

Einböck

**When weeding
is joy!**

WEEDING TECHNOLOGY

TINED WEEDER

AEROSTAR-CLASSIC (XXL)

PREMIUM TINED WEEDER

AEROSTAR-FUSION

PRECISION TINED WEEDER

AEROSTAR-EXACT

ROTATIVE WEEDER

AEROSTAR-ROTATION



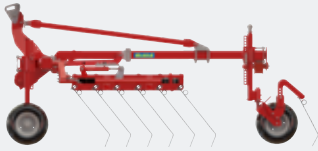
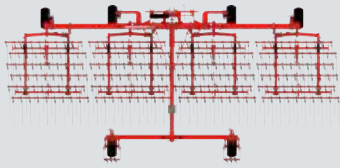
WWW.EINBOECK.EU

The EINBÖCK WEEDING TECHNOLOGY - an overview

	SPORTSTAR www.einboeck.at/en/sport		GRASS-MANAGER-PRO www.einboeck.at/en/gm-pro	AEROSTAR-CLASSIC (XXL) Page 12-23
			PNEUMATICSTAR-PRO www.einboeck.at/en/pro	GRASS-MANAGER PNEUMATICSTAR www.einboeck.at/en/gm www.einboeck.at/en/ps
				
				
				
	CULTIVATION FORM drill seeded crops row-crops hillcrops bedcrops grassland		CULTIVATION FORM drill seeded crops row-crops hillcrops bedcrops grassland	
	CROPS cereals corn soybeans pumpkins potatoes turnips peas sunflowers special crops & herbs vegetables permanent grassland lawns		CROPS cereals corn soybeans pumpkins potatoes turnips peas sunflowers special crops & herbs vegetables permanent grassland lawns	
	SOIL light medium heavy stony		SOIL light medium heavy stony	
	TERRAIN 		TERRAIN 	
	WORKING WIDTH 1.5 - 6 m (4.9 - 19.70 ft.)		WORKING WIDTH 3 - 12 m (9.80 - 39.40 ft.)	
	FRAME CLEARANCE up to 49 cm (19.30") (= standard machine without any additional options)		FRAME CLEARANCE up to 49 cm (19.30") (= standard machine without any additional options)	
	LINE SPACING 1.3 cm (0.5") line spacing direct spring loaded 6.5 mm (0.25") tine 6-row		LINE SPACING 2.5 cm (0.98") line spacing direct spring loaded 8/10 mm (0.31/0.39") tines 6-row	
	POWER REQUIREMENT ca. 6-8 HP/m		POWER REQUIREMENT ca. 8-10 HP/m	
	DRIVING SPEED UP TO 		DRIVING SPEED UP TO 	
	AGGRESSIVITY UP TO 		AGGRESSIVITY UP TO 	
	PRECISION/SENSITIVITY UP TO 		PRECISION/SENSITIVITY UP TO 	
	PRICE 		PRICE 	
	EQUIPMENT seeder wheels at the rear of the machine front levelling plate		EQUIPMENT seeder wheels at the rear of the machine front levelling plate	
	SPECIAL FEATURE suitable for lawn- as well as sports & golf course care „The sporty“		SPECIAL FEATURE triangular levelling plate & hydr. pressure adjustment via parallelogram „The grassland-specialist“	
			SPECIAL FEATURE lightweight, inexpensive „all-rounder“ field- and grassland weeder „The classic“	

AEROSTAR-EXACT

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CULTIVATION FORM

drill seeded crops | row-crops | hillcrops
bedcrops | grassland

CROPS

cereals | corn | soybeans | pumpkins | potatoes
turnips | peas | sunflowers | special crops & herbs
vegetables | permanent grassland | lawns

SOIL

light | medium | heavy
stony

TERRAIN



WORKING WIDTH

3 - 18 m (9.80 - 59.10 ft.)

FRAME CLEARANCE

up to 60 cm (23.60")
(= standard machine without any additional options)

LINE SPACING

2.5 cm (0.98") line spacing
direct spring loaded 7 mm (0.28") tine
6-row

POWER REQUIREMENT

ca. 8-10 HP/m

DRIVING SPEED UP TO



AGGRESSIVITY UP TO



PRECISION/SENSITIVITY UP TO



PRICE



EQUIPMENT

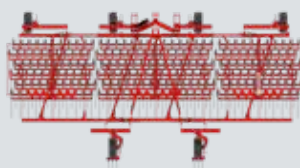
seeder | wheels at the rear of the machine
front levelling plate

SPECIAL FEATURE

very user friendly
good soil adaption and high sensivity
„The weeding all-rounder“

AEROSTAR-FUSION

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CULTIVATION FORM

drill seeded crops | row-crops | hillcrops
bedcrops | grassland

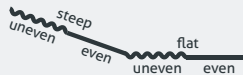
CROPS

cereals | corn | soybeans | pumpkins | potatoes
turnips | peas | sunflowers | special crops & herbs
vegetables | permanent grassland | lawns

SOIL

light | medium | heavy
stony

TERRAIN



WORKING WIDTH

6.2 - 12.3 m (20.30 - 40.35 ft.)

FRAME CLEARANCE

up to 53 cm (20.90")
(= standard machine without any additional options)

LINE SPACING

2.8 cm (1.10") line spacing
indirect spring loaded 7 mm (0.28") tine
6-row

POWER REQUIREMENT

ca. 10-12 HP/m

DRIVING SPEED UP TO



AGGRESSIVITY UP TO



PRECISION/SENSITIVITY UP TO



PRICE



EQUIPMENT

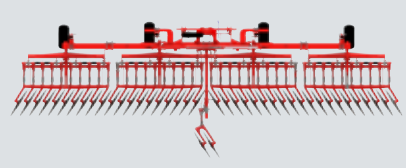
seeder | wheels at the rear of the machine
front levelling plate

SPECIAL FEATURE

optimal soil adaption and highest sensivity
perfection in all areas
„The premium tined weeder“

AEROSTAR-ROTATION

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CULTIVATION FORM

drill seeded crops | row-crops | hillcrops
bedcrops | grassland

CROPS

cereals | corn | soybeans | pumpkins | potatoes
turnips | peas | sunflowers | special crops & herbs
vegetables | permanent grassland | lawns

SOIL

light | medium | heavy
stony

TERRAIN



WORKING WIDTH

1.5 - 18 m (4.90 - 59.10 ft.)

FRAME CLEARANCE

up to 35 cm (13.80")
(= standard machine without any additional options)

LINE SPACING

15 cm (5.90") line spacing
indirect spring loaded disc with 6,5 mm (0.26")
tines, 1-row

POWER REQUIREMENT

ca. 8-10 HP/m

DRIVING SPEED UP TO



AGGRESSIVITY UP TO



PRECISION/SENSITIVITY UP TO



PRICE



EQUIPMENT

seeder | wheels at the rear of the machine
front levelling plate

SPECIAL FEATURE

weeding in organic matter & difficult (hard) soil conditions
clogging-free crust breaking
„The specialist“



ADVANTAGES OF WEEDING

For the cultivated crop:

- » Weeds are removed mechanically, which enables the crop to grow better
- » Looser, damper soil promotes root growth in the cultivated crop
- » Water is conserved through breaking up capillary action, which means more water for the cultivated crop
- » Strain and leaf damage in the cultivated crop due to herbicide use is avoided
- » Weeds in the row are covered in soil and the cultivated crop is earthed up

For the soil:

- » Aerating the soil and breaking up crusts after heavy rainfall boosts soil moisture
- » Mobilisation of nutrients and promotion of mineralisation, thus greater microorganism activity
- » Gentle humus cultivation – shallow cultivation of the upper soil layer
- » Incorporation of (organic) fertilizer – fertilizer mineralisation
e.g. incorporation of slurry, mineral fertilizers and urea
- » Release of nutrients: "Twice weeded/hoed = once fertilized"

For the environment:

- » Avoidance/reduction of herbicides and active substances
- » Reduced usage of active substances and removal of resistant weeds
- » Improved soil fertility and healthier, more resilient soils
- » Protection of waters
- » Safeguarding of biodiversity



Agriculture is the root of all education in the world!

Berthold Auerbach, politician / writer



WEEDING TECHNOLOGY IN PRACTICE

Experience reports and information of the practical use of our weeding technology you can find in our "Organic farming handbook". There you will find everything about weeding and hoeing as well as other topics related to "Fusion Farming".

Topics which might be interesting for you:

- » When and how to weed which crops
- » Principles of weeding such as time of operation or blind weeding
- » Our "Top 10 of weeding"
- » Hoeing and weeding of grain, maize, soybeans, field beans, sugar beets, pumpkins & potatoes
- » Intercrops: sowing, incorporation, advantages

You can download the handbook at www.einboeck.at/en/downloads





TINED WEEDER AEROSTAR-CLASSIC & -EXACT



SPECIAL FEATURES OF OUR TINED WEEDERS

AEROSTAR-CLASSIC | AEROSTAR-EXACT

- » Sturdy profile tube frame and therefore extremely durable
- » Large ball bearing supported wheels and lubrication points on all joints
- » Tempered hinge bolts with bushings
- » End of U-frame supported with plastic pipes (no wear of the steel tubes)
- » Easy and exact adjustment of the tine position (mechanical or hydraulic)
- » Tines made of patented drawn spring steel wire
- » Increased vibration effect through special tine holder
- » No sharp edges and therefore no damage to plants
- » Spring coil and tine movement is not restricted (no risk of tine-breakage)
- » Quick-coupling pendular axle allows easy attaching and uncoupling to the tractor (up to model 900 N)
- » Large triangular struts prevent the side wings from swinging during operation on machines with large working width
- » Large selection of tines in different lengths and diameter
- » High frame position



We have been producing and dealing with tined weeders for more than 35 years and know what is important in weeding!



