

SOFT BALLISTIC SYSTEM (SBS)

The ZA-M and ZG-B Precis spreaders come standard with the Soft Ballistic System (SBS), which is integrated into the spreading system. The SBS begins at the agitators (196 r.p.m.), which are shaped in such a way that the fertiliser is taken across the whole width of the hopper, thus alleviating the formation of a fertiliser funnel in the centre of the hopper and maintaining homogeneity. The fertiliser is then delivered directly on to the centre of the spreading disc. Due to the low peripheral speed (720 r.p.m) of the disc in this sector, this ensures a continuous flow of the material, which is gently collected by the spreading vane. The fertiliser is guided toward the outer edge of the disc through the vanes, and the vanes then ensure the precise distribution and exact placement over the individual sectors. The SBS is important in that the fertiliser types maintain their spreading properties through the whole process and are, therefore, precisely distributed.

All fertiliser spreaders (ZA-M and ZG-B) equipped with Amatron+ can be used in combination with GPS terminals via the RS 232 serial interface.

Range of Imported AMAZONE Products

Model	Hopper capacity (l)	Spreading width (m)
ZA-X SPREADERS		
ZA-XW 502	500	10 - 18
with 1 x S 200	700	
ZA-X 602	600	10 - 18
with 1 x S 250	850	
ZA-X 902	900	10 - 18
with 1 x S 350	1 250	
with 1 x S 800	1 700	
ZA-M SPREADERS		
ZA-M 900	900	10 - 24
with 1 x S 350	1 250	
with 2 x S 350	1 600	
with 1 x L 800	1 700	
ZA-M 1500	1 500	10 - 36
with 1 x S 500	2 000	
with 2 x S 500	2 500	
with 1 x L 1000	2 500	
with S 500 + L 1000	3 000	
ZA-M 1500 ProfiS	1 500	10 - 36
with 1 x S 500	2 000	
with 2 x S 500	2 500	
with 1 x L 1000	2 500	
ZG-B SPREADERS		
ZG-B 5500 Special	5 500	10 - 36
ZG-B 5500 Super	5 500	10 - 36
ZG-B 8 200 Special	8 200	10 - 36
ZG-B 8 200 Super	8 200	10 - 36

All Falcon equipment is designed to be simple, safe and serviceable, offering excellent value for money. Excellent customer service is also part of the Falcon promise. Our equipment is built to last and is capable of coping with tough South African conditions.

Product Groups and Products

Slashers

Light Duty
Medium Duty
Heavy Duty
Extra Heavy Duty

Haymaking Equipment

Haymakers[®]
Bale Handling Equipment
Unloaders[™]

Spreaders

Rotorspreaders
Limespreaders

Ground Engaging Equipment

Rotavators (and Bedformers)
Ploughs

Mowers

Blowermowers[™]
Grassmulchers[™]
Rollermowers
Rotagangs[™]

Mulchers

Fieldmulchers[™]
Side Discharge Mulchers

Imported Product Range

Falcon Agricultural Equipment imports and distributes the following range of products:

Slashers

Woods Batwing BW1800 4.5 m
Woods Batwing BW3240 6 m

Mowers

Votex Flail Mowers
Votex Reach Mowers
Amazone Groundkeepers

Spreaders

Amazone Spreaders

Shredders

Votex Shredders



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AMAZONE SPREADERS

The Amazone spreader is one of the best precision spreaders in the world. These implements spread fertilisers, seeds and slug pellets and are suitable for applications ranging from orchards through to large commercial farms. Hopper capacities range from 500 l to 8 200 l, and spreading widths from 10 m to 36 m.

**Simple to Calibrate!
No Tools Required!**



ZA-X PERFECT SPREADERS



ZA-X Perfect Spreader

The ZA-X Perfect spreader range is the result of more than 40 years' development in twin disc spreading systems. This versatile spreader is designed for small to medium-sized farms and is suitable for orchards, vineyards and grasslands. It is capable of accurately spreading all kinds of fertilisers, seeds and slug pellets

and can be used for normal spreading, late top-dressing and border spreading.

Adjustments to the discs do not require tools. The spreaders are supplied standard with a hopper sieve, a hydraulic independent shutter control for either left- or right-hand side spreading, and a complete calibration kit.

The ZA-X Perfect 502, 602 and 902 models are equipped with border spreading plates.

The hopper capacities range from 500 l to 1 700 l with the use of an extension. The spreading widths range from 10 m to 18 m.

