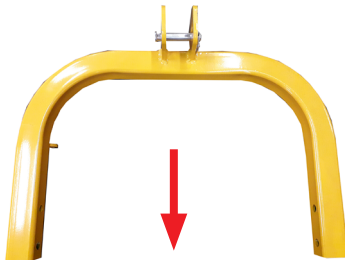
M16  
4 pcs



M16  
4 pcs

Note: On delivery you will find screws, washers and nuts in the pipe on the mower.

**ASSEMBLY**



M16 x 90



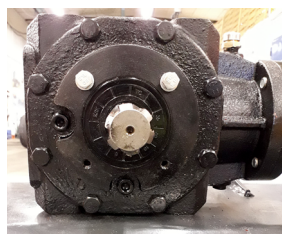
M16



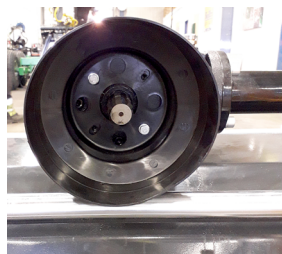
M16



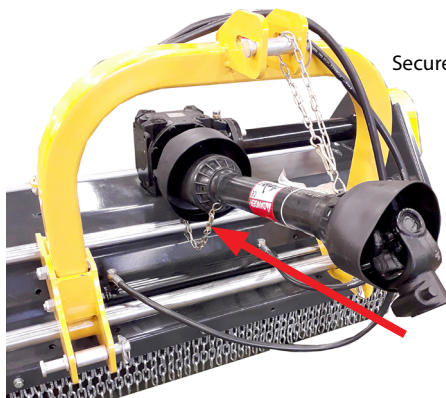
Cat. 2



Loosen the screws.



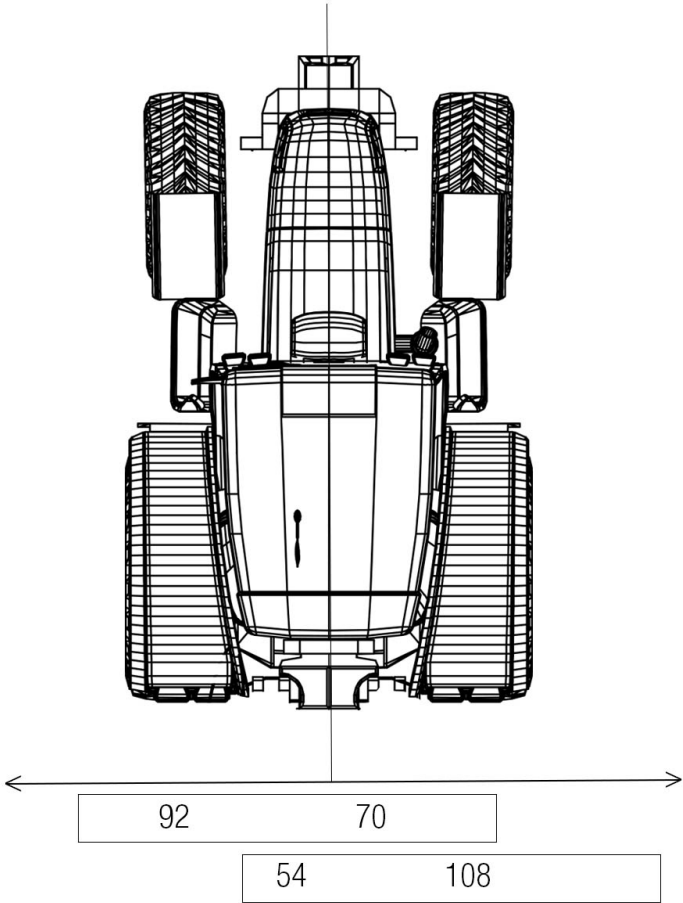
Attach the guard.



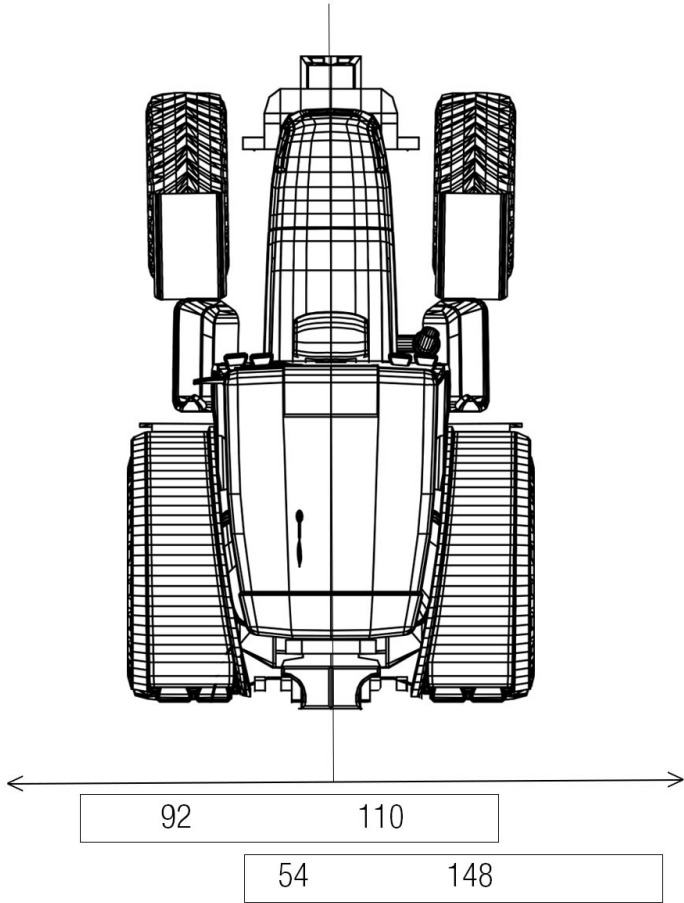
Secure with the chain.