DIRECT SPRING-LOADED TINES

AEROSTAR-CLASSIC | AEROSTAR-EXACT

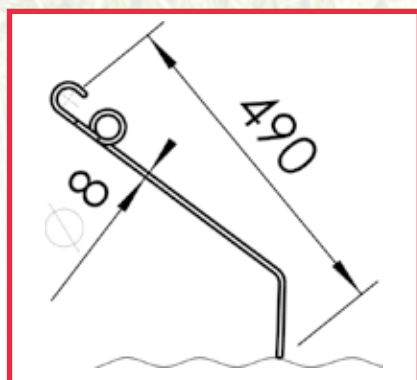
The AEROSTAR-CLASSIC & -EXACT is equipped with direct spring-loaded tines. These have many advantages:

1. **Tines swivel** - ensuring effective weed control also in the row without harming the crop
2. **Highest adjustment range of the tine pressure** on the market - enables gentle blind weeding and aggressive crust breaking
3. **Vibration ensures self-cleaning of tines** - guarantees operation without clogging
4. **Weeds are uprooted from soil and dirt** - fast drying out prevents re-growth
5. **State of the art tine guidance system** - ensures weed control over the full surface

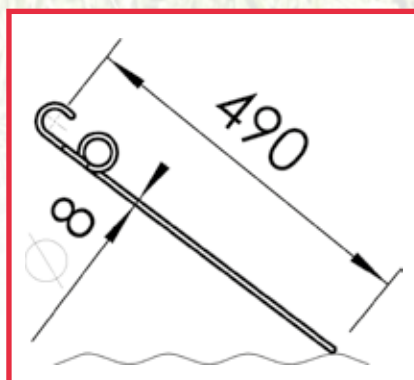


THE RIGHT TINE

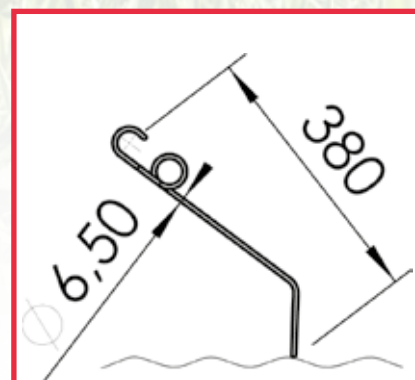
AEROSTAR-CLASSIC | AEROSTAR-EXACT



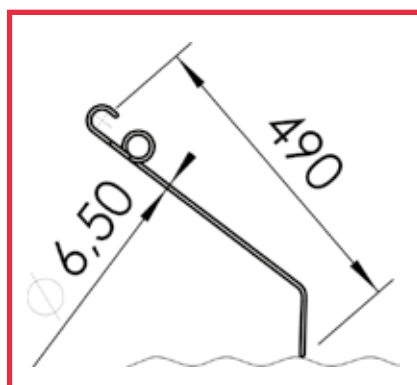
For tough soil conditions the tine with a diameter of 8 mm / 0.31" and a length of 490 mm / 19.3" should be used. This tine is the most commonly used in grassland cultivation.



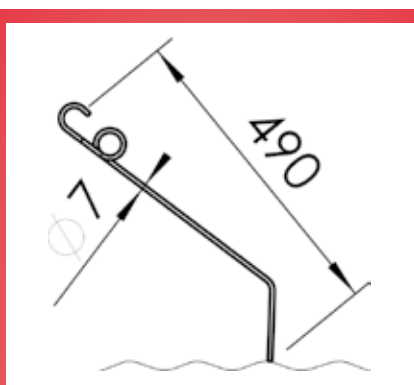
For rocky soil we recommend this straight tine so that the rocks are not moved to the surface. It has a diameter of 8 mm / 0.31" and a length of 490 mm / 19.3".



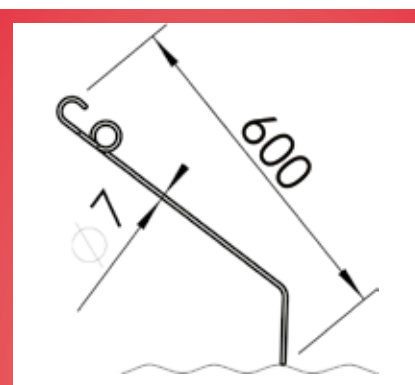
The tine with a diameter of 6.5 mm / 0.26" and a length of 380 mm / 15" is particularly suitable for medium soil.



The tine with a diameter of 6.5 mm / 0.26" and a length of 490 mm / 19.3" is designed for very light soil conditions.



This standard universal tine with a diameter of 7 mm / 0.28" and a length of 490 mm / 19.3" is ideal for medium to heavy soil conditions. This tine length can also compensate uneven spots in the field. This tine is the first choice in small grain farming.



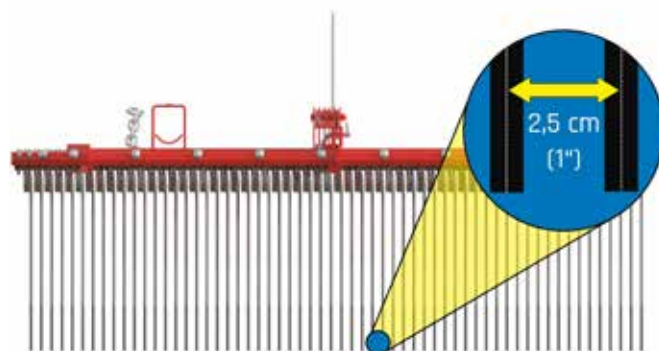
This tine (standard for AEROSTAR-EXACT) with a diameter of 7 mm / 0.28" and a length of 600 mm / 23.6" is well suited for special crops. Due to its length it can also compensate uneven soil conditions in the field very well.

LINE SPACING & TINE FIXATION

AEROSTAR-CLASSIC | AEROSTAR-EXACT

LINE SPACING OF 2.5 CM | 1"

The line spacing has a decisive influence on the working effect and quality of the operation. With a 6-row arrangement of 60 tines per 1.5 m / 59.1" field, an effective line spacing of 2.50 cm / 1" is achieved. The basic requirement for efficient weed control is the smallest possible line spacing.



PRECISE TINE POSITION AND TINE MOVEMENT

The tines on the weeder are fixed to the sections by plastic holders to prevent them from twisting so the tine is aligned exactly in working direction. The spring coil of the tine is mounted below the holder to ensure free tine movement and vibration out of the spring coil. As movement of the tine is not limited or restricted, breakage is very unlikely.





TINED WEEDER AEROSTAR-CLASSIC

Proven thousands of times around the world - the classic weeder AEROSTAR-CLASSIC has become an integral part of mechanical crop protection. For over 3 decades the weeder has continuously been developed and so it has become an excellent alternative for chemical weed control. The moving field sections of the AEROSTAR-CLASSIC adapt perfectly to the various soil conditions, regardless of the working width. This guarantees an optimum working result. For sensitive, special crops or blind weeding the AEROSTAR-CLASSIC can be equipped with extra long tines and a hydraulic tine adjustment. Then it represents a preliminary stage to the AEROSTAR-EXACT, which has been further optimised in this respect.

Type/ Working width cm / ft	Sections m / ft	Wheels	Tines	from hp/kW	Weight approx. kg / lbs
RIGID, not fondable					
AEROSTAR-CLASSIC 150 / 4.9	1x1.5 / 1x4.9	2	60	15/11	190 kg 420 lbs
AEROSTAR-CLASSIC 210 / 6.9	1x2.1 / 1x6.9	2	84	20/15	200 kg 441 lbs
AEROSTAR-CLASSIC 300 / 9.8	2x1.5 / 2x4.9	2	120	30/22	280 kg 617 lbs
Hydraulic folding					
AEROSTAR-CLASSIC 450 / 14.8	3x1.5 / 3x4.9	2	180	40/29	500 kg 1002 lbs
AEROSTAR-CLASSIC 510 / 16.7	1x2.1 / 6.9 2x1.5 / 4.9	2	204	50/37	520 kg 1146 lbs
AEROSTAR-CLASSIC 600 / 19.7	4x1.5 / 4x4.9	2	240	60/44	620 kg 1367 lbs
AEROSTAR-CLASSIC 600 / 19.7 ³⁾	4x1.5 / 4x4.9	4	240	60/44	740 kg 1631 lbs
AEROSTAR-CLASSIC 750 / 24.6	5x1.5 / 5x4.9	4	300	65/48	850 kg 1874 lbs
AEROSTAR-CLASSIC 810 / 26.6	4x1.5 / 4x4.9 1x2.1 / 1x6.9	4	324	70/51	870 kg 1918 lbs
AEROSTAR-CLASSIC 900 N / 29.5 ⁴⁾	6x1.5 / 6x4.9	4	360	70/51	980 kg 2161 lbs
AEROSTAR-CLASSIC 900 / 29.5 ¹⁾	6x1.5 / 6x4.9	4	360	80/59	1170 kg 2579 lbs
AEROSTAR-CLASSIC 1200 / 39.4 ¹⁾	8x1.5 / 8x4.9	4	480	90/66	1310 kg 2888 lbs
AEROSTAR-CLASSIC 1350 / 44.3 ^{1,2)}	9x1.5 / 9x4.9	4	540	110/81	1350 kg 2976 lbs
AEROSTAR-CLASSIC 1500 / 49.2 ^{1,2)}	10x1.5 / 10x4.9	4	600	130/95	1600 kg 3527 lbs
AEROSTAR-CLASSIC 1800 / 59.1 ^{1,2,5)}	12x1.5 / 12x4.9	6	720	180/133	2490 kg 5490 lbs

