

**JF-STOLL**

## Rakes with two rotors

Side-delivery and center swath rakes  
Working width 3.6 - 8.0 m





## Reliable rotors for the JF-STOLL rakes

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



### Tangential line arm technology

The tangential technology means that the tine arms don't have 90° angles to center of the rotor. This ensures that the tine arms are placed optimal according to delivery and gentle treatment of the grass.



### Covered cam track

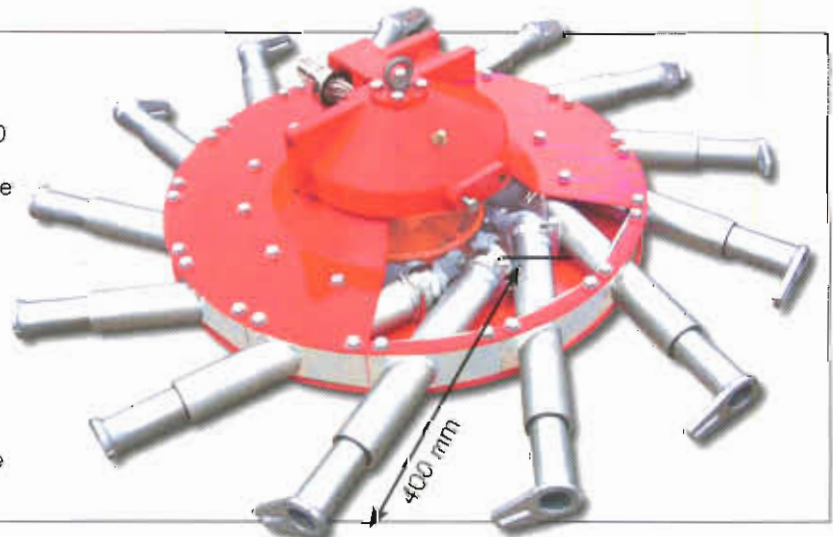
The cam track and transmission are shielded from grass by means of a steel cover. There is also an adjustment of cam track timing, another vital feature for the best possible swath formation.

### Rotors for the Pro-series

The rotors for the Pro-series use another kind of cam track which has a large distance between bearings (400 mm). This ensures extra strength for heavy use of the rake. The cam track housing is sealed from dust and the hermetically closed transmission is filled with semifluid grease.



*The tines on the Pro-series are shaped to make an even more perfect swath. The rake arms are also twisted to optimize the pitch.*



# 2-rotor rakes

## Side delivery rakes with Multi Link frame

### R 1405 S

Working width: 3.6 - 6.35 m  
Type: Side delivery  
Mounting: Trailed

### R 1405 SB

Working width: 3.6 - 6.35 m  
Type: Side delivery  
Mounting: Trailed



## Center swath rakes - working width up to 6.5 m

### R 655 DS

Working width: 6.15 - 6.55 m  
Type: Center delivery  
Mounting: Lift mounted

### Drive 655 ASL

Working width: 6.35 - 6.55 m  
Type: Center delivery  
Mounting: Trailed



## Side delivery rakes and center swath rakes - working width from 6.5 m

### R 1605 S

Working width: 3.9 and 6.9 m  
Type: Side delivery

### S 1810 Pro

Working width: 7.90 m  
Type: Side delivery

### R 760

Working width: 6.5 - 7.6 m  
Type: Center delivery

### M 800 Pro

Working width: 7.4 - 8.0 m  
Type: Center delivery



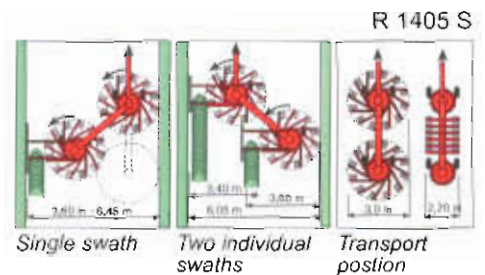


R 1405 S

## Side delivery rakes with Multi Link frame

The side delivery rakes with Multi Link frame are characterized by high manoeuvrability and the variable working width. The variable working width can be changed during work. This also makes it possible to make one single swath or two single swaths depending on wishes. The wheels are placed under the rotors and in that way the lateral incline of the rotor can be modified for both rotors separately.

