



SOIL CULTIVATION



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STRAW HARROW CLEARSTAR



SAPHIR Cleanfield - A new way of stubble processing

The SAPHIR straw harrow ClearStar enables a powerful and economical soil cultivation, directly after threshing. The stable, vibration-friendly 16mm tines efficiently tow straw dumps, generate fine soil, provide for soil contact for the seeds and encourage germination. At the same time SAPHIR offers, upon request, a knife roller for shredding crop residues and the pulse bar as an economical and stable alternative. The seal bar breaks stems close to ground to support a fast drying out. In this way, diseases and pests are deprived of their habitat. Optionally, SAPHIR offers ex factory tines with hard-metal coating, in order to ensure longer service life.

In combination with the AllStar large-spring tine harrow in the second working step, a highly efficient system for controlling volunteer crops and weeds becomes possible (up to 100%, see gkb-field tag, Busek 2018), which is an effective alternative to the use of herbicides.

SAPHIR ClearStar straw harrow is an essential component of the SAPHIR Cleanfield system for enabling a sustained and efficient agriculture.

Technical data	NEW!	NEW!			NEW!
	ClearStar 300	ClearStar 485	ClearStar 600	ClearStar 730	ClearStar 900
Approx. working width (m)	3,00	4,85	6,00	7,30	9,00
Approx. transport width (m)	3,00	2,90	2,290	2,90	3,00
Hydraulic foldable	No	Yes	Yes	Yes	Yes
Necessary hydraulic connections	1 x dw	2 x dw	2 x dw	2 x dw	2 x dw
Number and strength of tines approx. (mm)	50 / 16	80 / 16	100 / 16	120 / 16	150 / 16
Line distance approx. (mm)	60	60	60	60	60
Approx. working depth in (cm)	0-4	0-4	0-4	0-4	0-4
Operating speed (km/h)	12-25	12-25	12-25	12-25	12-25
Power requirement approx. (kW/HP)	60 / 80	88 / 120	110 / 150	132 / 180	155 / 210
3-point attachment	Cat. II / Kat. III	Cat. II / Cat. III	Cat. II / Cat. III	Cat. II / Cat. III	Cat. II / Cat. III
Approx. weight in kg	770	1.332	1.550	1.750	2.350

Series equipment

- Lighting and hydraulic safety lock for safe road transport
- Hydraulic adjustment of tines for setting the straw storage volume and the aggressiveness of the harrow
- Spindle adjustment of both the rear rows of tines to the front ones for a homogeneous working
- 16 mm strong, durable double tines
- 760 mm long tines for enormously high passage during stubble processing and seed bed preparation
- 60 mm line spacing for a whole-surface soil crumbling
- Non-rotating bolts in relevant pivot points for maximum strength and long life
- Kennfixx hydraulic couplings for ergonomic coupling and uncoupling
- Highest ramp rates of seeds for optimum use in the CleanField system

Model		Order-No.	€/piece
ClearStar 300	NEW!	593.00628.CS300	5.270,00 €
ClearStar 485	NEW!	593.00628.CS485	9.560,00 €
ClearStar 600		593.00628.CS600	10.880,00 €
ClearStar 730		593.00628.CS730	12.310,00 €
ClearStar 900	NEW!	593.00628.CS900	16.490,00 €

1. Tines options



Equipment	Order-No.	€/piece
Hard-metal coated tines CS 300 (additional price for series fitting)	593004640	1.650,00 €
Hard-metal coated tines CS 485 (additional price for series fitting)	593004641	2.640,00 €
Hard-metal coated tines CS 600 (additional price for series fitting)	593004053	3.300,00 €
Hard-metal coated tines CS 730 (additional price for series fitting)	593004054	3.960,00 €
Hard-metal coated tines CS 900 (additional price for series fitting)	593005139	4.950,00 €

2. Pre-tools



Equipment	Order-No.	Approx. weight in kg	€/piece
Knife roller CS 300 - 730 hydraulically adjustable, 360 mm diameter, spring-loaded via nitrogen blower			On demand
Seal bar CS 300	593004642	70	650,00 €
Seal bar CS 450	593004643	190	1.090,00 €
Seal bar CS 600	593003998	200	1.310,00 €
Seal bar CS 730	593003999	210	1.530,00 €

3. Mounting platform for SAPHIR DrillStar incl. assembly costs - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
Mounting platform for SAPHIR DrillStar - ex works	593004657	120	1.640,00 €

FRONT KNIFE ROLLER SINUSCUT 300



NEW!



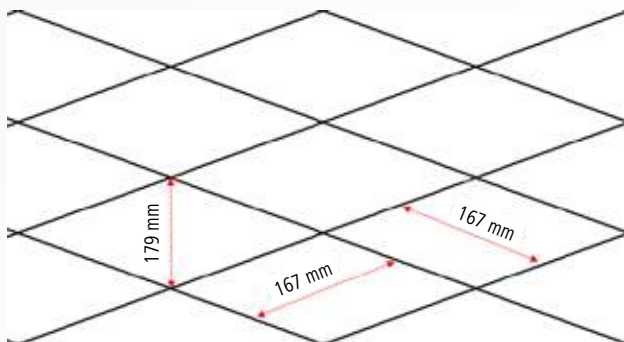
The SAPHIR SinusCut knife roller is characterized by its unique coiled double knife rollers. As a result, a previously unattained rolling and cutting behavior is achieved. The roller also runs at high working speeds particularly smooth-running and therefore maintains the working depth very precisely. The knife roller can thus be optimally used for the comminution of catch crops as well as in rape and maize stubble cultivation.



The optional seal bar shears off stubble, splices the root neck area and straightens the stubble for the close-meshed section in the sinus grid.



The optional additional weights increase the weight of the machine, making an effective cut even with hard ground conditions can be achieved.



The two counter-rotating knife rollers result in the unique sine pattern, which creates a close-meshed cutting pattern. Organic leftovers are on this Way efficiently shredded.

Technical data	SinusCut 300
Approx. working width (m)	2,90
Approx. transport width (m)	2,99
Frame design	rigid
Quantity roller	2
Roller diameter approx. (mm)	360
Knife shape	coiled
Working depth approx. (cm)	1-3
Attachment	Kat. II
Working speed approx (km / h)	5-25
Weight with tube packer roller Ø 500 mm	Ab 44/60
Weight in standard version approx. (Kg)	785

Standard quipment

- Lighting system including warning signs and marker lights
- Sharpened knife elements
- Rubber stone protection

Model	Order-No.	€/piece
SinusCut 300	593.00251.SC300	6.590,00 €

1. Seal Bear



Optional extras	Order-No.	Approx. weight in kg	€/piece
Seal bar			
SinusCut 300	593005126	80	760,00 €

2. Additional weights



Optional extras	Order-No.	Approx. weight in kg	€/piece
Additional weight 400 KG			
SinusCut 300	593005125	410	870,00 €

ALLSTAR PROFI FLAT CULTIVATOR



We present the new SAPHIR AllStar Profi! With even less line distance through additional tines. For an optimum working quality in just one run!

With the SAPHIR ALLSTAR Profi flat cultivator with working widths of 3, 4, 5 and 6 m a versatile universal implement for stubble cultivation, for incorporating liquid manure and for seed bed preparation is available for the farmer. These machines are an essential component of the CleanField system because of their high variability. The AllStar works smoothly and does not get clogged even with medium amounts of straw. The resulting high area performance is one of the many operational advantages of this machine. Because of the natural vibration of each individual spring tine, mixing of the miscibility of harvest residue in stubble cultivation and the crumbling structure of the seed bed is improved decisively.



The AllStar 301 Profi model has a continuous frame. The permissible transport width of 3.0 m is observed. The device can be operated with tractors from 44 kW / 60 HP onwards. The device can be adapted for use in many different areas and soil conditions because of the comprehensive range of optional equipment.



The frame of the SAPHIR All 401, 501 and 601 flat cultivator is built in two parts. Folding takes place in the middle by means of large hydraulic cylinder (with integrated check valve).

The implement can easily be stored folded. The 4 bar frame with a 60 x 60 mm pipe profile is braced in many places which guarantees the highest level of stability. The heterogeneous bar distribution (510 mm-600 mm-510 mm) maximises the clogging risk.



1. Large-spring tines 45 x 12 with double spring
In case of heavy soil conditions, particularly with loam to clay soils, we recommend equipment with double springs.
2. Large-spring tines 45 x 12
Standard tines for incorporating liquid manure and for seed bed preparation in light and medium light soil.
3. Mammoth tines 60 x 12 x 690 with duck foot share
The duck foot share has a working width of 200 mm. It is intended for all-over, flat stubble cultivation and for the mechanical removal of weeds.
4. Mammoth tines 60 x 12 x 690
Mammoth tines are intended for universal use for seed bed preparation, incorporating liquid manure and stubble cultivation.
5. Hercules tines 70 x 12 x 755
For particularly rough usage conditions in the 1st work step of the stubble cultivation, the Hercules tines have been designed.
6. Hercules tines 70 x 12 x 755 with duck foot share
The duck foot share has a working width of 180 mm. It is intended for all-over, flat stubble cultivation and for the mechanical removal of weeds.
- 7.-8. Hercules tines 70 x 12 x 755
Optionally, the Hercules tines can be fitted with a quick-change system. With this, the narrow and duck foot shares can be replaced flexibly and quickly.

Minimum soil cultivation with whole-area cut

Fitting with duck foot shares makes a cultivation of 126% of the area at a working depth of 2-3 cm possible. This results in ideal prerequisites for the germination behaviour of the seeds. The soil is protected against evaporation through the mulching support and interruption of the capillarity.



ALLSTAR PROFI FLAT CULTIVATOR



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The double tilling roller consists of two tilling rollers with Ø 350 mm. They are intended for seed bed preparation and mechanical weed control on medium to heavy soil. The cleats remove the soil from root balls. Because the re-compaction of this roller is low, the weeds can be brought to the surface by the following harrow. The soil pressure of the rear roller can be adjusted using the adjustable spindles (optimum approx. front 40%/rear 60%).



When used for stubble cultivation on medium and heavy soils, the roof ring roller compacts the soil in strips. This provides optimum conditions for a uniform accumulation of self-grown grain as well as weed seeds and also protects the soil from erosion. In the seed bed preparation, a high re-compaction is reached to achieve the best possible field sprouting of the following crop. The roof ring roller is suitable for all soil conditions.



The 540 mm diameter U profile ring roller offers a wide range of uses and can be used in various ways. The U-profile ring absorbs soil and thus solidifies in the "Soil to Soil" process. It thus leaves behind an open-pore soil surface.



The following harrow is used for mechanical control of root weeds. They are combed out and placed on the soil for drying. In addition, the soil horizon is crumbled to improve the accumulation of the self-sown grain.



Small seed sowers with a capacity of 200 - 500 litres are available for sowing catch crops. Using 8 baffles, the seeds are directly distributed in front of the trailing roller. The seed is incorporated in the upper 2-3 cm. This ensures a uniform field emergence.