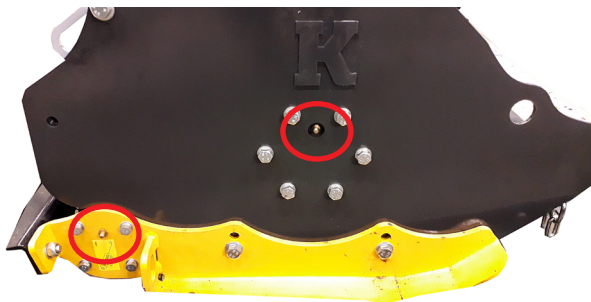
MOVEMENT PATTERN 35-XKH145



MOVEMENT PATTERN 35-XKH185







## GREASE POINTS

Lubricate the indicated grease nipples regularly, and every time you rinse off the machine, to remove the water that has penetrated into the bearings during rinsing.

Inadequate lubrication can result in unnecessary wear and mechanical damage.  
Use a universal lubricant.

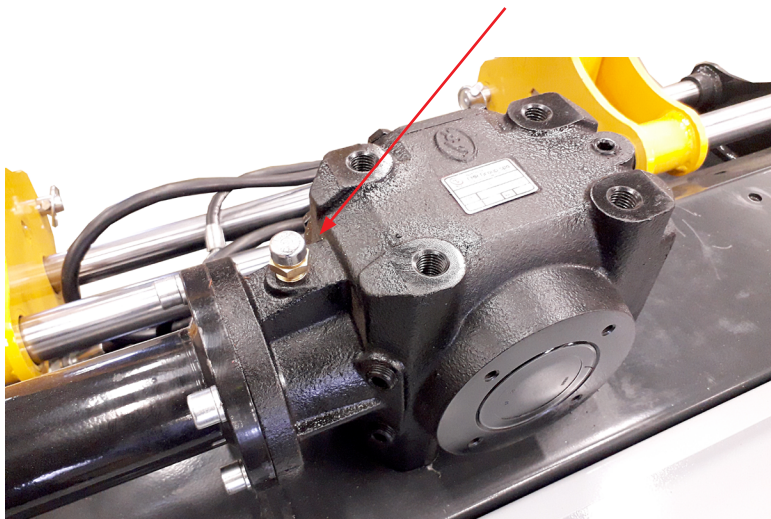
**IMPORTANT!** Avoid over-lubricating. Dirt collects easily on exposed grease and causes increased wear. After lubrication, wipe excess grease off from grease nipples and bearings.

FAULT	MEASURE
The flail mower cuts unevenly or badly	Check that all flails are intact and firmly in position. Adjust the support roller and check that is in the correct position. Check the drive belts and tighten if necessary.
The cutting sound changes	Check the roller. Check the tension of the drive belts. Check the flails.
Vibrations	Check the flails.
Hydraulics do not work	Check hoses and connections.



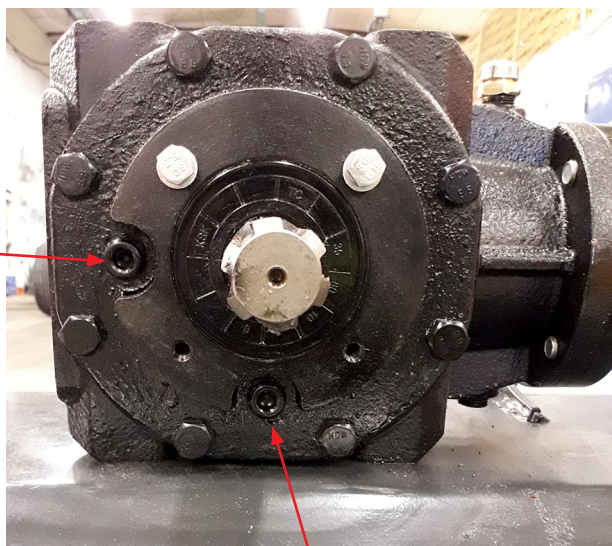
## GEARBOX

OIL REFILLING, TRANSMISSION OIL 80W-90 (1.2 L)



**IMPORTANT! ALWAYS CHECK THE OIL LEVEL AND LUBRICATING GREASE BEFORE OPERATION!**

GEARBOX  
LEVEL PLUG



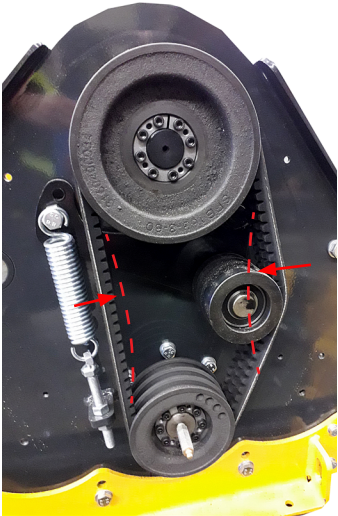
DRAINAGE PLUG

## BELT ADJUSTMENT

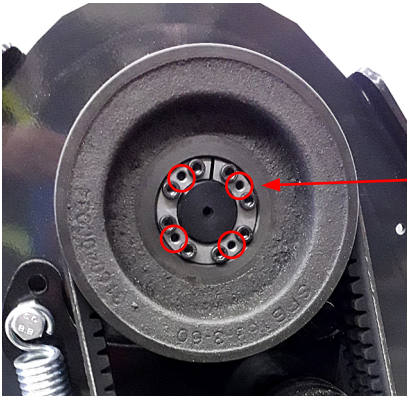


BELT GUARD

CHECK BELT TENSION REGULARLY  
The belt should move 20 mm under pressure - see illustration.



