

VIBROSTAR

SPRING TINE UNIVERSAL SEEDBED COMBINATION

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UNIVERSAL SEEDBED COMBINATION

VIBROSTAR

Serial equipment on VIBROSTAR 4-..., 5-..., F-4-...

On Vibrostar 4-... + Vibrostar F-4... =
tine arrangement 4-row

On Vibrostar 5-... = tine arrangement 5-row

Standard quality S-tine for long product life

Line spacing 10 cm

Holder for the levelling plate (on the hydraulically
foldable version)

Parallelogram-guided trailing crumblers, height adjustable
by a breadboard

Separate ground contact pressure adjustment on the
second of the two-row crumblers

All crumblers run on ball bearings, triple-sealed,
solid heavy-duty cast-iron housing

Replaceable crumbler axle

Transport width:

for rigid versions = working width + 20 cm

for hydraulically foldable versions up to a working

width of 6.10 m = 2.6 m

for hydraulically foldable versions on from a working

width of 8.10 m = 3.0 m

Parking support for Vibrostar 4-... hydraulically foldable
(not necessary on other frame versions)

Operating instructions

Deviation in serial equipment on the VIBROSTAR F-4-...

Heavy-duty long-lasting S-quality tine

Front crumbler – flat steel crumbler 380 mm

Parallel – guided front crumbler,
height adjustable by a breadboard

Levelling plate

Optional equipment on VIBROSTAR 4-..., 5-..., F-4-...

Levelling plate (serial equipment on the F-4 series)

Track loosener instead of standard S-tine

Reinforced standard S-tine

Special tine straight instead of standard S-tine

Special tine straight instead of heavy-duty S-tine
on VIBROSTAR F-4-...

Duckfoot-share 70 mm instead of narrow tine 40 mm
(only available for standard or heavy-duty S-tine)

Various crumbler versions and diameters

Stone deflector on center bearing

Front crumbler on VIBROSTAR F-4... round steel
crumbler instead of flat steel crumbler

Rubber support wheels
(not necessary on trailing crumblers)

2-row trailing weeder for the VIBROSTAR 5-... instead
of trailing crumblers

VIBRO-BOARD for the VIBROSTAR 5-...

Mounting set for the P-BOX seeder

Riding frame with pneumatic tires instead of threepoint
linkage (standard weight + 1.150 kg)
(serial equipment on the VIBROSTAR 4-1210)

Braking axle for pneumatic brake

Pneumatic unit

Warning signs with lights

4-... four-row frame

VIBROSTAR 4-450 2 RZ

5-... five-row frame

VIBROSTAR 5-500 2 ZW

F-4-... four-row frame with front crumbler

VIBROSTAR F-4-610 2 ZW





VIBROSTAR

A PERFECT SEEDBED AND AN INCREASED OUTPUT

The increasingly precarious cost and labour situation of farmers require equipment that is highly efficient and flexible and still yields top results. In seedbed preparation trailing or hitched appliances are of great importance next to the PTO-driven machinery in all areas of secondary soil cultivation for grain, rape, potatoes and other row-planted crops as well.

Neither the weather nor fertiliser nor chemicals can undo damage caused by mistakes in seedbed preparation. Well-planned cultivation will bring the soil into a condition of mellowness which will best activate the mineral fertiliser. Neglecting field preparation can result in a massive increased amount of weeds leading to crop loss of 20% and more. Thus correct soil preparation is essential to create the best possible environment for the seeds to be planted and to supply enough nutrients and space for roots and organisms.

Cultivation equipment should therefore provide

- a levelling of the surface
- a splendid mix of manure, organic matter etc. with the soil
- adequate penetration through the tools
- loosening and crumbling
- closing and reconsolidating the soil.

We offer a number of appliances that do these jobs in an excellent way.

The spring tine combination VIBROSTAR is predominantly used on light, medium heavy and rocky soil. Thanks to the specially designed frame with top-quality spring tines, it achieves a marvellous penetrability and an intense mixing of the soil. The VIBROSTAR is the ideal machine for seedbed preparation, also for wintergreen areas and for secondary stubble field cultivation. Depending on its tine arrangement the VIBROSTAR is also well-suited for working in liquid and solid manure as well as for fighting couch-grass (*agropyrum repens*).

The vibrating spring tines mix and aerate at the working depth determined by you. Not only do they vibrate in the driving direction they also do so laterally while barely moving up or down. This way the penetration depth will remain at the chosen setting.

Depending on its use the appliance is available in a 4-row or a 5-row version with varying tine shapes and tine lengths. The 4-row version is available with a front crumbler. Through our large array of crumbler versions we can guarantee that we have the right equipment for your soil conditions as well.



The **working depth** is adjusted parallel via bolts on a breadboard. The top link can be used to set the right pressure between individual crumblers allowing for better crumbling and reconsolidating action.

