

# TULLIP

*Arable Machinery*





Dear Sir / Madam,

Here's the new Tulip Arable Machinery catalogue in which Peeters Agricultural Machinery presents its complete range of agricultural machinery. Tulip is the brand name for Roterra power harrows, Multidisc disc harrows, Polymat seed drills and Centerliner fertilizer spreaders, among other things.

You'll find over 125 unique machines with lots of options in this catalogue. New machines in this Tulip catalogue are the Multidisc ViniVario-S and the Vario Seeder. The ViniVario-S disc harrow has been specially developed for use in vineyards. The Tulip Vario Seeder is a precise pneumatic seed drill machine that's easy to use. The Vario Seeder can be fitted on a Roterra, Multidisc, Multivator or Multiterra machine. Two machines have been added to the Multivator cultivators range, a 250 machine with 2 rows of tines and a 250 machine with 3 rows of tines.

Our Multidisc disc harrows now all come with maintenance-free bearings fitted as standard. These are perfectly sealed bearings so lubrication is no longer required. The DD roller has been added to our range of rollers. This 'Double Disc' roller ensures better crumbling and so also a better end result.

In addition to this Tulip Arable Machinery catalogue, which is available online at [www.tulipindustries.com](http://www.tulipindustries.com), the new Peecon Feed Technics, Peecon Manure & Transport Technics and Pitbull Compact Loaders catalogues are also available online at [www.peecon.com](http://www.peecon.com) and [www.pitbull-loader.com](http://www.pitbull-loader.com). You can request extra copies free of charge via [info@peetersgroup.com](mailto:info@peetersgroup.com) if you wish.



Made in Holland

koninklijke  
**metaalunie**

For terms and conditions, please see our website: [www.tulipindustries.com](http://www.tulipindustries.com). All prices exclude VAT and delivery. This price list replaces all previous price lists. Subject to changes and printing errors.



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Piet Peeters, founder of "tractorhandel De Bloken" together with his wife Irene

# Past, Present and Beyond Innovation Never Rests

Purchase of a Koike laser cutting machine 6000 Watts, the biggest in Europe



Launching Tulip Multidisc disc harrow



Founding Tulip Agri in Qingdao for the production and sales of the feed mixers in China under the leadership of the brother Roland Peeters



Presentation of the electrically driven Biga Volt and Biga Hybrid feed mixers and the Multilift system



Peecon/Tulip EASYtronic controlling and monitoring system



Development Tulip modular system



Peecon Gull Wing Tyre system rewarded with silver medal on Agritechnica



Introduction of the Peecon Biga Lowliner Future



Introduction of the Peecon Biga Rapide Future

Peeters Agricultural Machinery launches its new product line, the Pitbull compact loaders, at the Intermat in Paris



Building of a new production facility in Achtmaal

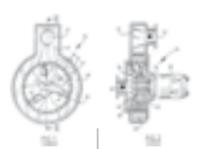


Production of the first slurry tank

"Tractorhandel De Bloken" becomes "Peeters Landbouwmachines"



Production of the first (patented) manure chopper



Production of the first Biga feed mixer with loading scoop



First Biga feed mixer exported to the USA

1973

1974

1981

1982

1987

1989

1990

1991

1996

1997

1998

2000

2001

2004

2009

2010

2011

2013

2014

2015

2016

2017

2018

2020



First workroom

The brand Peecon (PEeters CONstruction) is created



Peecon produces the first agricultural machine: the root crop lifter



Expanding the production facility in Achtmaal

A son of Piet, Dannie Peeters, takes over "Peeters Landbouwmachines" with the full cooperation of Monique, his wife. She is employed by the company since 1987



Production of the first Cargo tipping trailer



Acquisition of the Lely agricultural line, which will distributed worldwide under the brand name Tulip



Purchasing Benelux largest pipe cutting laser machine for further automation of the production process



Launch of Biga Pacman Gen2, self-propelled feed mixer with unique loading system



World's largest feed mixer, 64m3 with 4 augers



Presentation of the Peecon Biga future



Introduction Peecon Powerboost



Peecon launches Butler XL feed pusher

8500

Besides the trading of used agricultural machines, "Tractorhandel De Bloken" obtains the dealership of Landini and Mengele



The affinity with producing agricultural machines started early. Son Dannie built his first scale 1:3 a slurry tank TT 13000 at the age of sixteen



Production of the first slurry injector

New production facility in Etten-Leur in use



The new factory in Etten-Leur for the production of the Tulip agricultural line is put into service



40 Biga Anniversaries on the occasion of the 40th anniversary of the company



Development Peecon XYZ 24/7 full automatic feed discharge system.



The new factory for the production of the Pitbull and Biga Topliner at the Patagonweg in Etten-Leur is put into operation

# Power harrows

The Roterra power harrow is the ideal machine for fine soil preparation. Whether it concerns soil preparation after ploughing, surface work immediately after harvesting, or preparing a deeper seedbed, there's always a suitable Roterra for the job.

The patented drop tines use less power resulting in substantial fuel savings, because the tines never have a flat side in the direction of travel. The drop tines are also designed to be in a dragging position, to prevent them going too deep into layers of soil and stones.

The wide range of gears available ensures an optimal rotor speed can be set for every type of soil.



# Roterra 25

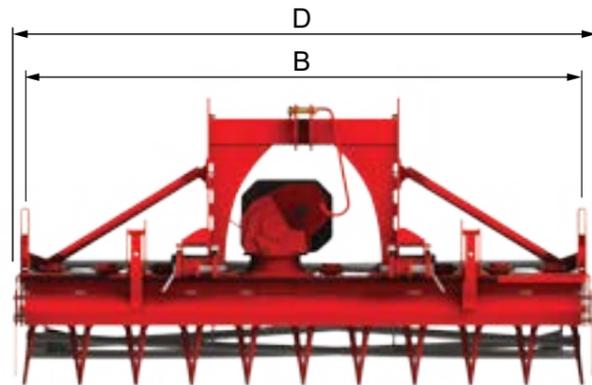
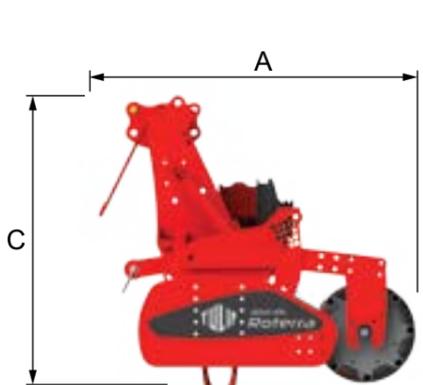
The **Roterra 25 series** is suitable for tractors from 45 to 140 HP. The patented drop tines ensure natural crumbling and substantial fuel savings. Thanks to the double bearings in the gear trough, the machine is extremely stable. A range of options allow the harrow to be adjusted to any circumstances.



The **Roterra 25 series** is ultimately suitable to work the soil after ploughing or to perform superficial work immediately after harvesting. It is the ideal machine for cattle and crop farmers who want to deliver high-quality work at low costs.



<b>Roterra 25</b>		<b>252-25</b>	<b>302-25</b>
Working width	m	2,5	3
Length (A)	mm	1365	1365
Width chassis (B)	mm	2500	3000
Height (C)	mm	1250	1250
Width total (D)	mm	2660	3160
Number of rotors		10	12
Crumbler roller	ø mm	440	440
Min. power	hp	45	50
Max. power 540 rpm	hp	95	115
Max. power 1000 rpm	hp	115	140
Weight with CR/PR	kg	880/975	920/1125





700-930-008-...



700-930-017-001



700-930-009-...



700-930-013-...



700-930-005-...



700-930-028-001

Article number	Tines for Roterra
1.1699.0127.0	Drop tine left Roterra 25 series (230 mm)
1.1699.0128.0	Drop tine right Roterra 25 series (230 mm)

Tines hardened in 5 zones for extra toughness and extended lifespan. In the top region the tines are very tough while, with a transition from the middle, the tines get harder and more wear-resistant. This makes the Tulip drop tine extra durable and at the same time tough enough to handle the most extreme conditions.



Gear box Roterra

Article number	Gear set	Rotor speed 540 rpm	Rotor speed 1000 rpm
<b>Roterra 252/302-25</b>			
1.1699.0562.8	17-18/18-17	264/296	487/--
1.1699.0568.8	16-19/19-16	236/333	437/--
1.1699.0560.8	15-20/20-15	210/373	389/--
1.1699.0566.8	14-21/21-14	187/420	346/--
1.1699.0570.8	13-22/22-13	---/474	306/--
1.1699.0564.8	12-23/23-12	---/537	270/--

## Standard specification

- Drop tines (max. working depth 230 mm) with side-fixation for quick exchange with the help of an air key
- Three point headstock with square support beams (70x70 mm)
- Floating suspension of rotor guard
- Rigid torsion-free gear trough with a flanged lid for a long life
- Gearbox (central drive) suitable for 540 (standard) or 1000 rpm
- Set of gears 19/16 at 540 rpm
- Floating system with crumbler roller Ø 440 mm
- Foldable soil deflectors, adjustable both horizontally and vertically
- Walterscheid PTO shaft with cam-type cut-out clutch (1 3/8" - 6 splines at tractor side)

## Special benefits

- Patented drop tines: due to the shape, side-fixation, material and production technique, the tines guarantee high quality and long life. These drop tines are fitted by a single allen headed socket bolt and an unique captivated self locking nut. Because the bolt is accessible from the side, the tines can quickly and easily be changed thanks to the Easylock system by means of a power tool or socket. Fuel saving up to 20% in comparison with knife tines.
- Heavy duty rigid torsion-free gear trough with flanged lid, large diameter shafts and bearings as well as a large spacing between the top and bottom bearings.
- Gear trough completely sealed to ensure no contamination of the drive gear lubrication. Incorporating self lubricating, double sealed, heavy duty bearings.
- Patented spring-loaded rotor guard: stones and other objects are pushed down and can pass through the rotating tines.
- Foldable floating soil deflectors: working width = transport width.
- Floating system: if necessary, the Roterra power harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- Rigid portal headstock: centre of gravity is positioned closely to the tractor, makes working with a less powerful tractor possible.
- Rotor speed: quickly and easily changeable gears.
- Compact engineered: headstock and support frame suitable to mount secondary equipment like seed drills or planters, offers seeding or planting in one pass.

## Points of attention

- Shearpin automat Tulipmatic is recommended in soil with stones.
- The mentioned powers are measured on the PTO-shaft.

Article number	Description
700-250-004	Roterra 252-25
700-300-004	Roterra 302-25
<b>Accessories</b>	
700-930-036-001	Set of gears 12/23 instead of standard combination 19/16
700-930-036-002	Set of gears 13/22 instead of standard combination 19/16
700-930-036-003	Set of gears 14/21 instead of standard combination 19/16
700-930-036-004	Set of gears 15/20 instead of standard combination 19/16
700-930-036-005	Set of gears 17/18 instead of standard combination 19/16
700-930-013-005	Shearpin automat Tulipmatic instead of cam-type cut-out clutch 540 rpm
700-930-013-007	Shearpin automat Tulipmatic instead of cam-type cut-out clutch 1000 rpm
700-930-029-001	Mechanical linkage parts (max. 1200 kg)
700-930-017-001	Hydraulic linkage 2 cylinders (max. 1700 kg)
700-930-005-001	Track eradicators 2x 2 tines 252-25
700-930-005-002	Track eradicators 2x 2 tines 302-25
700-930-009-001	Levelling board 252-25
700-930-009-002	Levelling board 302-25
700-930-028-001	Spindle kit for levelling board
700-930-044-005	Deduction non-delivery crumbler roller Ø 440 mm 252-25, bearing plates and bearings
700-930-044-001	Deduction non-delivery crumbler roller Ø 440 mm 302-25, bearing plates and bearings
700-930-030-002	Extra rods for crumbler roller Ø 440 mm 252-25 + bolts
700-930-030-004	Extra rods for crumbler roller Ø 440 mm 302-25 + bolts
700-930-068-001	Crumbler roller V-shape Ø 440 mm 302-25 instead of crumbler roller Ø 440 mm
700-930-007-003	Packer roller Ø 430 mm 252-25 instead of crumbler roller Ø 440 mm
700-930-007-002	Packer roller Ø 430 mm 302-25 instead of crumbler roller Ø 440 mm
700-930-008-008	Packer roller Ø 500 mm 252-25 instead of crumbler roller Ø 440 mm
700-930-008-001	Packer roller Ø 500 mm 302-25 instead of crumbler roller Ø 440 mm
700-930-023-003	Star packer roller Ø 440 mm 252-25 instead of crumbler roller Ø 440 mm
700-930-023-002	Star packer roller Ø 440 mm 302-25 instead of crumbler roller Ø 440 mm
700-930-069	LED lighting set with double sided signalling boards
	Subsoiler TerraSub (for Roterra 302-25), see pages 70-71
	Rollers other model
	Dual-combinations

# Roterra 35 / 45

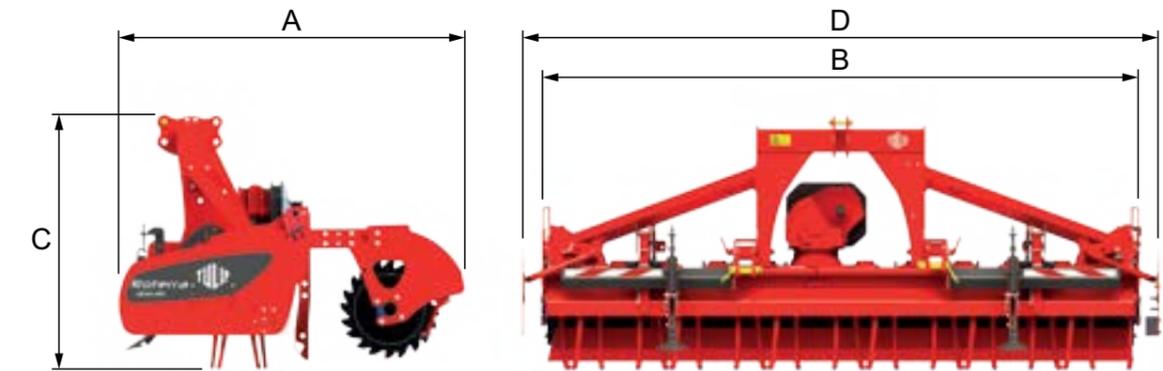
The **Roterra 35 / 45 series** is suitable for tractors from 50 to 200 HP. The patented drop tines ensure natural crumbling and substantial fuel savings. Thanks to the double bearings in the gear through, the machine is extremely stable. A range of options allow the harrow to be adjusted to any circumstances. From the 35 / 45 series, you can opt for knife tines instead of drop tines, in order to achieve improved cutting.



The **Roterra 35 / 45 series** is ultimately suitable to work the soil after ploughing or to perform superficial work immediately after harvesting. It is the ideal machine for cattle and crop farmers who want to deliver high-quality work at low costs.



						
<b>Roterra 35 / 45</b>		<b>302-35</b>	<b>302-45</b>	<b>352-45</b>	<b>402-45</b>	<b>452-45</b>
Working width	m	3	3	3,5	4	4,5
Length (A)	mm	1365	1365	1365	1365	1365
Width chassis (B)	mm	3000	3000	3500	4000	4500
Height (C)	mm	1250	1250	1250	1250	1250
Width total (D)	mm	3160	3160	3660	4160	4660
Number of rotors		12	12	14	16	18
Crumbler roller	ø mm	440	440	440	520	520
Min. power	hp	50	55	65	75	80
Max. power 540 rpm	hp	130	--	--	--	--
Max. power 1000 rpm	hp	160	180	180	180	200
Weight with CR/PR	kg	1120/1260	1160/1300	1250/1475	1525/1645	1750/1890





Lamier Roterra série 35



705-930-017-002



705-930-008-...



705-930-009-...



705-930-029-...



705-930-005-002



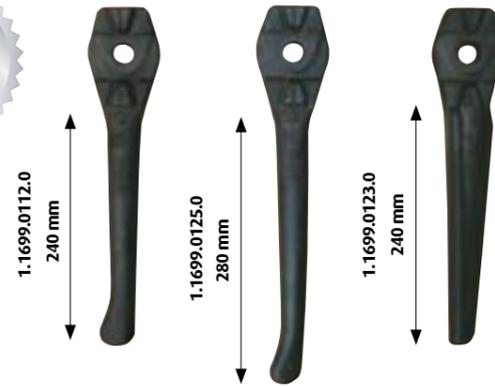
705-930-069



705-930-028-...

Article number	Tines for Roterra
1.1699.0111.0	Drop tine left Roterra 35/45/55 series (240 mm)
1.1699.0112.0	Drop tine right Roterra 35/45/55 series (240 mm)
1.1699.0124.0	Drop tine left Roterra 35/45/55 series (280 mm)
1.1699.0125.0	Drop tine right Roterra 35/45/55 series (280 mm)
1.1699.0122.0	Knife tine left Roterra 35/45/55 series (240 mm)
1.1699.0123.0	Knife tine right Roterra 35/45/55 series (240 mm)

Tines hardened in 5 zones for extra toughness and extended lifespan. In the top region the tines are very tough while, with a transition from the middle, the tines get harder and more wear-resistant. This makes the Tulip drop tine extra durable and at the same time tough enough to handle the most extreme conditions.



Gear box Roterra

Article number	Gear set	Rotor speed 540 rpm	Rotor speed 1000 rpm
<b>Roterra 302-35</b>			
1.1699.0562.8	17-18/18-17	237/265	438/--
1.1699.0568.8	16-19/19-16	211/298	391/--
1.1699.0560.8	15-20/20-15	186/333	348/--
1.1699.0566.8	14-21/21-14	168/376	310/--
1.1699.0570.8	13-22/22-13	---/423	274/--
1.1699.0564.8	12-23/23-12	---/480	242/--
<b>Roterra 302/352/402/452-45</b>			
1.1699.0532.8	17-18/18-17	--	241/270
1.1699.0538.8	16-19/19-16	--	215/303
1.1699.0530.8	15-20/20-15	--	191/340
1.1699.0536.8	14-21/21-14	--	170/382
1.1699.0534.8	12-23/23-12	--	---/489

## Standard specification

- Drop tines (max. working depth 240 mm) with side-fixation for quick exchange with the help of an air key
- Up to 352: three point headstock with square support beams (80x80 mm)
- Up from 402: heavy three point headstock 55-series with heavy duty square support beams (100x100 mm)
- Floating suspension of rotor guard
- Rigid torsion-free gear trough with a flanged lid for a long life
- 35 Series: reinforced gearbox (central drive) suitable for 540 and 1000 rpm (standard)
- 45 Series: heavy duty gearbox (no central drive) suitable for 1000 rpm
- 35 Series: set of gears 15/20 at 1000 rpm
- 45 Series: set of gears 20/15 at 1000 rpm
- Up to 352: floating system with crumbler roller Ø 440 mm
- Up from 402: floating system with crumbler roller Ø 520 mm
- Foldable soil deflectors, adjustable both horizontally and vertically
- Walterscheid PTO shaft with cam-type-cut-out clutch (1 3/8" - 6 splines at tractor side)

## Special benefits

- Patented club tines: due to the shape, side-fixation, material and production technique, the tines guarantee high quality and long life. These club tines are fitted by a single allen headed socket bolt and an unique captivated self locking nut. Because the bolt is accessible from the side, the tines can quickly and easily be changed thanks to the Easylock system by means of a power tool or socket. Fuel saving up to 20% in comparison with knife tines.
- Heavy duty rigid torsion-free gear trough with flanged lid, large diameter shafts and bearings as well as a large spacing between the top and bottom bearings.
- Gear trough completely sealed to ensure no contamination of the drive gear lubrication. Incorporating self lubricating, double sealed, heavy duty bearings.
- Patented spring-loaded rotor guard: stones and other objects are pushed down and can pass through the rotating tines.
- Foldable floating soil deflector: working width = transport width.
- Floating system: if necessary, the Roterra power harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- Rigid portal headstock: centre of gravity is positioned closely to the tractor, makes working with a less powerful tractor possible.
- Rotor speed: quickly and easily changeable gears.
- Compact engineered: headstock and support frame suitable to mount secondary equipment like seed drills or planters, offers seeding or planting in one pass.

## Points of attention

- For the Roterra 302 and 352 the heavy linkage of the 402/452-45 has to be ordered if also the headstock of the 55 series is ordered (article number 705-930-057).
- For machines without central drive (45 series) which are used in combination with a seed drill a shearpin automat Tulipmatic is recommended.
- Shearpin automat Tulipmatic is recommended in soil with stones.
- The mentioned powers are measured on the PTO-shaft.

Article number	Description
705-300-004	Roterra 302-35
706-300-004	Roterra 302-45
706-350-004	Roterra 352-45
706-400-004	Roterra 402-45
706-450-004	Roterra 452-45
<b>Accessories</b>	
705-930-037-006	Set of gears 12/23 instead of standard combination 15/20 35 series
705-930-037-007	Set of gears 13/22 instead of standard combination 15/20 35 series
705-930-037-008	Set of gears 14/21 instead of standard combination 15/20 35 series
705-930-037-009	Set of gears 16/19 instead of standard combination 15/20 35 series
705-930-037-010	Set of gears 17/18 instead of standard combination 15/20 35 series
705-930-038-001	Set of gears 12/23 instead of standard combination 20/15 45 series
705-930-038-003	Set of gears 14/21 instead of standard combination 20/15 45 series
705-930-038-004	Set of gears 16/19 instead of standard combination 20/15 45 series
705-930-038-005	Set of gears 17/18 instead of standard combination 20/15 45 series
705-930-065	Roterra 302-35 suited for 540 rpm instead of 1000 rpm (max. 130 hp)
705-930-013-008	Shearpin automat Tulipmatic instead of cam-type cut-out clutch 540 rpm 35 series
705-930-013-003	Shearpin automat Tulipmatic instead of cam-type cut-out clutch 1000 rpm 35 series
705-930-013-004	Shearpin automat Tulipmatic instead of cam-type cut-out clutch 45 series
705-930-015-001	Knife tines instead of drop tines 302-35/45
705-930-015-002	Knife tines instead of drop tines 352-45
705-930-015-003	Knife tines instead of drop tines 402-45
705-930-015-004	Knife tines instead of drop tines 452-45
705-930-016	Long tines 280 mm instead of 240 mm, applicable in stoneless soil (only on 302-35/45)
705-930-029-001	Mechanical linkage parts (max. 1200 kg) 302-35/45 and 352-45
705-930-029-002	Mechanical linkage parts (max. 1800 kg) 402/452-45
705-930-017-001	Hydraulic linkage 2 cylinders (max. 1700 kg) 302-35/45 and 352-45
705-930-017-002	Hydraulic linkage 2 cylinders (max. 2200 kg) 402/452-45
705-930-057	Heavy headstock incl. heavy duty support beams 55 series for 302-35/45 and 352-45 (std for 402/452-45)
705-930-005-002	Track eradicators 2x 2 tines
705-930-009-002	Levelling board 302-35/45
705-930-009-003	Levelling board 352-45
705-930-009-004	Levelling board 402-45
705-930-009-005	Levelling board 452-45
705-930-028-001	Spindle kit for levelling board 302-35/45 and 352-45
705-930-028-002	Spindle kit for levelling board 402/452-45
705-930-064-001	Markers 302-35/45 and 352-45
705-930-064-002	Markers 402/452-45
705-930-044-001	Deduction non-delivery crumbler roller Ø 440 mm 302-35/45, bearing plates and bearings
705-930-044-002	Deduction non-delivery crumbler roller Ø 440 mm 352-45, bearing plates and bearings
705-930-045-001	Deduction non-delivery crumbler roller Ø 520 mm 402-45, bearing plates and bearings
705-930-045-002	Deduction non-delivery crumbler roller Ø 520 mm 452-45, bearing plates and bearings
705-930-030-004	Extra rods for crumbler roller Ø 440 mm 302-35/45 + bolts
705-930-056-001	Crumbler roller Ø 520 mm 302-35/45 instead of crumbler roller Ø 440 mm
705-930-056-002	Crumbler roller Ø 520 mm 352-45 instead of crumbler roller Ø 440 mm
705-930-068-001	Crumbler roller V-shape Ø 440 mm 302-35/45 instead of crumbler roller Ø 440 mm
705-930-007-002	Packer roller Ø 430 mm 302-35/45 instead of crumbler roller Ø 440 mm
705-930-008-001	Packer roller Ø 500 mm 302-35/45 instead of crumbler roller Ø 440 mm
705-930-008-002	Packer roller Ø 500 mm 352-45 instead of crumbler roller Ø 440 mm
705-930-008-003	Packer roller Ø 500 mm 402-45 instead of crumbler roller Ø 520 mm
705-930-008-004	Packer roller Ø 500 mm 452-45 instead of crumbler roller Ø 520 mm
705-930-023-002	Star packer roller Ø 440 mm 302-35/45 instead of crumbler roller Ø 440 mm
705-930-069	LED lighting set with double sided signalling boards
	Subsoiler TerraSub (for Roterra 302-35/302-45/402-45), see pages 70-71
	Rollers other model
	Dual-combinations

# Roterra 55

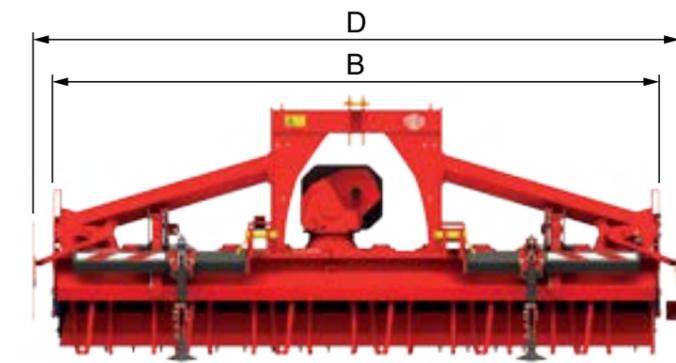
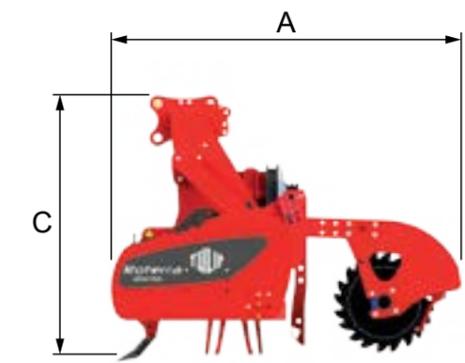
The **Roterra 55 series** is suitable for tractors from 60 to 275 HP. The patented drop tines ensure natural crumbling and substantial fuel savings. Thanks to the double bearings in the gear through, the machine is extremely stable. A range of options allow the harrow to be adjusted to any circumstances.

