

JOSKIN

EN

MUCK SPREADER RANGE



www.joskin.com

"SPREADING IN THE WIDE SENSE"

THE JOSKIN QUALITY: 6 Keys to Success



Strength of EXPERIENCE

FOUNDED IN 1968, the JOSKIN family business became A LEADER in the design and manufacture of agricultural machines. SPREAD OVER BELGIUM, POLAND AND FRANCE on a total surface area of almost 150,000 m², the JOSKIN production sites are EXPORTING TO MORE THAN 50 COUNTRIES.



TECHNICAL SKILLS within

VERY MODERN AND HIGHLY PRECISE TECHNIQUES are used: dynamic 3D simulation, automated lasers, folding presses, high tensile steel, hot-dip galvanization, automated continuous weldings.



Buy with CONFIDENCE

3 -YEAR WARRANTY



See conditions on www.joskin.com





Technical Centre (Poland)



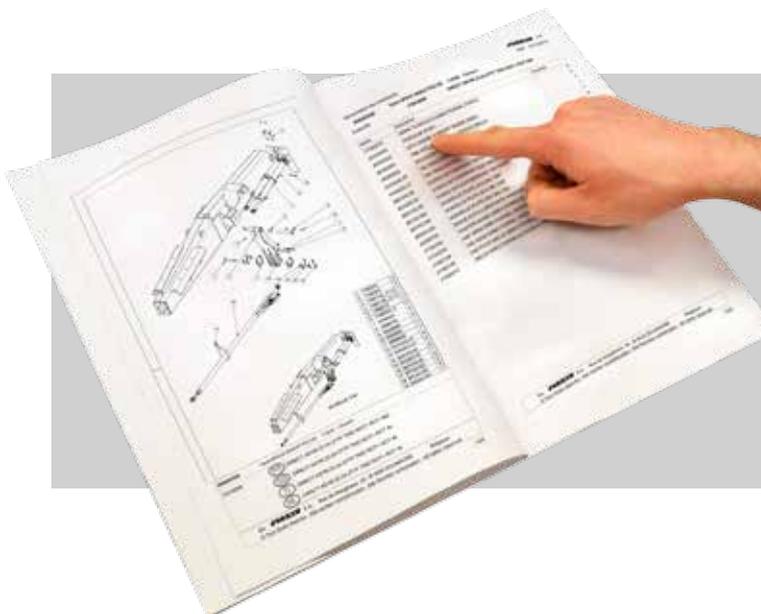
RESEARCH and DEVELOPMENT

JOSKIN has its own industrial design offices and 3D static and dynamic engineering software. The production is standardized as much as possible in order to ensure a precise manufacturing and a deadline compliance, while proposing hundreds of options! Our technicians and dealers are constantly trained in our technical centres.



At the SERVICE of our customers

Our great strength: the AVAILABILITY OF SPARE PARTS at any time and anywhere. Thanks to our permanent stocks, we send your parts as quickly as possible. The JOSKIN dealers undertake to have a stock of the most important spare parts of the machines.



Individualized PARTS book

The PARTS BOOK and the USER'S MANUAL are provided in your language when purchasing a machine. The parts book includes drawings and references of the components mounted on your machine. Even years later, spare parts can be ordered efficiently!

Muck Spreader Range

ADVANCED TECHNIQUE

The steel processing knowledge and the material choice are essential. Special steel types with high tensile limit allow to reduce – or even remove – the crosspieces and side reinforcements. Vehicles are in this way lighter, stronger and benefit from clear and elegant lines. The steel sheets are processed by modern tools like a 8 m laser cutting table, a 8.2 m folding press with digital control and automatic folding angle correction device (making sure the steel plate is evenly folded on the whole length), 8 m welding robots, etc.



Lathe with digital control



Welding robot



Laser cutting table



Folding machine with digital control



MANUFACTURING THE SPREADERS

At JOSKIN, there is not one winning solution, but well as many as different requests; that is why each spreader is manufactured individually with standardized components.

During the manufacture, a special attention will be paid to your future machine. Just like all JOSKIN products, the muck spreaders benefit from an optimal surface treatment: cleaning by shot-blasting, Ester Epoxy finishing coating and thermal drying. Since JOSKIN galvanizes its machines in its factory, muck spreaders can also possibly be galvanized for a maximal protection against corrosive matters.



Manual welding



Hot galvanizing bath (inside and outside)



WIN PACK

"Win Pack" Advantages

To combine quality manufacturing and shortened delivery time, JOSKIN proposes WIN PACK machines. They are:

- reliable and of high quality thanks to the standardized manufacturing process;
- adapted to your farm and affordable;
- in stock or rapidly available;
- fitted with pieces of equipment that were tested in real working conditions;
- modular given the many options.



