

JOSKIN

EN LIVESTOCK AND GRASS CARE RANGE



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**A WIDE RANGE SUITED
TO YOUR NEEDS OF LIVESTOCK FARMER**

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 60 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.



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Technical Centre (Poland)



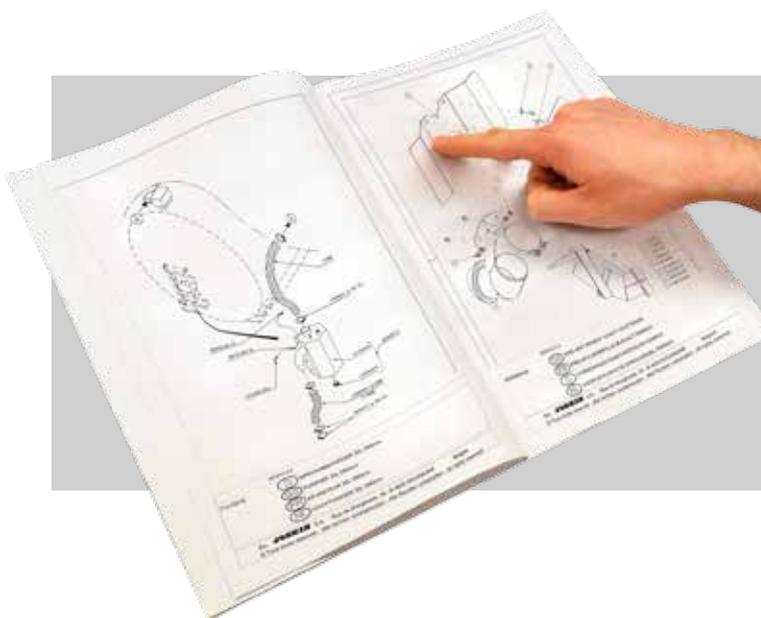
RESEARCH and DEVELOPMENT

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!

RANGE OF PASTURE TOPPERS AND CHOPPERS

BEV



P.6

- Ideal for small tractors with low power (max. 60 hp)
- Single rotor with 3 blades
- Working width: 1.30 and 1.60 m

TR



P.7

- Working widths from 1.80 to 3.60 m.
- Front-mounted, rear-mounted or rear-mounted with side offset
- Belt pulley drive

TRT



P.8

- Max. working width of 7.50 m
- Combination possible with front-mounted, rear-mounted or rear-mounted rotary pasture topper with side offset

BJ



P.9

- Working width from 2.75 to 3.15 m
- Front or more rear-mounted
- Blades with high inertia
- Driven by gearbox and P.T.O.-shaft

AERATOR RANGE

BF GARDEN



P.12

- Hitching for horticultural tractor (cat. 1, 22 mm)
- Working width from 1.20 to 3.60 m

BF



P.13

- Agricultural quick coupling (cat. 2, 28 mm)
- Working width from 2.40 to 5.40 m

EBR4S2



P.14

- Working width from 2.40 to 6.60 m
- Anti-vibration spring

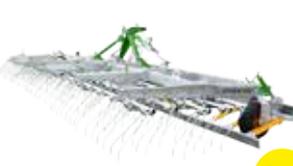
SCARIFLEX R6S6



P.15

- 6 rows of flexible tines
- Heavy comb harrow
- Working width from 4.80 to 9.60 m

SCARIFLEX R6S5



P.16

- 6 working rows, 5 of which are of flexible tines
- 1 row of levelling scrapers
- Working width from 4.80 to 9.60 m

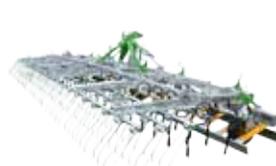
SCARIFLEX R5S3



P.17

- 5 working rows, 3 of which are of flexible tines
- 2 rows of scrapers
- Working width from 4.80 to 9.60 m

SCARIFLEX MAX R6D2S3



P.18

- 1 row of 60 cm leveling scrapers on half-flexible leaves
- 2 rows of scarifying shares
- 3 rows of flexible tines
- 1 row of scrapers on spring tines at the front (option)
- Working width 6.00 and 7.20 m

RENOVA



P.19

- Aggressive work
- High working depth
- Half-hard scarifying shares to regenerate meadows
- Working width from 2.40 to 7.40 m

LIVESTOCK TRAILER RANGE

BETIMAX R



P.22

- Painted monocoque body
- Loading ramp
- Floor made of chequered plate

BETIMAX RDS



P.23

- Galvanized or painted monocoque body
- Reclining system and hitching suspension
- Floor made of resin or chequered plate

WATER BOWSER RANGE

WATER BOWSERS



P.26

- Static
- Mobile
- Aquatrans XL



PASTURE CHOPPERS AND TOPPERS

Advantages and Common Points

MOWING...

In pastures, part of the grass is not eaten by the cattle: the trampled, spoiled or smelly vegetation. These "remains" are wasted as forage and they probably will for the whole season, as they will never be eaten by the cattle. They are also detrimental to the grass quality and to the meadow profitability.

It would then be a good thing to mow them so that your pasture can quickly and evenly grow again. In this way, they won't end up in the silage, the forage will have a better quality and will also better be digested by the cattle (between 0.5 and 1 extra kg dry matter absorbed per cow), leading to lower needs in concentrates.

Finally, mowing the remains helps to protect the vegetation against weed and parasites. As you can see, it only brings on advantages for the livestock breeder.

More technical arguments are also in favour of the pasture topper: easily adjustable cutting height, sturdiness, reliability and limited maintenance.

CLEAN AND VENTILATED CUT

JOSKIN has designed removable and retractable floating blades in order to ensure a quality cutting. They retract when striking into too hard obstacles.

This technical solution spares the transmission and therefore optimally protects your tractor against shocks. Thanks to the large free space between the blades and the frame, the air can flow freely and the chopped matter is mixed without slowing down or being blocked.

The spiral movement of the blades sucks the vegetation upwards (as a tornado), In this way, it is smoothly and efficiently cut. It is HIGHLY VENTILATED! The grass is perfectly spread thanks to the deflectors installed in the casing.

REAR-MOUNTED MACHINE

The 3-point hitch allows to carry the machine while driving but, while working, it is simply trailed by the 2 lower points, as the 3rd one is floating. Thanks to this special design, the pasture toppers can follow the ground unevennesses.



FRONT-MOUNTED

The floating 3rd point of the machine in working position is only kept for front pasture toppers. These are hitched by means of a central beam that trails the machine at the front. The back of the pasture topper is simply supported by a sliding guide. As a result, the machine can "float" freely on the ground. Besides, the double hitching spring makes the continuous contact on the ground lighter.