Technical data	AllStar 301 Profi	AllStar 401 Profi	AllStar 501 Profi	AllStar 601 Profi
Approx. working width (m)	3,00	4,00	5,00	6,00
Approx. transport width (m)	3,00	2,55	2,55	2,55
Frame design	rigid	hydraulically foldable	hydraulically foldable	hydraulically foldable
Total number of tines	21	27	33	41
Number of tines in Row	5	6	8	10
Number of tines in Row	6	7	9	11
Number of tines in Row	5	7	8	10
Number of tines in Row	5	7	8	10
Line distance approx. (mm)	143	143	143	143
Approx. working depth in (cm)	2 - 15	2 - 15	2 - 15	2 - 15
Operating speed (km/h)	8 - 18	8 - 18	8 - 18	8 - 18
Power requirement approx. (kW/HP)	44/60	59/80	75/100	90/120
3-point attachment	Cat. II/III	Cat. II /III	Cat. II / III	Cat. II /III
Weight without trailing roller	580	900	1.000	1.100

Series equipment

- 45 x 12 mm large-spring tines
- 4-row frame structure
- Lighting system incl. warning panels
- AllStar 401, 501, 601: two-part frame structure with hydraulic folding (1 x dw required)
- KENNFIXX couplings for ergonomic coupling and uncoupling
- Frame made of thick-walled profile pipe 60 x 60 mm for particularly high service life
- Different row distances (510mm-600mm-510mm) for an optimised soil flow
- High ramp rates and 100% undercut for mechanical weed control for the optimal use in the Cleanfield system

Note: There is no following roller included in the basic price. The machines are supplied fully assembled. If necessary, the trailing rollers are dismantled for transport reasons.

Model	Order-No.	€/piece
AllStar 301 Profi	593.00625.GE301-3	4.330,00 €
AllStar 401 Profi	593.00624.GE401-3	6.340,00 €
AllStar 501 Profi	593.00626.GE501-3	6.920,00 €
AllStar 601 Profi	593.00627.GE601-3	7.660,00 €

1. Track eradicator tines



Optional extras	Order-No.	Approx. weight in kg	€/piece
Track loosener tines (4 pieces)			
For all working widths	593135675	20	1.070,00 €

ALLSTAR PROFI FLAT CULTIVATOR



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2. Tines field

The SAPHIR flat cultivators can be equipped with different tines in each row. Please find the number of tines in the technical details and quote the row + tine name in the purchase order.

Note: The following table includes all tines in additional cost / piece.



Equipment	Order-No.	Approx. weight in kg	€/piece
45 x 12 large spring tines			
with reinforced share	5931208381	6	Series
Double spring (additional price for standard version) for large spring tines 45 x 12	593135629	3	21,00 €
60 x 12 x 690 mammoth tines (additional price for standard version)			
with reinforced share	593135274	9	42,00 €
with duck foot share 180 mm	593135275	9	47,00 €
70 x 12 x 755 Hercules tines (additional price for the standard version)			
with reinforced narrow share 50 mm	593135276	12	62,00 €
with quick change system narrow share 50 mm	593003202	13	110,00 €
with duck foot share 180 mm	593135277	13	66,00 €
with quick change system duck foot share 180 mm	593003203	13	115,00 €
with heavy-duty narrow share 55 mm	593004049	13	130,00 €
with heavy-duty duck foot share 200 mm	593004050	14	135,00 €

3. Levelling



Equipment	Order-No.	Approx. weight in kg	€/piece
AllStar drag tine pairs			
AllStar 301 Profi drag tine set with 5 pairs of drag tines	593135640-2	28	470,00 €
AllStar 401 Profi drag tine set with 6 pairs of drag tines	593135620-2	35	570,00 €
AllStar 501 Profi drag tine set with 8 pairs of drag tines	593135630-2	49	750,00 €
AllStar 601 Profi drag tine set with 10 pairs of drag tines	593135631-2	63	930,00 €



Equipment	Order-No.	Approx. weight in kg	€/piece
AllStar levelling rail			
AllStar 301 Profi levelling rail one-part	593003887	70	760,00 €
AllStar 401 Profi levelling rail three-part	593003888	180	1.420,00 €
AllStar 501 Profi levelling rail three-part	593003889	190	1.530,00 €
AllStar 601 Profi levelling rail three-part	593003890	200	1.640,00 €



Equipment	Order-No.	Approx. weight in kg	€/piece
Edge baffle plates AllStar	593003438	80	630,00 €

4. Depth guide



Equipment	Order-No.	Approx. weight in kg	€/piece
Blade carrying wheels Ø 500 mm			
AllStar 301 Profi: 2 pieces	593135648-2	30	870,00 €
AllStar 401, 501, 601 Profi: 4 pieces	593135632-2	60	1.860,00 €



Equipment	Order-No.	Approx. weight in kg	€/piece
Pneumatic rear support wheels (23x8.50-12 / Ø 575 mm; incl. track loosener tines)			
AllStar 301 Profi: 2 pieces	593003883	150	1.750,00 €
AllStar 401 Profi: 4 pieces	593003884	270	3.290,00 €
AllStar 501 Profi: 4 pieces	593003885	280	3.290,00 €
AllStar 601 Profi: 4 pieces	593003886	290	3.290,00 €

5. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/piece
Crumbling roller Ø 350 mm			
AllStar 301 Profi	593135624-2	160	1.400,00 €
AllStar 401 Profi	593135621-2	250	2.300,00 €
AllStar 501 Profi	593135625-2	290	2.460,00 €
AllStar 601 Profi	593135626-2	320	2.910,00 €
Ø 350 mm double crumbling roller			
AllStar 301 Profi	593135668-2	320	2.780,00 €
AllStar 401 Profi	593135669-2	480	4.490,00 €
AllStar 501 Profi	593135670-2	540	4.840,00 €
AllStar 601 Profi	593135671-2	640	5.810,00 €
Ø 500 mm tube bar roller			
AllStar 301 Profi	593135623-2	190	1.750,00 €
AllStar 401 Profi	593135622-2	310	2.780,00 €
AllStar 501 Profi	593135627-2	350	2.910,00 €
AllStar 601 Profi	593135628-2	380	3.350,00 €
Roof ring roller Ø 600 mm			
AllStar 301 Profi	593000516-2	340	2.850,00 €
AllStar 401 Profi	593135679-2	550	4.870,00 €
AllStar 501 Profi	593135680-2	630	5.130,00 €
AllStar 601 Profi	593135681-2	680	5.410,00 €
U-profile ring roller Ø 540 mm			
AllStar 301 Profi	593002174-2	350	3.260,00 €
AllStar 401 Profi	593002175-2	570	5.200,00 €
AllStar 501 Profi	593002176-2	640	5.540,00 €
AllStar 601 Profi	593002177-2	700	5.900,00 €
Spring stamp roller Ø 550 mm			
AllStar 301 Profi	593001426-2	420	4.110,00 €
AllStar 401 Profi	593003108-2	560	6.780,00 €
AllStar 501 Profi	593003109-2	700	7.170,00 €
AllStar 601 Profi	593003110-2	840	8.210,00 €

6. Following harrow



Equipment	Order-No.	Approx. weight in kg	€/piece
Following harrow for tilling roller/double tilling roller			
AllStar 301 Profi	593135641-2	90	980,00 €
AllStar 401 Profi	593135652-2	120	1.150,00 €
AllStar 501 Profi	593135636-2	150	1.680,00 €
AllStar 601 Profi	593135637-2	180	1.780,00 €
Following harrow			
AllStar 301 Profi	593135642-2	90	980,00 €
AllStar 401 Profi	593135653-2	120	1.150,00 €
AllStar 501 Profi	593135638-2	150	1.680,00 €
AllStar 601 Profi	593135639-2	180	1.780,00 €

4. Mounting platform for SAPHIR DrillStar incl. assembly costs - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
DrillStar kit (platform and ladder) incl. assembly - ex works			
AllStar 301 Profi	593003140	120	1.640,00 €
AllStar 401, 501, 601 Profi	593002570	120	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

ALLSTAR LONGLINE FLAT CULTIVATOR



NEW!



The AllStar Longline models stand out from the general cultivator market with 8 tool bars. With a line spacing of 130mm, this series combines maximum throughput with the most intensive processing. Equipped with goose a full-surface undercut of up to 140% is achieved. This expands the range of applications enormously. The machine can optionally be equipped with front and rear wheels or rollers (crumbler or pipe roller) so that the soil can be laid down loosely. A follow-up harrow is also available as an option. Due to the power flow-optimized design and the absence of heavy rollers, the series is easy to pull and therefore allows a maximum Working width of 7.5m in three-point.

Standard equipment

- Hercules tines 70 x 12 x 755 with reinforced narrow share
- 8-beam frame structure
- Lighting system including warning signs
- AllStar 400, 500, 600, 750: two-part frame structure with hydraulic folding device (1xdw required)
- Power flow-oriented frame construction for a particularly long service life

Technical Data	AllStar 300 Longline	AllStar 400 Longline	AllStar 500 Longline	AllStar 600 Longline	AllStar 750 Longline
Approx. working width (m)	3,00	4,00	5,00	6,00	7,50
Approx. transport width (m)	3,00	2,90	2,90	2,90	2,90
Frame design	rigid	hydraulically foldable	hydraulically foldable	hydraulically foldable	hydraulically foldable
Theoretical line spacing approx. (mm)	130	130	130	130	130
Total number of tines	23	31	39	45	57
Tine type	70x12 tines	70x12 tines	70x12 tines	70x12 tines	70x12 tines
Number of tines in Row 1	3	3	5	5	7
Number of tines in Row 2	2	4	4	6	8
Number of tines in Row 3	3	4	5	5	7
Number of tines in Row 4	3	4	5	6	7
Number of tines in Row 5	3	4	5	6	7
Number of tines in Row 6	3	4	5	6	7
Number of tines in Row 7	3	4	5	6	7
Number of tines in Row 8	3	4	5	5	7
Approx. working depth in (cm)	2-15	2-15	2-15	2-15	2-15
Working speed (km / h)	5-15	5-15	5-15	5-15	5-15
Power requirement approx. (KW / PS)	44/60	59/80	75/100	90/120	117/160
UL connection	Cat. II/III	Cat. II/III	Cat. II/III	Cat. II/III	Cat. II/III
Weight without trailing roller approx. (kg)	1.000	1.400	1.600	1.800	2.100

Model	Order-No.	€/piece
AllStar 300 Longline	593.00627.LL300	7.980,00 €
AllStar 400 Longline	593.00627.LL400	11.320,00 €
AllStar 500 Longline	593.00627.LL500	12.720,00 €
AllStar 600 Longline	593.00627.LL600	14.500,00 €
AllStar 750 Longline	593.00627.LL750	16.490,00 €

1. Depth guide



Equipment	Quantity	Order-No.	Approx. weight in kg	€/kit
Feeler wheels, front attachment Ø 450 mm				
AllStar 600 Longline	2	593004204	100	1.530,00 €
AllStar 750 Longline	2	593004204	100	1.530,00 €
Support wheels, rear attachment Ø 575 mm				
AllStar 300 Longline	2	593003883	150	1.750,00 €
AllStar 400 Longline	4	593003884	270	3.290,00 €
AllStar 500 Longline	4	593003885	280	3.290,00 €
AllStar 600 Longline	4	593003886	290	3.290,00 €
AllStar 750 Longline	4	593004201	320	3.290,00 €