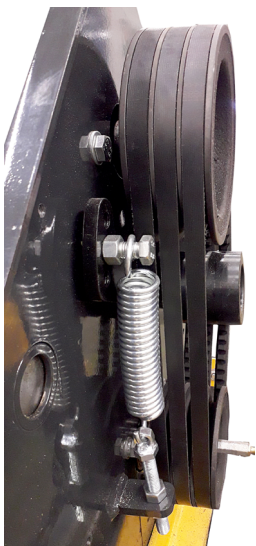
## CHECK AND TIGHTEN COG BELT AFTER ONE HOUR OF OPERATION!!



Re-tighten the pulley bolts at regular intervals.

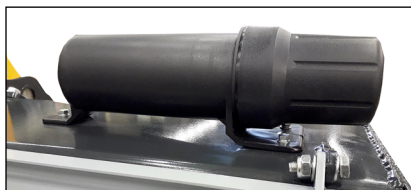
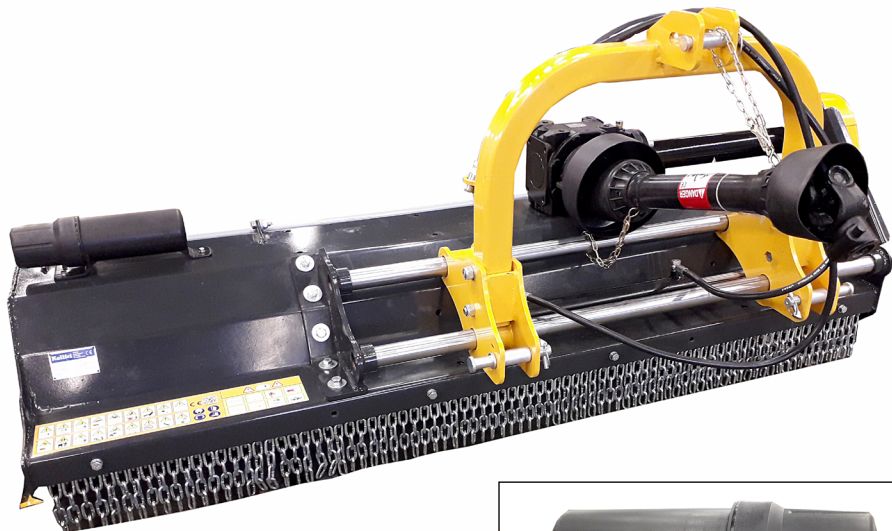
To keep the clamp bushing in place while replacing belt or pulley:

- Loosen and remove bolts from the pulley.
- Insert them in the threaded holes on the clamp bushing. (See marked holes in the illustration.)
- Then remove the remaining bolts.
- Replace belt/pulley and then reassemble all bolts.
- Tighten and check the belt tension, and adjust if necessary.

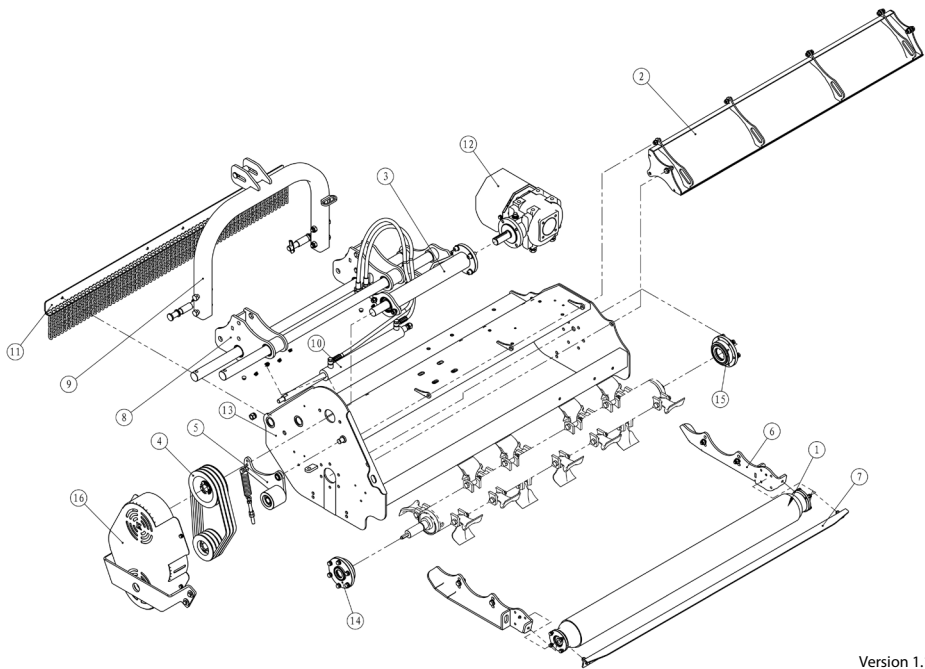


**Belt XPB1065**

**CHECK AND TIGHTEN THE BELTS AT REGULAR INTERVALS.  
A NEW MACHINE SHOULD BE CHECKED AND THE BELTS TIGHTENED  
AFTER 2 HOURS OF OPERATION.**

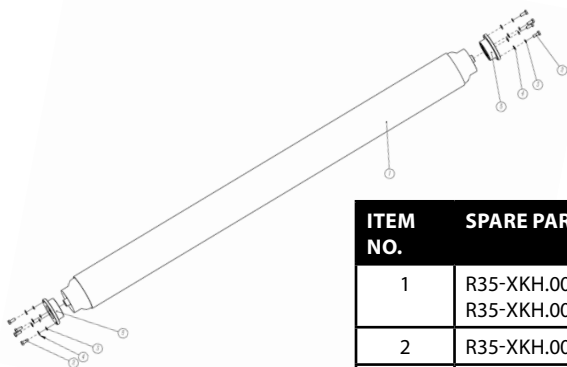


Storage for documents, screws, small tools etc.