1) With shear-retraction

2) Transport height approx. 4,6 m (15.1 ft) - hydr. transport lock

3) Can be extended to 9 m (29.5 ft)

4) Can be reduced to 6 m (19.7 ft)

5) Transport width 6 m (19.7 ft)



STANDARD EQUIPMENT

- ✓ Lower links with quick coupling pendular axle
- ✓ Tines Ø 7 mm / 0.28", length 490 mm / 19.3", individually changeable
- ✓ Tube frame section providing equal working pressure over the full width – 6 rows with central tine adjustment, per section
- ✓ Line spacing 2.5 cm / 1"
- ✓ Large, bearing mounted rubber support wheels
- ✓ The side sections fold in automatically through parallel guidance
- ✓ Parking support for machines with hydraulic folding
- ✓ For machines with shear-retraction two double-acting hydr. remotes are required



OPTIONS

Tine holder for row crops

Protection against loss in case of tine breakage, per section

Hydraulic tine adjustment

Hydraulic transport lock

Spring-mounted front levelling plate with fixing of the section to the weeder fork

Section extensions 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

Tine 490 mm / 19.3" long, Ø 8 mm / 0.31"

Tine 490 mm / 19.3" long straight, Ø 8 mm / 0.31"

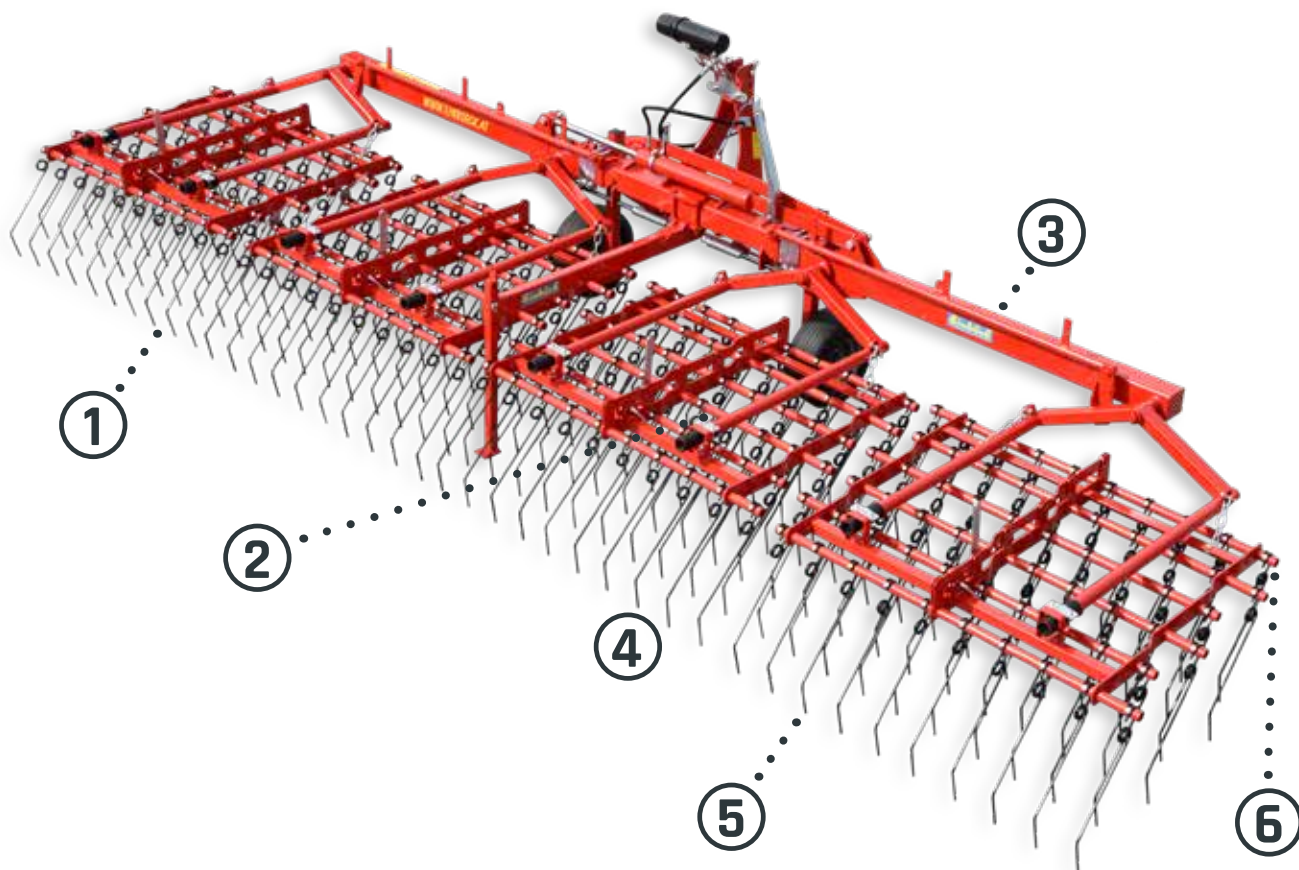
Tine 380 mm / 15" long, Ø 6,5 mm / 0.26"

Tine 490 mm / 19.3" long, Ø 6,5 mm / 0.26"

Tine 600 mm / 23.6" long, Ø 7 mm / 0.28"

CONCEPT AEROSTAR-CLASSIC

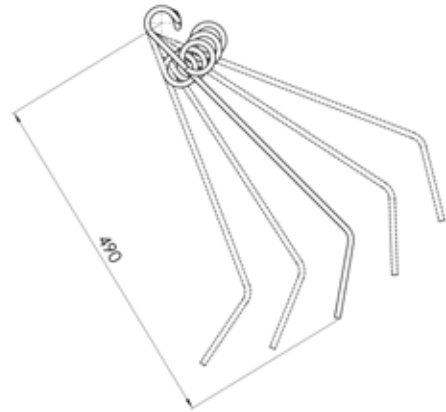
1. **Increased tine vibration** due to special plastic holders
2. **One central lever per section** to adjust the tine position
3. Solid steel **tube frame**
4. Effective operation because of **narrow line spacing** of 2.5 cm / 1"
5. **Wide range of tines as options** = the right tine for every job
6. **Large frame clearance**



DETAILS AEROSTAR-CLASSIC

TINE AGGRESSIVITY QUICKLY ADJUSTABLE VIA CENTRAL ADJUSTMENT LEVER

The aggressivity of the spring loaded tines on the grassland care machine can be adjusted as required via one central adjustment lever per tine section in 5 positions between "dragging" or "on grip".



SUPPORT WHEELS FOR INDIVIDUAL TRACK SPACING AND UNEVENNESS

The ball-bearing mounted support wheels are adjustable in height in a halfbreadboard. As an option the wheel base of the support wheels is infinitely variable up to 2.15 m / 7.05 ft. The support wheels take over the depth control and prevent the spring tines from penetrating too deeply in light soil conditions. The AEROSTAR-CLASSIC therefore adapts perfectly to uneven ground.



The classic tined weeder AEROSTAR-CLASSIC works ideally in grain, among other crops!

ADVANTAGES AEROSTAR-CLASSIC

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 making the frame swing. In addition, the frame is designed to withstand heavy loads and many seasons of operation without any problems.



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).

PLASTIC SUPPORT ON U-FRAME - NO WEAR AND TEAR ON STEEL TUBES

On the U-frame holding the weeder sections the supports guiding the section are covered with hard plastic. This prevents the U-frame from wearing.



COMPACT RETRACTION

Machines with a working width of 12 m / 39.4 ft and 15 m / 49.2 ft can be folded to a transport width of only 3 m / 9.8 ft (except 18 m / 59.10 ft machines). Machines with a working width of 4.5 m / 14.80 ft to 9 m / 29.50 ft the side wings of the mainframe are folded upwards for transport. 9 m (29.5 ft) machines can be equipped with a double-fold system and a heavy-duty construction, from 12 m (39.4 ft) this is standard. On all versions a hitching very closely to the tractor is ensured.



STRONGER CONSTRUCTION FROM 9 M / 29.5 FT WORKING WIDTH

A larger working width means greater forces acting on a machine. The triangular bracing on machines with double folding prevent the side wings from swinging and rocking even at higher working speeds. The tine aggressivity can be adjusted depending on the conditions.