ALLSTAR LONGLINE FLAT CULTIVATOR

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2. Duck foot share



Equipment	Order-No.	€ /kit
Duck foot share 180 mm	Quantity 56050 504027	
AllStar 300 Longline	23	105,00 €
AllStar 400 Longline	31	140,00 €
AllStar 500 Longline	39	175,00 €
AllStar 600 Longline	45	200,00 €
AllStar 750 Longline	57	260,00 €

3. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/Stück
Tilling roller Ø 350 mm			
AllStar 300 Longline	593135624-2	160	1.400,00 €
AllStar 400 Longline	593135621-2	250	2.300,00 €
AllStar 500 Longline	593135625-2	290	2.460,00 €
AllStar 600 Longline	593135626-2	320	2.910,00 €
AllStar 750 Longline	593005140	350	3.490,00 €
Tube bar roller Ø 500 mm			
AllStar 300 Longline	593135623-2	190	1.750,00 €
AllStar 400 Longline	593135622-2	310	2.780,00 €
AllStar 500 Longline	593135627-2	350	2.910,00 €
AllStar 600 Longline	593135628-2	380	3.350,00 €
AllStar 750 Longline	593005141	430	4.020,00 €

4. Following harrow



Equipment	Order-No.	Approx. weight in kg	€/kit
Following harrow for tilling roller/double tilling roller			
AllStar 300 Longline	593135641-2	90	980,00 €
AllStar 400 Longline	593135652-2	120	1.150,00 €
AllStar 500 Longline	593135636-2	150	1.680,00 €
AllStar 600 Longline	593135637-2	180	1.780,00 €
AllStar 750 Longline	593004659-1	200	2.300,00 €
Following harrow			
AllStar 300 Longline	593135642-2	90	980,00 €
AllStar 400 Longline	593135653-2	120	1.150,00 €
AllStar 500 Longline	593135638-2	150	1.680,00 €
AllStar 600 Longline	593135639-2	180	1.780,00 €
AllStar 750 Longline	593004659	200	2.300,00 €

5. Mounting platform for SAPHIR DrillStar incl. assembly costs - ex works



Equipment	Order-No.	Approx. weight in kg	€/kit
DrillStar kit (platform and ladder) incl. assembly - ex works			
AllStar 300 Longline	593003140	120	1.640,00 €
AllStar 400, 500, 600, 750 Longline	593002570	120	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

NEW!



DISCSTAR KID SHORT DISC HARROW

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The non-angle disc arrangement for an unrivalled work result!

The SAPHIR "DiscStar Kid" models offer compact short disc harrows with many advantages. These short disc harrows are especially designed for the application in speciality crops. Large disc diameters, perfect disc arrangement and compact design are the features of short disc harrows that make it an easy-to-pull machine for narrow gauge and small tractors.



Compact design for narrow gauge tractors and the application in special crops. Available in working widths of 1.25 - 2.00 m. The disc size of Ø 560 mm provides for a safe passage.



Side guide plates as standard for exact connecting runs and minimized soil throw outside of the working width.



Maintenance-free, dust-tight bearings from with especially long service life.



The non-angle disc arrangement prevents the machine from „jumping“ at high working speed and ensures light entry into the soil even on dry soil conditions. The machines are easy to pull.



Adjustment of working depth through socket pins without the use of tools. Optional fitting possible with SAPHIR DrillStar.

DISCSTAR KID SHORT DISC HARROW

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Technical data	DiscStar 125 Kid	DiscStar 150 Kid	DiscStar 175 Kid	DiscStar 200 Kid
Approx. working width (m)	1,25	1,50	1,75	2,00
Approx. transport width (m)	1,25*	1,50*	1,75*	2,00*
Frame design	rigid	rigid	rigid	rigid
Number of discs	10	12	14	16
Disc diameter approx. (mm)	560	560	560	560
Approx. working depth in (cm)	3 - 15	3 - 15	3 - 15	3 - 15
Operating speed (km/h)	10 - 20	10 - 20	10 - 20	10 - 20
Power requirement approx. (kW/HP)	29/40	33/45	37/50	40/55
3-point attachment	Cat. I/II	Cat. I/II	Cat. I/II	Cat. I/II
Weight with tube bar roller Ø 500 mm (series)	620	675	750	825

*without edge guide plates (with edge guide plates 25 cm more)

Series equipment

- Three point linkage Cat. I/II
- Disc size Ø 560 mm for safe passage
- Individually suspended and locked discs for optimum adaptation to soil
- Stone guard via rubber spring elements
- Tube bar roller Ø 500 mm for depth control
- Maintenance-free bearings ensure long service life

Model	Order-No.	€/piece
DiscStar 125 Kid	593.01520.DS125	4.870,00 €
DiscStar 150 Kid	593.01521.DS150	5.580,00 €
DiscStar 175 Kid	593.01522.DS175	6.370,00 €
DiscStar 200 Kid	593.01523.DS200	7.090,00 €

Assembly costs: Machine is supplied fully fitted. The trailing roller is dismantled for transport reasons, if necessary.

1. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
DiscStar 125 Kid	593002912	90	Series
DiscStar 150 Kid	593002913	110	Series
DiscStar 175 Kid	593002914	125	Series
DiscStar 200 Kid	593002915	140	Series



Roof ring roller with traction bars Ø 600 mm (additional price for the standard version with tube bar roller)			
DiscStar 125 Kid	593002844	150	710,00 €
DiscStar 150 Kid	593002845	180	810,00 €
DiscStar 175 Kid	593002846	210	900,00 €
DiscStar 200 Kid	593002847	240	990,00 €

2. Lighting system incl. warning signs



Equipment	Order-No.	Approx. weight in kg	€/piece
Lighting system DiscStar Kid			
Suitable for all types	593002848	20	590,00 €

3. DrillStar kit (platform and ladder) incl. assembly - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
DrillStar kit (platform and ladder) incl. assembly - ex works			
Additional price for the standard version	593003158	50	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

DISCSTAR ECOLINE SHORT DISC HARROW

Product video



The non-angle disc arrangement for an unrivalled work result!

The SAPHIR short disc harrow Ecoline is the ideal partner for the plane and intensively mixing stubble cultivation. Incorporation of solid manure as well as high amounts of organic residues like maize straw and grain straw are counted among the strengths of the machine. Further fields of application are breaking of flat fallows, seed bed preparation, incorporation of liquid manure and the sowing of catch crops.

The SAPHIR DiscStar Ecoline is a compact disc harrow with laminated spring elements mounted as standard stone guard. With this, the discs also work safely on stony and heavy soils and remain free from clogging. This form of overload protection features a wide escape angle.



The compact and especially robust frame structure also withstands the toughest operating conditions. In addition, the bar distance of 800 mm guarantees working without clogging.



The serrated hollow discs with a diameter of 560 mm are mounted to dust-tight and maintenance-free high-quality bearings having a particularly long service life. Due to the disc setting without overlapping (non-angle), high working quality is combined with minimum disc wear.



The leaf spring elements guarantee a highest possible escape angle of the discs and act as automatic overload protection. In this way, the discs can process deep tracks and uneven patches without problems. Especially suitable for extremely stony soil.



Three point linkage Cat. II incl. quick coupling bar for fast coupling and uncoupling of the machine to the tractor.



Side guide plates as standard for connecting runs without forming of ridges. The side guide plate can be adapted individually to the soil conditions.

DISCSTAR ECOLINE SHORT DISC HARROW

02

SOIL CULTIVATION

Technical data	DiscStar 306 Ecoline
Approx. working width (m)	3,00
Approx. transport width (m)	3,00
Frame design	rigid
Number of discs	24
Disc diameter approx. (mm)	560
Approx. working depth in (cm)	3 - 15
Operating speed (km/h)	12 - 20
Power requirement approx. (kW/HP)	59/80
3-point attachment	Cat. II
Weight with tube bar roller Ø 500 mm (series)	1.150

Series equipment

- Three point linkage Cat. II
- Disc diameter Ø 560 mm for safe passage
- Individually suspended and locked discs for an optimum soil adaptation
- Stone guard via laminated spring elements
- Tube bar roller Ø 500 mm for depth control
- Maintenance-free bearing with especially long service life
- Lighting system incl. warning panels
- Side guide plates for exact connecting runs
- Folding and adjustable side discs

Model	Order-No.	€/piece
DiscStar 306 Ecoline	593.00682.DS306	8.990,00 €

Assembly costs: The machine is supplied fully assembled. The trailing roller is dismantled for transport reasons, if necessary.

1. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
DiscStar 306 Ecoline	593002892	210	Series



Roof ring roller with traction bars Ø 600 mm (additional price for the standard version with tube bar roller)			
DiscStar 306 Ecoline	593002826	360	1.120,00 €



U-profile ring roller Ø 540 mm (additional price for the standard version with tube bar roller)			
DiscStar 306 Ecoline	593002830	400	1.520,00 €



Spring stamp roller Ø 550 mm (additional price for the standard version with tube bar roller)			
DiscStar 306 Ecoline	593002834	420	2.360,00 €



Rubber roller Ø 500 mm (additional price for the standard version with tube bar roller)			
DiscStar 306 Ecoline	593002968	540	2.690,00 €

2. Following harrow



Equipment	Order-No.	Approx. weight in kg	€/piece
Following harrow			
DiscStar 306 Ecoline	593002822	90	1.340,00 €

3. DrillStar kit (platform and ladder) incl. assembly - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
DrillStar kit (platform and ladder) incl. assembly - ex works			
DiscStar 306 Ecoline	593003159	120	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

DISCSTAR PROFI SHORT DISC HARROW

Product video



The non-angle disc arrangement for an unrivalled work result!

The SAPHIR DiscStar Profi is the ideal machine for the plane and intensively mixing stubble cultivation. Incorporation of solid manure as well as high amounts of organic residues are counted among the strengths of this machine. Further fields of application are breaking of catch crops as well as flat fallows and incorporation of liquid manure. In the preparation of seed bed, the DiscStar Profi is characterized by its high fine earth production in the mulch tilling as well as on the ploughed land. A very low fuel consumption as well as minimum material wear are the unique features here.

The SAPHIR DiscStar Profi short disc harrows are characterised by stone protection through polyurethane rubber elements. The versatile equipment variants allow for an optimum configuration of the machine for any desired application.



Because of the new SAPHIR non-angle disc arrangement (no undergrip of the discs), the machine can easily be set up and guarantees smooth working without lateral forces and clogging.

- Low lateral forces, hence no lateral pulling at the machine. Important for steering systems (RTK/GPS).
- Swinging up of the machine not possible.