The **Roterra 55 series** is equipped with 28-cm tines to prepare a deeper seedbed. This machine is the ideal machine for intensive cattle and crop farming and heavier contract work. If you want to combine high capacity with low maintenance and perfect operation, choose the 55 series.

The double bearings in the trough, the robust headstock and strong supports make this machine extra stable.



<b>Roterra 55</b>		<b>302-55</b>	<b>352-55</b>	<b>402-55</b>	<b>452-55</b>	<b>502-55</b>	<b>602-55</b>
Working width	m	3	3,5	4	4,5	5	6
Length (A)	mm	1365	1365	1365	1365	1365	1365
Width (B)	mm	3000	3500	4000	4500	5000	6000
Height (C)	mm	1295	1295	1295	1295	1295	1295
Width total (D)	mm	3160	3660	4160	4660	5160	6160
Number of rotors		12	14	16	18	20	24
Crumbler roller	ø mm	440	440	520	520	440	440
Min. power	hp	60	70	80	95	110	125
Max. power 1000 rpm	hp	200	215	230	240	255	275
Weight with CR/PR	kg	1245/1460	1340/1650	1730/1855	1800/2100	1980/2300	2220/2575





Dents à goutte brevetés



710-930-009-...



710-930-008-...



710-930-064-...



710-930-017-002



710-930-005-002



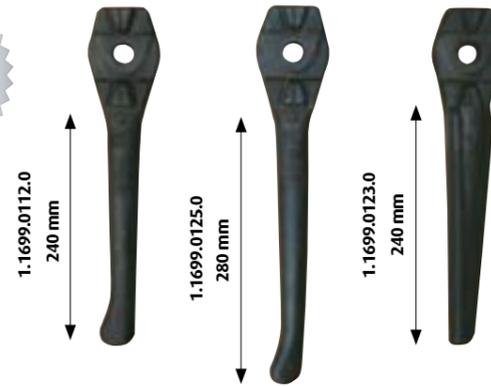
710-930-069



710-930-028-...

Article number	Tines for Roterra
1.1699.0111.0	Drop tine left Roterra 35/45/55 series (240 mm)
1.1699.0112.0	Drop tine right Roterra 35/45/55 series (240 mm)
1.1699.0124.0	Drop tine left Roterra 35/45/55 series (280 mm)
1.1699.0125.0	Drop tine right Roterra 35/45/55 series (280 mm)
1.1699.0122.0	Knife tine left Roterra 35/45/55 series (240 mm)
1.1699.0123.0	Knife tine right Roterra 35/45/55 series (240 mm)

Tines hardened in 5 zones for extra toughness and extended lifespan. In the top region the tines are very tough while, with a transition from the middle, the tines get harder and more wear-resistant. This makes the Tulip drop tine extra durable and at the same time tough enough to handle the most extreme conditions.



Gear box Roterra

Article number	Gear set	Rotor speed 1000 rpm
<b>Roterra 352/452-55</b>		
1.1699.0532.8	17-18/18-17	241/270
1.1699.0538.8	16-19/19-16	215/303
1.1699.0530.8	15-20/20-15	191/340
1.1699.0536.8	14-21/21-14	170/382
1.1699.0534.8	12-23/23-12	---/489
<b>Roterra 302/402/502/602-55</b>		
1.1699.0572.8	21-22/22-21	243/267
1.1699.0574.8	20-23/23-20	222/293
1.1699.0575.8	19-24/24-19	202/322
1.1699.0576.8	18-25/25-18	184/354
1.1699.0577.8	17-26/26-17	167/390
1.1699.0578.8	16-27/27-16	---/430

## Standard specification

- Drop tines (max. working depth 280 mm) with side-fixation for quick exchange with the help of an air key
- Heavy three point headstock with heavy duty square support beams (100x100 mm)
- Linkage cat. II and III
- Floating suspension of rotor guard
- Rigid torsion-free gear trough with a flanged lids for a long life
- 302/402/502/602-55: heavy duty gearbox (central drive) suitable for 1000 rpm
- 352/452-55: heavy duty gearbox suitable for 1000 rpm
- 302/402/502/602-55: set of gears 24/19 at 1000 rpm
- 352/452-55: set of gears 20/15 at 1000 rpm
- 302/352/502/602-55: floating system with crumbler roller Ø 440 mm
- 402/452-55: floating system with crumbler roller Ø 520 mm
- Foldable soil deflectors, adjustable both horizontally and vertically
- 302/352/402/452-55: Walterscheid PTO shaft with cam-type cut-out clutch (1 3/8" - 6 splines at tractor side)
- 302/352/402/452-55: driving shaft (1 3/4" - 6 splines at machine side)
- 502/602-55: Walterscheid PTO shaft with shearpin automat Tulipmatic (1 3/8" - 6 splines at tractor side)

## Special benefits

- Patented drop tines: due to the shape, side-fixation, material and production technique, the tines guarantee high quality and long life. These drop tines are fitted by a single Allen headed socket bolt and a unique captivated self locking nut. Because the bolt is accessible from the side, the tines can quickly and easily be changed thanks to the Easylock system by means of a power tool or socket.
- Heavy duty rigid torsion-free gear trough with flanged lid, large diameter shafts and bearings as well as a large spacing between the top and bottom bearings.
- Gear trough completely sealed to ensure no contamination of the drive gear lubrication. Incorporating self lubricating, double sealed, heavy duty bearings.
- Patented spring-loaded rotor guard: stones and other objects are pushed down and can pass through the rotating tines.
- Foldable floating soil deflectors: working width = transport width.
- Floating system: if necessary, the Roterra power harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- Rigid portal headstock: centre of gravity is positioned closely to the tractor, makes working with a less powerful tractor possible.
- Rotor speed: quickly and easily changeable gears.
- Compact engineered: headstock and support frame suitable to mount secondary equipment like seed drills or planters, offers seeding or planting in one pass.

## Points of attention

- For machines without central drive (352/452-55) which are used in combination with a seed drill a shearpin automat Tulipmatic is recommended.
- Shearpin automat Tulipmatic is recommended in soil with stones.
- The standard long tines 280 mm are only applicable for stoneless soil. For other soil types we recommend you to use tines 240 mm.
- The mentioned powers are measured on the PTO-shaft.

Article number	Description
710-300-003	Roterra 302-55
710-350-003	Roterra 352-55
710-400-003	Roterra 402-55
710-450-003	Roterra 452-55
710-500-003	Roterra 502-55
710-600-003	Roterra 602-55

## Accessories

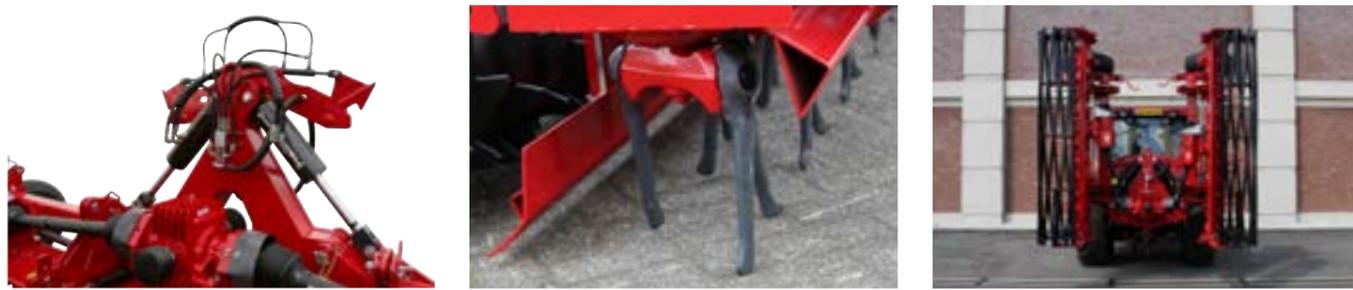
710-930-038-001	Set of gears 12/23 instead of standard combination 20/15 352/452-55
710-930-038-003	Set of gears 14/21 instead of standard combination 20/15 352/452-55
710-930-038-004	Set of gears 16/19 instead of standard combination 20/15 352/452-55
710-930-038-005	Set of gears 17/18 instead of standard combination 20/15 352/452-55
710-930-039-001	Set of gears 16/27 instead of standard combination 24/19 302/402/502/602-55
710-930-039-002	Set of gears 17/26 instead of standard combination 24/19 302/402/502/602-55
710-930-039-003	Set of gears 18/25 instead of standard combination 24/19 302/402/502/602-55
710-930-039-004	Set of gears 20/23 instead of standard combination 24/19 302/402/502/602-55
710-930-039-005	Set of gears 21/22 instead of standard combination 24/19 302/402/502/602-55
710-930-013-004	Shearpin automat Tulipmatic instead of cam-type cut-out clutch 302/352/402/452-55
710-930-067	PTO shaft Walterscheid 1 3/8" - 20 splines at tractor side instead of 1 3/8" - 21 splines 502/602-55
710-930-015-005	Knife tines instead of drop tines 302-55
710-930-015-006	Knife tines instead of drop tines 352-55
710-930-015-007	Knife tines instead of drop tines 402-55
710-930-015-008	Knife tines instead of drop tines 452-55
710-930-015-009	Knife tines instead of drop tines 502-55
710-930-015-010	Knife tines instead of drop tines 602-55
710-930-029-002	Mechanical linkage parts (max. 1800 kg) 55 series
710-930-017-002	Hydraulic linkage 2 cylinders (max. 2200 kg) 302/352/402/452-55
710-930-005-002	Track eradicators 2x 2 tines
710-930-009-002	Levelling board 302-55
710-930-009-003	Levelling board 352-55
710-930-009-004	Levelling board 402-55
710-930-009-005	Levelling board 452-55
710-930-009-006	Levelling board 502-55
710-930-009-007	Levelling board 602-55
710-930-028-001	Spindle kit for levelling board 302/352-55
710-930-028-002	Spindle kit for levelling board 402/452/502/602-55
710-930-064-001	Markers 302/352-55
710-930-064-002	Markers 402/452-55
710-930-044-...	Deduction non-delivery crumbler roller, bearing plates and bearings standard combination
710-930-056-001	Crumbler roller Ø 520 mm 302-55 instead of crumbler roller Ø 440 mm
710-930-056-002	Crumbler roller Ø 520 mm 352-55 instead of crumbler roller Ø 440 mm
710-930-068-001	Crumbler roller V-shape Ø 440 mm 302-55 instead of crumbler roller Ø 440 mm
710-930-008-001	Packer roller Ø 500 mm 302-55 instead of crumbler roller Ø 440 mm
710-930-008-002	Packer roller Ø 500 mm 352-55 instead of crumbler roller Ø 440 mm
710-930-008-003	Packer roller Ø 500 mm 402-55 instead of crumbler roller Ø 520 mm
710-930-008-004	Packer roller Ø 500 mm 452-55 instead of crumbler roller Ø 520 mm
710-930-008-005	Packer roller Ø 500 mm 502-55 instead of crumbler roller Ø 440 mm
710-930-008-006	Packer roller Ø 500 mm 602-55 instead of crumbler roller Ø 440 mm
710-930-047-001	Packer roller Ø 600 mm 302-55 instead of crumbler roller Ø 440 mm
710-930-047-002	Packer roller Ø 600 mm 352-55 instead of crumbler roller Ø 440 mm
710-930-047-003	Packer roller Ø 600 mm 402-55 instead of crumbler roller Ø 520 mm
710-930-023-002	Star packer roller Ø 440 mm 302-55 instead of crumbler roller Ø 440 mm
710-930-069	LED lighting set with double sided signalling boards
	Subsoiler TerraSub (for Roterra 302-55/402-55), see pages 70-71
	Rollers other model
	Dual-combinations

# Roterra 45 / 55 H

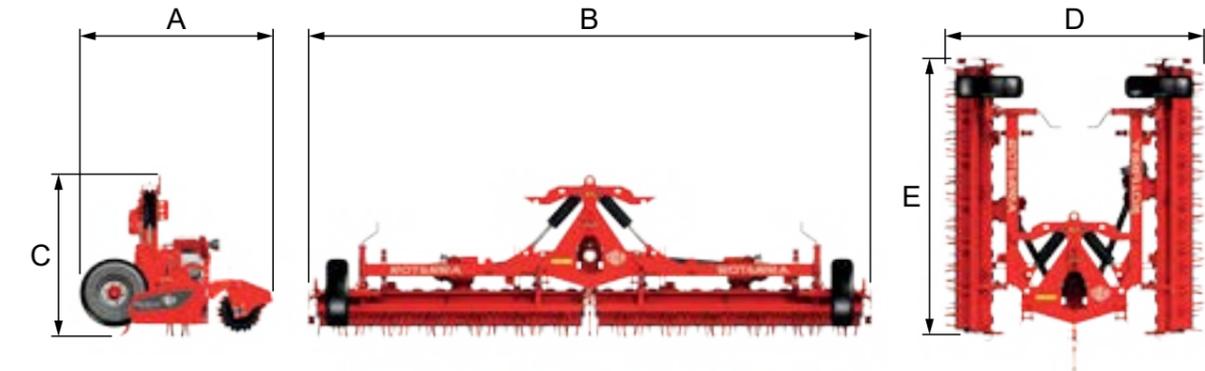
The **Roterra 45 / 55 H series** is foldable for road transport and suitable for tractors from 90 to 295 HP. The patented drop tines ensure natural crumbling and substantial fuel savings. Thanks to the double bearings in the gear through, the machine is extremely stable. A range of options allow the harrow to be adjusted to any circumstances.



The **Roterra 45 / 55 H series** can be equipped with 28-cm tines to prepare a deeper seedbed. This machine is the ideal machine for intensive cattle and crop farming and heavier contract work. If you need to work large surface areas under heavy circumstances, choose the 45 / 55 H series.



<i>Roterra 45 / 55 H</i>	<i>452-45 H</i>	<i>502-45 H</i>	<i>602-45 H</i>	<i>502-55 H</i>	<i>602-55 H</i>	
Working width	m	4,5	5	6	5	6
Length (A)	mm	2150	2150	2150	2150	2150
Width (B)	mm	4650	5350	6350	5350	6350
Height (C)	mm	1300	1760	1760	1760	1760
Width folded (D)	mm	2950	2950	2950	2950	2950
Height folded (E)	mm	2300	2500	3000	2500	3000
Number of rotors		18	20	24	20	24
Crumbler roller	ø mm	440	440	440	440	440
Min. power	hp	90	100	125	100	125
Max. power 1000 rpm	hp	210	215	235	275	295
Weight with CR/PR	kg	2620/2870	2875/3070	3065/3260	3085/3430	3315/3660





Lamier Roterra série 55 H



Transmission à sécurité Tulipmatic



711-930-053-...



711-930-028-003



Dents à goutte brevetés



Roues de support



Dent centrale



Article number	Tines for Roterra
1.1699.0111.0	Drop tine left Roterra 35/45/55 series (240 mm)
1.1699.0112.0	Drop tine right Roterra 35/45/55 series (240 mm)
1.1699.0124.0	Drop tine left Roterra 35/45/55 series (280 mm)
1.1699.0125.0	Drop tine right Roterra 35/45/55 series (280 mm)
1.1699.0122.0	Knife tine left Roterra 35/45/55 series (240 mm)
1.1699.0123.0	Knife tine right Roterra 35/45/55 series (240 mm)

Tines hardened in 5 zones for extra toughness and extended lifespan. In the top region the tines are very tough while, with a transition from the middle, the tines get harder and more wear-resistant. This makes the Tulip drop tine extra durable and at the same time tough enough to handle the most extreme conditions.



Gear box Roterra

Article number	Gear set	Rotor speed 1000 rpm
<b>Roterra 452/502/602-45 H und 502/602-55 H</b>		
1.1699.0562.8	17-18	418/--
1.1699.0568.8	16-19	373/--
1.1699.0560.8	15-20	332/--
1.1699.0566.8	14-21	296/--
1.1699.0570.8	13-22	262/--
1.1699.0564.8	12-23	231/--

## Standard specification

- Drop tines (max. working depth 240 mm for 45 H series and 280 mm for 55 H series) with side-fixation for quick exchange with the help of an air key
- Floating suspension of rotor guard
- Rigid torsion-free geartrough with a flanged lids for a long life
- Heavy duty gearbox (central drive) suitable for 1000 rpm
- Set of gears 15/20 at 1000 rpm
- Floating system with crumbler roller Ø 440 mm
- Hydraulically foldable for transport on public roads
- Two large depth control wheels to set the height of the main support frame
- Central Walterscheid PTO shaft between tractor and machine (1 3/8" - 21 splines at tractor side) and two independent Walterscheid PTO shafts with shearpin automat Tulipmatic for the harrow segments

## Special benefits

- A transport width of less than 3 meters is achieved in a matter of just a few seconds. For safety reasons, two locking hook shaped latches secure each section in vertical position.
- Patented drop tines: due to the shape, side-fixation, material and production technique, the tines guarantee high quality and long life. These drop tines are fitted by a single allen headed socket bolt and an unique captivated self locking nut. Because the bolt is accessible from the side, the tines can quickly and easily be changed thanks to the Easylock system by means of a power tool or socket. Fuel saving up to 20% in comparison with knife tines.
- Heavy duty rigid torsion-free geartrough with flanged lids, large diameter shafts and bearings as well as a large spacing between the top and bottom bearings.
- Gear trough completely sealed to ensure no contamination of the drive gear lubrication. Incorporating self lubricating, double sealed, heavy duty bearings.
- Patented spring-loaded rotor guard: stones and other objects are pushed down so to pass through the rotating tines.
- Rotor speed: quickly and easily changeable gears.
- Floating system: if necessary, the Roterra power harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- In work each section is independently fully floating on a parallel linkage system to ensure a consistent working depth across the full working width in uneven soil conditions. This construction also reduces the weight on the rotating tines and tine holders requiring considerable less power to drive the Roterra as well as reducing wear and tear.
- Rigid support frame with two large depth control wheels. Simply setting of height by a wind handle, allowing the floating parallel linkage to work at optimum efficiency for the required working depth.

## Points of attention

- Long tines 280 mm are only applicable for stoneless soil. For other soil types we recommend you to use tines 240 mm.
- The mentioned powers are measured on the PTO-shaft.

Article number	Description
712-450-004	Roterra 452-45 H
712-500-004	Roterra 502-45 H
712-600-004	Roterra 602-45 H
711-500-003	Roterra 502-55 H
711-600-003	Roterra 602-55 H
Accessories	
711-930-037-006	Set of gears 12/23 instead of standard combination 15/20
711-930-037-007	Set of gears 13/22 instead of standard combination 15/20
711-930-037-008	Set of gears 14/21 instead of standard combination 15/20
711-930-037-009	Set of gears 16/19 instead of standard combination 15/20
711-930-037-010	Set of gears 17/18 instead of standard combination 15/20
711-930-067	PTO shaft Walterscheid 1 3/8" - 20 splines at tractor side instead of 1 3/8" - 21 splines
711-930-015-004	Knife tines instead of drop tines 452-45 H
711-930-015-011	Knife tines instead of drop tines 502-45 H
711-930-015-012	Knife tines instead of drop tines 602-45 H
711-930-015-009	Knife tines instead of drop tines 502-55 H
711-930-015-010	Knife tines instead of drop tines 602-55 H
711-930-005-003	Track eradicators 2x 2 tines
711-930-009-011	Levelling board 452-45 H
711-930-009-010	Levelling board 502-45/55 H
711-930-009-008	Levelling board 602-45/55 H
711-930-028-003	Spindle kit for levelling board
711-930-051-004	Deduction non-delivery crumbler roller Ø 440 mm 452-45 H, bearing plates and bearings
711-930-051-003	Deduction non-delivery crumbler roller Ø 440 mm 502-45/55 H, bearing plates and bearings
711-930-051-002	Deduction non-delivery crumbler roller Ø 440 mm 602-45/55 H, bearing plates and bearings
711-930-063-004	Crumbler roller Ø 520 mm 452-45 H instead of crumbler roller Ø 440 mm
711-930-063-003	Crumbler roller Ø 520 mm 502-45/55 H instead of crumbler roller Ø 440 mm
711-930-063-002	Crumbler roller Ø 520 mm 602-45/55 H instead of crumbler roller Ø 440 mm
711-930-053-004	Packer roller Ø 500 mm 452-45 H instead of crumbler roller Ø 440 mm
711-930-053-003	Packer roller Ø 500 mm 502-45/55 H instead of crumbler roller Ø 440 mm
711-930-053-002	Packer roller Ø 500 mm 602-45/55 H instead of crumbler roller Ø 440 mm
711-930-070	Hydraulic unlocking device
	Rollers other model

## Disc harrows

The Multidisc disc harrow is the ideal machine for intensive stubble cultivation. With its various row spacings and discs, there's a suitable Multidisc for all conditions, even with a high concentration of crop residues. The Multidisc is available in working widths from 1.6 to 9.5 metres.

Tulip has developed the Multidisc Vario-S for the perfect combination of stubble cultivation and loosening of the soil, making it possible to perform two jobs in a single operation.



# Multidisc

The **Multidisc** is a fixed disc harrow with discs measuring 510 mm in diameter and a row distance of 80 cm. Available in working widths of 1.8 m up to 4.5 m. It is a light, yet robust machine.

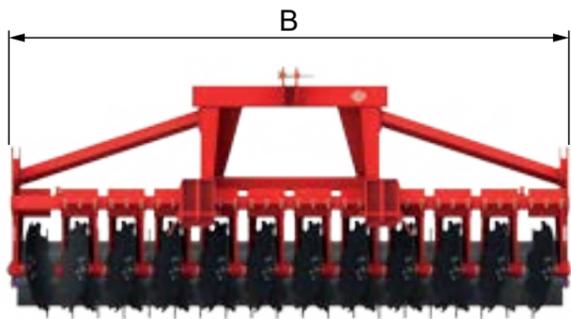
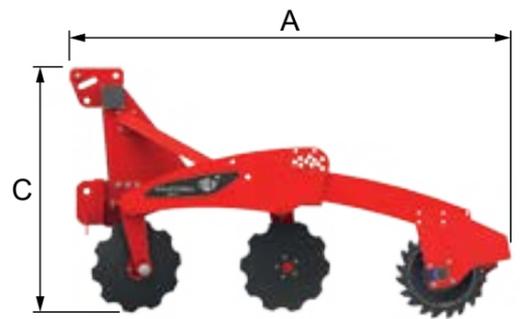
The aggressive operation of the notched discs ensure ideal processing and mixing of crop residues. The **Multidisc** is an ideal machine for cattle and crop farmers who want to perform intensive stubble work at low costs.



Standard, the **Multidisc** is equipped with maintenance free bearings.



<b>Multidisc</b>		<b>180</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>	<b>450</b>
Working width	m	1,8	2	2,5	3	3,5	4	4,5
Length (A)	mm	2280	2280	2280	2280	2280	2280	2280
Width (B)	mm	1800	2000	2500	3000	3500	4000	4500
Height (C)	mm	1350	1350	1350	1350	1350	1350	1350
Crumbler roller	ø mm	440	440	440	440	440	520	520
Number of discs	hp	12	14	18	22	26	30	34
Min./max. power	hp	40/70	50/75	60/100	75/120	85/140	100/160	115/180
Weight with CR/PR	kg	720/825	875/985	975/1115	1140/1305	1290/1475	1565/1670	1760/1880





745-935-089



745-935-003-005



745-935-003-002



745-935-001-...



