



BOMECH

Quality by Experience



TRAILING SHOE TECHNOLOGY





Pressure
8-12 KG



Optional
I-Control



Optional
2DA

UP

Trailing Shoe

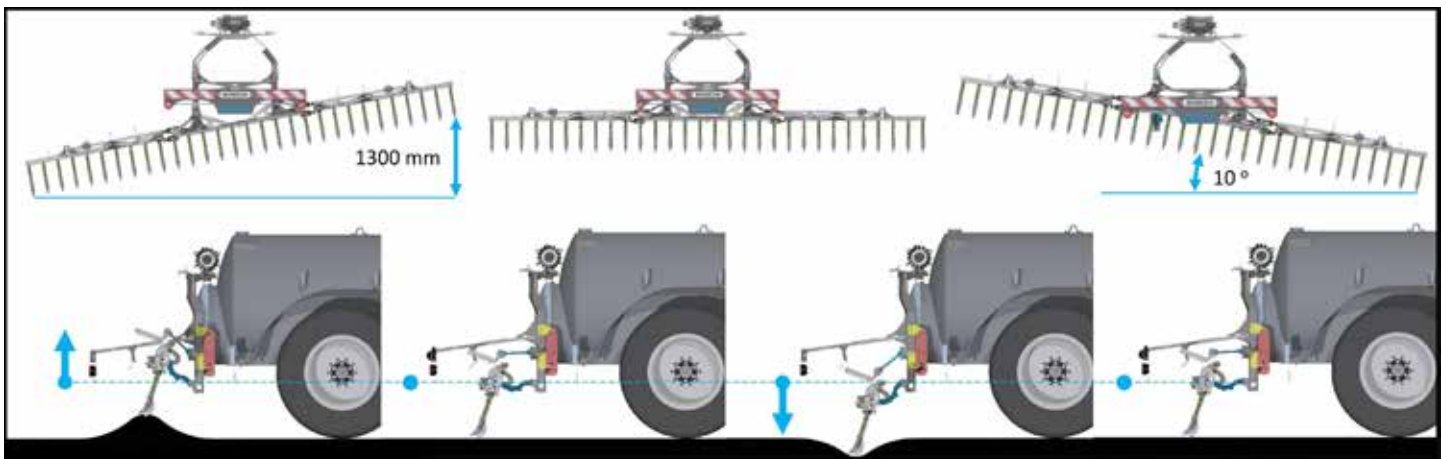
The Bomech UP is a trailing shoe distributor, specially designed for smaller tankers with minimal preparation. The Bomech UP folds vertically. The boom folds compactly behind the tanker, with an outer transport width of only 2.55 m and a transport height below 3.3 m for safe and comfortable road travel. Available in working widths of 6 m, 7.5 m, 9 m and 10.5 m. With the Bomech quick-change system, the UP is easy to attach to the tanker.

TRANSPORT WIDTH
2.55 M

Unequalled ground tracking thanks to new Bomech Field Contour System (FCS)

A unique top feature and heart of the UP series is the newly developed Bomech FCS ground tracking system. The system produces unequalled ground tracking in uneven terrain and slopes, even under the most difficult terrain conditions. By means of the FCS system, the trailing shoe distributor can adapt to the ground contour completely free of the tanker movements, in the transverse and longitudinal direction and thus always ensuring optimum slurry placement.

Bomech FCS system in transverse and longitudinal direction



WATCH THE BOMECH UP
LIVE IN ACTION!



Bomech FCS system in detail



Transport position



UP

Trailing Shoe



Cereals



Grass



Field

Features of the UP

1. Transport width 2.55 m
2. Working width 6 m has a total height of 2.5 m
3. Working width 7.5 m, 9 m and 10.5 m have a total height of 3.3 m
4. Very lightweight
5. Unique and newly developed Bomech Field Contour System (FCS) for perfect ground tracking
6. All hydraulic folding cylinders have end cushioning for maximum performance and gentle folding
7. Working widths 7.5 m, 9 m and 10.5 m have an impact protection system left and right with breaking bolts
8. A highly positioned Alrena macerator with stone / debris traps
9. Mounting options for any slurry tanker with minimal mounting preparation thanks to the Bomech quick change system
10. Only 35 litres of hydraulic oil required
11. Multiple control options with a 2xDA sequence control or the electro-hydraulic Bomech I-Control
12. Hoses are not bent during lifting or folding and are thus long-lasting
13. Also available in dribble bar model and for umbilical systems
14. Can drive up to 20 km/h in working position
15. Easy installation for almost every tank

	UP6	UP7.5
Working width (m)	6	7,5
Transport width (m)	2,55	2,55
Weight (kg)	575	590
Hose distance (cm)	25	25
No. of outlets	24	30

	UP9	UP10.5
Working width (m)	9	10,5
Transport width (m)	2,55	2,55
Weight (kg)	800	825
Hose distance (cm)	25	25
No. of outlets	36	42

Patented system.

Dimensions and designs mentioned are entirely without any obligation whatsoever and are subject to alternations at any time without prior notice.



Pressure
8-12 KG



*Optional
I-Control*



*Optional
E-Control*

Flex

Trailing Shoe

The Flex trailing shoe system is a compact and lightweight slurry spreader available in working widths of 7.5 m and 9 m. The system is easy to mount on any tank and is also available for self-propelled vehicles. The lightweight system makes it ideal for retrofitting tanks.

The integrated automatic level adjustment system allows the trailing shoes, each with its own suspension, to adjust to the landscape. One Alrena precision macerator, with a rotating cutting system and a controlled and guaranteed air flow, ensures precise distribution of the slurry.

The Bomech-Flex folds compactly behind the tanker so that this type of trailing shoe distributor can be attached regardless of the diameter of the tanker. With the 7.5 m working width, the Flex has a transport width of only 2.55 m. When folding, the outlets are folded up first, so that absolutely no soiling of headlands, streets and agricultural roads can take place. The basic hydraulics and standard version requires 3 double-acting control units (3DA). Optionally, the I-Control as well as the E-Control is possible with this trailing shoe distributor. For more information on all possible Bomech controls, check the technical data on the last pages of this brochure.

Specially designed trailing shoe



Alrena precision macerator



Alrena precision macerator

The ALRENA precision macerator is equipped with a cutting and distributing system which distributes the slurry very precise. The macerator is fitted with a rotating cutting system. The design is very compact and because of the ALRENA-system the macerator has a very long lifespan.

