

1-rotor rakes



R 285 DS / R 315 DS / R 365 DS

R 420 DS / R 460 DS

R+ 420 / R+ 460



Reliable rotors for the JF rakes



JF rakes are built around the solid reliable gearbox and therefore require a minimum of maintenance.

Features:

- Tangential tine arm technology.
- Detachable tine arms.
- Closed cam track.

Benefits:

- Optimal placement of wheels.
- Small transport
- Good ground contour following.
- Flexible swath curtain.

Detachable tine arms

Detachable tine arms means that the rake can be converted into transport position with speed and comfort.

Transport

All the rakes have in spite of their working width a very small transport width. When all tine arms are placed on the tine arm carriers, the transport width is only 1.6 m.

Tine arm carrier

The dismantled tine arms can be placed onto the tine arm carrier.

Tangential tine arm technology

Tangential tine arm technology means that the tine arms are not mounted on the rotor at right angles. The tine arms are placed tangentially in order to ensure gentle treatment of the crop and optimal crop delivery.

The tines

The tines have a thickness of 9 mm and have been treated with "shot peening" in the production. The result is very strong rake tines.



Detachable tine arms.



Small transport and tine arm carrier.



Tangential tine arm technology.



Tine from JF

Articulated 3-point headstock



Rotary rake with good ground contour following.

Features:

- Adjustable working height.
- Perfect ground following and optimal performance.

Benefits:

- Safe transport and smooth driving.

The Articulated 3-point headstock

Articulated 3-point headstock is standard on the JF-STOLL rakes. This ensures excellent ground contour following.

The system ensures that the rake follows the tractor during turns and on uneven ground. When the rake is lifted it automatically moves back and is fixed in neutral position.

The R+ rakes are equipped with a shock absorber which ensures smooth driving and "dampens" the movements when the machine is lifted.



Articulated 3-point headstock is standard.



Working height. The working height is easy to adjust with the practical handle above the headstock.



The articulated 3-point headstock ensures that the rake follows the tractor around corners.

Advantages of 1-rotor rakes by JF



Optimal placement of wheels

The wide axle for the rotor wheels is advanced and close to the tines. This ensures perfect ground following and optimal performance.



Flexible swath curtain

The hard-wearing swath curtain is reinforced by integrated leaf springs and can be adjusted to suit requirements.



Easy folding of swath curtain for transport

The swath curtain can be folded up for transport. The biggest models R/R+ 460 have a strong tension spring to assist the folding.



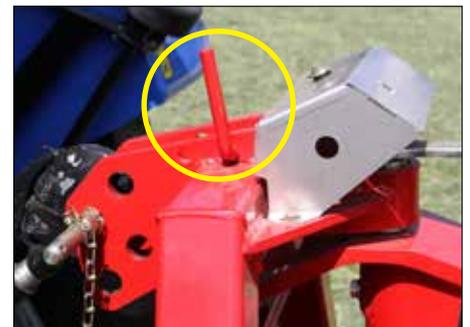
Easy to mount

Mounting to the tractor is easy as the parking stand is connected to the main frame. This frees-up the headstock for rapid mounting/dismounting.



Parking

With tine arms stored above the rake and swath curtain folded vertically, the rake takes up minimum area for storage.



Transport safety

When the rake is lifted it automatically moves back to the middle position. In the middle position (transport position) the 3-point headstock can be locked. This ensures safe transport and smooth driving.



Adjustable swath curtain.



The jack stand is mounted on the main frame.



The tine arms are safely placed onto the tine arm carrier.

Optional equipment



Warning panels (Option).

The rake can be fitted with warning panels and lighting.

Compensation on slopes (Option).

With this special equipment you can keep the rake in correct working position in very hilly areas. (Only the R models).

Support wheel (Option).

On the 3-point headstock a support wheel can be fitted. This wheel can be mounted with a chain instead of the top link. This ensures excellent ground contour following on hilly ground.

4-wheel bogie axle (Option).

The 4-wheel bogie axle enables a smooth operation of the machine, even on undulating terrain.

3-D bogie axle (Option).

To ensure a smooth operation the machine can be equipped with a 3-D bogie axle. The front wheel follows the rake during turns.



