

Einböck

**When crop-care
is joy!**

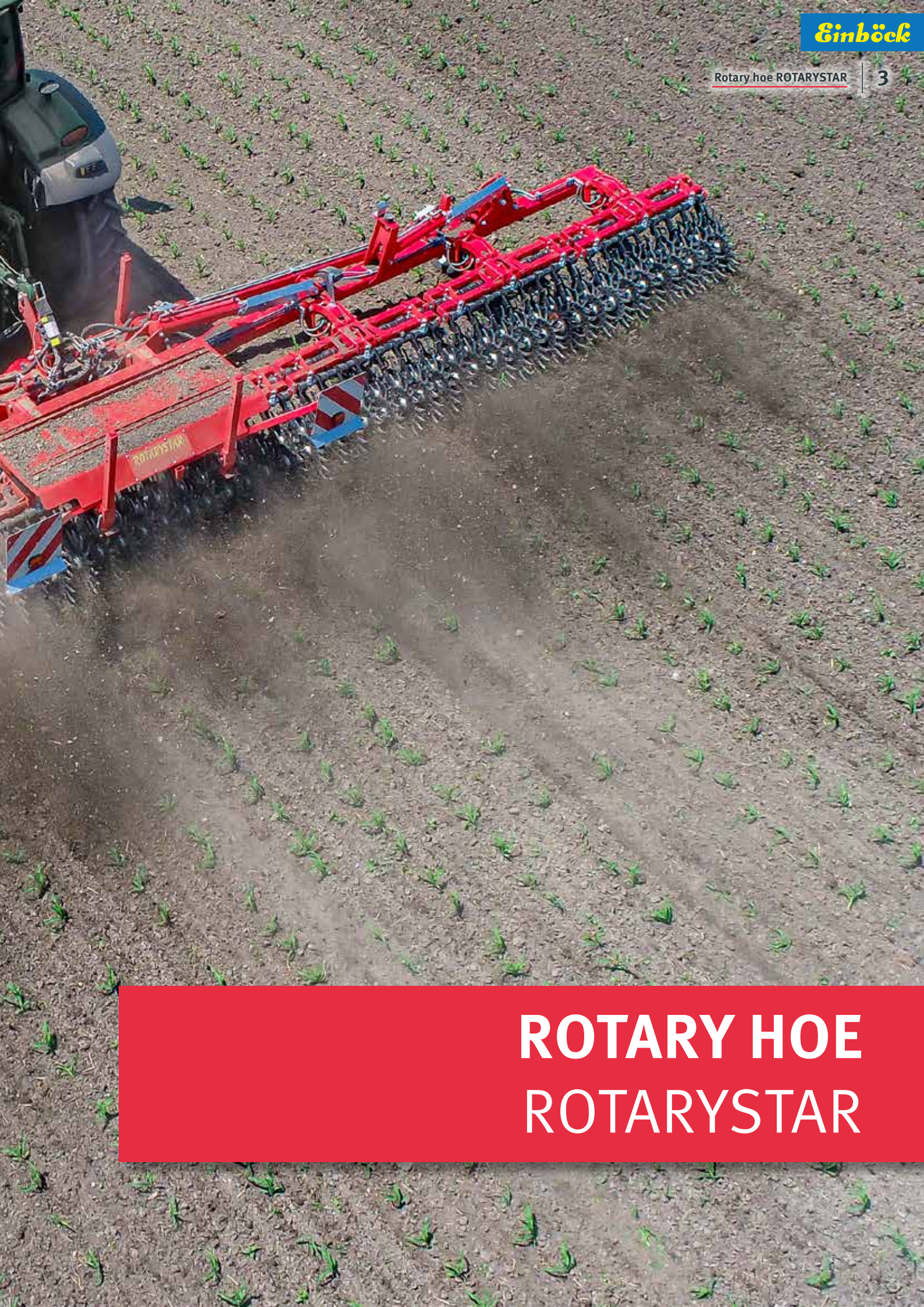
ROTARY HOE ROTARYSTAR

**BREAK CRUSTS
AERATE SOIL
REGULATE WEEDS**



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ROTARY HOE ROTARYSTAR



POWERFUL. CONVINCING. EFFECTIVE.

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.

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.



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.



OUR HANDBOOKS

THE HANDBOOK OF ORGANIC FARMING

- » **Proven practices:** Our decades of experience and that of our customers worldwide are graphically illustrated in this handbook.
- » **In-depth knowledge:** Through detailed descriptions of topics such as tillage, catch crops or crop rotations, as well as tips and suggestions on organic farming, we would like to encourage you to think outside the box.
- » **The latest technology:** The techniques and settings prescribed in the book will help you get the most out of your machines.
- » **10 cultivation instructions:** The manual contains 10 detailed cultivation instructions graphically explaining the best time for use.



THE HANDBOOK OF FUSION-FARMING

- » **Combined weed control:** The manual is the perfect guide for combined weed control. It combines the advantages of conventional and organic cultivation methods.
- » **Mechanics & chemistry:** Tips and tricks from mechanical and chemical weed control are presented. These applications lay the foundation for sustainable and successful arable farming.
- » **Cultivation instructions:** You will find instructions on weeding, hoeing and spraying in 5 different crops for a versatile and effective application of the Fusion-Farming method.

THE HANDBOOK OF GRASSLAND CARE

- » **Problems and solutions:** The Grassland Care Handbook deals with challenges such as increasing dryness, weed infestation or nutrient deficiency and offers practical solutions for grassland farmers.
- » **Maintenance & reseeded of grassland:** We show detailed instructions on maintenance and reseeded with effective methods that can increase the quality and yield of grassland in the long term.
- » **Practical examples with data, facts and figures:** Practical examples with well-founded data, facts and figures not only impart theoretical knowledge but also provide practical insights with successful grassland care strategies.



EINBÖCK AT A GLANCE

100% DESIGNED & MANUFACTURED IN AUSTRIA

- » We are a fourth-generation, owner-managed family business
- » Our development and production site is located entirely in Dorf, in the Innviertel region in Austria
- » We stand for 100% in-house production expertise: from cutting and further processing to welding, painting, and assembling our red machines.
- » Energy-self-sufficient production, e.g., with photovoltaic systems, wood chip heating, etc., awarded the "German Sustainability Award."

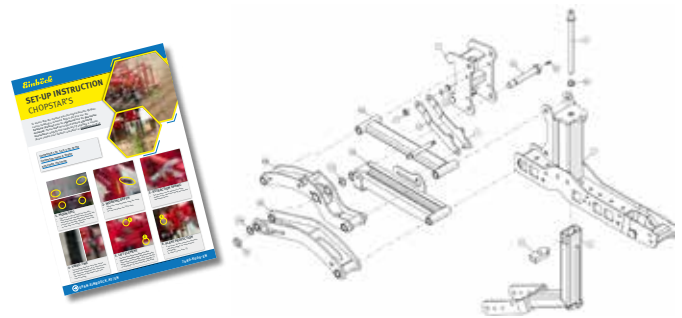


FROM THE FIELD, FOR THE FIELD!

- » We continuously develop our technology further in collaboration with our global customers
- » For over 90 years and four generations, we have stood for trustworthiness, reliability, honesty, hands-on mentality and common sense
- » We are consultants and partners, working together with farmers around the world to find the best solutions
- » We have been at home in the mechanical weed control segment for over 45 years

ORIGINAL SPARE PARTS

- » Decades of spare and wear part availability
- » Perfect fit and compatibility
- » Highest quality standards
- » Competent and prompt advice
- » Online spare and wear parts catalog, operating and set-up instruction, and much more at www.einboeck.at/en/help



CUSTOMER SERVICE

- » Practical service with maximum reliability
- » Rapid support even during peak season
- » An answer to every question
- » Expert advice and support for questions about machine settings



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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

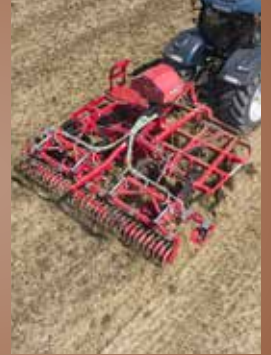


HOEING TECHNOLOGY

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

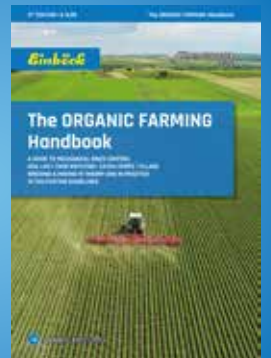
TILLAGE

- » 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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