745-935-008-...



745-935-069-...

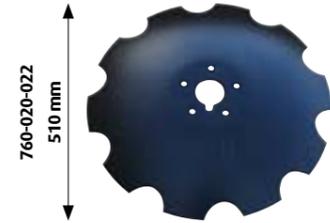


745-935-004-001



745-935-064-001

Article number	Spare parts for Multidisc
760-020-022	Disc Ø 510x5 mm 5 holes serrated
760-020-062	Disc Ø 510x5 mm 5 holes serrated economy model



Sharpened discs

## Standard specification

- 2 Rows of discs made out of hardened steel Ø 510 mm
- Gang spacing 80 cm
- Maintenance free bearings
- Torsion bar suspension by means of round rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock
- Up to 200 inclusive: linkage cat. II
- Up from 250: linkage cat. II and III
- Up to 350: depth control by means of the floating system with crumbler roller Ø 440 mm
- Up from 400: depth control by means of the floating system with crumbler roller Ø 520 mm
- Up from 350: support beams for high stability

## Special benefits

- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.
- High stability of the torsion bar suspension of the roller.
- The floating system: if necessary the Multidisc disc harrow can break out upwards independently from the roller. The roller continues to follow the ground.

## Further explanation accessories

- Hydraulic roller adjustment: two cylinders, which make it possible to adjust the roller by using the tractor hydraulics.
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width.
- Set soil deflector discs right: set of 2 adjustable side-discs. The first disc keeps the soil stream inside the working width. The second disc has an equalizing function.

Article number	Description
745-180	<b>Multidisc 180</b>
745-200	<b>Multidisc 200</b>
745-250	<b>Multidisc 250</b>
745-300	<b>Multidisc 300</b>
745-350	<b>Multidisc 350</b>
745-400	<b>Multidisc 400</b>
745-450	<b>Multidisc 450</b>
<b>Accessories</b>	
745-935-030-005	Deduction non-delivery crumbler roller Ø 440 mm 180, stabilization beam, bearing plates and bearings
745-935-030-003	Deduction non-delivery crumbler roller Ø 440 mm 200, stabilization beam, bearing plates and bearings
745-935-030-004	Deduction non-delivery crumbler roller Ø 440 mm 250, stabilization beam, bearing plates and bearings
745-935-030-001	Deduction non-delivery crumbler roller Ø 440 mm 300, stabilization beam, bearing plates and bearings
745-935-030-006	Deduction non-delivery crumbler roller Ø 440 mm 350, stabilization beam, bearing plates and bearings
745-935-032-002	Deduction non-delivery crumbler roller Ø 520 mm 400, stabilization beam, bearing plates and bearings
745-935-032-007	Deduction non-delivery crumbler roller Ø 520 mm 450, stabilization beam, bearing plates and bearings
745-935-019-003	Crumbler roller Ø 520 mm 200 instead of crumbler roller Ø 440 mm
745-935-019-004	Crumbler roller Ø 520 mm 250 instead of crumbler roller Ø 440 mm
745-935-019-001	Crumbler roller Ø 520 mm 300 instead of crumbler roller Ø 440 mm
745-935-019-006	Crumbler roller Ø 520 mm 350 instead of crumbler roller Ø 440 mm
745-935-001-005	Packer roller Ø 500 mm 180 instead of crumbler roller Ø 440 mm
745-935-001-003	Packer roller Ø 500 mm 200 instead of crumbler roller Ø 440 mm
745-935-001-004	Packer roller Ø 500 mm 250 instead of crumbler roller Ø 440 mm
745-935-001-001	Packer roller Ø 500 mm 300 instead of crumbler roller Ø 440 mm
745-935-001-006	Packer roller Ø 500 mm 350 instead of crumbler roller Ø 440 mm
745-935-050-002	Packer roller Ø 500 mm 400 instead of crumbler roller Ø 520 mm
745-935-050-007	Packer roller Ø 500 mm 450 instead of crumbler roller Ø 520 mm
745-935-025-001	Packer roller Ø 600 mm 300 instead of crumbler roller Ø 440 mm
745-935-025-006	Packer roller Ø 600 mm 350 instead of crumbler roller Ø 440 mm
745-935-051-002	Packer roller Ø 600 mm 400 instead of crumbler roller Ø 520 mm
745-935-051-007	Packer roller Ø 600 mm 450 instead of crumbler roller Ø 520 mm
745-935-008-003	Ring roller Ø 600 mm 200 instead of crumbler roller Ø 440 mm
745-935-008-004	Ring roller Ø 600 mm 250 instead of crumbler roller Ø 440 mm
745-935-008-001	Ring roller Ø 600 mm 300 instead of crumbler roller Ø 440 mm
745-935-008-006	Ring roller Ø 600 mm 350 instead of crumbler roller Ø 440 mm
745-935-053-002	Ring roller Ø 600 mm 400 instead of crumbler roller Ø 520 mm
745-935-053-007	Ring roller Ø 600 mm 450 instead of crumbler roller Ø 520 mm
745-935-089	Hydraulic roller adjustment
745-935-069-012	Straw harrow 180 behind the last row of discs
745-935-069-008	Straw harrow 200 behind the last row of discs
745-935-069-009	Straw harrow 250 behind the last row of discs
745-935-069-001	Straw harrow 300 behind the last row of discs
745-935-069-011	Straw harrow 350 behind the last row of discs
745-935-069-002	Straw harrow 400 behind the last row of discs
745-935-069-016	Straw harrow 450 behind the last row of discs
745-935-003-002	Soil deflector plate right (hand-model)
745-935-003-005	Soil deflector plate right
745-935-070	Support beams for Multidisc 300
745-935-064-001	LED lighting set with signalling boards at the back
745-935-004-001	Weight box
	Rollers other model

# Multidisc H

The **Multidisc H** is a foldable disc harrow with discs measuring 510 mm in diameter and a row distance of 80 cm. Available in working widths of 4.0 m up to 9.0 m. When folded, the machine remains within the regulatory transport width. Folded out, it will nicely follow the ground for perfect results.



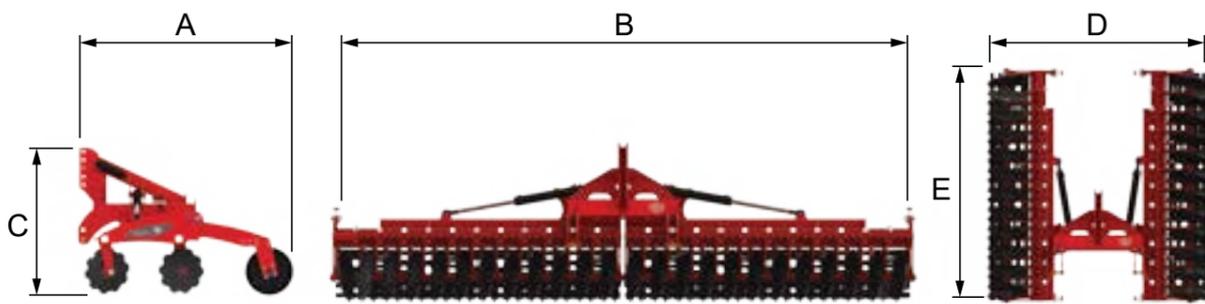
Each disc harrow in the H series can be equipped with a Junior / Senior transport trailer for road transport. The aggressive operation of the notched discs ensure ideal processing and mixing of crop residues. The **Multidisc H** is an ideal machine for cattle and crop farmers who want to perform highly intensive stubble work at low costs.



Standard, the **Multidisc H** is equipped with maintenance free bearings.



<b>Multidisc H</b>		<b>400 H</b>	<b>450 H</b>	<b>500 H</b>	<b>600 H</b>	<b>700 H</b>	<b>900 H</b>
Working width	m	4	4,5	5	6	7	9
Length (A)	mm	2230	2230	2230	2230	2230	2230
Width (B)	mm	4000	4500	5000	6000	7000	9000
Height (C)	mm	1440	1440	1440	1440	1440	1440
Width folded (D)	mm	2980	2980	2980	2980	2980	2980
Height folded (E)	mm	2000	2250	2500	3000	3500	3780
Crumbler roller	ø mm	440	440	440	440	440	440
Number of discs		30	34	38	46	54	70
Min/Max. power	hp	100/160	115/180	125/200	150/250	180/290	230/370
Weight with CR/PR500	kg	2105/2325	2285/2530	2525/2810	2945/3270	3425/3795	5850/6285





746-935-003-005



746-935-002-...



746-935-069-...



746-935-003-002

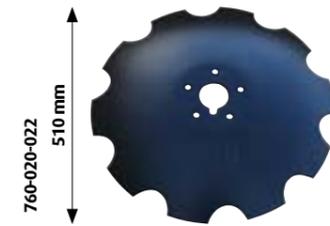


746-935-009-...



746-935-064-002

Article number	Spare parts for Multidisc
760-020-022	Disc Ø 510x5 mm 5 holes serrated
760-020-062	Disc Ø 510x5 mm 5 holes serrated economy model



760-020-022  
510 mm



Sharpened discs

## Standard specification

- 2 Rows of discs made out of hardened steel Ø 510 mm
- Gang spacing 80 cm
- Maintenance free bearings
- Torsion bar suspension by means of round rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock
- Up to 500 H: linkage cat. II and III
- Up from 600 H: linkage cat. III/Quick hitch
- Hydraulically foldable for road transport
- Hydraulic unlocking device
- Depth control by means of the floating system with crumbler roller Ø 440 mm

## Special benefits

- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.
- High stability of the torsion bar suspension of the roller.
- The floating system: if necessary the Multidisc disc harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- Transport width less than 3 meters: uncomplicated road transport. The folded sections of the machine are secured by locking pins.

## Further explanation accessories

- Hydraulic roller adjustment: two cylinders, which make it possible to adjust the roller by using the tractor hydraulics.
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width.
- Set soil deflector discs right: set of 2 adjustable side-discs. The first disc keeps the soil stream inside the working width. The second disc has an equalizing function.
- Extra weight: recommended up from 600 H or for hard soil and/or tough residual crop.

Article number	Description
746-400	Multidisc 400 H
746-450	Multidisc 450 H
746-500	Multidisc 500 H
746-600	Multidisc 600 H
746-700	Multidisc 700 H
746-900	Multidisc 900 H

Accessories	
746-935-031-...	Deduction non-delivery crumbler roller, stabilization beam, bearing plates and bearings standard combination
746-935-020-001	Crumbler roller Ø 520 mm 400 H instead of crumbler roller Ø 440 mm
746-935-020-002	Crumbler roller Ø 520 mm 450 H instead of crumbler roller Ø 440 mm
746-935-020-003	Crumbler roller Ø 520 mm 500 H instead of crumbler roller Ø 440 mm
746-935-020-004	Crumbler roller Ø 520 mm 600 H instead of crumbler roller Ø 440 mm
746-935-020-013	Crumbler roller Ø 520 mm 700 H instead of crumbler roller Ø 440 mm
746-935-020-006	Crumbler roller Ø 520 mm 900 H instead of crumbler roller Ø 440 mm
746-935-002-001	Packer roller Ø 500 mm 400 H instead of crumbler roller Ø 440 mm
746-935-002-002	Packer roller Ø 500 mm 450 H instead of crumbler roller Ø 440 mm
746-935-002-003	Packer roller Ø 500 mm 500 H instead of crumbler roller Ø 440 mm
746-935-002-004	Packer roller Ø 500 mm 600 H instead of crumbler roller Ø 440 mm
746-935-002-013	Packer roller Ø 500 mm 700 H instead of crumbler roller Ø 440 mm
746-935-002-006	Packer roller Ø 500 mm 900 H instead of crumbler roller Ø 440 mm
746-935-026-001	Packer roller Ø 600 mm 400 H instead of crumbler roller Ø 440 mm
746-935-026-002	Packer roller Ø 600 mm 450 H instead of crumbler roller Ø 440 mm
746-935-026-003	Packer roller Ø 600 mm 500 H instead of crumbler roller Ø 440 mm
746-935-026-004	Packer roller Ø 600 mm 600 H instead of crumbler roller Ø 440 mm
746-935-026-013	Packer roller Ø 600 mm 700 H instead of crumbler roller Ø 440 mm
746-935-026-006	Packer roller Ø 600 mm 900 H instead of crumbler roller Ø 440 mm
746-935-088-004	Crumbler roller V-shape Ø 640 mm 600 H instead of crumbler roller Ø 440 mm
746-935-088-013	Crumbler roller V-shape Ø 640 mm 700 H instead of crumbler roller Ø 440 mm
746-935-088-006	Crumbler roller V-shape Ø 640 mm 900 H instead of crumbler roller Ø 440 mm
746-935-009-001	Ring roller Ø 600 mm 400 H instead of crumbler roller Ø 440 mm
746-935-009-002	Ring roller Ø 600 mm 450 H instead of crumbler roller Ø 440 mm
746-935-009-003	Ring roller Ø 600 mm 500 H instead of crumbler roller Ø 440 mm
746-935-009-004	Ring roller Ø 600 mm 600 H instead of crumbler roller Ø 440 mm
746-935-009-013	Ring roller Ø 600 mm 700 H instead of crumbler roller Ø 440 mm
746-935-009-006	Ring roller Ø 600 mm 900 H instead of crumbler roller Ø 440 mm
746-935-089	Hydraulic roller adjustment
746-935-069-003	Straw harrow 400 H behind the last row of discs
746-935-069-004	Straw harrow 450 H behind the last row of discs
746-935-069-005	Straw harrow 500 H behind the last row of discs
746-935-069-006	Straw harrow 600 H behind the last row of discs
746-935-069-017	Straw harrow 700 H behind the last row of discs
746-935-069-010	Straw harrow 900 H behind the last row of discs
746-935-003-002	Soil deflector plate right (hand-model)
746-935-003-005	Set soil deflector discs right
746-935-064-002	LED lighting set with signalling boards at the front and at the back
746-935-074	Depth control wheels in front
746-935-027-001	Extra weight base 300 kg
746-935-027-002	Extra weight supplement 150 kg
746-935-083-001	Foldable under-carriage with hydr. adjustable draw bar "Junior trailing kit" up to 700 H, see pages 52-53
746-935-083-002	Foldable under-carriage with hydr. adjustable draw bar "Senior trailing kit" 900 H, see pages 52-53
746-935-072	Slurry injector to mount on the Multidisc H Rollers other model

# Multidisc XL

The **Multidisc XL** is a fixed disc harrow with discs measuring 560 mm in diameter and a row distance of 100 cm. Available in working widths of 3.0 m up to 4.5 m. The disc elements are bent and have a thickness of 25 mm, to ensure extra toughness while allowing stones through. Alternatively, corrugated discs (Wave discs) can be mounted to ensure improved cutting in the front row, for example if a lot of crop residues have been left behind, such as after harvesting thresh maize or field fertilizer.

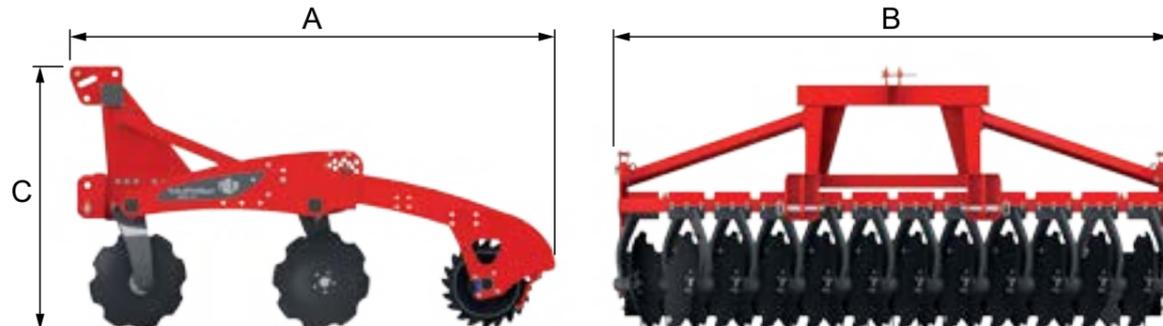
The **Multidisc XL** will work the soil even deeper and more aggressively than the Multidisc. In addition, the machine frame will allow more material through. It is the ideal machine for cattle and crop farmers who want to perform intensive stubble work in case of a high concentration of crop residues.



Standard, the **Multidisc XL** is equipped with maintenance free bearings.



					
<b>Multidisc XL</b>		<b>300 XL</b>	<b>350 XL</b>	<b>400 XL</b>	<b>450 XL</b>
Working width	m	3	3,5	4	4,5
Length (A)	mm	2480	2480	2480	2480
Width (B)	mm	3000	3500	4000	4500
Height (C)	mm	1390	1390	1390	1390
Crumbler roller	ø mm	520	520	520	520
Number of discs		22	26	30	34
Min/Max. power	hp	95/140	110/160	125/190	145/210
Weight with CR/PR500	kg	1440/1500	1615/1685	1775/1880	1960/2080





747-935-069-...



747-935-003-002



747-935-053-...



747-935-003-005

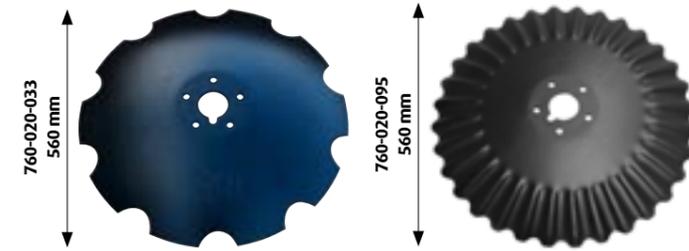


747-935-050-...



747-935-004-001

Article number	Spare parts for Multidisc
760-020-033	Disc Ø 560x5 mm 5 holes serrated
760-020-063	Disc Ø 560x5 mm 5 holes serrated economy model
760-020-095	Wave disc Ø 560x5 mm 5-holes serrated



Sharpened discs

## Standard specification

- 2 Rows of large discs made out of hardened steel Ø 560 mm
- Gang spacing 100 cm
- Maintenance free bearings
- Torsion bar suspension by means of triangular rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock
- Linkage cat. II and III
- Depth control by means of the floating system with crumbler roller Ø 520 mm
- Support beams for high stability
- Three point hitch XL model 2015 standard from Multidisc 350 XL

## Special benefits

- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the extra large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.
- The floating system: if necessary the Multidisc disc harrow can break out upwards independently from the roller. The roller continues to follow the ground.

## Further explanation accessories

- Hydraulic roller adjustment: two cylinders, which make it possible to adjust the roller by using the tractor hydraulics.
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width.
- Set soil deflector discs right: set of 2 adjustable side-discs. The first disc keeps the soil stream inside the working width. The second disc has an equalizing function.
- "Junior trailing kit": transport kit of which the beam is mounted on the front of three point hitch and the foldable wheel gear is mounted at the back of the three point hitch.

## Differences Multidisc XL / Multidisc

- Discs Ø 560 mm instead of Ø 510 mm with larger disc arms
- Larger distance between the rows of discs (20 cm more)
- Disc arms 25 mm instead of 20 mm
- Crumbler roller Ø 520 mm instead of Ø 440 mm
- Torsion bar suspension by means of triangular instead of round rubbers
- Larger soil stream and capacity
- Support beams for high stability

Article number	Description
747-300	Multidisc 300 XL
747-350	Multidisc 350 XL
747-400	Multidisc 400 XL
747-450	Multidisc 450 XL
<b>Accessories</b>	
747-935-032-001	Deduction non-delivery crumbler roller Ø 520 mm 300 XL, stabilization beam, bearing plates and bearings
747-935-032-006	Deduction non-delivery crumbler roller Ø 520 mm 350 XL, stabilization beam, bearing plates and bearings
747-935-032-002	Deduction non-delivery crumbler roller Ø 520 mm 400 XL, stabilization beam, bearing plates and bearings
747-935-032-007	Deduction non-delivery crumbler roller Ø 520 mm 450 XL, stabilization beam, bearing plates and bearings
747-935-050-001	Packer roller Ø 500 mm 300 XL instead of crumbler roller Ø 520 mm
747-935-050-006	Packer roller Ø 500 mm 350 XL instead of crumbler roller Ø 520 mm
747-935-050-002	Packer roller Ø 500 mm 400 XL instead of crumbler roller Ø 520 mm
747-935-050-007	Packer roller Ø 500 mm 450 XL instead of crumbler roller Ø 520 mm
747-935-051-001	Packer roller Ø 600 mm 300 XL instead of crumbler roller Ø 520 mm
747-935-051-006	Packer roller Ø 600 mm 350 XL instead of crumbler roller Ø 520 mm
747-935-051-002	Packer roller Ø 600 mm 400 XL instead of crumbler roller Ø 520 mm
747-935-051-007	Packer roller Ø 600 mm 450 XL instead of crumbler roller Ø 520 mm
747-935-086-001	Crumbler roller V-shape Ø 640 mm 300 XL instead of crumbler roller Ø 520 mm
747-935-086-006	Crumbler roller V-shape Ø 640 mm 350 XL instead of crumbler roller Ø 520 mm
747-935-086-002	Crumbler roller V-shape Ø 640 mm 400 XL instead of crumbler roller Ø 520 mm
747-935-053-001	Ring roller Ø 600 mm 300 XL instead of crumbler roller Ø 520 mm
747-935-053-006	Ring roller Ø 600 mm 350 XL instead of crumbler roller Ø 520 mm
747-935-053-002	Ring roller Ø 600 mm 400 XL instead of crumbler roller Ø 520 mm
747-935-053-007	Ring roller Ø 600 mm 450 XL instead of crumbler roller Ø 520 mm
747-935-082-001	Double ring roller Ø 600 mm 300 XL instead of crumbler roller Ø 520 mm
747-935-082-006	Double ring roller Ø 600 mm 350 XL instead of crumbler roller Ø 520 mm
747-935-115-001	DD roller Ø 600 mm 300 XL instead of crumbler roller Ø 520 mm
747-935-115-006	DD roller Ø 600 mm 350 XL instead of crumbler roller Ø 520 mm
747-935-115-002	DD roller Ø 600 mm 400 XL instead of crumbler roller Ø 520 mm
747-935-089	Hydraulic roller adjustment
747-935-069-001	Straw harrow 300 XL behind the last row of discs
747-935-069-011	Straw harrow 350 XL behind the last row of discs
747-935-069-002	Straw harrow 400 XL behind the last row of discs
747-935-069-016	Straw harrow 450 XL behind the last row of discs
747-935-003-002	Soil deflector plate right (hand-model)
747-935-003-005	Set soil deflector discs right
747-935-064-001	LED lighting set with signalling boards at the back
747-935-004-001	Weight box
747-935-096	Three point hitch XL model 2015 (prepared for "Junior trailing kit")
747-935-083-001	Foldable under-carriage with hydr. adjustable draw bar "Junior trailing kit", see pages 52-53
747-935-104	Wave disc Ø 560 instead of standard disc Ø 560 mm - per disc Rollers other model

# Multidisc XLH

The **Multidisc XLH** is a foldable disc harrow with discs measuring 560 mm in diameter and a row distance of 100 cm. Available in working widths of 4.0 m up to 9.5 m. When folded, the machine remains within the regulatory transport width. Folded out, it will nicely follow the ground for perfect results.

Each disc harrow in the XLH series can be equipped with a Junior/Senior transport trailer for road transport. Alternatively, corrugated discs (Wave discs) can be mounted to ensure improved cutting in the front row, for example if a lot of crop residues have been left behind, such as after harvesting thresh maize or field fertilizer.

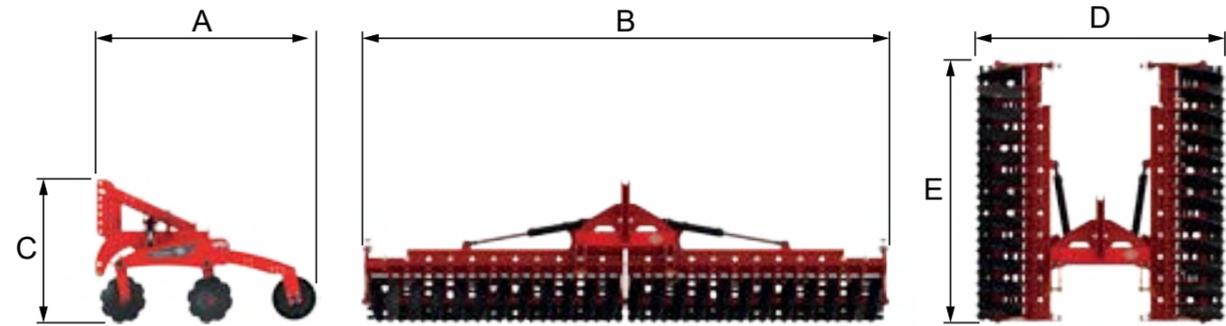
The **Multidisc XLH** will work the soil even deeper and more aggressively than the Multidisc H. In addition, the machine frame will allow more material through. It is the ideal machine for cattle and crop farmers who want to perform intensive stubble work in case of a high concentration of crop residues.