OPTION: HYDRAULIC TINE ADJUSTMENT

The AEROSTAR-CLASSIC tined weeder can be equipped with hydraulic tine adjustment. The hydraulic tine adjustment ensures equal aggressivity over the full working width in changing soil conditions and uneven fields. It's like a first step towards AEROSTAR-EXACT, which is designed for special crops (and e.g. blind weeding).

The hydraulic tine adjustment ensures fast and convenient folding to the transport position (especially for model 450, 510, 750, 810 and 1350).





TINED WEEDER AEROSTAR-CLASSIC XXL





TINED WEEDER AEROSTAR-CLASSIC XXL

For large farms we also produce the AEROSTAR-CLASSIC XXL. However, we recommend to use this AEROSTAR-CLASSIC XXL only on really large fields. As the manoeuvrability is limited with the long chassis, the fields should have an appropriate size in order to work efficiently. The chassis, which is attached to the lower links of the tractor, is carried by two large wheels.

In working position, two additional adjustable wheels on the outer wings guarantee smooth operation of the tined weeder frame (no swinging down or up). A stable profile tube frame with a large triangular bracket prevents the frame from swinging forward or backward. When folding to transport position and when turning at the headlands the outer wheels do not touch the ground. This means that no crop is injured or damaged during this operation.



Power for large fields - precise weeding on 18 m (59.1 ft) or 24 m (78.7 ft) working width!

Type/ Working width cm / ft	Sections m (ft)	Wheels	Tines	from hp/kW	Weight approx. kg / lbs
AEROSTAR-CLASSIC XXL 1800 / 59.1	3x1.8 (5.9) / 6x2.1 (6.9)	4	720	180/133	3950 kg 8708 lbs
AEROSTAR-CLASSIC XXL 2400 / 78.7	3x1.8 (5.9) / 6x2.1 (6.9) / 4x1.5 (4.9)	6	960	200/147	5460 kg 12037 lbs



STANDARD EQUIPMENT

- ✓ Tines Ø 7 mm / 0.28", length 490 mm / 19.3", individually changeable
- ✓ Suspended beams with hydraulic level control per section
- ✓ Line spacing 2.5 cm / 1"
- ✓ Tube frame section providing equal working pressure over the full width – 6 rows with central tine adjustment, per section
- ✓ Requires three double-acting hydr. remotes (1x with floating position)
- ✓ Tidy installation of hydraulic hoses and pipes
- ✓ Wheel chocks
- ✓ Parking support
- ✓ Wheels 10.0/75-15.3 AW on AEROSTAR-CLASSIC XXL 1800
- ✓ Wheels 13.0/55-16 AW on AEROSTAR-CLASSIC XXL 2400

OPTIONS

- Drawbar mounting with Ø 50 mm / 1.97" pin and hydraulic lifting instead of lower link mounting
- Hydraulic tine adjustment - position fixed with bolts (per section)
- Wide wheels
- Support wheels for sensitive or blind weeding (1x per section)
- Pneumatic trailer brake
- Warning signs with holder and LED-lights
- Tine 490 mm / 19.3" long, Ø 8 mm / 0.31"
- Tine 490 mm / 19.3" long straight, Ø 8 mm / 0.31"
- Tine 600 mm / 23.6" long, Ø 7 mm / 0.28"

ADVANTAGES AEROSTAR-CLASSIC XXL

STURDY TUBE FRAME

A solid tube frame prevents the tine weeder from swinging and ensures a long life of the tines.



PERFECT ADJUSTMENT WITH THE SUSPENDED BEAM - SYSTEM

All sections of the trailed version of the AEROSTAR-CLASSIC XXL are attached to suspend beams. These beams are hydraulically controlled (hydraulic level adjustment). This suspended beam system can adapt to uneven terrain in an excellent way. On soil with very hard crust the double-acting cylinders of the beams will allow you to put additional pressure on the sections.

GUARANTEED TRANSPORT WIDTH OF 3 M

All tine weeders achieve a transport width of only 3 m (9.8 ft).



PRACTICAL TURNING ON THE HEADLANDS BY SIMPLE LIFTING MECHANISM

At working widths of more than 18 m (59.1 ft), the additional outer wheels do not have contact with the ground during folding into the transport position. And while turning up they cannot damage the crop.





PRECISION TINED WEEDER AEROSTAR-EXACT

With the precision tined weeder AEROSTAR-EXACT, row crops such as corn, 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
RIGID, not foldable					
AEROSTAR-EXACT 300 / 9.8	2x1.5 / 2x4.9	4	120	40/29	540 kg 1190 lbs
Hydraulic folding					
AEROSTAR-EXACT 600 / 19.7	4x1.5 / 4x4.9	6	240	70/51	940 kg 2072 lbs
AEROSTAR-EXACT 750 / 24.6	5x1.5 / 5x4.9	6	300	80/59	1200 kg 2646 lbs
AEROSTAR-EXACT 900 / 29.5 ¹⁾	6x1.5 / 6x4.9	6	360	90/66	1600 kg 3527 lbs
AEROSTAR-EXACT 1200 / 39.4 ¹⁾	8x1.5 / 8x4.9	6	480	100/74	1880 kg 4145 lbs
AEROSTAR-EXACT 1500 / 49.2 ^{1,2)}	10x1.5 / 10x4.9	6	600	150/110	2280 kg 5027 lbs
AEROSTAR-EXACT 1800 / 59.1 ^{1,2,3)}	12x1.5 / 12x4.9	10	720	200/147	3220 kg 7099 lbs

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

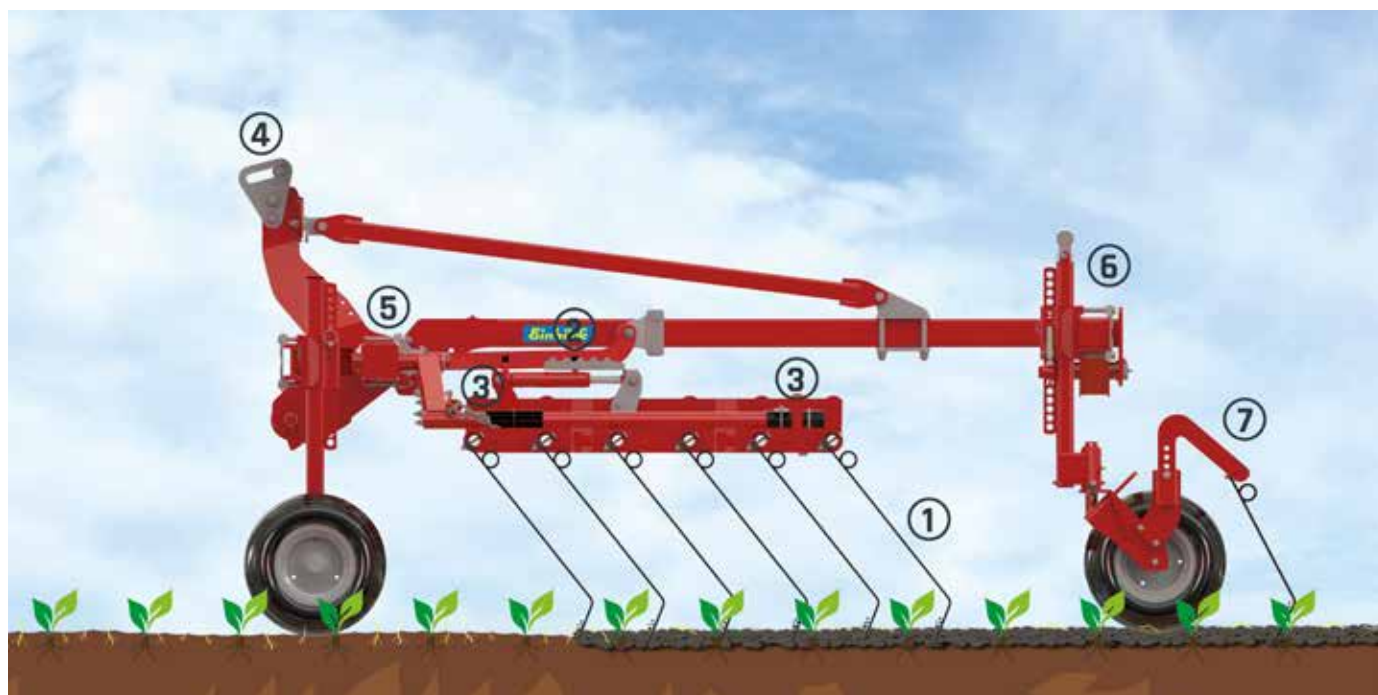
Warning signs with holder and LED-lights

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).



SUPPORT WHEELS WITH TRACTOR TYRE PROFILE

All support wheels are fitted with a tractor tyre profile what cleans them easier and ensures a tidy operation. In addition, this profile leaves a rough surface and does not press the soil firmly. Thus, the following weeder tines of the rear support wheels can work better and the soil is worked through completely.



