

Einböck

**When crop-care
is joy!**

ROTARY HOE ROTARYSTAR

**BREAK CRUSTS
REGULATE WEEDS
AERATE SOIL**



WWW.EINBOECK.EU

A red Einböck ROTARYSTAR rotary hoe is shown in operation in a field. The machine is positioned over rows of young corn plants, with its multiple vertical tines digging into the soil. The background consists of rolling green hills under a clear sky. The machine's frame is bright red, and the brand name 'Einböck' is written in yellow on a blue background, with 'ROTARYSTAR' in yellow on a red background.

Einböck ROTARYSTAR

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 soy.

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/ Working width cm / ft	Transport width in m / ft	Number of stars	Sections	from HP/KW	Weight approx. kg / lbs
RIGID					
ROTARYSTAR 300 / 9.8 ¹⁾	3.00 / 9.80	32	2	70/51	990 / 2182
ROTARYSTAR 340 / 11.1 ¹⁾	3.50 / 11.50	36	2	70/51	1080 / 2380
HYDRAULIC					
ROTARYSTAR 500 / 16.4 ¹⁾	2.75 / 9.00	54	3	80/59	1600 / 3527
ROTARYSTAR 600 / 19.7 ¹⁾	3.00 / 9.80	64	4	90/66	1820 / 4012
ROTARYSTAR 640 / 21 ¹⁾	3.00 / 9.80	68	4	90/66	1910 / 4210
ROTARYSTAR 900 / 29.5	6.75 / 22.10	96	6	160/118	3600 / 7936
ROTARYSTAR 1200 / 39.4	6.75 / 22.10	128	8	200/147	4400 / 9700

¹⁾ Track width adjustable:
1470 - 1800 mm / 2240 - 2390 mm on 300, 340, 600, 640
1400 - 1450 mm / 1850 - 2080 mm on 500



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
- ✓ Two double acting hydraulic valves needed

OPTIONS

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

Trailing chassis for ROTARYSTAR 900 - 1200

Warning signs with holder and LED-lights

Clips for sensitive working in light soil conditions

P-BOX seeder for undersowing or fertilizing

CONCEPT ROTARYSTAR

1. Specially **shaped stars** - Einböck in-house development
2. Hydraulic **pressure and level regulation**
3. Equal working depth of both rows of rotors 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



ADVANTAGES ROTARYSTAR

BREAKING OF CRUSTS AND CRUMBLING THE SOIL

The ROTARYSTAR with its rotating working tools (rotor stars) has a great benefit: it breaks up crusts caused by rain 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 the rain (the soil can even be a bit dark/damp).



POWERFUL WEED CONTROL

As the weeds are lighter than the thrown-up clods of soil, it takes longer for them to fall back on the ground, therefore they remain on top of the soil after operation of the ROTARYSTAR. They dry out and die quickly.

ROTOR SECTIONS PARALLEL GUIDED WITH HYDRAULIC PRESSURE AND LEVEL COMPENSATION

Via a hydraulic parallelogram the pressure on the sections can be adjusted during operation. In addition this system allows to control the level of the rotor section and distributes the pressure in between the sections in uneven terrain.



ADVANTAGES ROTARYSTAR

SPECIALLY SHAPED STARS - DESIGNED BY EINBÖCK

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



SPOON-SHAPED TIPS - DESIGNED BY EINBÖCK

Due to the spoon-shaped hardened and low-wear star-tips, crusts are broken and crumbled. The stars 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.

IDEAL FOR WEED CONTROL IN MULCH-TILL CROPS

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



DETAILS ROTARYSTAR

REINFORCED BEARINGS

For large farms and communities , we offer reinforced bearings.



TRAILING CHASSIS

For widths over 6 m / 19.70 ft, a 3 m / 9.80 ft transport width is optionally achieved by trailingchassis.

P-BOX FOR CATCH CROP SOWING

With the P-BOX-MD or the P-BOX-STI it is possible to seed all standard seeds and their mixtures up to a size of 5 mm / 0.20" . Depending on the seeding rate and - speed it can be set to anywhere from 1 kg to 300 kg per hectare by a simple adjustment. The seed is conveyed pneumatically via hoses to the distribution plates which spread the seeds precisely. Depending on the version of the box the metering roller is driven by an electric motor or mechanically by a flexible cable with various ground drive variants.



EINBÖCK AT A GLANCE

"Everything from one source"

- » **In-house development from the idea to the finished product**
Over 85 years of experience in the construction of agricultural machinery
- » **From practitioner for practitioners**
75% of our sales and product management team are practitioners
- » **Suppliers from the region or Central Europe**
Long-lasting supplier relationships ensure consistent product quality
- » **Manufacturing**
Exclusively in Dorf an der Pram in Upper Austria
- » **Practical testing of all machines on our own test fields**
Before prototypes are turned into serial production, they have to pass substantial tests in the field and on the road
- » **After-Sales-Service**
Supply of wear and spare parts is guaranteed for decades and ensures long-term customer relationships

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





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



WEEDING TECHNOLOGY

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

TILLAGE

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



HOEING TECHNOLOGY

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

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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