CHOPPERS

BEV



ONE SINGLE ROTOR WITH EASY MAINTENANCE

The BEV chopper is derived from the traditional agricultural choppers and especially designed to maintain open spaces. It is fitted with one single rotor mounted on a speed-increasing gearbox that drives 3 removable and retractable floating blades (which retract when striking into too hard obstacles).

It is driven at 540 rpm by a P.T.O.-shaft with shear bolt.

Choppers for open spaces are standard fitted with two wide skids (150 mm) that allow to set the cutting height in 6 different positions, between 40 and 150 mm, according to your own needs.

A deflector, mounted at the back of the machine, prevents projections of stones and other foreign bodies, which could be dangerous.

Thanks to the pivoting hitch (compatible \varnothing : 22 mm and 28 mm), an offset on the left or right is possible (by successive stages of 75 mm (max. 225 mm for BEV/160/C1, 150 mm for BEV/130/C1).



BEV choppers are fitted with a rotor with 3 blades of the "TD type"

SPECIFICATIONS

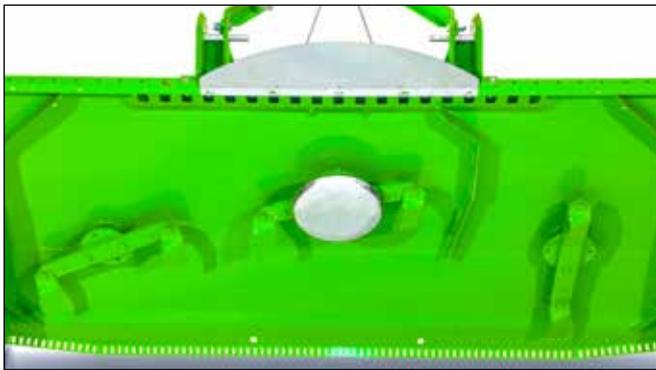
Constituent	HLE steel
P.T.O.-shaft	540 rpm
Drive	Directly on the gearbox (60 hp)
Contact surface with the ground	Skids of 150 mm and \varnothing 330 mm galvanized disc
Protection plates	Front and rear on hinges (standard)
Hitching	\varnothing 22 mm or \varnothing 28 mm

BEV MODELS

	Working width (m)	Transport width (m)	Rotor	Drive	Min./max. required power (hp)	Weight (kg)
BEV/130/C1	1.30	1.60	type 3	540 rpm	12/60	180
BEV/160/C1	1.60	1.90	type 3	540 rpm	18/60	280

PASTURE TOPPERS

TR



TR pasture toppers are fitted with several small rotors (2, 3, 4 or 2 x 3). Each of them is fitted with a blade holder with two retractable blades of the "TD type" that can turn on 360°

SPECIALIST IN MEADOW REMAINS

The pasture topper is the ideal tool because it chops and spreads the grass: in this way, the remains are turned into fertilizer. Besides, the chopped residue is well digested by young calves and dry cows.

More technical arguments are also in favour of the pasture topper: easily adjustable cutting height, sturdiness, reliability and limited maintenance.



The different rotors are driven by 2 V-belts

SPECIFICATIONS

Constituent	HLE steel
P.T.O.-shaft	540 rpm
Drive	Belts
Contact surface with the ground	Skids of 150 mm and Ø 330 mm galvanized disc(s)
Protection plate	Rear (pre-equipped for anti-projection chains)
Hitching	Ø 22 mm or Ø 28 mm
Option	Rear galvanized aerator with 2 rows of flexible tines

DTH3

For users who do not want to drive on remains because they would get crushed before being cut, the best solution is the TR DTH3 (rear-mounted with right offset as standard).



TR MODELS

		Position	Number of rotors	Min./max. required power (hp)	Ø 330 mm disc std./max.	Working width (mm)	Transport width (m)	Weight (kg)
TR/180/C2		Central rear	2	25/70	0/2	1,810	2,10	350
TR/220/C3			3	25/80	1/3	2,200	2,50	400
TR/270/C3			3	45/85	1/3	2,700	3,00	480
TR/360/C4			4	70/110	2/4	3,600	3,90	640
TR/270/DTH3		Rear-mounted with full offset (right offset as standard)	3	45/85	1/3	2,700	2,45	950

PASTURE TOPPERS

TRT / ATR



WIDE ROTARY PASTURE TOPPER

The TRT rotary pasture topper carries out the same work as the TR: it chops and spreads the grass, turning in this way the remains into fertilizer. As a result, the chopped residue is well digested by young calves and dry cows.

The TRT topper is rear-mounted and can be combined with a front-mounted ATR. The central frame allows to unfold it on both sides and, in combination with an ATR 270, to mow over 7.50 m in one single passage.



For safety reasons when driving, a mechanical lock prevents the arms from opening



SPECIFICATIONS

Constituent	HLE steel
P.T.O.-shaft	Front-mounted (ATR) 1,000 rpm Rear-mounted (TRT) 540 rpm
Drive	Belts
Contact surface with the ground	Skids of 150 mm and Ø 330 mm galvanized disc(s)
Protection plate	Rear (pre-equipped for anti-projection chains)
Hitching	Ø 28 mm

TRT/ATR MODELS

		Position	Number of rotors	Min./max. required power (hp)	Ø 330 mm disc std./max.	Working width (mm)	Transport width (m)	Weight (kg)
TRT/750/C6		Double offset (left or right) to combine with ATR/270/C3	2 x 3	100/200	2/6	7,500	2,50	1,700
ATR/220/C3		Central front with adjustable spring suspension	3	25/80	1/3	2,200	2,50 3,00	490
ATR/270/C3			3	45/85	1/3	2,700		570

CHOPPERS

BJ



BR-type blades (type 3), 2.14 kg pce

SPECIFICATIONS

Constituent	HLE steel
P.T.O.-shaft	1,000 rpm
Drive	Rigid axes protected by silent-blocks
Contact surface with the ground	Skids of 150 mm and Ø 330 mm galvanized disc(s)
Protection plates	Front and rear
Hitching	Ø 28 mm

MULTI-FUNCTIONAL IN ALL SITUATIONS

Mowing leftovers in your pastures, chopping your fallows or clearing small shrubs (max. 30 mm) are works that require multi-functional and strong machines. That is why JOSKIN designed the BJ choppers, in order to meet your needs. They have a strong construction as well as heavier blades, which therefore have a higher inertia. The blades are mounted on pivoting points and can therefore turn on 360°.

Torsion couplings are mounted on the transmission shafts to further improve the security of the machine and to make the drive smoother. As they are made of rubber, they absorb the operating vibrations and possible shocks.