PREMIUM TINED WEEDER AEROSTAR-FUSION





PREMIUM TINED WEEDER AEROSTAR-FUSION

With the AEROSTAR-FUSION premium tined weeder, you can weed standard crops (e.g. corn, soybeans, sunflowers, grains, field beans, sugar beets, etc.), ridged crops (e.g. potatoes) and special crops (e.g. vegetables, herbs, etc.) efficient and effectively. The aggressivity setting on the premium tined weeder can be adjusted hydraulically from extremely gentle (for blind weeding) to ultra aggressive (for crust breaking). The contact pressure on the AEROSTAR-FUSION is up to 6 kg / 13.20 lbs per tine. The premium weeder is an absolute superstar in the tined weeder segment in all areas, from tine arrangement, adjustment and fixing, to tyre equipment and frame construction.

The **AEROSTAR-FUSION** is one of 9 different types of weeders manufactured by Einböck. It is the fourth weeder for crop maintenance, alongside the **AEROSTAR-CLASSIC** and **AEROSTAR-EXACT** tined weeders and the **AEROSTAR-ROTATION** rotative weeder.

AEROSTAR-FUSION	300	600	750	900	1200	1350	1500
Working width (m ft.)	2.97 / 9.70	6.22 / 20.3	7.56 / 24.80	9.24 / 30.2	12.26 / 40.20	13.60 / 44.60	15.29 / 50.20
Transport width (m ft.)	3.00 / 9.80	2.75 / 9.00	2.75 / 9.00	3.00 / 9.80	3.00 / 9.80	3.00 / 9.80	3.00 / 9.80
Parking height (m ft.)	1.30 / 4.30	3.00 / 9.80	3.84 / 12.60	3.35 / 11.00	3.35 / 11.00	3.90 / 12.80	3.90 / 12.80
Basic weight (approx. kg / lbs)	575 / 1268	1170 / 2580	1410 / 3109	1980 / 4365	2420 / 5335	3130 / 6900	3340 / 7363
from HP/KW	50/37	80/59	90/66	100/74	120/88	140/103	160/118
Hydr. control units (double acting)	1	2	2	3	3	3	3
Mounting category (Cat.)	I / Ø 22 mm / 0.9" II / Ø 28 mm / 1.1"	II / Ø 28 mm / 1.1"	II / Ø 28 mm / 1.1"	II / Ø 36 mm / 1.4"	II / 36 mm / 1.4"	II / 36 mm / 1.4"	III / 36 mm / 1.4"
Number of tines	106	222	270	330	438	486	546
Sections	1	3	3	5	5	5	5
Folding	-	3x	3x	5x	5x	5x	5x
Support wheels (front+rear)	2+2	4+2	4+2	4+2	6+2	6+4	6+4



STANDARD EQUIPMENT

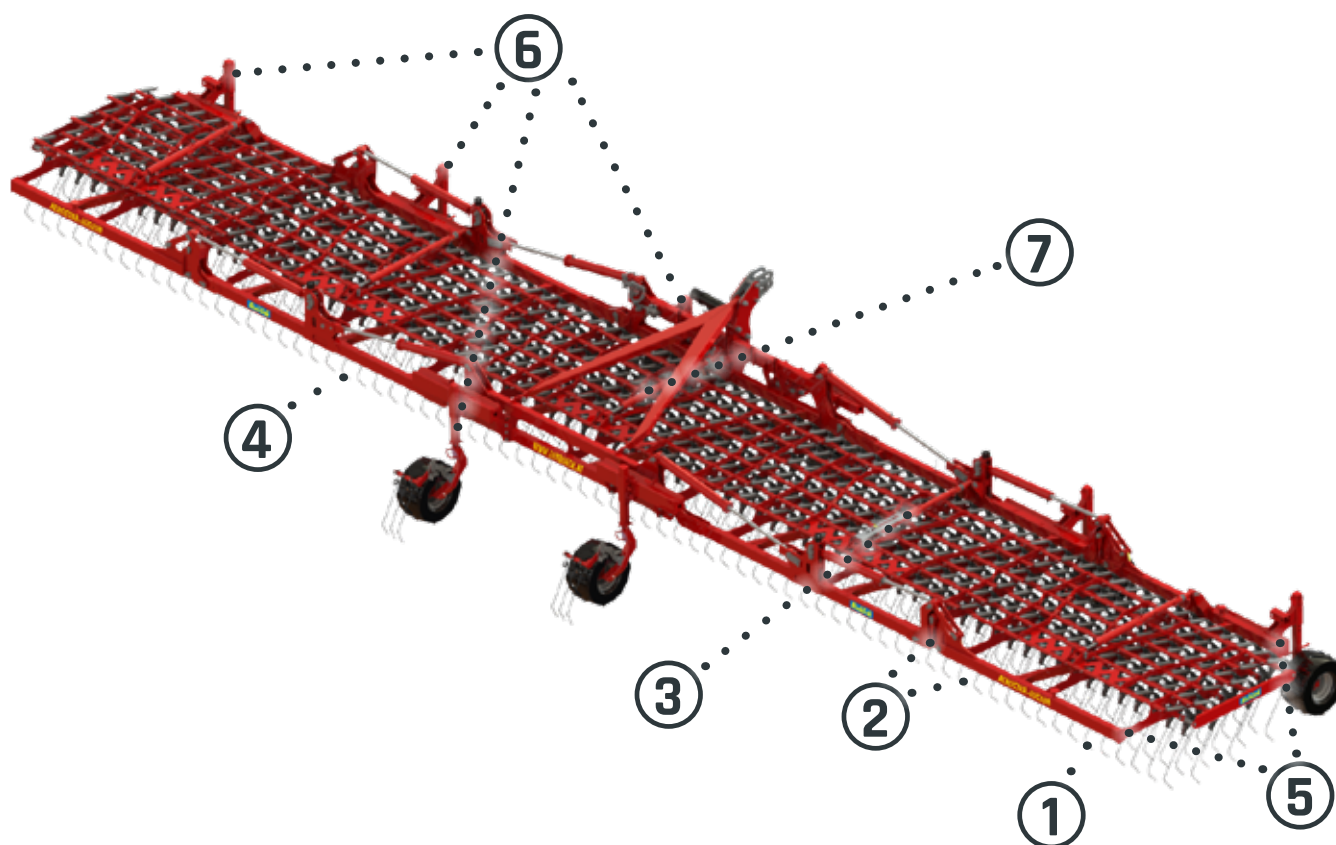
- ✓ Closed frame design
- ✓ Tines Ø 7 mm / 0.28", 530 mm / 20.87" long – optimum compensation for unevenness in the ground, can be changed quickly and individually
- ✓ Line spacing 2.8 cm / 1.10"
- ✓ Double springs without cables arranged above the frame
- ✓ Hydr. tine setting with position display
- ✓ Torsion-resistant tine tube
- ✓ 6-row tine sections
- ✓ Hydr. transport lock
- ✓ Upper link mounted with slotted hole – for optimum adjustment on hilly terrain
- ✓ Precise depth control via the depth control wheels to the front and rear of the implement
- ✓ Rear support wheels with adjustable trailed weeder tines
- ✓ Large support wheels with ball bearings and tractor tyre profile
- ✓ Support stands (from model 900)

OPTIONS

- Mechanically swiveling support wheels (from model 900)
- Hydraulically swiveling support wheels (from model 900)
- Seeding box P-BOX-STI up to 12 m / 39.40 ft.
- Pneumatic front tank JUMBO-SEED
- Tines with carbide tipping
- Additional support wheels
- Warning signs with holder and LED lights

CONCEPT AEROSTAR-FUSION

1. Independent, indirectly spring-loaded 7 mm / 0.28" tines
2. Up to 530 mm / 21" frame clearance
3. Hydraulic aggressivity settings of up to 6 kg / 13 lbs of contact pressure per tine
4. 100% consistent aggressivity, regardless of the tine positioning
5. The premium weeder runs very smoothly due to its compact, closed frame construction
6. Individually adjustable support wheels to the rear and front of the frame
7. Simple tine adjustment in transport and working positions





ADVANTAGES AEROSTAR-FUSION

"PREMIUM" IN EVERY SENSE OF THE WORD – THE AEROSTAR-FUSION

- » Constant tine pressure of up to 6 kg / 13 lbs along the entire spring deflection
- » Big frame clearance of up to 530 mm / 21" for higher crops (e.g. corn, sunflowers, etc.)
- » Tines which can be swivelled up (transport & working positions) with quick-change system
- » Biggest possible operational reliability & precision
- » Practical, operator-friendly & durable design



7 MM (0.28") TINES – THE PERFECT TINE THICKNESS FOR ARABLE CROPS, VEGETABLES, HERBS AND MORE

The 7 mm / 0.28" thick and 530 mm / 20.87" long tines ensure consistent, accurate and precise results. The lateral spring deflection is limited during operation by the elongated plastic holder.

28 MM / 1.10" LINE SPACING

At 28 mm / 1.10", the line spacing is optimised for ultimate precision. The coordinated ratio between line spacing and tine length also ensures excellent results with standard crops such as grains, beets, soya and corn, as well as with special and ridged crops.



UP TO 53 CM / 20.90" FRAME CLEARANCE FOR WEEDING TALL CROPS & RIDGES

The AEROSTAR-FUSION has a frame clearance of up to 530 mm / 20.87" (depending on the tine position), meaning that it is suitable for weeding higher crops and ridges too.

