

**JF-STOLL**

## Single rotor rakes

Working width 2.90 - 4.45 m





R 420 DS

## Reliable rotors for the JF-STOLL rakes

JF-STOLL single rotor rakes are built around the solid reliable gearbox and therefore requires a minimum of maintenance.



### Tangential tine arm technology

The tangential technology means that the tine arms don't have right angles to center of the rotor. This ensure that the tine arms are placed optimally according to optimal delivery and gentle treatment of the grass.



### Covered cam track

A steel shield protects the cam track from the ingress of grass. A simple lever adjusts the cam track timing, allowing intricate set-up for all conditions.



### Detachable tine arms

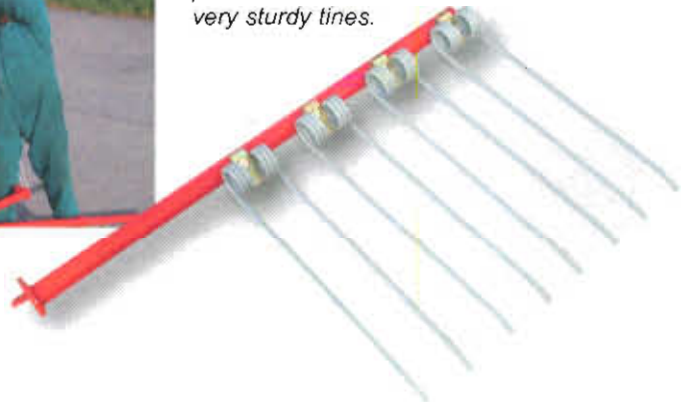
Detachable tine arms mean that the rake quickly and easily can be converted into transport position.



### Tine arm carrier

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

*The tines have a thickness of 9 mm and are blasted with small steel balls during production. This ensures very sturdy tines.*



# Single rotor rakes

## Single rotor rake

### R 285 DS

Working width: 2.90 m

### R 315 DS

Working width: 3.15 m

### R 335 DS

Working width: 3.40 m



## Single rotor rake

### R 370 DS

Working width: 3.60 m

### R 420 DS

Working width: 4.15 m

### R 460 DS

Working width: 4.45 m

*The photo shows R 460, which is equipped with shock absorber and spring for easy folding.*



## Trailed single rotor rake

### R 420 AS Hydro

Working width: 4.15 m

*The bogie axle and support wheel are extra equipment.*





R 420 DS

## Single rotor rakes with good ground contour following

The articulating 3-point headstock is standard on the rakes from JF-STOLL. In that way the rake can follow the ground independently of the fixed 3-point headstock.

The system also ensures that the rake follows the tractor into curves, which gives sufficient space for curve passages and uneven fields. When lifting the rake automatically swings into the neutral centre position where it is locked. The R 460 DS have a shock absorber which absorbs the movement when lifting.



*The articulating headstock is standard.*



*The articulating 3-point headstock is designed so that the rake follows the tractor around corners*



### Working height

The working height can easily be adjusted with convenient handle near the suspension.

R 370 DS



### Optimal positioned axle

The axle is wide and placed in front of the rotor head, which results in perfect contour following and therefore a good performance.



### Flexible swath curtain

The flexible swath curtain is made of solid canvas. It is reinforced by integrated flat springs and can be adjusted to suit requirements.



### Swath curtain slightly lifted for transport

The swath curtain is folded above the machine for transport. The R 460 has a spring to assist the folding (Photo).



### Easy to mount

The rakes are easy mounting to the tractor, as the parking stand is connected to the main frame. This frees-up the headstock for rapid mounting/dismounting. The R 420 AS Hydro (trailed rake) has an other kind of parking stand.



### Parking position

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



### Transport safety

When the rake is lifted, it automatically swings into the central position. In transport position the articulating headstock can be fixed. This ensures safe transport and smooth driving. (Not R 420 AS Hydro).

R 370 DS



# Trailed single rotor rakes – easy to manoeuvre

R 420 AS Hydro is the trailed version of the JF-STOLL single rotor rake. This rake has the same rotor with full cover cam track as the liftmounted version of the R 420.

To adjust the working height the trailed version uses a cylinder placed at the suspension drawbar, instead of the tractor link arm



## Suspension with parking stand

The R 420 AS Hydro with drawbar suspension has an integrated parking stand, which makes it easy to mount the machine to the tractor.



## Adjustment of working height

The working height can be adjusted via a spindle on the hydraulic cylinder on the drawbar, and the hydraulic cylinder on the wheel suspension.



## Hydraulic rotor lifting

R 420 AS Hydro is equipped with hydraulic rotor lifting for headland turns and transport.



## Bogie axle (Option)

A bogie axle is available for R 420 AS Hydro, which optimizes the ground following. During transport the bogie is automatically lifted from the ground.



## Support wheel (Option)

A special support wheel can be mounted on R 420 AS Hydro. This ensures even better ground following in hilly areas.

R 420 AS Hydro



# Transport

All the rakes have in spite of the working width a narrow transport width. When all the detachable tine arms are placed in the line arm holder the transport width is only 1.60 m (R 460 DS 1.90 m).