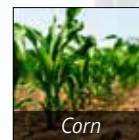
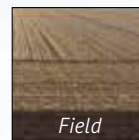
**ALSO SUITABLE
FOR SELF-PROPELLED
TANKERS**





Flex

Trailing Shoe



Features of the Flex

1. Transport width only 2.55 m at working width of 7.5 m
2. Transport width only 2.99 m at working width of 9 m
3. Total height only 2.35 m
4. Light weight
5. Automatic level adjustment on the middle frame for optimal contour adjustment
6. One Alrena precision macerator with rotating cutting system
7. The E-Control with sequential operation is possible, requires only 1xDA
8. The electro-hydraulic control block of the I-Control can be assembled in advance
9. Folds simply and compactly behind the vehicle
10. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
11. Also possible for self-propelled vehicles
12. Only 35 litres of hydraulic oil required
13. Can drive up to 20 km/h in working position
14. Easy installation for almost every tank

Headland



Compact transport position



	FL7.5	FL9
Working width (m)	7,5	9
Transport width (m)	2,55	2,99
Weight (kg)	775	900
Hose distance (cm)	25	25
No. of outlets	30	36

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Pressure
8-12 KG



Optional
I-Control



Optional
E-Control

Speedy One

Trailing Shoe

The Speedy One trailing shoe is a very lightweight and affordable type of Bomech trailing shoe with one Alrena precision macerator. The Speedy One is very compatible with tankers with a diameter of max. 2m. This type of trailing shoe has a small transport width of 2.55 m. The Speedy One is available in 7.5 m, 9 m and 10.5 m working widths.

The Bomech-Speedy One folds compactly along the tanker so that the centre of gravity of the trailing shoe distributor in the transport position comes closer to the front. When folding, the outlets are raised first so that absolutely no soiling of headlands, streets and agricultural roads can take place. The basic hydraulics and standard version requires 3 double-acting control units (3DA). Optionally, the I-Control as well as the E-Control is possible with this trailing shoe distributor. For more information on all possible Bomech controls, check the technical data on the last pages of this brochure.

As a standard, the arm extensions of the 9 m and 10.5 m are secured using a three dimensional impact protection system. One 5" connection supplies the Alrena precision macerator with slurry for optimal lateral distribution across a working width of 7.5 m, 9 m and 10.5 m.

Alrena precision macerator



Integrated pendlesystem



**TRANSPORT WIDTH
2.55 M**

Integrated pendlesystem (in red) and wing suspension

The Speedy One has an integrated pendlesystem in the midframe. Because of this the distributor can adjust to any soil conditions. The distributor also has a "wing suspension". The static and dynamic forces on the frame and on the hydraulic cylinders are strongly reduced because of it.



Speedy One

Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Speedy One

1. Transport width 2.55 m
2. Total height 3.2 m
3. Tank diameter max 2.0 m
4. Very light weight
5. Automatic level adjustment on the middle frame for optimal contour adjustment
6. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
7. Transport locking on the cylinders is integrated in the midframe
8. The 9 m and 10.5 m are secured with 3-dimensional impact protection system
9. One Alrena precision macerator with rotating cutting system
10. Simple folding alongside the vehicle
11. Hoses are not bent during lifting or folding and are thus long-lasting
12. The electro-hydraulic control block of the I-Control can be assembled in advance
13. The E-Control with sequential operation is possible, requires only 1xDA
14. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
15. Only 35 litres of hydraulic oil required
16. Can drive up to 20 km/h in working position
17. Easy installation for almost every tank

Headland



Compact transport position of only 2.55 m



	SPO7.5
Working width (m)	7,5
Transport width (m)	2,55
Weight (kg)	950
Hose distance (cm)	25
No. of outlets	30

	SPO9	SPO10.5
Working width (m)	9	10,5
Transport width (m)	2,55	2,55
Weight (kg)	1060	1115
Hose distance (cm)	25	25
No. of outlets	36	42

Patented system.

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Pressure
8-12 KG



Optional
I-Control



Optional
E-Control

Speedy Small Trailing Shoe

The Speedy Small trailing shoe is a very lightweight and affordable type of Bomech trailing shoe. With a max. tanker diameter of 1.75 m, this series has a transport width of only 2.55 m and a total height of 3.2 m. These top-features make the Speedy Small very compatible with tankers with a smaller diameter and with smaller wheels.

The Bomech-Speedy Small folds compactly along the tanker so that the centre of gravity of the trailing shoe distributor in the transport position comes closer to the front. When folding, the outlets are raised first so that absolutely no soiling of headlands, streets and agricultural roads can take place. The basic hydraulics and standard version requires 3 double-acting control units (3DA). Optionally, the I-Control as well as the E-Control is possible with this trailing shoe distributor. For more information on all possible Bomech controls, check the technical data on the last pages of this brochure.

As a standard, the arm extensions of the 15 m option are secured using a three dimensional impact protection system. Two 5" connections (or optionally one 6") supply both Alrena precision macerators with slurry for optimal lateral distribution across a working width of 12 m or 15 m.

**TRANSPORT WIDTH
2.55 M**

Specially designed trailing shoe



Pendlesystem in middle frame



Double pendlesystem and wing suspension

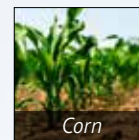
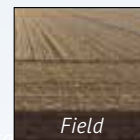
The Speedy Small has an integrated pendlesystem in the midframe and in both arms. When the trailing shoe is on the ground, the cylinders are in the floating position and the arms can move freely. Because of this the distributor can adjust to any soil conditions. The distributor also has a "wing suspension". The static and dynamic forces on the frame and on the hydraulic cylinders are strongly reduced because of it.

WATCH THE
PENDLESYSTEM OF
THE SPEEDY SMALL
LIVE IN ACTION!



Speedy Small

Trailing Shoe



Features of the Speedy Small

1. Transport width 2.55 m
2. Total height 3.20 m
3. Tank diameter max 1.75 m
4. Very light weight
5. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
6. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
7. Transport locking on the cylinders is integrated in the midframe
8. The Speedy Small 15 m is secured with a 3-dimensional impact protection system
9. Two Alrena precision macerators with rotating cutting system
10. Simple folding alongside the vehicle
11. Hoses are not bent during lifting or folding and are thus long-lasting
12. Mechanical or hydraulic automatic section control is optional
13. It is possible to assemble the electro-hydraulic control block of the I-Control in advance
14. The E-Control with sequential operation is possible, requires only 1xDA
15. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
16. Only 35 litres of hydraulic oil required
17. Can drive up to 20 km/h in working position
18. Easy installation for almost every tank
19. Hose distance standard 25 cm. Optionally, a hose distance of 18.75 cm is also possible

Headland



Compact transport position of only 2.55 m



	SPS12	SPS15
Working width (m)	12	15
Transport width (m)	2,55	2,55
Weight (kg)	1325	1425
Hose distance (cm)	25	25
No. of outlets	48	60

Patented system.

