

**Einböck**

**When crop-care  
is joy!**

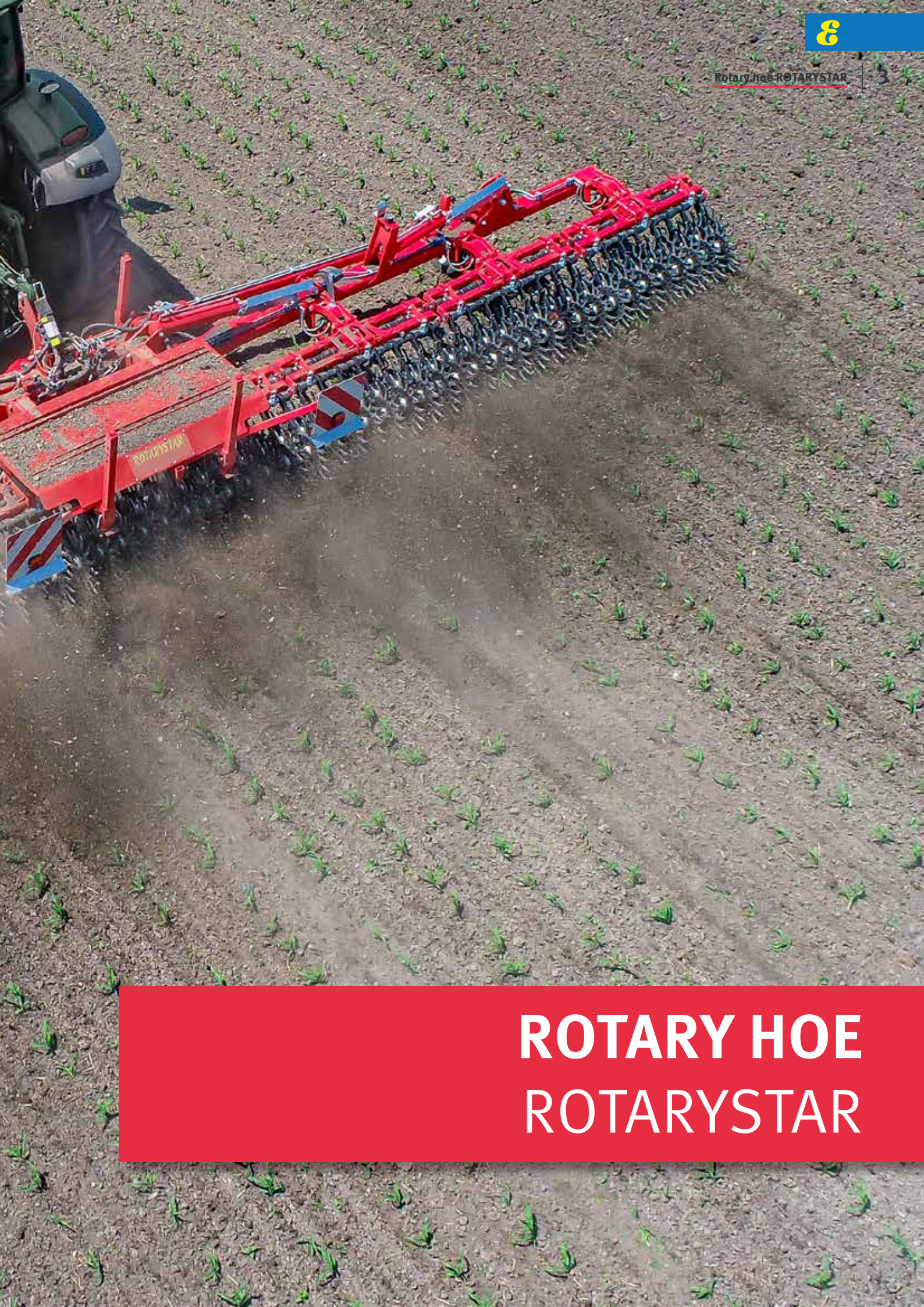
# ROTARY HOE ROTARYSTAR

**BREAK CRUSTS  
AERATE SOIL  
REGULATE WEEDS**



**WWW.EINBOECK.EU**





# ROTARY HOE ROTARYSTAR



## ROTARY HOE ROTARYSTAR

The rotary hoe ROTARYSTAR reliably breaks up crusts caused by rain and sun and crumbles the soil with its rotating tools (rotor stars). The soil is optimally loosened, aerated and the crusts are broken up. This also promotes mineralisation and plant growth. The ROTARYSTAR can be used in many different crops, e.g. cereals, corn or soybeans.

