M LINE

bogballe

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THE COMPANY BEHIND THE WORLD'S BEST AND BIGGEST MINERAL FERTILISER SPREADER.

We are one of the world wide leading manufacturers of mineral fertiliser spreaders. 365 days a year we are thinking, developing and manufacturing the best techniques for distributing mineral fertiliser - a passion through generations.

Back in 1934 in the village of Bogballe, our founder Anders Peter Laursen started up manufacturing of equipment for chicken production. Times changed and in the beginning of the 1950's focus was brought onto our well known blue fertiliser spreaders. Today the third generation are managing BOGBALLE A/S, continuing a proud tradition.

Optimal functionality and user-friendly design are based on years of practical experience in co-operation with farmers world wide.

At our disposal we have the latest high technology production facilities combined with proven facilities for development and full scale testing in our test hall. We are working all year around analysing fertiliser specifications, testing and formulating spread charts by spreading more than 200 ton of fertiliser each year. Our test hall is one of Europe´s biggest and most advanced and the only facility that is set up with two systems to manage both 2D and 3D testing.

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it works

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1.250-5.550 LITRES CAPACITY

The new M-Line is ready and more Dynamic than ever. A range of up-to-date, innovative features puts you in a position to meet the tasks of today and for the future.
The design of the spreader and the versatility of the quantity control makes the machine more than just a fertiliser spreader - and with the impressive spreading technique you hold the strongest card.

In other words : An investment in an M-line spreader offers reliability during field work, handling high value fertilisers with care and applied with maximum precision - exactly as you would wish !

M60W plus 5.550 litres capacity

M45W plus 4.500 l

M35 base 2.350 l

REFLECTIVE PANEL
The fluorescent surface of the reflector is highly efficient and even in broad daylight will reflect with a visibility higher than traditional reflector panels. The BOGBALLE reflector fulfils the DIN 67520 standard.

GLOW LED - SPECIAL DEVELOPED BY BOGBALLE
100% water and dust proved. The 55 individual LED units provide extremely high visibility under all conditions. The Glow LED lights are approved according to EMC 10.5 E6 and classified as IP69-K.

SAFETY - BOTH DURING FIELD WORK AND ON THE ROAD.

Safety is important both during field work and in transport on public roads. The integrated safety solutions have been carefully considered in detail for design and functionality.

Highest visibility - Glow LED
The IP 69 water proofed lights do not require maintenance and offer a traffic safe signal with both rear and forward lights.

More than just a ordinary reflector.
The big DIN 67520 reflector panels highlight the spreader effectively - even in full daylight.

Efficient protection
M-line spreaders are equipped with stainless safety guards protecting against the rotating parts. Fulfils EN 14017.

MARKER LIGHT
The forward facing marker light marks the width of the spreader for oncoming traffic.

SAFETY GUARD
The M-line spreader is equipped with stainless safety guards - protecting against the rotating parts of the spreading system. Fulfils EN 14017.

EASY ACCESS FOR CLEANING
The hinged safety guards can be opened side ways to give unhindered access for cleaning the spreading device.

DEFLECTORS FOR CLEANING
Behind the reflector panels are unique access ports which deflect the cleaning water from a hose into areas which are normally not easy to reach.

SERVICING CLEANING AND MAINTENANCE

Considered in every detail - all the way
Thought has been given to the natural work flow when designing the chassis - with priority on cleaning, servicing and maintenance. The result ensures that any operation can be carried out quickly and easily.

Unhindered access
The spreader is fitted with hinged safety bars and guards which gives direct access to the spreading device.

Quick and Thorough Cleaning
Behind the hinged reflector panels you will find access ports to washing deflectors, easing the cleaning process. Further a number of flush-openings in the chassis makes it possible to clean even hidden areas. The mud flaps protecting the spreading device against stones and mud thrown from the rear wheels of the tractor, can easily be slid out of position or removed for thorough and efficient cleaning.

Universal tool
A stainless steel universal tool is placed behind the left reflector panel. This tool is used for fastening the spreading vanes, opening the sieves and to set the rotating flow outlet. All settings on the spreader requiring a tool can be carried out by this universal tool.

UNIVERSAL TOOL - ALWAYS NEAR BY
Always in the right place. The universal tool is placed in the reflector panel for opening of the sieves, fastening the spreading vanes and setting of the rotating flow outlet.

OPENING THE SIEVES
When cleaning the sieve lock is released by using the universal tool.

We can lift
and we can carry.