APPROPRIATE STRUCTURE

Unique Design of the JOSKIN Muck Spreaders

Models:

- SIROKO
- FERTI-SPACE
- TORNADO3
- FERTI-SPACE HORIZON
- FERTI-CAP
- FERTI-CARGO



MADE IN JOSKIN

In order to constantly improve its manufacturing process, JOSKIN chose the standardization, which offers real possibilities to standardize designs and to use profitable production techniques. In that way, a controlled cost price can be offered for an unmatched quality level but also, and above all, transport and spreading technologies that are suited to the challenges of our time can be made affordable to most customers.

All spreaders of the JOSKIN range have a large standard equipment:

- beaters with folded spirals for intense splitting and a large spreading width;
- manual control of the moving floor drive by regulator with constant pressure;
- moving floor with shipping chains with grade 80 (the highest grade in traction chains currently existing);
- easy to reach floor tensioner located outside the body;
- transmission protected by elastic coupling;
- drawbar suspension with parabolic leaves.

All these pieces of equipment make the JOSKIN muck spreaders very easy to use and ensure a better working comfort to the users.



The jigs used in the factory ensure precision and rapidity during the manufacturing process



Floor tensioner



Hitching suspension with parabolic leaves



Shipping chains - bolted moving floor





SPREADER RANGE

		Model	Vol.	Illustration	Specifications	
VERTICAL BEATERS						
Flow between 5 and 50 t/ha HEAVY MANURE	TRACTOR < 130 HP	SIROKO	8/13 M ³		<ul style="list-style-type: none"> Narrow body Low centre of gravity Large wheels Standard galvanized 	P. 8
		FERTI-CAP	9/12 M ³		<ul style="list-style-type: none"> Wide body Wheels under the body Standard galvanized 	P. 10
	TRACTOR > 130 HP	TORNADO3	11/24 M ³		<ul style="list-style-type: none"> Narrow body Machine with very high capacity Low centre of gravity Large wheels 	P. 9
		FERTI-SPACE	15/25 M ³		<ul style="list-style-type: none"> Wide body Machine with very high capacity Wheels under the body Double moving floor 	P. 11
		FERTI-CARGO	16/25 M ³		<ul style="list-style-type: none"> Interchangeable body Universal chassis 	P. 17
SPREADING TABLE						
Flow between 3 and 15 t/ha UNIVERSAL PRODUCTS	TRACTOR > 130 HP	FERTI-SPACE HORIZON	15/25 M ³		<ul style="list-style-type: none"> Wide body Fine and precise distribution Double moving floor 	P. 14
		FERTI-CARGO HORIZON	16/25 M ³		<ul style="list-style-type: none"> Interchangeable body Universal chassis 	P. 17

SIROKO

Lowered Narrow Body for Quality Spreading



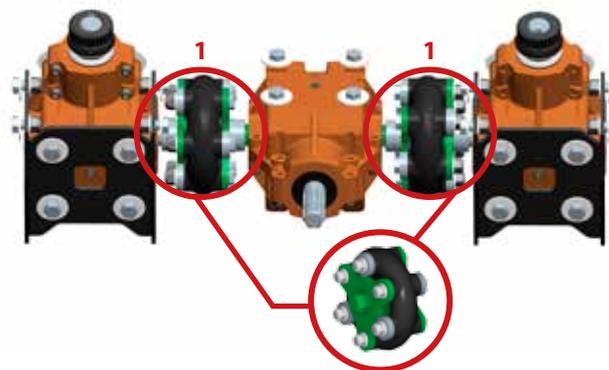
GENERAL POINTS

The JOSKIN SIROKO spreader with lowered galvanized body is remarkable in many ways: its innovative design makes maintenance much easier. The cross-suspension hitching and the large dimensions of the wheels provide it with an excellent stability both when working and on the road. Its body in HLE 550 high tensile steel is made up of successive foldings and has a rectangular upper strip. The side walls of 850 mm, 1,090mm or 1,340 mm high offer a load capacity from 5 m³ to 14.17 m³. According to the product, the two beaters with folded spirals split and spread from 7 to 10 m away per row.



TRANSMISSION

The transmission is protected by elastic couplings between the boxes (1).



SPECIFICATIONS

Hitching suspension	Cross-suspension with parabolic leaves
Moving floor	2 Ø 14 mm shipping chains
Vertical beaters	Ø 785 mm, 1,750 mm or 2,000 mm high, with 4 or 5 folded spirals
Teeth	Removable in HARDOX 450 steel (80 x 6 mm)
Discs	Ø 829 mm with retractable blades
Drive	1,000 rpm
Rotation speed of the beaters	423 rpm

NB: the technical specifications of the SIROKO 4008/8V are totally different from the rest of the range.