- Throwing up of soil near the ground from the first to the second disc row. This leads to intensive mixing effect and minimum fuel consumption.
- Uniform working pattern, since the second row of discs lets the soil pass without hindrance.
- High organic residues can be incorporated uniformly because of the trouble-free passage of the soil mulch. No straw dumps are generated.
- Seamless connecting trips through low throwing up of soil and side guide plates.
- Compact design



The frame is folded hydraulically for machines starting with a working width of 4.0 m. The three-part frame can be folded to a transport width smaller than 3.00 metres to become compact and have a low transport height.



The high passage of the discs allows the very compact design of the machine. This makes it possible that the short disc harrows with three-point attachment and wide working width can be towed by tractors of low performance classes. The front axle relief is low. This increases the efficiency of the tractor enormously.



For increasing the operational utilisation, we are offering a hydraulic three-point linkage for the DiscStar 305 Profi that allows the additional installation of a mechanical sowing machine. With this, seed bed preparation and sowing of catch crops or main crops can be done in the mulch seed in one passage. Even on ploughed surfaces, the DiscStar discs achieve a high crumbling and levelling effect.



Low wear of the discs due to small contact surfaces with the soil and complete self-propulsion of the disc. There is no friction between the discs and the soil, which minimises wearing of the discs. The serrated hollow discs with a diameter of Ø 560 mm are mounted individually with dust-tight and maintenance-free high-quality bearings.

DISCSTAR PROFI SHORT DISC HARROW

02

SOIL CULTIVATION

Technical data	DiscStar 305 Profi	DiscStar 405 Profi	DiscStar 505 Profi	DiscStar 605 Profi
Approx. working width (m)	3,00	4,00	5,00	6,00
Approx. transport width (m)	3,00	3,00	3,00	3,00
Frame design	rigid	hydraulically foldable	hydraulically foldable	hydraulically foldable
Number of discs	24	32	40	48
Disc diameter approx. (mm)	560	560	560	560
Approx. working depth in (cm)	3 - 15	3 - 15	3 - 15	3 - 15
Operating speed (km/h)	8 - 20	8 - 20	8 - 20	8 - 20
Power requirement approx. (kW/HP)	56/80	88/120	110/150	125/170
3-point attachment	Cat. II/III	Cat. III	Cat. III	Cat. III
Weight in standard design	1.350	2.450	2.840	3.200

Series equipment

- Disc size Ø 560 mm
- Individually suspended discs
- Stone guard via rubber spring elements
- Tube bar roller Ø 500 mm
- Folding and height-adjustable edge discs
- Maintenance-free quality bearing
- Hydraulic folding starting with DiscStar 405 Profi (1 x DW)
- Kennfixx hydraulic couplings
- Lighting system incl. warning panels

Model	Order-No.	€/piece
DiscStar 305 Profi	593.00683.DS305	10.980,00 €
DiscStar 405 Profi	593.00684.DS405	18.220,00 €
DiscStar 505 Profi	593.00685.DS505	22.700,00 €
DiscStar 605 Profi	593.00686.DS605	25.900,00 €

Note: Machine is supplied fully fitted. The trailing roller is dismantled for transport reasons.

1. Depth guide

Equipment	Order-No.	Approx. weight in kg	€/piece
Hydraulic depth setting (on block via clip adjustment)			
DiscStar 305 Profi (1 x dw required)	593003099	20	660,00 €
DiscStar 405 Profi (1 x dw required)	593003067	40	1.630,00 €
DiscStar 505 Profi (1 x dw required)	593003107	40	1.630,00 €
DiscStar 605 Profi (1 x dw required)	593003090	40	1.630,00 €

3. Following harrow

Equipment	Order-No.	Approx. weight in kg	€/piece
Following harrow			
DiscStar 305 Profi	593002822	90	1.340,00 €
DiscStar 405 Profi	593002823	120	1.780,00 €
DiscStar 505 Profi	593002824	150	2.080,00 €
DiscStar 605 Profi	593002825	180	2.410,00 €

2. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
DiscStar 305 Profi	593002892	210	Series
DiscStar 405 Profi	593002893	280	Series
DiscStar 505 Profi	593002894	350	Series
DiscStar 605 Profi	593002895	420	Series
Roof ring roller with traction bars Ø 600 mm (additional price for the standard version with tube bar roller)			
DiscStar 305 Profi	593002826	360	1.120,00 €
DiscStar 405 Profi	593002827	480	1.620,00 €
DiscStar 505 Profi	593002828	600	1.930,00 €
DiscStar 605 Profi	593002829	720	2.190,00 €
U-profile ring roller Ø 540 mm (additional price for the standard version with tube bar roller)			
DiscStar 305 Profi	593002830	400	1.520,00 €
DiscStar 405 Profi	593002831	530	2.300,00 €
DiscStar 505 Profi	593002832	670	2.750,00 €
DiscStar 605 Profi	593002833	800	3.190,00 €
Spring stamp roller Ø 550 mm (additional price for the standard version with tube bar roller)			
DiscStar 305 Profi	593002834	420	2.360,00 €
DiscStar 405 Profi	593002835	560	3.150,00 €
DiscStar 505 Profi	593002836	700	3.700,00 €
DiscStar 605 Profi	593002837	840	4.230,00 €
Rubber roller Ø 500 mm (additional price for the standard version with tube bar roller)			
DiscStar 305 Profi	593002868	540	2.690,00 €
DiscStar 405 Profi	593002869	720	3.590,00 €
DiscStar 505 Profi	593002870	900	4.340,00 €
DiscStar 605 Profi	593002871	1.080	5.020,00 €

4. Hydraulic three-point linkage for sowing machine (only for DiscStar 305 Profi)



Equipment	Order-No.	Approx. weight in kg	€/piece
Three-point linkage for sowing machine			
DiscStar 305 Profi (1 x DW required) Not possible in combination with the trailing harrow.	593002838	200	1.580,00 €

5. DrillStar kit (platform and ladder) incl. assembly - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
DrillStar kit (platform and ladder) incl. assembly - ex works			
DiscStar Profi	593003141	120	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

6. Manure kit (individual fitting of the machine for using directly at the manure vessel)

Equipment	Order-No.	€/piece
6. Manure kit (individual fitting of the machine for using directly at the manure vessel)		
DS 305 - 605	593GülleKit	On demand

7. Additional weights



Equipment	Order-No.	€/piece
Additional weight set 160 kg	593003586	490,00 €
Additional weight set 320 kg	593003587	930,00 €

DISCSTAR F PROFI SHORT DISC HARROW



The non-angle disc arrangement for an unrivalled work result!

The SAPHIR short disc harrow DiscStar F Profi is the ideal partner for the plane and intensively mixing stubble cultivation. Incorporation of solid manure as well as high amounts of organic residues are counted among the strengths of this machine. Further fields of application are breaking of catch crops as well as flat fallows and incorporation of liquid manure. In the preparation of seed bed, the DiscStar F Profi features fine earth production in the mulch-till as well as on the ploughed land.

The models DiscStar F Profi have a transport chassis with compressed air braking system as a standard. Using this, even the tractors with a low lifting force can use these powerful machines.

A TÜV assessment is necessary for making trips in public traffic.



As a standard, the machine is connected with the tractor using a Cat. III attachment. All hydraulic hoses, compressed air hoses and lighting cables are conveniently stowed in the hose store.



The optional balance-board provides for exact levelling of the soil in the seed bed preparation. Furthermore, straw nests and uneven patches of soil are distributed in stubble cultivation.



The serrated hollow discs with a diameter of Ø 560 mm are mounted individually at the dust-tight and maintenance-free quality bearings.



In the DiscStar Profi models, each disc is secured individually by means of elastic rubber spring elements. With this, each hollow disc can individually adjust to the soil contour, so that tracks cannot be filled up but can be cultivated without limitation. Furthermore, the discs allow the most possible passage with big amounts of organic mass compared with discs that are arranged in pairs.



Fast hydraulic lifting on the headland and optional hydraulic adaptation of working depth. In working position, the chassis is swivelled out of the cultivation horizon.



The standard chassis with tyres 500/50-17 and the compressed air brake system provides for safe road travel and high lifting height at the headland.



The side panels are hydraulically locked against unintentional folding out by a lock valve. The standard lighting system provides for safe road transport.

DISCSTAR F PROFI SHORT DISC HARROW

02

SOIL CULTIVATION

Technical data	DiscStar 505 F Profi	DiscStar 605 F Profi
Approx. working width (m)	5,00	6,00
Approx. transport width (m)	3,00	3,00
Frame design	hydraulically foldable	hydraulically foldable
Number of discs	40	48
Disc diameter approx. (mm)	560	560
Approx. working depth in (cm)	3 - 15	3 - 15
Operating speed (km/h)	12 - 20	12 - 20
Power requirement approx. (kW/HP)	125/170	140/190
3-point attachment (lower linkage)	Cat. III	Cat. III
Weight with tube bar roller Ø 500 mm (series)	4.040	4.400

Series equipment

- Disc size Ø 560 mm
- Individually suspended discs
- Stone guard via rubber spring elements
- Tube bar roller Ø 500 mm
- Folding and height-adjustable side discs
- Maintenance-free quality bearing
- Hydraulic folding (1 x DW necessary)
- Chassis (1 x DW necessary) with tyres 500/50-17
- Compressed air brake system
- Kennfixx hydraulic couplings
- Lighting system incl. warning panels

Model	Order-No.	€/piece
DiscStar 505 F Profi	593.00685.DS505F	32.410,00 €
DiscStar 605 F Profi	593.00686.DS605F	35.630,00 €

Note: Machine is supplied fully fitted.

1. Hydraulic balance board



Equipment	Order-No.	Approx. weight in kg	€/piece
Hydraulic balance board			
DiscStar 505 F Profi (1 x dw required)	593002841	460	4.440,00 €
DiscStar 605 F Profi (1 x dw required)	593002842	550	4.900,00 €

4. Following harrow



Equipment	Order-No.	Approx. weight in kg	€/piece
Following harrow			
DiscStar 505 F Profi	593002824	150	1.930,00 €
DiscStar 605 F Profi	593002825	180	2.250,00 €

2. Depth guide



Equipment	Order-No.	Approx. weight in kg	€/piece
Hydraulic depth setting (on block via clip adjustment)			
DiscStar 505 F Profi (1 x dw required)	593003111	10	1.630,00 €
DiscStar 605 F Profi (1 x dw required)	593003112	10	1.630,00 €



Equipment	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
DiscStar 505 F Profi	593002894	350	Series
DiscStar 605 F Profi	593002895	420	Series
Roof ring roller with traction bars Ø 600 mm (additional price for the standard version with tube bar roller)			
DiscStar 505 F Profi	593002828	600	1.930,00 €
DiscStar 605 F Profi	593002829	720	2.190,00 €
U-profile ring roller Ø 540 mm (additional price for the standard version with tube bar roller)			
DiscStar 505 F Profi	593002832	670	2.750,00 €
DiscStar 605 F Profi	593002833	800	3.190,00 €
Spring stamp roller Ø 550 mm (additional price for the standard version with tube bar roller)			
DiscStar 505 F Profi	593002836	700	3.360,00 €
DiscStar 605 F Profi	593002837	840	3.840,00 €
Rubber roller Ø 500 mm (additional price for the standard version with tube bar roller)			
DiscStar 505 F Profi	593002870	900	4.340,00 €
DiscStar 605 F Profi	593002871	1.080	5.020,00 €

7. Manure kit (individual fitting of the machine for using directly at the manure vessel)

Equipment	Order-No.	€/piece
Manure kit		
DS 505F - 605F	593GülleKit	On demand

5. DrillStar kit (platform and ladder) incl. assembly - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
DrillStar kit (platform and ladder) incl. assembly - ex works			
DiscStar F Profi	593003141	120	2.190,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

6. TÜV assessment

Equipment	Order-No.	€/piece
TÜV assessment 25 km/h incl. road guard for discs DiscStar F Profi	593002843	1.090,00 €

TERRASTAR PROFI CULTIVATOR



Compact and easy to pull

The SAPHIR TerraStar Profi and TerraStar S Profi wing share cultivators have already proven to be successful in soil cultivation for many years and are characterised by particularly robust structure and versatile application possibilities. The two-bar design and the high passage guarantee working without blockage. The wing shares cultivate the soil all over while the trailing hollow discs ensure intensive mixing. Several trailing rollers are available for the final optimum re-compaction.



