

An aerial photograph of a large agricultural field with a grid-like pattern of tines. In the bottom right corner, a red precision-tined weeder is visible, moving across the field. The weeder has a complex frame of red metal bars and tines. The field is a light brown color, suggesting it is a crop field. The overall image is a high-angle, top-down view.

# PRECISION TINED WEEDER AEROSTAR-EXACT





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With the precision tined weeder AEROSTAR-EXACT, row crops such as maize, soya, sunflower, field bean, pumpkin as well as seeds or vegetables can be weeded at the cotyledon stage. But also precise blind weeding is possible with the AEROSTAR-EXACT - thanks to the exact depth control and above all the exact adjustment possibilities of the tine aggressiveness.

The AEROSTAR-EXACT is the professional version of the classic AEROSTAR tined weeder. Many of the AEROSTAR's options are already integrated in the standard equipment of the precision tined weeder AEROSTAR-EXACT.



**Precise (blind) weeding of corn, beets, pumpkins, soybeans, potatoes, wheat, rye, field beans, peas, etc.**

Type/ Working width cm / ft	Sections m / ft	Wheels	Tines	from hp/kW	Weight approx. kg / lbs
<b>RIGID, not foldable</b>					
AEROSTAR-EXACT 300 / 9.8	2x1.5 / 2x4.9	4	120	30/22	540 / 1190
<b>Hydraulic folding</b>					
AEROSTAR-EXACT 600 / 19.7	4x1.5 / 4x4.9	6	240	60/44	940 / 2072
AEROSTAR-EXACT 750 / 24.6	5x1.5 / 5x4.9	6	300	80/59	1200 / 2646
AEROSTAR-EXACT 900 / 29.5 <sup>1)</sup>	6x1.5 / 6x4.9	6	360	90/66	1600 / 3527
AEROSTAR-EXACT 1200 / 39.4 <sup>1)</sup>	8x1.5 / 8x4.9	6	480	100/74	1880 / 4145
AEROSTAR-EXACT 1500 / 49.2 <sup>1,2)</sup>	10x1.5 / 10x4.9	6	600	150/110	2280 / 5027
AEROSTAR-EXACT 1800 / 59.1 <sup>1,2,3)</sup>	12x1.5 / 12x4.9	10	720	200/147	3220 / 7099

1) Shear retraction + hydr. transport lock  
2) Transport height approx. 4,5 m (14.8 ft)

3) Transport width 6 m (19.7 ft)



### STANDARD EQUIPMENT

- ✓ From 9 m / 29.5 ft working width with hydraulic transport lock
- ✓ Tines Ø 7 mm / 0.28", length 600 mm / 23.6" - ideal for uneven fields, individually changeable
- ✓ Tube frame section providing equal working pressure over the full width – 6 rows of tines
- ✓ Hydr. tine adjustment with indicator
- ✓ Line spacing 2.5 cm / 1"
- ✓ Upper link with slotted hole for ideal operation in hilly fields
- ✓ Large, bearing mounted rubber support wheels
- ✓ Exact depth guidance through front and rear support wheels
- ✓ Sections firmly connected to the weeder forks
- ✓ Wheels with following weeder tines on the pendular chassis
- ✓ Robust frame

### OPTIONS

Tine holder for row crops

Protection against loss in case of tine breakage

Weeder extension 30 cm / 11.8"

For machines with shear-retraction working in light and sandy soils we recommend:  
Inside twin wheels 18x8.50-8  
Outside single wheels 18x8.50-8

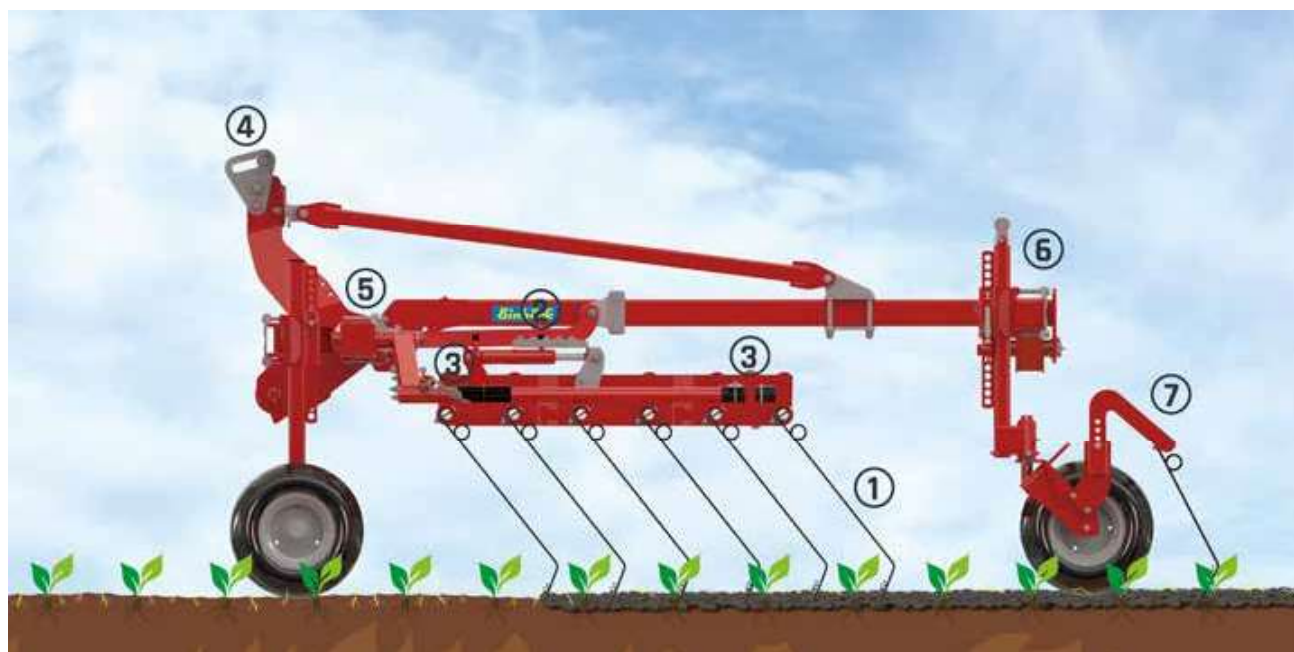
Warning signs with holder and LED-lights

