

# Chain mulcher



Efficient machines  
for maintaining verges  
and vegetation

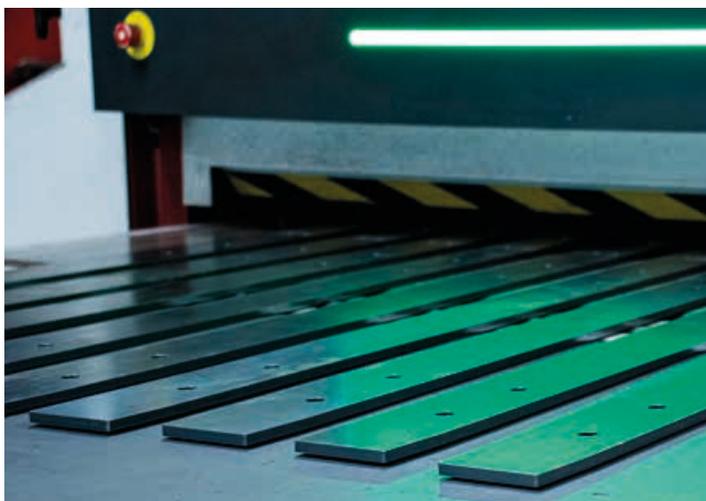


## Contents

FKR-125HY . . . . .	4
FKR-150 . . . . .	6
FKR-150BF . . . . .	8
FKR-152 . . . . .	10
FKR-1501 . . . . .	12
Optional . . . . .	14



# Modern production equipment managed by professionals



## Made in Denmark

A strong combination of modern laser cutting technology and good craftsmanship ensures that our products meet our customers' high demands for durable and robust machines. Since we develop, produce and assemble the machines in our own factory.

This provides a great flexibility for which we have become known for and appreciated by our customers. Having our own production allows us to have a constant overview of each order so that customers receive the correct product on time.

**This is Danish efficiency and quality at its best.**

# FKR-125HY



## Presentation

FKR-125HY is a hydraulically driven chain mulcher for mounting on a cutter arm, excavator, forestry machine or similar. The chain mulcher is mounted with 2 or 4 steel chains (quality G100), which are very durable without being too hard, so they won't crack if they hit a stone or other hard material. The FKR-125HY is very flexible and can work in many difficult positions and angles.

## More powerful features

The heavy-duty wear shoes are made of Hardox 500, and the main frame is built of high-strength steel Domex 420. It is protected with a heavy-duty safety cover. FKR-HY is available in 125 cm working width, but can be made to order in 150 cm working width. With its low dead weight of 340 kg it can be used on smaller crane arms, but is so robustly built that it can also be used on excavators and similar machines. If you want a larger working width and have an arm with a large lifting capacity, you can use the FKR-150HY.

## Technical data:

Model:	FKR-125HY
Working width	125 cm
Number of chains	2 or 4 pcs.
Chain dimensions	10 or 13 mm
Chain quality	G100
Wear shoe	Std.
Power requirement (oil)	90L / 180 bar
Weight	340 kg

# Valuable details



### Oil engine

Machines are fitted with a 64 cc piston hydraulic engine, which requires minimum 90 l/min.



### Front guard

Front guard with a chain fall between the 2 horns is an optional extra.



### Reinforcement

The shield on the machine is built in 5 mm Domex 420 steel plate with reinforcement of profile tubes on top.



### Mounting plate

The mounting plate is standard with 8 holes and a hinge hung up with the possibility of lubrication. The movable plate allows the machine to better follow the terrain.



### Safety label

The chain mulcher is clearly marked with large yellow safety warnings.



### Horn

The powerful horns on each side of the front guide the material into the machine. The horn is prepared for mounting a chain fall.



### Chain head

All Fransgård chain mulchers are fitted with 2 x 10 mm chains as standard. The chains are easily changed by knocking out the 2 pipe splitters.



### Wear shoe, rear

The FKR-125HY is fitted with Hardox-500 wear shoes as standard.



### Wear shoe, front

The large and wide front wear shoes, made of Hardox 500, are designed to easily slide up over tree stumps, etc.



### Rubber guard

Durable rubber cover mounted on the back, which helps to hold the material.

# FKR-150



## Presentation

Despite its distance of 3.25 m from the centre of the tractor, it is a robust and flexible mulcher suitable for working on smaller forest roads and where space is at a premium. It also handles tasks such as ditches, roadside verges, watercourses and windbreaks from 1.5 m to 3.0 m in height. The machine is very flexible with a working angle of 35° downwards and 90° upwards. The chain mulcher's working range is from 2.4 m to 3.4 m from the centre of the tractor.