M45-Trail and M35-Trail
If you have the need for a smaller tractor to "carry" a big spreader then you will find the perfect match in our program of trailed chassis. The adjustable wheel track width offers the possibility of suiting most tramline and row crop widths. The spreader can of course still be used as a 3-point linkage machine, for example for late top dressing. Our trailed chassis can be used together with all M-line spreaders - except the M60W model.

BXL1300
The Big Bag lifter BXL 1300 is mounted on the 3-point linkage of the spreader to provide a one man loading and spreading machine. Place the Big Bags in the field and get a capacity increase of 3-5 Ha / hour. The telescopic and hydraulic extension arm can lift the Big Bags directly from the ground or from a trailer. Maximum load capacity is 1300 Kg.

The main lift cylinder is fitted with an anti-drop valve to give safety and security during work. The BXL 1300 can be fitted on spreaders up to 3300 litres capacity.

WE WILL CARRY THE LOAD

BXL 1300 can lift up to 1300 Kg and can be fitted on spreaders up to 3300 litres.

M35-Trail for spreaders up to 3500 Kg.

M45-Trail for spreaders up to 4500 Kg.

The spreader can be dismounted and used for late top dressing in high crops.

	M60W plus	M45W plus	M35W plus	M35W base	M45 plus	M35 plus	M35 base
Equipment							
Headland spreading to border (Manual)	–	–	–	–	●	●	●
Headland spreading from border (Manual)	–	–	–	–	○	○	○
Headland spreading to/from border (Manual)	–	–	–	–	○	○	○
Remote cable control for headland spreading	–	–	–	–	○	○	○
Headland spreading to border (Electrical)	●	●	●	●	○	○	○
Headland spreading from border (Electrical)	○	○	○	○	○	○	○
Headland spreading to/from border (Electrical)	○	○	○	○	○	○	○
PTO c/w overrun clutch	●	●	●	●	●	●	●
Waterproof overload clutch	●	●	●	●	●	●	●
Sieves included cone	●	●	●	●	●	●	●
Top dressing console	●	●	●	●	●	●	●
Tilt indicator for adjustment of the spreader	●	●	●	●	●	●	●
Mud flaps	●	●	●	●	●	●	●
Rotating flow outlet with 4 outlets (0-650 Kg/min)	●	●	●	●	●	●	●
Dynamic Section Control	○	○	○	○	○	○	○
Standard Section Control	○	○	○	○	○	○	○
NAVI Com communication module	○	○	○	○	○	○	○
GPS antenna for NAVI Com	○	○	○	○	○	○	○
Reflector panel included GLOW LED traffic light	●	●	●	●	●	●	●
Safety bar, fulfills EN 14017	●	●	●	●	●	●	●
Hopper cover, folding and full width opening	○	○	○	○	○	○	○
Transport wheels for manual moving	○	○	○	○	○	○	○
Ladder, folding	●	●	○	○	●	○	○
Ladder, side fitted	○	○	○	○	○	○	○
Sieves, top mounted full size	○	○	○	–	○	○	–
Extra wide guards for wide tyres	●	●	○	○	●	○	○
Reduction gear, 1000/540 and 540/540 rev. included transport wheels.	–	○	○	○	○	○	○
Hydraulic drive system for the spreading device.	○	○	○	○	○	○	○
Flow control, controlling oil flow / revolutions	○	○	○	○	○	○	○
Outer linkage Ø37 mm	–	○	–	–	○	–	–
Adapter for Cat. 4N lift	○	–	–	–	–	–	–
Agitator for grass seeds	○	○	○	○	○	○	○
S-indicator for setting the quantity	○	○	○	○	●	●	●
Test set for fertiliser analysis, bag including D-indicator and F-indicator	●	●	●	●	○	○	○
Speed input plug ISO 11786	○	○	○	○	○	○	○
Wheel sensor inductive for CALIBRATOR	○	○	○	○	○	○	○
Pilot check valve, prevents oil from leaving the hydraulic remote control cylinder	–	–	–	–	○	○	○

● Standard
○ Extra
– Not available

There might be country or area specific demands regarding size, shape, color or location of the reflector boards. Please contact the local authorities regarding additional requirements.
The tractor board might report fault indications regarding the traffic lights. If so this has to do with the very low power consumption of the LED lights.

CALIBRATOR ICON

CALIBRATOR TOTZ

NAVI App for GPS spreading via Android tablet (requires CALIBRATOR TOTZ).

