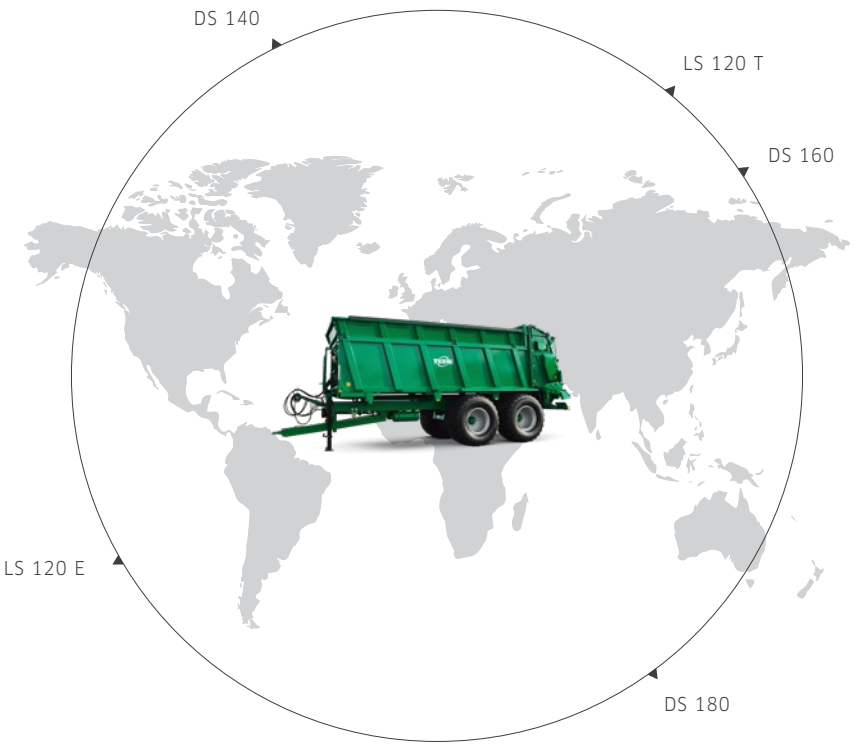
TEBBE
SPREADERS

LS 120 E, LS 120 T
DS 140, DS 160, DS 180

SPREADERS BY TEBBE – EFFICIENCY AND AGILITY FOR YOUR DAILY TASKS ON THE FIELDS



The LS series is designed for smaller and medium spreading quantities. The spreaders are suitable for tractors with 100 to 120 HP. These machines are specially recommended for farmers with relatively small geographical land units. They are streamlined with a low dead weight which makes them highly manoeuvrable.

The design of the DS series is always identical to the LS series. The differences lie in the length, height of the side walls, varying wheelbases and the higher permissible overall weight.

DS spreaders are the preferred standard machines of agricultural contractors, machinery cooperatives and agricultural companies – they are compact, powerful and extremely reliable when used continuously.

SINGLE-AXLE SPREADER LS 120 E

The single-axle LS 120 E is the ideal work unit for small tractors in a range of 120-150 HP. It can be used to stack both manure or compost. The spreader is very lightweight, which means it is extremely manoeuvrable.

The beaters are driven by means of a reinforced 1" rolling chain. The solid chain tensioner can be checked and re-tightened when the safety guard is closed.

All basic models of the LS and DS spreaders are equipped with an endless floor with four 14 x 50 mm thick round steel chains with 24 t break load per chain.

