

Simple, precise, reliable



K Type

BREDAL

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The following are

STANDARD FEATURES



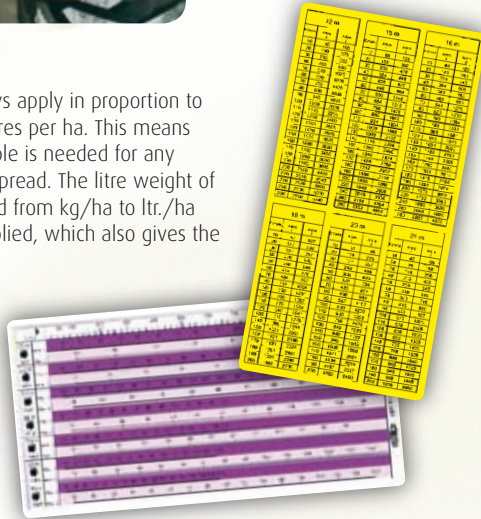
The mechanical drive wheel transfers the vehicle's speed, enabling the application rate to be adjusted according to the forward speed. The drive wheel is simply and robustly built and can be adjusted to suit different treads and wheel sizes. The drive wheel has a spring pressure of 400 kg. This guarantees that the vehicle wheel speed is always transferred accurately to the conveyor belt.



The rear hatch is fed by plastic guides, which ensures that the rear hatch will work even if the spreader is fully loaded. A hydraulic rear hatch is also available.



BREDAL spreaders always apply in proportion to volume, expressed in litres per ha. This means that only one dosing table is needed for any material which can be spread. The litre weight of the material is converted from kg/ha to ltr./ha via the range table supplied, which also gives the spreader settings.



The wheel drive is connected to the conveyor belt gear by a PTO (power take-off) shaft. The standard 2-speed gearbox means that the rear hatch opening is always the right size for the material being spread. A gear for spreading particularly small amounts, ranging from 50 to 60 kg/ha, is available as an optional extra.



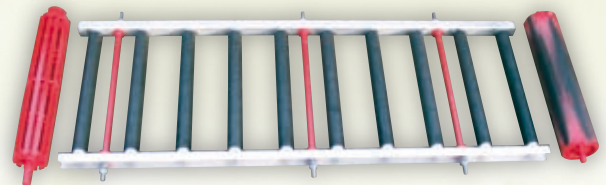
Like the SPC4500-2, the SPC4500-1 spreading system also has a belt transmission. The v-belts in this particular system run on stainless steel pulleys to ensure the optimal transfer of power and a high level of corrosion resistance. The SPC4500-1 spreading system is installed as standard on the K40, K45 and K65. The system can be fitted with a headland device for headland spreading from 12-36 m.



The SPC4500-2 spreading system uses a belt transmission, in which 2 SPC v-belts transfer power from the tractor's PTO to the spreading discs. A belt transmission offers numerous advantages, including the absorption of shock loads by the v-belts without damaging the transmission. The powerful SPC4500-2 spreading system can easily apply up to 1,600 kg/minute. The SPC4500-2 spreader system is standard on the K85, K105 and K135.

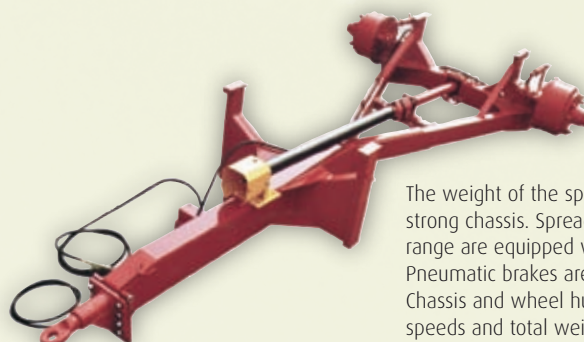


BREDAL spreaders derive their strength from the chassis, upon which the frame rests at 4 points. All parts have been sandblasted before application of epoxy primer, followed by a 2 component paint.



The conveyor belt rests on a powerful carrying frame with stainless steel beds and plastic-coated belt rollers with stainless steel shafts. The rollers have nylon, maintenance-free bearings. A close seal between bearing and roller prevents dust and foreign objects getting into the bearings.

The spreading system is easily moved to permit the alteration of the spreading width to achieve the perfect spread pattern.



The weight of the spreader is borne by the strong chassis. Spreaders in the K65 to K135 range are equipped with hydraulic brakes. Pneumatic brakes are available as an option. Chassis and wheel hubs are designed for high speeds and total weight.



The standard SPC spreader system is fitted with spreader discs for spreading fertilizer up to 24 m and lime up to 16 m. Direction of rotation is centre line.