Standard, the **Multidisc XLH** is equipped with maintenance free bearings.



<b>Multidisc XLH</b>		<b>400 XLH</b>	<b>450 XLH</b>	<b>500 XLH</b>	<b>600 XLH</b>	<b>650 XLH</b>	<b>700 XLH</b>	<b>850 XLH</b>	<b>950 XLH</b>
Working width	m	4	4,5	5	6	6,5	7	8,5	9,5
Length (A)	mm	2545	2545	2545	2545	2545	2545	2560	2560
Total width (B)	mm	4000	4500	5000	6000	6500	7000	8500	9500
Height (C)	mm	1675	1675	1675	1675	1675	1675	2375	2375
Width folded (D)	mm	2980	2980	2980	2980	2980	2980	3490	3490
Height folded (E)	mm	2000	2250	2500	3000	3250	3500	3200	3700
Crumbler roller	ø mm	520	520	520	520	520	520	520	520
Number of discs		30	34	38	46	50	54	66	74
Min./Max. power	hp	125/190	145/210	160/240	190/290	180/300	230/340	300/450	340/550
Weight with CR/PR500	kg	2470/2565	2620/2750	3005/3185	3385/3495	3650/3820	3830/3970	3800/---	4000/---





748-935-003-005



748-935-052-...



748-935-069



748-935-072



748-935-003-002



748-935-054

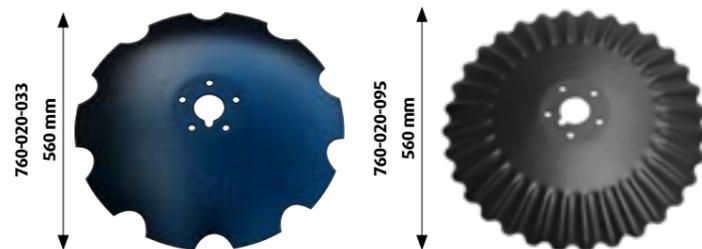


748-935-064-002



748-935-083-001

Article number	Spare parts for Multidisc
760-020-033	Disc Ø 560x5 mm 5 holes serrated
760-020-063	Disc Ø 560x5 mm 5 holes serrated economy model
760-020-095	Wave disc Ø 560x5 mm 5 holes serrated



Sharpened discs

## Standard specification

- 2 Rows of large discs made out of hardened steel Ø 560 mm
- Gang spacing 100 cm
- Maintenance free bearings
- Torsion bar suspension by means of triangular rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock
- 400 XLH/450 XLH: linkage cat. II and III
- Up from 500 XLH: linkage cat. III/Quick hitch
- Hydraulically foldable for road transport
- Hydraulic unlocking device
- Depth control by means of the floating system with crumbler roller Ø 520 mm

## Special benefits

- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the extra large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.
- The floating system: if necessary the Multidisc disc harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- Transport width less than 3 meters: uncomplicated road transport. The folded sections of the machine are secured by locking pins.

## Further explanation accessories

- Hydraulic roller adjustment: two cylinders, which make it possible to adjust the roller by using the tractor hydraulics.
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width.
- Set soil deflector discs right: set of 2 adjustable side-discs. The first disc keeps the soil stream inside the working width. The second disc has an equalizing function.
- Extra weight: recommended up from 600 XLH or for hard soil and/or tough residual crop.
- "Junior/senior trailing kit": transport kit of which the beam is mounted on the front of three point hitch and the foldable wheel gear is mounted at the back of the three point hitch.

Article number	Description
748-400	Multidisc 400 XLH
748-450	Multidisc 450 XLH
748-500	Multidisc 500 XLH
748-600	Multidisc 600 XLH
748-650	Multidisc 650 XLH
748-700	Multidisc 700 XLH
748-850	Multidisc 850 XLH
748-950	Multidisc 950 XLH

Article number	Accessories
748-935-033-001	Deduction non-delivery crumbler roller Ø 520 mm 400 XLH, stabilization beam, bearing plates and bearings
748-935-033-002	Deduction non-delivery crumbler roller Ø 520 mm 450 XLH, stabilization beam, bearing plates and bearings
748-935-033-003	Deduction non-delivery crumbler roller Ø 520 mm 500 XLH, stabilization beam, bearing plates and bearings
748-935-033-004	Deduction non-delivery crumbler roller Ø 520 mm 600 XLH, stabilization beam, bearing plates and bearings
748-935-033-014	Deduction non-delivery crumbler roller Ø 520 mm 650 XLH, stabilization beam, bearing plates and bearings
748-935-033-013	Deduction non-delivery crumbler roller Ø 520 mm 700 XLH, stabilization beam, bearing plates and bearings
748-935-033-015	Deduction non-delivery crumbler roller Ø 520 mm 850 XLH, stabilization beam, bearing plates and bearings
748-935-033-016	Deduction non-delivery crumbler roller Ø 520 mm 950 XLH, stabilization beam, bearing plates and bearings
748-935-052-001	Packer roller Ø 500 mm 400 XLH instead of crumbler roller Ø 520 mm
748-935-052-003	Packer roller Ø 500 mm 500 XLH instead of crumbler roller Ø 520 mm
748-935-052-004	Packer roller Ø 500 mm 600 XLH instead of crumbler roller Ø 520 mm
748-935-052-014	Packer roller Ø 500 mm 650 XLH instead of crumbler roller Ø 520 mm
748-935-052-013	Packer roller Ø 500 mm 700 XLH instead of crumbler roller Ø 520 mm
748-935-055-001	Packer roller Ø 600 mm 400 XLH instead of crumbler roller Ø 520 mm
748-935-055-002	Packer roller Ø 600 mm 450 XLH instead of crumbler roller Ø 520 mm
748-935-055-003	Packer roller Ø 600 mm 500 XLH instead of crumbler roller Ø 520 mm
748-935-055-004	Packer roller Ø 600 mm 600 XLH instead of crumbler roller Ø 520 mm
748-935-055-014	Packer roller Ø 600 mm 650 XLH instead of crumbler roller Ø 520 mm
748-935-055-013	Packer roller Ø 600 mm 700 XLH instead of crumbler roller Ø 520 mm
748-935-055-015	Packer roller Ø 600 mm 850 XLH instead of crumbler roller Ø 520 mm
748-935-055-016	Packer roller Ø 600 mm 950 XLH instead of crumbler roller Ø 520 mm
748-935-087-003	Crumbler roller V-shape Ø 640 mm 500 XLH instead of crumbler roller Ø 520 mm
748-935-087-004	Crumbler roller V-shape Ø 640 mm 600 XLH instead of crumbler roller Ø 520 mm
748-935-054-001	Ring roller Ø 600 mm 400 XLH instead of crumbler roller Ø 520 mm
748-935-054-002	Ring roller Ø 600 mm 450 XLH instead of crumbler roller Ø 520 mm
748-935-054-003	Ring roller Ø 600 mm 500 XLH instead of crumbler roller Ø 520 mm
748-935-054-004	Ring roller Ø 600 mm 600 XLH instead of crumbler roller Ø 520 mm
748-935-054-014	Ring roller Ø 600 mm 650 XLH instead of crumbler roller Ø 520 mm
748-935-054-013	Ring roller Ø 600 mm 700 XLH instead of crumbler roller Ø 520 mm
748-935-054-015	Ring roller Ø 600 mm 850 XLH instead of crumbler roller Ø 520 mm
748-935-054-016	Ring roller Ø 600 mm 950 XLH instead of crumbler roller Ø 520 mm
748-935-117-001	DD roller Ø 600 mm 400 XLH instead of crumbler roller Ø 520 mm
748-935-117-003	DD roller Ø 600 mm 500 XLH instead of crumbler roller Ø 520 mm
748-935-117-004	DD roller Ø 600 mm 600 XLH instead of crumbler roller Ø 520 mm
748-935-089	Hydraulic roller adjustment
748-935-069-003	Straw harrow 400 XLH behind the last row of discs
748-935-069-004	Straw harrow 450 XLH behind the last row of discs
748-935-069-005	Straw harrow 500 XLH behind the last row of discs
748-935-069-006	Straw harrow 600 XLH behind the last row of discs
748-935-069-018	Straw harrow 650 XLH behind the last row of discs
748-935-069-017	Straw harrow 700 XLH behind the last row of discs
748-935-069-019	Straw harrow 850 XLH behind the last row of discs
748-935-069-020	Straw harrow 950 XLH behind the last row of discs
748-935-003-002	Soil deflector plate right (hand-model)
748-935-003-005	Set soil deflector discs right
748-935-064-002	LED Lighting set with signalling boards at the front and at the back
748-935-074	Depth control wheels in front
748-935-027-001	Extra weight base 300 kg
748-935-027-002	Extra weight supplement 150 kg
748-935-083-001	Foldable under-carriage with hydr. adjustable draw bar "Junior trailing kit" up to 700 XLH (pages 52-53)
748-935-083-002	Foldable under-carriage with hydr. adjustable draw bar "Senior trailing kit" 850/950 XLH (pages 52-53)
748-935-104	Wave disc Ø 560 instead of standard disc Ø 560 mm - per disc
748-935-072	Slurry injector to mount on the Multidisc XLH Rollers other model

# Multidisc XXL

The **Multidisc XXL** is a fixed disc harrow with discs measuring 610 mm in diameter and a row distance of 115 cm. Available in working widths of 3.0 m up to 4.5 m. The disc elements are bent and have a thickness of 25 mm, to ensure extra toughness while allowing stones through. Alternatively, corrugated discs (Wave discs) can be mounted to ensure improved cutting in the front row, for example if a lot of crop residues have been left behind, such as after harvesting thresh maize or field fertilizer.

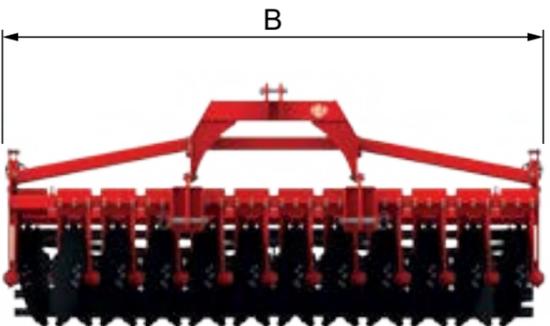
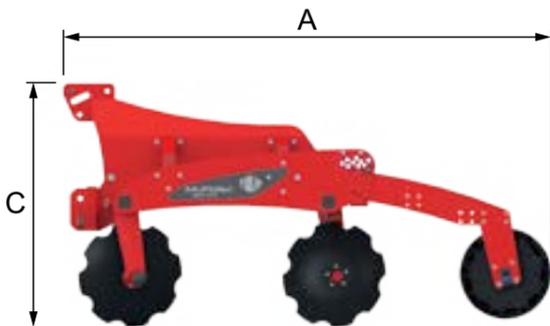
The **Multidisc XXL** will work the soil even deeper and more aggressively than the Multidisc XL. In addition, the machine frame will allow more material through. It is the ideal machine for cattle and crop farmers who want to perform intensive stubble work in case of a very high concentration of crop residues and under extreme circumstances. It is the most robust machine of the Multidisc range.



Standard, the **Multidisc XXL** is equipped with maintenance free bearings.



<b>Multidisc XXL</b>		<b>300 XXL</b>	<b>350 XXL</b>	<b>400 XXL</b>	<b>450 XXL</b>
Working width	m	3	3,5	4	4,5
Length (A)	mm	2780	2780	2780	2780
Width (B)	mm	3000	3500	4000	4500
Height (C)	mm	1485	1485	1485	1485
Crumbler roller	ø mm	520	520	520	520
Number of discs		22	26	30	34
Min./max. power	hp	110/150	125/180	145/210	170/230
Weight with CR/PR 500	kg	1520/1800	1690/2015	1860/2230	2050/2445





Suspension à barre de torsion des disques



779-935-003-010



779-935-069-...



779-935-083-001



779-935-050-...



779-935-089

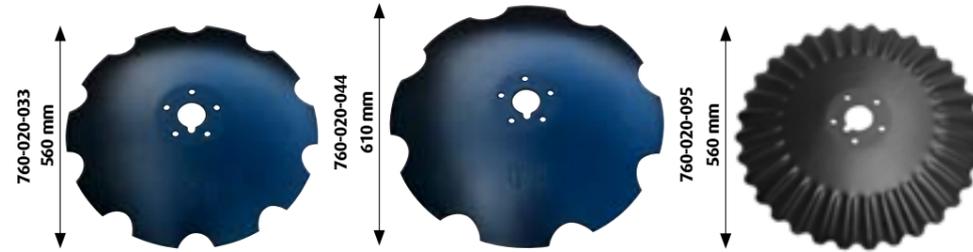


779-935-064-001



779-935-083-001

Article number	Spare parts for Multidisc
760-020-033	Disc Ø 560x5 mm 5 holes serrated
760-020-044	Disc Ø 610x6 mm 5 holes serrated
760-020-063	Disc Ø 560x5 mm 5 holes serrated economy model
760-020-095	Wave disc Ø 560x5 mm 5 holes serrated



Sharpened discs

## Standard specification

- 2 Rows of large discs made out of hardened steel Ø 610 mm
- Gang spacing 115 cm
- Maintenance free bearings
- Torsion bar suspension by means of triangular rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock
- Linkage cat. II and III
- Depth control by means of the floating system with crumbler roller Ø 520 mm
- Support beams for high stability
- Three point hitch XXL model 2015 standard from Multidisc 350 XXL

## Special benefits

- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the extra large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.
- The floating system: if necessary the Multidisc disc harrow can break out upwards independently from the roller. The roller continues to follow the ground.

## Further explanation accessories

- Hydraulic roller adjustment: two cylinders, which make it possible to adjust the roller by using the tractor hydraulics.
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width.
- Set soil deflector discs right: set of 2 adjustable side-discs. The first disc keeps the soil stream inside the working width. The second disc has an equalizing function.
- "Junior trailing kit": transport kit of which the beam is mounted on the front of three point hitch and the foldable wheel gear is mounted at the back of the three point hitch.

## Differences Multidisc XXL / Multidisc XL

- Discs Ø 610 mm instead of Ø 560 mm with larger disc arms
- Gang spacing 115 cm instead of 100 cm
- Extra rigid frame resistant to higher powers

Article number	Description
779-300	Multidisc 300 XXL
779-350	Multidisc 350 XXL
779-400	Multidisc 400 XXL
779-450	Multidisc 450 XXL

Accessories	
779-935-032-001	Deduction non-delivery crumbler roller Ø 520 mm 300 XXL, stabilization beam, bearing plates and bearings
779-935-032-006	Deduction non-delivery crumbler roller Ø 520 mm 350 XXL, stabilization beam, bearing plates and bearings
779-935-032-002	Deduction non-delivery crumbler roller Ø 520 mm 400 XXL, stabilization beam, bearing plates and bearings
779-935-032-007	Deduction non-delivery crumbler roller Ø 520 mm 450 XXL, stabilization beam, bearing plates and bearings
779-935-050-001	Packer roller Ø 500 mm 300 XXL instead of crumbler roller Ø 520 mm
779-935-050-006	Packer roller Ø 500 mm 350 XXL instead of crumbler roller Ø 520 mm
779-935-050-002	Packer roller Ø 500 mm 400 XXL instead of crumbler roller Ø 520 mm
779-935-050-007	Packer roller Ø 500 mm 450 XXL instead of crumbler roller Ø 520 mm
779-935-051-001	Packer roller Ø 600 mm 300 XXL instead of crumbler roller Ø 520 mm
779-935-051-006	Packer roller Ø 600 mm 350 XXL instead of crumbler roller Ø 520 mm
779-935-051-002	Packer roller Ø 600 mm 400 XXL instead of crumbler roller Ø 520 mm
779-935-051-007	Packer roller Ø 600 mm 450 XXL instead of crumbler roller Ø 520 mm
779-935-086-001	Crumbler roller V-shape Ø 640 mm 300 XXL instead of crumbler roller Ø 520 mm
779-935-086-006	Crumbler roller V-shape Ø 640 mm 350 XXL instead of crumbler roller Ø 520 mm
779-935-086-002	Crumbler roller V-shape Ø 640 mm 400 XXL instead of crumbler roller Ø 520 mm
779-935-053-001	Ring roller Ø 600 mm 300 XXL instead of crumbler roller Ø 520 mm
779-935-053-006	Ring roller Ø 600 mm 350 XXL instead of crumbler roller Ø 520 mm
779-935-053-002	Ring roller Ø 600 mm 400 XXL instead of crumbler roller Ø 520 mm
779-935-053-007	Ring roller Ø 600 mm 450 XXL instead of crumbler roller Ø 520 mm
779-935-078-002	Double crumbler roller Ø 520/440 mm 400 XXL instead of crumbler roller Ø 520 mm
779-935-078-003	Double crumbler roller Ø 520/440 mm 450 XXL instead of crumbler roller Ø 520 mm
779-935-082-001	Double ring roller Ø 600 mm 300 XXL instead of crumbler roller Ø 520 mm
779-935-082-006	Double ring roller Ø 600 mm 350 XXL instead of crumbler roller Ø 520 mm
779-935-115-001	DD roller Ø 600 mm 300 XXL instead of crumbler roller Ø 520 mm
779-935-115-006	DD roller Ø 600 mm 350 XXL instead of crumbler roller Ø 520 mm
779-935-115-002	DD roller Ø 600 mm 400 XXL instead of crumbler roller Ø 520 mm
779-935-089	Hydraulic roller adjustment
779-935-069-001	Straw harrow 300 XXL behind the last row of discs
779-935-069-011	Straw harrow 350 XXL behind the last row of discs
779-935-069-002	Straw harrow 400 XXL behind the last row of discs
779-935-069-016	Straw harrow 450 XXL behind the last row of discs
779-935-003-002	Soil deflector plate right (hand-model)
779-935-003-010	Soil deflector plate right
779-935-003-005	Set soil deflector discs right
779-935-064-001	LED lighting set with signalling boards at the back
779-935-004-001	Weight box
779-935-097	Three point hitch XXL model 2015 (prepared for "Junior trailing kit")
779-935-083-001	Foldable under-carriage with hydr. adjustable draw bar "Junior trailing kit", see pages 52-53
779-935-086	Lower price discs Ø 560 instead of Ø 610 mm (with conservation of XXL elements) - per disc
779-935-105	Wave disc Ø 560 instead of standard disc Ø 610 mm Rollers other model

# Multidisc XXLH

The **Multidisc XXLH** is a foldable disc harrow with discs measuring 610 mm in diameter and a row distance of 115 cm. Available in working widths of 4.0 m up to 12.5 m. When folded, the machine remains within the regulatory transport width. Folded out, it will nicely follow the ground for perfect results.

Each disc harrow in the XXLH series (with the exception of the 10-m and 12-m machines) can be equipped with a Junior / Senior transport trailer for road transport. Alternatively, corrugated discs (Wave discs) can be mounted to ensure improved cutting in the front row, for example if a lot of crop residues have been left behind, such as after harvesting thresh maize or field fertilizer.

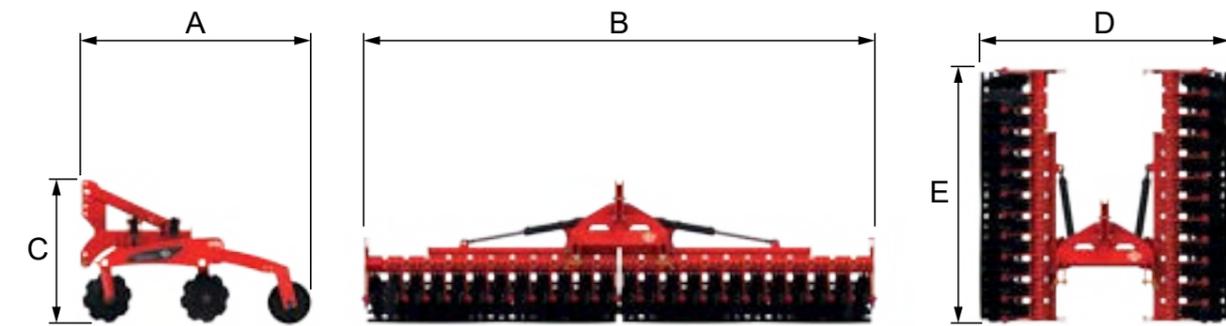
The **Multidisc XXLH** will work the soil even deeper and more aggressively than the Multidisc XLH. In addition, the machine frame will allow more material through. It is the ideal machine for cattle and crop farmers who want to perform intensive stubble work in case of a very high concentration of crop residues and under extreme circumstances. It is the most robust machine of the (foldable) Multidisc range.



Standard, the **Multidisc XXLH** is equipped with maintenance free bearings.



<b>Multidisc XXLH</b>		<b>400 XXLH</b>	<b>450 XXLH</b>	<b>500 XXLH</b>	<b>600 XXLH</b>	<b>700 XXLH</b>	<b>850 XXLH</b>	<b>950 XXLH</b>
Working width	m	4	4,5	5	6	7	8,5	9,5
Length (A)	mm	2580	2580	2580	2580	2580	2640	2640
Total width (B)	mm	4000	4500	5000	6000	7000	8500	9500
Height (C)	mm	1460	1460	1460	1460	1460	2375	2375
Width folded (D)	mm	2920	2920	2920	2920	2920	3490	3490
Height folded (E)	mm	2000	2300	2500	3000	3500	3200	3700
Crumbler roller	ø mm	520	520	520	520	520	520	520
Number of discs		30	34	38	46	54	66	74
Min./max. power	hp	145/210	170/230	180/260	220/310	260/370	300/450	340/550
Weight with CR/PR 500	kg	2550/2820	2700/2910	2850/3000	3150/3260	3450/3590	3800/---	4000/---





Suspension à barre de torsion des disques



749-935-054-...



749-935-003-010



749-935-083-002



749-935-052-...



749-935-003-005

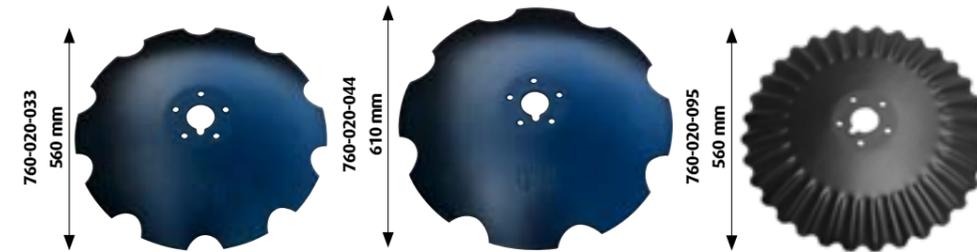


749-935-069-...



749-935-064-002

Article number	Spare parts for Multidisc
760-020-033	Disc Ø 560x5 mm 5 holes serrated
760-020-044	Disc Ø 610x6 mm 5 holes serrated
760-020-063	Disc Ø 560x5 mm 5 holes serrated economy model
760-020-095	Wave disc Ø 560x5 mm 5 holes serrated



Sharpened discs

## Standard specification

- 2 Rows of large discs made out of hardened steel Ø 610 mm
- Gang spacing 115 cm
- Maintenance free bearings
- Torsion bar suspension by means of triangular rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock
- Linkage cat. III/Quick hitch
- Hydraulically foldable for road transport
- Hydraulic unlocking device
- Depth control by means of the floating system with crumbler roller Ø 520 mm

## Special benefits

- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the extra large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.
- The floating system: if necessary the Multidisc disc harrow can break out upwards independently from the roller. The roller continues to follow the ground.
- Transport width less than 3 meters: uncomplicated road transport. The folded sections of the machine are secured by locking pins.

## Further explanation accessories

- Hydraulic roller adjustment: two cylinders, which make it possible to adjust the roller by using the tractor hydraulics.
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width.
- Set soil deflector discs right: set of 2 adjustable side-discs. The first disc keeps the soil stream inside the working width. The second disc has an equalizing function.
- "Junior/senior trailing kit": transport kit of which the beam is mounted on the front of three point hitch and the foldable wheel gear is mounted at the back of the three point hitch.