The rotary hoe is also the perfect tool for mulch-till crops, because the rolling stars guarantee blockage-free work. The stars are pre-tensioned via torsion springs and mounted on 2-beam sections. A hydraulically adjustable parallelogram allows the pressure to be regulated on the move and set to the conditions in the field. Enormous area productivity is possible due to high working speed of 14 - 20 km/h (9 - 13 mph).



| Type                            | 300       | 340        | 500          | 600          | 640          | 900          |              | 1200         |                |
|---------------------------------|-----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| Transport width in cm / ft      | 300 / 9.8 | 342 / 11.2 | 275 / 9.0    | 300 / 9.8    | 300 / 9.8    | 675 / 22.1   | 300 / 9.8    | 675 / 22.1   | 300 / 9.8      |
| Folding                         | rigid     | rigid      | triple frame | triple frame | triple frame | triple frame | triple frame | triple frame | double folding |
| Number of stars                 | 32        | 36         | 54           | 64           | 68           | 96           | 96           | 128          | 128            |
| Number of spoon shaped tips     | 512       | 576        | 864          | 1024         | 1088         | 1536         | 1536         | 2048         | 2048           |
| Number of star sections         | 2         | 2          | 3            | 4            | 4            | 6            | 6            | 8            | 8              |
| Weight approx. kg               | 990       | 1080       | 1600         | 1820         | 1910         | 3600         | 3100         | 4400         | 3915           |
| From HP/KW                      | 70/51     | 70/51      | 80/59        | 90/66        | 90/66        | 160/118      | 160/118      | 200/147      | 200/147        |
| Double row arrangement          | ✓         | ✓          | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓              |
| Hydr. adjustable aggressivity   | ✓         | ✓          | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓              |
| Feeler-Wheels                   | 2         | 2          | 2            | 2            | 2            | 4            | 4            | 4            | 4              |
| Hydraulic valve (double acting) | 1         | 1          | 2            | 2            | 2            | 2            | 2            | 2            | 1*             |

\* With electrohydraulic sequence control (12 VDC socket is required)

## STANDARD EQUIPMENT

- ✓ Rotor star: ø 52 cm / 20.47" with 16 exchangeable wear and tear resistant points (spoons)
- ✓ Line spacing 9,38 cm / 36.93"
- ✓ Spring mounted holders for the stars - 10,5 mm / 0.41" springs
- ✓ 2 rows of rotor stars with single mounting
- ✓ Sections parallel guided with hydraulic pressure and level regulation to adjust the down pressure on the soil of up to 35 kg from the tractor
- ✓ Mechanical position indicator of parallelograms
- ✓ Sturdy tube frame | adjustable rubber support wheels | parking support
- ✓ Big, ball-bearing mounted support wheels on the mainframe - dimension 18x8.50
- ✓ Stone protection on the central frame section
- ✓ Lower and top links are equipped with hardened bushings

## OPTIONS

- » High-performance bearings for large farms and contractors as well as use in hilly terrain
- » Clips for sensitive working in light soil conditions
- » Pneumatic seeding box P-BOX-STI up to 9 m / 30ft
- » Warning signs with holder and LED-light



**2-rows, parallel guided rotors = uniform operation over the entire working width**

# CONCEPT ROTARYSTAR

1. Specially **shaped stars** - Einböck in-house development
2. Hydraulic **pressure and level regulation**
3. Equal working depth of both rotor rows by **parallelogram guidance**
4. Fingers with **special spoon shape**, individually screwed-on
5. Individually **suspended rotor stars**
6. **Position indicator** of stars
7. **Protection grid** from stones and earth clods



# ADVANTAGES ROTARYSTAR

## CRUSTS ARE EFFECTIVELY BROKEN

The “crust breaker” ROTARYSTAR with its rotating working tools (rotor stars) has a great benefit, it breaks up crusts caused by rain and sun very effectively and gets soil crumbled. The capillary action is broken, and the topsoil is aerated. This promotes tillering and produces loose soil (prevention of evaporation). To achieve the best possible result, the machine should work as soon as possible after raining (the soil can even be a bit dark/wet).