Dimensions and designs mentioned are entirely without any obligation whatsoever and are subject to alternations at any time without prior notice.



Pressure

8-12 KG



Optional
I-Control



Optional
E-Control

Speedy Trailing Shoe

The Speedy trailing shoe system is a very lightweight and affordable series. With a max. tanker diameter of 2.25 m, this series has a transport width of only 2.99 m and a total height of 3.4 m. The Speedy is available with a working width of 12 m or 15 m. The 12m machine weighs just 1.325 kg.

The Bomech-Speedy folds compactly along the tanker so that the centre of gravity of the trailing shoe distributor in the transport position comes closer to the front. When folding, the outlets are raised first so that absolutely no soiling of headlands, streets and agricultural roads can take place. The basic hydraulics and standard version requires 3 double-acting control units (3DA). Optionally, the I-Control as well as the E-Control is possible with this trailing shoe distributor. For more information on all possible Bomech controls, check the technical data on the last pages of this brochure.

As a standard, the arm extensions of the 15 m option are secured using a three dimensional impact protection system. Two 5" connections (or optionally one 6") supply both Alrena precision macerators with slurry for optimal lateral distribution across a working width of 12 m or 15 m.

Double pendlesystem and wing suspension

The Speedy has an integrated pendlesystem in the midframe and in both arms. When the trailing shoe is on the ground, the cylinders are in the floating position and the arms can move freely. Because of this the distributor can adjust to any soil conditions. The distributor also has a "wing suspension". The static and dynamic forces on the frame and on the hydraulic cylinders are strongly reduced because of it.

Double pendlesystem



WATCH THE
PENDLESYSTEM OF THE
SPEEDY LIVE IN ACTION!



Speedy

Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Speedy

1. Transport width 2.99 m
2. Total height 3.40 m
3. Tank diameter max 2.25 m
4. Very light weight
5. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
6. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
7. Transport locking on the cylinders is integrated in the midframe
8. The Speedy 15 m is secured with a 3-dimensional impact protection system
9. Two Alrena precision macerators with rotating cutting system
10. Simple folding alongside the vehicle
11. Hoses are not bent during lifting or folding and are thus long-lasting
12. Mechanical or hydraulic automatic section control is optional
13. It is possible to assemble the electro-hydraulic control block of the I-Control in advance
14. The E-Control with sequential operation is possible, requires only 1xDA
15. Also possible to use in umbilical systems
16. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
17. Only 35 litres of hydraulic oil required
18. Can drive up to 20 km/h in working position
19. Easy installation for almost every tank
20. Hose distance standard 25 cm. Optionally, a hose distance of 18.75 cm is also possible

Headland



Compact transport position



	SP12	SP15
Working width (m)	12	15
Transport width (m)	2,99	2,99
Weight (kg)	1325	1425
Hose distance (cm)	25	25
No. of outlets	48	60

Patented system.

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Pressure
8-12 KG



*Optional
I-Control*



*Optional
E-Control*

In transport position the springs are positioned to the inside

Farmer

Trailing Shoe

The Farmer trailing shoe system is a stable and low weight slurry spreader. The Farmer is available with a working width of 12 m and 15 m. The compact design and a centre of gravity located close to the slurry tank means that the Farmer is well suited for retrofitting. The Farmer can be mounted directly onto the slurry tank, or onto any 3-/4-point linkage.

Two Alrena precision macerators with rotating cutting knives and stone / debris traps ensure precise distribution of the slurry. Hoses are not bent during lifting or folding, and all cylinders have end cushioning. Both features guarantee maximum performance and durability.

The Bomech-Farmer folds compactly along the tanker so that the centre of gravity of the trailing shoe distributor in the transport position comes closer to the front. When folding, the outlets are raised first so that absolutely no soiling of headlands, streets and agricultural roads can take place. The basic hydraulics and standard version requires 3 double-acting control units (3DA). Optionally, the I-Control as well as the E-Control is possible with this trailing shoe distributor. For more information on all possible Bomech controls, check the technical data on the last pages of this brochure.



Double pendlesystem



Double pendlesystem

The Farmer has an integrated pendlesystem in the midframe and in both arms. When the trailing shoe is on the ground, the cylinders are in the floating position and the arms can move freely. Because of this the distributor can adjust to any soil conditions. In combination with individually spring-mounted trailing shoes, the distributor adapts to the most difficult terrain conditions.



WATCH THE BOMECH
FARMER LIVE IN ACTION!



Farmer

Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Farmer

1. Transport width 2.99 m
2. Total height 3.40 m
3. Tank diameter max 2.25 m
4. Very light weight
5. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
6. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
7. The Farmer 15 m is secured with an impact protection system
8. Two Alrena precision macerators with rotating cutting system
9. Simple folding alongside the vehicle
10. Hoses are not bent during lifting or folding and are thus long-lasting
11. Mechanical or hydraulic automatic section control is optional
12. It is possible to assemble the electro-hydraulic control block of the I-Control in advance
13. The E-Control with sequential operation is possible, requires only 1xDA
14. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
15. Prepared for 3-/4-point linkage, category 2 or 3
16. Also possible to use in umbilical systems
17. Only 35 litres of hydraulic oil required
18. Can drive up to 20 km/h in working position
19. Easy installation for almost every tank
20. Hose distance standard 25 cm. Optionally, a hose distance of 18.75 cm is also possible

Headland



Compact transport position



	FR12	FR15
Working width (m)	12	15
Transport width (m)	2,99	2,99
Weight (kg)	1450	1625
Hose distance (cm)	25	25
No. of outlets	48	60

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Pressure
8-12 KG



*Optional
I-Control*



*Optional
E-Control*

Farmer GEN. II

Trailing Shoe

The Farmer series was already available in working widths of 12 m and 15 m, and now this is being extended with an 18-metre variant. A newly developed strong main frame including a wing suspension by means of a steel cable system makes the 18 m working width available. The compact design and a centre of gravity close to the slurry tanker also makes the Farmer GEN. II 18 very suitable for retrofitting. The Farmer can be mounted directly on the slurry tanker or on a 4-point linkage.

Wing suspension

The 'wing suspension system' by means of a steel cable system works automatically and there are no special prerequisites or requirements for the slurry tank. This system reduces the static and dynamic stress of the wide booms on the frame and on the hydraulic cylinder by at least 50%. The optimal interplay between the forces, which are simultaneously used as a counterweight, boosts the stability and durability of the Farmer GEN. II 18.

Hydraulic folding arm extension



The Farmer GEN. II 18 has an optional 1.5 m long hydraulically folding arm extension on each side. This reduces the transport length so that the Farmer GEN. II 18 can also be attached to shorter tankers. With these folding arm extensions, the working width can also be reduced from 18 m to 15 m.