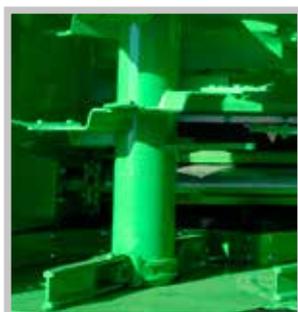
SIROKO MODELS⁽¹⁾

	Off-road payload	Length before door	Inner body dimensions (m)			Body volume before door	Manure volume before door	Manure volume up to beaters	Axle: □ (mm) - track (mm) - studs	Brakes (mm)
			Length up to beaters	Width	Height					
NEW S4008/8V	8 t	4.15	4.65	1.45	0.85	5 m ³	7.7 m ³	8.1 m ³	ADR 100x2000-10S	400 x 80
S4010/9V	9 t	4.18	4.67	1.45	1.09	6.44 m ³	8.41 m ³	9.40 m ³	ADR 100x2000-10S	400 x 80
S5010/11V	11 t	5.21	5.70	1.45	1.09	8.10 m ³	10.56 m ³	11.55 m ³	ADR 130x2100-10S	406 x 120
S5013/12V	12 t	5.05	5.54	1.45	1.34	9.43 m ³	11.78 m ³	12.96 m ³	ADR 130x2100-10S	406 x 120
S5513/13V	13 t	5.50	5.99	1.45	1.34	10.40 m ³	12.98 m ³	14.17 m ³	ADR 130x2100-10S	406 x 120

⁽¹⁾ The first 2 figures refer to the average length, the next 2 ones to the average height and the last ones to the manure volume before the door.

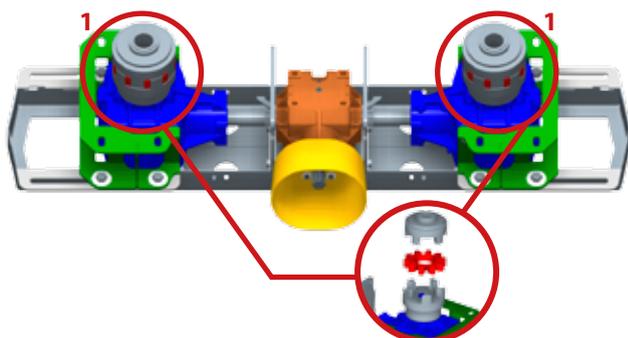
TORNADO3

Muck Spreader with Lowered Narrow Body for Intensive Work



TRANSMISSION

The transmission is protected by elastomer couplings between the boxes and the beaters (1) that will absorb shocks and therefore increase the lifespan of these boxes.



GENERAL POINTS

The TORNADO3 is also a muck spreader with lowered narrow body in HLE steel and wheels with a large diameter as well. Its high capacities and sturdiness are ensured by its body made up of successive foldings and by a side reinforcing post.

This body has a height varying from 1,130mm to 1,370mm, and offers load volumes from 8.6 to 25.8 m³, depending on the model. The beaters with folded spirals spread evenly on a width from 7 to 16 m per row, depending on the product.



SPECIFICATIONS

Hitching suspension	Cross-suspension with parabolic leaves
Moving floor	2 Ø 16 mm shipping chains
Vertical beaters	Ø 1,010 mm, depending on model from 1,770 mm to 2,220 mm high with 4 to 7 folded spirals
Teeth	Removable in HB 400 high tensile steel (80 x 12 mm)
Discs	Ø 1,100 mm with retractable blades - option discs with 3 blades
Drive	1,000 rpm
Rotation speed of the beaters	445 rpm

TORNADO3 MODELS⁽¹⁾

	Off-road payload	Length before door	Inner body dimensions (m)		Height	Body volume before door	Manure volume before door	Manure volume up to beaters	Axle: □ (mm) - track (mm) - studs	Brakes (mm)
			Length up to beaters	Width						
NEW T5011/11V	11 t	5.0	5.5	1.45	1.13	8.6 m ³	10.8 m ³	12.0 m ³	ADR 130x2100-10S	406 x 120
T5511/12V	12 t	5.5	6.0	1.45	1.13	9.5 m ³	11.9 m ³	13.3 m ³	ADR 130x2100-10S	406 x 120
T5513/14V	13 t	5.5	6.0	1.45	1.37	11.5 m ³	14.4 m ³	16.1 m ³	ADR 130x2100-10S	406 x 120
T5516/16V	14 t	5.5	6.0	1.45	1.57	13.1 m ³	16.0 m ³	17.8 m ³	ADR 150x2100-10S	420 x 180
T6013/16V	15 t	6.0	6.5	1.45	1.37	12.7 m ³	15.9 m ³	17.6 m ³	ADR 150x2100-10S	420 x 180
T6016/17V	15 t	6.0	6.5	1.45	1.57	14.3 m ³	17.5 m ³	19.3 m ³	ADR 150x2100-10S	420 x 180
T6516/19V	16 t	6.5	7.0	1.45	1.57	15.6 m ³	19.0 m ³	20.9 m ³	ADR 150x2100-10S	420 x 180
T6516/19BV	18 t	6.5	7.0	1.45	1.57	15.6 m ³	19.0 m ³	20.9 m ³	ADR 2x130x2300-10S	406 x 120
T7016/21BV	20 t	7.0	7.5	1.45	1.57	16.8 m ³	20.6 m ³	22.4 m ³	ADR 2x150x2300-10S	420 x 180
T7018/24BV	21 t	7.0	7.5	1.45	1.57 + 0.25	20.3 m ³	23.9 m ³	25.8 m ³	ADR 2x150x2300-10S	420 x 180