Strong rectangular profiles make the frame particularly torsion-resistant. The wide bar spacing and the large clearance height (800 mm) ensure that work continues without blockages.



All models are equipped with wing shares as standard. The offset wing shares ensure that the soil is perfectly mixed even with flat stubble processing.



An automatic stone guard is recommended for stony or hard soil conditions (model TerraStar S Profi). Overload is prevented by a very sturdy pressure spring with grease nipples on the pivotal points. The tines are constantly reset to the operating position after overcoming the obstacle. The releasing force is 500 kg.



Hollow discs are located as standard on a spring-loaded annular plate bar (80 x 80 mm pipe profile). In addition, the hollow discs are fitted with dustproof ball bearings (closed version). The hollow discs can be both smooth or serrated and can be adjusted individually and also centrally over the whole height of the bar.



In case of the models 501 Profi, 541 Profi, 501 S Profi, the side sections are retracted using two double-action cylinders. A check valve prevents the side sections being raised unintentionally even under hard soil conditions. Under extreme soil conditions the side sections can also be secured by a bolt in the operating position. The retracted middle part can also be used for cultivation of unpaved edge strips.

TERRASTAR PROFI CULTIVATOR

02

SOIL CULTIVATION

Technical data	TerraStar 301 Profi	TerraStar 301 S Profi	TerraStar 501 Profi	TerraStar 501 S Profi	TerraStar 541 Profi
Approx. working width (m)	3,00	3,00	4,60	4,60	5,40
Approx. transport width (m)	3,00	3,00	3,00	3,00	3,00
Frame design	rigid	rigid	hydraulically foldable	hydraulically foldable	hydraulically foldable
Total number of tines	7	7	11	11	13
Number of tines in Row	3	3	5	5	6
Number of tines in Row	4	4	6	6	7
Number of hollow discs	6	6	10	10	12
Approx. working depth in (cm)	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
Operating speed (km/h)	8 - 15	8 - 15	8 - 15	8 - 15	8 - 15
Power requirement approx. (kW/HP)	66/90	66/90	100/140	100/140	117/160
3-point attachment	Cat. II/III	Cat. II/III	Cat. II/III	Cat. II/III	Cat. II/III
Stone guard	Bolt	Pressure spring	Bolt	Pressure spring	Bolt
Weight in standard design	1.120	1.420	1.950	2.390	2.160

Note: The machines are supplied fully assembled. If necessary, the trailing rollers are dismantled for transport reasons.

Series equipment

- Spring-loaded hollow discs Ø 460 mm
- Tine field with wing share system
- Tines with shear bolt lock
- For TerraStar 301 S Profi and 501 S Profi overload protection through pressure spring
- Offset wing shares
- Tube bar roller Ø 500 mm
- Lighting system incl. warning panels

Model	Order-No.	€/piece
TerraStar 301 Profi	593.00658.FG301/80-2	7.960,00 €
TerraStar 301 S Profi	593.00681.FG301/80S-2	13.480,00 €
TerraStar 501 Profi	593.00659.FG501/80-2	14.720,00 €
TerraStar 501 S Profi	593.00682.FG501/80S-2	22.550,00 €
TerraStar 541 Profi	593.00662.FG541/80-2	18.300,00 €

1. Levelling

Optional extras	Order-No.	Approx. weight in kg	€/piece
Side disc set TerraStar 301 to 541	593135655	50	580,00 €

2. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
TerraStar 301 PROFI / S PROFI	593000216-2	190	Series
TerraStar 501 PROFI / S PROFI TerraStar 541	593000219-2	420	Series
Roof ring roller Ø 600 mm with traction bars (surplus price in addition to the standard version with tube bar roller)			
TerraStar 301 PROFI / S PROFI	593000563-2	340	1.120,00 €
TerraStar 501 PROFI / S PROFI	593000564-2	670	1.930,00 €
U-profile ring roller Ø 540 mm (additional price for the standard version with tube bar roller)			
TerraStar 301 PROFI / S PROFI	593001992-2	350	1.520,00 €
TerraStar 501 PROFI / S PROFI	593002994-2	690	2.750,00 €
Spring stamp roller Ø 550 mm (additional price for the standard version with tube bar roller)			
TerraStar 301 PROFI / S PROFI	593003164-2	420	2.360,00 €
TerraStar 501 PROFI / S PROFI	593001627-2	700	3.700,00 €

3. Mounting platform for SAPHIR DrillStar incl. assembly costs



Equipment	Order-No.	Approx. weight in kg	€/piece
Kit for SAPHIR DrillStar (platform and ladder) incl. assembly			
TerraStar 301 PROFI / S-PROFI	593003139	120	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

TINESTAR PROFI CULTIVATOR



Product video



From ultra-flat to deep, the allrounder in the CleanField system!

The SAPHIR cultivator TineStar Profi from the CleanField product family is the professional and versatile solution for the intensive cultivation of arable land. Numerous equipment variants allow the free configuration to any operational requirements. The optionally available hydraulic depth adjustment and the optional hydraulic side disc folding also guarantee a particularly high usage comfort.



The new foldable cultivator TineStar Profi combines the tested advantages of TineStar 307 Profi in a modular series of the models TineStar 407 Profi as well as TineStar 527 Profi.

A compact design as well as powertrain-optimised frame structure permit one to operate this cultivator at high working depths even with the chassis of a tractor of the higher middle class.



The sturdy frame design provides a high level of operational reliability even under the most difficult conditions. The frame design based on power transmission and the high wall thickness in extremely loaded areas guarantee long service life of the machine.



The stone protection of the tine with shear bolts is recommended for light, loose-fill soil with minor stone occurrence. The share angle can be adapted to the soil conditions. The steeper the angle, the more intensive the mixing effect. In the flattest setting, the share tip works as deep as the wing share - it can be cut completely starting with a working depth of approx. 3 cm.



A dual spring stone protection is recommended for stony or hard soil conditions. The release force of the pressure spring is more than 550 kg, which allows efficient working also under the roughest conditions.



Share system

1. Share tip 80 x 14 mm with wing share 310 mm for medium depth soil cultivation (max. working depth with wing share approx. 12 cm, max. working depth without wing share approx. 25 cm)
2. Highly wear-resistant share tip 80 x 20 with wing share for medium and deep loosening at long service life (max. working depth with wing share approx. 12 cm, max. working depth without wing share approx. 25 cm)
3. Narrow share 40 x 20 mm for extremely deep loosening (approx. 30 cm)



The optimum tine arrangement and the alignment of the guide plates together offer the best possible conditions for a perfect passage and an excellent incorporation of harvest residue into the soil. Using the wing share (310 mm) a complete undercut of the soil surface is created.

TINESTAR PROFI CULTIVATOR



Levelling of uneven patches and incorporating of harvest residues is done by levellers as standard. Optionally, the spring-loaded hollow discs are available, whose bearings have lifetime lubrication and do not require any maintenance. The pressure spring system additionally protects the discs from overload and automatically adjusts the working depth to the tines.



The working depth of the TineStar Profi is set via the mechanical depth adjustment device. The following packer is strongly fixed by clips. In this way, the cultivator sits on the roller. If conditions are very dry and hard, the weight of the trailing roller can be shifted to the cultivator frame. Instead of the mechanical depth adjuster there is a hydraulic version available as an option. The working depth can easily be changed with the help of two hydraulic cylinders.



A hydraulically foldable side disc is available as an option for converting the machine easily to the transport or operating position. The hydraulic folding system is also used for the flexible folding of side discs, in order to make it easier to deal with the field edges and woods. The cylinders are installed safely in the carrier section of the side discs in order to prevent damage by stones.



A hose store is provided for the organised storage of hydraulic hoses and light system plugs. All hydraulic hoses are fitted with Kennfixx couplings as a standard.



For sowing of catch crops, the SAPHIR small seed sowers can be mounted with a content of 200-500 litres.

Technical data	TineStar 307 Profi	TineStar 307 S Profi	TineStar 407 Profi	TineStar 407 S Profi	TineStar 527 Profi	TineStar 527 S Profi
Approx. working width (m)	3,00	3,00	4,00	4,00	5,20	5,20
Approx. transport width (m)	3,00	3,00	2,50	2,50	2,50	2,50
Frame design	rigid	rigid	hydraulically foldable	hydraulically foldable	hydraulically foldable	hydraulically foldable
Frame height (mm)	750	750	750	750	750	750
Total number of tines	11	11	15	15	19	19
Number of tines in Row 1	3	3	5	5	6	6
Number of tines in Row 2	4	4	5	5	6	6
Number of tines in Row 3	4	4	5	5	7	7
Line distance approx. (cm)	27	27	27	27	27	27
Approx. working depth in (cm)	3-25	3-25	3-25	3-25	3-25	3-25
Operating speed (km/h)	5 -15	5-15	5 -15	5 -15	5 -15	5 -15
Power requirement approx. (kW/HP)	80/110	80/110	110/150	110/150	150/200	150/200
3-point attachment	CAT. II/III	CAT. II/III	CAT. II/III	CAT. II/III	CAT. II/III	CAT. II/III
Stone guard	Shear bolt	Double spring	Shear bolt	Double spring	Shear bolt	Double spring
Weight in standard design	1.420	1.820	2.290	2.830	2.500	3.190

Series equipment

- Wing share 310 mm, narrow share with baffle plate 80 mm
- Stone protection by means of shear bolts (TineStar 307 Profi)
- Stone protection by dual spring dual spring (TineStar 307 S Profi)
- Spring-loaded furrow closers
- Tube bar roller Ø 500 mm
- Mechanical depth setting
- Shear bolts magazine
- Lighting system incl. warning panels
- High ramp rates and 100% undercut for weed control for an optimal use in the Cleanfield system