3-D bogie axle (Option).



4-wheel bogie axle (Option).



Warning panels (Option).

Strong and powerful R+ rake for intensive use



Gearbox

JF rakes are built around the solid reliable gearbox and therefore require a minimum of maintenance.

Rotor arms

For intensive and very demanding use, JF has developed the R+ rakes whose most important feature is the hard-wearing R+ rotor. The R+ rakes are specified with a number of extra features which make the machine perfect for farmers who make heavy demands on their rake.

Extra flexible headstock

The R+ rakes are equipped with an articulated 3-point headstock which is very flexible during working. When the machine is lifted it is fixed in the middle position and it can be locked for transport.

Shock absorber

Between the linkage and the frame there is a shock absorber which ensures smooth driving on uneven ground.

R+ rotor

The R+ rotor is developed for demanding and intensive use. The rotor arms have maintenance-free ball bearings at both ends. They are made of solid steel and the fixing on the rotor is reinforced.

Closed cam track

A steel guard protects the cam track from the ingress of grass. This protects the cam track against wear.



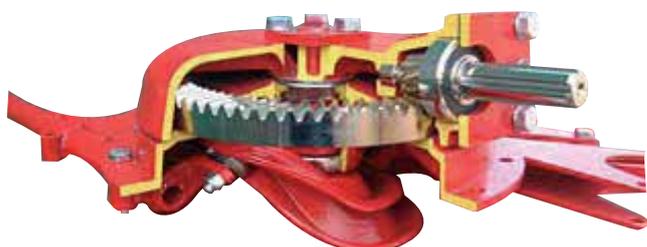
Shock absorber.



R+ rotor.



Ball bearings at both ends of the rotor arm.



Solid reliable gearbox.



Solid rotor arm.



Closed cam track.

Technical data



	R 285 DS	R 315 DS	R 365 DS
Working width	2,90 m	3,15 m	3,60 m
Rotor diameter	2,40 m	2,65 m	2,95 m
Tine arms per rotor/double tines per rake arm	8/3	9/3	10/4
Detachable tine arms	Yes	Yes	Yes
Transport width	1,60 m	1,60 m	1,60 m
Tangential tine arm control	Yes	Yes	Yes
Type of mounting	3-point headstock	3-point headstock	3-point headstock
Closed cam track	-	-	-
Support wheel at 3-point headstock	Option	Option	Option
Tractor, minimum	15 kW / 20 HP	15 kW / 20 HP	18 kW / 25 HP
Power take-off, RPM	540	540	540
Advanced wide-track axle	Yes	Yes	Yes
Central height adjustment	Yes	Yes	Yes
3-D bogie axle	-	-	Option
4-wheel bogie axle	-	Option	Option
Shock absorber	-	-	-
Wheels	16/6.5-8	16/6.5-8	16/6.5-8
Weight	275 kg	340 kg	405 kg

	R 420 DS	R+ 420	R 460 DS	R+ 460
Working width	4,15 m	4,15 m	4,45 m	4,45 m
Rotor diameter	3,20 m	3,20 m	3,50 m	3,50 m
Tine arms per rotor/double tines per rake arm	12/4	12/4	12/4	12/4
Detachable tine arms	Yes	Yes	Yes	Yes
Transport width	1,6	1,9	1,9	2,25
Tangential tine arm control	Yes	Yes	Yes	Yes
Type of mounting	3-point headstock	3-point headstock	3-point headstock	3-point headstock
Closed cam track	Yes	Yes	Yes	Yes
Support wheel at 3-point headstock	26 kW / 35 HP	26 kW / 35 HP	33 kW / 45 HP	33 kW / 45 HP
Tractor, minimum	540	540	540	540
Power take-off, RPM	Option	Option	Option	Option
Advanced wide-track axle	Yes	Yes	Yes	Yes
Central height adjustment	Yes	Yes	Yes	Yes
3-D bogie axle	Option	Option	Option	-
4-wheel bogie axle	Option	Option	Option	Yes
Shock absorber	-	Yes	Yes	Yes
Wheels	18/8.5-8	18/8.5-8	16/9.5-8	18/8.5-8
Weight	450 kg	570 kg	526 kg	650 kg