Reinforced main frame + steel cable system



Short mounting length



WORKING
WIDTH 18 M

NEW

Farmer GEN. II

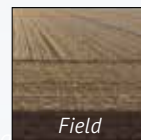
Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Farmer GEN.II

1. Transport width 2.99 m
2. Total height 3.40 m
3. Tank diameter max 2.25 m
4. Very light weight
5. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
6. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
7. The Farmer GEN. II 18 m is secured with an 3-dimensional impact protection system of 1.25 m
8. Two Alrena precision macerators with rotating cutting system
9. Simple folding alongside the vehicle
10. Optionally, a hydraulic arm extension of 1.5 m can be installed for mounting on shorter tankers
11. Hoses are not bent during lifting or folding and are thus long-lasting
12. Mechanical or hydraulic automatic section control is optional
13. It is possible to assemble the electro-hydraulic control block of the I-Control in advance
14. The E-Control with sequential operation is possible, requires only 1xDA
15. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
16. Possibility to spread slurry at 15 m in combination with the Alrena ASC-system
17. Only 35 litres of hydraulic oil required
18. Prepared for 4-point linkage, category 2 or 3
19. Can drive up to 20 km/h in working position
20. Easy installation for almost every tank
21. Hose distance standard 25 cm. Optionally, a hose distance of 18.75 cm is also possible

Headland



In transport position the springs are positioned to the inside



	FR18
Working width (m)	18
Transport width (m)	2,99
Weight (kg)	2000
Hose distance (cm)	25
No. of outlets	72

Patented system.

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Pressure

8-12 KG



Optional
I-Control



Armoured
trailing shoe

Multi Profi

Trailing Shoe

The Multi Profi trailing shoe system is a solid and professional slurry spreader, available in working widths of 12 m until 24 m and also available in a self-propelled version. With an 8" inch connection, both Alrena precise macerators are supplied with slurry, which ensure an exact lateral distribution over the entire working width. The distributor comes with many optional features: different hydraulic arm extensions and various section control possibilities (mechanical, hydraulic or with the ASC-system). In its standard model, the system is prepared for 4-/5-point linkage, category 2 or 3 (12 m and 15 m also possible in 3-point linkage).

Multi HC | Heavy Construction version

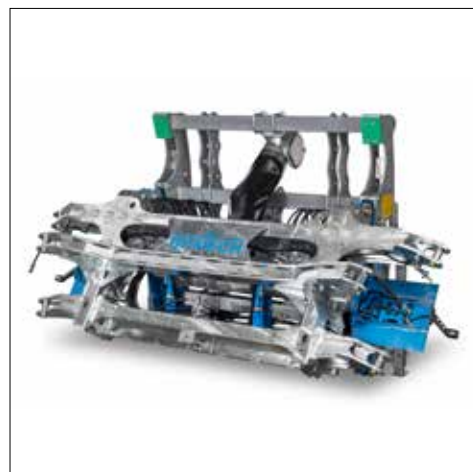


When circumstances demand more possibilities, more strength and more capacity, Bomech offers the best solution. The Multi Profi HC version. With the HC-frame the trailing shoe has an increased stability of the machine due to a stronger and more stable middle frame and it can handle a flow capacity of up to 12,000 litres per minute. The Multi Profi and Multi Profi Self-Propelled series from Bomech are equipped in this new version from now on.

Self-propelled systems

The Multi Profi series is also suitable for mounting on a self-propelled system by means of a widened main frame of 3.29 m. In combination with a hydraulic arm extension folding, which reduces the transport length, it is possible to mount the Multi Profi series to the predominantly short and wide tankers of the self-propelled vehicles.

HC-version: Heavy Construction



Multi Profi self-propelled on headland



ALSO SUITABLE
FOR SELF-PROPELLED
TANKERS



WATCH THE MULTI PROFI
LIVE IN ACTION!



Compact transport position



Multi Profi self-propelled on headland



Multi Profi

Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Multi Profi

1. Solid and professional manufacture
2. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
3. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
4. Two Alrena precision macerators with rotating cutting system
5. Suitable for large and small spread volumes
6. Different automatic section control options (mechanic or hydraulic) are available
7. It is possible to assemble the electrohydraulic control block of the I-Control in advance
8. Simple folding alongside the vehicle
9. Hoses are not bent during lifting or folding and are thus long-lasting
10. Prepared for 4-/5-point linkage, category 2 or 3 (12 m and 15 m also possible in 3-point linkage)
11. Can drive up to 20 km/h in working position
12. Equipped with HC-frame as standard
13. Optionally arm extension folding up to 3 m on each side. This reduces the working width and the transport length
14. With the 21/15 and the 24/18 an additional 90 degree folding of 1.5 m is possible in the 3 m arm extension
15. Hydraulic suspension system standard from 18 m on
16. Possibility to spread slurry on different working widths in combination with the Alrena ASC section control system
17. Hose distance standard 25 cm. Optionally, a hose distance of 18.75 cm is also possible up to 18 m working width
18. The Multi Profi series is equipped with armoured trailing shoes as standard



More info Multi Profi-series



Patented system.

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Pressure
8-12 KG



*Optional
I-Control*



*Armoured
trailing shoe*

Hydraulic suspension system

The top feature of this series is its hydraulic suspension system. This allows the trailing shoe system to swing independently of both tank movements and contour adjustment using four hydraulic suspension points on the middle frame. This system works automatically and ensures optimal contour adjustment. This system is fitted as standard for working widths from 18 m and optional for 12 m and 15 m.

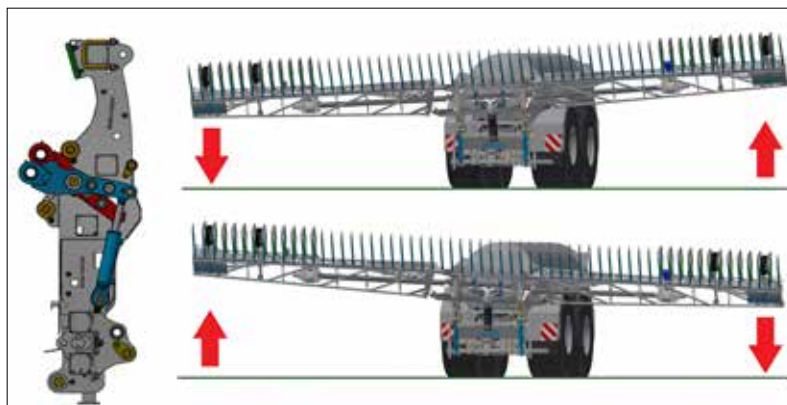
1.5 m or 3 m hydraulic folding arm extension

From 15 m, the Multi Profi has an optional hydraulic arm extension folding of 1.5 m on each side (at 24 m this is 2 m). The 21 m and 24 m models also have an optional 3 m arm extension folding. The arm extension folds not only to reduce the transport length, but also the working width. This reduces the working width from 21 m to 15 m or from 24 m to 18 m.

