

TERRADISC

Compact disc harrows





Revitalising the soil

TERRADISC disc harrows

The TERRADISC compact disc harrow is designed specifically for stubble cultivation and seedbed preparation. The compact design and aggressive disc angle ensure reliable penetration and excellent mixing in of harvest residues.

The short construction is a key feature of PÖTTINGER compact disc harrows. With the TERRADISC, you have a choice of working depths between 3 and 12 cm. The offset configuration of the aggressively set discs mixes the harvest residues effectively into the soil. They deliver optimum processing of your soil.

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TERRADISC

Rigid-framed compact disc harrows



Adjustable headstock

TERRADISC 3001 / TERRADISC 3501 / TERRADISC 4001

Tractors with up to 190 hp have a huge range of hitch geometries. The range of mounting options offered by the headstock ensures excellent ground penetration and sufficient transport height.

Three lower linkage mounting heights with clevis-type mounting lugs. The headstock angle can be adjusted and with three top linkage positions optimum adaptation to any tractor is guaranteed.



Heavy duty frame

The compact frame is a trademark of the mounted TERRADISC harrow. Unique open frame design provides a perfect view of both disc gangs from the driver's seat.

- The first gang of discs is very close to the tractor for a very favourable centre of gravity.
- Compact, short design guarantees smooth and stable operation of the implement.



A uniform surface finish with the best mixing performance meets farmer's and contractor's expectations in the field. To achieve this, PÖTTINGER has optimised the geometry, size, mounting angle and penetration angle of the discs. The result: Low drag resistance, perfect ground penetration, best crumbling and mixing effect.

TWIN ARM – the heart of the machine

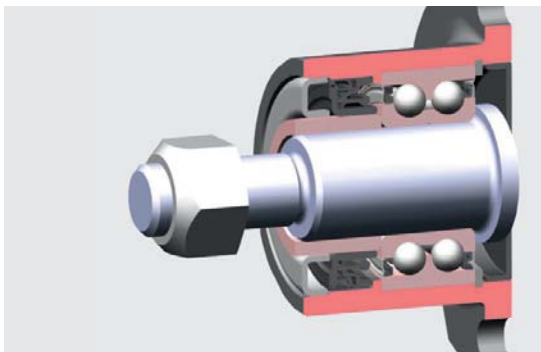
Two solid forged carrier arms are welded to a very wide clamping bracket. This ensures that the discs always retain their position and angle. Even in heavy soil it is impossible for them to deviate to the side – hard tyre tracks are broken up reliably.

The rugged scalloped discs made of special heat-treated steel have a diameter of 58 cm. Eight discs per metre of working width equate to a spacing of just 12.5 cm. The optimised interplay of ground penetration angle and mounting angle ensure perfect performance. The offset configuration of the aggressive discs mixes harvest residues effectively into the soil.



NON STOP stone protection

Proven over many years in the field, the maintenance-free NON STOP trip protection system features 40 mm thick rubber elements. The clamping brackets are mounted on a thick-walled square cross-section tube. Four rubber bars between each wide clamping bracket and the tube provide the discs with high penetration power.



Fast operating speeds and working depths down to 12 cm mean the disc bearings have to withstand considerable stress. That is why PÖTTINGER has implemented high-quality bearings for an extended service life.

The special twin-race angular contact bearings have been adopted from the construction machinery industry. Ruggedness and reliability are guaranteed as a result. Impacts are absorbed perfectly.

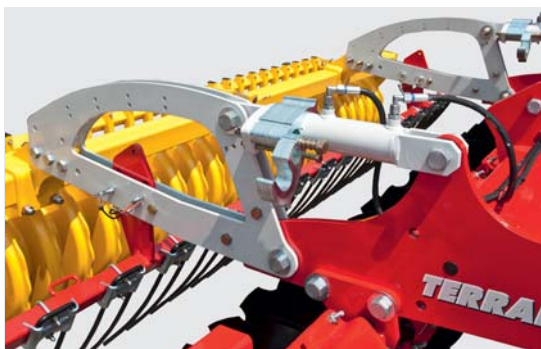
- The sealed, twin-race tapered bearings are completely maintenance-free.
- A labyrinth seal provides perfect protection for the bearing.
- A metal cover encapsulates the labyrinth seal for additional security.
- The bearings are fitted to the disc carrier arm by a stub axle.
- The nuts are protected by caps mounted on the same axle bolt.