## High-quality technical solutions

The chain mulcher has 2 or 4 steel chains in G100 quality, which rotate at a speed of 1500 rpm. Power transmission is by belt drive with a three-track powerbelt. In addition to transmitting high power to the work, it absorbs vibrations coming from the chains. The wear shoe is made of Hardox 500 and the main frame is made of Domex 420 high-strength steel. The machine has a standard hydraulic offset adjustment of 90 cm and is driven by a PTO axle and a powerful 3-track powerbelt.

## Technical data:

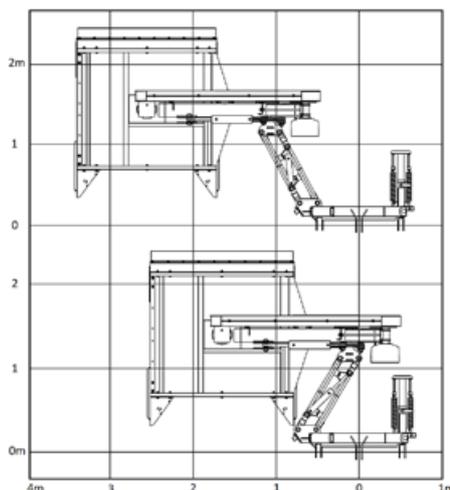
Model:	FKR-150
Working width	150 cm
Offset adjustment	100 cm
Working area	-35° / +90°
Number of chains	2 or 4 pcs.
Chain dimensions	10 or 13 mm
Chain quality	G100
Hydraulic connectors	2 double
Wear shoe	Std.
Power take-off (PTO)	540 rpm.
Tractor weight	min. 4 tonnes
3-point suspension	Cat II/III
Weight	815 kg

# Valuable details



### Chain head

All Fransgård chain mulchers are fitted with 2 x 10 mm chains as standard. The chains are easily changed by knocking out the 2 pipe splitters.



### Working area

Working area chart for FKR-150.



### Cylinder

The powerful cylinder ensures optimal operation of the machine.



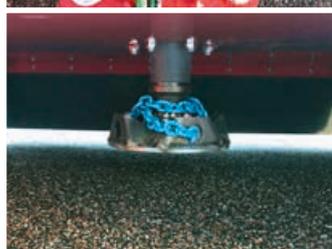
### Cylinder attachment

The cylinder is mounted in an elongated hole so that the machine follows the terrain as closely as possible during work.



### Swivel joint

The greasable swivel joint is mounted on a 75 mm axle and 2 half plates, which are made of special steel and mounted with greasable bolts.



### Gearbox chain head

The chain head is mounted with a steel hub on the gearbox axle, and the axle is well protected by the leg of the steel cast gearbox.



### Gearbox

The gearbox, which is mounted on a reinforced mounting plate, is fitted with a raised vent as standard. The shield on the machine is built in 5 mm Domex 420 steel plate with reinforcement of profile tubes on top.



### Rubber guard

Durable rubber cover mounted on the back, which helps to hold the material.



### Hydraulic offset adjustment

The machine has hydraulic offset adjustment of up to 100 cm.



### Collision protection

To relieve the machine from impact during work, the 3-point suspension has 2 springs that are released and pull the machine back into place.

# FKR-150BF



## Presentation

Chain mulcher FKR-150BF is an efficient machine for mowing/clearing fallow fields, central verges and unwanted tree growth in plantations, etc. The chain mulcher is built for both rear and front mounting on the tractor. FKR-200BF has a fixed 3-point suspension. The large working width of 1.5 m and the possibility to adjust the cutting height makes it perfect for keeping growth down on the forest floor. It is fitted with 2 or 4 steel chains of quality G100, which are very durable without being too hard, so they won't crack if they hit a stone or other hard material. With a speed of 1000 rpm, the machine efficiently breaks down the material it encounters on its way.

## Solid construction in strong materials

The FKR-150BF is fitted with a heavy-duty safety cover to minimise material spillage during operation. It is constructed with heavy-duty Hardox 500 wear shoes and a main frame built from Domex 420 high-strength steel. FKR-BF is available in 150 cm working width. The machine can be laterally offset by up to 35 cm to each side.