## ROTOR SECTIONS PARALLEL GUIDED WITH HYDR. PRESSURE AND LEVEL COMPENSATION

A hydraulically adjustable parallelogram allows the pressure on the rotor stars to be adjusted to the prevailing conditions during operation. In addition, this hydraulic system enables level compensation, so that on uneven fields, the working depth and working pressure are precisely maintained across the entire working width.

## SPECIALY SHAPED ROTOR STARS – DESIGNED BY EINBÖCK

The individually suspended rotor stars are constructed to be extremely durable and to ensure optimal working results. It is important that each star is mounted on a separate holder, which increases the quality of work enormously, as each star works independently from the others. The high-quality bearings withstand extreme conditions and guarantee a long lifetime. The line spacing of the stars is 9.38 cm / 3.70" with 1.8 cm / 0.70" wide spoons.



# ADVANTAGES ROTARYSTAR

## SPOON-SHAPED TIPS - DESIGNED BY EINBÖCK

Due to the spoon-shaped hardened and low-wear star-tips, crusts are broken and crumbled. The spoons can be individually easily changed and replaced when worn out. Due to their special shape they "shovel" very well, which very effectively digs out the weeds. In addition, the special shape of the spoons makes them work very gentle on the crop.



## UP TO 35 KG / 77 LBS CONTACT PRESSURE PER ROTOR STAR

To ensure excellent work results even in heavily crusted soils and under the most difficult conditions, the individual rotor stars can be hydraulically adjusted with a contact pressure of up to 35 kg / 77 lbs.

## IDEAL FOR WEED CONTROL IN MULCH-TILL CROPS

Due to the rolling motion the working tools do not collect residues – ideal to control weeds in mulch-till or no-till crops. The rotary hoe work in many crops such as grain, corn, soybeans, sunflowers, etc.



## ADDITIONAL EFFECT OF WEED CONTROL

Since weeds are lighter than the raised clods of soil, they fall to the ground more slowly and lie on top after operation. They quickly dry up - regrowth is almost impossible.

## DETAILS ROTARYSTAR

### REINFORCED BEARINGS

For large farms and communities , we optionally offer reinforced bearings.



### UNCOMPLICATED CATCH CROP SEEDING

Mounting a pneumatic seeding box (P-BOX-STI) is possible at any time without any problems. You can seed all regular seeds and its mixtures by simple adjustment from approx. 1 kg per hectare. The seed is pneumatically distributed via hoses to the distribution plates, which precisely spread the seed.

### DOUBLE FOLDING FRAME FOR 12 M (40 FT.) MODEL

The transport width of 3 m (10 ft.) is also achieved on the 12 m (40 ft.) model via a double folding frame.



## EINBÖCK AT A GLANCE

### "100 % made by EINBÖCK in AUSTRIA"

- » **In-house development from the idea to serial production:** We have over 90 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