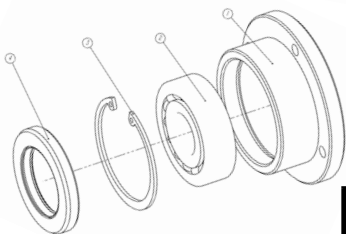


Version 1.1

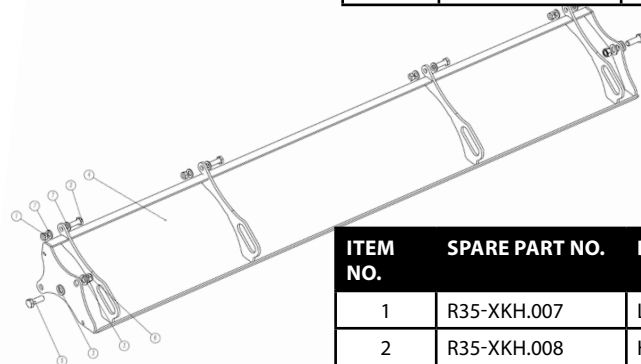
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	-	Roller	1
2	-	Protective guard	1
3	R35-XKH.104	Drive shaft gearbox	1
4	-	Side operation	1
5	-	Seal	1
6	-	Slide rail	1
7	-	Scraper	1
8	-	Connection bracket	1
9	-	Suspension	1
10	-	Shaft	1
11	-	Bracket chain	1
12	-	Gearbox	1
13	-	Frame	1
14	-	Bearings	1
15	-	Bearings	1
16	-	Belt guard	1



ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.001 (145) R35-XKH.002 (185)	Roller	1
2	R35-XKH.003	Hex key M8 x 20	8
3	R35-XKH.004	Spring washer 8	8
4	R35-XKH.005	Washer 8	8
5	R35-XKH.006	Bearings	2

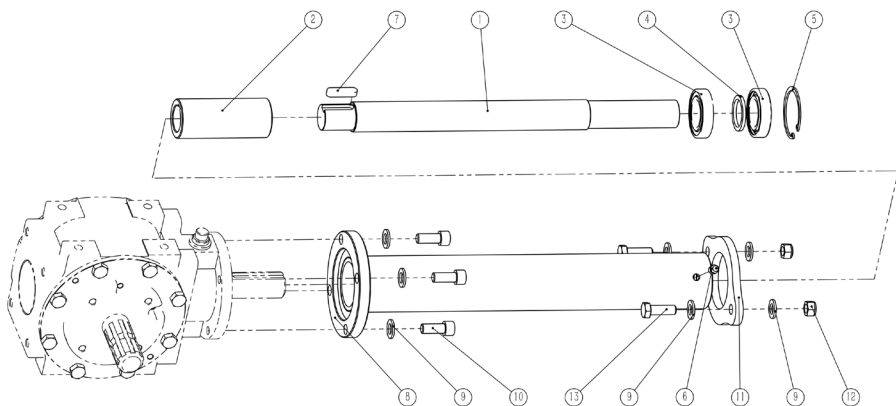


ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.100	Bearing	1
2	R35-XKH.101	Ball bearing	1
3	R60-SGH62	Circlip SGH62	1
4	R60-SEAL.064	Radial seal 40 x 62 x 8	1



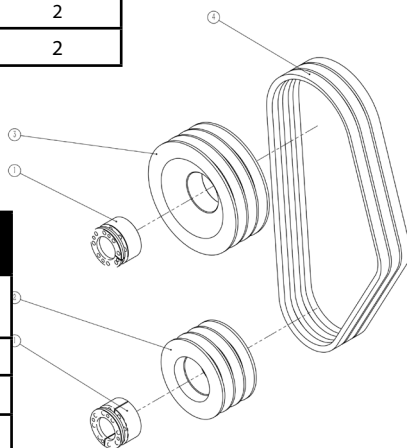
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.007	Lock nut M10	4
2	R35-XKH.008	Hex key M10 x 30	4
3	R35-XKH.009	Washer 12	4
4	R35-XKH.010 (145) R35-XKH.010 (185)	Protective guard	1
5	R35-XKH.012	Hex key M12 x 35	2
6	R35-XKH.013	Locking nut M12	2
7	R35-XKH.014	Washer 10	8