In some working widths (see table „Technical data“) the VIBROSTAR is also available with a **front crumbler**, well-suited for very shallow seedbed preparation (beet crops). In combination with the front crumbler the levelling plate is part of the serial equipment. The depth adjustment of the front crumbler is easy and exact, simply adjust it parallel via bolts on the breadboard.





TOUGHSTRONG ALL-PURPOSE

IT MAKES WORKING THE SOIL FUN!

- ▶ Compact large-diameter profile tube frame for long product life
- ▶ Massive 3-point tower strutted towards the back
- ▶ Excellent penetration and exact steady working depth even on heavy soil
- ▶ Low traction resistance due to special tine shape
- ▶ No left-out areas even at shallow working depth
- ▶ The right trailing appliance for every soil type and use
- ▶ Easy working-depth adjustment through parallel-guided trailing appliances adjusted by bolts on the breadboard
- ▶ Large support wheels on non-hitched versions

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Attachment of the **rubber wheel** on the VIBROSTAR 4-810 and VIBROSTAR 4-1210



Especially for **intercrop seeding** we offer pneumatic seeders with complete assembly sets, which can be mounted easily at a later point.



The **three-point linkage** for the hydraulically foldable machines has tempered-steel wear sockets.



Technical data VIBROSTAR

Type/Working-width in cm	hydr. attachment	Number of rows/tines	Hitch-category	HP/kW	Approx. weight in kg with 2-row crumbler
VIBROSTAR 4-190	-	4/19	I/28	35/26	375
VIBROSTAR 4-210	-	4/21	I/28	40/30	393
VIBROSTAR 4-230	-	4/23	I/28	45/33	395
VIBROSTAR 4-250	-	4/25	II	55/40	441
VIBROSTAR 4-270	-	4/27	II	60/44	484
VIBROSTAR 4-290	-	4/29	II	65/48	550
VIBROSTAR 4-310	-	4/31	II	70/51	590
VIBROSTAR 4-330	-	4/33	II	75/55	660
VIBROSTAR 4-350	1D	4/35	II	75/55	1080
VIBROSTAR 4-390	1D	4/39	II	85/62	1200
VIBROSTAR 4-450	1D	4/45	II	90/66	1310
VIBROSTAR 4-490	1D	4/49	II	100/74	1420
VIBROSTAR 4-550	1D	4/55	II+III	120/88	1590
VIBROSTAR 4-610	1D	4/61	II+III	140/103	1840
VIBROSTAR 4-810 ¹	1D	4/81	III	180/118	2200
VIBROSTAR 4-1210 ²	2D	4/121	III	240/176	7500 hitched
VIBROSTAR 5-400	1D	5/40	II+III	90/66	1400
VIBROSTAR 5-500	1D	5/50	II+III	120/88	1620
VIBROSTAR 5-600	1D	5/60	II+III	150/110	1980
VIBROSTAR F-4-450	1D	4/45	II	110/81	2070
VIBROSTAR F-4-490	1D	4/49	II	120/88	2250
VIBROSTAR F-4-550	1D	4/55	II+III	140/103	2490
VIBROSTAR F-4-610	1D	4/61	II+III	160/118	2580

¹ 2 rubber support wheels on the side wing

² 2 rubber support wheels each on the side and outside wing

1D 1 x double-acting

2D 2 x double-acting

Technical data and specifications are approximate and without obligation. Construction and design are subject to change.



READY FOR SOWING IN ONE STEP **THE JOY OF CULTIVATING YOUR SOIL**



Only a perfect seedbed leads to a high yield.
Therefore a precise setting of the machine is necessary.

The **levelling plate** is height adjustable by a bolt. The integrated adjustment settings („drag“ or „grip“) squashes the clods, levels the surface and evens out the tractor tracks. These tools run very smoothly and the working depth remains exactly the same. The levelling plate is a useful tool especially for springtime seedbed preparation. A shear-off screw protects it from overload.



SIMPLY CLEVER!

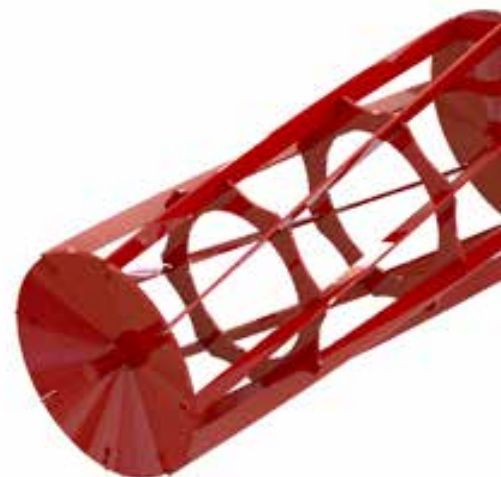
THE RIGHT ROLLER FOR EVERY SOIL



Serrated crumbler Ø 280 mm



Serrated crumbler Ø 320 mm



Flat rod crumbler Ø 380 mm

Choice of crumblers

ON WITHOUT TRAILING CRUMBLER

For very wet or sandy soil conditions

1 ZW ONE-ROW SERRATED CRUMBLER Ø 320 MM

For medium to light soil conditions

2 ZW 2-ROW SERRATED CRUMBLER Ø 320 MM/Ø 280 MM

For medium to heavy soil conditions

1 F 1-ROW FLAT ROD CRUMBLER Ø 380 MM

For medium soil conditions, on heavier equipment (greater working widths)