Generous inter-disc clearance

The desired results are achieved by using high quality technology and deploying an effective sequence of tools.

- Plenty of space between discs and carrier arms.
- The carrier arms are angled facing the direction of rotation so that there is no risk of stones or harvest trash becoming lodged between the disc and arm.
- A large clearance between the disc and clamping bracket means large quantities of organic matter can easily pass through.



Convenient operation

The rear rollers assume the role of depth control for the disc harrow. Working depth is adjusted hydraulically quickly without risk to the operator. The weight of the roller is transferred to the disc harrow during operation. This ensures reliable penetration on dry and hard ground.

Convenient adjustment

Setting up for different soil conditions must be quick and straightforward. On the TERRADISC compact disc harrow that's conveniently solved with hydraulic depth adjustment.

- Folding 5 mm-thick spacer plates are used to fine-tune depth control.
- The trailed harrow tines are adjusted in unison with the roller suspension arms.
- No complicated manual intervention required – convenience that every tractor driver deserves.

Road Transport

The outer disc pairs are folded upwards hydraulically for transport on the road. The edging plate is simply pushed inwards for transport widths of 3.0 m, 3.50 m and 4.0 m.

- The TERRADISC 3501 can be transported on the road unaccompanied in situations where laws permit a width of 11.84' / 3.50 m.
- That adds up to 17 % higher output compared to a 9.84' / 3.0 m implement.



Adjustable outer discs

On the left and right the outermost concave discs are depth adjustable. This means you achieve perfect merging of passes.

Levelling harrow

The optional spring steel levelling tines deflect the flow of earth to the rear roller, crumbling and levelling the ejected mixture of trash and soil. The height of the levelling tines, which are 14 mm thick and feature tangential geometry, is adjusted when the position of the rear roller is changed.

- The basic height and angle settings are preset using a pin-in-hole matrix.
- The position of the tines changes in accordance with the working depth. The deeper the setting the easier the flow of material to the rear.



Edging plates as standard

For a uniform surface finish, adjustable edging plates are provided on both sides as standard equipment.



TERRADISC MULTILINE

Extend the range of applications on the
TERRADISC 3001 and TERRADISC 4001



PÖTTINGER's MULTILINE concept creates a true all-rounder for arable professionals. By combining a trailed TERRADISC with an implement-mounted VITASEM seed drill, you gain maximum flexibility and cost effectiveness.

Combining a TERRADISC compact disc harrow with a VITASEM seed drill provides the basis for high-performance and cost-effective mulch drilling technology. The VITASEM implement-mounted drill can also be used in combination with a LION power harrow, FOX compact combination, or a SYNKRO stubble cultivator. Moreover, the TERRADISC can also be used on its own for soil cultivation.



Working cost-effectively

Moreover, the TERRADISC can also be used on its own for soil cultivation. This allows high output to be achieved with smaller tractors.



Flexible all-rounder

The VITASEM seed drill can be mounted on the rubber-packer roller quickly and easily. You can therefore use the TERRADISC MULTILINE at any time on their own for stubble cultivation or seedbed preparation.



Trailed tillage implements

The TERRADISC MULTILINE is a trailed implement. As a result, less weight acts on the rear axle of the tractor, enabling high output to be achieved even with smaller tractors. At headlands and during transport, the unit is lifted on the rubber packer roller. This ensures smooth running, high ground clearance, and a low soil compaction at headlands.



MULTILINE hitch connection

- Drawbar connects to Cat. II lower linkages.
- Lifted on rubber-packer roller.
- 280 mm ground clearance.
- The MULTILINE combination is raised and lowered using a double-acting connection.
- Two check valves on the drawbar ensure safe road transport.

Rubber packer roller

At the headland and during transport, the TERRADISC MULTILINE is lifted by the rubber-packer roller so the weight is distributed over the whole working width.

The roller ensures excellent stability on the road.





Straightforward and compact

VITASEM A or VITASEM ADD seed drills are installed as standard above the packer roller. This allows the seed drill to be fitted or removed easily - depending on whether the TERRADISC is to be used on its own or not. As a result, the MULTILINE combination is a real multi-talent with a wide range of applications.

From stubble cultivation to mulch drilling

- Drive under the seed drill and lift the support arms.
- Insert retention pins to secure seed drill.
- Connect top link between drawbar and seed drill.
- Plug in cable for lighting and metering drive.
- Remove parking struts from seed drill.