⁽¹⁾ The first 2 figures refer to the average length, the next 2 ones to the average height and the last ones to the manure volume before the door.

FERTI-CAP

Wide Body for Spreading and Transport



GENERAL POINTS

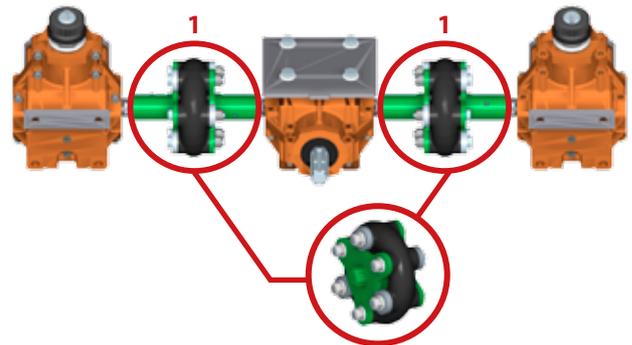
The JOSKIN Ferti-CAP with wide monocoque body in HLE 550 steel of 810 mm high spreads on a wide surface. With its capacities from 6.91 to 13.97 m³, it is very multi-functional in spreading and transport of various materials. According to the product, the large diameter of the vertical beaters with folded spirals allow to spread on a width from 8 to 12 m per row.

The beaters can easily be removed to convert the Ferti-CAP into a harvest trailer (silage and others).



TRANSMISSION

The transmission is protected by elastic couplings between the boxes (1).



SPECIFICATIONS

Hitching suspension	Cross-suspension with parabolic leaves
Moving floor	2 Ø 14 mm shipping chains
Vertical beaters	Ø 1,080 mm, 1,500 mm high, with 3 folded spirals
Teeth	Removable, in HARDOX 450 steel (80 x 6 mm)
Discs	Ø 1,140 mm with 3 blades
Drive	1,000 rpm
Rotation speed of the beaters	423 rpm

FERTI-CAP MODELS⁽¹⁾

	Off-road payload	Inner body dimensions (m)			Body volume before door	Manure volume before door	Manure volume up to beaters	Axle: □ (mm) - track (mm) - studs	Brakes (mm)	
		Length before door	Length up to beaters	Width	Height					
FC4008/9U	8 t	4.17	4.72	2.04	0.81	6.91 m ³	9.01 m ³	10.25 m ³	ADR 90x2000-8S	400 x 80
FC5008/10U	10 t	4.87	5.42	2.04	0.81	8.10 m ³	10.54 m ³	12.22 m ³	ADR 100x2000-10S	400 x 80
FC5508/12U	12 t	5.67	6.22	2.04	0.81	9.45 m ³	12.29 m ³	13.97 m ³	ADR 130x2000-10S	406 x 120
FC 5508/12BU	12 t	5.67	6.22	2.04	0.81	9.45 m ³	12.29 m ³	13.97 m ³	ADR 2x90x2000-8S	350 x 60

⁽¹⁾ The first 2 figures refer to the average length, the next 2 ones to the average height and the last ones to the manure volume before the door.

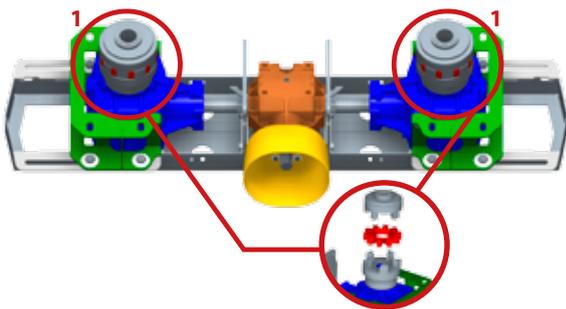
FERTI-SPACE

A Spreader in the Wide Sense



TRANSMISSION

The transmission is protected by elastomer couplings between the boxes and the beaters (1) that will absorb shocks and therefore increase the lifespan of these boxes.



