



### Multitwist booms with large widths

JOSKIN has just extended its range in the boom market. Today, with the ever increasing tank and high flow pump capacities, JOSKIN emphasizes its Multitwist multi-nozzle spreading booms with large widths.

The JOSKIN Multitwist multi-nozzle boom is characterized for a traditional spreading close to the ground. The multiple nozzles allow to spread slurry while reducing the losses of fertilizing value due to evaporation.

The boom is made up of two arms (with double articulation) which can be folded laterally along the tank. These arms pivot downwards (+/- 180°), allowing to apply the anti-drip system, called Twist® system.

The central point of the boom is made up of a distribution box collecting the slurry directly coming from the tank through a Ø 200 mm hose and distributing it evenly to the two half-booms through Ø 150 mm rigid pipes.



These rigid pipes, feeding the nozzles, stop at the level of the second articulation of the half-boom. This first part (including the feeding pipe and the "nozzle-holder" pipe) forms the rigid structure of the Multitwist boom. It serves as basis for the Multitwist booms of 18 m and 24 m. Onto this first part, the total span of which is 15 m, extensions are then grafted. The hinge point is made up of an industrial valve (allowing to feed 'ones single part to spread on a width of 15 m) and two large cylinders. At this place, a draining cap is also to be found.

Concerning the options, it is worth noting that a slope position adjustment device is also available for the large widths. It makes it possible to adjust the boom sloping angle on the left and right side independently. For more uniformity, a Ø 200mm turbo-discharger can be placed at the tank outlet.

The nozzles (ended by a rubber cone) allow to spread the slurry on the vegetation under the form of "umbrella" jets. Each nozzle works on a width of 3 m with an overlapping of 75 cm, which guarantees the slurry is homogeneously spread over the whole working width. Each nozzle is fitted to the boom by means of a quick coupling allowing to make the disassembly easier. It is then possible to place a cap on the coupling and thereby to vary the spreading width from 24 m to 21 m or 18 m and even to 15 m. In this case, the boom is in folded position.

Today, the high capacity JOSKIN slurry tankers (Quadra and Euroliner) can be fitted with JOSKIN Multitwist multi-nozzle booms of 18 m and 24 m. These new booms with large widths find their raison d'être in the growth of the tank and pump flow capacities. The large width tools no longer have problems regarding homogeneous feeding.

The presentation of this new JOSKIN Multitwist boom of 24 m will take place as a preview at Agritechnica in Hanover from 8th to 14th November 2009.

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### Hydraulic bumpers on JOSKIN tipping trailers

The hydraulic rear bumpers are now standard mounted on the JOSKIN construction trailers Trans-KTP HARDOX 17/50, 22/50, 27/55 and 27/65.

The rear bumper, which is mandatory on the road, can hamper the works on site, especially when reversing into a heap. To prevent damages or avoid removing the bumper, JOSKIN has designed a retractable rear bumper which perfectly complies with the Road Traffic Regulations and is completely « erased » when unloading : thanks to the 20cm cylinder course, it is retracted with a total height of 40cm.



This novelty, which is already part of the standard equipment on the JOSKIN Trans-KTP HARDOX tipping trailers mentioned above, is available in option on the range of JOSKIN Trans-CAP and Trans-SPACE agricultural tipping trailers.



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### Silo-SPACE 26/50

JOSKIN extends its range of Silo-SPACE silage trailers! There were already three models. Now comes a silage trailer with a volume of 50 m³ DIN. Make way for the Silo-SPACE 26/50.....

A competitive market is a market where supply adequately adapts to demand. Today, biogas plants spring up, some agricultural holdings grow and the transport of products becomes more and more important...

These few evolutions lead the manufacturers of agricultural tipping trailers to increase their offer, by improving the transport capacity of their vehicles while preserving the safety aspect. JOSKIN has understood this and has taken these evolutions into account in its range of silage trailers by developing a 50 m³ DIN model. This volume can even reach 60 m³ thanks to the hydraulic extensions (20 cm) and to the loading dome.

Moreover, with the Telecover®, you will be sure to take maximum advantage of the volume available without risk of material loss!

The Silo-SPACE 26/50 makes it thus possible to push back the frontiers a little further in terms of transport capacity. Its body has all the characteristics and intrinsic qualities of the Silo-SPACE range, namely the headboard, the double hydraulic moving floor, the hydraulic rear door, the fixing device for extensions,... with the capacity on top of that!

Its triple-axle chassis is of course equipped with the Hydro-Tridem running gear (communication vessels principle between the axles) with double self steering system which is fitted on all JOSKIN triple-axle vehicles.

The Silo-SPACE 26/50 will perfectly meet the market demand in terms of transport capacity with the driving comfort, peculiar to the JOSKIN vehicle range.

You can discover this new Silo-SPACE model at Agritechnica from 8th to 14th November 2009.



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### JOSKIN SIROKO

JOSKIN clearly asserts its ambition in the sector of low-tonnage muck spreaders. The new Siroko spreaders, designed for the farms with tractors from 60 to 150 hp, comes and completes the range of TORNADO2 spreaders.

#### Narrow body for safe, wide spreading

The Siroko is a muck spreader with a narrow body resting on large wheels. The interest here lies as well in the type of spreading device as in the driving behaviour.