Wing suspension

The 'wing suspension system' by means of a steel cable system works automatically and there are no special pre-requisites or requirements for the slurry tank. This system reduces the static and dynamic stress of the wide booms on the frame and on the hydraulic cylinder by at least 50%. The optimal interplay between the forces, which are simultaneously used as a counterweight, boosts the stability and durability of the Multi Profi.

Hydraulic suspension system



Arm extension folding 3 m



Multi Profi

Trailing Shoe



Working position



Wing suspension



	MP12	MP15
Working width (m)	12	15
Transport width (m)	2,99*	2,99*
Weight (kg)	2125	2225
Hose distance (cm)	25	25
No. of outlets	48	60

	MP18
Working width (m)	18
Transport width (m)	2,99*
Weight (kg)	2525
Hose distance (cm)	25
No. of outlets	72

	MP21/18	MP21/15
Working width (m)	21/18	21/15
Transport width (m)	2,99*	2,99*
Weight (kg)	2875	2950
Hose distance (cm)	25	25
No. of outlets	84	84

	MP24/20	MP24/18
Working width (m)	24/20	24/18
Transport width (m)	2,99*	2,99*
Weight (kg)	3125	3200
Hose distance (cm)	25	25
No. of outlets	96	96

* For Multi Profi self-propelled 3.29 m
Custom made specifications and working widths on demand.
Patented system.
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Pressure

8-12 KG



Armoured
trailing shoe

Multi 4XL

Trailing Shoe

The Multi 4XL trailing shoe system is a sophisticated and durable slurry spreader available with a working width of 27 m or 30 m. This distributor with a very high capacity is manufactured in a way the biggest pumps available will not be limited by the capacity of the distributor. Two 6" connections with rotary joints or one 8" connection supplies four Alrena precision macerators for precise slurry distribution over the entire working width. The systems connection to the tank is fitted with two acid-resistant rotary joints to prevent the feed hose (which is positioned between the tank and the spreader) from moving.

3 m or 4,5 m hydraulic folding arm extension

The Multi 4XL has an optional 3 m long hydraulic folding arm extension on each side. The folding arm option not only reduces the transport length, but also the working width if necessary. The working width will be reduced from 27 m to 21 m or from 30 m to 24 m. On the headland the arm extensions are slightly lifted to create extra space on the edge of the fields. Optionally, a 4.5 m arm extension folding is also available.



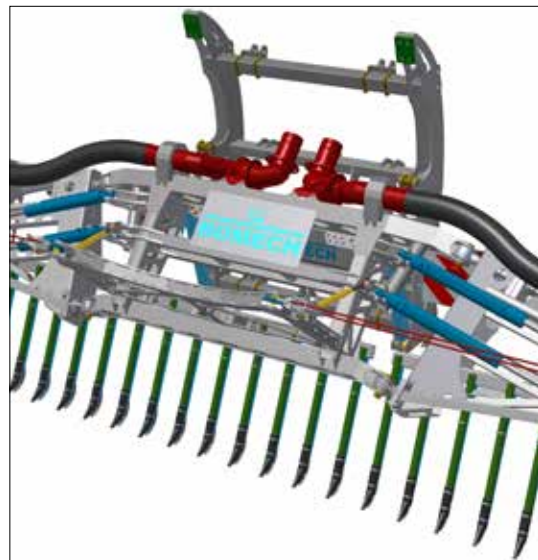
Equipped with four
Alrena precision macerators



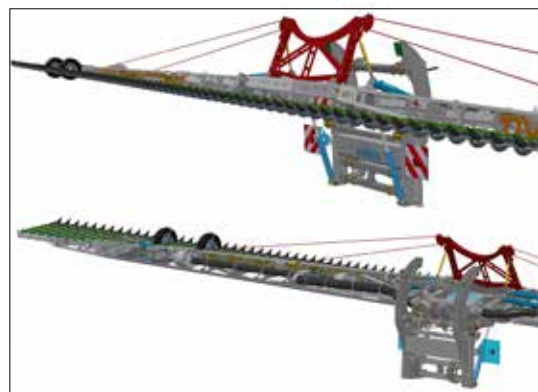
Standard model with wing suspension system

The 'wing suspension system' works automatically and there are no special prerequisites or requirements for the slurry tank. This system reduces the static and dynamic stress of the wide booms on the frame and on the hydraulic cylinder by at least 50%. The optimal interplay between the forces, which are simultaneously used as a counterweight, boosts the stability and durability of the Multi 4XL machines.

Middle frame Multi 4XL



Wing suspension system



Multi 4XL

Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Multi 4XL

1. Solid and professional manufacture in 4XL design
2. Four Alrena precision macerators with rotating cutting system
3. Output capacity > 12 cbm per minute
4. Relatively high speed in working position possible
5. Pressure of trailing shoe > 10kg
6. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
7. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
8. Two 6" connections with rotary joints or one 8" connection
9. Hydraulic folding arm extension, up to 3m on each side. This reduces the working and transport width
10. Optionally, a 4.5 m arm extension folding is also available
11. An additional 90 degree folding of 1.5 m is possible in the 3 m arm extension
12. Simple folding alongside the vehicle
13. Hoses are not bent during lifting or folding and are thus long-lasting
14. Different automatic section control options (mechanic, hydraulic or air pressured) are available
15. As a standard, the spreader is equipped with a hydraulic suspension system
16. Impact protection on both sides of 1.5m
17. Prepared for 5-/6-point linkage, category 3 or 4
18. The Multi 4XL series is equipped with armoured trailing shoes as standard



Working position



4.5 m folding arm extension



	MXL27	MXL30
Working width (m)	27	30
Transport width (m)	2,99	2,99
Weight (kg)	4450	4600
Hose distance (cm)	25	25
No. of outlets	108	120

Custom made specifications and working widths on demand.

Patented system.

Dimensions and designs mentioned are entirely without any obligation whatsoever and are subject to alternations at any time without prior notice.



Pressure

8-12 KG



Armoured
trailing shoe

Trac-Pack

Trailing Shoe for self-propelled tankers

The Bomech Trac-Pack trailing shoe is a compact and stable slurry spreader, specially developed for self-propelled vehicles. It is available in working widths 12, 15, 18, 21 and 24 m and has a transport width of only 2.99 m and is equipped as standard with two (12 m / 15 m / 18 m) or four (21 m / 24 m) Alrena precise macerators.