Technical data	Order-No.	€/piece
TineStar 307 Profi	593.00670.MSG307	8.820,00 €
TineStar 307 S Profi	593.00670.MSG307S	12.520,00 €
TineStar 407 Profi	593.00675.MSG407	15.170,00 €
TineStar 407 S Profi	593.00675.MSG407S	20.120,00 €
TineStar 527 Profi	593.00676.MSG527	17.480,00 €
TineStar 527 S Profi	593.00676.MSG527S	23.530,00 €

TINESTAR PROFI CULTIVATOR



02

SOIL CULTIVATION

1. Tines field



2. Extensions



3. Depth setting



4. Levelling



5. Side disc folding



Equipment	Order-No.	€/Satz
Narrow share (40 mm, additional price for the standard version)		
TineStar 307/S Profi Set with 11 pieces	593002849	650,00 €
TineStar 407/S Profi Set with 15 pieces	5930028492	900,00 €
TineStar 527/S Profi Set with 19 pieces	5930028493	1.090,00 €
Heavy-duty share tip		
TineStar 307/S Profi Set with 11 pieces	593003205	650,00 €
TineStar 407/S Profi Set with 15 pieces	5930032052	900,00 €
TineStar 527/S Profi Set with 19 pieces	5930032053	1.090,00 €

Equipment	Order-No.	Approx. weight in kg	€/piece
Extension set (without trailing roller extension)			
TineStar 407 Profi to 5.20 m (series equipment)	5930036821	210	2.850,00 €
TineStar 407S Profi to 5.20 (series equipment)	5930036822	360	4.170,00 €

Equipment	Order-No.	Approx. weight in kg	€/piece
Hydraulic depth setting (additional price for the standard version)			
TineStar 307/S Profi (1 x DW required)	593002159	40	940,00 €
TineStar 407/S Profi (1 x DW required)	593003982	50	980,00 €
TineStar 527/S Profi (1 x DW required)	593003983	50	980,00 €

Equipment	Order-No.	Approx. weight in kg	€/piece
Levelling hollow discs (additional price for the standard version)			
TineStar 307/S Profi	593002165	180	1.340,00 €
TineStar 407/S Profi	593003984	220	1.240,00 €
TineStar 527/S Profi	593003985	300	2.150,00 €

Equipment	Order-No.	Approx. weight in kg	€/piece
Mechanical side disc folding			
TineStar 307/S Profi	593003118	-	Series
Hydraulic side disc folding (additional price for the standard version)			
TineStar 307/S Profi (1 x DW required)	593002160	15	690,00 €

6. Trailing rollers



Equipment	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
TineStar 307/S Profi	593000208-2	200	Series
TineStar 407/S Profi	593135622-2	310	Series
TineStar 527/S Profi	593003986	365	Series
Roof ring roller Ø 600 mm (additional price for standard version with tube bar roller)			
TineStar 307/S Profi	593000516-2	340	1.120,00 €
TineStar 407/S Profi	593135679-2	550	1.620,00 €
TineStar 527/S Profi	593003987	655	2.040,00 €
U-profile ring roller Ø 540 mm (additional price for the standard version with tube bar roller)			
TineStar 307/S Profi	593001992-2	350	1.520,00 €
TineStar 407/S Profi	593002175-2	570	2.300,00 €
TineStar 527/S Profi	593003988	665	2.860,00 €
Spring stamp roller Ø 550 mm (additional price for the standard version with tube bar roller)			
TineStar 307/S Profi	593002834	420	2.360,00 €
TineStar 407/S Profi	593003108-2	560	3.150,00 €
TineStar 527/S Profi	593003989	660	3.850,00 €

7. Following harrow



Equipment	Order-No.	Approx. weight in kg	€/piece
Following harrow			
TineStar 307/S Profi	593135642-2	90	980,00 €
TineStar 407/S Profi	593135653-2	120	1.150,00 €
TineStar 527/S Profi	593003990	160	1.750,00 €

8. Mounting platform for SAPHIR DrillStar incl. assembly costs - ex works



Equipment	Order-No.	Approx. weight in kg	€/piece
Mounting kit (platform and ladder) for SAPHIR DrillStar incl. assembly - ex works			
TineStar 307/S Profi	593002254	120	1.640,00 €

Note: Kit does not include a sow unit - please find the SAPHIR DrillStar models on pages 30-33

DEEPSTAR ECOLINE SUBSOILER



Gets to the bottom of the problems

The SAPHIR DeepStar Ecoline subsoilers are the ideal machines to eliminate soil compaction and loosen machine tracks. The water and air can be regulated significantly better up to a working depth of 80 cm. Using subsoiling increases the permeability of the soil and optimises sowing conditions. Loosening improves drainage and promotes a faster exchange of gases. This results in fast germination and promotes nutrient uptake from the soil. Soils that have been loosened deep down dry out faster and thus can be cultivated earlier.



Robust square-pipe frame for optimum power absorption.



The standard stone guard by means of shear bolts ensures a particularly long service life of plough beam and frame.



The parking supports guarantee a secure stability of the machine.



Optional tube bar roller (Ø 500 mm) for depth control and re-compaction.



Optional drainage cone for the creation of drainage channels for improved water flow.



DeepStar 1/80 Ecoline



DeepStar 2/80/160 Ecoline



DeepStar 4/80/300 Ecoline

DEEPSTAR ECOLINE SUBSOILER

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SOIL CULTIVATION

Technical data	DeepStar 1/80 Ecoline	DeepStar 2/80/160 Ecoline	DeepStar 2/80/180 Ecoline	DeepStar 3/80/180 Ecoline
Approx. working width (m)	-	1,60	1,80	1,80
Number of tines	1	2	2	3
Tine distance approx. (cm)	-	160	180	90
Approx. working depth in (cm)	80	80	80	80
Operating speed (km/h)	3 - 10	3 - 10	3 - 10	3 - 10
Power requirement approx. (kW/HP)	50/70	60/80	60/80	75/100
3-point attachment	Cat. II	Cat. II/III	Cat. II/III	Cat. II/III
Approx. weight in kg	230	415	425	555

Technical data	DeepStar 3/80/200 Ecoline	DeepStar 3/80/225 Ecoline	DeepStar 4/80/300 Ecoline	DeepStar 5/80/300 Ecoline
Approx. working width (m)	2,00	2,25	3,00	3,00
Number of tines	3	3	4	5
Tine distance approx. (cm)	100	112	95	72
Approx. working depth in (cm)	80	80	80	80
Operating speed (km/h)	3 - 10	3 - 10	3 - 10	3 - 10
Power requirement approx. (kW/HP)	75/100	75/100	95/130	130/175
3-point attachment	Cat. II/III	Cat. II/III	Cat. II/III	Cat. II/III
Approx. weight in kg	570	590	735	850

Series equipment

- rigid frame design
- Transport width below 3.0 metres for all models.
- Stone guard by means of shear bolts
- Shares can be replaced individually
- Parking support
- With broad shares (11 - 19 cm) as a standard
- Narrow share (6 - 11 cm) can be delivered upon request at extra price

Model	Order-No.	€/piece
DeepStar 1/80 Ecoline	583404875-2	1.250,00 €
DeepStar 2/80/160 Ecoline	583404876-2	2.240,00 €
DeepStar 2/80/180 Ecoline	583404874-2	2.300,00 €
DeepStar 3/80/180 Ecoline	583404877-2	2.830,00 €
DeepStar 3/80/200 Ecoline	583404881-2	2.950,00 €
DeepStar 3/80/225 Ecoline	583404883-2	3.090,00 €
DeepStar 4/80/300 Ecoline	583404882-2	3.620,00 €
DeepStar 5/80/300 Ecoline	583404878-2	3.950,00 €

Assembly costs: The machines are supplied fully assembled. Only the ploughs have to be mounted to the machine. Required time approx. 15 minutes per plough.

1. Depth guide



Equipment	Order-No.	€/piece
Set of wheels for depth guidance		
Available for DeepStar Ecoline 3/80/180 and 3/80/200	583001644-2	1.570,00 €
Ø 500 mm tube bar roller incl. attachments		
Available for DeepStar Ecoline 3/80/180 -/200 -/225	583001761-2	2.810,00 €

2. Accessories



Equipment	Order-No.	€/piece
Wide share (11-19 cm)	583000075	140,00 €
Narrow share (6-11 cm)	583000074	140,00 €
Loose plough	583000124	330,00 €
Drainage cone (Ø 60 mm)	583404879	140,00 €
Plough 60 mm (shortened design)	583000123	330,00 €
Soil probe for determining the optimum working depth	593003832	33,00 €

DEEPSTAR PROFI SUBSOILER

02

SOIL CULTIVATION



Gets to the bottom of the problems

Due to the use of heavy machinery farmland and grassland have suffered from great compaction of about 30-50 cm over the last centuries. The consequences are bad absorption of precipitation, bad water management in case of drought and reduced soil life due to unattractive soil structure. The new sub-soiler DeepStar Profi with hydraulic stone guard and a maximum working depth of 60 cm completes the sub-soiler program of SAPHIR. The versatile possibilities of trailing rollers provide an additional effective benefit for all soil conditions in one passage.



Hydraulic stone guard of the tines (releasing force 650 kg). After releasing, the tines automatically return to their working position.



Optional drainage cone for the creation of drainage channels for improved water flow



Maintenance-friendly due to individually replaceable tines and shares



Optional support wheels for depth control for DeepStar 2/60/160 and 3/60/180



Optional lighting system incl. warning signs for safe road transport

DEEPSTAR PROFI SUBSOILER

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SOIL CULTIVATION

Technische Daten	DeepStar 2/60/160 Profi	DeepStar 3/60/180 Profi	DeepStar 4/60/300 Profi	DeepStar 5/60/300 Profi
Approx. working width (m)	1,60	1,80	3,00	3,00
Approx. transport width (m)	2,20	2,40	3,00	3,00
Frame design	rigid	rigid	rigid	rigid
Number of tines	2	3	4	5
Tine distance approx. (cm)	160	90	90	70
Approx. working depth in (cm)	10 - 60	10 - 60	10 - 60	10 - 60
Operating speed (km/h)	3 - 10	3 - 10	3 - 10	3 - 10
Power requirement approx. (kW/HP)	55/75	74/100	92/125	110/150
3-point attachment	Cat. II/III	Cat. II/III	Cat. II/III	Cat. II/III
Weight in standard design	620	775	1.180	1.345

Series equipment

- Narrow share (11 cm) for vertical, easy to pull loosening
- Overload protection of tines by hydraulic cylinders and nitrogen bubble
- Parking supports for safe parking
- Kennfixx hydraulic couplings

Model	Order-No.	€/piece
DeepStar 2/60/160 Profi	583.01510.DS2-160	5.030,00 €
DeepStar 3/60/180 Profi	583.01511.DS3-180	5.930,00 €
DeepStar 4/60/300 Profi	583.01512.DS4-300	8.420,00 €
DeepStar 5/60/300 Profi	583.01513.DS5-300	9.380,00 €

1. Depth guide



Equipment	Order-No.	Approx. weight in kg	€/piece
Stabiliser set			
DeepStar 2/60/160 Profi + 3/60/180 Profi	583002820	60	1.570,00 €