Within just a few minutes, the trailed disc harrow becomes an efficient, fully-functional mulch seed drill. The MULTILINE concept offers arable farmers a wide range of combination possibilities, meeting the demands of the market.

When you purchase a TERRADISC 3001 or TERRADISC 4001 MULTILINE, all combination options remain open so the configuration can be changed later if needed. An existing 102 series VITASEM implement-mounted seed drill can easily be integrated into the MULTILINE concept.





TERRADISC K TERRADISC T

Folding compact disc harrows



The large folding disc harrows have been developed for high output stubble cultivation and general seedbed preparation.

**TERRADISC 4001 K / TERRADISC 5001 K / TERRADISC 6001 K
Mounted, foldable compact disc harrows**

TERRADISC mounted disc harrows feature a compact frame.

Three lower linkage heights with Cat. 2/2 and Cat. 3/3 clevis-type mounting lugs are standard.

The three top linkage positions give optimum adjustment to fit all tractors.



Convenient operation

Working depth is quickly pre-set hydraulically without risk to the operator. Depth adjustment of the rear roller and levelling tines is fine-tuned using swing clips on the hydraulic cylinders.

Access to the swing clips is easy and safe on both sides. The weight of the rear rollers is transferred to the disc harrow for reliable soil penetration.

Road Transport

Hydraulic folding enables convenient and trouble-free road transport at a width of 2.80 m. The disc harrows are folded in two halves to achieve a low transport height.

The automatic transport interlocks are operated by hydraulically actuated lock pins.

TERRADISC T



The transport chassis ensures that the weight acting on the hitch and rear axle of the tractor is minimised.

TERRADISC 4001 T / TERRADISC 5001 T / TERRADISC 6001 T **Trailed, foldable compact disc harrows**

Practical drawbar

The drawbar is connected to the lower linkage and top linkage lugs. Optimum ground clearance at headlands and during transport can be adjusted precisely to each tractor using the hole matrix for the top linkage strut. A drawbar and transport chassis can also be retro-fitted to TERRADISC K models for even more flexibility.

- The yoke is hooked up to the lower linkages using clevis-type mountings.
- A telescopic drawbar is also available. This enables a steering angle of 95° up to a tractor outside width of 4.20 m.
- A towing eye hitch is also offered as an option.





Rugged transport chassis

The wheel chassis is mounted on the main frame and linked to the headstock. The wide chassis with 500/45-17 tyres travels smoothly on the road.

- Air brakes or hydraulic brakes are offered as additional equipment options.
- These systems enhance safety at maximum permissible speeds and together with the parking brake comply with all road safety legislation.

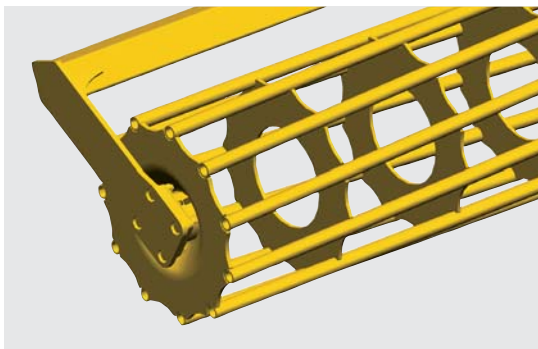
During operation the wheel chassis is pivoted far forwards in front of the rear roller. The trailed models also feature hydraulic stabiliser struts for smooth operation in the field. The additional load acting on the disc harrow ensures reliable penetration in all soil conditions.

- The choice of rear rollers includes a cage roller, double cage roller, knife packer roller and rubber packer roller.
- At the headland the TERRADISC T is supported by the rear roller and its weight distributed across the whole working width.
- The trailed TERRADISC is therefore very light on its feet at headlands.



Rear rollers

For perfect results



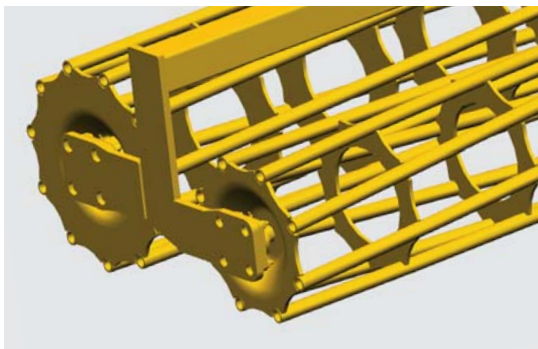
It's your choice. PÖTTINGER offers a wide range of rear rollers for perfect results with the desired tilth in any type of soil. The whole range of rollers features precision manufacturing and robust design engineering.