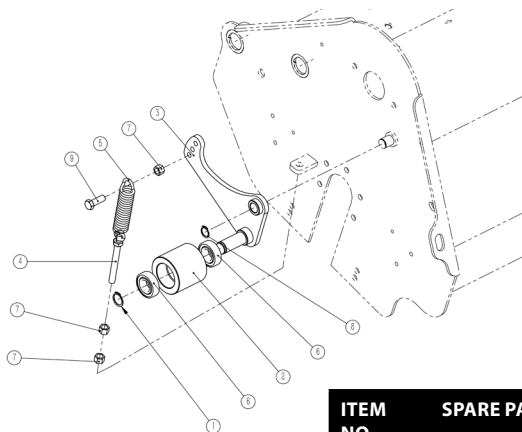




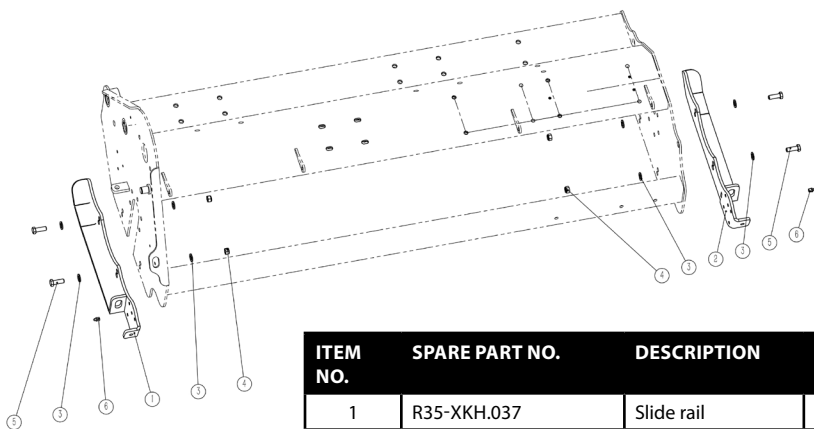
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.015	Connection shaft	1
2	R35-VKM175.046	Drive cup 33mm - 33mm	1
3	VKMATV150HXL.062	Ball bearing 6007 RS	2
4	R35-XKH.018	Spacer	1
5	R60-SGH62	Circlip SGH62	1
6	R35-XKH.020	Grease nipple	1
7	R35-XKH.021	Spline	1
8	R35-XKH.022	Shaft pipe	1
9	R35-XKH.009	Washer 12	8
10	R35-XKH.023	Hex key M12 x 30	4
11	R35-XKH.024	Plate	1
12	R35-XKH.013	Locking nut M12	2
13	R35-XKH.012	Hex key M12 x 35	2

ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-RS165H.032	Clamp bushing pulley 35 x 60	2
2	R35-XKH.026	Belt pulley	1
3	R35-XKH.027	Belt pulley	1
4	R35-XKH.028	Belt	3

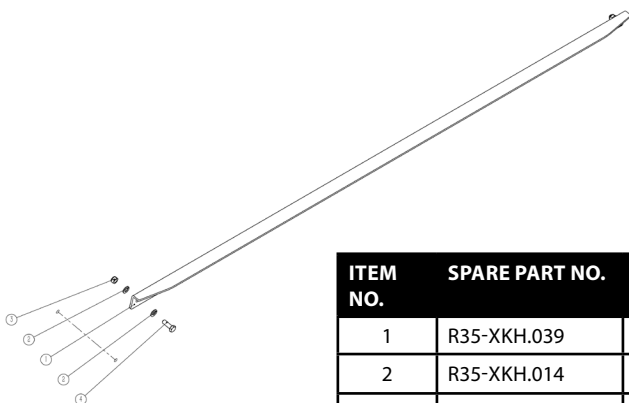




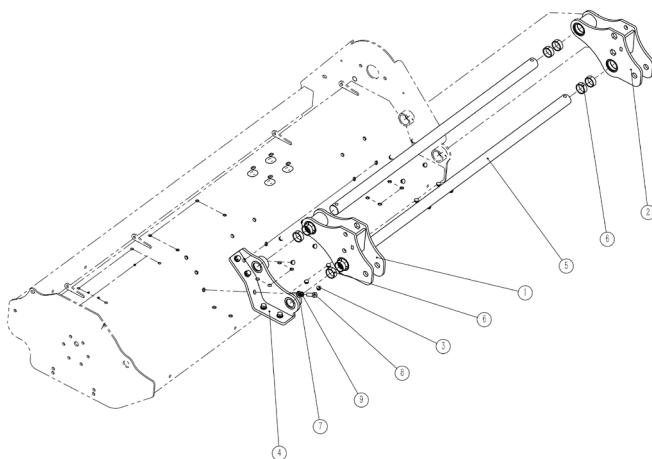
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.029	Clamp ring	1
2	R35-XKH.030	Re-tightening wheel	1
3	R35-XKH.031	Re-tightening plate	1
4	R35-XKH.032	Adjustment screw	1
5	R35-XKH.033	Spring	1
6	R10-6205-2RS C3	Ball bearing	2
7	R35-XKH.035	Hex lock nut M12	3
8	R35-XKH.036	Clamp ring	1
9	R35-XKH.012	Hex key M12 x 35	1



ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.037	Slide rail	1
2	R35-XKH.038	Slide rail	1
3	R35-XKH.009	Washer 12	8
4	R35-XKH.013	Locking nut M12	4
5	R35-VKM195H2.066	Hex key M12 x 35	4
6	R35-XKH.020	Grease nipple	2

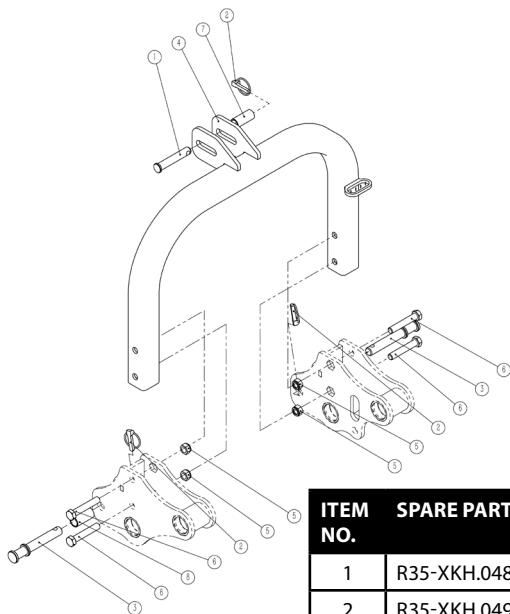


ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.039	Scraper	1
2	R35-XKH.014	Washer 10	4
3	R35-XKH.007	Locking nut M10	2
4	R35-XKH.008	Hex key M10 x 30	2