Equipment	Order-No.	Approx. weight in kg	€/piece
Drainage cone Ø 60 mm			
For all models of DeepStar Profi	583002813	3	140,00 €



Equipment	Order-No.	Approx. weight in kg	€/piece
Tube bar roller Ø 500 mm (additional price for the standard version)			
DeepStar 2/60/160 Profi + 3/60/180 Profi	583002814	140	1.560,00 €

DeepStar 4/60/300 Profi + 5/60/300 Profi	583002815	190	1.900,00 €
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Roof ring roller with traction bars Ø 600 mm (additional price for the standard version)			
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DeepStar 2/60/160 Profi + 3/60/180 Profi	583002818	240	2.530,00 €
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DeepStar 4/60/300 Profi + 5/60/300 Profi	583002819	360	3.030,00 €
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Twin disc roller Ø 470 mm (additional price for the standard version)			
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DeepStar 2/60/160 Profi + 3/60/180 Profi	583002816	400	3.360,00 €
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DeepStar 4/60/300 Profi + 5/60/300 Profi	583002817	600	4.620,00 €
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4. Lighting



Equipment	Order-No.	Approx. weight in kg	€/piece
Lighting system inc. warning signs			
For all models of DeepStar Profi	583002821	20	590,00 €

5. Three-point linkage for attachment

Equipment	Order-No.	Approx. weight in kg	€/piece
Hydraulic three-point linkage (Cat. II) for additional attachment			
For DeepStar 4/60/300 Profi und 5/60/300 Profi 1 x DW required)	583002812-2	300	2.530,00 €

6. Soil probe



Equipment	Order-No.	€/piece
Soil probe for determining the optimum working depth	593003832	33,00 €

PLOWSTAR COMBI SUBSOILER

02

SOIL CULTIVATION



Stimulation of soil life in just one passage!

The specially shaped tines of the SAPHIR PlowStar subsoiler provides for a particularly good loosening of the soil. Soil is loosened over the whole working width of the machine up to a working depth of approx. 45 cm. Only a little soil is moved to the top and the ground surface remains relatively plane. The proven design of the tine guarantees easy entry into almost all soil conditions without problems. If worn, the shares and the contact plate of the tine can be replaced.



Robust square-pipe frame in V-shape for optimum power absorption.



The SAPHIR PlowStar H is fitted with a hydraulic stone guard. In case of a collision with a stone, the stone guard releases and the tine gets deflected. After passing the obstacle, the tines swivel back automatically to the working position.



Standard double support wheel set (185/65-15) for homogeneous depth control The working depth can be set comfortably and continuously via the spindle.



Especially curved tine shape for optimum loosening over the whole working width.

The standard stone guard by means of shear bolts ensures a particularly long service life of plough beam and frame.

Technical data	PlowStar	PlowStar H
Approx. working width (m)	3,00	3,00
Approx. transport width (m)	3,00	3,00
Number of tines	6	6
Stone protection	Shear bolt	hydraulic
Tine distance approx. (cm)	40	40
Approx. working depth in (cm)	45	45
Operating speed (km/h)	3 - 12	3 - 12
Power requirement approx. (kW/HP)	117/160	117/160
3-point-linkage	Cat. II/III	Cat. II/III
Approx. weight in kg	1.110	1.530

Series equipment

- Shares and attachments can be replaced individually
- Stone guard by means of shear bolts
- Double support wheels 185/65-15
- Rigid frame design

Model	Order-No.	€/piece
PlowStar	583.01514.PS6-300	8.230,00 €
PlowStar H	583.01514.PS6-300H	13.190,00 €

1. Soil probe



Equipment	Order-No.	€/piece
Soil probe for determining the optimum working depth	593003832	33,00 €

PLOWSTAR COMBI SUBSOILER

02

SOIL CULTIVATION



Stimulation of the soil life in just one passage!

The SAPHIR PlowStar COMBI subsoiler is used to break up the soil structure up to a working depth of approx. 45 cm. Due to the curved tines, soil compaction is effectively removed over the whole working width. A special feature of the SAPHIR PlowStar COMBI is that it can be combined with various attachments. Consequently, subsoiling can be combined with stubble or seed bed cultivation.



Robust square-pipe frame for optimum power absorption.



The specially shaped shares lift the subsoil and loosen it while doing so over the entire working width. System plates and share tips can be replaced, if worn out.



The standard stone guard by means of shear bolts ensures a particularly long service life of plough beam and frame. There is a three point linkage Cat. II at the back of the machine for the combination with a further attachment for stubble or seed bed cultivation (max. 1,600 kg).



PTO shaft passage for the installation of machines operated by the PTO shaft.

Technical data	PlowStar Combi
Approx. working width (m)	3,00
Approx. transport width (m)	3,00
Number of tines	6
Tine distance approx. (cm)	50
Approx. working depth in (cm)	45
Operating speed (km/h)	3 - 12
Power requirement approx. (kW/HP)	140/190
3-point-linkage	Cat. II
Approx. weight in kg	995

Series equipment

- Rigid frame design
- Three-point linkage Cat. II for further attachments
- PTO shaft passage
- Parking supports
- Share and attachment can be replaced individually

Model	Order-No.	€/piece
PlowStar Combi	583404885-2	6.810,00 €

1. Soil probe



Equipment	Order-No.	€/piece
Soil probe for determining the optimum working depth	593003832	33,00 €

FINESTAR ECOLINE SEED BED COMBINATION

02

SOIL CULTIVATION



Everything for the seed bed!

The SAPHIR seed bed combinations FineStar Ecoline are the ideal devices for preparing a fine crumbled seed bed before sowing at light and medium-heavy locations. The combination of at least three tools and thus steps of cultivation ensures a very good result of work in only one passage. In addition, due to their working widths of 6 metres, the models with three-point attachments are especially powerful.



Leading tilling roller 320 mm for levelling the soil and breaking bigger clods. In combination with the following roller, it also serves for homogeneous height control of the machine. Alternatively, a mechanical balance rail can be mounted for especially uneven soil structures with big clods.



Vibromix tines (32 x 12 mm) as standard for use on lighter soils. The vibration generates a very fine crumbling structure and moist soil is mixed in the crumb through the bent shape.

All tines are equipped with a double spring.

Optionally, it can be equipped with track loosening tines.

They loosen the tracks of the tractor and prevent compacted strips being left behind in the seed bed.



The optional Combi-flex tines (32 x 12 mm) are suited for use on stony or cloddy soils. Due to the steep position of the tines, no harvest residues and stones are conveyed on the ground surface. The vibrating tines generate a very fine crumbling structure in the seed horizon without mixing the soil. This tine is particularly not sensitive to clogging. All tines are equipped with a double spring.



The trailing double tilling roller levels the top soil horizon and leaves a very fine crumbly soil structure behind. Furthermore, the lower soil horizons are re-compacted to recover the capillary effect.

FINESTAR ECOLINE SEED BED COMBINATION

02

SOIL CULTIVATION

Technical data	FineStar 300 Ecoline	FineStar 400 Ecoline	FineStar 500 Ecoline	FineStar 600 Ecoline
Approx. working width (m)	3,00	4,00	5,00	6,00
Approx. transport width (m)	3,00	3,00	3,00	3,00
Frame design	rigid	hydraulically foldable	hydraulically foldable	hydraulically foldable
Number of tines	30	40	50	60
Line distance approx. (cm)	10	10	10	10
Approx. working depth in (cm)	3 - 8	3 - 8	3 - 8	3 - 8
Operating speed (km/h)	10 - 20	10 - 20	10 - 20	10 - 20
Power requirement approx. (kW/HP)	44/60	66/90	81/110	96/130
Approx. weight in kg	715	1.520	1.680	1.890

Series equipment

- Leading tilling roller Ø 320 mm
- Standard with Vibromix or Combiflex tines 32 x 12 mm (optionally)
- Side guard plates
- Double crumbler trailing roller with toothed rows Ø 320 mm
- Kennfixx hydraulic couplings
- Lighting system incl. warning panels

Starting from FineStar 400 Ecoline:

- Folding side parts (1 x EW required)
- Hydraulic locking of the side parts (1 x EW required)

Model	Order-No.	€/piece
FineStar 300 Ecoline	593.01500.FS300	6.660,00 €
FineStar 400 Ecoline	593.01501.FS400	11.400,00 €
FineStar 500 Ecoline	593.01502.FS500	12.560,00 €
FineStar 600 Ecoline	593.01503.FS600	14.580,00 €

Note: Machine is supplied fully fitted. The trailing roller is dismantled for transport reasons.

1. Track loosening tines



Optional equipment	Order-No.	€/piece
Track eradicator tines Set of 2 x 2 tines For all types	593002810	580,00 €

2. Leading working tools



Equipment	Order-No.	Approx. weight in kg	€/piece
Front tilling roller Ø 320 mm			
FineStar 300 Ecoline	593003125	140	Serie
FineStar 400 Ecoline	593003126	190	Serie
FineStar 500 Ecoline	593003127	230	Serie
FineStar 600 Ecoline	593003128	280	Serie
Mechanical balance rail (additional price for the standard version)			
FineStar 300 Ecoline	593003121	150	370,00 €
FineStar 400 Ecoline	593003122	200	470,00 €
FineStar 500 Ecoline	593003123	250	580,00 €
FineStar 600 Ecoline	593003124	300	690,00 €

3. Tines field



Equipment	Order-No.	Approx. weight in kg	€/piece
Vibromix tines (32 x 12 mm) with double spring			
FineStar 300 Ecoline	593003142	105	Serie
FineStar 400 Ecoline	593003143	140	Serie
FineStar 500 Ecoline	593003144	175	Serie
FineStar 600 Ecoline	593003145	210	Serie
Four-row Combiflex-tine field (32 x 12 mm) with double spring (optional, no additional costs)			
FineStar 300 Ecoline	593003146	105	Serie
FineStar 400 Ecoline	593003147	140	Serie
FineStar 500 Ecoline	593003148	175	Serie
FineStar 600 Ecoline	593003149	210	Serie

ROLLSTAR FRONT ATTACHMENT

02

SOIL CULTIVATION



Tool instead of ballast!

The front attachment programme "RollStar" made by SAPHIR offers the right equipment for each seed bed cultivation process and for soil conditions. Instead of front weights without function, front attachments are used, with which better soil structures can be generated in one passage. This improves the field sprouting and the health of the stock can be promoted.



SAPHIR RollStar CB 301 Cambridge roller with hydraulic balance-board and LED-lighting system. For preparation of seed bed on sandy and loose-fill soils.



SAPHIR RollStar TD 300 TwinDisc roller with Vibromix tine harrow for seed bed preparation on plough land with big clods.



SAPHIR FP 300 Front packer with spring-loaded balance rail. On medium and heavy loaded soil, the spring-loaded balance rail provides for intensive forced levelling of the soil. This combination presses the stones into the deeper soil layers.



Because of its high unladen weight, the SAPHIR Trigon roller TR300 provides for an intensive re-compaction. At the same time, the Trigon rings provide for a finely crumbled surface without smearing the soil horizon. The special Trigon rings do not need any scraper for working free of adhesions.