LS 120 E / Technical Details

Total weight	12,000 kg
Working load approx.	7,500 kg
Support load	2,000 kg
Frame of bottom chain	5,700 mm x 2,000 mm
Box dimensions	4,600 mm x 1,910 mm
Height of side walls	1,000 mm
Usable load capacity approx.	11 cbm
Loading height over side walls	2,550 mm
Axles	10 bolts
Tires	560/60 R 22.5

Chassis
> BPW single-axle aggregate
> Clevis type coupling with 1 rubber shock absorber, ring Ø 40 mm
> 10-t jack stand with 2-step gearbox
> Warning lights for road transport

Brake
> 2-wheel oil-pressure brake or 2-wheel air-pressure brake
> Parking brake

Body
> Welded 3 mm thick steel body
> Height of side walls 1,000 mm
> Rubber sealing on front wall
> Hydraulically-actuated rear hood

Spreading Aggregate
> Two beater rotors with a diameter of 550 mm (opening area vertical 1,300 mm)
> 1" roller chain to drive the beater rotors
> Two Ø 1,000 mm discs with four distribution vanes on each
> Disc gearing with shaft Ø 50 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick HARDOX wear plates
> WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

Safety Devices
> PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
> Overload clutch for protection of spreading aggregate
> Optional equipment for electrical operation
Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

Paintwork
> Green RAL 6029

TANDEM-AXLE SPREADER LS 120 T

The LS 120 T is the tandem version of the LS 120 E. It stands out thanks to a higher useful load and is equally as manoeuvrable due to its streamlined design. During spreading, the LS 120 T reaches a work width of 18 metres at a VK-value of 6.6 percent.

LS 120 T / Technical Details

Total weight	12,000 kg
Working load approx.	6,500 kg
Support load	2,000 kg
Frame of bottom chain	5,700 mm x 2,000 mm
Box dimensions	4,600 mm x 1,910 mm
Height of side walls	1,000 mm
Usable load capacity approx.	11 cbm
Loading height over side walls	2,550 mm
Axles	10 bolts
Tires	560/60 R 22.5

Composite chassis comprising 4 parabolic suspension springs for stable handling and a high level of comfort.

The boundary spreader device allows compact and precise manoeuvring along the edge of the field. It offers protection for other traffic users, prevents the spread material from entering waters and helps to counter under-fertilization of the edge of the field.

Chassis
> Tandem-axle aggregate with parabolic suspension, BPW axles
> Clevis type coupling with 1 rubber shock absorber, ring Ø 40 mm
> 10-t jack stand with 2-step gearbox
> Warning lights for road transport

Brake
> 4-wheel oil-pressure brake or 4-wheel air-pressure brake
> Parking brake

Body
> Welded 3 mm thick steel body
> Height of side walls 1,000 mm
> Rubber sealing on front wall
> Hydraulically-actuated rear hood

Scraper Floor
> Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
> Steel bottom
> Gearbox with hydr. motor for forward and reverse motion of scraper floor

Spreading Aggregate
> Two beater rotors with diameter 550 mm (opening area vertical 1,300 mm)
> 1" roller chain to drive the beater rotors
> Two Ø 1,000 mm discs with four distribution vanes on each
> Disc gearing with shaft Ø 50 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick, HARDOX wear plates
> WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

Safety Devices
> PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
> Overload clutch for protection of spreading aggregate
> Optional equipment for electrical operation
Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

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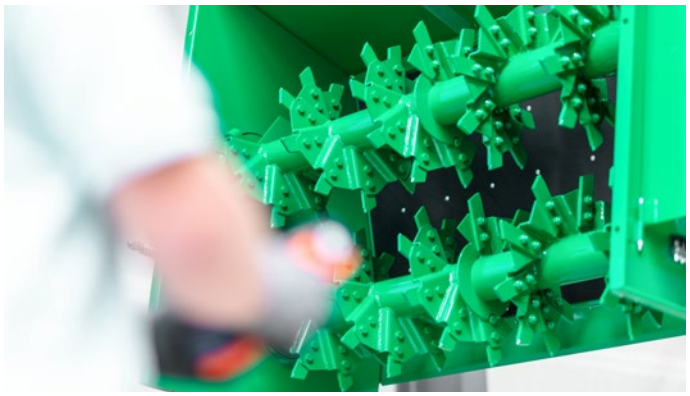
TANDEM-AXLE SPREADER DS 140

The tandem spreader DS 140 offers more useful load and a higher permissible over-all weight for higher spreading quantities. In contrast to the LS series, all spreaders of the DS series also have higher side walls and a larger axial distance.