The Bomech Trac-Pack trailing shoe distributor completely folds behind the self-propelled vehicle. All cylinders of this fourfold folding are equipped with an end cushioning. The Trac-Pack series is equipped with hydraulic valves under the debris traps of the macerators, in such a way that the streets and agricultural roads should not be soiled with slurry.

Simple and flexible in use

Due to the compact design and a centre of gravity close to the transport vehicle, the Trac-Pack can be retrofitted to almost any vehicle and can be quickly exchanged with any other equipment that can be used behind a self-propelled vehicle. A reduction of the width of the machine is possible on every version with a hydraulic arm extension folding of 1.5 m per side. A possible additional section control of the working width can be realised according to the customer's wishes with the ASC compressed air system. On the 18 m and 24 m, a reduction of the width is standard with an arm extension folding of 1.5 m per side. On the 15 m and 21 m, this arm extension folding is optional.

Trac-Pack 24 m



Trac-Pack 18 m



SUITABLE FOR
SELF-PROPELLED
TANKERS





Trac-Pack 18 m on 15 m



Trac-Pack 15 m



Trac-Pack

Trailing Shoe



Cereals



Grass



Field



Corn

Features of the Trac-Pack

1. Transport width only 2.99 m
2. Folds simply and compactly behind the self-propelled vehicle
3. Solid and professional manufacture
4. Automatic level adjustment on the middle frame and on both side arms for optimal contour adjustment
5. All cylinders have end cushioning for maximum performance
6. Two or four Alrena precision macerators with rotating cutting system
7. Very quick and easy to mount and dismount
8. The Trac-Pack 18 m and 24 m are equipped as standard with an arm extension folding of 1.5 m
9. The Trac-Pack series is secured with a 3-dimensional impact protection system of 1.25 m
10. Various automatic section control options are available (mechanic, hydraulic or air pressured)
11. Prepared for 3-/4-/5-point linkage, category 3 or 4
12. Easy installation on every self-propelled vehicle
13. Can drive up to 20 km/h in working position
14. The Trac-Pack series is equipped with armoured trailing shoes as standard



	TP12	TP15	TP18
Working width (m)	12	15	18
Transport width (m)	2,99	2,99	2,99
Weight (kg)	2650	2750	3300
Hose distance (cm)	25	25	25
No. of outlets	48	60	72
Macerators (pcs.)	2	2	2

	TP21	TP24
Working width (m)	21	24
Transport width (m)	2,99	2,99
Weight (kg)	3750	4000
Hose distance (cm)	25	25
No. of outlets	84	96
Macerators (pcs.)	4	4

Patented system.

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Pressure
8-12 KG



Armoured
trailing shoe

Compact Super Profi

Trailing Shoe for umbilical systems



With the newly developed Bomech trailing shoe distributor for umbilical systems, Bomech responds to the increasing demand of the market for even more precise umbilical systems, while maintaining the quality, experience and very low own weight that Bomech offers as standard. The Compact Super Profi is a true professional machine that meets the ever increasing demands of users and legislators. With a smart and compact folding and a max. transport width of 2.99 m behind the tractor, even road travel is no problem for this newly developed trailing shoe distributor. The Compact Super Profi is available in working widths of 15 m and 18 m and has a hose distance of 18.75 cm as standard.

Minimal forces on machine, tractor and land

The Compact Super Profi for umbilical systems is equipped as standard with a robustly constructed swivel tube, which has a very large turning range of more than 170 degrees. This allows the swivel tube with trailing shoe to lie close to the tractor, so that reversing is possible without any problems. Due to the very favourable positioning of the swivel tube pivot point between the lower coupling of the tractor and the swivel tube placed low to the ground, the drag hose has a lot of free hose length when turning. This means that the forces caused by the drag hose when turning have no effect on the tractor, machine and grassland. Together with the new automatic function for autonomous "holding" and "releasing" of the swivel tube from the centre position, cornering is made easy.

Compact Super Profi in transport position



Lifting one half of the machine



WATCH THE
COMPACT SUPER PROFI
LIVE IN ACTION!



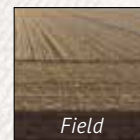
Compact Super Profi Trailing Shoe



Cereals



Grass



Field

Features of the Compact Super Profi

1. Transport width only 2.99 m
2. Transport height < 3.99 m
3. Hose distance 18.75 cm
4. Low own weight
5. Optimum ground tracking thanks to the integrated pendlesystem
6. All cylinders have end cushioning for maximum performance
7. Two separate controllable machine halves
8. Four Alrena precision macerators with rotating cutting system
9. 170 degree rotatable and fully automatic swivel tube
10. The Compact Super Profi is secured with a 3-dimensional impact protection system of 1.5 m
11. Equipped with two large support wheels
12. A half-width section control is standard (hydraulic or with compressed air)
13. Equipped as standard with a hydraulic valve to blow off the first liquid manure
14. Control with ISOBUS
15. Large ground clearance at the headland due to lifting in V-position with raised support wheels
16. Possibility to spread slurry on different working widths in combination with the Alrena ASC compressed air system
17. Prepared for 3-point linkage, category 3
18. The Compact Super Profi series is equipped with armoured trailing shoes as standard



Headland turning in



Headland cornering



Headland turning out



	CSP15	CSP18
Working width (m)	15	18
Transport width (m)	2,99	2,99
Weight (kg)	3400	3650
Hose distance (cm)	18,75	18,75
No. of outlets	80	96

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Pressure
8-12 KG



*Optional
I-Control*

Umbilical

More options

Bomech has several types of trailing shoe distributors, which are also suitable for umbilical systems. For this purpose, Bomech has developed a new coupling frame with which the trailing shoe distributor can be transferred from the tanker to the coupling frame. This way you can get the most out of the trailing shoe distributors, even in wet seasons, e.g. early spring.

Bomech UP

The Bomech UP has its own lightweight coupling frame and its own tow bar with swivel joint, which is easy to attach thanks to the quick-change system. This makes the Bomech UP with working widths from 6 m to 10.5 m also suitable for umbilical systems.

Speedy, Farmer and Multi Profi

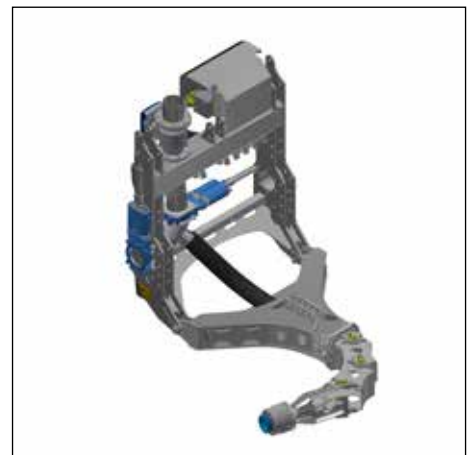
The newly developed universal coupling frame for umbilical systems is a frame with which various Bomech trailing shoe distributors can be mounted on the tractor. The Speedy, Farmer and Multi Profi series, in working widths from 12 m to 24 m, can all be mounted on this frame. Two different swivel tubes can be fitted to this frame: the standard tow bar with cardan joints and the 170 degree swivel tube (see pictures). For every operation and every situation, the right combination of coupling frame and trailing shoe distributor can be selected.