Transmission with four rubber couplings

BJ MODELS

	Working width (m)	Transport width (m)	Number of rotors	Rotors	Drive	Min./max. power	Weight (kg)
BJ/275/C2	2.75	3.00	2	type 3	1,000 rpm	75/125	680
ABJ/275/C2	2.75	3.00	2	type 3	1,000 rpm	75/125	770
BJ/315/C2	3.15	3.40	2	type 3	1,000 rpm	75/125	760



MEADOW AERATORS

Advantages and Common Points



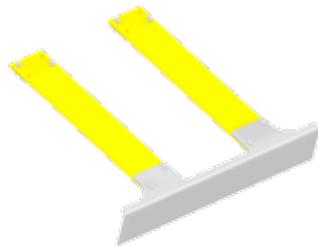
ADVANTAGES

Harrowing means:

- aerating the ground properly as well as increasing nitrification to the detriment of acidification;
- making the ground easy to penetrate for rain water and air;
- destroying moss and other weed;
- distributing farm manure so that it can decompose more easily, thereby increasing its fertilizing value.

STANDARD TOOLS

Levelling scrapers (60 cm). They spread muck and grass heaps as well as molehills. As they are very wide, they ensure a wide and regular distribution on the whole pasture.



Spreading paddles of 10 or 15 cm depending on the models. They follow the ground shape precisely in order to remove unfavourable elements, spread dung and other heaps, chase away larvae as well as pull up remains, dock and thistles.

Flexible tines. They work smoothly to clean, aerate, spread and scarify. In this way, they regenerate and revive the vegetation more evenly.



Scarifying shares. For a deep rooting and aeration.

PASTURE CARE

It is advised to make use of the meadow aerator in the beginning of the season and shortly after the end of grazing. Slightly and superficially harrowing in order to spread dung is still very profitable. Moreover, a rainy and humid weather will boost the efficiency of the machine and the evening dew will be ideal for dry weather periods.

Be aware that using the meadow aerator in summer may delay the grass growth when working too aggressively. In case of a long period of drought, it is therefore better to postpone this work or to adjust the pressure of the machine to a minimum. On the contrary, when expecting a rain period in a short time, the meadow aerator can be used freely as it will enable the ground to benefit from the rain.

Chop the large remains before aerating. Otherwise, dung will stick to it and not be spread properly. That is why it is interesting to combine the aerator with the JOSKIN rotary pasture topper.

Before and after the winter, meadows are strongly worked on with the whole machine weight and, most important, with the tines allowing to air the ground and tear off dead grass.

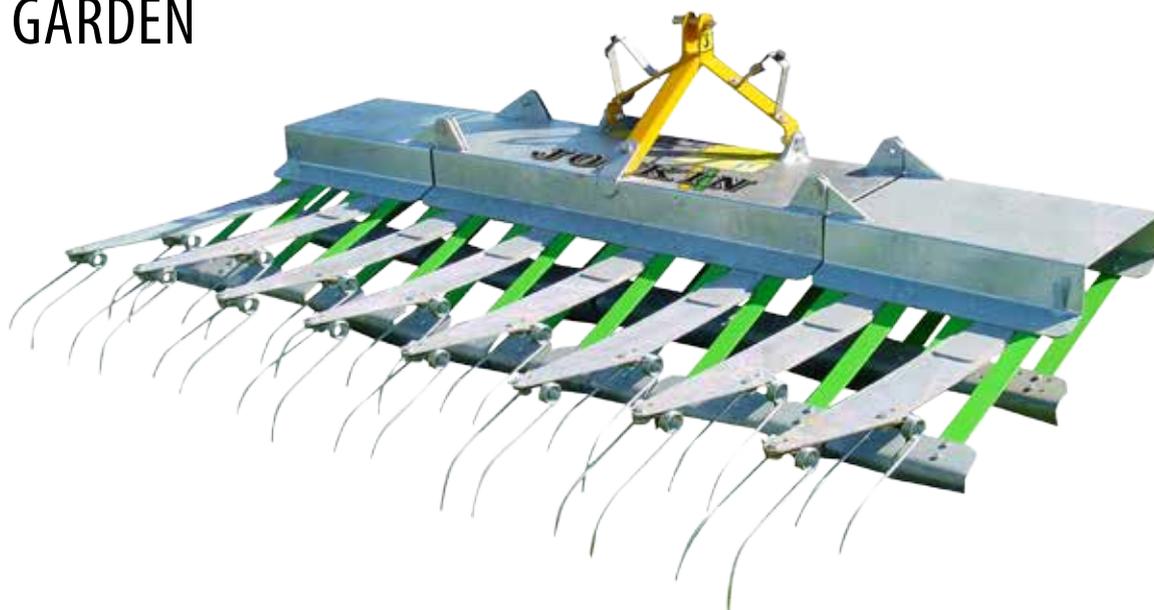
It is important to regularly maintain the pastures in order to preserve the good grass. Using a meadow aerator and a pasture topper prevents weed from spreading to neighbouring grounds.



Results after the passage of the aerator

MEADOW AERATORS

BF GARDEN



SPECIFIC FOR GARDENS

The economical JOSKIN GARDEN BF meadow aerators are a variant of the BF series, especially designed for horticultural micro-tractors. Machines are of course smaller so that they can work in parks and gardens. The central frame can have different lengths so that it is suitable for different tractors.

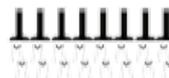


SPECIFICATIONS

- The machine can be easily and quickly hitched to horticultural tractors (cat. 1) by means of the Ø 22 mm round rod (standard).
- Manual folding and unfolding on models 240 to 360.
- Fully galvanized frame.

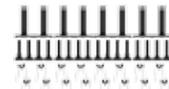
Views

BF-R3S2



Spreading paddles (30 cm) on half-flexible leaves
Flexible tines (2 rows)

BF-R4S2



Levelling scrapers (60 cm) on half-flexible leaves
Spreading paddles (15 cm) on very flexible leaves
Flexible tines (2 rows)

SPECIFICATIONS

Use	Harrowing dung and aerating the ground
Constituent	Special steel
Leaves	Shot-blasted and painted leaves in treated steel
Hitching	By Ø 22 mm round rod for horticultural tractor
Unfolding	Manual

BF GARDEN MODELS

	120	150	180	210	240	with manual folding				
	1,2	1,5	1,8	2,1	2,4	0,6 + 1,2 + 0,6	0,6 + 1,5 + 0,6	0,6 + 1,8 + 0,6	0,6 + 2,1 + 0,6	0,6 + 2,4 + 0,6
BF-R3S2	80 kg	95 kg	110 kg	125 kg	140 kg	140 kg	155 kg	170 kg	180 kg	235 kg
BF-R4S2	100 kg	/	145 kg	/	190 kg	190 kg	/	260 kg	/	280 kg

MEADOW AERATORS

BF



SPECIFICATIONS

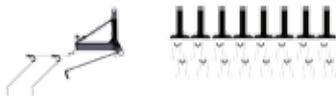
- The machine can be easily and quickly hitched by means of the round rod of Ø 22 mm on model 240 and Ø 28 mm on other models (standard).
- Manual folding and unfolding on models 360 and 420 and hydraulic on models 480 and 540.