Control terminal for endless floor with safety equipment. Optionally, this can also be delivered with an hour counter.



Spreader unit with two aggressive beaters, screwed and reinforced screw-on tips for professional use.

DS 140 / Technical Details

Total weight	14,000 kg
Working load approx.	8,000 kg
Support load	2,000 kg
Frame of bottom chain	6,000 mm x 2,000 mm
Box dimensions	4,900 mm x 1,910 mm
Height of side walls	1,100 mm
Usable load capacity approx.	12 cbm
Loading height over side walls	2,600 mm
Axles	10 bolts
Tires	560/60 R 22.5

Chassis
> Tandem-axle aggregate with parabolic suspension, BPW axles
> Clevis type coupling with 1 rubber shock absorber, ring Ø 40 mm
> 10-t jack stand with 2-step gearbox
> Warning lights for road transport

Brake
> 4-wheel oil-pressure brake or 4-wheel air-pressure brake
> Parking brake

Body
> Welded 3 mm thick steel body
> Height of side walls 1,100 mm
> Rubber sealing on front wall
> Hydraulically-actuated rear hood

Scraper Floor
> Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
> Steel bottom
> Gearbox with hydr. motor for forward and reverse motion of scraper floor

Spreading Aggregate
> Two beater rotors with diameter 550 mm (opening area vertical 1,300 mm)
> 1" roller chain to drive the beater rotors
> Two Ø 1,000 mm discs with four distribution vanes on each
> Disc gearing with shaft Ø 50 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick, HARDOX wear plates
> WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

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TANDEM-AXLE SPREADER DS 160

Compared to the DS 140, the tandem-axle spreader DS 160 has a higher useful load of 11,500 kg with a permissible overall weight of 18,000 kg. Like all spreaders of the DS series, it has aggressive tearing beaters and a heavy, completely screwed spreader table for permanent maximum efficiency and stability.

All LS and DS models are equipped with a spring-loaded upper coupling with a Ø 40 mm ring hitch. Series models also include a telescopic support foot with a 2-gear transmission.

Optionally, all LS, DS and HS universal spreaders can be equipped with double lighting. It improves traffic safety considerably, especially when driving at dusk or at night.

DS 160 / Technical Details

Total weight	18,000 kg
Working load approx.	11,500 kg
Support load	2,000 kg
Frame of bottom chain	6,000 mm x 2,000 mm
Box dimensions	4,900 mm x 1,910 mm
Height of side walls	1,250 mm
Usable load capacity approx.	13 cbm
Loading height over side walls	2,750 mm
Axles	10 bolts
Tires	560/60 R 22.5

Chassis
> Tandem-axle aggregate with parabolic suspension, BPW axles
> Clevis type coupling with 1 rubber shock absorber, ring Ø 40 mm
> 10-t jack stand with 2-step gearbox
> Warning lights for road transport

Brake
> 4-wheel oil-pressure brake or 4-wheel air-pressure brake
> Parking brake

Body
> Welded 3 mm thick steel body
> Height of side walls 1,250 mm
> Rubber sealing on front wall
> Hydraulically-actuated rear hood

Scraper Floor
> Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
> Steel bottom
> Gearbox with hydr. motor forward and reverse motion of scraper floor

Spreading Aggregate
> Two beater rotors with diameter 550 mm (opening area vertical 1,300 mm)
> 1" roller chain to drive the beater
> Two Ø 1,000 mm discs with four distribution vanes on each
> Disc gearing with shaft Ø 50 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick, HARDOX wear plates
> WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

Safety Devices
> PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
> Overload clutch for protection of spreading aggregate
> Optional equipment for electrical operation
Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

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TANDEM-AXLE SPREADER DS 180

The tandem-axle spreader DS 180 has a useful load of 12,000 kg making it the largest work unit in the DS series. This means that it offers enough resources and performance even for more comprehensive agricultural tasks. It comes with the durable spreader table that is typical for the series, very strong tearing beaters and a reinforced 1” rolling chain.