## Technical data:

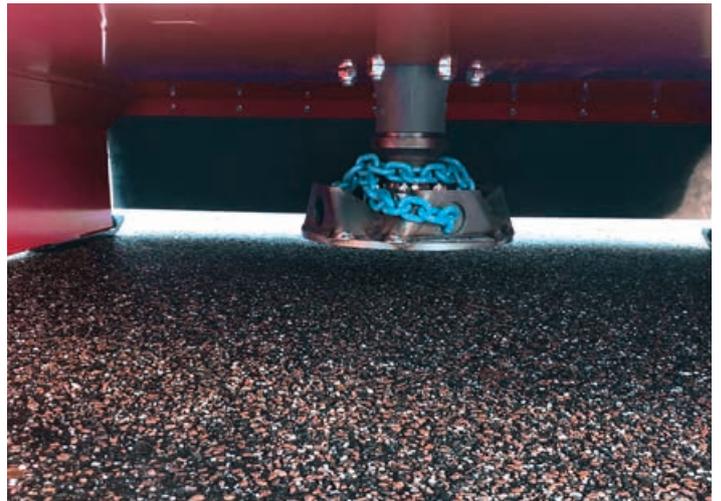
Model:	FKR-150BF
Working width	150 cm
Number of chains	2 or 4 pcs.
Chain dimensions	10 or 13 mm
Chain quality	G100
Wear shoes	Std.
PTO speed	1000 rpm.
Power requirements	70 hp
Offset adjustment, R/L	35 cm
3-point suspension	Cat I/II

## Valuable details



### Chain head

All Fransgård chain mulchers are fitted with 2 x 10 mm chains as standard. The chains are easily changed by knocking out the 2 pipe splitters.



### Gearbox chain head

The chain head is mounted with a steel hub on the gearbox axle. The axle is well protected by the leg of the cast steel gearbox.



### Gearbox

The gearbox is mounted on a reinforced mounting plate, which is fitted with a raised vent as standard. The shield on the machine is built in 5mm Domex 420 steel plate with reinforcement of profile tubes on top.



### Rubber guard

Durable rubber cover helps hold material in place.



### Horn

The powerful horns on each side of the front guide the material into the machine. The horn is prepared for mounting a chain fall.



### Side shift

Machines can be laterally shifted 350 mm to either the right or left side by moving the 3-point suspension on the hot-dip galvanised profile tube without using tools.



### Towing shoes

Large and wide wear shoes in the front of the hardox-500 are designed to slide easily over tree stumps, etc., smaller wear shoes are fitted at the rear.

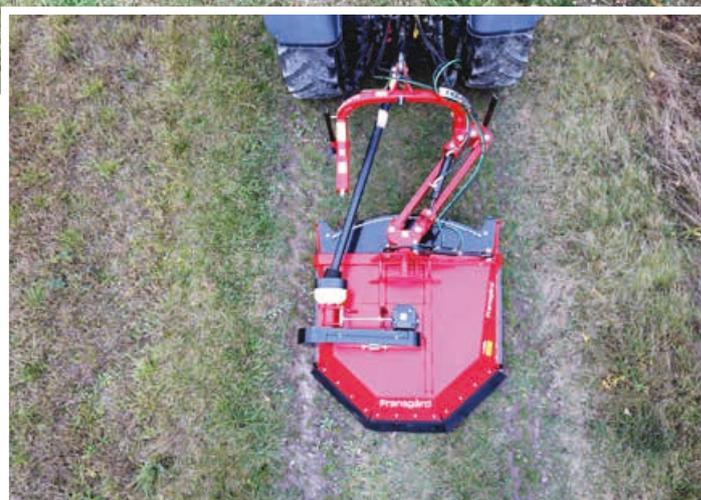


### Rear-mounted

The FKR-150BF comes with a gimbal joint with freewheel as standard, which is rear-mounted for towing. The machine can be set for rear mounting for backwards pushing by swapping the horn and rubber cover.

### Front-mounted

Machine can be converted to front mounting by swapping the horn and rubber guard and replacing the gimbal joint with freewheel at the gearbox. Front gimbal joint is an optional extra (item no. 62208)



## Presentation

The model has been developed in response to requests from customers to develop a chain mulcher that can clear both centre and roadside verges without having to change machines. Our development and production departments have worked hard to meet this requirement, as there is apparently no machine that can do both. The new FKR-152 chain mulcher with swivel arms is the machine to fill this gap.

## Combination of functions creates a flexible solution

With hydraulic swivel arms, the machine can be pushed one metre to the side in relation to the centre position. The chain cutting shield is hydraulically tiltable at an angle of up to 30°, so it can automatically adapt to the terrain. The machine is therefore very suitable for field and gravel roads, narrow forest roads and paths through dense vegetation and changing landscape. Power is transmitted by a three-track powerbelt belt drive, which, in addition to transmitting high power to the work, also absorbs vibrations coming from the chains.