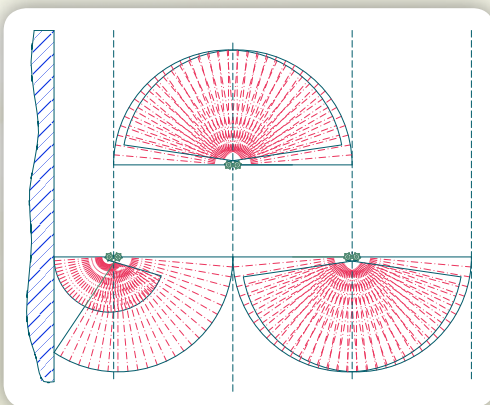
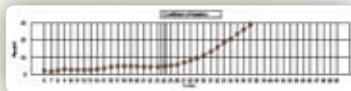
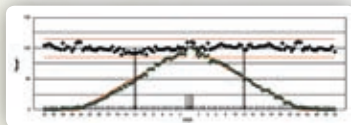


For spreading compost, sand and heavy materials, the direction of rotation (off centre) of the spreader discs can be changed. This feature is available in two ways on the SPC4500-1 and 2 spreading boxes.

- a. A spreader system with reversed direction of rotation on the spreader discs.
- b. A spreader system fitted with a reverse gear, able to operate with both reversed and normal direction of spreader disc rotation.

BREDAL endeavours to manufacture spreaders with the simplest possible design and adjustment requirements.

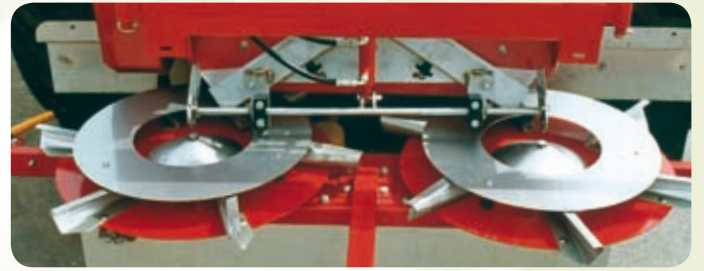
A double overlap offers a greater degree of certainty when spreading at varying wheel track distances and at a variable PTO speed. Any variation in the quality of the material being spread, for example the size and strength of fertilizer grains, can also affect the outcome.



A headland spreader (optional extra) is available for headland spreading which reduced the RPM on the left spreader disc, whilst maintaining the RPM on the right.

A headland device is available for headland spreading at 12-28 m and at 28-36 m.

For spreading artificial fertilizer, a set of equipment for spreading at widths of 12-36 m is available (optional extra). The set consists of spreader discs and chute. For maximum service life, the spreading blades are coated with carbide.

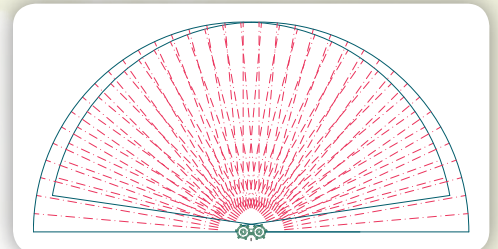


BREDAL regularly tests its spreaders out in the field and at the Bygholm Research Centre, which has testing facilities of a high international standard.



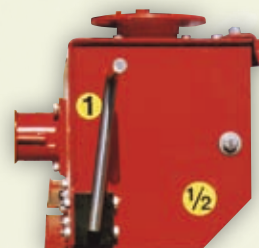
BREDAL spreaders work according to the double-overlap principle, i.e. at a spreading width of 12 m, the actual spread is 24 m. This principle ensures correct spreading.

- a. BREDAL uses spreading discs with a large diameter to give fertilizer grains as high a speed as possible on leaving the spreader, in order to minimize the effect of the wind.
- b. The spread pattern covers an area of 1,000-2,000m² when spread at 1,000 rpm, so the concentration of fertilizer per m² is extremely small. This makes even spreading in marginal and odd-shaped areas possible.

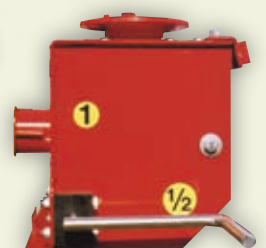


SPC4500-1 spreader system with headland gear.

The SPC4500-1 spreading system is available with a headland device, with either manual or hydraulic operation from the driver's cab.



Spreading in the field.



Headland spreading.

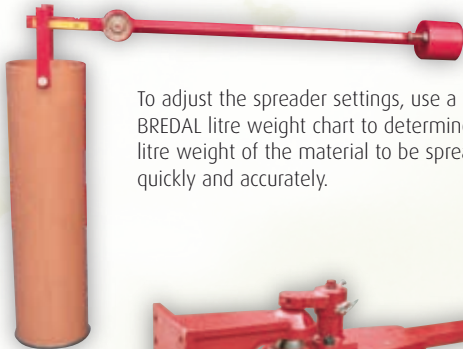
EXTRA FEATURES



BREDAL'S weight transfer system stabilizes both the tractor and the spreader in the field and on the road, which improves driver comfort, the durability of tyres and the shelf life of materials. BREDAL's weight transfer system means that the tractor's front ballast weight can be removed, accessibility improved and the forward speed increased, without any 'jumping'. When this system is installed at the factory, the spreader's rear axle is moved further back to increase the weight on the tractor's towing hook.



