

NEW

PENDITWIST BASIC & PENDISLIDE BASIC



Very enthusiast about innovations, the JOSKIN brand extends its range of rear implements with 2 new models: the Penditwist Basic, a line spreading boom to fertilize arable lands, and the Pendislide Basic, a line spreading boom with skids to fertilize meadows. Characterized by a very easy assembly and a perfect autonomy, these novelties are aimed for small tankers in order to provide farmers with the same spreading quality as with a contractor's machine.



It is no secret that in order to spread successfully, the good quantity of the appropriate fertilizer has to be spread at the right time and place. However, it can only happen with an appropriate implement. Within the frame of an ever-strengthening legislation, this criterion is not an option anymore but it becomes compulsory. Spreading is not trivial. If the slurry is not properly spread, high quantities of ammonia can be released, both in the hours and days following the spreading. These ammonia losses are not without consequences. Next to environmental damage, this gas is also the main cause of unpleasant odours, which are often not very well accepted by neighbours. They also have financial consequences. The extra costs resulting from the purchase of mineral nitrogen fertilizers, which aim at compensating losses, are indeed far from insignificant. This shortfall can indeed reach hundreds of euros per hectare.

TWO VERY EXPECTED MODELS

As a recognized and experienced player on the market of rear implements, JOSKIN understood the real potential of slurry quite a long time ago and tried to improve the spreading techniques very early. For more than 30 years, it has been acquiring a significant technical advance in the development of quality injection implements that are necessary to achieve a durable and responsible agriculture. This advance is clearly to be seen on the line spreading booms from its range. They aim at limiting the contact between slurry and the air as much as possible. By laying

the slurry as close as possible from its target, they indeed prevent its division and significantly reduce the ammonia losses due to volatilization. The efficiency of the nitrogen is thereby significantly increased, resulting in a reduction of the purchase costs of mineral fertilizers and a higher work precision.

If the demand for such products has not stopped increasing these last years, a part of it was mainly coming from owners of tankers without linkage nor buttresses. Wishing to meet their expectations, JOSKIN is today proud to announce the extension of its range with the introduction of two new spreading booms: the *Pendislide Basic* and the *Penditwist Basic*.

AUTONOMOUS SPREADING BOOMS

Next to a lightened structure made of high tensile steel profile tubes, these 2 models are fully galvanized for an optimal protection and a long lifespan. In order to be compatible with small tankers, the dimension of these booms was adapted accordingly. Two working widths are therefore available for each boom: 6 m (24 outlets) or 7.5 m (30 outlets) with 25 cm spacing for a homogeneous distribution of the slurry.

The *Pendislide* and *Penditwist Basic* differ from the existing models because of their simplicity and autonomy. These features are by the way already appreciated at the assembly. These 2 booms do indeed not require any linkage nor rear buttresses on the tanker. They were designed to be fastened quickly and



easily on a Ø 600 mm manhole. The 2 fixing arms are directly bolted on the tanker bracket. In this way, these 2 new models can easily be mounted on new and existing tankers without having to add extra pieces of equipment. They are also compatible with the ALPINA2 and MODULO2 models if the wheel diameter is lower than 1,820 mm. If there is a linkage on the tanker, these booms are also compatible.



SMALL BUT COMPLETE!

Let things be clear: the name “Basic” is only related to this simplification. As regards features, these models include a high number of high-tech pieces of equipment that will please most users. Every boom is indeed fitted with:

- A **vertical SCALPER® macerator (1)** allowing to distribute the slurry homogeneously, whatever its type. Thanks to its system of self-sharpening circular blades mounted on HARDOX blade holders, this macerator allows not only to improve the flow of highly fibrous slurries but also to cut systematically all foreign bodies, and finally to distribute the slurry uniformly in the various line hoses. A stone trap is also integrated in the device in order to remove unwanted elements from the liquid flow.
- A **LOCK MATIC secure hydraulic folding system (2)**. During transport, the boom is automatically locked by means of a clamping system on a stop device that is directly integrated on its

frame. This autonomous rear folding system allows not only to keep a maximum compactness once the boom is folded but also to avoid the possible addition of frameworks on the tanker.

- The **TWIST anti-drip system (3)**. It lifts the boom and therefore prevents any slurry drops on the road or losses in the field when manoeuvring.
- A **set of continuous hoses**. Despite the anti-drip lifting system, the hoses between the macerator and the outlets on the ground are in one piece. The absence of connections ensures an optimal slurry flow.
- A **6” manual flow adjusting valve (4)** allowing to easily adjust the spreading flow.
- The possibility to spread, as an option, with an **exact scatterer (5)** without having to disassemble the boom.
- An **autonomous electrohydraulic equipment (6 a,b,c)**. An automaton with control box is indeed part of the standard equipment of the boom and

it is directly connected to the tractor. Only a single-acting connection, a free return plug, a Load Sensing signal (unpluggable) and an electric plug are necessary for it to work properly. Once again, no pre-equipment is required on the tanker. The boom can also be delivered without automaton in order to be directly connected on the tanker if the vehicle is fitted with an automaton.

- A **feeding hose through a 6" outlet** directly on the manhole. This diameter allows to constantly feed the boom with the appropriate flow.
- **Lights (5)** in order to meet the road standards of all countries.

Thank to this equipment, the *Penditwist* and *Pendislide Basic* will allow to increase the yield of meadows or arable lands while complying with the most restrictive legal prescriptions. Furthermore, given the minimization of the volatile losses and their low price, they will provide all users with an outstanding return on investment.

Taking into account all these features and the first backgrounds we received, a thing seems now to be clear: ammonia losses should soon become a thing of the past for all! 🇯🇵



HOW TO CHOOSE?

Even if both booms have the same basic design, each one carries out a different action meeting very specific needs:



The *Penditwist Basic*, first of all, is of significant interest for the agronomy: its line spreading hoses close to the ground allow to lay the slurry at the foot of the plant without slowing down its growth. Thanks to this system, the contact between the volatile elements in the slurry and the air is therefore reduced as much as possible. These features make of this spreading boom an implement that is particularly suited to the fertilization of arable lands.



The *Pendislide Basic* will be rather used to fertilize meadows. This spreading boom is fitted with wear-resistant Ertalon skids applying a continuous pressure on the ground by means of a system of spring leaves. By moving apart the vegetation, these skids ensure a precise distribution of the nutrients close to the roots without dirtying the leaves or fodder.

And there is more good news: future users can be reassured, if their needs are multiple or evolve through time, it won't be necessary to buy a model of each boom. A kit allowing to fit the skids of the *Pendislide Basic* on the *Penditwist Basic* is indeed available and will be offered as an option.