SPECIFICATIONS

Hitching suspension	Cross-suspension with parabolic leaves
Moving floor	4 Ø 14 mm shipping chains
Vertical beaters	Ø 1,080 mm, 1,830 mm (series 11) or 2,080 mm high (series 14), with 4 folded spirals
Teeth	Removable, in HB 400 high tensile steel (HARDOX), 80 x 12 mm
Discs	Ø 1,000 mm with 3 blades
Drive	1,000 rpm
Rotation speed of the beaters	381 rpm

GENERAL POINTS

The Ferti-SPACE has a wide monocoque body in HLE steel of 1,050 mm or 1,350 mm high offering a large spreading width. With its strong design and its capacities from 12 to 21 m³, it is a multi-functional machine for intensive use. Thanks to the large diameter of the vertical beaters with folded spirals, the Ferti-SPACE can spread on a width from 8 to 16 m per row, depending on the product. This model can easily be converted into a harvest trailer by dismounting the beaters. The 2-speed moving floor option can in this case be very useful.



FERTI-SPACE MODELS⁽¹⁾

	Off-road payload	Length before door	Inner body dimensions (m) Length up to beaters	Width	Height	Body volume before door	Manure volume before door	Manure volume up to beaters	Axle: □ (mm) - track (mm) - studs	Brakes (mm)
FS5511/15BU	14 t	5.5	6.05	2.05	1.05	12.32 m ³	15.49 m ³	17.04 m ³	ADR F100/S130x2000-10S	400 x 80
FS6011/17BU	16 t	6	6.55	2.05	1.05	13.41 m ³	16.87 m ³	18.42 m ³	ADR 2x130x2000-10S	406 x 120
FS6511/18BU	18 t	6.5	7.05	2.05	1.05	14.51 m ³	18.24 m ³	19.79 m ³	ADR 2x130x2000-10S	406 x 120
FS7011/20BU	20 t	7	7.55	2.05	1.05	15.60 m ³	19.62 m ³	21.17 m ³	ADR 2x150x2000-10S	420 x 180
FS7014/25BU	22 t	7	7.55	2.05	1.35	20 m ³	25.2 m ³	27.2 m ³	ADR 2x150x2000-10S	420 x 180
FS7011/20TRU	20 t	7	7.55	2.05	1.05	15.60 m ³	19.62 m ³	21.17 m ³	ADR 3x150x2000-10S	420 x 180
FS7014/25TRU	26 t	7	7.55	2.05	1.35	20.50 m ³	25.75 m ³	27.80 m ³	ADR 3x150x2000-10S	420 x 180

⁽¹⁾ The first 2 figures refer to the average length, the next 2 ones to the average height and the last ones to the manure volume before the door.

OPTIONS FOR MODELS WITH VERTICAL BEATERS

Good Equipment for a Better Work!



JOSKIN MUCK SPREADERS, A FEW OPTIONS...

Unless otherwise indicated, all options are available on the whole range of JOSKIN muck spreaders.

GUILLOTINE DOOR

A tight guillotine door, which can be adjusted on the full height of the beaters, can be installed. It avoids load losses during transport and makes it possible to regulate the flow while spreading.



Guillotine door



Anti-blocking door runner

HYDRAULIC INSTALLATION

An independent hydraulic installation is available to drive the moving floor or all hydraulic elements of the machine.

This option is interesting for use of the spreader by several owners (avoid oil mixing) or with a tractor with no sufficient hydraulic circuit.



Hydraulic installation

EXTENSIONS

- PVC protection for upper body strip
- Aluminium or wooden extensions (250 mm)



PVC extensions



Aluminium extensions



Wooden extensions

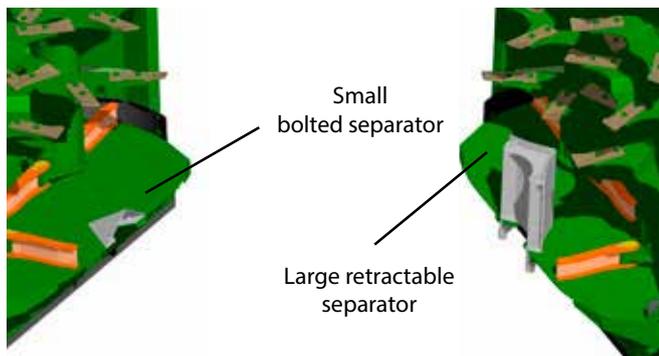
FLOOR TENSIONER

Every JOSKIN muck spreader is standard fitted with a mechanical floor tensioner. As an option, it is possible to choose a hydraulic model with hand pump.





CENTRAL SEPARATORS



LIMITATION BOARDS

These limitations boards, which can be mounted on the left or right-hand side, are used to spread at the field edge. A double limitation board can also be mounted. The two parts are then independently opened. It is used for headland spreading and to cover the beaters.