ZA-M SPREADERS



ZA-M Spreader

The ZA-M spreader with SBS (Soft Ballistic System) is suitable for use on any farm or by contractors. The spreader has a robust frame design with a low filling height and twin hopper system for better fertiliser control. The spreader is capable of accurately spreading all kinds of fertilisers, seeds and slug pellets and can be used for

normal spreading, late top-dressing and border spreading.

ZA-M spreaders have maintenance-free oil-bath gearboxes with integrated overload safety protection, a double shutter system for optimised spread rate settings, folding and lockable sieves against foreign particles, a calibration device, setting chart and calculating disc rule.

The hopper capacities range from 900 l to 3 000 l with the use of an extension. The spreading widths range from 10 m to 36 m.

ZA-M Electronic Packages (Optional Extras)	Control Package	Tronic Package	Comfort Package	Hydro Package
On-board computer	AMADOS+	AMATRON+	AMATRON+	AMATRON+
Forward speed related spread rate control (= optimum operational speed)	X	X	X	X
+/- Spread rate change, individual, either both sides or one side	X 10 % steps	X 10 % steps	X 10 % steps	X 10 % steps
Hectare counter, more comfortable calibration test	X	X	X	X
Double shutter system (electronic metering slides, hydraulic shutter slides) with emergency mode	X	X	X	X
Splash-proof and corrosion protection for all electronic components	X	X	X	X
Monitoring of the limiter and automatic spread rate reduction at border spreading		X	X	
Special function for spreading slug pellets		X	X	X
RS 232 serial interface for HydroN-Sensor and GPS terminal; ISOBus prepared, job storage for 20 field record memories		X	X	X
Online weighing system, calibration and test (only ZA-M ProfiS)		X Only ProfiS	X Only ProfiS	X Only ProfiS
Activation of all hydraulic functions via AMATRON+			X	X
Electrohydraulically regulated and controlled spreading disc speed				X
Border and field side spreading for both sides by revolution speed change with automatic adaptation of the spread rate				X
Wedge-shaped spreading (e.g. 6-section part width shut-off control)				X

ZG-B SPREADERS



ZG-B Spreader

This implement is a mineral fertiliser spreader with steep hopper walls to ensure a good fertiliser flow, even with moist fertiliser and a sloping terrain. The large-dimension tyres reduce ground pressure, in that way reducing compaction and enabling in-field operation even in difficult conditions. The Amazone

ZG-B bulk material broadcaster specialises in the requirements of very large farms and contractors.

The larger hopper capacities reduce driving and loading times. Spreading widths range from 10 m to 36 m for mineral fertilisers. The large filling area allows for loading from a silo or a loading shovel. The hopper can be checked from the folding ladder and the parking leg is strong enough to support the spreader, even when it is full. Spreading discs can be changed easily from lime-spreading discs, which can spread damp base fertilisers, dried sludge and dry poultry manure (moisture content $\leq 30\%$), to OM spreading discs for normal base fertilisation with granular mineral fertilisers.

The models within the ZG-B range are:

- The Special, which is equipped with a rubber floor belt and of which the spread rate is adjusted via the main shutter slide. (The PTO drives the rubber floor belt as well as the spreading discs.)
- The Super, with additional, cost-effective speed-related fertiliser application rate control via the mechanical ground-wheel drive which ensures that the spreading rate remains constant, even with varying speeds and on slopes. (The PTO drives the spreading discs, while the groundwheel drive drives the rubber floor belt.)
- The Drive, with speed-related spread rate control via an electrohydraulically controlled rubber floor belt with the aid of the Amatron+ in-cab operator terminal. (The PTO drives the spreading discs, while the rubber floor belt is electrohydraulically controlled.)
- The Precis, which has speed-related spread rate control via the electrohydraulically controlled rubber floor belt with the aid of the Amatron+ in-cab operator terminal and is equipped with the proven double shutter system from the ZA-M fertiliser series with hydraulic shutter and electronically controlled metering slide. (The PTO drives the spreading discs, while the rubber floor belt is electrohydraulically controlled.)

On the ZG-B 5500 Drive and Precis models an option exists that suits contractors, which is to fit them with a weighing system that makes it possible to determine the quantity of material spread.

In summary:

SPECIAL	Good value, PTO drive, metering system
SUPER	Mechanical groundwheel drive
DRIVE	Electrohydraulic metering system with Amatron+
PRECIS	ZAM metering system with AMATRON+ Comfort

The hopper capacities are 5 500 l and 8 200 l. The spreading widths range from 10 m to 36 m.