R 285 DS in transport - with both dismantled and mounted tine arms.

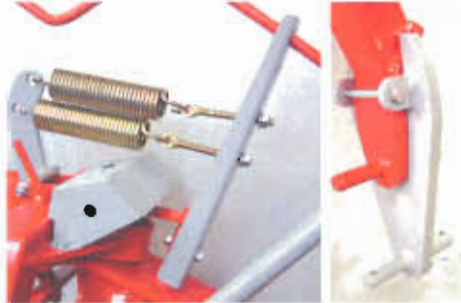


# Extra equipment



## Warning panels

The rake can be equipped with special warning boards and lights as option.



## Compensation on slopes

With a special equipment you can keep the rake in correct working position in very hilly areas. (Not available for R 420 AS Hydro).



## Support wheel for curves

At the 3-point headstock a support wheel can be supplied as option. The top link can be replaced with a chain, which ensures fully movement. (Not available for R 420 AS Hydro).



## 4-wheel tandem axle

A 4-wheel tandem axle can enable smooth operation of the machine, especially on undulating terrain. (Not available for R 420 AS Hydro).



## 3-D bogie axle

To enable a smooth operation the machine can be equipped with a 3-D bogie axle. The extra front support wheel is suspended in a pivoting way. (Not available for R 420 AS Hydro and R 460 DS).



## Twin axle wheels (420 AS-Hydro)

Twin axle wheels are available for the R 420 AS-Hydro. This offers advantages for wet meadows.

## Technical data

	R 285 DS	R 315 DS	R 335 DS	R 370 DS
Working width	2.90 m	3.15 m	3.40 m	3.60 m
Diameter of the rotor	2.40 m	2.65 m	2.90 m	3.00 m
Tine arms per rotor/Double tines per rake arm	8/3	9/3	10/4	10/4
Detachable tine arms	Yes	Yes	Yes	Yes
Transport width	1.60 m	1.60 m	1.60 m	1.60 m
Tangential line arm control	Yes	Yes	Yes	Yes
Type of mounting	3-point headstock	3-point headstock	3-point headstock	3-point headstock
Hydraulic lifting	-	-	-	-
Covered cam track	-	-	-	Yes
3rd wheel at 3-point headstock/drawbar	Option	Option	Option	Option
Tractor, min	15 kW/ 20 HP	15 kW/ 20 HP	17 kW/ 23 HP	18 kW/ 25 HP
Wide-angle PTO	-	-	-	-
Rotary speed PTO	540 rpm	540 rpm	540 rpm	540 rpm
Advanced wide-track axle	Yes	Yes	Yes	Yes
Central height adjustment	Yes	Yes	Yes	Yes
3-D tandem bogie axle	-	-	Option	Option
4-wheel bogie axle	-	-	Option	Option
Shock absorber	-	-	-	-
Tyres	15/6.00-6	15/6.00-6	16/6.8-8	16/6.8-8
Weight	275 kg	340 kg	390 kg	390 kg

	R 420 DS	R 420 AS Hydro	R 460 DS
Working width, m	4.15	4.15	4.45
Diameter of the rotor, m	3.20	3.20	3.50
Tine arms per rotor/Double tines per rake arm	12/4	12/4	12/4
Detachable tine arms	Yes	Yes	Yes
Transport width, m	1.60	1.60	1.90
Tangential line arm control	Yes	Yes	Yes
Type of mounting	3-point headstock	Trailed	3-point headstock
Hydraulic lifting	-	Yes	-
Covered cam track	Yes	Yes	Yes
Tractor, min	26 kW/ 35 HP	26 kW/ 35 HP	33 kW/ 45 HP
Wide-angle PTO	-	Yes	-
Rotary speed PTO	540 rpm	540 rpm	540 rpm
3rd wheel at 3-pt headstock/drawbar	Option	Option	Option
Advanced wide-track axle	Yes	Yes	Yes
Central height adjustment	Yes	Yes	Yes
3-D tandem bogie axle	Option	-	-
4-wheel bogie axle	Option	Option	Option
Shock absorber	-	-	Yes
Tyres	18/8.5-8	18/8.5-8	16/9.9-8
Weight	450 kg	450 kg	526 kg

Some photos may show products with additional equipment. See price list for current standard and additional equipment. We reserve the right to change the construction and specification details without notice. Printer's errors excepted.

Dealer

Staalmeester Imports & Exports  
 Physical Address: no 2 Coetzee str, Hartbeesfontein, Klerksdorp, 2600  
 Telephone: (+27) (18) 431 - 0300 / 431 - 0693 / 431 - 2171 / 2  
 Fax: (+27) (18) 431 - 0185  
 For sales related please contact us at: sales@staalmeester.co.za  
 For general information please contact us at: info@staalmeester.co.za

# JF-STOLL

JF-Fabriken · J. Freudendahl A/S  
 Linde Allé 7 · Postbox 180  
 DK-6400 Sønderborg · Denmark  
 Tlf. +45 74 12 52 52 · Fax +45 74 42 58 08  
 www.jf-stoll.com