Limitation board



Double protection board

REAR GRATE



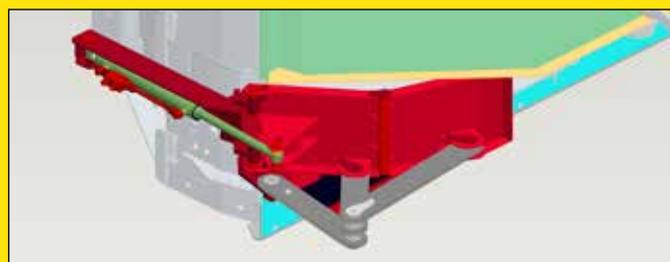
Protection grate for the beaters with hydraulic opening upwards (compulsory in some countries).

CANOPY

JOSKIN proposes canopies with quick uncoupling or hydraulic opening, which are interesting tools to spread lighter products (poultry manure). They can be fitted with a limitation board with hydraulic opening/closing to spread at the field edge.



Canopy with quick uncoupling



Spreading canopy with limitation board(s)

FERTI-SPACE HORIZON

Universal Spreader High Capacity

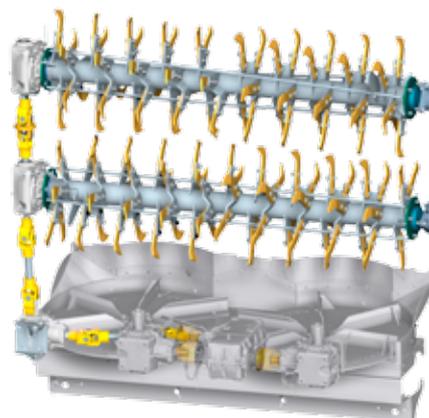


GENERAL POINTS

The Ferti-SPACE HORIZON is designed to spread different products (cattle manure, compost, organic wastes, lime, poultry manure, etc.) on large widths. The horizontal beaters and the spreading table allow to spread evenly, even with a low flow.



TRANSMISSION



SPECIFICATIONS

Hitching suspension	Cross-suspension with parabolic leaves
Moving floor	4 Ø 14 mm shipping chains
Horizontal beaters	Ø 600 mm, 1,300 mm (series 11) or 1,550 mm (series 14) high
Teeth	Removable, in S700MC steel (230 x 50 mm)
Discs	Ø 1,040 mm with 6 adjustable blades
Drive	1,000 rpm
Rotation speed of the beaters	550 rpm

FERTI-SPACE HORIZON MODELS⁽¹⁾

	Off-road payload	Length before door	Inner body dimensions (m) Length up to beaters	Width	Height	Body volume before door	Manure volume before door	Manure volume up to beaters	Axle: □ (mm) - track (mm) - studs	Brakes (mm)
FS5511/15BU	14 t	5.5	6.05	2.05	1.05	12.32 m ³	15.49 m ³	17.04 m ³	ADR F100/S130x2000-10S	400 x 80
FS6011/17BU	16 t	6	6.55	2.05	1.05	13.41 m ³	16.87 m ³	18.42 m ³	ADR 2x130x2000-10S	406 x 120
FS6511/18BU	18 t	6.5	7.05	2.05	1.05	14.51 m ³	18.24 m ³	19.79 m ³	ADR 2x130x2000-10S	406 x 120
FS7011/20BU	20 t	7	7.55	2.05	1.05	15.60 m ³	19.62 m ³	21.17 m ³	ADR 2x150x2000-10S	420 x 180
FS7014/25BU	22 t	7	7.55	2.05	1.35	20 m ³	25.2 m ³	27.2 m ³	ADR 2x150x2000-10S	420 x 180
FS7011/20TRU	20 t	7	7.55	2.05	1.05	15.60 m ³	19.62 m ³	21.17 m ³	ADR 3x150x2000-10S	420 x 180
FS7014/25TRU	26 t	7	7.55	2.05	1.35	20.5 m ³	25.75 m ³	27.8 m ³	ADR 3x150x2000-10S	420 x 180

⁽¹⁾ The first 2 figures refer to the average length, the next 2 ones to the average height and the last ones to the manure volume before the door.



SPECIFICATIONS OF THE FERTI-SPACE HORIZON

Ø 600 MM HORIZONTAL BEATERS



Both beaters with a diameter of 600 mm crumble and shred the matter very well. As a result, the different products are precisely spread.

DISTRIBUTION DISCS



Two wide spreading discs (Ø 1,040 mm) with 6 adjustable blades spread over the width.

GUILLOTINE DOOR



The Ferti-SPACE HORIZON muck spreaders is standard fitted, with a guillotine door. For further information, see page 12.