OPTIMISED TINE RADIUS & 10 CM / 3.94" TINE WEAR LENGTH

The tine radius has been flattened off to enable efficient, blockage-free weeding, even if there is a high amount of organic matter. This means that less material can build up in the tines. The wear length of the 7 mm / 0.28" tines is 100 mm / 3.94". Tines with rounded carbide tips are available for large farms and contractors.



LARGE BEAM SPACING FOR GOOD MATERIAL FLOW

The 6 beams that the weeder tines are mounted on are spaced far apart. This ensures a better passing of organic matter and no blockages when working with the tined weeder.

TINES WITH A QUICK-CHANGE-SYSTEM WITH NO NEED TO REMOVE THE SPRINGS

A plus point during machinery maintenance and servicing. Individual tines in the plant row can also be quickly "hung out", e.g. when working with very sensible crops.



The adjustment and precision of the independently operating tines are the core feature of this premium tined weeder!

ADVANTAGES AEROSTAR-FUSION

STEADY GUIDANCE OF THE TINES THROUGH "ELONGATED" HOLDERS

The tines are mounted in the centre of the "elongated" holders, which ensure they are guided steadily and accurately. The individual tines can also be rapidly changed via a quick-change system.



PRECISELY TUNED GEOMETRY ENSURES CONSTANT AGGRESSIVITY REGARDLESS OF THE TINE POSITION

The geometry of the tines has been perfectly tuned to ensure that they always exert the same contact pressure on the soil in any position (steep, aggressive or dragging). This ensures the same level of aggressivity e.g. when working on very uneven ground or on ridges/in beds.

GENTLE WEEDING WITH THE TINES' OWN WEIGHT & MAX. CONTACT PRESSURE OF UP TO 6 KG / 13 LBS

The AEROSTAR-FUSION can produce up to 6 kg of contact pressure to weed heavily crusted and hard soils with precision. One of the AEROSTAR-FUSION's biggest advantages is that the level of aggressivity does not change when the tine position is changed. This enables the premium tined weeder to be adjusted with extreme precision and keeps the selected tine pressure 100% constant.



ADJUSTING THE TINE PRESSURE VIA THE HORIZONTAL "PARALLEL SHIFT"

The compact double frame allows the tine pressure to be adjusted without lowering the clearance.

SPECIAL DOUBLE SPRING WITHOUT A WIRE, PLACED ABOVE THE FRAME

To increase durability and facilitate servicing, the standard double springs are placed above the frame. The spring deflection is also fixed by the special Einböck wireless springs and the springs cannot "swing" upwards or "hang through".



TINES CAN BE SWIVELLED UP HYDRAULICALLY

The tine sections on the AEROSTAR-FUSION premium weeder can be swivelled up and are limited in movement towards the front. This has the following advantages:

- » No tine bending on the headland
- » Safe road transport & compact transport position
- » No hanging tines when parking the machine
- » Comfortable driving on both field and road

CLOSED AND TIDY FRAME

The closed, tidy frame design offers the following advantages:

- » The chassis adapts perfectly to the ground
- » Easy folding and compact transport
- » Long service life of the machine
- » Support wheels can be mounted flexible on the frame
- » Smooth running machine – even at high speeds



ADAPTABLE FRAME: RIGID OR FLEXIBLE

The tine weeder frame can be converted from rigid to flexible to enable following the ground better, particularly on slopes or on uneven surfaces.



ADVANTAGES AEROSTAR-FUSION

VERY SMOOTH-RUNNING MACHINE

Even at high speed or working at uneven fields, the frame design ensures that the machine runs very smoothly. This means there is no build-up of vibration on the AEROSTAR-FUSION, which significantly increases the machine's service life.



HYDRAULIC HEADLAND SETTING

The wings can easily be folded up at the headland. This ensures a comfortable and safe turning at the headlands.

SUPPORT WHEELS WITH TRACTOR TYRE PROFILE

All support wheels are fitted with a tractor tyre profile what cleans them easier and ensures a tidy operation. In addition, this profile leaves a rough surface and does not press the soil firmly. Thus, the following weeder tines of the rear support wheels can work better and the soil is worked through completely.



EASY ADJUSTMENT OF THE SUPPORT WHEELS

The support wheels can be adjusted stepless on a special frame to different row distances or tractor tracks. Furthermore, this robust and special Einböck tube helps that the adaptation can be done quickly by just loosening two screws. A measuring aid on the wings permits a fast and accurate adjustment exact to the centimetre or inch also in the field.

PIVOTING REAR SUPPORT WHEELS

The pivoting support wheels at the rear of the implement ensure that the machine runs smoothly (especially at high speeds), even on bends. The wheels lock into the middle position as early as the implement is being raised to ensure that the wheels do not swivel when lifted. Moreover the wheels can always be set down "in the middle" behind the machine when at the headland.



Practicality, operational reliability under a wide range of different conditions and a large number of individual technical solutions characterize the AEROSTAR-FUSION!

OPTIONS AEROSTAR-FUSION

P-BOX-STI UP TO 12 M / 40 FT.

The pneumatic seeder P-BOX-STI, for seeding intercrops can be mounted on all AEROSTAR-FUSION models up to a working width of 12 m / 40 ft. It is mounted as close as possible to the tractor to ensure that the machine's centre of gravity does not shift too far back. A 500 l tank can also be installed upon request.



JUMBO-SEED

For large implements and higher seeding rates, a JUMBO-SEED pneumatic front tank with its SPEED-TRONIC control unit can be mounted onto the front hydraulics instead of a P-BOX pneumatic seeding box. (Available from autumn 2023)

TINES WITH CARBIDE TIPPING

For large farms and contractors, carbide-coated tines with rounded tips are available as an option. These massively increase the service life of the tines and reduce the need / time taken for maintenance.



ADDITIONAL SUPPORT WHEELS

Additional support wheels are available as an option in case they need to be added to the outer wings (e.g. on hilly terrain), for example.

WARNING SIGNS WITH HOLDER AND LED LIGHTS

These can be added to the front and rear of the implement.



With the AEROSTAR-FUSION, we now have 9 different models in our range of weeders. As the largest supplier and the world's top manufacturer of weeding technology, we can offer each of our customers the ideal solution for their farm.



ROTATIVE WEEDER AEROSTAR-ROTATION





ROTATIVE WEEDER AEROSTAR-ROTATION

The rotative weeder AEROSTAR-ROTATION combines the advantages of a tined weeder and a rotary hoe. The result is a rotative weeder with a very wide range of applications. The work is carried out by steel pins which are embedded in a plastic disc set at an angle. The individually suspended, rotating working tools uproot and shed weeds, promote the tillage of yield crops and break up even hard soil incrustations without any problems.

This method of working makes the AEROSTAR-ROTATION also very suitable for weeding in mulch sowing. With the hydraulic pressure adjustment the pre-tension of the star wheel carriers can be infinitely varied between relief and load from the tractor cab. The relief goes so far that the star wheels are almost float. This makes the machine ideally suited for difficult soil conditions. In addition, this setting can be used to achieve precise blind weeding. The rotative weeder AEROSTAR-ROTATION, similar to the AEROSTAR-EXACT, can be used in almost all rows, as well as drilled crops.



The special suspension & adjustment of the holder of the star wheel ensures the best possible weeding quality!

Type/ Working width cm / ft	Sections m / ft	Wheels	Star wheels	from hp/kW	Weight approx. kg / lbs
RIGID, not foldable					
AEROSTAR-ROTATION 150 / 4.9	1x1.5 / 1x4.9	2	10	20/15	280 kg 595 lbs
AEROSTAR-ROTATION 300 / 9.8	2x1.5 / 2x4.9	2	20	35/26	420 kg 926 lbs
Hydraulic folding					
AEROSTAR-ROTATION 450 / 14.8	3x1.5 / 3x4.9	2	30	50/37	650 kg 1433 lbs
AEROSTAR-ROTATION 600 / 19.7	4x1.5 / 4x4.9	4	40	65/48	810 kg 1786 lbs
AEROSTAR-ROTATION 900 / 29.5 ¹⁾	6x1.5 / 6x4.9	4	60	90/66	1560 kg 3440 lbs
AEROSTAR-ROTATION 1200 / 39.4 ¹⁾	8x1.5 / 8x4.9	4	80	100/74	1890 kg 4167 lbs
AEROSTAR-ROTATION 1800 / 59.1 ^{2,3)}	12x1.5 / 12x4.9	6	120	150/110	3300 kg 7276 lbs

1) With shear-retraction: no quick coupling bar,
2 central support wheels 18x8.50
2) Transport height 4,4 m (14.4 ft)

3 m (9.8 ft) machine: 1 double acting hydr. remote needed
6 m (19.7 ft) machine: 1 double acting and one single acting hydr. remote
needed

9 - 18 m (29.5 - 59.1 ft) machine: 3 double acting hydr. remotes needed
3) Transport width 6 m (19.7 ft)