Hydraulic remote control of border spreading

NAVI Ant GPS antenna for NAVI App

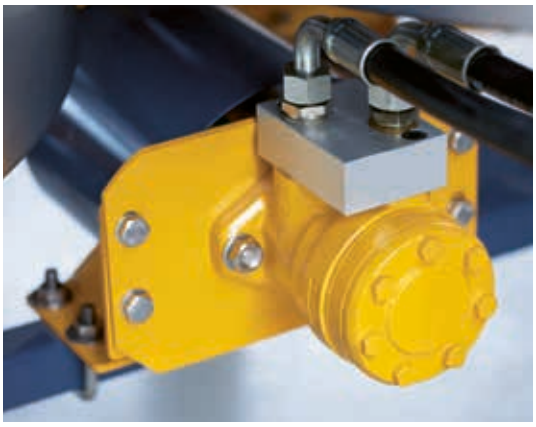
Electric remote control of border spreading for CALIBRATOR TOTZ/ICON

Ladder, folding

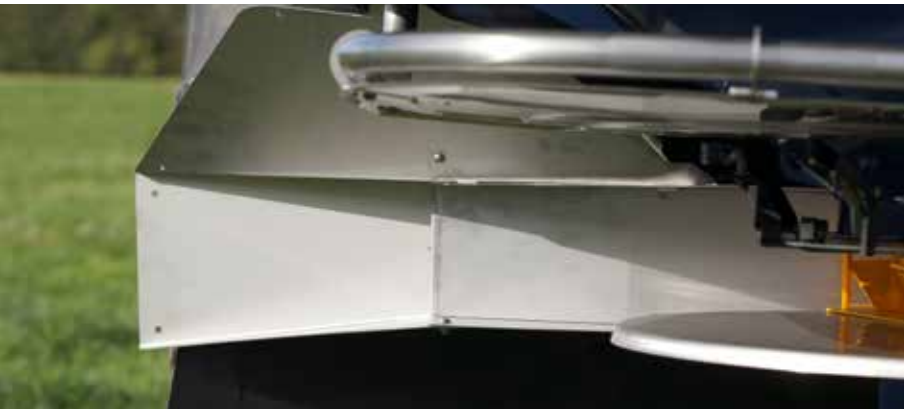
Foldable hopper cover

Sieves, top mounted

Ladder, side fitted



Hydraulic motor



Extra wide guards

Storage wheels

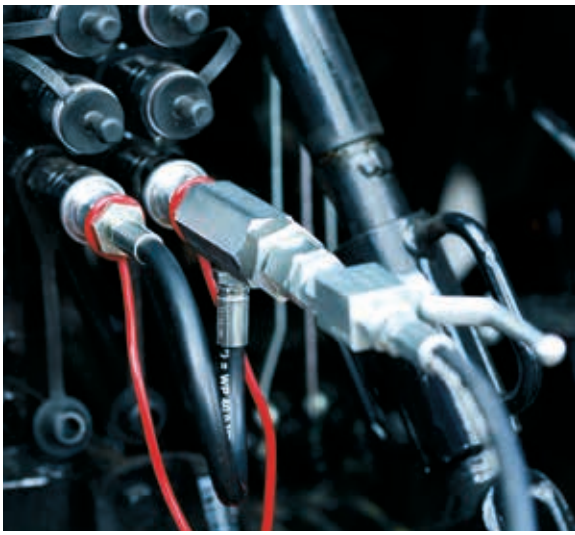
Reflector boards

Agitator for grass seed

Test set

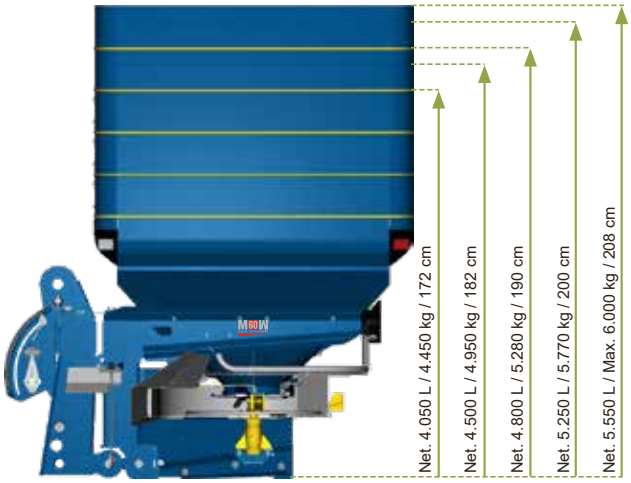
Adapter cat. 4N

RAM tablet mount

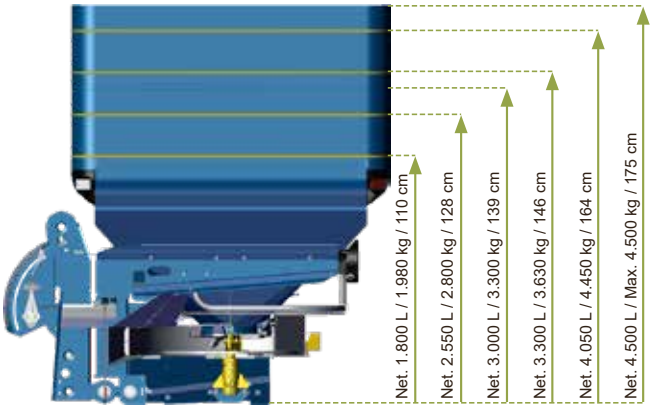


Pilot counter valve

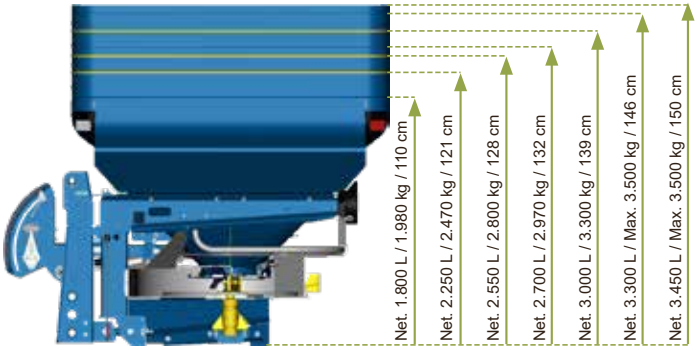
M60W plus



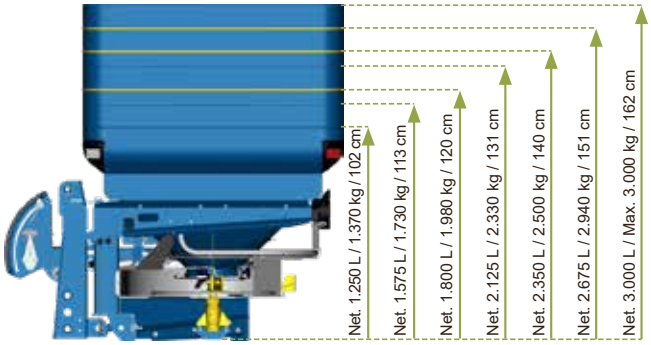
M45W plus



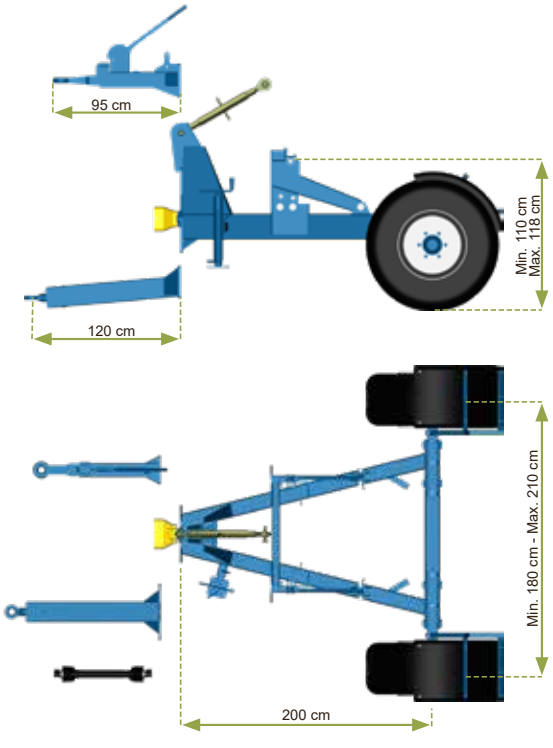
M35W / M35 plus



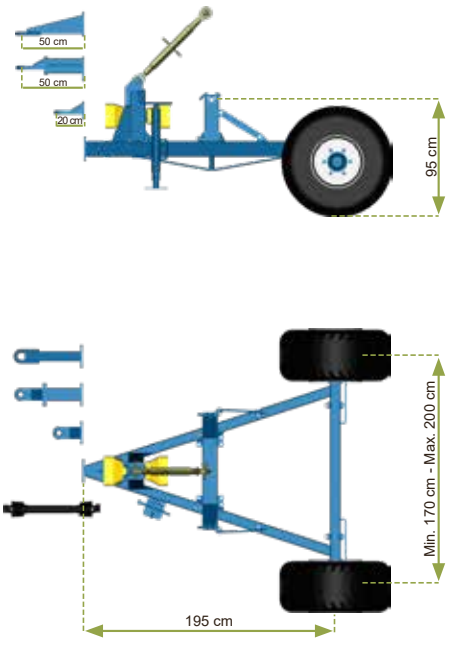
M35W / M35 base



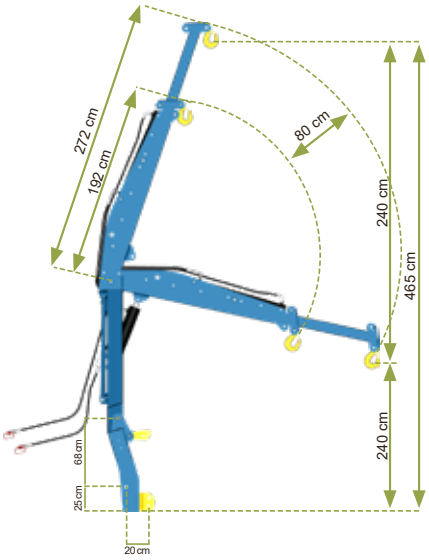
M45-Trail



M35-Trail



BXL 1300



SPECIFICATIONS

	M60W plus	M45W plus	M35W plus	M35W base	M45 plus	M35 plus	M35 base
Working width [A]							
Metres	12-42	12-42	12-42	12-42	12-24	12-42	12-42
Capacity							
Litres	4.050-5.550	1.800-4.500	1.800-3.500	1.250-3.000	1.800-4.500	1.800-3.500	1.250-3.000
Kilo [B]	4.450-6.000	1.980-4.500	1.980-3.500	1.370-3.000	1.980-4.500	1.980-3.500	1.370-3.000