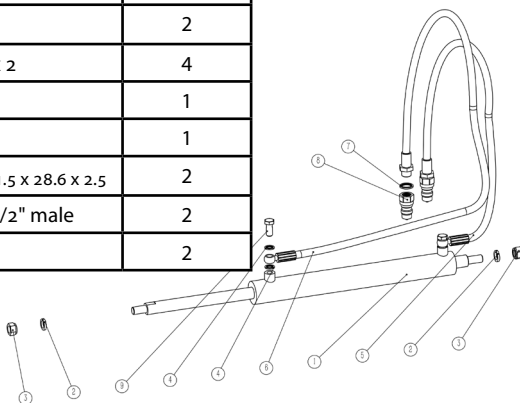
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.041	Attachment plate	1
2	R35-XKH.042	Attachment plate	1
3	R35-XKH.043	Pipe plug	16
4	R35-XKH.044	Installation of guiderail	1
5	R35-XKH.045	Guiderail	2
6	R35-XKH.046	Ring guiderail	8
7	R35-XKH.009	Washer 12	5
8	R35-XKH.012	Hex key M12 x 35	5
9	R35-XKH.047	Spring washer 12	5

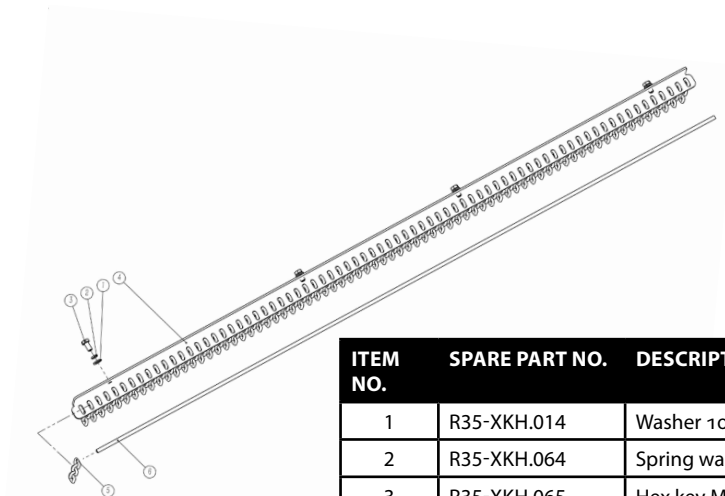




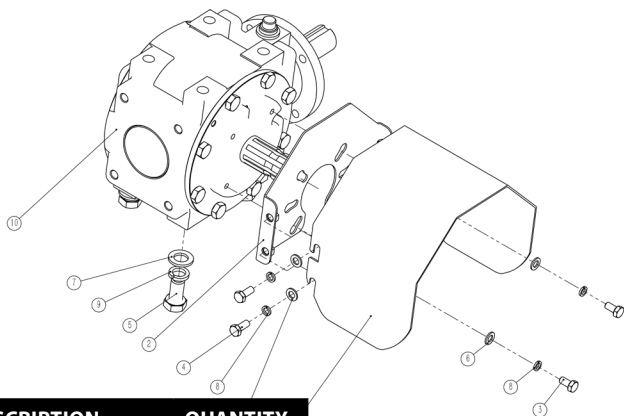
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.048	Pin	1
2	R35-XKH.049	Ring pin	3
3	R35-XKH.050	Pin	2
4	R35-XKH.051	Attachment	1
5	R35-XKH.052	Locking nut M16	4
6	R35-XKH.053	Hex key M16 x 90	4
7	R10-CAT2.000	Sleeve 19.4/25.4 x 51	1
8	R35-VKM175.040	Sleeve lower 3-point linkage	2

ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.056	Hydraulic cylinder	1
2	R35-XKH.057	Spring washer 16	2
3	R35-XKH.052	Locking nut M16	2
4	R35-XKH.058	Seal 13.7 x 20.6 x 2	4
5	R35-XKH.059	Hose	1
6	R35-XKH.060	Hose	1
7	R35-XKH.061	Sealing gasket 21.5 x 28.6 x 2.5	2
8	R10-HYD.012	Quick coupling 1/2" male	2
9	R35-XKH.063	Bolt, hollow	2