## Differences Multidisc XXLH / Multidisc XLH

- Discs Ø 610 mm instead of Ø 560 mm with larger disc arms
- Gang spacing 115 cm instead of 100 mm
- Extra rigid frame resistant to higher powers

Article number	Description
749-400	Multidisc 400 XXLH
749-450	Multidisc 450 XXLH
749-500	Multidisc 500 XXLH
749-600	Multidisc 600 XXLH
749-700	Multidisc 700 XXLH
749-850	Multidisc 850 XXLH
749-950	Multidisc 950 XXLH

Accessories	
749-935-033-...	Deduction non-delivery crumbler roller, stabilization beam, bearing plates and bearings standard combination
749-935-052-001	Packer roller Ø 500 mm 400 XXLH instead of crumbler roller Ø 520 mm
749-935-052-002	Packer roller Ø 500 mm 450 XXLH instead of crumbler roller Ø 520 mm
749-935-052-003	Packer roller Ø 500 mm 500 XXLH instead of crumbler roller Ø 520 mm
749-935-052-004	Packer roller Ø 500 mm 600 XXLH instead of crumbler roller Ø 520 mm
749-935-052-013	Packer roller Ø 500 mm 700 XXLH instead of crumbler roller Ø 520 mm
749-935-055-001	Packer roller Ø 600 mm 400 XXLH instead of crumbler roller Ø 520 mm
749-935-055-002	Packer roller Ø 600 mm 450 XXLH instead of crumbler roller Ø 520 mm
749-935-055-003	Packer roller Ø 600 mm 500 XXLH instead of crumbler roller Ø 520 mm
749-935-055-004	Packer roller Ø 600 mm 600 XXLH instead of crumbler roller Ø 520 mm
749-935-055-013	Packer roller Ø 600 mm 700 XXLH instead of crumbler roller Ø 520 mm
749-935-055-015	Packer roller Ø 600 mm 850 XXLH instead of crumbler roller Ø 520 mm
749-935-055-016	Packer roller Ø 600 mm 950 XXLH instead of crumbler roller Ø 520 mm
749-935-087-003	Crumbler roller V-shape Ø 640 mm 500 XXLH instead of crumbler roller Ø 520 mm
749-935-087-004	Crumbler roller V-shape Ø 640 mm 600 XXLH instead of crumbler roller Ø 520 mm
749-935-054-001	Ring roller Ø 600 mm 400 XXLH instead of crumbler roller Ø 520 mm
749-935-054-002	Ring roller Ø 600 mm 450 XXLH instead of crumbler roller Ø 520 mm
749-935-054-003	Ring roller Ø 600 mm 500 XXLH instead of crumbler roller Ø 520 mm
749-935-054-004	Ring roller Ø 600 mm 600 XXLH instead of crumbler roller Ø 520 mm
749-935-054-013	Ring roller Ø 600 mm 700 XXLH instead of crumbler roller Ø 520 mm
749-935-054-015	Ring roller Ø 600 mm 850 XXLH instead of crumbler roller Ø 520 mm
749-935-054-016	Ring roller Ø 600 mm 950 XXLH instead of crumbler roller Ø 520 mm
749-935-117-001	DD roller Ø 600 mm 400 XXLH instead of crumbler roller Ø 520 mm
749-935-117-003	DD roller Ø 600 mm 500 XXLH instead of crumbler roller Ø 520 mm
749-935-117-004	DD roller Ø 600 mm 600 XXLH instead of crumbler roller Ø 520 mm
749-935-089	Hydraulic roller adjustment
749-935-069-003	Straw harrow 400 XXLH behind the last row of discs
749-935-069-004	Straw harrow 450 XXLH behind the last row of discs
749-935-069-005	Straw harrow 500 XXLH behind the last row of discs
749-935-069-006	Straw harrow 600 XXLH behind the last row of discs
749-935-069-017	Straw harrow 700 XXLH behind the last row of discs
749-935-069-019	Straw harrow 850 XXLH behind the last row of discs
749-935-069-020	Straw harrow 950 XXLH behind the last row of discs
749-935-003-002	Soil deflector plate right (hand-model)
749-935-003-010	Soil deflector plate right
749-935-003-005	Set soil deflector discs right
749-935-064-002	LED lighting set with signalling boards at the front and at the back
749-935-074	Depth control wheels in front
749-935-083-001	Foldable under-carriage with hydr. adjustable draw bar "Junior trailing kit" up to 700 XXLH (pages 52-53)
749-935-083-002	Foldable under-carriage with hydr. adjustable draw bar "Senior trailing kit" 850/950 XXLH (pages 52-53)
749-935-086	Lower price discs Ø 560 instead of Ø 610 mm (with conservation of XXL elements) - per disc
749-935-105	Wave disc Ø 560 instead of standard disc Ø 610 mm
	Rollers other model



Trailing Kit		Junior
Weight	kg	1000
Number of wings		2



Trailing Kit		Senior
Weight	kg	1500
Number of wings		3



...-935-064-002



## Junior Trailing Kit

### Standard specification

- Foldable transporter with hydraulically adjustable draw bar
- The draw bar is mounted to the headstock on three points
- The foldable transporter is mounted at the back of the headstock with two big flanges
- Stable frame for road transport
- Quick lift at the headland

- Different positions possible due to the cylinder clips
- Machine is lifted / lowered in balance because of the sequence valve
- Can be mounted easily to three-point hitched machines
- Only possible on foldable machines till 7 m width
- Equipped with tires 19.0/45x17 (other tires on demand)
- Optional with hydraulic or pneumatic brake axle

## Senior Trailing Kit

### Standard specification

- Foldable transporter with hydraulically adjustable draw bar
- The draw bar is mounted to the headstock on three points
- The foldable transporter is mounted at the back of the headstock with two big oversized flanges
- Reinforced frame for comfortable roadtransport
- Quick lift at the headland
- Different positions possible due to the cylinder clips

- Machine is lifted / lowered in balance because of the sequence valve
- Can be mounted easily to three-point hitched machines
- Only possible on foldable machines from 8.00 till 9.50 m width
- Equipped with tires 550/60x22.5 (other tires on demand)
- Optional with hydraulic or pneumatic brake axle

Article number	Description
...-935-083-001	Junior trailing kit
...-935-083-002	Senior trailing kit
<b>Accessories Junior/Senior trailing kit</b>	
...-935-064-002	LED lighting set with signalling boards at the front and at the back
...-935-075-001	2-Point lower linkage attachment cat. 3 instead of drawbar eye
...-935-075-002	2-Point lower linkage attachment cat. 4 instead of drawbar eye
...-935-091	Hydraulically braked axle instead of unbraked axle
...-935-092	Air braked axle instead of unbraked axle
...-935-093	Hydraulic support
...-935-094-001	Extension of the drawbar (when double wheels mounted) for "Junior trailing kit"
...-935-094-002	Extension of the drawbar (when double wheels mounted) for "Senior trailing kit"
...-935-095-001	Extension of the wheel kit (with double crumbler roller or straw harrow) for "Junior trailing kit"
...-935-095-002	Extension of the wheel kit (with double crumbler roller or straw harrow) for "Senior trailing kit"

# Multidisc XL Vario-S

The **Multidisc XL Vario-S** is a fixed disc harrow with discs measuring 560 mm in diameter and a row distance of 140 cm. Available in working widths of 2.5 m up to 5.0 m. The Multidisc XL Vario-S is a 2-in-1 machine: it has hydraulically folding subsoiler tines, allowing the machine to be used for both stubble work and deeper processing. Each tine has individual stone protection with an accumulator. The pressure can be set centrally, whereby the tines must fold away.

Alternatively, corrugated discs (Wave discs) can be mounted to ensure improved cutting in the front row, for example if a lot of crop residues have been left behind, such as after harvesting thresh maize or field fertilizer.

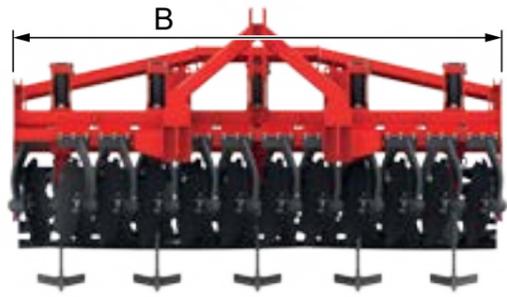
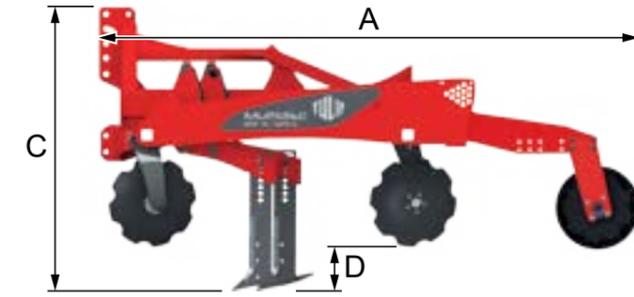
The **Multidisc XL Vario-S** is the ideal machine for non-curving soil preparation. Thanks to this machine, you will be able to prepare the soil for seeding in a single work session. The Multidisc Vario-S is simply expanded with our Polymat Compact 8 seed drill. This way, you will be able to prepare the soil for seeding and sow during the same work session. It is an extremely robust machine that can be used under any circumstances.



Standard, the **Multidisc XL Vario-S** is equipped with maintenance free bearings.



<b>Multidisc XL Vario-S</b>		<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>
Working width	m	2,5	3	3,5	4
Length (A)	mm	3200	3200	3200	3200
Width (B)	mm	2490	2990	3490	3990
Height (C)	mm	1480	1480	1480	1480
Depth tines (D)	mm	280	280	280	280
Crumbler roller	ø mm	520	520	520	520
Number of discs		18	22	26	30
Number of tines		4	5	6	7
Min./max. power	hp	115/210	150/280	170/310	200/380
Weight with CR/PR 500	kg	2120/2150	2420/2475	2690/2765	2990/3095





792-935-086-...



792-935-053-...



792-935-003-004



792-935-115-...



792-935-051-...

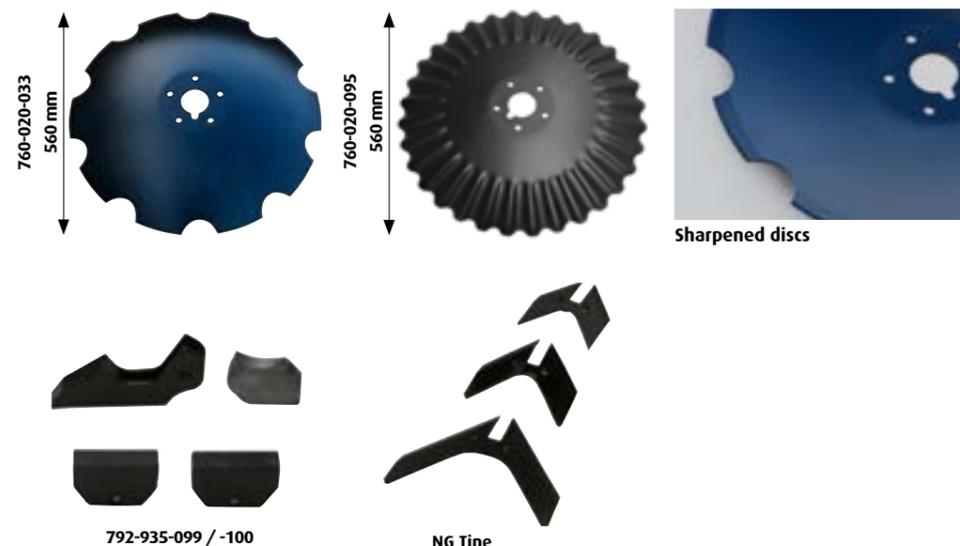


NG dent V4



Standard dent

Article number	Spare parts for Multidisc
760-020-033	Disc Ø 560x5 mm 5 holes serrated
760-020-058	Disc Ø 560x6 mm 5 holes serrated XL Vario-S
760-020-063	Disc Ø 560x5 mm 5 holes serrated economy model
760-020-095	Wave disc Ø 560x5 mm 5 holes serrated
760-020-073	Tine complete V4 with high wing



Sharpened discs

792-935-099 / -100

NG Tine

## Standard specification

- Integrated subsoiler tines with hydraulic stone protection per leg
- 2 Rows of large discs made out of hardened steel Ø 560 mm
- Replaceable tine points, shins and wings; 6 models of wings available
- Maintenance free bearings
- Torsion bar suspension by means of triangular rubbers for a maximum freedom of movement of every disc separately
- Stable, powder coated frame with robust headstock, prepared for the assembly of a Tulip seed drill
- Up to 350 XL Vario-S: linkage cat. III
- Up from 400 XL Vario-S: linkage cat. III/IV
- Depth control by means of the floating system with crumbler roller Ø 520 mm

## Special benefits

- Tillage of the upper soil layer and deep cultivation in one pass
- Extra strong box section on which the tine holders are fixated. By folding the legs you can turn the machine into a normal disc harrow
- The tines are individually adjustable in both height and width. So it's possible to position a tine right in the wheel track of the tractor and to set it a little deeper than the other tines. Or just mount 2 tines and use them only in the tram lines.
- Depth of tines: from 2 up to 24 cm under the discs. So both shallow and deep tine settings are possible.
- Non-stop operation: if necessary the tines can break out upwards. The discs and roller continue to follow the ground. Afterwards the leg is automatically pushed back into the soil. The sensitivity is adjustable.
- Hardened steel discs, solid side fastening with 5 bolts 10.9, simply accessible.
- The aggressive action of the serrated discs and the extra large distance between the rows of discs give an ideal mulching and mixing result of crop residue or green cover crops.
- Perfectly closed bearings which makes greasing unnecessary.

## Further explanation accessories

- The packer roller Ø 500 mm and the packer roller Ø 600 mm are in combination with this heavy machine only suited for heavy, non sticky soil.
- Hydraulic roller adjustment: two cylinders who fold up the roller so that the point of gravity comes closer to the tractor
- Straw harrow: is mounted behind the last row of discs and assures an improved coverage of crop residue. The height and angle are adjustable.
- Soil deflector plate right: a ground following side plate which keeps the soil stream inside the working width. Transport width increases with 7 cm.

Article number	Description
792-250-003	Multidisc 250 XL Vario-S
792-300-003	Multidisc 300 XL Vario-S
792-350-003	Multidisc 350 XL Vario-S
792-400-003	Multidisc 400 XL Vario-S
	Multidisc 400 / 500 XLHT Vario-S
	<b>Accessories</b>
792-935-032-004	Deduction non-delivery crumbler roller Ø 520 mm 250 XL Vario-S, stabilization beam, bearing plates and bearings
792-935-032-001	Deduction non-delivery crumbler roller Ø 520 mm 300 XL Vario-S, stabilization beam, bearing plates and bearings
792-935-032-006	Deduction non-delivery crumbler roller Ø 520 mm 350 XL Vario-S, stabilization beam, bearing plates and bearings
792-935-032-002	Deduction non-delivery crumbler roller Ø 520 mm 400 XL Vario-S, stabilization beam, bearing plates and bearings
792-935-078-001	Double crumbler roller Ø 520 / Ø 440 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-078-006	Double crumbler roller Ø 520 / Ø 440 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-078-002	Double crumbler roller Ø 520 / Ø 440 mm 400 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-050-004	Packer roller Ø 500 mm 250 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-050-001	Packer roller Ø 500 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-050-006	Packer roller Ø 500 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-050-002	Packer roller Ø 500 mm 400 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-051-004	Packer roller Ø 600 mm 250 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-051-001	Packer roller Ø 600 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-051-006	Packer roller Ø 600 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-051-002	Packer roller Ø 600 mm 400 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-086-004	Crumbler roller V-shape Ø 640 mm 250 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-086-001	Crumbler roller V-shape Ø 640 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-086-006	Crumbler roller V-shape Ø 640 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-086-002	Crumbler roller V-shape Ø 640 mm 400 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-053-004	Ring roller Ø 600 mm 250 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-053-001	Ring roller Ø 600 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-053-006	Ring roller Ø 600 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-053-002	Ring roller Ø 600 mm 400 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-082-001	Double ring roller Ø 600 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-082-006	Double ring roller Ø 600 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-115-004	DD roller Ø 600 mm 250 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-115-001	DD roller Ø 600 mm 300 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-115-006	DD roller Ø 600 mm 350 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-115-002	DD roller Ø 600 mm 400 XL Vario-S instead of crumbler roller Ø 520 mm
792-935-098	Hydraulic roller lift
792-935-069-009	Straw harrow 250 XL Vario-S behind the last row of discs
792-935-069-001	Straw harrow 300 XL Vario-S behind the last row of discs
792-935-069-011	Straw harrow 350 XL Vario-S behind the last row of discs
792-935-069-002	Straw harrow 400 XL Vario-S behind the last row of discs
792-935-003-002	Soil deflector plate right (hand-model)
792-935-003-004	Soil deflector plate right
792-935-003-005	Set soil deflector discs right
792-935-067	Deduction for delivery 2 subsoiler tines less
792-935-090	Tines New Generation instead of standard tines - per tine
792-935-103	Points covered with Tungsten Carbide - per point
792-935-099	New Generation narrow shin with Tungsten Carbide
792-935-100-001	New Generation wide shin with Tungsten Carbide
792-935-064-001	LED lighting set with signalling boards at the back
792-935-083-001	Foldable transporter "Junior trailing kit"
792-935-104	Wave disc Ø 560 instead of standard disc Ø 560 mm - per disc

The **Multidisc ViniVario-S** is a disc harrow that's extremely suitable for wine production. Its discs are 560 mm in diameter with a row distance of 130 cm. The machine has a working width of 1.6 m and is equipped with hydraulic adjustable subsoiler tines. The middle subsoiler tine can be set deeper, to max. 258 mm, so it cuts the roots that run through the middle. This forces plants to search deeper for moisture, making them more resistant to drought.

The tines can be adjusted sideways, so they can be set to the width of your choice. The **Multidisc ViniVario-S** can also combat weeds between the rows and create a water and air channel, which protects the often sloped vineyards against erosion. It's unique in this regard.

The soil deflector plates on the machine keep the soil stream neatly within the working width. The ViniVario-S is equipped with a foldable roller as standard, so the turning circle is kept to a minimum. And the machine weighs 1105 kg, making it very manageable for vineyard tractors.

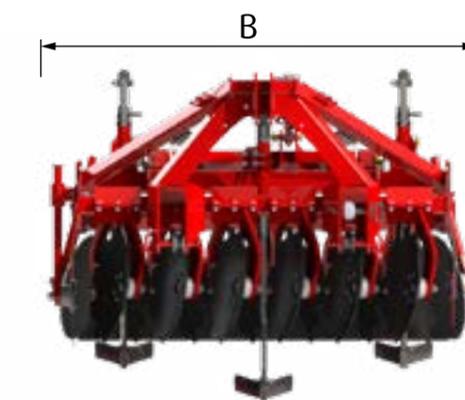
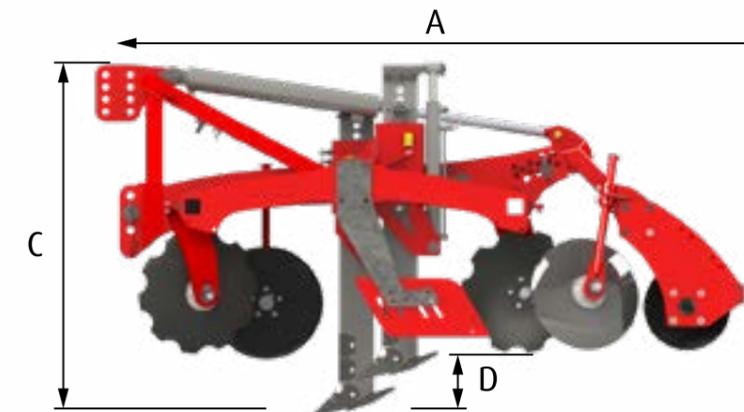


Standard, the **Multidisc ViniVario-S** is equipped with maintenance free bearings.



## Standard specification

- 3 Hydraulic adjustable subsoiler tines with replacement parts
- Maintenance-free bearings
- Rubber suspended disc elements
- Robust frame, finished with powder coating
- Soil deflectors
- Smooth pressure roller diam. 356 mm, hydraulic foldable



Article number	Description
792-160-003	Multidisc 160 ViniVario-S
<b>Accessories</b>	
792-935-116	Packer roller instead of smooth pressure roller Ø 356 mm
792-935-103	Points covered with Tungsten Carbide - per point
792-935-100-002	New Generation wide shin with Tungsten Carbide

<b>Multidisc ViniVario-S</b>		<b>160</b>
Working width	m	1,6
Length (A)	mm	2520
Width (B)	mm	1644
Height (C)	mm	1429
Depth tines (D)	mm	258
Number of discs		12
Number of tines		3
Min./max. power	hp	65/110
Weight	kg	1105

# Tine harrows and subsoilers

The Tulip tine harrows can be adjusted for intensive stubble cultivation to prepare seedbeds. The Multivator uses its curved tines to provide an excellent mixing effect, so intensive stubble cultivation is possible even with a high concentration of crop residues.

The Multiterra is extremely suitable for fine soil or seedbed preparation after ploughing or surface work immediately after harvesting. The sprung tines ensure optimal crumbling.

The TerraSub subsoiler is the ideal machine for breaking up soil density and disruptive layers. Its compact and very strong lifting equipment at the back, in combination with the wide shaft throughput, means the machine can be combined perfectly with other soil preparation machines, including our Roterra power harrow.



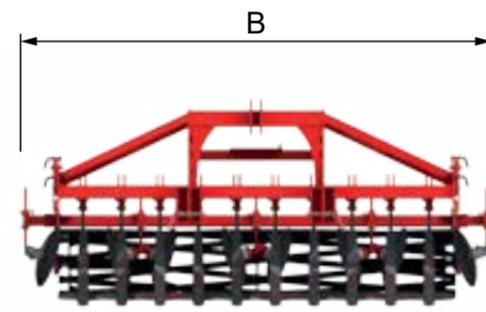
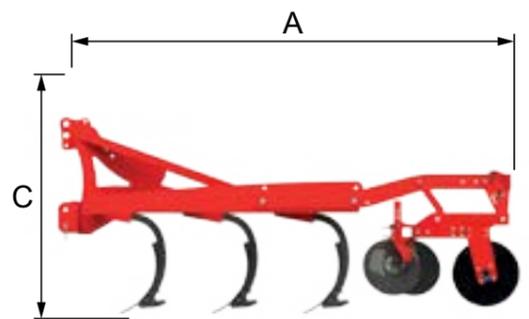
# Multivator

The **Multivator** is a fixed cultivator (available as a folding version upon request) with bent tines. It is a smoothly pulled machine with an excellent mixing effect. The shins are alternately directed to the left and to the right; this way, soil and crop residues are taken away and put down along the side. The position of the wing tines can be adjusted to 3 different positions. As standard, each tine has been provided with a shear bolt protection; optionally, you may choose for a stone protection by means of a double spring. The hollow discs at the back guarantee perfect mixing.

The **Multivator** is an ideal machine for cattle and crop farmers who want to perform intensive stubble work in case of a high concentration of crop residues.



Multivator		250-2	250-3	300-2	300-3	350-2	350-3	400-2	400-3
Working width	m	2,5	2,5	3	3	3,5	3,5	4	4
Length (A)	mm	3200	3800	3200	3800	3200	3800	3200	3800
Width (B)	mm	2500	2500	3000	3000	3500	3500	4000	4000
Height (C)	mm	1570	1570	1570	1570	1570	1570	1570	1570
Crumbler roller	ø mm	520	520	520	520	520	520	520	520
Number of discs		8	8	8	8	8	8	10	10
Number of tines		7	8	7	10	8	12	9	13
Min./max. power	hp	90/150	90/150	100/145	115/180	115/170	140/220	130/190	150/230
Weight with CR/RR	kg	1205/1415	1352/1562	1300/1460	1440/1600	1440/1650	1660/1835	1865/2135	2095/2380





Multivator dent à aile



780-936-001-...



Disques creux



780-936-008



Article number	Spare parts for Multivator
760-020-045	Tine black
760-020-046	Shin left
760-020-047	Shin right
760-020-050	Point 12 mm
760-020-049	Wing scissors left (18 cm)
760-020-048	Wing scissors right (18 cm)
760-020-059	Wing scissors left (22 cm)
760-020-060	Wing scissors right (22 cm)



## Standard specification

- 250/300/350/400-2: 2 rows of wing tines
- 250/300/350/400-3: 3 rows of wing tines
- 1 Row of double hollow discs Ø 460 mm with maintenance free bearings
- Crumbler roller Ø 520 mm which guarantees a levelling working in depth
- Robust headstock CAT II/III. Multivator 400-2 and -3: CAT III
- Frame 100x100x8 mm
- Frame height 80 cm

## Special benefits

- The curved shape of the tines decreases the required draft and has a positive effect on the mixing of the soil.
- The shins are alternating between a left and right angle. The result is that crop residues and soil don't keep rolling in front of the tine, but instead it is led to the side.
- Working depth between 5 and 30 cm: machine suitable for conventional tillage, but also for tillage of only the upper soil layer (mulching).
- The wing tines can be adjusted in three different positions (mechanical blockage) for an optimal tillage.
- Stone protection for the wing tine feet by means of a shear bolt.
- The double hollow discs guarantee a homogeneous mixture of crop residues and the tilled soil.
- The hollow discs are supplied with a quick adjustment system and maintenance free bearings.

## Point of attention

- The hollow discs have to be folded up before transport.