1 R 1-ROW ROUND ROD CRUMBLER Ø 380 MM

For medium to light soil conditions, wet conditions, rocks, with heavier equipment (greater working widths)

2 F 2-ROW FLAT ROD CRUMBLER Ø 380 MM/Ø 380 MM

For medium to heavy soil conditions, on heavier equipment (greater working widths)

2 R 2-ROW ROUND ROD CRUMBLER Ø 380 MM/Ø 380 MM

For medium to light soil conditions, on sand and rocks, wet conditions, on heavier equipment (greater working widths)

2 FZ 2-ROW CRUMBLER, 1st ROW FLAT RODS Ø 380 MM, 2nd ROW SERRATED CRUMBLER Ø 320 MM

For medium soil conditions, on heavier equipment (greater working widths)

2 RZ 2-ROW CRUMBLER, 1st ROW ROUND RODS Ø 380 MM, 2nd ROW SERRATED CRUMBLER Ø 320 MM

For medium to light soil conditions, on sand, wet conditions, with heavier equipment (greater working widths)

2 RF 2-ROW CRUMBLER, 1st ROW ROUND RODS Ø 380 MM, 2nd ROW FLAT RODS Ø 380 MM

For medium to light soil conditions, on sand, with heavier equipment (greater working widths)

2 ST 2-ROW TRAILING WEEDER Ø 10 MM INSTEAD OF CRUMBLER

For very wet, sandy or stony soil conditions

	ON	1 ZW	2 ZW	1 F	1 R	2 F	2 R	2 FZ	2 RZ	2 RF	2 ST
VIBROSTAR 4-190 - 4-230	•	•	•	•	•						
VIBROSTAR 4-250 - 4-330	•	•	•	•	•						
VIBROSTAR 4-350 - 4-610	•	•	•	•	•			•	•		
VIBROSTAR 4-810 - 4-1200						•	•	•	•	•	
VIBROSTAR 5-400 - 5-600	•	•	•	•	•			•	•		•
VIBROSTAR F-4-450 - F-4-610		•	•	•	•			•	•		

VIBROSTAR

**OFFERS A VARIETY
OF COMBINATIONS**



**Round rod crumbler
Ø 380 mm**



**Ring packer roll with leveller,
Ø 470 mm**
2-row trailing weeding
tines instead of crumblers
Only available for VIBROSTAR 5



**2-row trailing weeding
tines instead of crumblers**
Only available for VIBROSTAR 5



If you do not use a crumbler or a 2-row trailing harrow on the VIBROSTAR 5-400 to 5-600 we recommend you to order **4 rubber support wheels**, which are integrated in the side wing.



On the VIBROSTAR 4-350 to 4-610 you should use the rubber support wheel mounted at the side wing for a **precise working depth**.



The **VIBROSTAR 1210** has a standard riding frame and 4 rubber support wheels on the side and outside wing as serial equipment.



Transport position
VIBROSTAR F-4... and VIBROSTAR 4...



Transport position
VIBROSTAR 5-400 to 5-600

Warning signs and lighting are available for an additional charge. They can pivot depending on the folding mechanism of the frame.



For the VIBROSTAR with 5 rows of tines there is a **VIBRO-BOARD** available as option.





Standard S-tine

material 32 x 10

for medium to light soil conditions –

usable up to a working depth of 15 cm after ploughing

standard tine on the VIBROSTAR 4-... and VIBROSTAR 5-...



Standard S-tine with reinforced spring

material 32 x 10 + 32 x 8

for medium to heavy, rocky soil conditions –

usable up to a working depth of 15 cm after ploughing

THE PROPER TINE WILL LEAD TO THE **PERFECT CRUMBLING RESULT**

VIBROSTAR



Heavy duty S-tine

material 45 x 12

for all soil conditions, usable up to a working depth of 15 cm after ploughing

(for springtime use, for wintergreen areas, etc.)

standard tine on the VIBROSTAR F-4-...



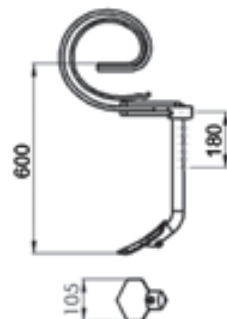
Special tine straight

material 45 x 12

for medium to light soil conditions –

up to a working depth of 8 cm

(maize and beet crops)



Track loosener height adjustable

with duckfoot share 105 mm

material 32 x 10 + 32 x 10

Related brochures

- TAIFUN - Universal fine cultivator
- EXTREM - Seedbed combination
- TWISTER - Short disc harrow
- SEEDING MACHINES



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