EFFICIENT AND LIGHT

The JOSKIN BF meadow aerators are easy and compact machines resting on a folded beam frame. They are fitted with spreading paddles on half-flexible leaves (BF-R3S2 model) or very flexible leaves (BF-R4S2 model), flexible tines (Ø 7 mm) or levelling scrapers (BF-R4S2 model). The machine is only to be adjusted by the 3rd point tie rod.

Views

BF-R3S2



Spreading paddles (30 cm) on half-flexible leaves
Flexible tines (2 rows)

BF-R4S2



Levelling scrapers (60 cm) on half-flexible leaves
Spreading paddles (15 cm) on very flexible leaves
Flexible tines (2 rows)



SPECIFICATIONS

Use	Harrowing dung and aerating the ground
Constituent	Special steel
Leaves	Shot-blasted and painted leaves in treated steel
Hitching	Quick hitching by round rod (Ø 22 mm on type 240 - Ø 28 mm on other types)
Unfolding	Hydraulic (SA) from 4.80 m

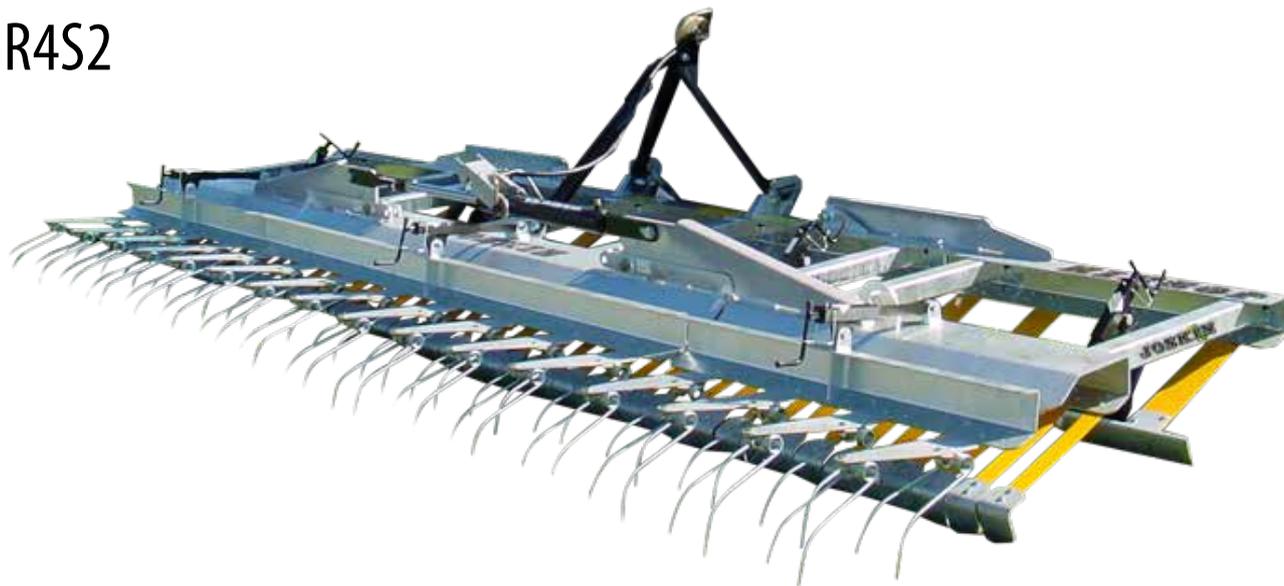


BF MODELS

	with manual folding				with hydraulic folding	
	240	300	360	420	480	540
	2,4	3,0	0,6 + 2,4 + 0,6	0,6 + 3,0 + 0,6	1,2 + 2,4 + 1,2	1,2 + 3,0 + 1,2
BF-R4S2	160 kg	190 kg	225 kg	255 kg	360 kg	395 kg
BF-R3S2	210 kg	255 kg	300 kg	345 kg	460 kg	505 kg

MEADOW AERATORS

EBR4S2



THE REFERENCE

The JOSKIN EBR4S2 are traditional aerators fitted with a mechanically welded frame with a spring allowing to limit vibrations at work.

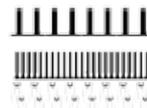
The machine is made up of 4 rows of tools with a large free space between them so that the work of one row is over before the next one starts working. The first row of tools is adjusted by means of gauge wheels, the second by means of the 3rd point length and the third and fourth ones (Ø 7 mm flexible tines) by means of a crank on a pivoting point.



SPECIFICATIONS

- 3rd point connected to the frame through a chain to better follow the shape of the surface.
- Can easily be mounted on different tractors by means of the hitching rod.
- Safety device to keep the machine folded when driving.
- Unlocking the safety device from the cabin (cord).
- Hydraulic folding and unfolding of the extensions on models 480 to 660 by single-acting hydraulic ram.
- Adjustment of the working height.

Views



1 x levelling scrapers (60 cm)
on half-flexible leaves
1 x spreading paddles
(10 cm) on very
flexible leaves
2 x flexible tines

SPECIFICATIONS

Use	Harrowing dung and aerating the ground
Constituent	Special steel
Leaves	Shot-blasted and painted leaves in treated steel
Hitching	Quick hitching by round rod (Ø 22 mm on type 240 - Ø 28 mm on other types)
Unfolding	Hydraulic (SA) from 4.80 m

