

WITH QUICK UNLOADING AND WITHOUT BLOCKING!

## Moving floor and shredding beaters



The moving floor of the **JOSKIN** Silo-SPACE silage trailers is made up with 2 moving parts driven by 2 hydraulic motors (with lateral box, which improves the strength and power of the whole machine. The profiled slats fitting out these 2 parts are alternately placed in order to guarantee an even load distribution.

The system regulating the chain tension is protected by a wide opening cover (fastened by two gas cylinders) and a galvanized lower sheet (preventing foreign bodies from being projected in your silage). Nifty and practical cuts in this cover allow a quick detection of a lack of tension of one of the chains.



The yaw chains offer a high resistance to traction. Two sets of 4 wearing-off rails in ertalon are placed on both sides of the body to prevent the moving floor and the bottom from scraping each other (silencing floor).



The mechanical angle transmission is protected by 2 anti-torsion silent-blocks absorbing the shocks turning up when starting to unload.



The two hydraulic motors (protected under the floor) making the floor move are fitted with two gears. The first gear makes it possible to set the moving floor in motion and increase its power. Then, the second gear makes it possible to unload the silage trailer quickly and regularly.



The shredding beaters (in option only) ensure an even silage matter distribution.



The beaters are driven by means of chain transmissions, the lower beater driving the upper one.

Once again, with a view on the user's safety and the equipment protection, an electromagnetic sensor indicates that the upper shredding beater is turning (700 rpm minimum) and allows the moving floor to be started. If the lower beater does not turn, the upper one will not be set in rotation, which explains the place where the sensor is mounted. This safety device, combined with the one on the rear door, prevents the silage matter from being unloaded against a still closed door or against the shredding beaters when they are not turning.



The various standard hydro-valves and electro-valves (rear door, moving floor gear and inside box lighting) are operated by way of an easy-to-use control box made of aluminium.



# JOSKIN

## Complete range

Type	Body					Axles: □ mm - track - studs	Brakes (mm)
	Inner dimensions (m)			Total width (m)	Volume DIN		
	Length	Width (F-R)	Height				
Silo-SPACE 20/40	7.95	2.35 - 2.40	2.10	2.55	40 m <sup>3</sup>	2x130x2000-10S	406x120
Silo-SPACE 22/45	8.90	2.35 - 2.40	2.10	2.55	45 m <sup>3</sup>	2x150x2100-10S <sup>(*)</sup>	410x180
Silo-SPACE 24/45	8.90	2.35 - 2.40	2.10	2.55	45 m <sup>3</sup>	3x150x2100-10S	420x180
Silo-SPACE 26/50	9.85	2.35 - 2.40	2.10	2.55	50 m <sup>3</sup>	3x150x2100-10S	420x180

(\*) BPW axles □ 150 mm with 410 x 180 mm road brakes.

The total weight allowed for a loaded vehicle depends on the legislation in force in the country concerned!



## JOSKIN Silo-SPACE: volume and profitability for your silage works

Rue de Wergifosse, 39  
B-4630 Soumagne - BELGIUM  
E40 - exit 37 Herve - Soumagne

Tel.: +32 (0) 43 77 35 45  
Fax: +32 (0) 43 77 10 15  
E-mail: info@joskin.com

Your local **JOSKIN** partner

# JOSKIN

## Silo-SPACE

www.joskin.com



## SILAGE TRAILERS

High capacity body

Tapered body

Great rear door clearance

40, 45 and 50 m<sup>3</sup>

# JOSKIN

Strength of Experience

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## JOSKIN Silo-SPACE, HIGH CAPACITY BODY

### Light and strong body



The **JOSKIN** silage trailers are made up with a set of vertical posts supporting side and rear walls made of profiled sheets. This shaping increases the inertia of the side walls, i.e. their resistance to the strains exerted by the silage matter. The walls benefit from a double protection in order to prevent any corrosion risk: they are galvanized on both

sides and covered with plasticized paint on the outside. The bottom of the body is also entirely galvanized and it is supported by a set of cross-pieces linking the vertical posts to each other.