Cage roller

The ideal roller for dealing with dry, non-sticky soils. The roller is fitted with strong rods for optimal compression.

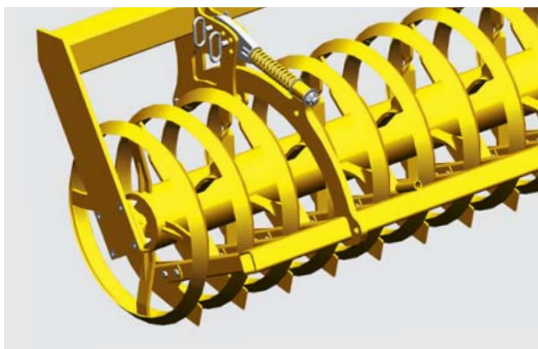
Diameter 540 mm, 11 bars;

Diameter 660 mm, 12 bars.



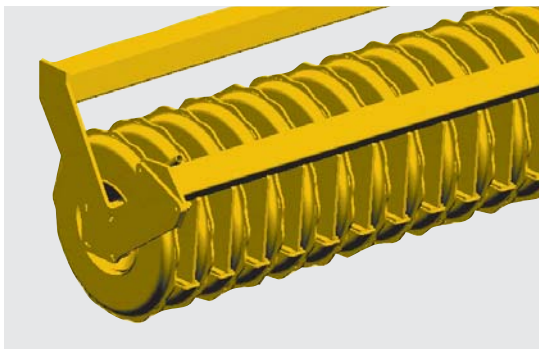
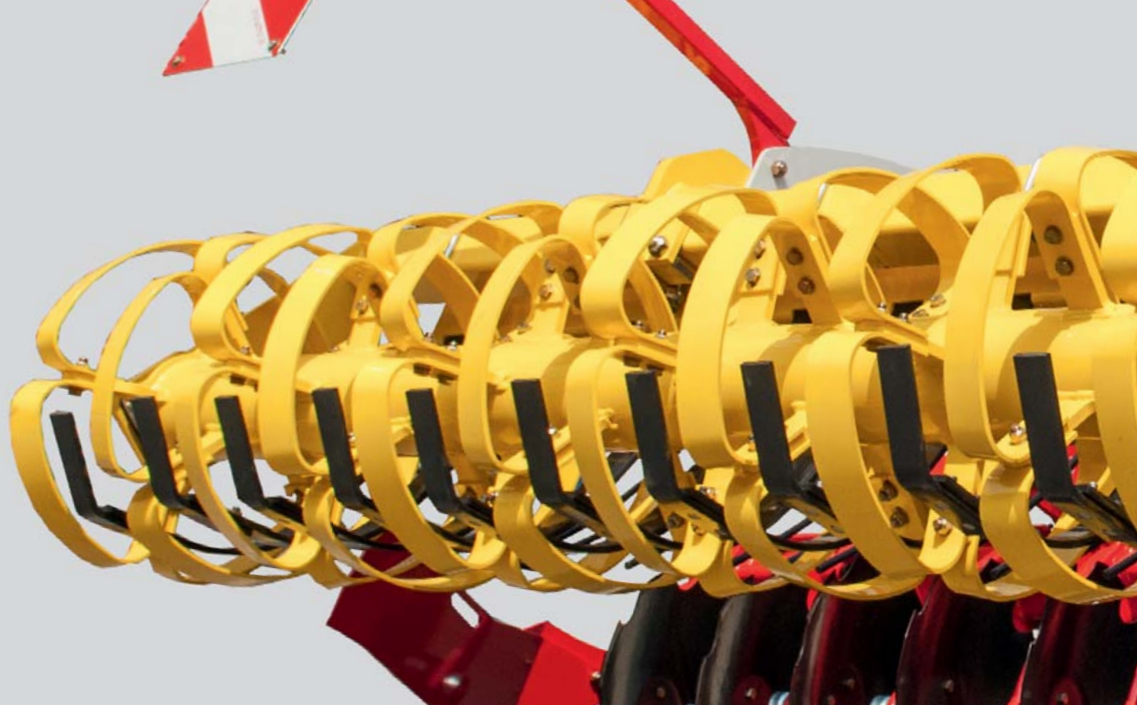
Double cage roller

The double cage roller is fitted with two different diameter rollers (540 mm front and 420 mm rear). The pendular function ensures optimum ground tracking and perfect tilth.