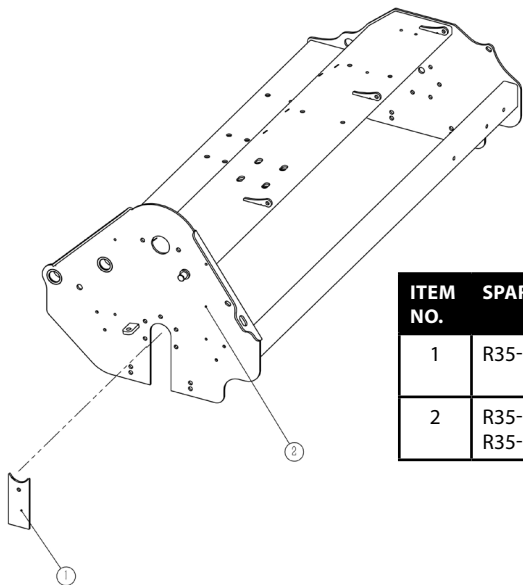




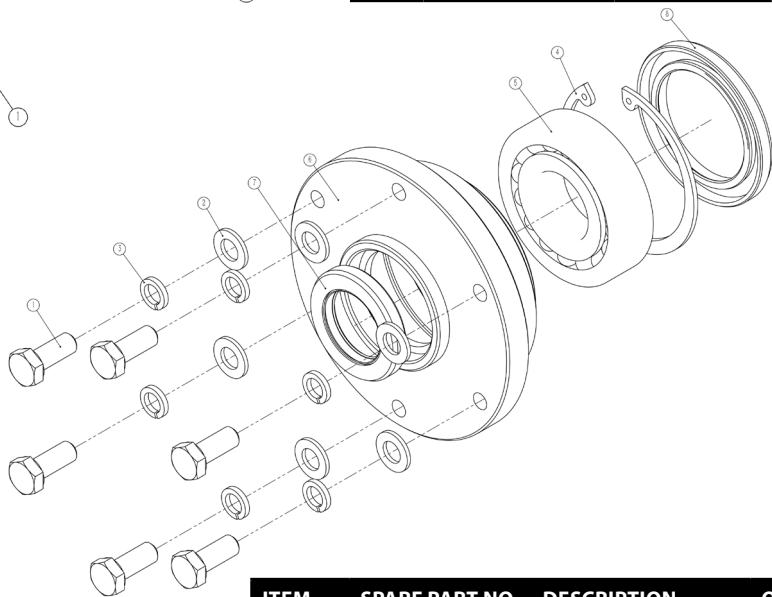
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.014	Washer 10	4
2	R35-XKH.064	Spring washer 10	4
3	R35-XKH.065	Hex key M10 x 20	4
4	R35-XKH.066	Attachment plate	1
5	R35-WKM145.005	Chain 6 x 28 x 20-5	Model 145/65 st Model 185/83 st
6	R35-XKH.060	Cylindrical roller	1



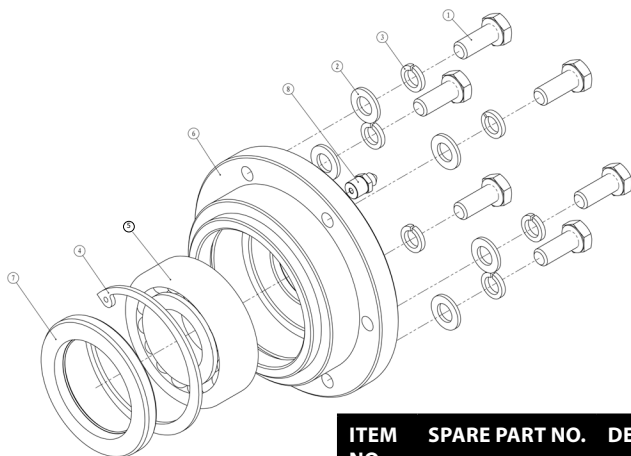
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.071	Guard	1
2	R35-XKH.072	Mounting plate	1
3	R35-XKH.073	Hex key M8 x 16	2
4	R35-XKH.003	Hex key M8 x 20	4
5	R35-XKH.074	Hex key M16 x 30	4
6	R35-XKH.005	Washer 8	6
7	R35-XKH.075	Washer 16	4
8	R35-XKH.004	Spring washer 8	6
9	R35-XKH.057	Spring washer 16	4
10	R35-XKH.076	Gearbox	1



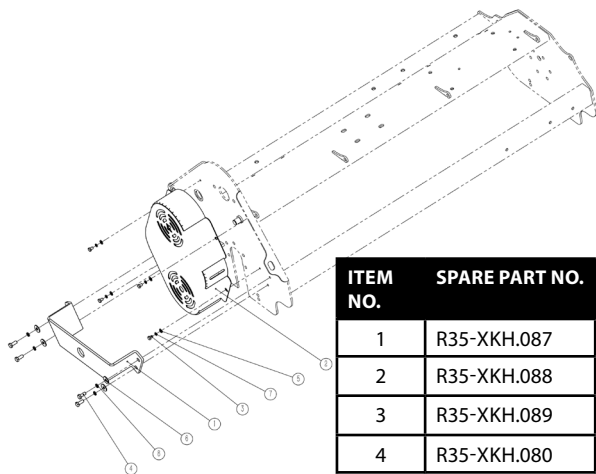
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.077	Protective panel	1
2	R35-XKH.079 (145) R35-XKH.078 (185)	Frame	1



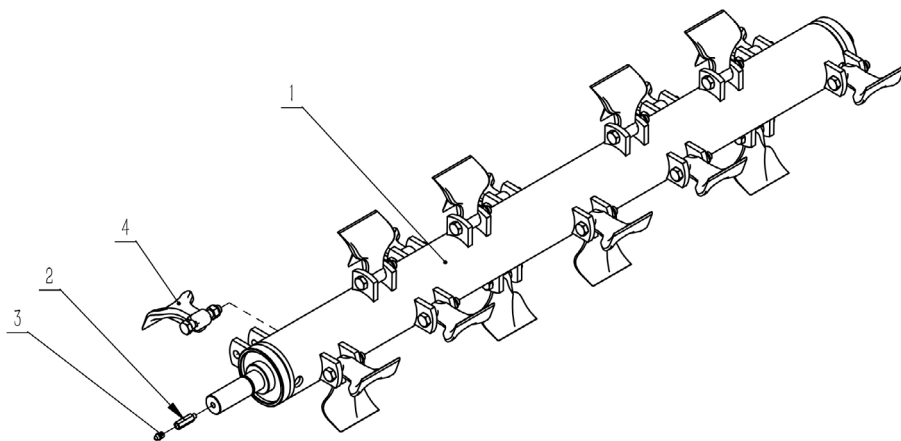
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.080	Hex key M10 x 25	6
2	R35-XKH.014	Washer 10	6
3	R35-XKH.064	Spring washer 10	6
4	R60-SGH80	Circlip SGH80	1
5	R35-XKH.082	Ball bearing	1
6	R35-XKH.083	Bearing	1
7	R35-XKH.084	Shaft seal 35 x 55 x 8	1
8	R60-SEAL.035	Radial seal 55 x 80 x 8	1