Option: The hydraulic balance board is outstandingly suitable for the intensive levelling of the seed bed and is especially suitable for light, loose-fill and stony soils. On very stony soil, the balance board drag springs press the stones in deeper soil layers.



The optional Vibromix-tine harrow is suitable for the seed bed preparation on heavy soil. Using the two-row spring tines, clods are broken and the seed horizon is crumbled. The standard double spring guarantees the durability of the tines.

ROLLSTAR FRONT ATTACHMENT

02

SOIL CULTIVATION

Technical data	RollStar CB301	RollStar TD300	RollStar FP300	RollStar TR300
Approx. working width (m)	3,00	3,00	3,00	3,00
Approx. transport width (m)	3,00	3,00	3,00	3,00
Frame design	rigid	rigid	rigid	rigid
Roller diameter approx. (mm)	530	470	700	500
Operating speed (km/h)	6 - 20	6 - 20	6 - 20	6-20
Power requirement approx. (kW/HP)	37/50	44/60	37/50	37/50
3-point attachment	Cat. II	Cat. II	Cat. II	Cat. II
Weight in standard design	1.310	953	940	1.240

Series equipment

- Three point linkage Cat. II with steering assembly
- Self-cleaning working tools
- CB301 = Cambridge roller with spheroidal cast rings (GGG50) Ø 530mm
- TD300 = Twin disc roller with two disc rows of waved discs Ø 470mm
- FP300= Front packer with packer rings of spheroidal iron (GGG50) Ø 700mm
- TR300 = Trigon roller with spheroidal iron rings (GGG50) Ø500mm
- Lighting incl. warning panels

Model	Order-No.	€/piece
RollStar CB301	593.00251.CB301	5.880,00 €
RollStar TD300	593.00251.TD300	6.100,00 €
RollStar FP300	593.00248.FP300/700	6.350,00 €
RollStar TR300	593.00248.TR300	8.240,00 €

Further working widths available on request!

Note: Machine is supplied fully fitted.

1. Front tools

Equipment	Order-No.	Approx. weight in kg	€/piece
Leading working tools hydraulic balance board (1 x dw required))	593002808	275	2.680,00 €
Leading working tools spring loaded balance rail	593003073	200	1.250,00 €
Leading working tools Vibromix harrow two-row, can be adjusted via the spindle	593002809	225	1.900,00 €



TINE WEEDER WEEDSTAR

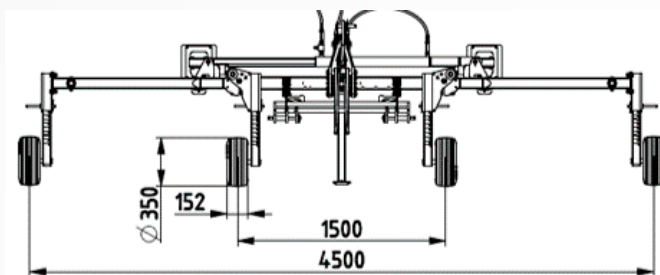


Steel knows no resistance!

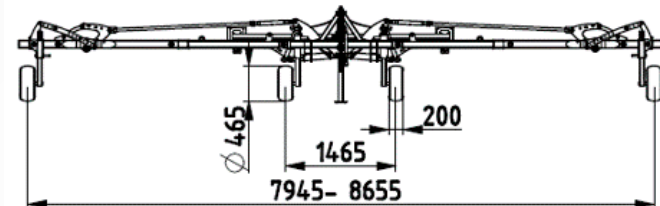
Tine weeders are an issue today not just in organic cultivation. Tine weeders have entered the field of conventional cultivation with stricter regulations and new licenses in the area of chemical crop protection. For this reason, SAPHIR is offering even today a machine for mechanical weed control, which can also work on young crops and is thus an integral part of the SAPHIR Cleanfield system.

The tine weeder WeedStar enables the mechanical weed control in the crop and in the forerun to the main crop. Owing to the high vibration capacity of the tines, which are optionally available in different strengths, the field regenerator always ensures the optimum ratio of spillage and tearing out of seedlings and weeds. The 3D tine field adjustment is an essential feature of the machine, which ensures a homogeneous cultivation. The aggressiveness of the tine field is adjusted mechanically for each field individually so that the optimum tine field setting can be found very quickly. Like this, each operation with the SAPHIR WeedStar becomes a success.

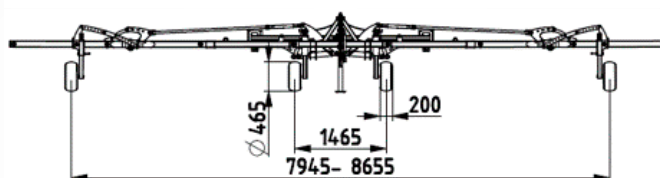
The high working speed together with the high working widths ensures an enormous power with low fuel consumption. At the same time, work processes can be combined together with a SAPHIR DrillStar.



WeedStar 600



WeedStar 900



WeedStar 1200

Technical data	WeedStar 600	WeedStar 900	WeedStar 1200
Number of tines	234	360	480
Power requirement approx. (kW/HP)	44/60	51/70	59/80
Fixing of tines	Lock system	Lock system	Lock system
Tine length approx. (mm)	450	450	450
Line distance approx. (mm)	25	25	25
Tine diameter approx. (mm)	6 / 7 / 8	6 / 7 / 8	6 / 7 / 8
Fields	3 x 2m	6 x 1,5m	8 x 1,5m
3-point attachment	Cat. I / Cat. II	Cat. I / Cat. II	Cat. I / Cat. II
Stabilisers	4	4	4
Hydraulic foldable	Ja	Ja	Ja
Approx. transport width (m)	2,20	3,00	3,00
Approx. transport height (m)	2,80	3,40	3,40
Approx. working width (m)	5,85	8,95	11,95
Approx. weight in kg	615	1250	1450

Series equipment

- Different tine strengths (6/7/8mm) without additional price
- Four support wheels as standard
- Support wheels, mechanically adjustable for depth control
- Outer support wheels can be moved on the frame (only WeedStar 900-1200)
- Parking supports
- Mechanically adjustable tines aggressiveness for each field by hole grid
- Mechanical weed control in the main crop in Cleanfield system

Model	Order-No.	€/piece
WeedStar 600	593.00628.WS600	6.260,00 €
WeedStar 900	593.00628.WS900	11.210,00 €
Weed Star 1200	593.00628.WS1200	13.410,00 €

Optional extras



Equipment	Order-No.	€/piece
Lighting system LED Design: LED	593003727	430,00 €

DrillStar building platform for WeedStar 600	593003728	1.640,00 €
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Hydraulic tine adjustment	Order-No.	€/piece
WeedStar 600	593005136	980,00 €
WeedStar 900	593005137	1.640,00 €
WeedStar 1200	593005138	2.190,00 €

SAPHIR ROLLERS

02

SOIL CULTIVATION



Model	Order-No.	Approx. weight in kg	€/piece
Ø 500 mm tube bar roller			
Approx. working width 1.00 m	593002924E	110	1.040,00 €
Approx. working width 1.25 m	593002912E	120	1.140,00 €
Approx. working width 1.50 m	593002913E	135	1.230,00 €
Approx. working width 1.75 m	593002914E	145	1.310,00 €
Approx. working width 2.00 m	593000675-2E	155	1.390,00 €
Approx. working width 2.25 m	593002927E	165	1.470,00 €
Approx. working width 2.50 m	593002257-2E	175	1.570,00 €
Approx. working width 3.00 m	593002258-2E	190	1.750,00 €

Other working widths are available on request



Model	Order-No.	Approx. weight in kg	€/piece
Crumbling roller Ø 350 mm			
Approx. working width 2.00 m	593001892-2E	125	1.150,00 €
Approx. working width 2.50 m	593001408-2E	145	1.230,00 €
Approx. working width 3.00 m	593002256-2E	160	1.400,00 €

Other working widths are available on request



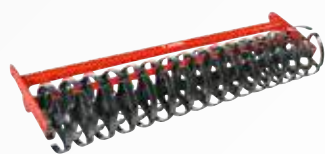
Model	Order-No.	Approx. weight in kg	€/piece
Roof ring roller Ø 600 mm (with traction bars)			
Approx. working width 1.00 m	593002902E	120	1.640,00 €
Approx. working width 1.25 m	593002844E	150	1.840,00 €
Approx. working width 1.50 m	593002845E	180	2.030,00 €
Approx. working width 1.75 m	593002846E	210	2.200,00 €
Approx. working width 2.00 m	593002847E	240	2.370,00 €
Approx. working width 2.25 m	593002906E	270	2.480,00 €
Approx. working width 2.50 m	593002259-2E	300	2.570,00 €
Approx. working width 3.00 m	593002826E	360	2.850,00 €

Other working widths are available on request



Model	Order-No.	Approx. weight in kg	€/piece
U-profile ring roller Ø 540 mm			
Approx. working width 1.00 m	593002908E	135	1.800,00 €
Approx. working width 1.25 m	593003226E	170	2.010,00 €
Approx. working width 1.50 m	593002909E	200	2.220,00 €
Approx. working width 1.75 m	593002910E	240	2.390,00 €
Approx. working width 2.00 m	593003229E	270	2.600,00 €
Approx. working width 2.25 m	593003230E	300	2.680,00 €
Approx. working width 2.50 m	593003170-2E	340	2.780,00 €
Approx. working width 3.00 m	593002830E	400	3.260,00 €

Other working widths are available on request



Model	Order-No.	Approx. weight in kg	€/piece
Spring stamp roller Ø 550 mm			
Approx. working width 1.00 m	593003227E	150	2.330,00 €
Approx. working width 1.25 m	593002916E	190	2.600,00 €
Approx. working width 1.50 m	593002917E	230	2.860,00 €
Approx. working width 1.75 m	593003228E	260	3.110,00 €
Approx. working width 2.00 m	593002997E	300	3.390,00 €
Approx. working width 2.25 m	593003231E	340	3.460,00 €
Approx. working width 2.50 m	593002998E	375	3.590,00 €
Approx. working width 3.00 m	593002834E	450	4.110,00 €

Other working widths are available on request



Model	Order-No.	Approx. weight in kg	€/piece
Rubber roller Ø 500 mm			
Approx. working width 1.00 m	593002920E	180	2.510,00 €
Approx. working width 1.25 m	593003232E	230	2.810,00 €
Approx. working width 1.50 m	593002921E	270	3.100,00 €
Approx. working width 1.75 m	593002922E	320	3.360,00 €
Approx. working width 2.00 m	593003233E	360	3.660,00 €
Approx. working width 2.25 m	593002923E	410	3.730,00 €
Approx. working width 2.50 m	593003234E	450	3.880,00 €
Approx. working width 3.00 m	593002868E	540	4.430,00 €

Other working widths are available on request



Model	Order-No.	Approx. weight in kg	€/piece
Cutting roller Ø 360 mm			
Approx. working width 3.00 m	593001999E	400	3.800,00 €

Other working widths are available on request