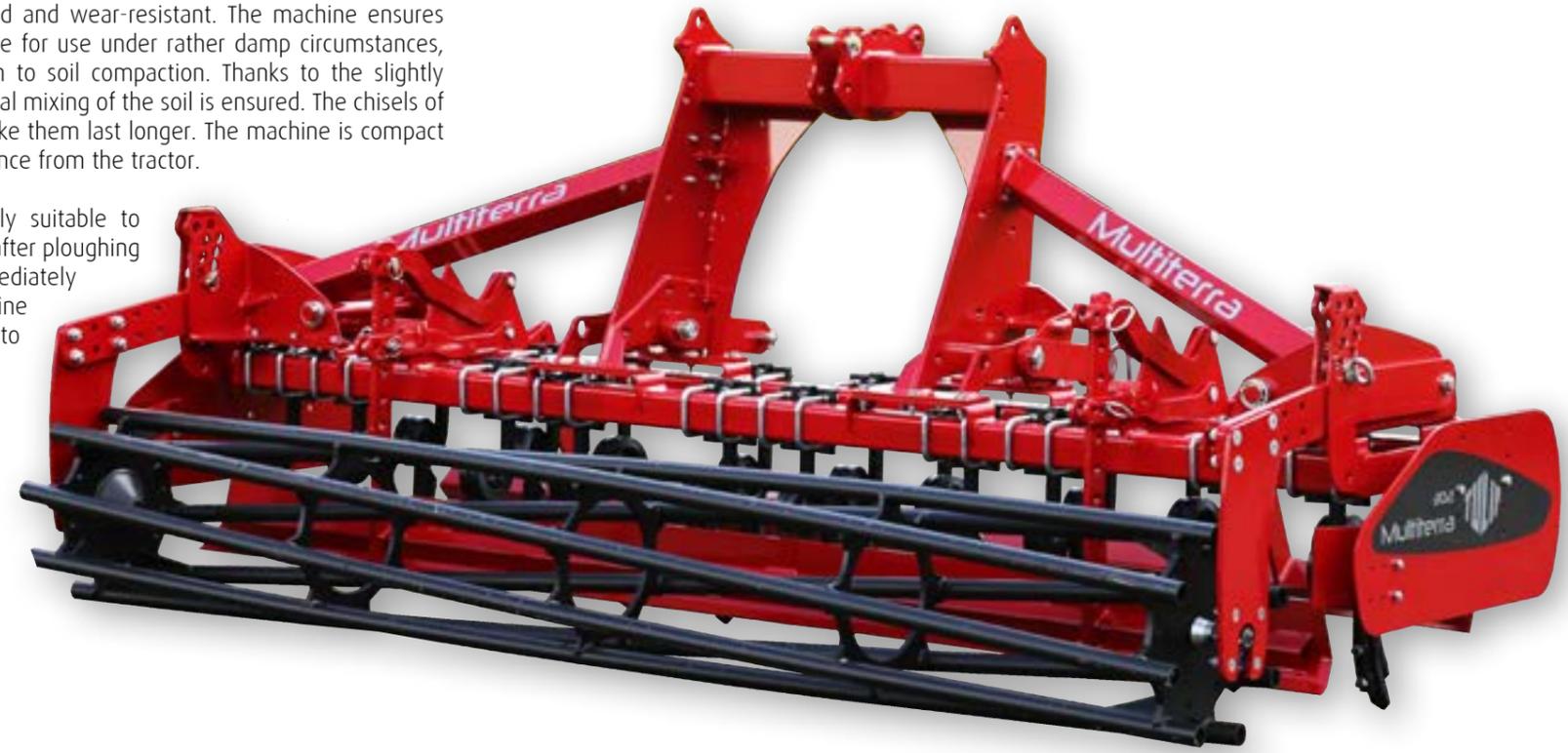
Article number	Description
782-250	Multivator 250-2
780-250	Multivator 250-3
782-300	Multivator 300-2
780-300	Multivator 300-3
782-350	Multivator 350-2
780-350	Multivator 350-3
782-400	Multivator 400-2
780-400	Multivator 400-3
	<b>Multivator 400/500/600/700-2 HT + -3 HT</b>
	<b>Accessories</b>
780-936-008	Stone protection with double springs instead of shear bolt - per tine
780-936-005	LED lighting set with signalling boards at the back
780-936-003-004	Deduction non-delivery crumbler roller Ø 520 mm 250, stabilization beam, bearing plates and bearings
780-936-003-001	Deduction non-delivery crumbler roller Ø 520 mm 300, stabilization beam, bearing plates and bearings
780-936-003-003	Deduction non-delivery crumbler roller Ø 520 mm 350, stabilization beam, bearing plates and bearings
780-936-003-002	Deduction non-delivery crumbler roller Ø 520 mm 400, stabilization beam, bearing plates and bearings
780-936-010-004	Crumbler roller V-shape Ø 640 mm 250 instead of crumbler roller Ø 520 mm
780-936-010-001	Crumbler roller V-shape Ø 640 mm 300 instead of crumbler roller Ø 520 mm
780-936-010-003	Crumbler roller V-shape Ø 640 mm 350 instead of crumbler roller Ø 520 mm
780-936-010-002	Crumbler roller V-shape Ø 640 mm 400 instead of crumbler roller Ø 520 mm
780-936-001-004	Ring roller Ø 600 mm 250 instead of crumbler roller Ø 520 mm
780-936-001-001	Ring roller Ø 600 mm 300 instead of crumbler roller Ø 520 mm
780-936-001-003	Ring roller Ø 600 mm 350 instead of crumbler roller Ø 520 mm
780-936-001-002	Ring roller Ø 600 mm 400 instead of crumbler roller Ø 520 mm
780-936-011-004	DD roller Ø 600 mm 250 instead of crumbler roller Ø 520 mm
780-936-011-001	DD roller Ø 600 mm 300 instead of crumbler roller Ø 520 mm
780-936-011-006	DD roller Ø 600 mm 350 instead of crumbler roller Ø 520 mm
780-936-011-002	DD roller Ø 600 mm 400 instead of crumbler roller Ø 520 mm
780-936-009-001	Double ring roller Ø 600 mm 300 instead of crumbler roller Ø 520 mm
780-936-009-003	Double ring roller Ø 600 mm 350 instead of crumbler roller Ø 520 mm
	Rollers other model



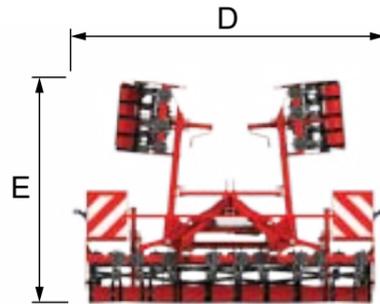
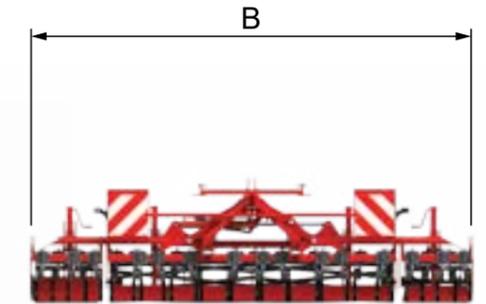
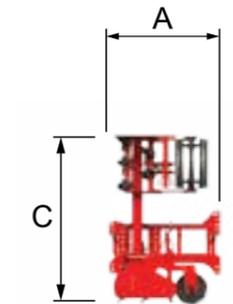
# Multiterra (H)

The **Multiterra (H)** is a harrow with fixed tines, available in lengths of up to 6.0 m (folding), which are suitable for tractors of 135 to 180 HP. The tines are positioned in two rows, are hardened and wear-resistant. The machine ensures perfect crumbling and is even suitable for use under rather damp circumstances, because it does not contribute much to soil compaction. Thanks to the slightly protruding position of the tines, an ideal mixing of the soil is ensured. The chisels of the tines can be turned around to make them last longer. The machine is compact and can be pulled within a short distance from the tractor.

The **Multiterra (H)** is ultimately suitable to work the soil or to prepare seedbeds after ploughing or to perform superficial work immediately after harvesting. It is the ideal machine for cattle and crop farmers who want to deliver high-quality work at low costs.



								
<b>Multiterra (H)</b>		<b>300</b>	<b>350</b>	<b>400</b>	<b>400 H</b>	<b>450 H</b>	<b>500 H</b>	<b>600 H</b>
Working width	m	3	3,5	4	4	4,5	5	6
Length (A)	mm	1660	1660	1660	1660	1519	1660	1660
Total width (B)	mm	3000	3500	4000	4000	4510	5000	6000
Height (C)	mm	1350	1350	1350	1350	1284	1350	1350
Width folded (D)	mm	--	--	--	2980	2994	2980	2980
Height folded (E)	mm	--	--	--	2000	2315	2500	3000
Crumbler roller	ø mm	440	440	520	440	440	440	440
Min./max. power	hp	85/135	90/140	100/150	100/150	100/150	115/165	130/180
Weight with CR/PR	kg	620/805	740/965	980/1110	1675/1875	1466/1726	2100/2385	2340/2630





715-933-008-...



715-933-015-...



715-933-021



715-933-023-...



715-933-025-001



715-933-002-...

## Standard specification

- 300/350: three point headstock with square support beams (80x80 mm)
- 400: heavy three point headstock with heavy duty square support beams (100x100 mm)
- 2 Rows with vertically adjustable spring tines
- 300/350/400 H/450 H/500 H/600 H: floating system with crumbler roller Ø 440 mm
- 400: floating system with crumbler roller Ø 520 mm
- Up from 400 H: hydraulically foldable for road transport
- Foldable soil deflectors, adjustable both horizontally and vertically

## Special benefits

- Due to the "double coil pigtail tines" unique spring characteristics and their position in respect of one another, the tines achieve a level, even seed bed. When operated at a relatively fast forward speed, the tines produce a "bow wave" of soil which is tumbled and fractured prior to being crumbled and rolled. The slightly curving tines ensure that the soil is effectively penetrated, whilst the subsoil is not lifted up. The position of the tines can be adjusted vertically in 3 steps of 30 cm to completely eliminate tractor wheel tracks.
- Working depth: between 4 and 12 cm.
- Distance between tines: 16 cm.
- Foldable floating soil deflector: working width = transport width.
- The floating system: if necessary, the Multiterrra tine harrow can break out upwards independently from the roller. This is eliminating the risk at stony soil. The roller continues to follow the ground.
- Reversible tine points: the tines incorporate a reversible wearing point for a prolonged life.
- Compact engineered: headstock and support frame suitable to mount secondary equipment like seed drills or planters, offers seeding or planting in one pass. In combination with the seed drill Polymat you get a very compact and efficient seed drill combination.
- Up from 400 H: transport width less than 3 meters: uncomplicated road transport. The folded sections of the machine are secured by locking pins.

## Point of attention

- For the Multiterrra 300 and 350 the heavy linkage of the 400 can be ordered if also the heavy headstock is ordered (article number 715-933-024).

Article number	Description
715-300	Multiterrra 300
715-350	Multiterrra 350
715-400	Multiterrra 400
716-400	Multiterrra 400 H
716-450	Multiterrra 450 H
716-500	Multiterrra 500 H
716-600	Multiterrra 600 H
<b>Accessories</b>	
715-933-010	Through connector Polymat
715-933-022-001	Mechanical linkage parts (max. 1200 kg) 300/350
715-933-022-002	Mechanical linkage parts (max. 1800 kg) 400
715-933-007-002	Hydraulic linkage 2 cylinders (max. 1700 kg) 300/350
715-933-007-003	Hydraulic linkage 2 cylinders (max. 2200 kg) 400
715-933-024	Heavy three point headstock incl. heavy duty square support beams for 300/350 (standard for 400)
715-933-008-001	Front levelling board 300
715-933-008-003	Front levelling board 350
715-933-008-002	Front levelling board 400
715-933-020-001	Sprung front levelling board 300
715-933-020-003	Sprung front levelling board 350
715-933-020-002	Sprung front levelling board 400
715-933-015-001	Rear levelling board 300
715-933-015-003	Rear levelling board 350
715-933-015-002	Rear levelling board 400
715-933-023-001	Spindle kit for rear levelling board 300/350
715-933-023-002	Spindle kit for rear levelling board 400
715-933-016-001	Deduction non-delivery crumbler roller Ø 440 mm 300, bearing plates and bearings
715-933-016-003	Deduction non-delivery crumbler roller Ø 440 mm 350, bearing plates and bearings
715-933-017-002	Deduction non-delivery crumbler roller Ø 520 mm 400, bearing plates and bearings
716-933-018-001	Deduction non-delivery crumbler roller Ø 440 mm 400 H, bearing plates and bearings
716-933-018-002	Deduction non-delivery crumbler roller Ø 440 mm 450 H, bearing plates and bearings
716-933-018-003	Deduction non-delivery crumbler roller Ø 440 mm 500 H, bearing plates and bearings
716-933-018-004	Deduction non-delivery crumbler roller Ø 440 mm 600 H, bearing plates and bearings
715-933-009	Extra rods for crumbler roller Ø 440 mm 300 + bolts
715-933-025-001	Crumbler roller V-shape Ø 440 mm 300 instead of crumbler roller Ø 440 mm
715-933-026-001	Crumbler roller Ø 520 mm 300 instead of crumbler roller Ø 440 mm
715-933-026-003	Crumbler roller Ø 520 mm 350 instead of crumbler roller Ø 440 mm
715-933-027-001	Crumbler roller Ø 520 mm 400 H instead of crumbler roller Ø 440 mm
715-933-027-002	Crumbler roller Ø 520 mm 450 H instead of crumbler roller Ø 440 mm
715-933-027-003	Crumbler roller Ø 520 mm 500 H instead of crumbler roller Ø 440 mm
715-933-027-004	Crumbler roller Ø 520 mm 600 H instead of crumbler roller Ø 440 mm
715-933-002-001	Packer roller Ø 430 mm 300 instead of crumbler roller Ø 440 mm
715-933-003-001	Packer roller Ø 500 mm 300 instead of crumbler roller Ø 440 mm
715-933-003-003	Packer roller Ø 500 mm 350 instead of crumbler roller Ø 440 mm
715-933-029-002	Packer roller Ø 500 mm 400 instead of crumbler roller Ø 520 mm
715-933-019-001	Packer roller Ø 500 mm 400 H instead of crumbler roller Ø 440 mm
715-933-019-002	Packer roller Ø 500 mm 450 H instead of crumbler roller Ø 440 mm
715-933-019-003	Packer roller Ø 500 mm 500 H instead of crumbler roller Ø 440 mm
715-933-019-004	Packer roller Ø 500 mm 600 H instead of crumbler roller Ø 440 mm
715-933-001-001	Star packer roller Ø 440 mm 300 instead of crumbler roller Ø 440 mm
715-933-021	LED lighting set with signalling boards at the back
	Subsoiler TerraSub (for Multiterrra 300/400), see pages 70-71
	Rubber rollers / rollers other model, see pages 106-107
	Dual-combinations

Heavy agricultural machinery increasingly causes soil compaction and inconvenient layers. To break through this soil compaction and substantially improve permeability and structure, we developed the **TerraSub**. This subsoiler can work the soil to a great depth; maximum working depth is 660 mm. Thanks to the different types of legs available, there is a perfect alternative for every soil type. The legs are protected by means of a shear bolt protection. The machine can be equipped with 4, 6 or 8 movable legs and has ample power take-off throughput.

The **TerraSub** is robust, yet very compact. The lifting equipment on the back (up to 3,000 kg) allows easy attachment of a second machine. The TerraSub is suitable for tractors up to 400 HP. The machine has a clearance of 1000 mm underneath the beam, minimising the risk of obstruction.

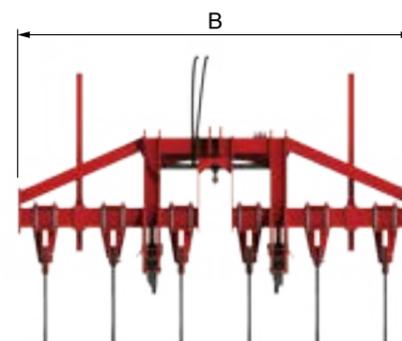
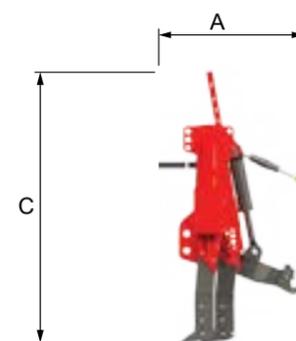


## Standard equipment

- Robust frame with Cat. III hitch
- Heavy duty hydraulic lift (capacity of 3 Ton on the linkage)
- New Generation straight legs with narrow shins covered with Tungsten Carbide
- Leg distance and amount of legs easy to adapt
- Shear bolt protection on the legs

Article number	Description
714-300-001	TerraSub 300-4
714-300-002	TerraSub 300-6
714-400-001	TerraSub 400-4
714-400-002	TerraSub 400-6
714-400-003	TerraSub 400-8
Accessories	
714-937-001	Bended legs instead of straight legs - per leg
714-937-002	LED lighting set with signalling boards at the back
714-937-003	Hydraulic plugs on the frame for use of a second machine with hydraulic functions - per function
714-937-004	Lower price mechanical lift instead of hydraulic lift
714-937-005	Deduction non-delivery heavy duty hydraulic lift
714-937-006	Crumbler roller V-shape Ø 640 mm in frame with 3 point linkage
714-937-007	Ball towing eye K80 mounted on top for e.g. plant machines
714-937-008	Ball towing eye K80 mounted on 3 point frame for e.g. plant machines
	Wide range of rollers

TerraSub						
Working width	m	3	3	4	4	4
Length (A)	mm	851	851	851	851	851
Width (B)	mm	2900	2900	3900	3900	3900
Height (C)	mm	1592	1592	1592	1592	1592
Number of tines		4	6	4	6	8
Weight	kg	820	920	1150	1250	1350





Entrainement par pignons



741-934-001-...



RTU avec entrainement latéral par pignons



## Rotarytiller RTW

- Linkages points cat. II
- Skids for depth adjustment
- Side chain drive
- 105-20/125-20 4 blades per flange, 145-20/165-20 6 blades per flange
- Single speed gear box
- Suitable for 540 rpm
- PTO (1 3/8" - 6 splines at tractor side)
- Levelling board
- CE safety guard

### Special benefits

- The side blades are always mounted outwards and achieve a level, even seed bed.
- The linkage points are movable.
- Max. working depth 15 cm.

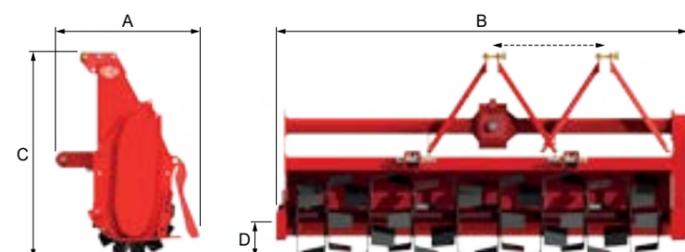
## Rotarytiller RTU

- Rigid three point hitch
- Movable linkages points cat. II
- Skids for depth adjustment
- Side gears drive
- 6 Blades per flange
- 4 Speed gear box
- Suitable for 540 rpm
- PTO shaft with slip clutch (1 3/8" - 6 splines at tractor side)
- Levelling board with chain
- CE safety guard

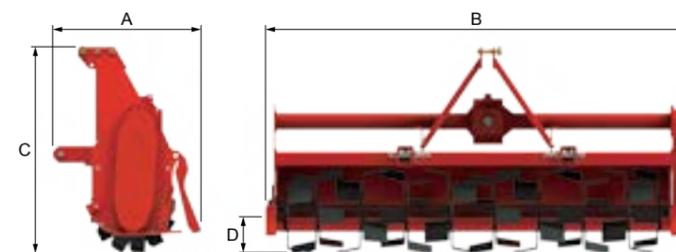
### Special benefits

- The side blades are always mounted inwards and achieve a level, even seed bed.
- The three point hitch has adjustable suspension points below.
- Max. working depth 20 cm.

Rotarytiller RTW		105-20	125-20	145-20	165-20
Working width	m	1	1,2	1,4	1,6
Length (A)	mm	760	760	760	760
Total width (B)	mm	1140	1390	1570	1820
Height (C)	mm	935	935	935	935
Depth (D)	mm	150	150	150	150
Number of flanges		5	6	7	8
Min power	hp	15	20	25	30
Max. power	hp	25	30	35	40
Weight	kg	160	190	220	240



Rotarytiller RTU		180-30	205-30	220-30
Working width	m	1,8	2	2,2
Length (A)	mm	857	857	857
Total width (B)	mm	1960	2210	2360
Height (C)	mm	1074	1074	1074
Depth (D)	mm	200	200	200
Number of flanges		7	8	9
Min power	hp	50	60	60
Max. power	hp	70	80	85
Weight	kg	470	510	530



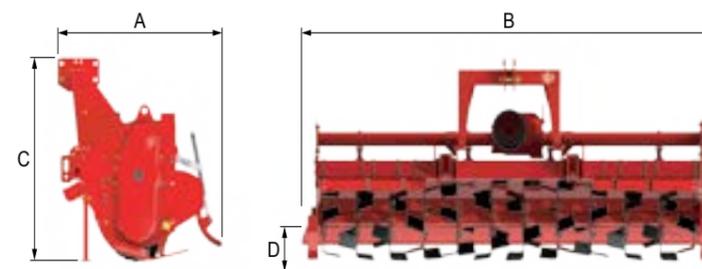
Article number	Description
742-105	RTW 105-20
742-125	RTW 125-20
742-145	RTW 145-20
742-165	RTW 165-20
741-180	RTU 180-30
741-205	RTU 205-30
741-220	RTU 220-30
<b>Accessories Rotarytiller 30 series</b>	
741-934-001-005	Crumbler roller Ø 440 mm RTU 180-30
741-934-001-006	Crumbler roller Ø 440 mm RTU 205-30
741-934-001-008	Crumbler roller Ø 440 mm RTU 230-30

The Tulip rotarytillers are characterized by their robust and strong construction. The **RTC series** is available in working widths from 2.3 to 3.0 m. With 6 knives per flange they ascertain a perfect working image and result. You can use the machines on 1000 RPM. By changing the gears in the central gearbox you can adapt your RPM to every type of work. Five speeds are available.

Standard, the machine have a Walterscheid PTO with slip clutch to protect the machine from obstacles in the field. The **RTC** is the best choice for the professional user that wants to deliver a qualitative working image.



Rotarytiller RTC		230-40	250-40	280-40	300-40
Working width	m	2,3	2,5	2,8	3
Length (A)	mm	1000	1000	1000	1000
Width (B)	mm	2450	2650	2950	3150
Height (C)	mm	1240	1240	1240	1240
Depth (D)	mm	250	250	250	250
Number of flanges		9	10	11	12
Working width	mm	2300	2500	2800	3000
Min power	hp	60	70	80	90
Max. power 1000/rpm	hp	90	100	110	120
Weight	kg	800	850	900	950



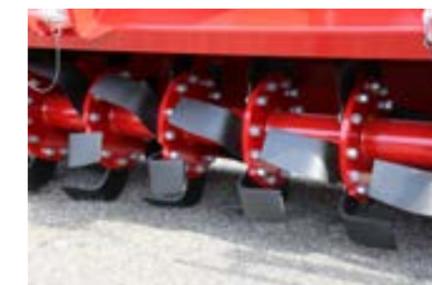
Entrainement par pignons



740-934-004



740-934-001-...



## Rotarytiller RTC

- Robust rigid three point hitch
- Movable linkages points cat. II
- Skids for depth adjustment
- Side gears drive
- 6 Blades per flange
- 5 Speed gear box
- Suitable for 1000 rpm
- Walterscheid PTO shaft with slip clutch (1 3/8" - 6 splines at tractor side)
- Levelling board with chain
- CE safety guard

### Special benefits

- The side blades are always mounted inwards and achieve a level, even seed bed.
- The three point hitch has adjustable suspension points below.
- Max. working depth 25 cm.

Article number	Description
740-230	RTC 230-40
740-250	RTC 250-40
740-280	RTC 280-40
740-300	RTC 300-40
	<b>Accessories</b>
740-934-001-001	Crumbler roller Ø 440 mm RTC 230-40
740-934-001-002	Crumbler roller Ø 440 mm RTC 250-40
740-934-001-003	Crumbler roller Ø 440 mm RTC 280-40
740-934-001-004	Crumbler roller Ø 440 mm RTC 300-40
740-934-002-001	Packer roller Ø 500 mm RTC 230-40
740-934-002-002	Packer roller Ø 500 mm RTC 250-40
740-934-002-003	Packer roller Ø 500 mm RTC 280-40
740-934-002-004	Packer roller Ø 500 mm RTC 300-40
740-934-004	Adjustable spring loaded levelling board instead of with chain

# Seeding drills

The pneumatic seeding drills from Tulip are precise and easy to use.

The wide range of seeding drills enables numerous possibilities from high-speed precision sowing to full field distribution.

The Polymat and Polyliner seeding drills can sow extremely precisely. With a wide choice of coulters, the right setting can be created for any crop.