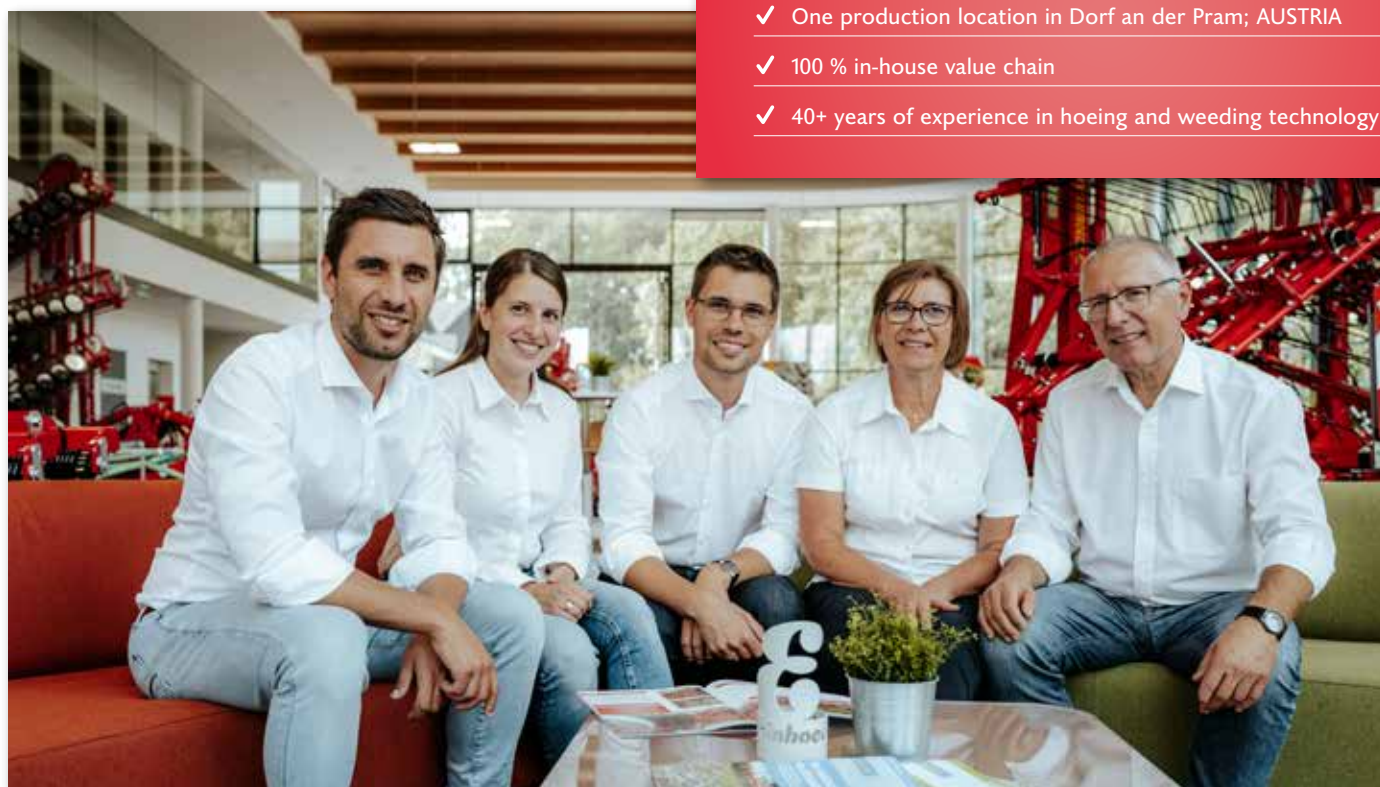
*Our goal is the production of market-oriented,  
user-friendly, innovative, environmentally friendly and  
high-quality products!*

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":



### WEEDING TECHNOLOGY

- » Tined weeder  
AEROSTAR
- » Precision tined weeder  
AEROSTAR-EXACT
- » Premium tined weeder  
AEROSTAR-FUSION
- » Rotative weeder  
AEROSTAR-ROTATION



### HOEING TECHNOLOGY

- » Row-crop cultivators  
CHOPSTAR
- » Camera steering system  
ROW-GUARD
- » Rotative cultivator  
ROLLSTAR

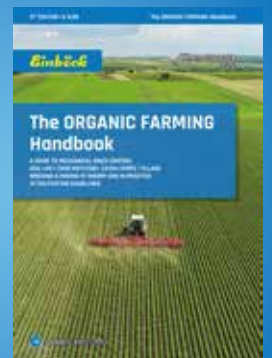
### TILLAGE

- » 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



# EINBÖCK



Einböck GmbH  
Schatzdorf 7  
4751 Dorf an der Pram  
Austria

+43 7764 6466 0  
+43 7764 6466-390  
info@einboeck.at

Technical changes and mistakes are subject to change without prior notice!

In order to introduce the benefits of our continuous product development, we reserve the right to make technical changes without prior notice. Printing and typesetting errors or changes of any kind do not entitle the customer to any claims. Individual equipment specifications, which are illustrated or described here, are only available as options.

In case of contradictions between individual documents regarding the scope of supply, the information in our current price list shall apply.

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

Photos & Graphics: © Einböck GmbH; Photos & Graphics free, without licence, but can be used only unchanged | Text & Content: © Einböck GmbH; can be used unchanged if source is cited | Version: 11/2024