EBR4S2 MODELS

240
2.4
300 kg

300
3.0
355 kg

with folding

360
0.6 + 2.4 + 0.6
440 kg

420
0.6 + 3.0 + 0.6
500 kg

480
1.2 + 2.4 + 1.2
680 kg

with hydraulic folding

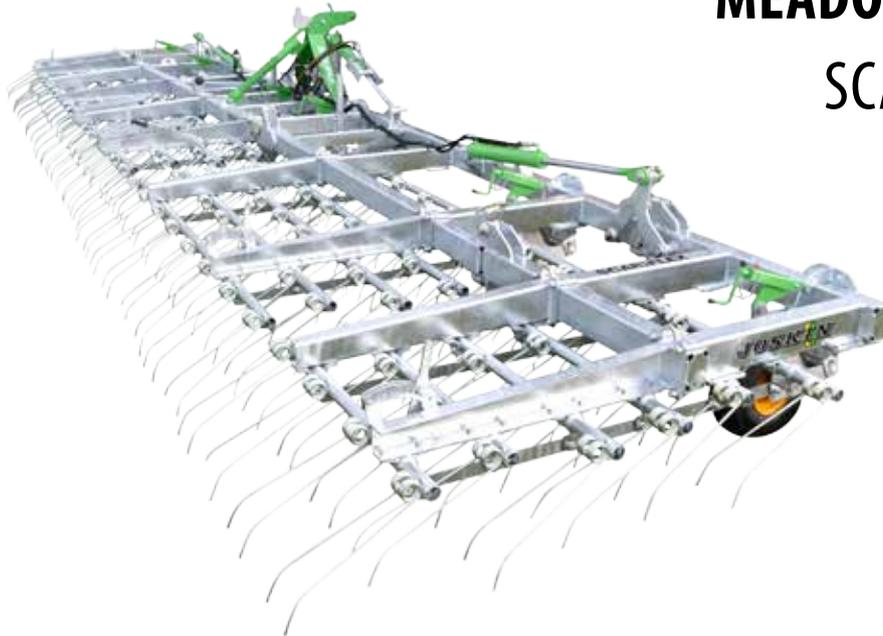
540
1.2 + 3.0 + 1.2
755 kg

600
1.8 + 2.4 + 1.8
805 kg

660
1.8 + 3.0 + 1.8
820 kg

MEADOW AERATORS

SCARIFLEX R6S6



SPECIFICATIONS

- 3rd point connected to the frame through a spring to better follow the shape of the surface and limit vibrations.
- SA hydraulic unfolding on models from 4.80 to 7.20 m and DA on 8.40 and 9.60 m.
- Safety device to keep the machine folded when driving.
- Unlocking the safety device from the cabin (cord).
- Adjustment of the tines with a lever on each element for the same angle on each tine.
- Rubber gauge wheels (375 x 150 mm - pressure: max. 2 bar) (4 on models from 4.8 to 7.2 m and 6 on models of 8.4 and 9.6 m).

Views



6 x flexible tines
(Ø 8 mm)

WEEDER HARROW

The SCARIFLEX R6S6 only has flexible tines that are distributed over 6 rows with a total spacing of only 25cm. They ensure, thanks to their "vibrating" effect, a complete work on the ground, not only on meadow, but also on grasslands or tillage lands, by way of mechanical weeding techniques, notably in the biological agriculture.

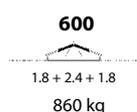
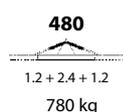
The SCARIFLEX R6S6 is a perfect weeder harrow to scarify meadows.



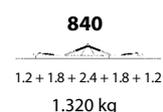
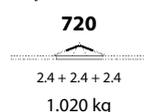
SPECIFICATIONS

Use	Scarifying
Manufacturing	Special steel
Leaves	/
Hitching	Agricultural (28 mm)
Unfolding	Hydraulic folding (SA from 4.80 to 7.20 m - DA for 8.40 and 9.60 m)

SCARIFLEX R6S6 MODELS



with hydraulic folding



MEADOW AERATORS/SCARIFIERS

SCARIFLEX R6S5



SCARIFIER

The R6S5 model includes a row of scrapers (to harrow molehills and spread dung) and 5 rows of flexible tines.

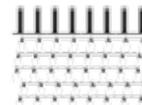
In this way, scarifying is improved, just like mechanical weeding.



SPECIFICATIONS

- 3rd point connected to the frame through a spring to better follow the shape of the surface and limit vibrations.
- SA hydraulic unfolding on models from 4.80 to 7.20 m and DA on those of 8.40 and 9.60 m.
- Safety device to keep the machine folded when driving.
- Unlocking the safety device from the cabin (cord).
- Adjustment of the tines with a lever on each element for the same angle on each tine.
- Rubber gauge wheels (375 x 150 mm - pressure: max. 2 bar) (4 on models from 4.8 to 7.2 m and 6 on models of 8.4 and 9.6 m).

Views



1 x levelling scrapers (60 cm) on half-flexible leaves
5 x flexible tines (Ø 8 mm)

SPECIFICATIONS

Use	Harrowing dung and molehills, aerating and scarifying
Manufacturing	Special steel
Leaves	Shot-blasted and painted leaves in treated steel
Hitching	Agricultural (28 mm)
Unfolding	Hydraulic folding (SA from 4.80 to 7.20 m - DA for 8.40 and 9.60 m)

SCARIFLEX R6S5 MODELS

with hydraulic folding

480

1.2 + 2.4 + 1.2
820 kg

600

1.8 + 2.4 + 1.8
920 kg

720

2.4 + 2.4 + 2.4
1.080 kg

840

1.2 + 1.8 + 2.4 + 1.8 + 1.2
1.400 kg

960

1.2 + 2.4 + 2.4 + 2.4 + 1.2
1.560 kg

MEADOW AERATORS/SCARIFIERS

SCARIFLEX R5S3



SPECIFICATIONS

- 3rd point connected to the frame through a spring to better follow the shape of the surface and limit vibrations.
- SA hydraulic unfolding on models from 4.80 to 7.20 m and DA on those of 8.40 and 9.60 m.
- Safety device to keep the machine folded when driving.
- Unlocking the safety device from the cabin (cord).
- Adjustment of the tines with a lever on each element for the same angle on each tine.
- Rubber gauge wheels (375 x 150 mm - pressure: max. 2 bar) (4 on models from 4.8 to 7.2 m and 6 on models of 8.4 and 9.6 m).

Views



- 1x levelling scrapers (60 cm) on half-flexible leaves
- 1 x spreading paddles (10 cm) on very flexible leaves
- 3 x flexible tines (Ø 8 mm)

SPECIFICATIONS

Use	Harrowing dung and molehills, aerating and scarifying
Constituent	Special steel
Leaves	Shot-blasted and painted leaves in treated steel
Hitching	Agricultural (28 mm)
Unfolding	Hydraulic folding (SA from 4.80 to 7.20 m - DA for 8.40 and 9.60 m)

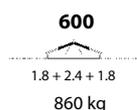
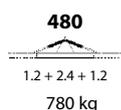
COMBINED MACHINE

Fitted with 5 rows of tools, the JOSKIN SCARIFLEX R5S3 has all the qualities to be the best compromise between dung spreading harrow, meadow aerator and weeder harrow.

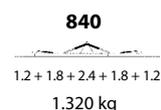
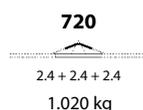
Its strong rectangular beam structure supports the rows of scrapers and paddles, while the three rows of flexible tines are fixed to the large steel sections. The standard gauge wheels and the 3rd point tie rod allow to adjust the constant ground pressure of the scrapers, while a lever adjust that of the 3 rows of flexible tines .