# Vario Seeder

The **Tulip Vario Seeder** is an easy to use and accurate pneumatic seeder to meter and spread most small seeds on machines up to 8 meters wide. The seeder can be easily mounted on a Roterra, Multidisc, Multiterra or Multivator. The **Vario Seeder** is capable of sowing fine seeds such as mustard and turnip from a rate as low as 1 kg/ha to sowing grass seeds at 80 kg/ha. As standard, the hopper has a capacity of 170 liters. Optionally a 400 liters hopper is also available. All models are equipped with seed rolls, tubes, splash plates, a coulter beam and a calibration tray.

There are 2 control options, the Basic Line control and the Total control with a GPS speed sensor for ground speed. The Basic Line is a control box with 3 commands; on/off, seed rotor on/off and a graduated dial for setting the rotor speed. The Total control offers: seed rate change on the move, hopper low level warning, acre meter, groundspeed readout and GPS for other groundspeed input options.



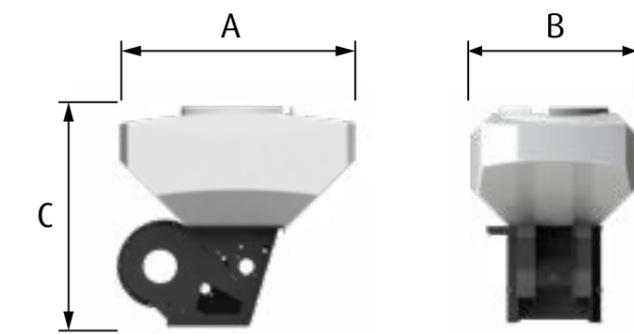
## Standard specification

- 2 Electric fans for optimal airflow
- 8 Spouts with deflector plates
- Electric basic controls in tractor
- Large and small seed roller
- Hard plastic hopper
- Fast release function for emptying container
- Electrically operated calibration test

## Special benefits

- Easy to use and accurate pneumatic seeder.
- The Vario Seeder can be mounted on a Roterra, a Multidisc, a Multiterra or a Multivator.
- Accurate seeding on machines up to 8 meters.

Article number	Description
773-170-001	Vario Seeder 170L Base control
773-170-002	Vario Seeder 170L GPS control
773-400-001	Vario Seeder 400L Base control
773-400-002	Vario Seeder 400L GPS control



Vario Seeder		170 b	170 g	400 b	400 g
Length (A)	mm	860	860	890	890
Width (B)	mm	660	660	690	690
Height (C)	mm	1100	1100	1100	1130
Number of distributors		8	8	8	8
Max. working width	mm	8000	8000	8000	8000
Weight	kg	125	125	140	140
Control		base	gps	base	gps



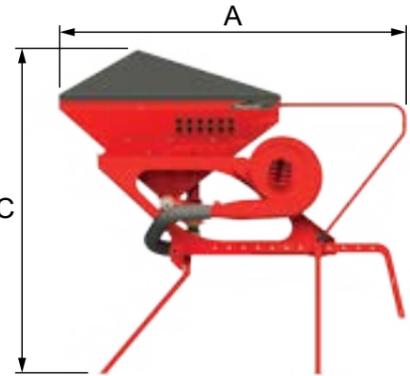
# Polymat Compact H

The **Polymat Compact H** is a pneumatic built-up seed drill with a container volume of 600 litres and 12, 16, or 24 discharge hoses. Thanks to this machine, you are able to sow large and fine seeds from 1 to 200 kg/ha. This machine can be easily built up on a folding Roterra or Multidisc. The fan is hydraulically driven and, as a standard, the machine has been equipped with the EASYtronic computer. Using this compact computer with touchscreen and full-colour monitor, the dosing can be automatically regulated. It includes counters and a monitoring system, and visualises the most important parts of the seed drill.

The **Polymat Compact H** is suitable for cattle and crop farmers as well as contractors who need to process a high capacity of soil and sow during a single work session.



				
<b>Polymat Compact H</b>		<b>12 H</b>	<b>16 H</b>	<b>24 H</b>
Length (A)	mm	2475	2475	2475
Width (B)	mm	1210	1210	1210
Height (C)	mm	2400	2400	2400
Number of hoses		12	16	24
Filling height	mm	1200	1200	1200
Hopper capacity	ltr	600	600	600
Weight	kg	400	400	400



<b>Coulter beam</b>		<b>400-12 Eco H</b>	<b>450-12 Eco H</b>	<b>500-16 Eco H</b>	<b>600-16 Eco H</b>
Number of distributors		12	12	16	16
Working width	mm	4000	4500	5000	6000
Weight	kg	110	120	140	160





EASYtronic



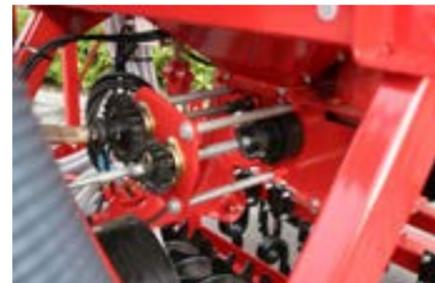
Teste de calibration automatique



734-931-060



772-400



Unité de dosage facilement accessible



Monté jusqu'à 12.5m de largeur

## Standard specification Polymat Compact H

- The Polymat Compact H is a machine for seeding OSR and green cover crops
- Electronically driven, universal metering unit for coarse and fine seeds
- Electronically driven metering and EASYtronic by means of speed measuring connector cable
- Large hopper capacity of 600 litres
- 12, 16 or 24 distribution tubes
- Hydraulically driven fan with large capacity for an accurate distribution
- Stairs and platform behind the machine to reach the hopper easily and safely
- Hopper cover
- Quick-change system for mounting at disc harrow Multidisc (XL)H

## Standard specification coulters beam Eco H

- A steel profile with 12 or 16 spreading plates for even distribution of the seed. It can be mounted in front or behind the roller. The angle is adjustable.

## Special benefits and advantages

- With the universal metering unit, coarse and fine seeds can be seeded from 1 to 200 kg/ha.
- Simple electronic controlled calibration test with a bucket.
- The Polymat Compact H comes standard with a quick hitch for the Multidisc H headstock. It is simple to take the seeder off or put it back on.
- EASYtronic: this compact terminal with touch screen and color display regulates automatically the dosage and includes hectare counters and a control system that shows fan speed and hopper content. The computer is linked via CANbus with the job computer on the machine.

## Further explanation accessories

- With the modular hopper extension(s) of 350 litres, it is easy to increase the hopper size.
- Fan on the power beyond of load-sensing connection of the tractor. The EASYtronic seeder computer switches the fan on and off.
- EASYtronic LH5000 variable rate control unlock code + adapter (does not apply to EASYtronic+): using this option means that the EASYtronic computer can be connected with a GPS computer that controls the dose rate in a site-specific way. Dosage is determined by the values on the GPS map.
- EASYtronic+ ISOBUS exclusive CCI 200 display: applicable if the tractor is equipped with an integrated ISOBUS display or an ISOBUS display from another manufacturer.
- Wheel sensor kit + hitch sensor: allows the speed signal and hitch position to be measured on a tractor that is not equipped with a 7 pin ISO plug.
- Electronic metering wheel on the machine: is necessary for operating the machine with several (older) tractor models that don't have a 7-pin plug in the tractor cabin.
- GPS speed measuring sensor + hitch sensor: measures speed and hitch position.
- Work lights improve the view on the field when working in the dark.
- Covering harrow for improved covering of the seeds.

Article number	Description
734-003-002	Polymat Compact 12 H
734-002-002	Polymat Compact 16 H
734-004-002	Polymat Compact 24 H
772-400	Coulter beam 400-12 Eco H
772-450	Coulter beam 450-12 Eco H
772-500	Coulter beam 500-16 Eco H
772-600	Coulter beam 600-16 Eco H
	Other models on demand
	<b>Accessories</b>
734-931-030-002	Hopper extension 350 litres
734-931-041	Fan on power beyond of load-sensing connection of tractor
734-931-045	Work lights
734-931-060	Headstock and linkage parts for mounting at rigid Multidisc or Multivator instead of at Multidisc (XL)H
734-931-061	Headstock and linkage parts for mounting at rigid Roterra instead of at Multidisc (XL)H
734-931-056	EASYtronic LH5000 variable rate control with unlock code + adaptor
734-931-057	Lower price EASYtronic+ (Isobus) instead of EASYtronic excl. CCI200 Isobus screen
734-931-058	EASYtronic+ (Isobus) instead of EASYtronic incl. CCI200 Isobus screen
	SPEED MEASURING:
734-931-043	Wheel sensor kit incl. wheel disc and sensor + hitch sensor instead of connector cable
734-931-050	Electronic metering wheel instead of connector cable
734-931-044	GPS speed measuring sensor + hitch sensor instead of connector cable
	<b>Accessories coulters beam Eco H</b>
772-931-047-001	Covering harrow 400 H
772-931-047-002	Covering harrow 450 H
772-931-047-003	Covering harrow 500 H
772-931-047-004	Covering harrow 600 H

# Polymat

The **Polymat** is a pneumatic seed drill with a container volume of 820 litres and 24 or 32 discharge hoses. This machine is suitable for sowing grains and seeds at a dosing of between 1 and 450 kg/ha (\*). As a standard, the machine has been equipped with grooved coulters. Optionally, it can be equipped with wide-sowing coulters, TDS coulters (notched discs), or HSD coulters (cutting discs).

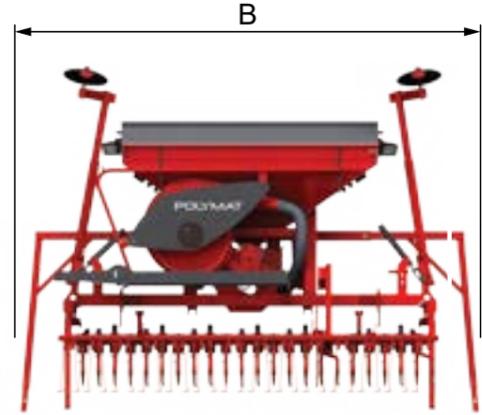
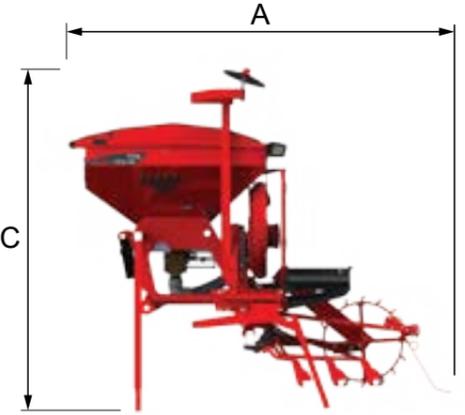
As a standard, the machine has been equipped with the EASYtronic E computer. Using this compact computer with touchscreen and full-colour monitor, the dosing can be automatically regulated. It includes counters and a monitoring system, and visualises the most important parts of the seed drill.

The **Polymat** can be built upon a Roterra, or it may be used by itself. It is the ideal machine for high-capacity, high-precision sowing.

(\*Only applies to peas and beans)



<b>Polymat</b>						
		<b>302-24 P</b>	<b>302-32 P</b>	<b>352-24 P</b>	<b>352-32 P</b>	<b>402-32 P</b>
Working width	m	3	3	3,5	3,5	4
Length (A)	mm	3000	3000	3000	3000	3000
Width (B)	mm	3700	3700	4200	4200	4700
Height (C)	mm	2600	2600	2850	2850	3100
Number of coulters		24	32	24	32	32
Filling height	mm	1950	1950	1950	1950	1950
Weight	kg	910	945	970	1005	1040





Socs trainants normaux



HSD soc



Jeu d'éclairage LED



Polymat P



EASYtronic (E)



730-931-009



730-931-017-...



Polymat W



## HSD coultre (High Speed Disc)

- A robust coultre that can be used for high speed seeding, e.g. behind a Multidisc or Roterra.
- The coultre is mounted staggered and divided over two beams, they have a large spacing for an optimal flow.
- This coultre has a suspension with rubbers and a hydraulically adjustable coultre pressure (max. 110 kg) through which a good soil adaptation is achieved in every type of soil.
- The pressure wheel presses the seed equally and looks after a perfect seeding depth in every condition.

## Standard specification

- Universal metering device for cereals and prilled seeds
- Output of 1 to 360 kg/ha (peas and beans approx. 450 kg/ha)
- Supplied with suffolk coulters
- Central and individual coultre tension adjustment: maximal adaptation to different circumstances
- Hopper capacity: 820 litres
- Filling platform accessible from the side
- Seed coverage harrow is lifted simultaneously with the coulters, the metering wheel and the markers when turning on headlands
- Parts for linkage to the Roterra and Multiterra machines
- Markers left and right with shear bolt protection
- EASYtronic E control system
- Mechanical drive of fan (1000 rpm)
- Walterscheid PTO shaft (1 3/8" - 6 splines tractor side)
- Supports for linkage to packer roller

## Special benefits and advantages

- Pneumatic dosage unit: perfect dosage and distribution. The metering unit gives a complete range of application rates from 1 to 360 kg/ha. The metering unit is stepless adjustable and can be adapted to the use of small seeds by means of change gears.
- Three rows of coulters: the coultre beam is fitted with three rows of coulters. This gives considerably more clearance between each coultre. Crop residues discharges more easily, avoiding disruptions.
- EASYtronic E: this compact terminal with touch screen and color display includes hectare counters and a control system that shows dosage faults, fan speed and hopper content. This terminal also controls the tramline system (optional).

## Further explanation accessories

- Full-width sowing coulters: enable nearly full field sowing in combination with the Polymat 302-32 P/W.
- Coulters TDS: these double disc coulters grasp into each other ensuring that they keep on turning. They are equipped with internal scrapers and because of their shape they do not sink too far into the soil.
- Coulters HSD: these coulters can be used for high speed seeding. This coultre has a suspension with rubbers and hydraulically adjustable coultre pressure. The pressure wheel presses the seed equally and looks after a perfect seeding depth in every condition.
- Depth limitation skids: to achieve an optimal sowing depth in all circumstances.
- Solo hitch: for direct linkage to tractor.
- Pre-emerge marker kit: marks the spray tracks during sowing.
- Tramline system: during sowing, tracks in the crop are kept clear in a pre-set rhythm. Accurate fertilizer spreading and spraying becomes easy because, when using these tramlines, you don't require any GPS assistance.
- EASYtronic instead of EASYtronic E: this compact terminal with touch screen and color display is linked via CANbus with the job computer on the machine. In addition to the EASYtronic E specifications, this combination regulates automatically the dosage, tramlines, etc. These values are shown on the screen.
- Polymat W (with foldable wheels): during sowing the Polymat W rests on the wheels and not on the Roterra harrow. Therefore the Polymat W can also be used individually using the optional solo hitch or can be mounted behind a rotary arrow of any brand.

Article number	Description
731-300-002	Seed drill Polymat 302-24 P
733-300-002	Seed drill Polymat 302-32 P
731-350-002	Seed drill Polymat 352-24 P
733-350-002	Seed drill Polymat 352-32 P
733-400-002	Seed drill Polymat 402-32 P
Accessories	
730-931-003	Manual valve - per coultre
730-931-008	Full-width sowing coultre instead of suffolk coultre (only useful with Polymat 302-32 P/W) - per coultre
730-931-009	Coultre TDS instead of suffolk coultre - per coultre
730-931-062	Coultre HSD instead of suffolk coultre - per coultre
730-931-016	Depth limitation skids - per coultre
730-931-004	Mechanical hectaremeter
730-931-059	Version W instead of P*: 2 foldable wheels and track eradicators (without supports for linkage to packer roller)
730-931-005-001	Solo hitch for Polymat W
730-931-006	Hydraulic coultre pressure adjustment without depth limitation skids (necessary with HSD)**
730-931-007-001	Extra distributor cover 24/12 or 32/12
730-931-007-002	Extra distributor cover 24/16 or 32/16
730-931-014-002	Machine suited for 540 RPM instead of 1000 RPM
730-931-051	Tramline system for EASYtronic (E)
730-931-055	Electric dosage EASYtronic instead of EASYtronic E
730-931-017-001	Single asymmetric hydraulic pre-emerge marker kit
730-931-017-002	Double symmetric hydraulic pre-emerge marker kit
730-931-020	Hydraulic instead of mechanical drive of fan
730-931-015	Hopper extension 280 litres
730-931-063	LED lighting set with signalling boards at the back
730-931-019-004	Deduction non-delivery EASYtronic E control system
730-931-025	Deduction non-delivery markers left and right
730-931-024	Adjustment linkage Polymat to Roterra 302-55 with crumbler roller Ø 520 mm or packer roller Ø 600 mm
* W is wheel kit for solo use of the machine	
** Load Sensing necessary	

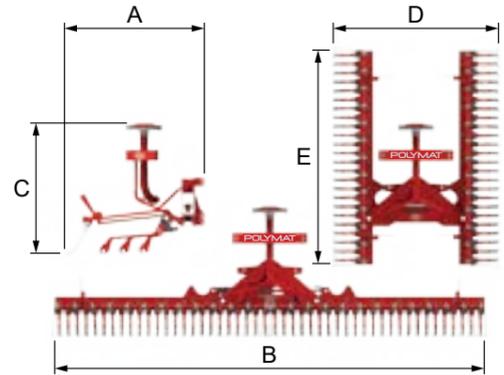
The **Polyliner** is a pneumatic front-seed drill with a storage container of 850 litres (F1 / F1 Eco ) or 1,500 litres (F2). The pneumatic system will ensure perfect distribution and dosing. Sowing can take place from 1 - 360 kg/ha. The dosing is continuously variable and has a reduction for fine seeds. As a standard, the machine has been equipped with the EASYtronic E (F1 Eco) or EASYtronic (F1 / F2) computer, with touchscreen and full-colour monitor. Optionally, the fan can be hydraulically driven (if desired, on the LS tractor). The machine may also be equipped with a belt roller to ensure sufficient pressure between the tractor wheels.

The **Polyliner** front tank is normally combined with large foldable machines (rotor harrow / spading machine) to allow a very high capacity of the heaviest work and to be able to bring along as much material as possible.

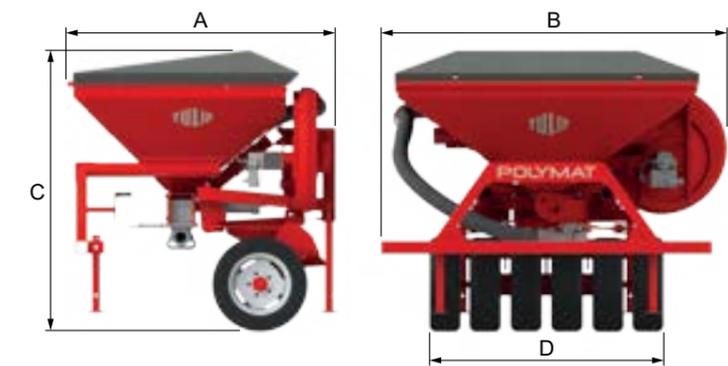


							
<b>Coulter beam</b>		<b>300-24C</b>	<b>300-32C</b>	<b>350-24C</b>	<b>350-32C</b>	<b>400-32C</b>	<b>450-32C</b>
Length (A)	mm	1700	1700	1700	1700	1700	1700
Working width (B)	m	3	3	3,5	3,5	4	4,5
Height (C)	mm	1850	1850	1850	1850	1850	1850
Width folded (D)	mm	3000	3000	3500	3500	4000	4500
Height folded (E)	mm	--	--	--	--	--	--
Number of coulters		24	32	24	32	32	32
Weight	kg	400	450	450	475	500	525

						
<b>Coulter beam</b>		<b>450-32CH</b>	<b>500-32CH</b>	<b>600-32CH</b>	<b>600-48CH</b>	<b>600-64CH</b>
Length (A)	mm	1700	1900	1900	1900	1900
Working width (B)	m	4,5	5	6	6	6
Height (C)	mm	1850	1900	1900	1900	1900
Width folded (D)	mm	2500	2950	2950	2950	2950
Height folded (E)	mm	2000	2500	3000	3000	3000
Number of coulters		32	32	32	48	64
Weight	kg	650	850	950	1200	1400



				
<b>Fronttank</b>		<b>F1 Eco</b>	<b>F1</b>	<b>F2</b>
Length (A)	mm	1750	1750	1750
Total width (B)	mm	1450	1450	1450
Height (C)	mm	1700	1700	1850
Width (D)	mm	2450	2450	2450
Wheeltrack	mm	1450	1450	1450
Hopper capacity	ltr	850	850	1500
Weight	kg	600	600	720





Unité de dosage facilement accessible



Socs trainants normaux



737-931-062



737-931-009



## Standard specification

### Fronttank Polyliner F1 (Eco) and F2

- Hopper capacity: F1 = 850 litres, F2 = 1500 litres
- Output of 1 to 360 kg/ha (peas and beans approx. 450 kg/ha)
- F1 Eco: mechanically driven metering device and EASYtronic E incl. low seed level signalling device
- F1 + F2: electronically driven metering and EASYtronic by means of speed measuring connector cable
- Mechanical drive of fan (1000 rpm)
- Headlights for road transport

### Coulter beam Polymat C(H)

- Coulter beam with 3 rows of coulters, elevation tube, distributor cover and transparent hoses
- Central and individual coulters tension adjustment: maximal adaptation to different circumstances
- Seed coverage harrow is lifted simultaneously with the coulters and the markers when turning on headlands
- Polymat C: three point solo hitch, Polymat CH: linkage parts for packer rollers of Roterra and Multiterra

## Special benefits and advantages

- Pneumatic dosage unit: perfect dosage and distribution. The metering unit gives a complete range of application rates from 1 to 360 kg/ha. The metering unit is stepless adjustable and can be adapted to the use of small seeds by means of change gears.
- Three rows of coulters: the coulters beam is fitted with three rows of coulters. This gives considerably more clearance between each coulters. Crop residues discharges more easily, avoiding disruptions.
- EASYtronic E (only for F1 Eco): this compact terminal with touch screen and color display includes hectare counters and a control system that shows dosage faults, fan speed and hopper content. This terminal also controls the tramline system (optional).
- EASYtronic (for F1 and F2): this compact terminal with touch screen and color display is linked via CANbus with the job computer on the machine. In addition to the EASYtronic E specifications, this combination regulates automatically the dosage, tramlines, etc. These values are shown on the screen.

## Further explanation accessories

- Stabilo tyre roller Ø 590 mm, with 6 tyres to reduce tracks with conservation of manoeuvrability
- Coulters TDS: these double disc coulters grasp into each other ensuring that they keep on turning. They are equipped with internal scrapers and because of their shape they do not sink too far into the soil.
- Coulters HSD: these coulters can be used for high speed seeding. This coulters has a suspension with rubbers and hydraulically adjustable coulters pressure. The pressure wheel presses the seed equally and looks after a perfect seeding depth in every condition.
- Solo hitch: three point hitch for linkage behind tractor or other machine.
- Pre-emerge marker kit: marks the spray tracks during sowing.
- EASYtronic LH5000 variable rate control unlock code + adapter (does not apply to EASYtronic E and +): using this option means that the EASYtronic computer can be connected with a GPS computer that controls the dose rate in a site-specific way. Dosage is determined by the values on the GPS map.
- EASYtronic+ ISOBUS exclusive CCI 200 display: applicable if the tractor is equipped with an integrated ISOBUS display or an ISOBUS display from another manufacturer.
- Wheel sensor kit + hitch sensor: allows the speed signal and hitch position to be measured on a tractor that is not equipped with a 7 pin ISO plug.
- Electronic metering wheel on the machine: is necessary for operating the machine with several (older) tractor models that don't have a 7-pin plug in the tractor cabin.
- GPS speed measuring sensor + hitch sensor: measures speed and hitch position.