Electrical control valve

Pneumatic seeding box P-BOX

## CONCEPT AEROSTAR-EXACT

1. Direct suspended spring tines with high clearance and a **line spacing of 2.5 cm / 1"**
2. Constant tine pressure over the entire working width by **hydraulic tine pressure adjustment**
3. **Fixed tine sections** to ensure the same working depth of all tine rows on each section
4. **Slotted hole** on the upper link mounting for ideal ground adaptation in hilly fields
5. Smooth operation of the weeder due to **compact design**
6. **Pendular axle** to compensate uneven ground
7. Loosening of the wheel tracks by **separate weeding tines**



## DETAILS AEROSTAR-EXACT

### TINE 600 MM / 23.6" LONG, Ø 7 MM / 0.28"

The precision tined weeder AEROSTAR-EXACT is equipped with 600 mm / 23.6" long and 7 mm / 0.28" thick cranked spring tines that adapt perfectly to uneven soil. They allow weeding operations even at late stages of the crop's development. These tines have also proved their worth in special crops, as longer tines can adapt even better to uneven soil!



### SUPPORT WHEELS FOR INDIVIDUAL TRACK SPACING AND UNEVENNESS

The ball-bearing mounted support wheels are adjustable in height in a halfbreadboard. The wheel base of the support wheels is infinitely variable up to 2.25 m (7.4 ft). The support wheels take over the depth control and prevent the spring tines from penetrating too deeply in light soil conditions. The AEROSTAR-EXACT therefore adapts perfectly to uneven ground.

### TRANSPORT LOCK

Transport lock is standard equipment on all machines. All machines up to 6 m (19.7 ft) are locked by a locking bar on the cylinder and machines bigger than 9 m (29.5 ft) with a hydraulic transport lock on the side wings. This provides additional safety when driving on the road or when the machine is parked.



## ADVANTAGES AEROSTAR-EXACT

### HYDRAULIC TINE PRESSURE ADJUSTMENT

The tine position is adjustable from the tractor via the centrally controlled and sensitive hydraulic section adjustment. This system also provides hydraulic pressure and level compensation of all the tine sections of the machine. The hydraulic tine adjustment facilitates the use of the tined weeder AEROSTAR-EXACT in changing soil conditions. When folding to the transport position, the tines can be adjusted to the flattest position very comfortably. The hydraulic pressure compensation ensures that the tines operate with equal aggressivity over the entire working width.



### PRECISE DEPTH CONTROL THROUGH SUPPORT WHEELS AND PENDULAR AXLE

Due to the precise depth control of the AEROSTAR-EXACT via support wheels at the rear and in the front (which are adjustable in a half-breadboard) it is perfectly suited for blind weeding. The pendular axle and the pivoting rear wheels ensure perfect ground adaptation. Sensitive adjustable tine pressure by the hydraulic tine adjustment guarantees precise depth guidance of the tines, particularly on uneven ground.

### FIXED SECTIONS FOR SMOOTH OPERATION

The sections are mounted on forks without clearance. This guarantees the machine works exactly in the set working depth. The sections can not turn and twist (for example when driving in tractor tracks) and are running very smoothly.



### STABLE OPERATION

Due to the solid and strong frame construction the operation of machine and frame is very steady, even at higher working speeds. Also on hard soil the tined weeder can apply sufficient pressure on the tines without swinging. In addition, the frame is designed to withstand heavy loads and many seasons of operating without any problems.

### TINE POSITION "TIP IS FORWARD OF THE BEND" FOR BREAKING UP THE SOIL CRUST

The soil crust is broken up better when the tines are placed "on grip". It is also gentler on the crop. In contrast to dragging tines, the plant is not pushed or pulled to the ground and thus not damaged. Thanks to the long tines, soil unevenness does not play a major role. The tines simply follow the contour of the soil.



### UPPER LINK WITH SLOTTED HOLE FOR PERFECT GROUND ADAPTION

A slot for the upper link allows the AEROSTAR-EXACT to perfectly compensate uneven soil conditions in driving direction.

### LARGE FRAME CLEARANCE

A large frame clearance is guaranteed by the position of the sections and the frame. This ensures operation without damaging the crop even when the plants are higher (up to 55 cm / 21.90" - depending on tine position and length).



**Highest precision due to oscillating axle, hydraulic tine pressure adjustment, long tines and slotted upper link mounting!**