STANDARD EQUIPMENT

- ✓ Diameter of the star wheel 500 mm / 19.7" -
tine Ø 6.5 mm / 0.26"
- ✓ Line spacing 15 cm / 5.9"
- ✓ Maintenance free bearing of the star wheels - separate
mounting of each star wheel
- ✓ Hydr. adjustable aggressivity - possibility to push down or lift
the section up, with position indicator
- ✓ Pressure and level compensation between the working
sections
- ✓ Large, bearing mounted rubber support wheels
- ✓ Parking support
- ✓ Robust frame
- ✓ From 9 m / 29.5 ft working width with hydraulic transport lock

OPTIONS

Double star-wheel instead of weeder tines in the centre of the machine (recommended for fields with a lot of residues)

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

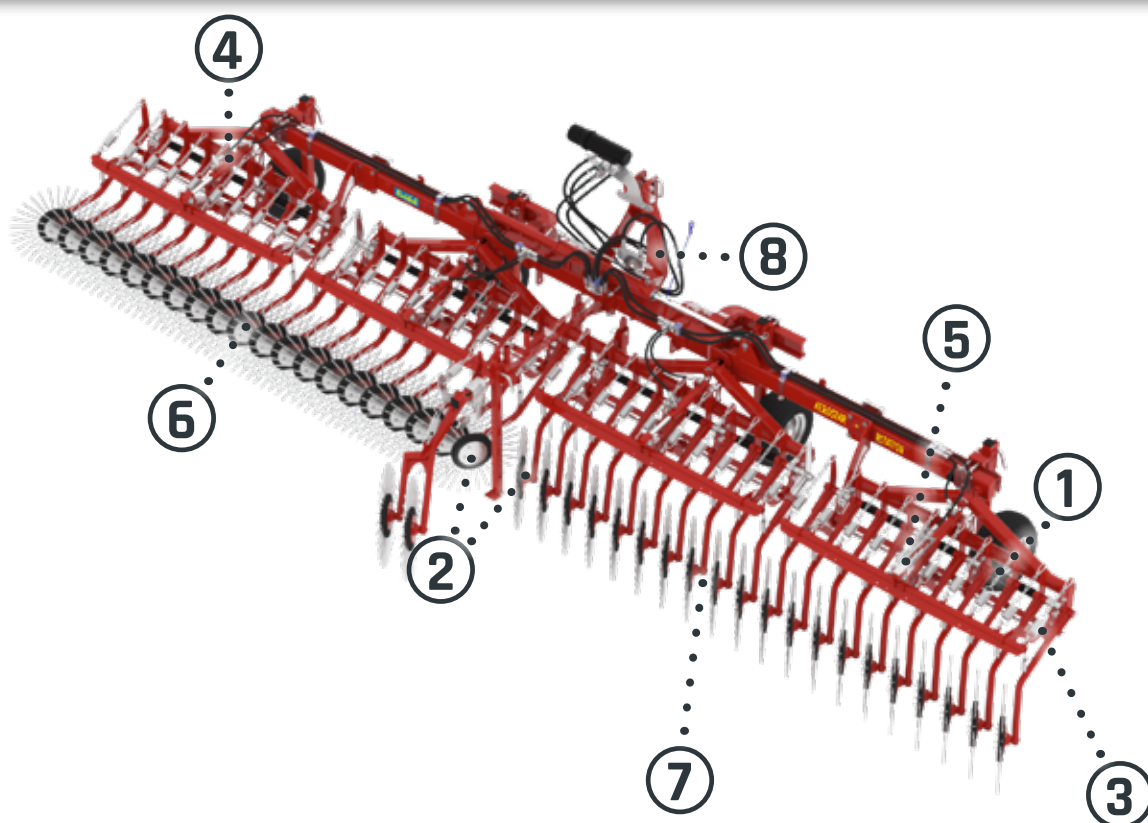
Electrical control valve: combines 2 double acting hydraulic connections to 1 (for machines with shear retraction)

Warning signs with holder and LED-lights

Pneumatic seeding box P-BOX

CONCEPT AEROSTAR-ROTATION

1. **Special mounting** of the star wheels
2. In order to compensate sideforces, **the stars are mounted bi-directional** (line spacing 15 cm / 5.9")
3. **Hydraulic adjustment of aggressivity** - pre-tension of the star wheel carriers can be infinitely varied between relief and load, with position indicator
4. **Hydraulic pressure and level compensation** of the sections for best adaption to the soil surface
5. **Position indicator** of the pressure and level compensation
6. **Diameter of the star wheel** 500 mm / 19.7", tine diameter 6.5 mm / 0.26"
7. **Maintenance free bearing** of the star wheels
8. Working speed **up to 10 km/h / 6.2 mph**



THE ADVANTAGES OF THE AEROSTAR-ROTATION ROTATIVE WEEDER AT A GLANCE:

- » Weeding when there is a lot of organic material, e.g. in mulch seeding
- » Early weeding when soil moisture is present without "smearing" the soil
- » Aggressive crust breaking and gentle weeding - quickly adjustable via the working speed as well as hydraulic aggressivity adjustment
- » Self-cleaning through rotating working tools - rolling instead of "sweeping" weeding





ADVANTAGES AEROSTAR-ROTATION

CLOGGING-FREE WEEDING IN ORGANIC MATTER OR MULCH-TILL

Due to the rotating stars the machine can handle a big amount of organic matter (in mulch-till fields or in fields with heavy weed infestation) without clogging.



HYDRAULIC ADJUSTMENT OF AGGRESSIVITY

The pressure is comfortably and infinitely adjustable from the tractor's seat. This innovative system uses the power of two counteracting tension springs. By extending the hydraulic cylinder, the tension of the preload spring increases. The pressure on the star wheels increases as well. When retracting the cylinder, the relieving spring is tensioned. If desired the pressure on the star wheels can be reduced, until absolutely no down pressure is left (the star wheels are nearly floating). **Kindly note:** You need experience and knowledge to choose the right aggressivity and working speed for the crop.

IMPROVED BREAKING OF SOIL CRUSTS

Due to a tine pressure of up to 22 kg / 48.5 lbs per tine, it is possible to break up heavy soil crusts. The more aggressively you weed, the slower you should drive.



MAINTENANCE FREE BEARING OF THE STAR WHEELS

The bearings of the stars are maintenance-free and durable. Therefore they remain without clearance even after many seasons and hectares in the field.



PRESSURE ON THE ROTATING STAR WHEELS CAN BE HYDRAULICALLY REDUCED

When working in sensitive crops and light soils the pressure on the rotating star wheels can be hydraulically reduced, until there is no down-pressure anymore and the star wheels are floating. When down-pressure is minimized, the soil has to be very even for optimum performance.

EARLY WEEDING EVEN IN HUMID SOIL

In contrast to the common tine weeder, the AEROSTAR-ROTATION can already be used even if the soil is still moist. This way the rotative weeder has an increased time of application in comparison to the standard tined weeder. This is a great advantage in changing weather conditions.





ADVANTAGES AEROSTAR-ROTATION

EFFECTIVE ALSO IN A LATE GROWTH STAGE

An effective use of the machine is also possible in a late stage of growth, because the rotating wheel does not pull any plants, they simply pass through. The inclined position of the star wheels improves the weeding-effect in the row. Weeds are "swiped out" of the row as long as they are not too well established.



INCLINED MOUNTED STAR WHEELS

The inclined mounting of the star wheels ensures that the weeder cleans itself from residue and it has an important effect on the aggressivity of operation. The faster you drive, the more aggressive the rotative weeder works. The more aggressive the setting, the slower you should drive.

STABLE OPERATION

Due to the solid and strong frame construction the operation of the machine and frame is very steady, even at higher working speeds. In addition, the frame is designed to withstand heavy loads and many seasons of work without any problems.



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.



**Largest possibility to adjust the tine pressure:
"stroking the soil" or most aggressive crust breaking
up to 22 kg / 48.5 lbs per star wheel element.**



DETAILS AEROSTAR-ROTATION



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.

BI-DIRECTIONAL ANGLE

The angle of the inclination of the star wheels is mirror-inverted on half of the machine to prevent a possible side pull. Standard weeder tines are used in the center where there is no star wheel because of the above mentioned above. As an option there is a star-wheel element available.



DIAMETER OF THE STAR WHEEL 500 MM / 19.7" - TINE Ø 6,5 MM / 0.26"

The work is done by 6.5 mm / 0.26" thick spring steel tines casted into a plastic disc. Each of these 500 mm / 19.7" star wheels are suspended separately, therefore they adapt perfectly to any surface irregularities. In order to prevent the tines from falling out, they are casted in an u-form into the disc.

