



Fortis LT

FLEXIBLE, PRECISE, AND UNIVERSAL





Fortis LT

STRONG FRAME AND OPTIMAL TINE DISTRIBUTION
FOR TRACTORS UP TO 500 HP

- 4-bar design with a tine spacing of 27 cm combines low horsepower requirement and intensive mixing
- Robust design for the hardest operating conditions and durability

- Wide selection of packer options for intensive consolidation
- Maintenance-free TerraGrip tine system with 550 kg release force and utmost service life



The Fortis LT is a heavy universal cultivator that has been completely redesigned. The objective was to build a cultivator that, on one hand, accounts for the increased tractor power of recent years, and on the other hand, addresses the new requirements for clearance, organic material in the field, and mixing quality.

To meet these requirements, the Fortis LT was equipped with a 4-bar design which ensures enormous clearance with a tine spacing of 27 cm and a frame height of 850 mm even with a maximum working depth of 30 cm. Due to the tine spacing of 27 cm, the mixing quality is increased and the soil is broken evenly. The well-known TerraGrip tine system ensures a low horsepower requirement in the field due to its large radii at the tine shank. The design of the 4-bar frame of the Fortis is striking. In this respect, the developers have come up with something special. The last bar was moved closer to the levelling system to get as close as possible to the levelling discs while still providing enough clearance for the transport wheels. This ideally directs the flow of soil into the levelling discs achieving a perfect levelling. The transport wheels can be moved far out of the working range and thus does not obstruct the soil flow of the tines in the machine. This contributes to an enormous clearance with perfect levelling quality.

Depending on the operating conditions, the HORSCH Fortis LT can, of course, be adapted individually to customer requirements and operating conditions. As an option, the machine is equipped with an integrated weight transfer system to increase traction that transfers up to 1.2 t of vertical load to the rear axle of the tractor. A part of the machine's subframe is used to transfer the weight via the top cylinder to the drawbar. If required, the weight transfer system to increase traction can, of course, be turned off. The well-known MulchMix point system with its wide selection point options and wings also contributes to flexibility. Finally, the packer: you can choose from a wide range of packer options. Depending on customer requirements, the angle of the double packers can be adjusted by means of the well-known aluminum clips. The angle adjustment allows for a precise adaptation of the contact pressure of the packer rollers. This leads to better consolidation on dry soils and increases the load-bearing capacity of the packer in wet conditions.



Wide selection of packer options



Single or double packer depending on requirements

TerraGrip III

Points and wings



TerraGrip III – release effect

The TerraGrip tine system impresses due to its flexibility with regard to the various point and wing options. The low horsepower requirement and the excellent mixing behaviour are due to the curved shape and the low angle of the point.

- Release force from 500 to 550 kg (depending on the model)
- Flexible mounting of point and wing options
- Low horsepower requirement due to curved tine design
- Optimum residue mixing even at shallow working depths



Due to the wide range of point and wing options, the cultivator can be used for almost all cultivation depths from shallow cutting at 3 to 4 cm to primary soil cultivation. This increases the application range enormously.



Well-known TerraGrip coulter system

TerraCut wing

- Wings on the left and right side for all TerraGrip tines
- Cutting width: 40 cm
- Low setting angle
- Excellent penetration behaviour due to angle of the point

MulchMix point wing shallow/deep

- Wings on the left and right side for all TerraGrip tines
- 34.5 cm wide wings
- Two setting angles depending on the working depth
- Available as standard and carbide version

MulchMix without wing

- Deep loosening and intensive mixing of the soil
- Working depths: 15 to 30 cm
- Various carbide versions

LD points

- LD = Low Disturbance point
- 40 mm point width for deep loosening without moving much soil
- Working depth 20 to 30 cm