Net weight							
Kilo (min. / max.)	966/1.044	660/816	534/636	490/602	510/666	450/552	406/518
Hopper dimensions							
Hopper width (cm)	290	290	290	240	290	290	240
Hopper depth (cm)	140	140	140	125	140	140	125
Fill opening (cm)	284 x 131	284 x 131	284 x 131	234 x 116	284 x 131	284 x 131	234 x 116
Distance from centre of lower link balls to centre of gravity							
Metres	0,85	0,71	0,70	0,70	0,67	0,66	0,66
Control unit							
CALIBRATOR TOTZ	◑	◑	◑	◑	○	○	○
CALIBRATOR ICON	–	–	–	–	○	○	○
ISOBUS Controller	◑	◑	◑	◑	–	–	–
NAVI Com module [C]	○	○	○	○	○	○	○
Hydraulic	–	–	–	–	○	○	○
Control of spread pattern							
Section Control Dual Dynamic +VRA	○	○	○	○	○	○	○
Section Control Standard +VRA	○	○	○	○	○	○	○
External GPS Ready [D]	○	○	○	○	○	○	○
Quantity control							
Weighing system	●	●	●	●	–	–	–
Manual calibration	–	–	–	–	●	●	●
Fully automatic calibration	●	●	●	●	–	–	–
Intelligent control	●	●	●	●	–	–	–
Speed relation	●	●	●	●	○	○	○

● Standard
◑ Depending on model
○ Extra
– Not available

A Can depend on fertiliser type
B Density 1,1 kg pr. litre. Axle load on public roads must comply with national restrictions
C Can only be used for spreaders with CALIBRATOR TOTZ
D Can only be used for spreaders with CALIBRATOR or ISOBUS Controller

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FIND US ALL OVER THE WORLD

You can find BOGBALLE spreaders in more than 100 countries worldwide and every single country will have different standards as to how a spreader must perform. Still, common for all countries is that they expect an accurate application of fertiliser. That is the reason for our wide product range that exactly fulfils this requirement, no matter if it is a simple manual controlled spreader or the most sophisticated spreader with fully automated solutions and GPS control.

We sell our spreaders through locally based dealers and each has in depth knowledge of the local conditions. This combined with the fact that the spreader consists of standard components that feature throughout the complete product programme, ensures that your spreader always remains in top form. It also ensures a ready supply of wear and spare parts in your local area.

To choose BOGBALLE is a safe choice all the way, not only for the confidence in the precise handling of the valuable fertiliser you spread in the field, but also when it comes to the total costs through the complete lifespan of the spreader.

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Dealer:

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