All coupling frames have the same principle. The pulling point for the feeding hose is placed low on the coupling frame and close to the tractor, so the tractor remains manoeuvrable at all times. The towing tubes with swivelling hose nozzles make it easy to turn the feeding hose at the headland. An optional swivel joint (3", 4" or 5") prevents the feeding hose from twisting.

Universal coupling frame with
170 degree swivel joint



Universal coupling frame with
standard tow bar





Umbilical

Trailing Shoe



Features of the umbilical options

1. Several types of Bomech trailing shoe distributors are suitable for umbilical systems
2. Lightweight for minimum ground pressure
3. Automatic level adjustment on the middle frame and on both side arms
4. All hydraulic cylinders have end cushioning for maximum performance and gentle folding
5. One or two Alrena (from 12 m) precision macerator(s) with rotating cutting system
6. Removable universal coupling frame for the Speedy, Farmer and Multi Profi series
7. The point of pulling the feeding hose does not affect the trailing shoe system
8. Mechanical or hydraulic automatic section control is optional
9. Hoses will not kink during folding and are thus long-lasting
10. The trailing shoes can be raised, preventing soiling of headlands, streets and agricultural roads
11. Prepared for 3-/4-point linkage, category 2 or 3
12. Here below are the data of some possible trailing shoe distributors for umbilical systems

UP version in working position



UP version in transport position



	VUP9	VUP10.5
Working width (m)	9	10,5
Transport width (m)	2,55	2,99
Weight (kg)	970	1030
Hose distance (cm)	25	25
No. of outlets	36	42

	VFR12	VFR15
Working width (m)	12	15
Transport width (m)	2,99	2,99
Weight (kg)	1750	1925
Hose distance (cm)	25	25
No. of outlets	48	60

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Disc Injector

The Bomech Disc Injector is a compact slurry distributing system and is available in working widths of 6.4 m and 7.2 m. The disc injector is easy to mount on any tank with a linkage.

This technology allows the plants faster access to nutrients. Furthermore, by reducing leaf contamination it also improves the quality of the basic feed and positively affects the cattle's feed intake. Once output is complete, the parted plants move back together so odours will be minimized.



Features of the Disc Injector

1. Lightweight
2. Simple and solid construction, minimum maintenance required
3. Optimal contour adjustment using individually suspended disc pairs
4. One Alrena precision macerator
5. Targeted slurry application using specialized rubber nozzles
6. Track tracing possible even with very tight radius
7. Very precise distribution using an Alrena precision macerator with 50mm drain hoses
8. The automatic Drop Stop system prevents soiling of headlands, streets and agricultural roads
9. Fully sealed storage of discs means minimum maintenance is required

	S6.4	S7.2
Working width (m)	6,4	7,2
Transport width (m)	2,8	2,8
Weight (kg)	1050	1150
Hose distance (cm)	20	20
No. of outlets	32	36

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Quality by Experience

More details about the innovative Bomech technology



Control options

More details

	UP	FLEX	SPEEDY	FARMER	MULTI PROFI	4XL	TRAC-PACK
2DA	✓						
3DA	✓	✓	✓	✓	✓	✓	✓
E-Control		✓	✓	✓			
E-Control Plus			✓	✓			
I-Control	✓	✓	✓	✓	✓		
ISOBUS 	✓	✓	✓	✓	✓		

	ÖL	ELEKTRISCH
2DA	2x DA + 1x free return	-
3DA	3x DA + 1x free return	12V - 20 Amp. power for the Farmer 18, Multi 4XL and Trac-Pack
E-Control	1x DA + 1x free return	12V - 15 Amp. power
E-Control Plus	1x DA + 1x free return	12V - 20 Amp. power
I-Control	1x DA or LS	12V - 20 Amp. power
ISOBUS 	1x DA or LS	12V - 20 Amp. power

2DA

The 2DA Bomech sequence control is a permanently installed sequence control on the trailing shoe distributor. There is no separate control panel from Bomech.

- 1x DA for folding in and out, lifting and lowering incl. tanker gate valve (sequence control)
- 1x DA for drive macerators 35L
- 1x free return

3DA

As a standard, all Bomech trailing shoes are in 3x DA configuration, these functions must be integrated into the control of the tanker and/or tractor.

- 1x DA for folding in and out
- 1x DA for lifting and lowering
- 1x DA for drive macerators 35L
- 1x free return

I-Control

The Bomech I-Control is an electro-hydraulic control with a separate control panel.

- 1x DA or Load-Sensing
- Automatic function with headland management
- All functions also can be operated individually
- Also possible to control extra functions (A1 to B2)

E-Control

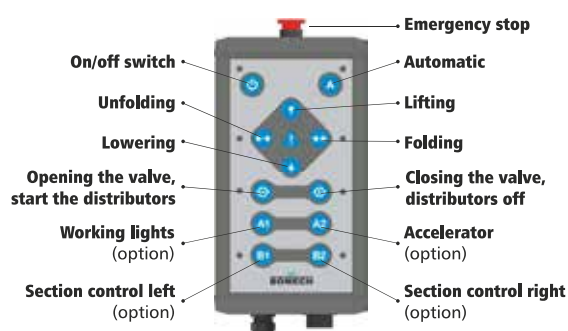
The Bomech E-Control is a permanently installed sequential control on the trailing shoe. There is no separate control panel from Bomech.

- 1x DA for folding in and out, lifting and lowering, drive macerators incl. tanker gate valve (sequence control)
- 1x free return
- Tanker gate valve closes when the trailing shoe distributor is lifted

E-Control Plus

The E-Control Plus is an addition to the E-Control. This function allows the trailing shoe to be lifted without closing the gate valve from the tanker. The E-Control Plus can be activated using a push button in the cab.

- 1x DA for folding in and out, lifting and lowering, drive macerators incl. tanker gate valve (sequence control)
- 1x free return



Hose distance

18,75 CM

Bomech offers the possibility to drive all available types of trailing shoe distributors in the working widths 12 m, 15 m and 18 m with a reduced hose distance of 18.75 cm. As standard, the outlets are mounted with a distance of 25 cm, but if an even more precise distribution with narrower strips is required, Bomech offers the optimal solution, while maintaining the high active ground pressure and ground clearance. Even on slopes, the transverse distribution remains optimal with this solution, because each hose has its own connection to the macerator.