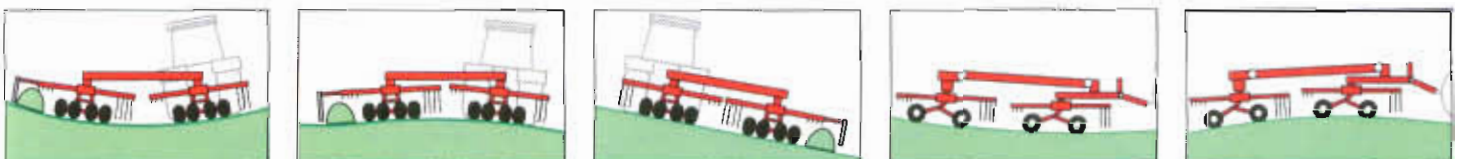
The machine does have a range of extra equipment and wheel solutions, which makes it possible to work under all conditions



### High manoeuvrability and safety on slopes

The Multi Link frame ensures the machine easy adaption to the ground. The lateral inclination of the rotor can be modified for both rotors separately. R 1405 S is not only for use on flat fields, but also on slopes and even on ridge and furrow by means of its construction where no other side delivery rake succeeds. Most important is the low centre of gravity and the multi Link suspension of the rotors. With R 1405 S you work safely everywhere.

R 1405 S



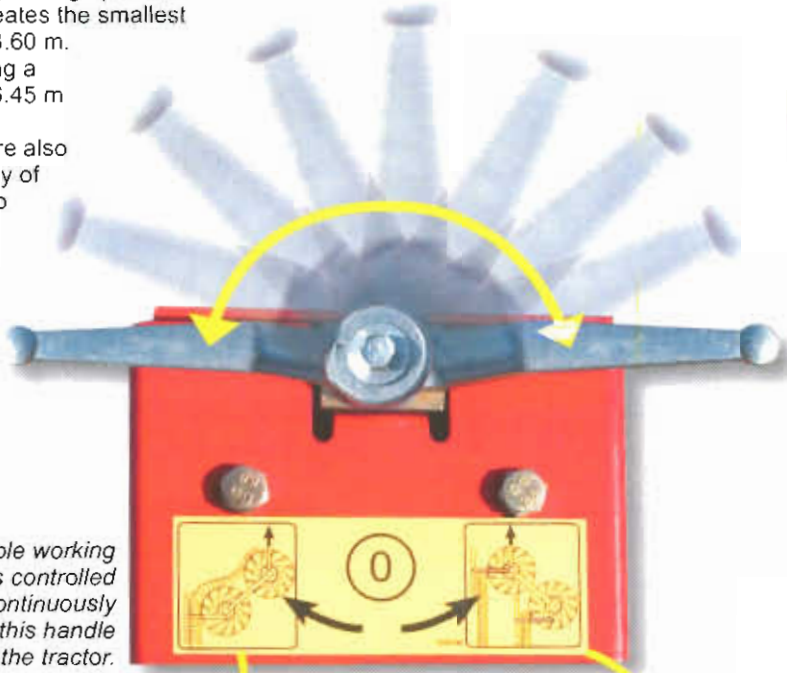
# Variable working width - adjustment during operation

## Adjustable from the driver's seat

With a hydraulic handle it is possible to steer the rear rotor from the driver's seat and thus adjust the working width continuously during operation.

In line working creates the smallest working width of 3.60 m. Fully offset working a working width of 6.45 m is achieved.

This unique feature also gives the possibility of making one or two single swaths.



The variable working width is controlled hydraulically continuously with this handle placed in the tractor.



With the hydraulic handle it is possible to change the working width during operation.



The variable working width makes it very easy to avoid collisions with hedges, stones and similar.