Aggressive beaters

DS 180 / Technical Details

Total weight	20,000 kg
Working load approx.	12,000 kg
Support load	2,000 kg
Frame of bottom chain	6,700 mm x 2,000 mm
Box dimensions	5,600 mm x 1,910 mm
Height of side walls	1,250 mm
Usable load capacity approx.	15 cbm
Loading height over side walls	2,750 mm
Axles	10 bolts
Tires	560/60 R 22.5

Chassis
> Tandem-axle aggregate with parabolic suspension, BPW axles
> Clevis type coupling with 1 rubber shock absorber, ring Ø 40 mm
> 10-t jack stand with 2-step gearbox
> Warning lights for road transport

Brake
> 4-wheel oil-pressure brake or 4-wheel air-pressure brake
> Parking brake
> Automatic air-pressure brake

Body
> Welded 3 mm thick steel body
> Height of side walls 1,250 mm
> Rubber sealing on front wall
> Hydraulically-actuated rear hood
> Slurry gate with mechanical height indicator at front of spreader

Scraper Floor
> Two conveyors with four round steel chains 14 x 50 mm (breaking load 4 x 24 t)
> Steel bottom
> Gearbox with hydr. motor for forward and reverse motion of scraper floor

Spreading Aggregate
> Two beater rotors with a diameter of 550 mm (opening area vertical 1,300 mm)
> 1" roller chain to drive the beater
> Two Ø 1,000 mm discs with four distribution vanes on each
> Disc gearing with shaft Ø 50 mm/overload protection/freewheel drive mechanism, spreading unit protected by 8 mm thick, HARDOX wear plates
> WALTERSCHEID PTO PWE 480 with overload protection, freewheel drive mechanism and wide angle joint

Safety Devices
> PTO-shaft with overload clutch for protection of mechanical drive and beater rotors
> Overload clutch for protection of spreading aggregate
> Optional equipment for electrical operation
Automatic stop of bottom chain. Monitoring of rotating beater rotors; the bottom chain is stopped when rotation is < 300 rpm.

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SPECIAL EQUIPMENT

Special equipment	
Chassis	
E20010	Hitch coupling with 2 rubber shock absorbers, swivel ring Ø 50 mm
E20011	Hitch coupling with 2 rubber shock absorbers, coupling system D80
E20013	Drawbar with ball coupling system D80
E20020	Automatic air-pressure brake
E20310	Trailed steering axle BPW
E21003	Tires 650/50 R 22.5 Alliance 380
E21014	Tires 650/50 R 22.5 Alliance 380
E21004	Tires 650/50 R 22.5 Nokian Country King
E21015	Tires 650/50 R 22.5 Nokian Country King
E21005	Tires 650/55 R 26.5 Alliance 380
E21017	Tires 650/55 R 26.5 Alliance 380
E21006	Tires 710/50 R 26.5 Nokian Country King
E21018	Tires 710/50 R 26.5 Nokian Country King
E21007	Tires 710 / 50 R 26.5 Michelin CargoXBib HF
E21019	Tires 710/50 R 26.5 Michelin CargoXBib HF
E21008	Tires 750/45 R 26.5 Alliance 380
E21020	Tires 750/45 R 26.5 Alliance 380
E21010	Tires 800/45 R 26.5 Michelin CargoXBib
E21001	Tires 700/50 – 22.5 BKT 648
E21013	Tires 700/50 – 22.5 BKT 648
E21002	Tires 700/50 – 26.5 BKT 648
E21016	Tires 700/50 – 26.5 BKT 648
Body	
E22010	Slurry gate 1,300 mm with mechanical indicator of opening width at front wall
E22025	Bottom chain as cubic chain type 100 HV
E22031	Spreading cover, hydraulic, on left side
E22035	Spreading cover, hydraulic, on right side
E22040	Plastic ledge on top of side walls
E22050	Plastic sheet inside of rear hood
E22060	Duplex roller chain to drive the beater rotor
E22070	Working light LED, each
E24200	Warning light package: Position light red/white, sidelights yellow, warning beacon yellow
E24250	Double lighting system at the back
Operation	
E24010	Electrical operation of scraper floor with automatic monitoring of beaters
E24020	Electrical operation of scraper floor, slurry gate and rear hood, with automatic monitoring of beaters
E24040	Additional function for E24020: electrical operation of hydraulic spreading cover
E24100	Working hour meter for electrical operation
E24300	On-board hydraulic system for scraper floor, slurry gate and rear hood, with electrical operation
E24400	Automatic grease system for roller chains
E24410	Central lubricator nipple for 17/18 greasing points of body
E24500	Electrical lubrication system for all greasing points, (without rotating angle joints)
E24510	Electrical lubrication system for all greasing points, (without rotating angle joints)
E99902	Walterscheid PTO PWE 580