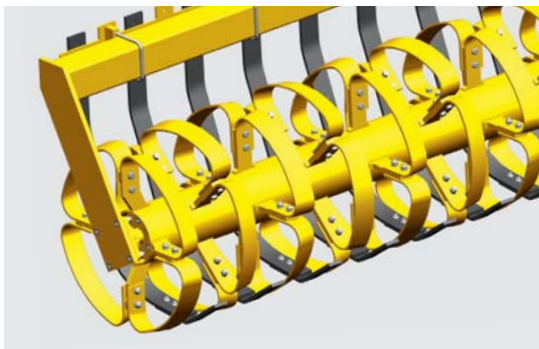
Cutting ring roller

The advantages of the cutting ring roller with a diameter of 540 mm include enhanced crumbling and re-consolidating by means of wedge-shaped rings. The knives between the rings break up clods and keep the rings clean. Compression in strips has the advantage that water can be absorbed better. The right choice if you are working on dry and heavy soil.



Knife-packer roller

The packer rings, which are closed on the sides, have a diameter of 550 mm. There are eight rings per metre of working width. The roller leaves behind compression in stripes, promoting water absorption and soil respiration. The ideal roller on stony, damp ground with large quantities of organic matter. The scrapers are armoured.

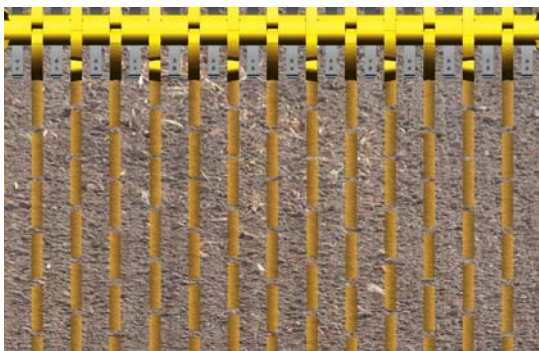


Conical ring roller

This roller consists of rings with a diameter of 540 mm. Each ring is made up of four conical segments that are offset to the left and right. The result is a slot with alternate indentations on either side. When rainwater seeps into these indentations, they prevent it from flowing away.

The gap between each ring is 15 cm. Spring-mounted scrapers are located in between. These promote the formation of a fine tilth while keeping the space between the rings clean. The load-bearing capacity of the conical ring roller is limited on very light soil.

This is an ideal roller for medium to heavy soils. You can also use it in harvest residues no problem.





Rotopack roller

Rotopack rollers mix particularly intensively – for light to heavy, non-sticky soils. Harvest residues remain on the surface of the soil and protect your soil against drying out (only up to 3.0 m working width).

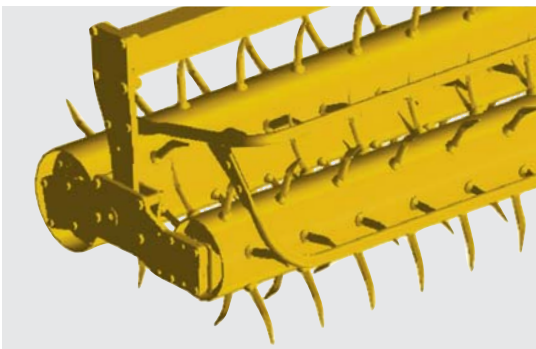
Rubber packer roller

The perfect roller for widely varied soil conditions. Especially for use with trailed implements where the load-bearing capacity of other rollers is near the limit. A diameter of 590 mm and the special profiling allows the soil to be compacted in rows. The scrapers are armoured.

MULTILINE rubber packer roller

At headlands and during transport, the stubble cultivator is lifted on the rubber packer roller. The diameter of 585 mm ensures excellent stability and a smooth ride on the road. The seed drill can easily be removed and refitted if the stubble cultivator needs to be used on its own.

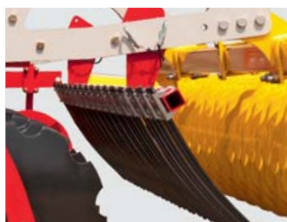
- Less compaction at headlands.
- Resistant to wear, even on the road.
- Formation and re-consolidation of the seed slot with a row spacing of 12.5 mm.