SCARIFLEX R5S3 MODELS

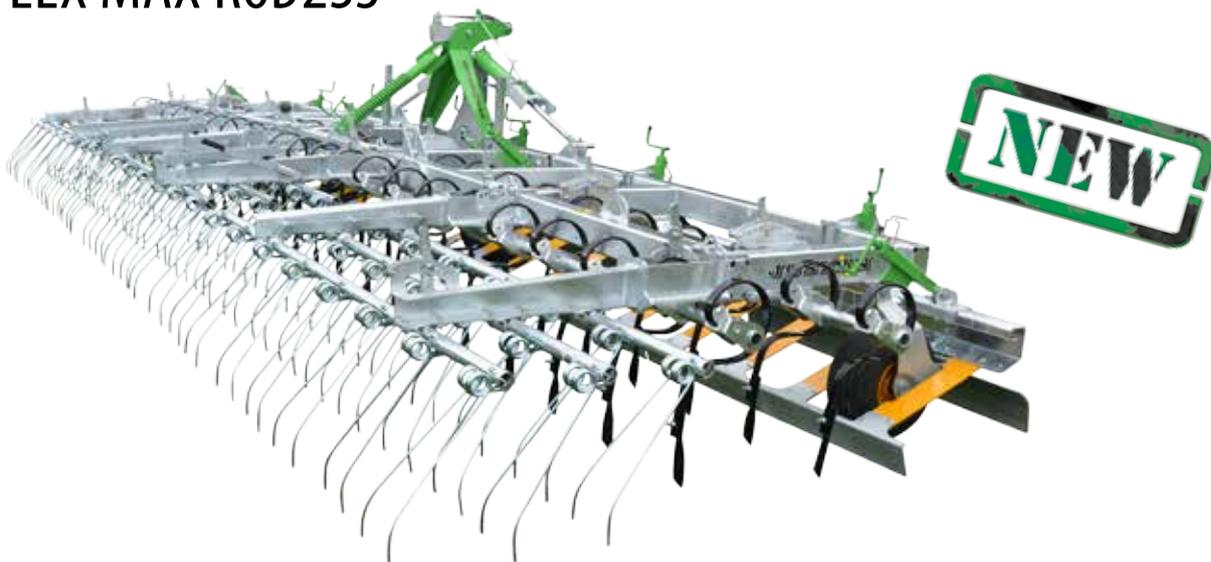


with hydraulic folding



MEADOW AERATORS/REGENERATORS

SCARIFLEX MAX R6D2S3



A MULTI-PURPOSE SOLUTION TO HARROW AND REGENERATE YOUR MEADOWS

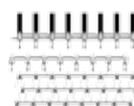
The new SCARIFLEX MAX is fitted with 6 rows of 3 different tools, the working depth of which can be individually adjusted according to the tasks to carry out. To regenerate the meadow, it is fitted with more aggressive tines working more deeply. The independent adjustments allow to lift the unnecessary tools.



SPECIFICATIONS

- 3rd point connected to the frame through a spring to better follow the shape of the surface and limit vibrations.
- Single-acting hydraulic unfolding.
- Safety device to keep the machine folded when driving.
- Unlocking the safety device from the cabin (cord).
- Adjustment of the tines with a lever on each element for the same angle on each tine.
- Rubber gauge wheels (375 x 150 mm - pressure: max. 2 bar) (4 on models of 6 m 7.2 m).

Views



1 x levelling scrapers (60 cm)
on half-flexible leaves
2 x scarifying shares
3 x flexible tines (Ø 8 mm)

SPECIFICATIONS

Use	Harrowing dung and molehills, aerating, scarifying and working deeply
Constituent	Special steel
Leaves	Shot-blasted and painted leaves in treated steel
Hitching	Agricultural (28 mm)
Unfolding	Hydraulic (SA 6 m and 7.20 m)

SCARIFLEX MAX R6D2S3 MODELS

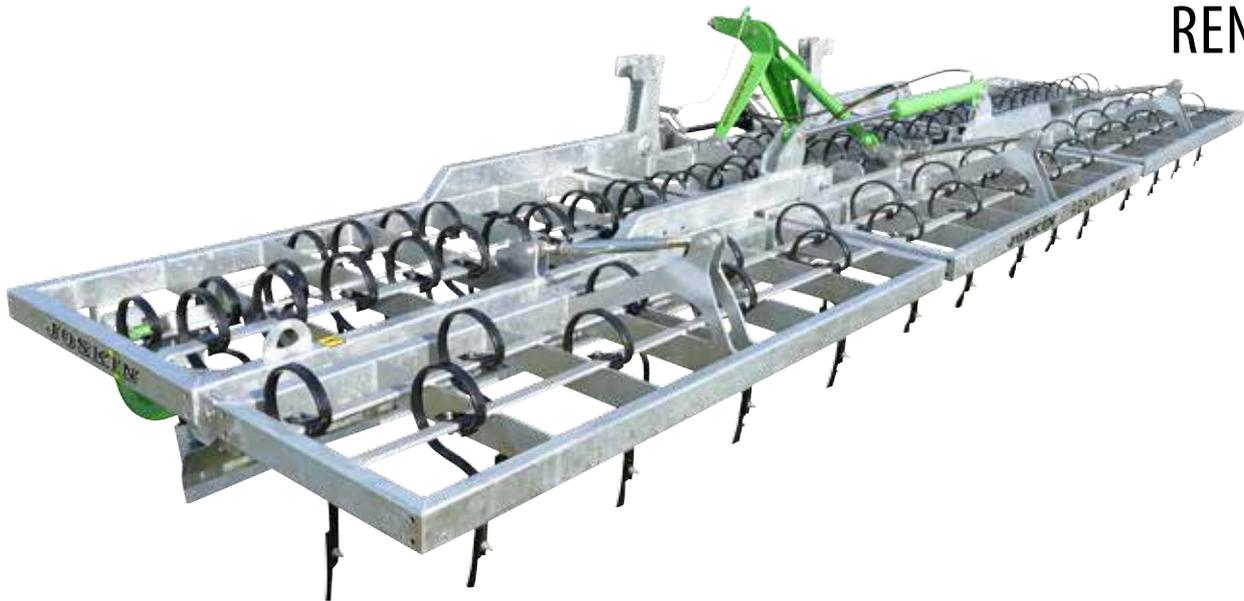
with hydraulic folding

600
1.8 + 2.4 + 1.8
1.100 kg

720
2.4 + 2.4 + 2.4
1.300 kg

PASTURE RENOVATOR

RENOVA



SPECIFICATIONS

- Transport width not exceeding 2.50 m.
- Tools mounted on flexible tines.
- Can easily be mounted on different tractors by means of the hitching rod.
- Hydraulic folding and unfolding of the extensions on models RENOVA 400, 500, 600 and 740.
- Adjustment of the gauge wheels by a crank.
- Depth adjustment of the scarifier through gauge screw

REGENERATE YOUR MEADOWS

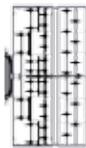
The RENOVA is a harrow with levelling blades, scraping blades and half-rigid scarifying shares.