The narrow body reduces the strains when the manure is transferred at the back. Just before the beaters, a space larger than the body serves as a decompression chamber to make the breaking easier and to avoid blockages. The spreading system is made up of two slightly sloping vertical beaters. By means of their teeth in special Hardox steel, these beaters attack a well compacted (but decompressed) mass at a high height and throw the material out. The result is a wide (7 to 8 m) and uniform spreading as well as an excellent distribution of the material on the spreading area.

The body can be completed by a "guillotine door" available in option and opening up to 20 cm above the body, namely at the same height as the top of the shredding beaters.

The driving behaviour is favored by the low centre of gravity of the body and the wheels with large diameter. The spreader is easy to tow, as well on the road as in the fields, remains stable and preserves the soil structure. This driving comfort is also reinforced by the hitching suspension.

The new JOSKIN Siroko spreader is available in 4 models from 6.5 to 10.5 m³ DIN (that is 8.4 to 13 m³ of manure). Further, this volume can be slightly increased by means of a PVC upper body strip.

This new range of spreaders is also offered in WinPack version, which - let us remind you - allows the series production of a vehicle, the equipment of which is determined beforehand.



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## JOSKIN: oscillating winding tarpaulin with remote control «Telecover» for Silo-Space

For just two decades, JOSKIN has been manufacturing silage trailers that are currently available with volumes of 40 - 45 et 55 m<sup>3</sup>. Today it presents its brand new "Telecover" patented covering device with remote control for the Agritechnica trade fair in Hanover.

At a time when the size of agricultural holdings is ever increasing, when the biogas plants reach a still higher yield and above all when the distance covered to transport material gets longer and longer, it is important to make sure the harvest is protected, with a view to the safety, in order to prevent any incident on the road (with the loss of transported elements). In some European countries, the law already calls for the covering of all transported material.



From this starting point, the brand new "Telecover" patented covering device with remote control of JOSKIN is born. It is now available for all volumes of Silo-Space silage trailers. Unlike manual winding tarpaulins or covering devices, this system offers the following great advantages: the user will no longer need to leave the tractor, working at heights is avoided, no more need to clean the road, no waste of time. In brief: time saving and therefore increase of the silage works profitability.

Roughly, the mechanism is made up of a combination of oscillating arms, a hydraulic motor, a tarpaulin and a stay spring. The particular characteristic is the fact that this device does not need to be removed or moved to open the rear door. Besides, the Telecover is fitted with sensors avoiding that two components of the silage trailer work one against the other. For example, when unloading, the rear articulated arm goes away from the whole and is positioned vertically in order to allow the opening of the hydraulic door.

The Telecover makes it however possible to load up to 60 cm above the edge of the machine (the traditional "matter dome"). Thanks to the function "net tension", the tarpaulin adapts to the load in an optimal way, without over-tension or under-tension, which significantly reduces the air resistance. During the trip when unloaded, the tarpaulin winds laterally and is put away without taking much place in the convergence lines of the silage box. Some also use it as a deflector in order to make the loading easier while avoiding any loss of material beyond the lateral posts.

The Telecover will be exhibited in world preview at the Agritechnica trade fair which takes place from 8th to 14th November 2009.

An "equipment kit" will be available in spring 2010 to be mounted later on the previous models of Silo-Space.

You will find further information regarding the Telecover or other Joskin products on: [www.joskin.com](http://www.joskin.com) or by dialing the number: 0032 (0) 43.77.35.45.

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## JOSKIN Trans-KTP 15/45 and 17/50

The range of JOSKIN Trans-KTP construction trailers expands. Two new models have just appeared : the Trans-KTP 15/45\* and Trans-KTP 17/50\*. (\* The first 2 figures refer to the carrying capacity in tons and the next 2 ones to the length of the body ).

The particularity of the JOSKIN construction trailers remains the manufacturing of their body in Hardox 450 steel (5 mm). The Hardox has a higher tensile limit than the traditional steel (120 kg/mm<sup>2</sup> for Hardox and 42 kg/mm<sup>2</sup> for S420).

In other words, for a given bending strain, the traditional steel will be subjected to such constraints that it will not be able to take its initial shape back, while the Hardox, thanks to its higher tensile limit, will take its initial shape back after the strain.

The smooth lines of the body are obtained by successive folds of the floor sheet, thereby reducing the frictional forces as much as possible when unloading.

With its chassis made up of 300x100x8 profile tubes and its JOSKIN Roll-Over Boggie running gear, the Trans-KTP 15/45 is part of the range of "small" TP tipping trailers (9/45 and 11/45). It is important to point out that its Boggie with 1350 mm between the axles will limit the diameter of the wheels to 1m25. The options of this range can of course be fitted on the 15/45 model.

For its part, the Trans-KTP 17/50 belongs to the range of TP tipping trailers with high capacity (22/50, 27/55 and 27/65). Its chassis, made up of 300x150x8 profile tubes, is perfectly adaptable to the running gears that are compatible with this range: Cross-Over Boggie, Rocker beam or Hydro-Pendul. Large wheels up to 1m 45 (maximum) with a fixed axle or up to 1m 36 (maximum) with a self steering axle can be mounted on the Trans-KTP 17/50.

With these two new models, JOSKIN extends its programme of tipping trailers for the construction market. The range capacities thus grow continuously from 9 to 27 tons.



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