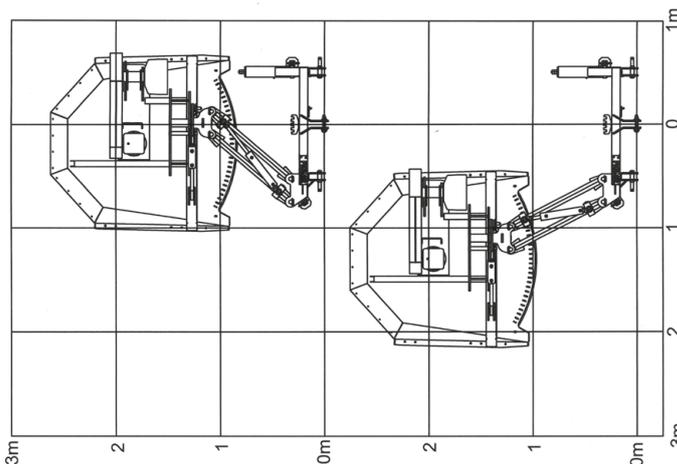
## Technical data:

Model:	FKR-152
Working width	150 cm
Chains mm/number	10/13 mm / 2 pcs.
PTO drive	Yes
PTO speed	540 rpm
Working speed	0-20 km/h
Offset adjustment	115 cm
Weight	675 kg

# Valuable details



**3-point**  
The frame of the 3-point suspension is rolled into a hollow profile, which provides a very high strength to withstand the high loads during work with the machine.



**Working area**  
Work area diagram for FKR-152.



**Cylinder**  
The powerful cylinder ensures optimal operation of the machine.



**Swivel joint**  
The greasable swivel joint is mounted on a 75 mm axle and 2 half bushes, which are made of special steel and mounted with greasable bolts.



**Galvanised bolts.**  
All assembly bolts mounted on the FKR-152 are galvanised.



**Gearbox**  
The gearbox is mounted on a reinforced mounting plate, which is fitted with a raised vent as standard.



**Rubber guard**  
A durable 3-piece rubber cover helps hold the material in place.



**Adjustment bolt**  
The adjustment bolt for the large pulley ensures that you always have a 100% straight drive line on the power belt.



**Locking valve**  
The offset adjustment cylinder has a locking valve with a handle, which is activated during transport and ensures that the machine does not fold out.



**Hydraulic offset adjustment**  
The machine has hydraulic offset adjustment of up to 115 cm.



## Presentation

The chain mulcher can work in many different materials - everything from heavy grass to very dense shrubbery and smaller self-planted trees along forest roads. It can also be used for cutting hedges and branches hanging over roads.

## Large working area with many technical features

The machine works up to 4.55 m from the centre of the tractor and can operate in a vertical position from 0-4 m in height and 35° downwards, where the flexible head allows you to work on both sides of a ditch from the same position (see the working area chart). The machine has an offset adjustment of 1.5 m. The hydraulic cylinder for the mowing head can advantageously be in the floating position during work, as the machine then follows the ground perfectly.

## Technical data:

Model:	FKR-1501
Working width	150 cm
Transport width	250 cm
Offset adjustment	150 cm
Range max.	455 cm (from the centre of the tractor)
Working area down	35°
Working area up	90° (height 0-4 metres)
Number of chains	2 or 4 pcs.
Chain dimensions	10 or 13 mm
Chain quality	G100
Hydraulic connectors	3 double
Wear shoe	Standard
Power take-off (PTO)	540 rpm
Tractor weight	min. 5 tonnes
3-point suspension	Cat III
Weight	910 kg

## Valuable details



### 3-point

The frame of the 3-point suspension is rolled into a hollow profile, which provides a very high strength to withstand the high loads during work with the machine.



### Gearbox, chain head

The chain head is mounted with a steel hub on the gearbox axle. The axle is well protected by the leg of the cast steel gearbox.



### Gearbox

The gearbox is mounted on a reinforced mounting plate, which is fitted with a raised vent as standard.



### Rubber cover

A durable 3-piece rubber cover mounted on the rear helps hold the material in place.



### Adjustment bolt

The adjustment bolt for the large pulley ensures that you always have a 100% straight drive line on the power belt.



### V-belt guard

Ventilated belt guard with a service hole to check if the belt is tightened.



### Ball valve

The lifting cylinder is fitted with a locking valve with a handle, which is activated during transport and ensures that the machine does not swing out.



### Chain head

All Fransgård chain mulchers are fitted with 2 x 10 mm chains as standard. The chains are easily changed by knocking out the 2 pipe splitters.