Article number	Description
735-001-001	Fronttank Polyliner F1 Eco
735-001-002	Fronttank Polyliner F1
737-300-001	Coulter beam Polymat 300-24 C
737-300-002	Coulter beam Polymat 300-32 C
737-350-001	Coulter beam Polymat 350-24 C
737-350-002	Coulter beam Polymat 350-32 C
737-400-002	Coulter beam Polymat 400-32 C
737-450-002	Coulter beam Polymat 450-32 C
738-450-002	Coulter beam Polymat 450-32 CH
738-500-002	Coulter beam Polymat 500-32 CH
738-600-002	Coulter beam Polymat 600-32 CH
735-002	Fronttank Polyliner F2
738-600-003	Coulter beam Polymat 600-48 CH
738-600-004	Coulter beam Polymat 600-64 CH

### Accessories

735-931-013-001	Hopper extension for Polyliner F1 (Eco) (350 litres)
735-931-013-002	Hopper extension for Polyliner F2 (450 litres)
735-931-021	Polyliner A-frame
735-931-020	Hydraulic instead of mechanical drive of fan
735-931-036	Stabilo tyre roller Ø 590 mm with 6 tyres
735-931-056	EASYtronic LH5000 variable rate control with unlock code + adaptor
735-931-057	Lower price EASYtronic+ (Isobus) instead of EASYtronic excl. CCI200 Isobus screen
735-931-058	EASYtronic+ (Isobus) instead of EASYtronic incl. CCI200 Isobus screen

### SPEED MEASURING:

735-931-043	Wheel sensor kit incl. wheel disc and sensor + hitch sensor instead of connector cable
735-931-050	Electronic metering wheel instead of connector cable
735-931-044	GPS speed measuring sensor + hitch sensor instead of connector cable

### Accessories Coulter beam Polymat

737-931-008	Full-width sowing coulters instead of suffolk coulters (only useful with 300-32 C and 600-64 CH) - per coulters
737-931-009	Coulter TDS instead of suffolk coulters - per coulters
737-931-062	Coulter HSD instead of suffolk coulters - per coulters
737-931-016	Depth limitation skids - per coulters
737-931-052	Deduction non-delivery solo hitch for coulters beam Polymat C
737-931-005-005	Solo hitch for coulters beam Polymat 500 CH/600 CH
737-931-007-001	Extra distributor cover 24/12 or 32/12
737-931-007-002	Extra distributor cover 24/16 or 32/16
737-931-051	Tramline system for EASYtronic (E)(+)
737-931-017-001	Single asymmetric hydraulic pre-emerge marker kit
737-931-017-002	Double symmetric hydraulic pre-emerge marker kit
737-931-011	Hydraulic coulters pressure adjustment without depth limitation skids for coulters beam 300 C/350 C/400 C
737-931-012-002	Hydraulic coulters pressure adjustment without depth limitation skids for coulters beam 500 CH/600 CH
737-931-010-001	Markers coulters beam Polymat 300 C/350 C
737-931-010-002	Markers coulters beam Polymat 400 C
737-931-010-003	Markers coulters beam Polymat 600 CH
737-931-054	Elevation column and distributor (without hoses)

# Fertilizer spreaders

The Centerliner fertilizer spreader is the ideal machine for arable and cattle farmers who want to combine ease of use with high-quality spreading.

The Centerliner is unique thanks to its two spinner discs, which each have four spoons to cover the full spreading width. This results in a double overlap to guarantee perfect fertilizer coverage.

The various dimensions and spreading widths mean there's always a suitable Centerliner available.



# Centerliner SE

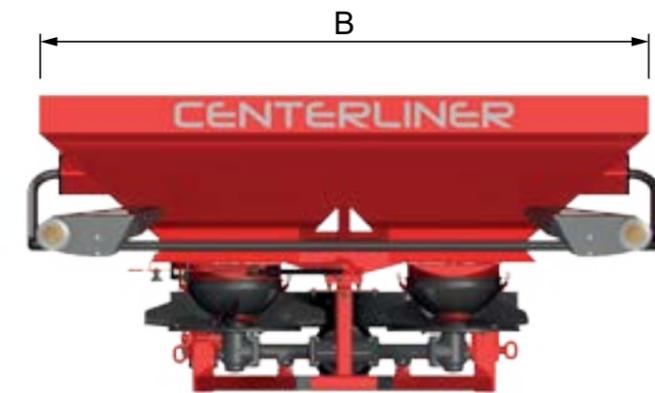
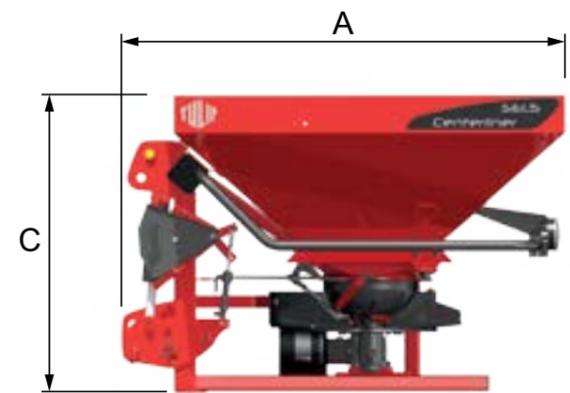
The **Centerliner SE** is a fertilizer spreader with a hopper volume up to 1,850 litres and a maximum distribution width of 18 m. The machine makes use of a double overlap, allowing perfect coverage.

As a standard, the **Centerliner SE** has hydraulic operation of the dosage, stainless steel spoons, spinner discs, spreader bowls, and a Walterscheid coupling shaft. Optionally, you may choose for a Centraside headland spreading set to limit the distribution area.

The **Centerliner SE** is ideal for cattle and crop farmers who want to spread fertilizer using a high-quality machine, and at low costs.



<b>Centerliner SE</b>		<b>1,5</b>	<b>2</b>	<b>2,5</b>	<b>3</b>	<b>3,5</b>
Length (A)	mm	1370	1370	1370	1370	1370
Width (B)	mm	1900	1900	1900	1900	1900
Height (C)	mm	930	1050	1170	1290	1410
Working width	m	10-18	10-18	10-18	10-18	10-18
Hopper capacity	ltr	760	1025	1300	1575	1850
Weight	kg	270	290	310	330	350





725-932-011



725-932-017



725-932-005-003



725-932-030



725-932-026-001



725-932-069



725-932-016



Article number	Spoons for Centerliner
2.3224.0149.0	Spoon SE inox left
2.3224.0148.0	Spoon SE inox right
2.3224.0159.0	Spoon SE hardened left
2.3224.0158.0	Spoon SE hardened right



2.3224.0148.0



2.3224.0158.0

## Standard specification

- Hydraulic control of the application rate
- Stainless steel spoons, spinner discs and spreader bowls
- 2 Screen punch holes sieves Ø 20 mm
- Material grading kit for use in combination with the output chart
- Walterscheid PTO shaft (1 3/8" - 6 splines tractor side)
- Large stainless steel tractor protection sheets

## Special benefits and advantages

- Two spinner discs which rotate to the inside: each spinner disc throws a complete spreading pattern. Exact distribution through quadruple overlapping.
- Spreading width from 10 up to 18 m, easily changeable by adapting the PTO shaft speed.
- Rotating spinner disc: no blockage of the valve opening, no grinding of the fertilizer.
- Due to the small hopper size the spreader can easily be positioned underneath a silo.

## Further explanation accessories

- Centraside: a stainless steel headland spreading kit to obtain a sharply limited spreading pattern at the right side of the spreader. At the left side of the spreader the spreading pattern fades off to the next working passage. The Centraside is available in a manual and a hydraulic version.
- Disc valve: device for closing the left spreader bowl when using a Centraside headland spreading set.
- Hydraulic tilt ram: when headland spreading is required the Centerliner spreader can be tilted. This reduces the spreading pattern on one border side, one pass creates the headland spreading.
- Carrier: with this solid under-carriage under a Centerliner fertilizer spreader a pulled combination is obtained. By dividing the total weight over the tractor and carrier, the bottom pressure is reduced. This has the advantage that also with a smaller tractor a bigger amount of fertilizer can be carried.
- Telespace PTO shaft: special telescoping PTO shaft which can be extended by 30 cm before attaching to the tractor. This gives a free access, so other connections can be made.

## Points of attention

- The maximum spreading width depends on various factors. Consult the output charts on our website.
- For variable rate control on the basis of a yield map, please contact us to check the compatibility with your brand of GPS monitor.

Article number	Description
725-150-002	Centerliner SE1,5
725-200-002	Centerliner SE2
725-250-002	Centerliner SE2,5
725-300-002	Centerliner SE3
725-350-002	Centerliner SE3,5
Accessories	
725-932-011	Hydraulic tilt ram for headland spreading
725-932-048-001	Disc valve for Centraside mechanical control in combination with Centraside mechanical control
725-932-017	Centraside headland spreading set incl. disc valve - hydraulic control
725-932-005-003	Hopper cover SE for SE2/SE2,5/SE3/SE3,5
725-932-010-002	Bowden cable instead of hydraulic control of the application rate
725-932-069	Safety bracket in stainless steel with LED lighting
725-932-030	Walterscheid Telespace PTO shaft with slip clutch instead of standard PTO
725-932-014	Set of wire agitators
725-932-020	Pull bracket
725-932-035	Powder coated spoons in hardened steel instead of stainless steel spoons
725-932-016	2 Screen punch holes sieves Ø 12 instead of Ø 20 mm
725-932-026-001	Carrier with tyres 400/60x15.5

# Centerliner SX

The **Centerliner SX** is a fertilizer spreader with a hopper volume up to 3,650 litres and a maximum distribution width of 36 m. The machine makes use of a double overlap, allowing perfect coverage. As a standard, the machine has been equipped with hydraulic operation of the dosage.

Optionally, you may choose for a mechanical or hydraulic, Centraside headland spreading set to limit the distribution area.

The **Centerliner SX** is the ideal machine for cattle and crop farmers who want to combine ease of use, a low price, a high quality, and a high capacity in a single machine.



<b>Centerliner SX</b>		<b>2</b>	<b>2,5</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Length (A)	mm	1600	1600	1600	1600	1600	1600	1600
Width (B)	mm	2600	2600	2600	2850	2850	2850	2850
Height (C)	mm	1105	1185	1265	1340	1430	1530	1640
Working width	m	6-36	6-36	6-36	6-36	6-36	6-36	6-36
Hopper capacity	ltr	1200	1580	1900	2360	2730	3150	3650
Weight	kg	460	480	490	540	570	600	640





720-932-017



720-932-017



720-932-005-002



720-932-006



724-932-047



724-932-047



724-932-047



720-932-034



Article number	Spoons for Centerliner
2.3225.1493.0	Spoon SX hardened left
2.3225.1494.0	Spoon SX hardened right
2.3225.1498.0	Spoon SX inox left
2.3225.1499.0	Spoon SX inox right



Article number	Gear set	Rotor speed 540 rpm	Rotor speed 750 rpm	Rotor speed 1000 rpm
<b>Centerliner SX</b>				
2.3217.0027.1	12-23/23-12	282/1035	391/--	522/--
2.3217.0029.1	13-22/22-13	319/914	443/--	591/--
2.3217.0031.1	14-21/21-14	360/810	500/--	667/--
2.3217.0033.1	15-20/20-15	405/720	563/1000	750/--
2.3217.0035.1	16-19/19-16	455/641	632/891	842/--
2.3217.0037.1	17-18/18-17	510/572	708/794	944/1059

## Standard specification

- Hydraulic control of the application rate
- Hydraulic tilt ram for headland spreading
- Hardened and wear resistant powder coated spoons
- Stainless steel spreader bowls and spinner discs
- Material grading kit for use with the output chart
- Up from SX3: sight windows in hopper extensions
- Walterscheid PTO shaft with slip clutch (1 3/8" - 6 splines tractor side)
- 1 Set of change gears 23/12
- 2 Mesh wire sieves
- Safety and lighting set LED
- Large stainless steel tractor protection sheets

## Special benefits and advantages

- Two spinner discs which rotate to the inside. Exact distribution through quadruple overlapping.
- Adjusting spreading width by means of changing gears: a perfect adaptation to different types of fertilizer, exact adjustment of the working width, easily changeable, working width from 6 up to 36 m.
- Hydraulic tilt ram: when headland spreading is required the Centerliner spreader can be tilted. This reduces the spreading pattern on one border side, one pass creates the headland spreading.

## Further explanation accessories

- Centraside: a stainless steel headland spreading kit to obtain a sharply limited spreading pattern at the right side of the spreader. At the left side of the spreader the spreading pattern fades off to the next working passage. The Centraside is available in a manual and a hydraulic version.
- Disc valve: mechanical or hydraulic device for closing the left spreader bowl when using a Centraside headland spreading set.
- With the hydraulic Centraside and disc valve it is possible to switch over from full field operations to headland spreading (and vice versa) without leaving the tractor.

Article number	Description
720-200-002	Centerliner SX2
720-250-002	Centerliner SX2,5
720-300-002	Centerliner SX3
720-400-002	Centerliner SX4
720-500-002	Centerliner SX5
720-600-002	Centerliner SX6
720-700-002	Centerliner SX7
<b>Accessories</b>	
720-932-019-001	Set of gears 22/13 instead of standard combination 23/12 (540 rpm)
720-932-019-002	Set of gears 21/14 instead of standard combination 23/12 (540 rpm)
720-932-019-003	Set of gears 20/15 instead of standard combination 23/12 (540 rpm)
720-932-019-004	Set of gears 19/16 instead of standard combination 23/12 (540 rpm)
720-932-019-005	Set of gears 18/17 instead of standard combination 23/12 (540 rpm)
720-932-048-002	Disc valve for Centraside mechanical control in combination with Centraside mechanical control
720-932-017	Centraside headland spreading set incl. disc valve - hydraulic control
720-932-004	Calibration bowl
720-932-005-001	Full open-top hopper cover SX for SX2/SX2,5/SX3
720-932-005-002	Full open-top hopper cover SX for SX4/SX5/SX6/SX7
720-932-010-002	Bowden cable instead of hydraulic control of the application rate
720-932-006	2 Punch hole sieves instead of 2 mesh wire sieves
720-932-075	Agitator SX (not in combination with disc valve)
720-932-014	Set of 2 wire agitators
720-932-034	Mud flaps at the front of the machine
720-932-038-004	Stainless steel spoons

# Centerliner SXe

The **Centerliner SXe** is a fertilizer spreader with a hopper volume up to 3,650 litres and a maximum distribution width of 36 m. The machine makes use of a double overlap, allowing perfect coverage. As a standard, the machine has been equipped with electric operation of the dosage.

The **Centerliner SXe** has been equipped with the EASYtronic regulation and monitoring system based on the driving-speed cable. The ease of use of the EASYtronic (including automatic calibration test) will exceed all expectations. Optionally, you may choose for a mechanical, hydraulic, or electric Centraside headland spreading set to limit the distribution area.

The **Centerliner SXe** is the ideal machine for cattle and crop farmers who want to combine ease of use, a low price, a high quality, and a high capacity in a single machine.



<b>Centerliner SXe</b>		<b>2</b>	<b>2,5</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Length (A)	mm	1600	1600	1600	1600	1600	1600	1600
Width (B)	mm	2600	2600	2600	2850	2850	2850	2850
Height (C)	mm	1105	1185	1265	1340	1430	1530	1640
Working width	m	6-36	6-36	6-36	6-36	6-36	6-36	6-36
Hopper capacity	ltr	1200	1580	1900	2360	2730	3150	3650
Weight	kg	465	485	495	545	575	605	645





720-932-017



720-932-005-002



724-932-042



724-932-047



720-932-004



724-932-043



724-932-047



720-932-034



Article number	Spoons for Centerliner
2.3225.1493.0	Spoon SXe hardened left
2.3225.1494.0	Spoon SXe hardened right
2.3225.1498.0	Spoon SXe inox left
2.3225.1499.0	Spoon SXe inox right



Article number	Gear set	Rotor speed 540 rpm	Rotor speed 750 rpm	Rotor speed 1000 rpm
<b>Centerliner SXe</b>				
2.3217.0027.1	12-23/23-12	282/1035	391/--	522/--
2.3217.0029.1	13-22/22-13	319/914	443/--	591/--
2.3217.0031.1	14-21/21-14	360/810	500/--	667/--
2.3217.0033.1	15-20/20-15	405/720	563/1000	750/--
2.3217.0035.1	16-19/19-16	455/641	632/891	842/--
2.3217.0037.1	17-18/18-17	510/572	708/794	944/1059

## Standard specification

- EASYtronic electronic measuring and control system by means of connector cable
- Hydraulic tilt ram for headland spreading
- Hardened and wear resistant powder coated spoons
- Stainless steel spreader bowls and spinner discs
- Material grading kit for use with the output chart
- Up from SX3e: sight windows in hopper extensions
- Walterscheid PTO shaft with slip clutch (1 3/8" - 6 splines tractor side), Telespace version
- 1 Set of change gears 23/12
- 2 Mesh wire sieves
- Safety and lighting set LED
- Large stainless steel tractor protection sheets

## Special benefits and advantages

- Two spinner discs which rotate to the inside. Exact distribution through quadruple overlapping.
- Adjusting spreading width by means of changing gears: a perfect adaptation to different types of fertilizer, exact adjustment of the working width, easily changeable, working width from 6 up to 36 m.
- Hydraulic tilt ram: when headland spreading is required the Centerliner spreader can be tilted. This reduces the spreading pattern on one border side, one pass creates the headland spreading.
- EASYtronic: this compact terminal with touch screen and color display is linked via CANbus with the job computer on the machine. In addition to the EASYtronic E specifications, this combination regulates automatically the dosage, tramlines, etc. These values are shown on the screen. Optional is the EASYtronic+ where everything operates via Isobus.
- Telespace PTO shaft: special telescoping PTO shaft which can be extended by 30 cm before attaching to the tractor. This gives a free access, so other connections can be made.

## Further explanation accessories

- Centraside: a stainless steel headland spreading kit to obtain a sharply limited spreading pattern at the right side of the spreader. At the left side of the spreader the spreading pattern fades off to the next working passage. The Centraside is available in a manual and a hydraulic version.
- Disc valve: mechanical, hydraulic or electric device for closing the left spreader bowl when using a Centraside headland spreading set.
- With the hydraulic or electric Centraside and disc valve it is possible to switch over from full field operations to headland spreading (and vice versa) without leaving the tractor.
- Connector cable: uses the pulse signal of the tractor's forward speed sensor.
- Magnetic sensor: measures the forward speed via magnets mounted on tractor wheel. This set can also be used for other machines which require forward speed measuring.
- GPS speed measuring sensor: a GPS sensor is used for measuring the speed instead of the wheel sensor kit. Advantages: a compact kit, easy to mount and to use, no special construction is required.

Article number	Description
724-200-002	Centerliner SX2e
724-250-002	Centerliner SX2,5e
724-300-002	Centerliner SX3e
724-400-002	Centerliner SX4e
724-500-002	Centerliner SX5e
724-600-002	Centerliner SX6e
724-700-002	Centerliner SX7e

Accessories	
720-932-019-001	Set of gears 22/13 instead of standard combination 23/12 (540 rpm)
720-932-019-002	Set of gears 21/14 instead of standard combination 23/12 (540 rpm)
720-932-019-003	Set of gears 20/15 instead of standard combination 23/12 (540 rpm)
720-932-019-004	Set of gears 19/16 instead of standard combination 23/12 (540 rpm)
720-932-019-005	Set of gears 18/17 instead of standard combination 23/12 (540 rpm)
720-932-048-002	Disc valve for Centraside mechanical control in combination with Centraside mechanical control
720-932-017	Centraside headland spreading set incl. disc valve - hydraulic control
724-932-047	Centraside headland spreading set incl. disc valve - electric control
720-932-004	Calibration bowl
720-932-005-001	Full open-top hopper cover SXe for SX2e/SX2,5e/SX3e
720-932-005-002	Full open-top hopper cover SXe for SX4e/SX5e/SX6e/SX7e
720-932-010-002	Bowden cable instead of hydraulic control of the application rate
720-932-006	2 Punch hole sieves instead of 2 mesh wire sieves
720-932-075	Agitator SXe (not in combination with disc valve)
720-932-014	Set of 2 wire agitators
720-932-034	Mud flaps at the front of the machine
720-932-038-004	Stainless steel spoons
724-932-039	EASYtronic LH5000 variable rate control with unlock code + adaptor
724-932-040	Lower price EASYtronic+ (Isobus) instead of EASYtronic excl. CCI200 Isobus screen
724-932-041	EASYtronic+ (Isobus) instead of EASYtronic incl. CCI200 Isobus screen
720-932-026-001	Carrier with tyres 400/60x15.5

	SPEED MEASURING:
724-932-042	Wheel sensor kit incl. wheel disc and sensor instead of connector cable
724-932-043	GPS speed measuring sensor instead of connector cable

	SEPARATE SETS EASYtronic SPEED MEASURING:
724-932-044	Connector cable
724-932-045	Wheel sensor kit incl. wheel disc and sensor
724-932-046	GPS speed measuring sensor

# Complete rollers separate delivery



Type	Crumbler roller 440 art. no.	Crumbler roller 520 art. no.	Crumbler roller V-shape 440 art. no.	Packer roller 430 art. no.	Packer roller 500 art. no.
ROTERRA 252-25	799-025-002-002			799-025-004-001	799-025-005-001
ROTERRA 302-25/35/45/55	799-030-002-003	799-030-003-002	799-030-009-001	799-030-004-001	799-030-005-001
ROTERRA 352-45/55	799-035-002-002	799-035-003-002			799-035-005-001
ROTERRA 402-45/55		799-040-003-003			799-040-005-001
ROTERRA 452-45/55		799-045-003-002			799-045-005-001
ROTERRA 502-55	799-050-002-002	799-050-003-003			799-050-005-001
ROTERRA 602-55	799-060-002-002				799-060-005-001
ROTERRA 502-45 H/55 H	799-050-002-003	799-050-003-004			799-050-005-002
ROTERRA 602-45 H /55 H	799-060-002-003	799-060-003-002			799-060-005-002
MULTITERRA 300	799-030-002-003	799-030-003-002	799-030-009-001	799-030-004-001	799-030-005-001
MULTITERRA 350	799-035-002-002	799-035-003-002			799-035-005-001
MULTITERRA 400		799-040-003-003			799-040-005-001
MULTITERRA 400 H	799-040-002-002				799-040-005-002
MULTITERRA 500 H	799-050-002-003				799-050-005-002
MULTITERRA 600 H	799-060-002-003	799-060-003-002			799-060-005-002
MULTIDISC 180	799-018-002-001				799-018-005-001
MULTIDISC 200	799-020-002-001	799-020-003-001			799-020-005-001
MD 250/XL Vario-S	799-025-002-001	799-025-003-001			799-025-005-001
MD 300/XL/XXL/XL Vario-S	799-030-002-001	799-030-003-001			799-030-005-001
MD 350/XL/XXL/XL Vario-S	799-035-002-001	799-035-003-001			799-035-005-001
MD 400/XL/XXL/XL Vario-S		799-040-003-001			799-040-005-001
MD 450/XL/XXL		799-045-003-003			799-045-005-001
MD 500 XXL		799-050-003-002			799-050-005-001
MD 400 H/XLH/XXLH	799-040-002-001	799-040-003-002			799-040-005-002
MD 450 H/XLH/XXLH	799-045-002-001	799-045-003-001			799-045-005-002
MD 500 H/XLH/XXLH	799-050-002-001	799-050-003-001			799-050-005-002
MD 600 H/XLH/XXLH	799-060-002-001	799-060-003-001			799-060-005-002
MD 650 XLH		799-065-003-001			799-065-005-001
MD 700 H/XLH/XXLH	799-070-002-001	799-070-003-001			799-070-005-001
MD 800 XXLH		799-080-003-001			799-080-005-001
MD 900 H/XLH	799-090-002-001	799-090-003-001			799-090-005-001
MULTIVATOR 250	799-025-002-001	799-025-003-001			799-025-005-001
MULTIVATOR 300	799-030-002-001	799-030-003-001			799-030-005-001
MULTIVATOR 350	799-035-002-001	799-035-003-001			799-035-005-001
MULTIVATOR 400		799-040-003-001			799-040-005-001

Packer roller 600 art. no.	Star packer roller 440 art. no.	Ring roller 600 art. no.	DD roller 600 art. no.	Double crumbler roller 520/440 art.no.	Double ring roller 600/600 art. no.
	799-025-008-001				
799-030-006-001	799-030-008-001				
799-035-006-001					
799-040-006-001					
799-045-006-002					
799-050-006-002					
799-050-006-001					
799-060-006-001					
799-030-006-001					
799-035-006-001					
799-040-006-001					
799-050-006-001					
799-060-006-001					
		799-020-007-001			
799-025-006-001		799-025-007-001	799-025-016-001	799-025-013-004	799-025-012-001
799-030-006-001		799-030-007-001	799-030-016-001	799-030-013-001	799-030-012-001
799-035-006-001		799-035-007-001	799-035-016-001	799-035-013-006	799-035-012-001
799-040-006-001		799-040-007-001	799-040-016-001	799-040-013-001	799-040-012-001
799-045-006-002		799-045-007-002		799-045-013-001	799-045-012-001
799-050-006-002		799-050-007-002		799-050-013-002	799-050-012-001
799-040-006-002		799-040-007-002	799-040-016-002	799-040-013-002	799-040-012-002
799-045-006-001		799-045-007-001		799-045-013-002	799-045-012-002
799-050-006-001		799-050-007-001	799-050-016-001	799-050-013-001	799-050-012-002
799-060-006-001		799-060-007-001	799-060-016-001	799-060-013-001	799-060-012-001
799-065-006-001		799-065-007-001		799-065-013-001	799-065-012-001
799-070-006-001		799-070-007-001		799-070-013-001	799-070-012-001
799-080-006-001		799-080-007-001		799-080-013-001	799-080-012-001
799-090-006-001		799-090-007-001		799-090-013-001	799-090-012-001
799-025-006-001		799-025-007-001	799-025-016-001	799-025-013-004	799-025-012-001
799-030-006-001		799-030-007-001	799-030-016-001	799-030-013-001	799-030-012-001
799-035-006-001		799-035-007-001	799-035-016-001	799-035-013-006	799-035-012-001
799-040-006-001		799-040-007-001	799-040-016-001	799-040-013-001	799-040-012-001





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