SPREADER

	LS 120 E	LS 120 T	DS 140	DS 160	DS 180
Chassis					
E20010	•	•	•	•	•
E20011	•	•	•	•	•
E20013	•	•	•	•	•
E20020		•	•	•	
E20310			•	•	•
E21003	•				
E21014		•	•	•	•
E21004	•				
E21015		•	•	•	•
E21005	•				
E21017					•
E21006	•				
E21018					•
E21007	•				
E21019					•
E21008	•				
E21020					•
E21010	•				
E21001	•				
E21013		•	•	•	•
E21002	•				
E21016					•
Body					
E22010	•	•	•	•	•
E22025				•	•
E22031	•	•	•	•	•
E22035	•	•	•	•	•
E22040	•	•	•	•	•
E22050	•	•	•	•	•
E22060	•	•	•	•	•
E22070	•	•	•	•	•
E24200	•	•	•	•	•
E24250	•	•	•	•	•
Operation					
E24010	•	•	•	•	•
E24020	•	•	•	•	•
E24040	•	•	•	•	•
E24100	•	•	•	•	•
E24300	•	•	•	•	•
E24400	•	•	•	•	•
E24410	•	•	•	•	•
E24500		•	•	•	•
E24510	•				
E99902	•	•	•	•	•

Your fastest hotline to a perfect service

Our spare parts service – so that your machine always runs like on the first day.

The excellent spare part service at TEBBE is a real safety factor for our customers. We keep all 'regular' parts directly on stock for you. These are, of course, original spare parts of components that were used to construct the machine. Replacement of these parts means that your machine is as good as new and up and running again very quickly; the same also applies for machines of older series.

We can also supply all spare parts that do not come from our own production facility, for instance tyres, in a very short time. We only employ experts in our spare parts team who have in-depth know-how about the machines and who are able to localise and identify required parts precisely and accurately – bundled competence and reliability.

The service hotline – for nonstop access to absolute performance.

In the event of a problem, TEBBE will not keep you waiting! We have set up a fault hotline for our customers to provide immediate telephone support – even if you are out on the fields. Our contact partners are experts in the mechanics and electronics of all machines. The majority of the inquiries can be solved on the phone. Also, there is a standby service at the weekends, meaning that we are available to you every day.