## One single swath

With this system for side raking it is possible to reach high performance and make a big swath even with small tractors. Working width for single swaths is 3.60 m up to 6.45 m.



## Two single swaths

It is also possible to make 2 single swaths/ night swaths, depending on wishes. A second swath board is optional.



## Turning the swaths

In areas with high humidity at night, it may be necessary to turn the swaths again. That is no problem with this type of rake.

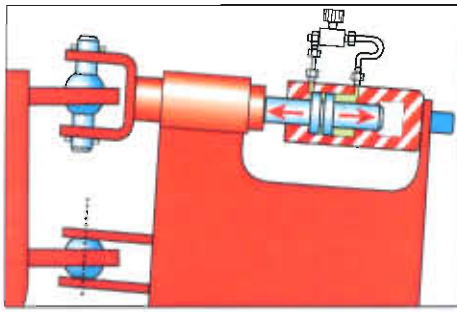


R 1405 SB



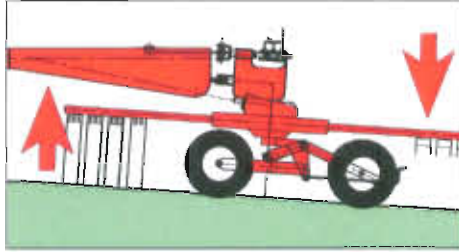
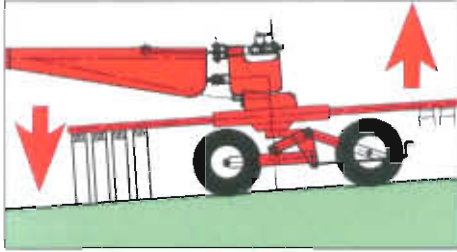
## Second swath board (option)

For 2 individual swaths, a further swath board is available. For the second swath curtain there is also a special swath board holder for transport.



## Cardanic for the rear rotor (option)

On uneven ground, these side rakes can be equipped with an extra cardanic suspension. With this equipment the rear rotor can move to all directions (from the front to back and from left to right) which means that it follows the ground contours. This is most important in uneven terrain. The intensity of efficiency is adjusted hydraulically. Tandem double wheels are necessary when using Cardanik.