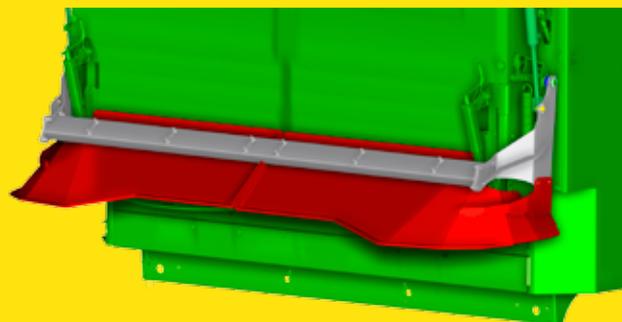
TRANSMISSION



The beaters are driven by P.T.O.-shafts (1,000 rpm) and turn at 550 rpm.



LIMITATION BOARD ON THE LEFT/RIGHT



To spread at the field edge, JOSKIN spreaders can be fitted with an independent hydraulically controlled limitation board on the left and/or right.

CARGO CHASSIS

Multi-Purpose Chassis

TRM SERIES



TSM SERIES

MODULAR CONCEPT

The CARGO concept allows to maximize the use of your agricultural implements thanks to a single basic chassis for 5 types of implements! It is a flexible and economical solution. Next to a slurry tanker, with or without spreading tool, the chassis can be fitted with a muck spreading body, a silage body, a Drakkar body or a monocoque agricultural tipping body.

HITCHING

The CARGO chassis are standard fitted with the Hydro-Tandem (CARGO TSM) or Hydro-Tridem (CARGO TRM) hydraulic axle suspension.

This type of running gear combines the advantages of the axles that can easily be pulled over obstacles and the semi-independent axles offering a large clearance. This suspension works in closed circuit according to the communicating vessels principle. Large section pipes are used to improve the reactivity of the system, which is extremely useful in case of significant ground unevenness.

Finally, their 250 mm clearance ensures an optimal distribution of the loads in all circumstances.

*Hydropneumatic suspension
Mounted on hydraulic ram with two
nitrogen accumulators, it offers a high
flexibility.*



MANAGEMENT AND CONTROL

The CARGO chassis are fitted with electrovalves gathered on a monoblock basis and protected by a galvanized box.

This hydraulic distribution installation includes an entry block (capacity: 60 l/min or 120 l/min). A high number of hydraulic functions of the vehicles requires a low flow, but it is important to know which ones require a high flow, like the hydraulic motors of the turbo-filler, macerators, etc.



CARGO CHASSIS MODELS

	Chassis length (m)	Stand	Axle(s): □ (mm) - track (mm) - studs	Brakes (mm)
CARGO TSM (6.6)	6.60	Hydraulic skid	ADR 2x150x2000-10S	420 x 180
CARGO TRM (6.6)	6.60	direct conn. to tractor (DA)	ADR 3x150x2000-10S	420 x 180
CARGO TRM (7.5)	7.55		ADR 3x150x2000-10S	420 x 180

CARGO SYSTEM

Tools



GENERAL POINTS

The JOSKIN CARGO multi-module carrier can be fitted with 2 models of Ferti-CARGO muck spreader with wide body for high capacities:

- a muck spreader with two vertical beaters with folded spirals to spread in a quality way and to spread on a 8 to 16 m width, depending on the product;
- the HORIZON model, designed to spread various products (cattle manure, compost, organic wastes, lime, poultry manure, etc.) on large widths, with horizontal beaters and spreading table for a good distribution.



Horizontal beaters

FERTI-CARGO MODELS⁽¹⁾

	Length before door	Inner body dimensions (m)		Height	Body volume before door	Manure volume before door	Manure volume up to beaters
		Length up to beaters	Width				
Ferti-CARGO 6011/17	6.00	6.55	2.05	1.05	13.41 m ³	16.87 m ³	18.42 m ³
Ferti-CARGO 7011/20	7.00	7.55	2.05	1.05	15.60 m ³	19.62 m ³	21.17 m ³
Ferti-CARGO 7014/25	7.00	7.55	2.05	1.35	20.00 m ³	25.20 m ³	27.20 m ³

FERTI-CARGO HORIZON MODELS⁽¹⁾

FS6011/17	5.50	6.05	2.05	1.05	12.32 m ³	15.49 m ³	17.04 m ³
FS7011/20	6.00	6.55	2.05	1.05	13.41 m ³	16.87 m ³	18.42 m ³
FS7014/25	7.00	7.55	2.05	1.35	20.00 m ³	25.20 m ³	27.20 m ³

⁽¹⁾ The first 2 figures refer to the average length, the next 2 ones to the average height and the last ones to the manure volume before the door.