It flattens shape differences, cow dungs, molehills and spoils. Scraping and crumbling the shapes of the surface cause a superficial mineralization.

The levelling blades as well as the scarifying shares allow to dig in the roots very deep in an, until now, unexploited area, which makes in this way the plant grow faster and improves the productivity of the meadow.

The gauge wheels make sure the machine has a proper height.

Views



1x 25° levelling blades
1x scraper blades
2x scarifying shares

SPECIFICATIONS

Use	Regeneration
Manufacturing	Special steel
Leaves	Galvanized steel leaves
Hitching	Quick hitching by round rod (Ø 22 mm on type 240 - Ø 28 mm on other types)
Unfolding	Hydraulic (SA from 4 m)



RENOVA MODELS

240



2,4

550 kg

400



0,8 + 2,4 + 0,8

900 kg

500



1,3 + 2,4 + 1,3

1.145 kg

with hydraulic folding

600



1,8 + 2,4 + 1,8

1.330 kg

740



2,5 + 2,4 + 2,5

1.500 kg

MEADOW AERATORS

Accessories and Common Options



SEEDERS (EB AND SCARIFLEX)

It is possible to fit your aerator with an electric or pneumatic seeder.

The electric roto-seeder spreads the seeds by means of a rotary disc directly located under the tank.



Rotoseeder

The pneumatic seeder distributes the seeds in an air flow by means of a distributor. Grains are then sent through pipes on splash plates, which are positioned before the flexible tines.



Splash plates



Pneumatic seeder

ADJUSTING THE FLEXIBLE TINES

Levers allow to adjust the pressure on the ground of the rows of flexible tines.



AERATING RAKES (BF AND EB)

The 30 cm aerating rakes fitted with curved tines (option) allow to cut off dung (together with the paddles).



SET OF REFLECTIVE PANELS

A set of reflective panels is also available as an option (compulsory in some countries for road transport).



STEEL WHEEL

Steel wheels, which are reinforced by inner discs, can optionally replace the rubber ones.



SCRAPER ON SPRING TINE

Available on SCARIFLEX, a scraper on spring tine, fixed on the first row, allows to spread and level molehills. It therefore makes the work of the levelling scrapers easier.





JOSKIN BETIMAX

BETIMAX

JOSKIN

JOSKIN

WINPACK
RDS 7500

BETIMAX

WINPACK
RDS 7500

BETIMAX

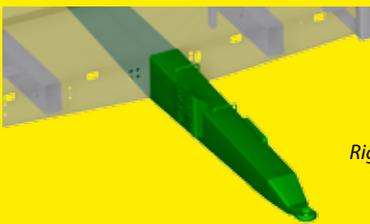
BETIMAX R

Safe Transport



LOADING RAMP

The BETIMAX R livestock trailer is different from the reclining version by the use of a ramp. The latter is designed to have a very slight loading and unloading angle in order to reduce the risks when handling livestock. The steps to access the ramp and between the ramp and the body are limited to a few centimeters only. Thanks to treated wood with slats of limited height, livestock avoids slipping or tripping. A galvanized steel frame supports the whole vehicle and ensures a stable and rigid loading platform.



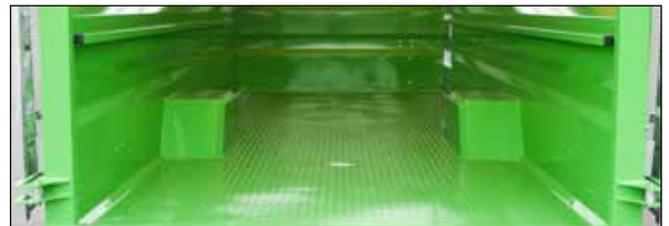
Rigid drawbar

SPECIFICATIONS

The BETIMAX R, which is designed on the same basis as the RDS. The main difference is that it does not have a reclining suspension. It also has a rigid drawbar and a loading ramp. The 210 cm high body is fully painted.

The body floor, made of an anti-slip chequered plate has broken corners at the foot of the side walls to make cleaning easier. Finally, it is fitted for a 100% complying sealing, with lifted edges at the side gate and rear door.

The ramp is standard fitted with two return springs for an easy lifting. A hydraulic ram for an effortless lifting is also available as an option.



SPECIFICATIONS

Chassis	Tubular 180 x 100 mm
Body	Monocoque - 210 cm high Fully painted
Running gear	Single axle on R5000S and R6000S
Wheel dimensions	Ø 890 to 940 mm / width: max. 458 mm
Drawbar	Rigid

R MODELS

	Number of animals	Body (m)			Floor (m ²)	Axle(s): □ (mm) - track (mm) - studs	Brakes (mm)	Wheels	Parking Stand
		Length	Width	Height					
R5000S	7/8	5	2.23	2.10	11.1	ADR 80x2000-85	350 x 60	435/50R19.5	Adjustable manual jack
R6000S	8/10	6	2.23	2.10	13.4	ADR 80x2000-85	350 x 60		

BETIMAX RDS

A Safe and Comfortable Transport of your Cattle



"RECLINING"

The JOSKIN RDS livestock trailer was designed on the basis of experienced veterinary surgeons and stock breeders' advice in order to reach the highest level possible of comfort and ease. It rests on a tubular chassis that, with the side walls (4 mm thick), forms a monocoque body of 210 cm high. The complete galvanization of the whole body ensure a high resistance in time to the vehicle against the effect of faeces.



SPECIFICATIONS

Chassis	Tubular - 180 x 100 (5000 and 6000) Tubular - 220 x 120 (7500 and 9000)
Body	Monocoque - 210 cm high Fully galvanized or painted
Running gear	- Single axle on RDS 5000 and 6000 - Double axle on RDS 7500 and 9000
Wheel dimensions	Ø 890 to 940 mm / width: max. 458 mm
Drawbar	Cross spring suspension

EASY TO LOAD

The BETIMAX RDS is fitted with the "reclining" system. The axle(s) is (are) mounted on double-acting hydraulic cylinders allowing to put the trailer rear side on the ground. The loading and unloading height is therefore limited to 14 cm while the transport height is 63 cm. This reclining system replaces the access ramp, so that no operation is required from the user and accident risks are limited when loading or unloading the cattle. Every cylinder is fitted with a safety device preventing the vehicle from falling down if hydraulic hoses come to break.

BODY FLOOR

The floor can be covered either with a chequered plate or a soft 3-component resin similar to the one used on livestock transport trucks. This resin has anti-slip and soundproof properties that turn out to be particularly comfortable for the animals. While cleaning, the water and faeces are flushed out through two draining caps (Ø 2"). The inner edge - conforming to the regulations in force - prevents faeces from flowing out while driving.