# R 1405 SB with automatic steering for sharp bends

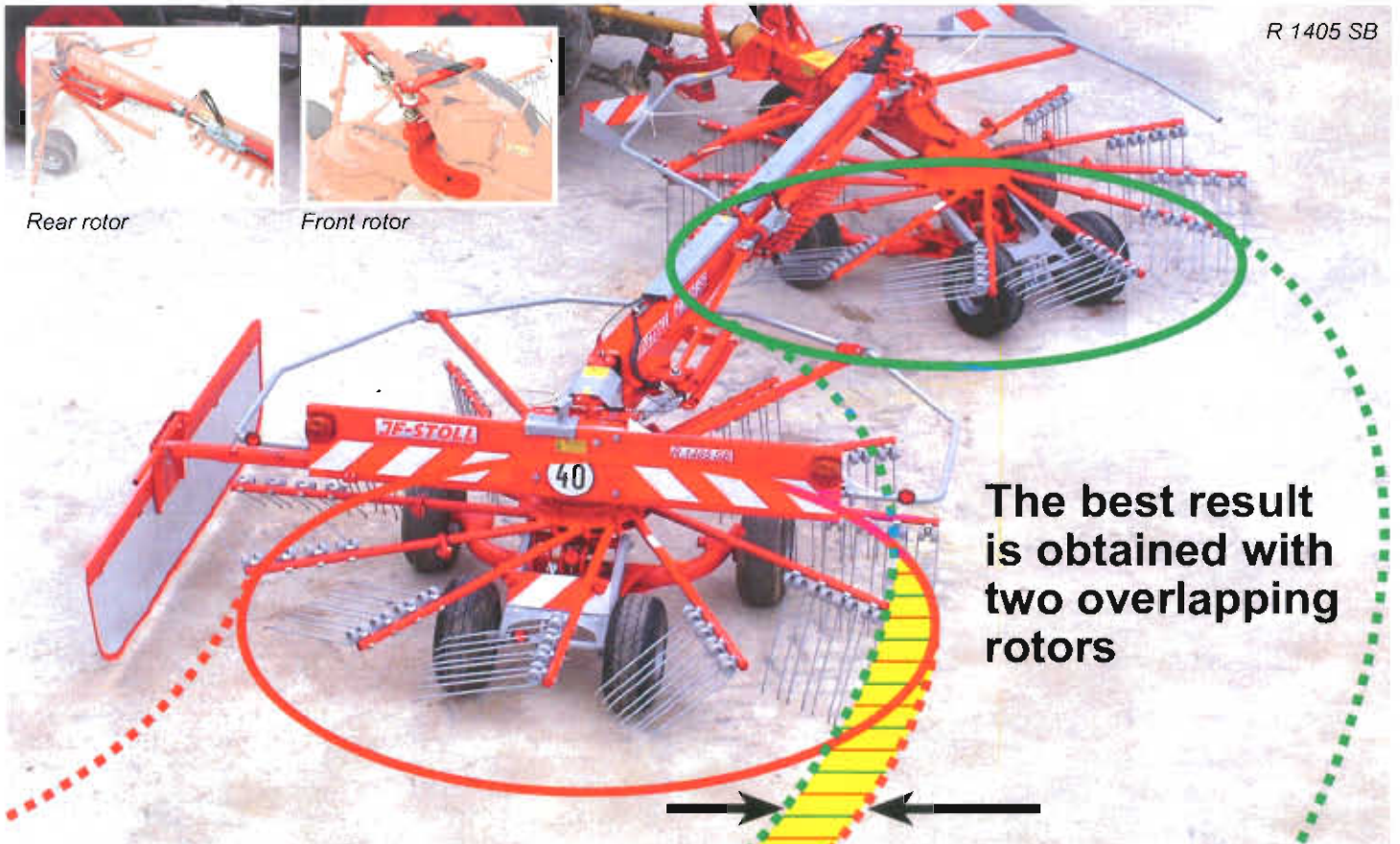
When working in fields with sharp bends and headland turns, the R 1405 SB is the correct machine. R 1405 SB regulates the movement of the rake behind the tractor with automatic steering.

With sharp bends you normally have to steer the rear rotor hydraulically to avoid crop between the rotors. With R 1405 SB this is not necessary. The machine uses the automatic steering to automatically equalize the distance between the rotors,

and the tractor driver is relieved when driving in fields with many sharp bends and turns.



*R 1405 SB - perfekt for sharp bends.*



R 1405 SB



Rear rotor



Front rotor

**The best result is obtained with two overlapping rotors**

# Quick lifting and safe transport



Safe and quick transport between fields and on roads. The machine is equipped with warning panels and lights as standard, and the rear swath board lifts up automatically

Quick transport to the next field is no problem with mounted tine arms and a rotor diameter of 3 m. In need of a smaller transport width the tine arms can be detached. The transport width will then only be 2.20 m.



With the tine arms mounted the rotor diameter is only 3 m.



With the tine arms detached the transport width will only be 2.2 m.



## Hydraulic lifting of the rotors

Lifting at headlands or for transport is controlled hydraulically from the tractor. When the tines are lifted up it gives a 45 cm clearance from the ground.



This makes it easy to pass swaths at the headland, and makes it quick to change for transport position when going to the next field.



## Tine arm transport carrier

Storage of line arms for safe transport without impediment of rearward view.

## Extra equipment for R 1405 S/SB



### Tandem double wheel (option)

The rear rotor can be equipped with the optional tandem double wheel. High volume wheels 18/8.5-8 ensure highest degree of safety for all 4 wheels under most difficult conditions. The tandem double wheel can also be supplied for the front rotor. Tandem double wheel is necessary when using Cardanik.



### Twin tandem wheels (option)

With twin tandem wheels there are virtually no limits to where you can operate. This is advantageous in wet fields and on slopes. The machine follows the tractor in a perfect way.