OPTIONS

Management, Control and Novelties



MANAGEMENT AND CONTROL

JOSKIN proposes three ways to control its spreaders:

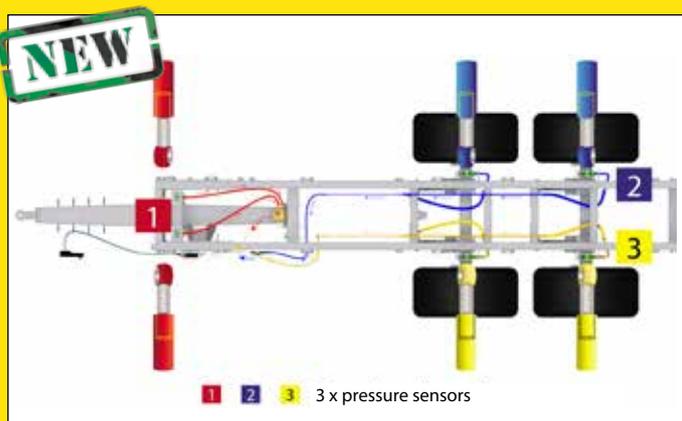
- 1 A DIRECT CONNECTION TO THE TRACTOR (DISTRIBUTORS)
- 2 AN ELECTRO-HYDRAULIC CONTROL VIA FERTI-CONTROL
- 3 AN ISOBUS SYSTEM VIA FERTI-ISOCONTROL OR THE ISOBUS TERMINAL OF THE TRACTOR

DYNAMIC WEIGHING SYSTEM ON HYDRAULIC SUSPENSION

Vehicles fitted with a hydraulic hitching suspension and a hydraulic running gear can be fitted with this device.

Two pressure sensors located on the hydraulic circuit of the running gear, as well as one on the hitching suspension, are connected to a computer on the running gear. These sensors send cable signals so that the weight can be displayed on a screen in the tractor cabin. Another screen can be installed on a loader or on the vehicle in order to see the load weight at any time. This system is also compatible with Isobus and can be controlled through the Isobus terminal that replaces in this case the separate screen. It is available on tipping trailers, muck and slurry spreaders, multi-purpose and silage trailers.

On a muck spreader, the dynamic weighing system allows the "DPA" (flow in proportion to the driving speed) to be regulated according to the weight and to spread very precisely.



FERTI-CONTROL

There are four control boxes to manage and control the JOSKIN muck spreaders. They each have their own functions and specifications.

- **FERTI-CONTROL 200:**
 - Door opening indicator
 - Spreader counter
 - Display of the moving floor speed (option)
- **FERTI-CONTROL 300:**
 - Floor on/off switch
 - Electric moving floor control
 - Inversion of the moving floor direction by tractor distributor
- **FERTI-CONTROL 500:**
 - Floor on/off switch
 - Electric moving floor control
 - Electric inversion of the moving floor direction
 - Any extra electro-hydraulic function (option)
- **FERTI-CONTROL 4000:**
 - Floor on/off switch
 - Electric moving floor control
 - Electric inversion of the moving floor direction
 - Any extra electro-hydraulic function (option)
 - Door opening indicator (option).
 - Flow proportional to the driving speed (DPA, option).



Ferti-CONTROL 200



Ferti-CONTROL 300



Ferti-CONTROL 500



Ferti-CONTROL 4000



FLOW PROPORTIONAL TO THE DRIVING SPEED (DPA)

To spread precisely, JOSKIN proposes an electronic spreading management (DPA), which is available on ISOBUS and Ferti-Control 4000.

During the use, the operator indicates the loaded volume (full load, half load, etc.), the flow per hectare (in m^3 or t/ha), the effective working width as well as the product density. If the system is combined with a weighing device, the operator first has to validate the load in the spreader (available on the weighing device). From this data and the selected loaded volume (full load, half load, etc.), the density will be calculated.

Then, he will choose the position of his door according to the matter to spread. Once this information is introduced in the terminal, the movement of the moving floor will be automatically controlled according to the demanded flow and to the driving speed of the spreader.

The regulation works in closed circuit and the moving floor speed is continuously controlled. This system ensures that the necessary floor speed will be respected even if the body is almost empty or if, on the contrary, it is well filled and if the spreader drives on a slope.



ISOBUS

The interface of the JOSKIN control box, just like that of the automaton, can be replaced by the ISOBUS terminal that is already present in the tractor cabin. If there is none, the JOSKIN terminal can also be delivered. The aim is to ensure the communication between different tractors and the many implements (and vice versa) through a standardized language. This international standard is ever more used and allows a quick and easy connection ("plug & play") between various brands. One single control box in the cabin replaces several ones: a direct way to high-tech agriculture!

At JOSKIN, the ISOBUS allows to centralize, for instance, the electro-hydraulic controls, pressure sensors, injectors, the flow proportional to the advancement speed, or the dynamic weighing system.

Moreover, the Terminal is compatible with a GPS system for a precise guiding while spreading on the different parcels. Most tractor manufacturers are using this technology. Do not hesitate to consult us in case of doubt regarding the compatibility.



ISO CONTROL



ISO Control Touch 800

JOSKIN

"QUALITY WITHOUT COMPROMISE"

09/09/2016 - Non-contractual document. Data can change without notice. The pictures do not necessarily correspond to standard equipment.



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