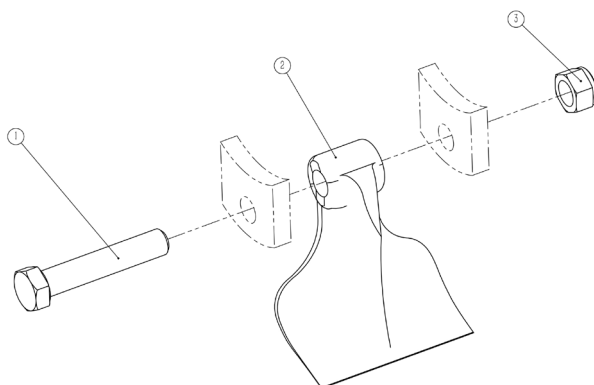
ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.080	Hex key M10 x 25	6
2	R35-XKH.014	Washer 10	6
3	R35-XKH.064	Spring washer 10	6
4	R60-SGH80	Circlip SGH80	1
5	R35-XKH.082	Ball bearing	1
6	R35-XKH.086	Bearing	1
7	R60-SEAL.035	Radial seal 55 x 80 x 8	1
8	R35-XKH.020	Grease nipple	1



ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.087	Protective panel	1
2	R35-XKH.088	Belt guard	1
3	R35-XKH.089	Hex key M8 x 12	4
4	R35-XKH.080	Hex key M10 x 25	4
5	R35-XKH.005	Washer 8	4
6	R35-XKH.090	Washer 10	4
7	R35-XKH.004	Spring washer 8	4
8	R35-XKH.064	Spring washer 10	4



ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.091 (145) R35-XKH.092 (185)	Shaft	1
2	R35-XKH.093	Mouthpiece connection	1
3	R35-XKH.020	Grease nipple	
4	-	Hammer flail	Model 145/18 st Model 185/22 st



ITEM NO.	SPARE PART NO.	DESCRIPTION	QUANTITY
1	R35-XKH.094	Hex key M14 x 75	1
2	R35-XKH.095	Hammer flail	1
3	R35-VKM195H2.058	Lock nut M14	1

## This image shows a full page of white paper with horizontal dotted lines, typical of notebook paper or a template for handwriting practice. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings present.

Case number:

## DEVIATION FORM

We are grateful for your help in pointing out any defects in the product supplied to you by Kellfri. Before making a claim, read Kellfri's general purchase terms and conditions in our catalogue or on our website [www.kellfri.co.uk](http://www.kellfri.co.uk), and in the operating manual if supplied. The manual can also be downloaded from [manual.kellfri.co.uk](http://manual.kellfri.co.uk)

Please fill in the details below and attach photos as documentation so that we can process your case optimally. In order for us to obtain as good an understanding as possible of any faults, please take at least four photos of the defective parts of the machine/ equipment; two of the entire equipment from two different angles and two close-ups of the actual damage from two different angles. (Feel free to attach photos on the next page.)

*If the product was purchased from a dealer, please contact the dealer in the first instance.*

Purchaser**:	Customer number**:
Address**:	Invoice number:
Email**:	Daytime telephone**:

When was the product supplied?	When was the product put into operation?	Was the product working on delivery? YES NO
--------------------------------	--	--

Product name/article number**:
Serial number:

CAUSE	YES
(11) Transport damage*	
(09) Product complaint*	
(04) Wrong goods delivered	
(03) Wrong quantity	

CAUSE	YES
(05) Wrong price	
(02) Ordered by mistake/Charge-back	
(99) Other reason*	

\* Fill in form below  
Required fields\*\*

Description of fault\*\*:

Describe the course of events:

Miscellaneous:

Customer's signature:	Date:
-----------------------	-------

*To be filled in by dealer*

Dealer:	Invoice number.:
---------	------------------

Signature:	Date:
------------	-------

# Kellfri

Send the claim form and photographs to:  
Kellfri AB  
Service department  
Munkatorpsgatan 6  
SE-532 37 Skara, Sweden

Or e-mail Service:  
[service@kellfri.co.uk](mailto:service@kellfri.co.uk)  
KELLFRI AB  
Munkatorpsgatan 6  
SE-532 37 SKARA,  
SWEDEN

Tel. +46 511 242 50  
Fax: +46 511 168 33  
Website: [www.kellfri.co.uk](http://www.kellfri.co.uk)  
Email: [info@kellfri.co.uk](mailto:info@kellfri.co.uk)  
Edition: 28 November 2018

## WARRANTY TERMS AND CONDITIONS

**The warranty's validity** - Kellfri's warranty is valid for 12 months from the date of purchase.

**The warranty covers** - Reimbursement for parts replaced after a material fault or manufacturing fault has been verified.

**The warranty does not cover**

- Labour costs
- Travel costs
- A machine that the purchaser himself has modified, or has had modified by a third party.
- Any additional costs arising as a result of damage to the machine.
- Damage due to normal wear and tear of the machine, substandard servicing, the user's inexperience or use of spare parts that are not original.
- Wear parts such as hoses, seals, oil and belts.

## EC DECLARATION OF CONFORMITY FOR MACHINERY, ORIGINAL



In accordance with 2006/42/EC, Appendix 2A  
Kellfri AB  
Munkatorpsgratan 6  
SE-532 37 Skara, Sweden

Hereby declares that the machine

Name: 35-XKH145 and 35-XKH185

Type: Flail mower

Conforms with all applicable requirements in the Machinery Directive 2006/42/EC.  
Other equipment must comply with the Machinery Directive's requirements.

Kjell Johansson  
Product Development Manager

## CUSTOMER SERVICE

*You are always welcome to give feedback or ask us about our equipment and products.  
Kellfri AB has a policy of continuous product development and therefore reserves the right  
to make modifications, e.g. to the design and appearance of the product, without prior notice.*

08 May 2020

# Kellfri

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Email: [info@kellfri.co.uk](mailto:info@kellfri.co.uk)