### Support wheel (option)

Constant working depth can be reached by means of the additional support wheel for the front rotor.

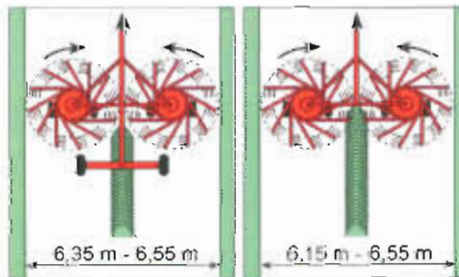


Drive 655 ASL - a centre swath rake with transport frame

## Centre swath rakes

- working width up to 6.5 m

The 655-series consist of centre swath rakes, which gives you the possibility of high capacity even with smaller tractors. The rakes are easy to manoeuvre and can be adjusted according to the conditions. With the choice between a trailed version, R 655 ASL, or suspended version, R 655 DS, you can have a rake, which matches any tractor you have.



Trailed centre swath rake  
• Drive 665 ASL

Liftmounted centre swath rake  
• R 655 DS



R 655 DS - a liftmounted centre swath rake.



### Swinging rotor suspension

The rotors are suspended in a cardanic way. This results in a good adaptability to the ground.



### Adjustment of working depth

The working depth is easy to adjust continuously by a manual handle. This ensures the possibility to adjust the rake for the working conditions.



### Pre-selectable adjustment of working width

The working width of the centre swath rakes can be pre-selected. R 655 DS has three settings of working width (6.15 m / 6.35 m / 6.55 m). Drive 655 ASL has two settings of working width (6.35 m / 6.55 m).



### Quick lifting device for headland turns

For headland turns the rotors are lifted hydraulically into an intermediate position.



### 4-wheel tandem axle (option)

For hilly ground it is possible to equip the rake with a 4-wheel tandem axle. This ensures smooth working.



### 3D-bogie axle (option)

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.

## Trailed rake (R 655 ASL)



### Auto rear steering

The connection to the tractor is via the lower links only. This facilitates the auto rear steering, which is designed for optimal operation in the field and safety in transport.



With the progressive active steering even the tightest turns can be made safely. As standard tyres 10.0/80-12 (6PR) are supplied.



### Strong parking stand

For parking a strong quick release stand is employed.

## 3-point suspended (R 655 DS)

R 655 DS is a 3-point mounted center rake. The headstock is articulating in order to follow field boundaries independently of the fixed 3-point headstock ①. When lifting, the rake swings automatically in center position ②. The system can be locked for transport.

Parking stands are provided for safe storage when disconnected from the tractor. The swath board can also be turned up for transport.



R 655 DS



R 655 DS is a 3-point mounted center rake, with a working width of 6.15, 6.35 and 6.55 m.



S 1810 Pro

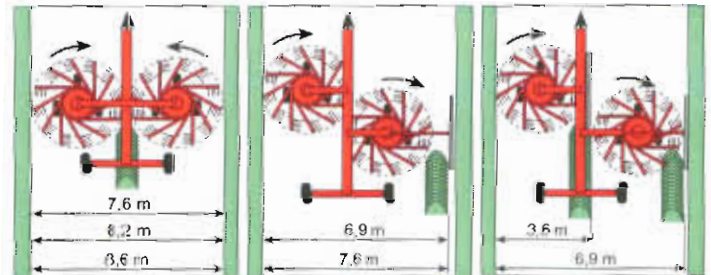
# High capacity rakes with drive chassis

## - working width from 6.5 m

For working width of more than 6.5 meter, you need a high capacity rake with drive chassis. These rakes are equipped with the best technology for grass in all condition. The rakes have big working widths and high capacity, and still the ground pressure is low. With the auto rear steering even tightest turns can be made safely, and you save time on headland turns.

The rakes are available both as side and centre swath rakes. For extreme and intensive use JF-STOLL has constructed the Pro-series. The Pro-series have rotors and a drive chassis, which are even stronger proportioned.