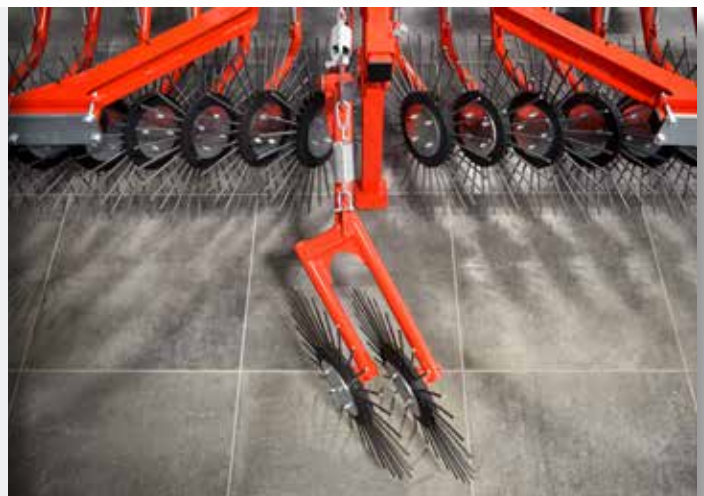


LINE DISTANCE OF 15 CM / 5.9"

The discs are mounted at a line distance of 15 cm / 5.9" on sections of 1.50 m (4.9 ft). Even at low working speed, as often required for sensitive crops, the AEROSTAR-ROTATION works effectively.

DOUBLE STAR-WHEEL

Rotation-weeding-element (optional available) instead of normal spring tines for working in the center of the machine (recommended when working in heavy residue).

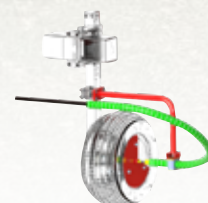


SIMPLE MOUNTING OF A SEEDING BOX

The P-BOX-STI or P-BOX-MD seeder, for seeding of intercrops or catch crops etc., can be mounted on all AEROSTAR models. In addition to various additional options for the seeder, steps for filling are available as well.

Facts: Pneumatic seeder P-BOX-STI, -MD & JUMBO-SEED

- » Precise, electrically controlled, metering and dosing via operating monitor or mechanical adjustment of the seeding rate via a gearbox
- » Grassland reseeding or fertilizer application
- » Seeding of intercrops or cover crops
- » Application of many different seed varieties
- » Can be mounted on many cultivators, weeders, etc.



You can find more information about the seeders on our website or in the seeders brochure!



SPARE PARTS & SERVICE

» **Original spare parts**

Only original Einböck tines and shares guarantee maximum service life and best quality. Only with Einböck spare parts you will achieve the optimum performance of your Einböck machine.

» **Competent service - worldwide**

Our dealers with their service staff are at your disposal worldwide. With our partners you always have a competent and reliable contact nearby. Our dealers participate in product trainings on a regular basis, this ensures that they are always up-to-date and have best knowledge.

» **Decades of availability**

We always have the right spare parts in stock, also for older types of machines. Therefore we can send them quickly to you. This helps you getting the machine back in the field fast.

» **Perfect accuracy of fit**

With the perfect accuracy of our original spare parts save time and money while repairing. You always receive an original part from us, this means always the same quality like the original equipment.



EINBÖCK AT A GLANCE

"100 % made by EINBÖCK in AUSTRIA"

- » **In-house development from the idea to serial production:** We have over 85 years of experience in designing agricultural machinery.
- » **From users for users:** 75 % of our sales and product management team are farmers, so we develop practice-oriented, user-friendly machines and adjustment options. Our top priority is to provide the right machines and suitable product specifications.
- » **Suppliers from the region and Central Europe:** Long-lasting relations with our suppliers ensure a consistent quality of raw materials and components, as well as supply reliability.
- » **Manufacturing exclusively in Dorf an der Pram in Upper Austria:** Our high vertical range of manufacture guarantees the best quality and long working life. "100 % made by Einböck in Austria" ensures superior quality in all areas of production.
- » **Practical trials of all machines on our own test fields:** Before prototypes are turned into serial production, they have to withstand extensive tests on fields and roads. This allows us to achieve absolute precision and reliability.
- » **After-Sales-Service:** A decades-long supply of wear and spare parts ensures a maximum service life of the machines as well as direct and close contact with customers.

Einböck-values

- » **Sustainability and environmental protection:** Environmentally friendly production of sustainable products
- » **Consulting and service:** Sharing of acquired knowledge and first-class customer service
- » **Reliability and quality:** Keeping promised delivery dates and selling high quality products
- » **Honesty and loyalty:** Collaboration with customers, suppliers, employees, partners, dealers, etc. at eye level



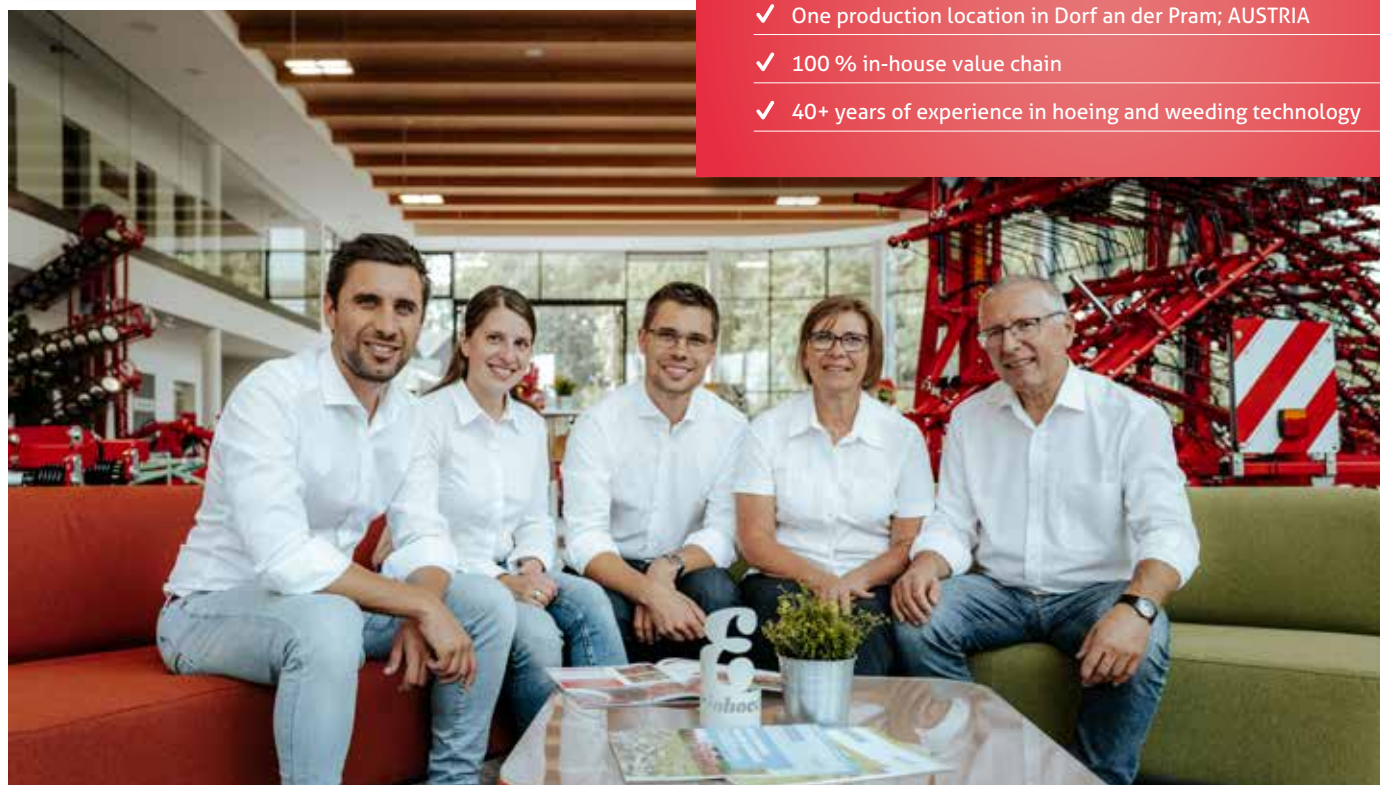
*Our goal is the production of market-oriented,
user-friendly, innovative, environmentally friendly and
high-quality products!*

Family Einböck, management in 3rd & 4th generation





- ✓ Foundation 1934
- ✓ Owner-managed family business
- ✓ One production location in Dorf an der Pram; AUSTRIA
- ✓ 100 % in-house value chain
- ✓ 40+ years of experience in hoeing and weeding technology





WWW.EINBOECK.EU

Related brochures regarding "organic farming & mechanical weed control":

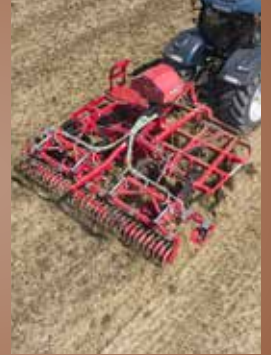


HOEING TECHNOLOGY

- » Row-crop cultivator
CHOPSTAR
- » Rollstar cultivator
ROLLSTAR
- » Camera steering system
ROW-GUARD
- » Rotary hoe
ROTARYSTAR

TILLAGE

- » Seedbed cultivator
VIBROSTAR
- » Blade cultivator
TAIFUN
- » Universal cultivator
HURRICANE
- » Seedbed combination
EXTREM



ORGANIC FARMING

- » Guide for mechanical weed control
- » Tips and interesting facts about weeding and hoeing technology
- » With FUSION FARMING to success

PRODUCT PROGRAM

- » Crop-care
- » Tillage
- » Grassland-care
- » Seeding & fertilizing



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All pictures are symbol pictures and may contain options which are available for an additional charge. For further information please contact our sales team.

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