### Modular body



The hydraulic headboard is standard mounted on the whole **JOSKIN** Silo-SPACE range and is particularly useful behind the forage harvester, when starting to work on a plot. The front wall is made of galvanized, punched steel sheet and guarantees a maximum visibility.

The quick-opening side door turns out to be very useful for maintenance and cleaning operations.

This equipment is mounted along with the "shredding beaters" option. A fold-away ladder makes the access easier.



The inside box lighting (swivelling and well protected) is also part of the standard equipment of the **JOSKIN** silage trailers.



Optional equipment of the **JOSKIN** silage trailers: the hydraulic side extensions in aluminium, left or right (height: 200 mm). The pre-equipment for side extensions is standard on the whole range.

The brand new **JOSKIN** patented covering device with remote control, "Telecover", makes it possible to cover the transported matter with a view to the safety.

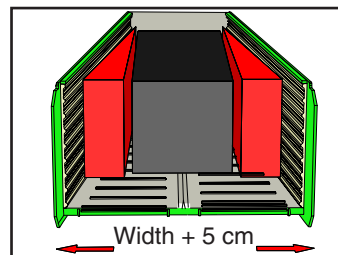
The mechanism is made up of a combination of oscillating arms, hydraulic motor, tarpaulin and stay spring. The particular characteristic is the fact that this device does not need to be removed or moved to open the rear door. Besides, the Telecover is fitted with sensors avoiding that two components 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. When driving with the vehicle unloaded, the cover winds laterally and is put away without taking much place in the convergence lines of the silage box. This option is available for all Silo-SPACE models.



### Tapered body



The side and rear walls of our silage trailers are profiled in the unloading direction of the silage matter (maize, grass,...) so as to unload while limiting friction strains.



In this mind, **JOSKIN** developed a tapered body for its Silo-SPACE silage trailers. Indeed, the body is 5 cm wider at the back than at the front.

### Great rear door clearance



The silage trailer is unloaded easily and without blocking thanks to the significant rear door off-set (about 40 cm) above the body. The door is operated by means of 2 double-acting cylinders. The rear door is also equipped with a locking spring system.

By way of an integrated control of the moving floor and the rear door, a "stop" sensor sends an electric signal allowing the moving floor to start only when the door is sufficiently open ( $\pm 1$  m).



### Hitching



Our silage trailers are standard fitted with a bolted swivel eyelet ( $\varnothing 40$  mm bolted fixed eyelet in Germany). In option, this eyelet can easily be replaced by a fixed or swivel knee-joint eyelet (Scharmüller eyelet in Germany). The **JOSKIN** Silo-SPACE are fitted with a D.A. hydraulic skid with direct connection.



The 20/40 and 22/45 models are fitted with an adjustable drawbar with cross-springs.

The 24/45 and 26/50 models are standard fitted with a hydropneumatic hitching suspension (in option on 20/40 and 22/45).

### Protection

The side and rear bumpers (compulsory for certification in some countries) are available in option on the whole range.

Mechanical and hydraulic retractable bumpers can also be fitted. These options are very interesting when reversing into silos.



### Lighting

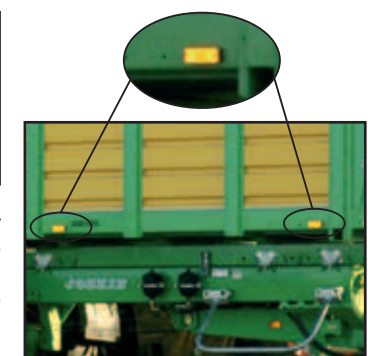
The double truck-type lights are standard mounted on the whole Silo-SPACE range.



Two working lights (integrated into the chassis) and a flashing beacon can also be fitted at the back of the silage trailer as extra lighting devices.