Always a very high active ground pressure

The Bomech trailing shoe systems have a very high active ground pressure. The active ground pressure of the different Bomech models varies between 8 – 12 kg per trailing shoe. This ensures that the grass or crops are well opened for optimum slurry utilization and environmentally friendly fertilization. By reducing the trailing shoe distance to 18.75 cm, theoretically the active trailing shoe pressure goes down because of the extra outlets. But due to the increase in total weight, the active pressure will be almost the same. Therefore, the slurry deposition remains perfect in contrast to other solutions in the market where the active pressure is reduced by half.

Hose distance 18.75 cm
incl. ASC-system for tramlines



WORKING WIDTH 12 M		
Hose distance (cm)	25	18,75
No. of outlets	48	64
Alrena macerators	2x V30	2x V36

WORKING WIDTH 15 M		
Hose distance (cm)	25	18,75
No. of outlets	60	80
Alrena macerators	2x V30	2x V42

WORKING WIDTH 18 M		
Hose distance (cm)	25	18,75
No. of outlets	72	96
Alrena macerators	2x V36	2x V48

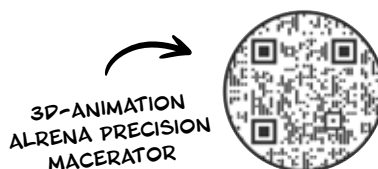
Features of the hose distance 18,75 CM

1. Available in the Speedy, Farmer and Multi Profi series, in working widths of 12 m, 15 m and 18 m
2. Better slurry distribution and slurry flow because of extra outlets and use of larger Alrena precision macerators
3. Slurry placement takes place with narrower strips
4. Almost the same active ground pressure as with a hose distance of 25 cm
5. Fertilizing in high plant stocks remains possible due to the high ground clearance
6. Optimal slurry distribution with the Alrena macerators, even on slopes due to distribution through individual hoses
7. Less chance of blockage due to slurry distribution through individual hoses instead of a solution with a split outlet
8. Also possible for retrofitting to trailing shoe distributors in working widths of 12 m, 15 m and 18 m



ALRENA

Precision macerator



The Alrena precision macerator is a cutting rotor with unique precision in slurry distribution. The design is very compact and conversion to larger or smaller flow rates is quick and easy. The Alrena precision macerator has a 40% higher air flow and a 5" connection without taper for liquid/slurry. Due to the rotating cutting system, dry running is no problem with only minimal wear and minimal heating. Hydraulic oil and slurry are completely separated from each other.

Rotating cutting system

The pivot point of the rotating cutting discs is off-centre to the holes of the perforated plate. Due to the different pivot points and the resistance of the solids to be cut in the slurry, the knives rotate constantly. Thanks to this forced rotation, each cut is carried out with a new piece of knife. The rotation also provides the advantage that the knives work self-sharpening and no wear grooves are generated. Spiral springs between the left and right knives will tension both knives equally.

Rotating cutting system



Exploded-view Alrena precision macerator



Model	Nr. of outlets	Ø outlets (mm)
SV24	24	40
V30	30	40
V36	36	40
V42	42	40
V48	48	40

Dimensions and designs mentioned are entirely without any obligation whatsoever and are subject to alternations at any time without prior notice



ASC-system

Alrena Section Control



3D-ANIMATION
ALRENA ASC-SYSTEM

The spreading of slurry requires more and more precision. Section control with the ALRENA ASC-system allows individual hose outlets or pre-programmed sections to be switched on or off. Due to a two-chamber system in the ASC compressed-air valve, slurry and air are separate from each other and there is no mixing. With a working pressure of approx. 4.5 bar, the slurry has no chance to flow through. The ASC compressed-air valve is easy to install (also possible as a retrofit) and has a very short reaction time for closing and opening.

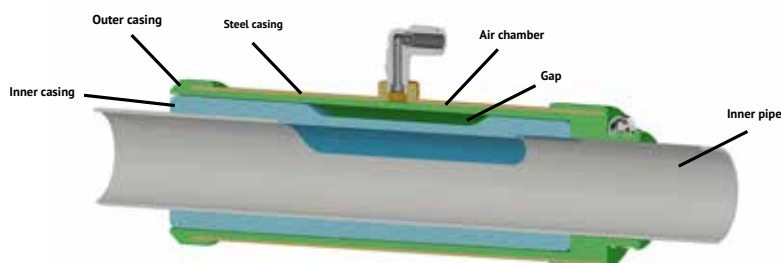
A wide range of possibilities

The Alrena Section Control system is offered as a complete set directly from the factory together with the Bomech trailing shoe distributors. Depending on the customer's requirements, the system can reduce the working width to any desired working width. Furthermore, the tramlines can also be switched off through the system. The valves are switched via a centrally mounted control box. The control itself is either carried out through an optional Alrena control screen or is integrated in the tanker control unit and can be switched via GPS (depending on the possibilities of the tanker manufacturer).

How does the ASC-system work?

With normal slurry application, it looks like the illustration like on the right. When the ASC-system is switched on, the space between the steel casing (yellow) and the outer casing (green) fills with air (air chamber). This presses the outer casing (green) against the inner casing (blue). The inner casing (blue) forms a blockage in the inner pipe through a recess in the inner pipe. And this stops the slurry supply. In the neutral state, the slurry feed (inner pipe) is completely open, without tapering.

Inner pipe completely opened Ø 40mm





VISIT OUR
BOMECH FANSHOP





About us

Bomech B.V. is a Dutch manufacturer of trailing shoe distributors. The company was founded by Mr. Schurink and Mr. Hoek in the nineties.

In the early days, Bomech focused on manufacturing small trailing shoe systems, as well as sales and maintenance of agricultural equipment. The company picked up speed in 2000, expanding exports of its trailing shoe system. Today, it uses its 30 years of experience obtained in the Netherlands to conquer the world market. Bomech now delivers to all European countries, as well as to the US, Canada and New Zealand.

The company headquarters is based in Albergen in the Netherlands. Bomech's experienced team has engaged and committed employees who really enjoy their work. Our own engineers are involved in the research and development of our products. Every system is manufactured in a modern production hall and undergoes extensive safety tests before being shipped to the customer.

Bomech trailing shoe technology has been developed for many different work situations and our practical product quality has been put to the test over the last 30 years. The equipment can be used on grassland, in fields, on corn and cereals, with one investment covering the entire agricultural operation. A Bomech trailing shoe system is a universal device with a working width of 5 to 30 metres: perfect for every tank and every customer!



BOMECH

Quality by Experience

Dealer: