

Einböck

**When crop-care
is joy!**

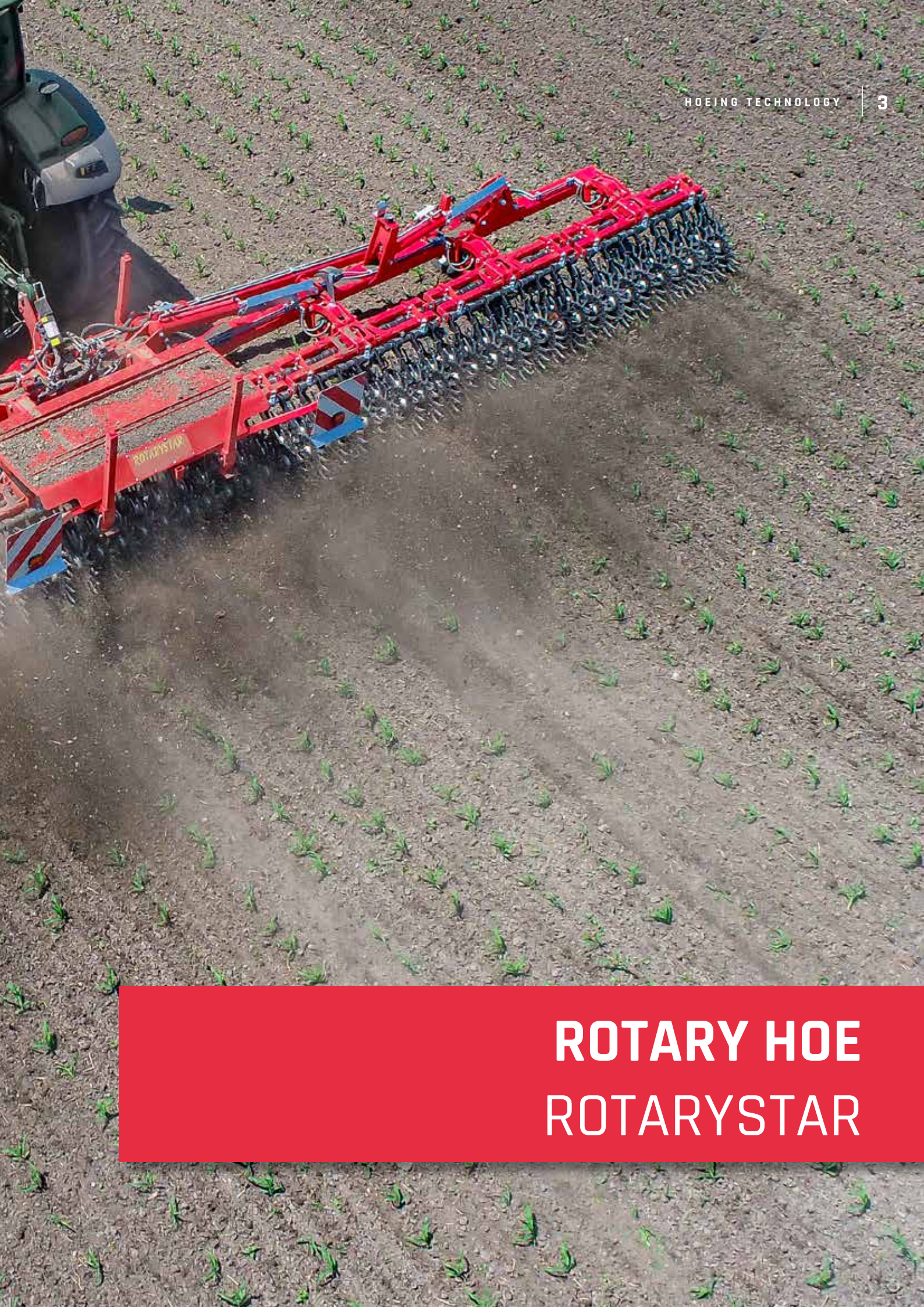
ROTARY HOE ROTARYSTAR

BREAK CRUSTS
REGULATE WEEDS
AERATE SOIL



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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.

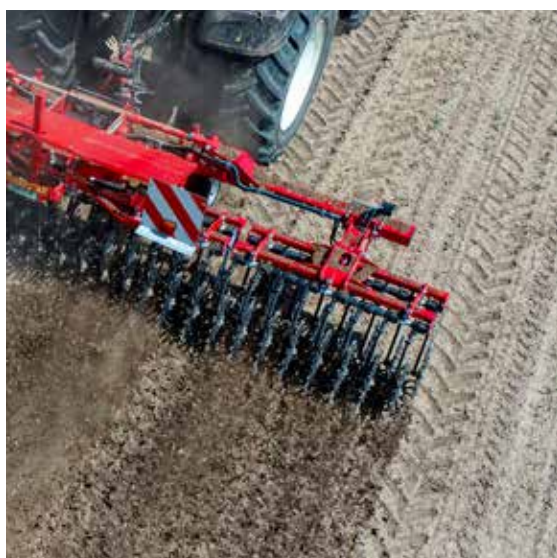
The rotary hoe is also the perfect tool for mulch-till crops, because the rolling stars guarantee blockage-free work. The stars are pre-tensioned via torsion springs and mounted on 2-beam sections. A hydraulically adjustable parallelogram allows the pressure to be regulated on the move and set to the conditions in the field. Enormous area productivity is possible due to high working speed of 12 - 25 km/h (7 - 15 mph).



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

| 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

- ✓ Robust tube frame
- ✓ Lower and top links are equipped with hardened bushings
- ✓ Stone protection on the central frame section
- ✓ 2 rows of rotor stars
- ✓ Spring mounted holders for the stars - 10.5 mm / 0.41" springs
- ✓ Sections parallel guided with hydraulic pressure and level regulation
- ✓ Mechanical position indicator of parallelograms
- ✓ Star: Ø 52 cm / 20.50" with 16 exchangeable wear and tear resistant points
- ✓ Line spacing 9.38 cm / 3.70"
- ✓ Big ball-bearing mounted support wheels on the mainframe
- ✓ Parking support

OPTIONS

High-performance bearings for large farms and contractors as well as use in hilly terrain

Warning signs with holder and LED-lights

Clips for sensitive working in light soil conditions

Pneumatic seeding P-BOX-STI

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.

SPECIALLY 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.



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.

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.



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.

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 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





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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



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