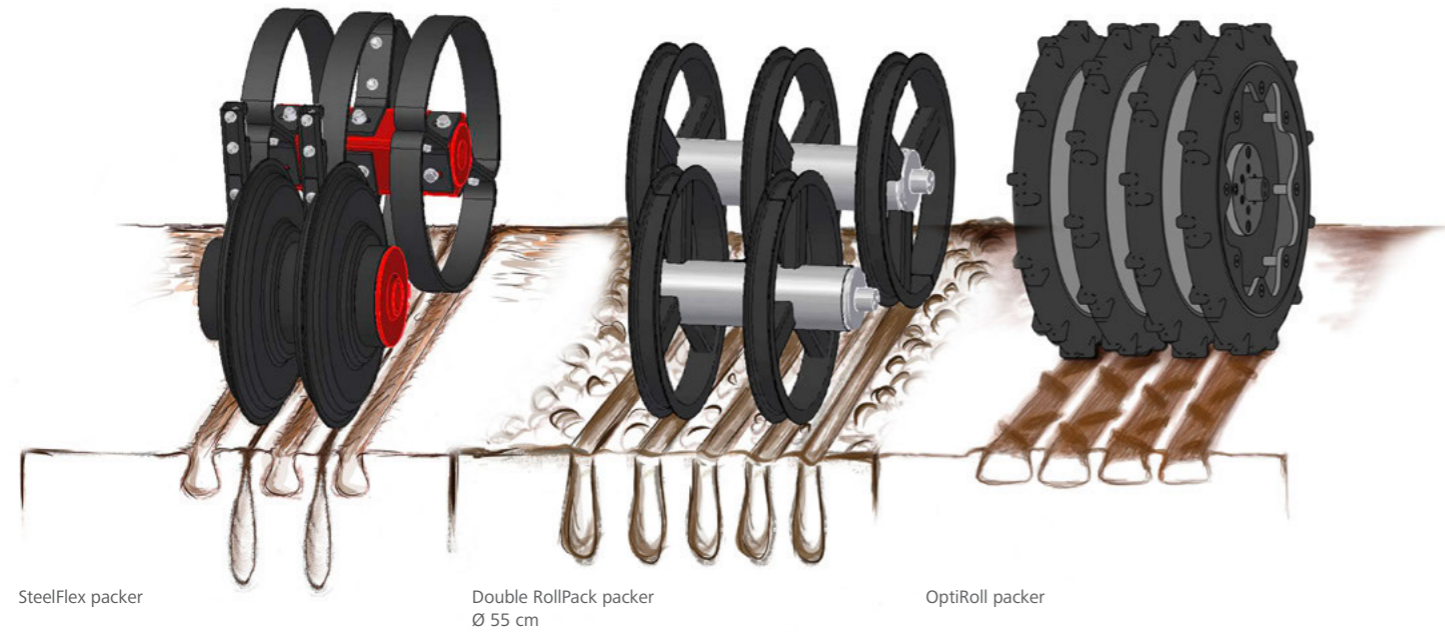
ULD points

- ULD = Ultra Low Disturbance point
- Point width: 25 mm, very little soil movement
- Leading point to get below compaction zones

PACKER SYSTEMS

VERSATILE FOR OPTIMUM RESULTS

The depth effects and the main applications of the different HORSCH packer versions.



SteelFlex packer

Double RollPack packer
Ø 55 cm

OptiRoll packer

SteelFlex packer

- SteelDisc packer 58 cm Ø for deep consolidation
- RingFlex packer 60 cm Ø for fine soil production on the surface
- Weight per m working width: 442 kg

Double RollPack packer

- Steel ring rollers with a diameter of 55 cm
- Deep strip consolidation
- Can be used in all situations
- Weight per meter working width: 130 kg

OptiRoll packer

- Excellent rolling characteristics
- OptiRoll packer Ø 73 cm
- Weight per m working width: 376 kg

- Central element to determine the working quality
- Depth control
- Different consolidation depending on the requirements
- Perfect working quality in wet and dry conditions

- Appropriate germination bed for volunteer crops and weeds
- Rough, loose soil structure for medium and heavy soils
- Final finishing of the seed horizon

Weight transfer system to increase traction

With the fully integrated weight transfer system to increase traction of the Fortis LT, the driver can activate the weight transfer system from the cabin if required. To do so, the lift/lower valve only has to be switched to floating position.

- Automatically transfers load from the cultivator to the rear axle of the tractor if required
- Up to 1.2 t in addition
- Fully integrated and straightforward



Integrated load transfer to the rear axle of the tractor without any additional coupling points

Packer angle adjustment

With the optional packer angle adjustment, the farmer can respond to changing conditions quickly and easily. By repositioning the well-known aluminum clips, the weight distribution in the packer can be adjusted easily.

- Optimal consolidation in dry conditions
- Optimal load-bearing capacity in wet conditions
- Quick and easy adjustment via the well-known aluminum clips



Packer angle adjustment for all double packers to quickly react to changing conditions

TECHNICAL DATA

Fortis LT	4.4 LT	5.4 LT	6.4 LT	7.4 LT
Working width (m)	4,60	5,60	6,20	6,70
Transport width (m)	2,99	2,99	2,99	2,99
Transport height (m)	2,93	3,56	3,77	3,98
Length (m)	8,50 - 9,50	8,50 - 9,50	8,50 - 9,50	8,50 - 9,50
Axle load (kg)	5200 - 6500	6800 - 7500	7500 - 8250	7800 - 8500
Vertical load (kg)	620 - 1000	620 - 1000	620 - 1000	620 - 1000
Tyre size support wheels	400/60-15.5	400/60-15.5	400/60-15.5	400/60-15.5
Tyre size transport wheels	550/45-22.5	550/45-22.5	550/45-22.5	550/45-22.5
Number of tines	17	21	23	25
Tine spacing in one row (cm)	108	108	108	108
Tine spacing (cm)	27	27	27	27
Frame height (mm)	850	850	850	850
DA control devices	2 (+ 1 with hydraulic depth adjustment)	2 (+ 1 with hydraulic depth adjustment)	2 (+ 1 with hydraulic depth adjustment)	2 (+ 1 with hydraulic depth adjustment)
Horsepower requirement (kW/hp)	185/250 - 220/300	202/275 - 290/394	221/300 - 312/425	250/340 - 331/450
Implement attachment lower link	Cat. III - III / III - IV / IV - IV	Cat. III - III / III - IV / IV - IV	Cat. III - III / III - IV / IV - IV	Cat. III - III / III - IV / IV - IV
Implement attachment adjustable drawbar	Towing eye Ø 42 - 51 mm	Towing eye Ø 42 - 51 mm	Towing eye Ø 42 - 51 mm	Towing eye Ø 42 - 51 mm
Implement attachment ball head	K 80	K 80	K 80	K 80
OptiRoll packer Ø (cm)	73	73	73	73
SteelFlex packer Ø (cm)	58 / 60	58 / 60	58 / 60	58 / 60
Double RollPack packer Ø (cm)	55	55	55	55
Double RingFlex packer Ø (cm)	60	60	60	60





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All specifications and diagrams are approximate and not binding. Technical features and design are subject to change.

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