Drawbar with cross spring suspension

RDS MODELS

	Number of animals		Body (m)		Floor (m ²)	Axle(s): □ (mm) - track (mm) - studs	Brakes (mm)	Wheels	Parking Stand
	Length	Width	Height						
RDS 5000	7/8	5	2.23	2.10	11.1	ADR 90x2066-8S	400 x 80	435/50R19.5	Adjustable manual jack
RDS 6000	8/10	6	2.23	2.10	13.4	ADR 90x2066-8S	400 x 80		Hydraulic ⁽¹⁾
RDS 7500/2	10/12	7.5	2.23	2.10	16.7	ADR 2x90x2066-8S	400 x 80		Hydraulic ⁽¹⁾
RDS 9000/2	12/14	9	2.23	2.10	20.0	ADR 2x90x2066-8S	400 x 80		Hydraulic ⁽¹⁾

⁽¹⁾ Hydraulic jack (DA) with direct connection to the tractor.

LIVESTOCK TRAILERS

Common Options



INNER PARTITIONS

Several types of inner partitions are available:

- a 1-part partition with 3 adjustable supports;
- a 1-part door on rails with 3 adjustable supports;
- a 2-part partition (only available on some models, non adjustable).

Also as an option: an extra inner door without rail, but also an extension for under the inner partition in order to divide small cattle into groups.

1-part partitions are both fixed to tubes that are standard mounted along the body walls. Their advantage is to form a screen over the whole height of the walls. They slide over the whole length of the livestock trailer, even at the recess of the wheels.



Inner door equipped with handle for a safe opening from the outside

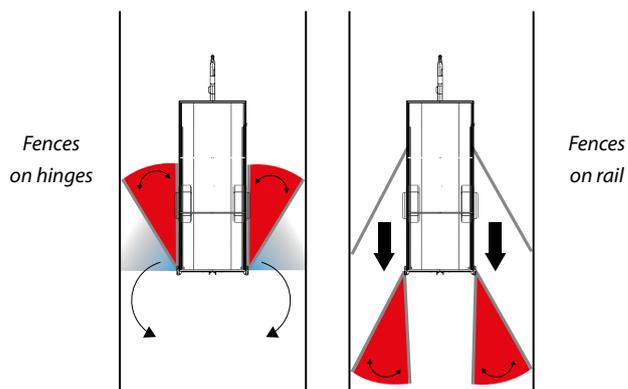


One-part inner partition

OUTER FENCES

The BETIMAX livestock trailers can also be equipped with side fences that may be either mounted on hinges (3.10 m) or on rails (4 m or 4.50 m according to the models). This option makes it easier to bring the animals together before making them step into the trailer. They are hung on the side walls of the vehicle, thereby ensuring a high safety level during transport.

The models 6000, 7500 and 9000 can be fitted with a set of self-supporting side fences on rail of 4.5 m so as to make their installation easier.





COVER

The BETIMAX is standard fitted with arches improving the sturdiness of the body and allowing to use a protective cover on the livestock trailer (option).



WHEEL RECESS

To protect the livestock, the wheel cases have rounded edges.



PROTECTION RODS

Protection rods above the wheel cases, which are sometimes incompatible with the inner partitions, are also available as an option.



BODY ACCESSORIES

Lighting

In order to comply with the safety regulations and legislation in force, the BETIMAX is fitted with rear lights, a registration plate lighting system and - as an option - six lateral lights. The rear lights are protected by a grate and built-in under the body for an optimal anti-shock protection.



Spare wheel

A spare wheel and its support can be added as an option. This support is located on the front wall of the body.



Tool box

A tool box can be fitted on the front part of the body.

Holder for tools

A holder for 4 tools (on the front wall) will allow you to always have a brush, a shovel, etc. with you.



AQUATRANS

WATER BOWSERS

Static/Mobile



BOWSERS SUITED FOR LIVESTOCK

JOSKIN water bowzers are standard fitted with many pieces of equipment: a protected level gauge, a Ø 450 mm upper manhole, a 2"1/2 ball valve and a baffle (from 3,600 l). The latter makes it possible to avoid water movements and to reinforce the tank. These fittings ensure a certain ease of use.

The JOSKIN water bowzers are designed according to the same tested techniques as for the slurry tankers.

They are manufactured in galvanized steel of 4 mm thick for a better resistance in time. The chassis is a cradle welded on the whole length of the tank.

An upper manhole (Ø 450 mm) with quick opening makes it possible to fill and clean the tank easily.



Static water bowser

STATIC WATER BOWSERS

MODELS

Theoretical capacity (l)	Tank length (mm)	Tank Ø (mm)
1,100	1,560	1,000
2,100	2,790	1,000
3,600	3,100	1,250
4,300	3,930	1,250
5,100	4,350	1,250

MOBILE WATER BOWSERS

MODELS

Capacity (l)	Tank length (mm)	Tank Ø (mm)	Ball valve height (mm)	Axle(s): □ (mm) - track (mm) - studs	Wheels
1,100	1,560	1,000	810	1500-60-6S	11.5x15 10 PR
2,100	2,790	1,000	770	1500-60-6S	11.5x15 10 PR
3,600	3,100	1,250	770	1500-60-6S	11.5x15 10 PR
4,300	3,930	1,250	930	1650-70-8S	400R22.5
5,100	4,350	1,250	930	1650-70-8S	400R22.5

AQUATRANS XL

MODELS

	Theoretical capacity	Tank length	Ball valve height	Tank Ø	Axle(s): □ (mm) - track (mm) - studs	Brakes	Wheels
6000 S	6,050 l	6,230 mm	930 mm	1,400 mm	ADR 90x1950-8S	350 x 90 mm	400R22.5
7300 S	7,300 l	6,478 mm	930 mm	1,500 mm	ADR 90x1950-8S	350 x 90 mm	400R22.5



AQUATRANS XL

These mobile water bowsers have a capacity from 6,000 to 7,300 l. Thanks to its design based on the slurry tankers, the AQUATRANS XL has a **stronger structure**. Therefore, it is easier to tow it on the road. The axle is bolted on a **reinforced self-supporting structure** for intensive use.

This design gives **maximum lightness** to the vehicle while making transport easier. All elements (tank, cradle, drawbar and accessories) are **fully galvanized** to enhance the longevity of the vehicle. Furthermore, the water bowser can be fitted with **many options** without pre-equipment.



Level gauge



Upper manhole (Ø 450 mm)



2" 1/2 ball valve



The AQUATRANS / AQUATRANS XL water bowsers can be fitted with a volumetric pump to fill quickly en autonomously

COMMON OPTIONS



Rear light on hinge



Drinking trough for one animal



Drinking trough with constant level



2" 1/2 "gaw"



Side drinking trough with constant level

JOSKIN

Non-contractual document. Data are subject to change without notice. The pictures do not necessarily correspond to standard equipment.



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