When using a 540 to 1,000 gear or 1,000 to 540 gear, it is possible to use tractors that cannot operate at both PTO speeds.

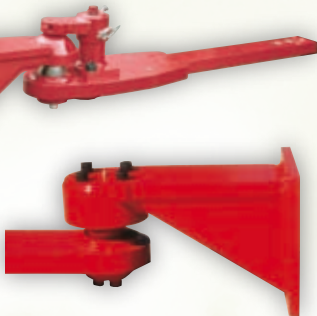


To adjust the spreader settings, use a BREDAL litre weight chart to determine the litre weight of the material to be spread quickly and accurately.



A roller cover for the conveyor belt and the spreading disc feed offers protection against the weather and against clumps of earth from the wheels.

The best connection can be achieved by using a BREDAL ball hitch. This strong and secure ball hitch is ideal for larger spreaders, slurry tankers and other heavy-duty vehicles.



All BREDAL spreaders are fitted with a roller cover. Models K65, K85, K105 and K135 can also be fitted with a hydraulic cover.



Various types of tyres are available on request.

The spreader can be equipped with various types of electronic control and monitoring equipment. All requirements regarding the calculation of area, quantity consumed, controlled application, weighing cells, time consumption, DGPS control etc can be facilitated using the LH500 computer. Request our special brochure.



K45 - K105 spreaders can be fitted with weighing cells to control the quantity of materials applied and for automatic application (Bredal LH 500 Computer). Bredal uses weighing cells of an exceptional quality to measure weights accurately and reliably.



For electrical/hydraulic operation, the belt is controlled via a valve and oil motor. This facilitates spreading of large or small amounts. If required, the spreading wheel can remain in the machine as a backup, for example, if it becomes necessary to use a tractor that does not have a computer installed.



K Type



K85 with 650/65 x 30.5 tyres, 12-16 m lime/12-24 m fertilizer equipment.



K40 with 425/65 x 22.5 tyres, 12-16 m lime/12-24 m fertilizer equipment.



K105 with 800/65 x 32 tyres, hopper extension, hydr. dosing control, transmission-activated backup and 12-16 m lime/12-24 m fertilizer equipment.



K45 with 16.9 x 30 tyres, 12-36 m fertilizer equipment, hopper extension, cover over spreader system and hydraulically-controlled dosing.



K135 with 650/65 x 30.5 tyres, 12-16 m lime/12-24 m fertilizer equipment and hopper extension with hydr. cover. K135 comes as standard with hydr. dosing control via Bredal LH500 computer.



K65 with 23.1 x 26 tyres, hopper extension, cover and 12-16 m lime/12-24 m fertilizer equipment.

Technical data

	K40	K45	K65	K85	K105	K135
Net weight approx.	1,400 kg	1,600 kg	2,000 kg	2,800 kg	3,200 kg	6,500 kg
Capacity (level measure)	2.5 m ³	3.5 m ³	5 m ³	6.6 m ³	9 m ³	13.5 m ³
with extension (level measure)	3.6 m ³	4.8 m ³	6.5 m ³	8.5 m ³	11.3 m ³	17 m ³
Wheel size	425/65 x 22.5 550/60 x 22.5* 16.9 x 30/8 PR	16.9 x 30/8 PR* 23.1 x 26/8 PR	23.1 x 26/10 PR* 28 x 26 650/65 x 30.5	650/65 x 30.5* 800/65 x 32	750/60 x 30.5 800/65 x 32*	650/65 x 30.5* 750/60 x 30.5
Hydraulic brakes (1)	Excl.	Excl.	Standard	Standard	Standard	Standard
Hydraulic jack	Excl.	Excl.	Excl.	Standard	Standard	Standard
Hopper length	280 cm	290 cm	300 cm	395 cm	410 cm	578 cm
Hopper width	175 cm	195 cm	215 cm	215 cm	245 cm	245 cm
Loading height approx.	180 cm*	205 cm*	230 cm*	235 cm*	265 cm*	275 cm*
Total length	530 cm	530 cm	530 cm	660 cm	660 cm	874 cm
Maximum width	240 cm*	230 cm*	252 cm*	265 cm*	288 cm*	290 cm*
Std. Spreader transmission	SPC4500-1	SPC4500-1	SPC4500-1	SPC4500-2	SPC4500-2	SPC4500-2

(1) Pneumatic brakes are available as an alternative.

* Equal to load height and width.

All spreaders are supplied as standard with a wide-angle PTO shaft, lights and sidelights. For 12 – 16 m lime/12 – 24 m fertilizer application.



Bredal sand spreader. For mounting on type K45-K105.



Bredal 12 m worm drive spreader.

Dealer

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