Contact

Albert Tebbe GmbH
Teichhausweg 1
49143 Bissendorf . Germany

T +49 5402 9922-0
F +49 5402 9922-21
E info@tebbe-landmaschinen.de
W www.tebbe-landmaschinen.de

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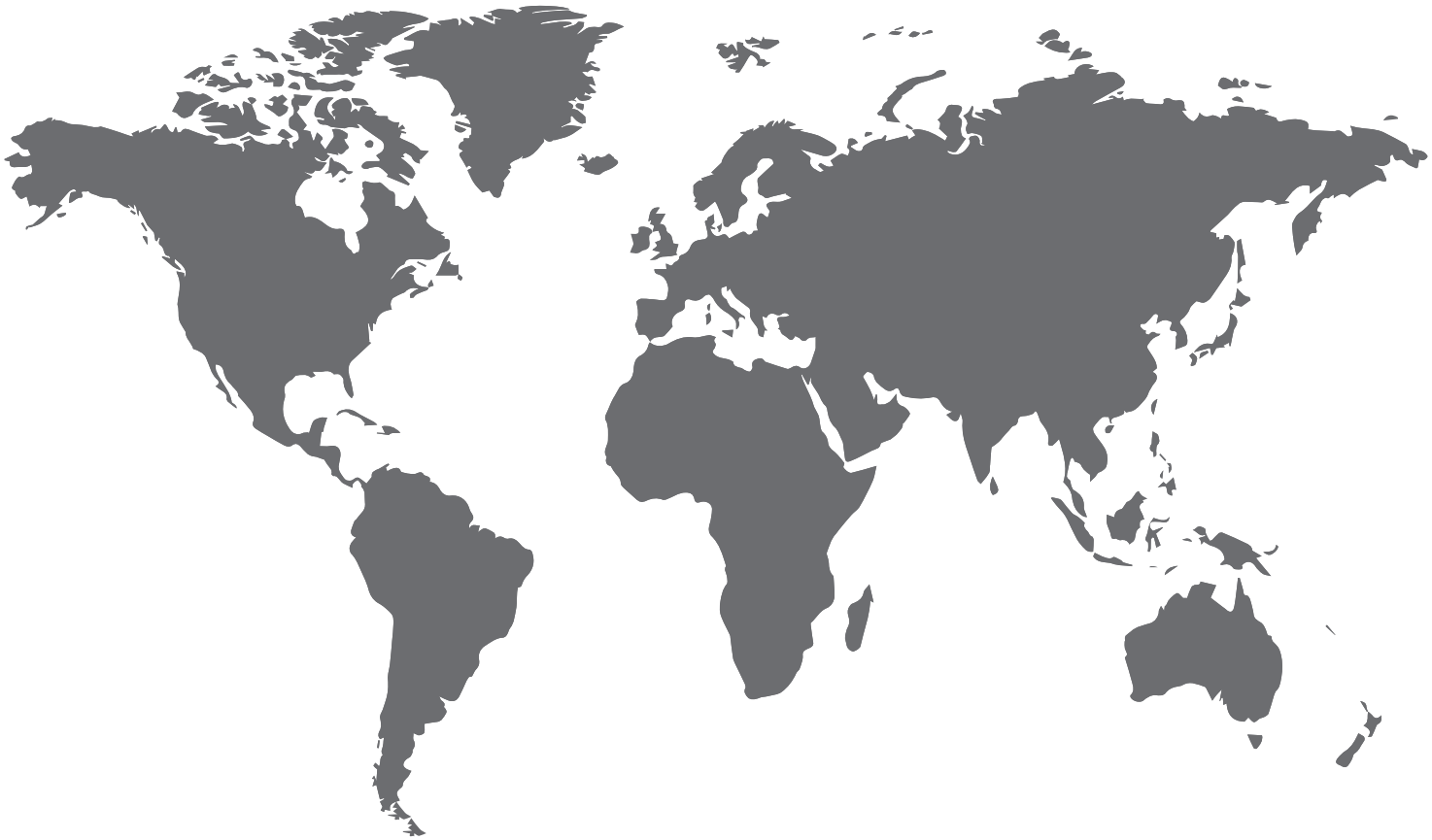

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Albert Tebbe GmbH . Teichhausweg 1 . 49143 Bissendorf . Germany . T +49 5402 9922-0
info@tebbe-landmaschinen.de . www.tebbe-landmaschinen.de