Technical data / Equipment options

TERRADISC	3001	3001 MULTILINE	3501	4001
Attaching	Cat. 2 / 2	Cat. 2 / 2	Cat. 2 / 2	Cat. 3 / 3
Working width	3.0 m	3.0 m	3.50 m	4.0 m
Transport width	3.0 m	3.0 m	3.50 m	4.0 m
Discs	24	24	28	32
Disc diameter	58 cm			
Disc spacing	12.5 cm			
Disc bearings	maintenance-free			
Gang spacing	90 cm			
Frame height	75 cm			
Power requirement from	70 kW / 95 hp	70 kW / 95 hp	85 kW / 115 hp	100 kW / 135 hp
Basic weight	1475 kg	2745 kg	1650 kg	1850 kg
Basic weight with levelling harrow	1560 kg	2830 kg	1748 kg	1970 kg

TERRADISC levelling harrow and rear roller	3001	3001 MULTILINE	3501	4001
Bar cage roller 540 mm	1885 kg	–	–	2450 kg
Bar cage roller 660 mm	1985 kg	–	–	3060 kg
Double cage roller	2080 kg	–	–	2730 kg
Cutting ring roller	1980 kg	–	2218 kg	2580 kg
Pack ring roller	2155 kg	–	2458 kg	2790 kg
Conical ring roller	1990 kg	–	2258 kg	2590 kg
Rubber packer roller	2120 kg	2830 kg	–	–
ROTOPACK	1960 kg	–	–	–



	Levelling harrow	Rear harrow	Telescopic drawbar	Pneumatic brake Hydraulic brake
TERRADISC	<input type="checkbox"/>	<input type="checkbox"/>	–	–
TERRADISC K	<input type="checkbox"/>	<input type="checkbox"/>	–	–
TERRADISC T	<input type="checkbox"/>	–	<input type="checkbox"/>	■

■ = Standard, □ = Option

all data not binding, equipment may vary from country to country

4001 MULTILINE	4001 K	4001 T	5001 K	5001 T	6001 K	6001 T
Cat. 2 / 2	Cat. 2 / 2	Cat. 3 / 2 / 3	Cat. 3 / 2 / 3	Cat. 3 / 2 / 3	Cat. 3 / 2 / 3	Cat. 3 / 2 / 3
4.0 m	4.0 m	4.0 m	5.0 m	5.0 m	6.0 m	6.0 m
4.0 m	2.80 m	2.80 m	2.80 m	2.80 m	2.80 m	2.80 m
32	32	32	40	40	48	48
			58 cm			
			12.5			
			maintenance-free			
			90 cm			
			75 cm			
100 kW / 135 hp	100 kW / 135 hp	100 kW / 135 hp	125 kW / 170 hp	114 kW / 155 PS	140 kW / 190 hp	132 kW / 180 hp
3435 kg	2410 kg	3620 kg	2940 kg	4140 kg	3300 kg	4540 kg
3555 kg	2530 kg	3740 kg	3100 kg	4300 kg	3470 kg	4710 kg

4001 MULTILINE	4001 K	4001 T	5001 K	5001 T	6001 K	6001 T
–	3010 kg	4350 kg	3719 kg	–	4150 kg	–
–	3140 kg	4500 kg	3866 kg	5066 kg	4320 kg	5560 kg
–	3290 kg	–	3980 kg	5180 kg	4510 kg	5750 kg
–	3140 kg	–	3820 kg	–	4310 kg	–
–	3350 kg	4560 kg	4110 kg	5310 kg	4660 kg	5900 kg
–	3150 kg	–	4100 kg	–	4330 kg	–
3555 kg	–	–	–	5300 kg	4590 kg	5830 kg
–	–	–	–	–	–	–



Pneumatic brake
Hydraulic brake

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More equipment options

Telescopic drawbar with Cat. 4 lower linkages

Telescopic drawbar with Cat. 3 US coupling telescopic drawbar with towing eye hitch

Hydraulic cylinder for hinged drawbar (recommended when using towing eye hitch).

MULTILINE 3.0 m and 4.0 m equipment



We are where you are.

We offer our customers the best developed network of sales and service partners worldwide. Being local means that we can quickly supply our customers with spare parts and that our skilled personnel can optimally deliver and install the machinery.

Our services include:

- Original inside parts 24-hour ordering service online.
- Long-term availability of spare parts.
- Expertise through regular training for professional personnel.
- and much more...

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