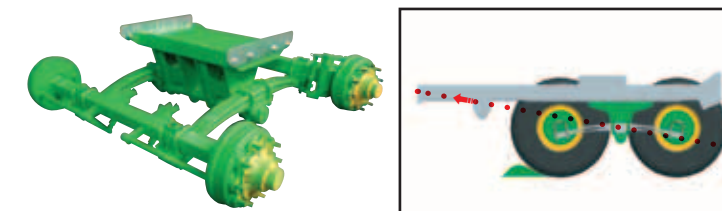
In order to improve the visibility (for instance when leaving the plot), the lateral lights (compulsory for certification in some countries) and the side lights are available in option.



The galvanized mudguards, which are fixed to the body, and the thermoplastic mudguards are part of the standard equipment.



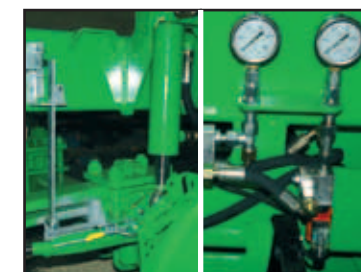
### Flexible running gears



The Silo-SPACE 20/40 model is fitted with the bolted and movable **JOSKIN** "Roll-Over" boggie. Its "parabolic" leaves offer an unfailing suspension while ensuring the carriage stability. Unlike the traditional boggies, which tend to bury their front wheels, the **JOSKIN** "Roll-Over" design has an upwards thrust line. In this way, the front wheels are literally pushed over the obstacle. Consequence: less traction power needed, less ground compaction, less damage to the ground and less wear to the tyres.



The Silo-SPACE 22/45 and tridem (24/45 + 26/50) models are respectively fitted with the "Hydro-Tandem" and "Hydro-Tridem" suspension system. The reactivity of the suspension cylinders is extremely useful when facing consequent ground unevenness. Moreover, their 255 mm clearance leads to an optimal load distribution in all circumstances. In option, the 20/40 model can also be equipped with the "Hydro-Tandem" suspension.



For an optimal driving comfort, road axles are available in option. It is possible to fit out the "Hydro-Tandem" vehicle with an automatic height adjustment system of the hydraulic suspension (standard on "Hydro-Tridem").

### Steering axles

The Silo-SPACE 20/40 model is equipped with a rear free steering axle but it is also possible to replace it by a self steering axle (option). The Silo-SPACE 22/45, 24/45 and 26/50 models are respectively fitted with one or two rear self steering axles.



The steering cylinder is controlled by a sensor cylinder clamped to the drawbar by means of a knee-joint. The system is balanced thanks to the compensated cylinders, which exert a similar force in both directions. The circuit is fitted with a one-piece set-up unit including a pressure gauge, two nitrogen accumulators, an aligning valve and a calibrating circuit.



### Grip systems

Provided they are equipped with a hydropneumatic suspension, the **JOSKIN** Silo-SPACE silage trailers can be fitted, in option, with a load transfer cylinder (3rd hydraulic point). This device allows to transfer some load on the front tractor axle, which considerably improves the carriage safety and the driving comfort in fields.

The triple-axle **JOSKIN** Silo-SPACE 24/45 and 26/50 models are standard fitted with the front lifting axle.



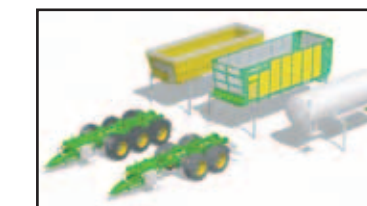
### Braking system

The 20/40 and 22/45 models are fitted with hydraulic brakes and the 24/45 and 26/50 models with air brakes (in option on the 20/40 and 22/45). In option, the whole **JOSKIN** Silo-SPACE range can be fitted with a dual braking system (hydraulic and air brakes).

In Germany, the air braking system is still compulsory for all our **JOSKIN** Silo-SPACE models, while the dual braking system is forbidden.

Eventually, a vehicle with air brakes can also be completed by a braking system in proportion to the load (compulsory for 40 km/h certification in Germany).

### CARGO Concept



The CARGO TSM and TRM multi-module carriers are ready to transport your silage box... as well as your future slurry tank, monocoque tipping box or spreading box.