### Locking valve

The offset adjustment cylinder has a locking valve, which ensures that the machine does not swing out during transport.



### Collision protection

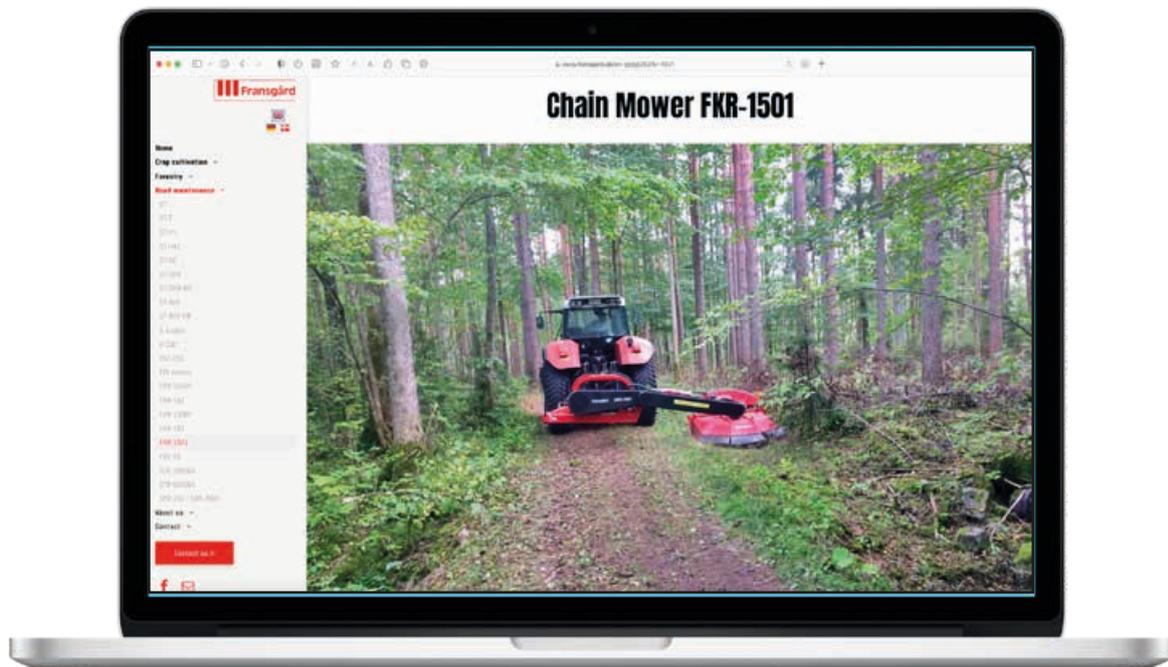
To relieve the machine from impact during work, the 3-point suspension has 3 compression spring that is released and pushes the machine back into place.

# Optional extras - photo gallery



## Optional extras - overview

Item No.	Item and description	FKR-125HY	FKR-150	FKR-150BF	FKR-152	FKR-1501
6111	Tow rails for mounting between front and rear wear shoes.	●	X	X	X	X
6112	Tow rails for mounting between front and rear wear shoes.	X	●	●	X	X
6114	Protective guard with a chain fall for mounting between the 2 horns. Prevent the material from being thrown out of the box.	●	X	X	X	X
6117	Protective guard with a chain fall for mounting between the 2 horns. Prevent the material from being thrown out of the box.	X	●	X	X	X
6119	Chain and wire for front chain fall.	X	X	X	●	X
6130	Hydraulic cylinder to lift the chain fall, allowing large amounts of material to enter the machine more easily. Supplied complete with hoses and pipework.	X	X	X	X	●
6132	Stabilising bracket for mounting on the 3-point suspension to prevent the machine from hanging crooked. Suitable for use with smaller tractors.	X	X	X	X	●
6134	Chain kit 10 mm with bracket and splitter	●	●	●	●	●
6136	Chain kit 13 mm chain bracket and splitter.	●	●	●	●	●
62208	Gimbal joint with freewheel for front mounting	X	X	●	X	X
6148	Set of blades, 125 cm with 3 blades	●	X	X	X	X
6150	Set of blades, 150 cm with 3 blades	X	●	●	●	X



See more details on [www.fransgard.dk](http://www.fransgard.dk)

# Efficient machines for maintaining verges and vegetation



 Made in Denmark

Dealer:

Manufacturer:

Fransgård Maskinfabrik A/S  
Fredbjergvej 132 · DK-9640 Farso  
T: +45 98 63 21 22  
[www.fransgard.dk](http://www.fransgard.dk)

 Fransgård