*The high capacity rakes with drive chassis are available in several variation and sizes depending on wishes.*



Centre swath rake with drive chassis  
 • R 760  
 • M 800 Pro

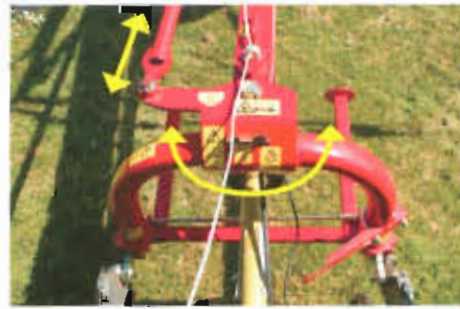
Side delivery rake with drive chassis  
 • R 1605 S  
 • S 1810 Pro

Side delivery rake with drive chassis  
 • R 1605 S (requires additional equipment)



### Suspension

The connection to the tractor is via the lower links only. This facilitates the auto rear steering.



### Auto rear steering

The auto rear steering is designed for optimal operation in the field and safe transport.



With the progressive active steering even the tightest turns can be made safely. As standard tyres 10.0/75-15.3 (8PR) are supplied. 13.0/55-16 is an optional.



**Adjustment of working depth**  
Simply carried out by manual remote handle – infinite adjustment



**Forward inclination**  
The forward incline of rotors can be adjusted according to the ground conditions.

## Rotor unit designed with 3-wheel multi-touch chassis

The rotor units are constructed with a 3-wheel multi-touch chassis that is suspended in a cardanic way. In addition the front wheel of the chassis is suspended in a pivoting way. These features ensure perfect adaptability to the ground. It is also possible to adjust the rotor unit in several ways. Both the working height, the pitch, the forward and sideways inclination can be adjusted and in that way the machine can be optimized to the conditions.



**Incline of the pitch**  
Easy and quick adjustment of the cam track and the pitch of the rotors.



**Sideways inclination**  
The lateral incline of rotors can easily be adjusted at the wheel.

## Pro-series

The tine arms of the Pro-series have a larger intervention (400 mm). The cam track housing is sealed and shielded from dust. This ensures extra strength for heavy use of the rake. The Pro-series has a practical handle, which makes it easy to adjust the inclination of the pitch.



*A practical handle to adjust the inclination.*



*The Pro-series with larger intervention.*



### Detachable tine arms

A neat solution for transport and long term storage.



### Strong parking stand

For parking a strong quick release stand is employed.



### Quick lifting for headland turns

All the rakes have quick lifting for headland turns. This gives a 50 cm clearance to the ground, which makes headland turns easy and ensures fast beginning of the next swath.

## Side delivery rakes



R 1605 S



### Two separate swaths (Option for R1605 S only)

For producing 2 separate swaths the R 1605 S can be equipped with a second canvas for the front rotor. This canvas is automatically lifted and lowered by means of the hydraulics concurrently with the lowering and raising of the rotors.

Second canvas for the front rotor.



S 1810 Pro is a side delivery rake with a working width of 7.90 meter.



## Centre swath rake

For making centre swaths JF-STOLL has several high capacity rakes, with a working width up to 8 meter.

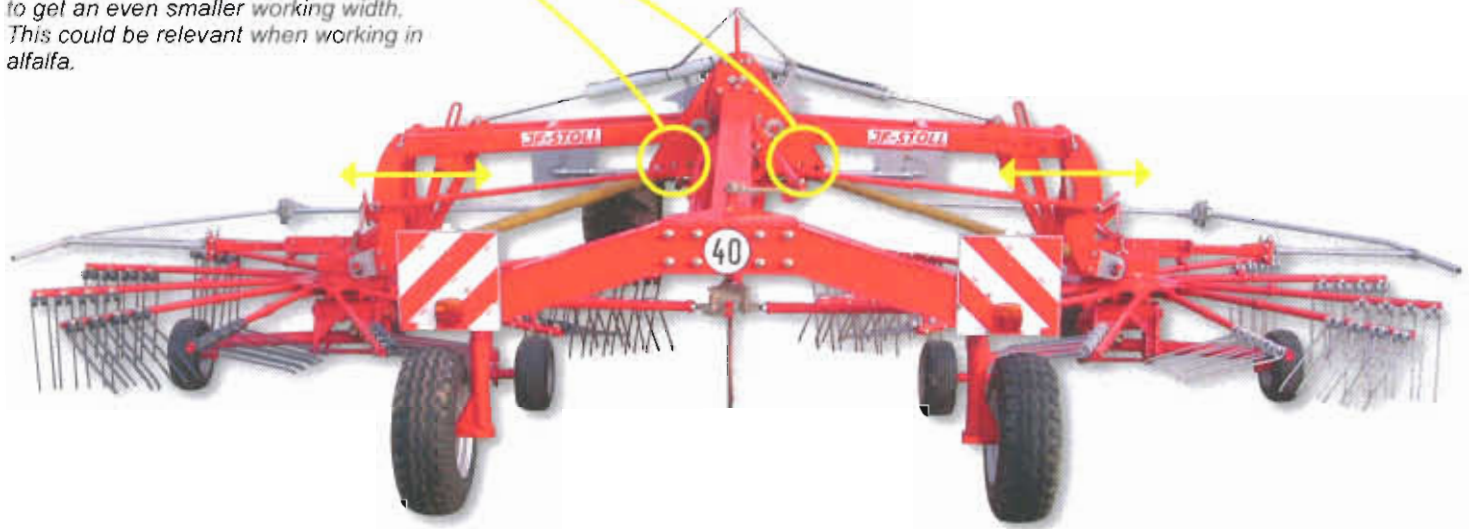
The drive chassis has big clearance for even larger swaths. This ensures a good flow during operation and smooth driving at headland turns.



All centre swath rakes have variable working width. On R 760 you can remove the canvas and use the hole to get an even smaller working width. This could be relevant when working in alfalfa.



M 800 Pro - centre swath rake with a working width of 8 meter.



R 760 - centre swath rake



# Always narrow transport width

All the JF-STOLL rakes have been developed for effective work. That also means safe and quick transport from field to field and on public roads. In transport the rotors are lifted and folded into a vertical position. For a lower transport height, 2 x 5 tine arms are to be taken down and put into the transport carrier. No rakes have a transport width of more than 3 meters, and the transport height can be minimized if required.

See the technical datasheet for specific transport width and height.



## Dismount the tine arms for low transport height

For low transport height the tine arms can be dismounted and placed into holders in the transport carrier.



## Warning panels and light set

Warning panel and light set are standard for all 2-rotor rakes. (not R 655 DS).



M 800 Pro



## Hydraulic folding for transport

All the rakes can from the tractor hydraulically be set to transport position.



## Quickly reduce the height of the safety guards

It is possible quickly to reduce the transport height by folding up the safety guards in different ways. (Photo S 1810 / M 800 Pro)



R 760



Drive 655 ASL



R 655 DS

R 1605 S in transport position



S 1810 Pro

# The JF-STOLL Product Range - from field to stable



1  
JF-STOLL has mowers for all types of grass crops.



2  
JF-STOLL mowers have a working width from 1.7 m and up to 14.5 m. They can wide spread and make single or double swaths.



3  
JF-STOLL has developed the first trailed triple-mower combination, which has a working width of 14.5 m.



4  
JF-STOLL manufactures rotary tedders from 4.5 to 9 m working width.



5  
JF-STOLL also manufactures rotary rakes in the sizes 2.9 m to 8 m.



6  
The JF-STOLL Precision Chop Forage Harvesters are available with 1.6-3.1 m pick-up as well as direct-cut headers and maize headers.



7  
The Precision Chop Forage Wagon from JF-STOLL is one-man operated and provides possibility of high capacity.



8  
JF-STOLL's range of Complete Diet Mixers consists of both paddle and vertical mixers with cubic capacities from 6.5 to 45 m<sup>3</sup>



9  
With JF-STOLL from field to stable both the technical and the financial result are optimized.

## Technical data

	R 1405 S	R 1405 SB	R 655 DS	Drive 655 ASL
Type of rake	Side delivery	Side delivery	Central delivery	Central delivery
Working width	3.6-6.35 m	3.6-6.35 m	6.15-6.55 m	6.35-6.55 m
Number of swaths	1 or 2	1 or 2	1	1
Diameter per rotor	3.0 m	3.0 m	2.9 m	2.9 m
Tine arms per rotor / double lines per line arm	12/4	12/4	10/4	10/4
MIN-trans detachable line arms	Yes	Yes	Yes	Yes
Tangential line arm control	Yes	Yes	Yes	Yes
Type of suspension	Trailed	Trailed	Mounted	Trailed
Covered cam track	Yes	Yes	-	-
Closed transmission with semi-fluid lubrication	-	-	-	-
3. wheel at 3-pt headstock optional	Option	Option	Option	-
Advanced wide-track axle	Yes	Yes	Yes	Yes
3-D tandem bogie axle	-	-	Option	Option
4. wheel bogie axle	-	-	Option	Option
Tandem double wheel	Option	Option	-	-
Drive chassis	-	-	-	Yes
Transport width	2.2-3.0 m	2.2-3.0 m	3.0 m	2.95 m
Active steering of the frame	-	Yes	-	Yes
Central cardanic suspension	Option	Option	-	-
Tyres: rotors	18/8.5-8	18/8.5-8	16/6.5-8	16/6.5-8
Tyres: chassis	-	-	-	10/80-12-6PR
Tyres: chassis, alternative	-	-	-	-
PTO	540 RPM	540 RPM	540 RPM	540 RPM
Hydraulic control	1S + 1D	1S + 1D	1S	1S
Tractor, min	30 kW/40 HP	30 kW/40 HP	44 kW/60 HP	30 kW/40 HP
Weight	1220 kg	1370 kg	857 kg	975 kg

	R 1605 S	R 760	S 1810 Pro	M 800 Pro
Type of rake	Side delivery	Central delivery	Side delivery	Central delivery
Working width	3.9 and 6.9 m	6.5-7.6 m	7.9 m	7.4-8.0 m
Number of swaths	1 or 2	1	1	1
Diameter per rotor	3.2 m	3.2 m	3.8 m	3.5 m
Tine arms per rotor / double lines per line arm	12/4	12/4	13/4	13/4
MIN-trans detachable line arms	Yes	Yes	Yes	Yes
Tangential line arm control	Yes	Yes	Yes	Yes
Type of suspension	Trailed	Trailed	Trailed	Trailed
Covered cam track	Yes	Yes	Yes	Yes
Closed transmission with semi-fluid lubrication	-	-	Yes	Yes
3 wheel multi-touch chassis	Yes	Yes	Yes	Yes
Drive chassis	Yes	Yes	Yes	Yes
Transport width	2.82-2.98 m	2.92-2.99 m	2.82-2.98 m	2.82-2.96 m
Transport height without/with rake arms	3.40/4.00 m	3.50/4.20 m	3.45/4.36 m	3.55/4.00 m
Active steering of the frame	Yes	Yes	Yes	Yes
Central cardanic suspension	Yes	Yes	Yes	Yes
Tyres: rotors	16/9.5-8	16x6.50-8(10 PR)	16/9.5-8	16/9.5-8
Tyres: chassis	10.0/75-15.3 8PR	10.0/75-15.3 8PR	10.0/75-15.3 8PR	10.0/75-15.3 8PR
Tyres: chassis, alternative	13.0/55-16	13.0/55-16	13.0/55-16	13.0/55-16
PTO	540 RPM	540 RPM	540 RPM	540 RPM
Hydraulic control	1S	1S	1S	1S
Tractor, min	40 kW/55 HP	30 kW/40 HP	40 kW/60 HP	44 kW/55 HP
Weight	2000 kg	1.820 kg	2220 kg	2080 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

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