

Einböck

**When hoeing
is joy!**

HOEING TECHNOLOGY

**CAMERA STEERING
SYSTEM**

ROW-GUARD

**UNIVERSAL
ROW-CROP CULTIVATOR**

CHOPSTAR-ONE *NEW*

**PREMIUM
ROW-CROP CULTIVATOR**
CHOPSTAR-PRIME

**PRECISION
ROW-CROP CULTIVATOR**

CHOPSTAR-TWIN

**HIGH RESIDUE
ROW-CROP CULTIVATOR**

CHOPSTAR-TITAN *NEW*

**GRAIN
ROW-CROP CULTIVATOR**
CHOPSTAR-MINI

**FRONT
ROW-CROP CULTIVATOR**

CHOPSTAR-FRONT

**ROTATIVE
ROW-CROP CULTIVATOR**

CHOPSTAR-ROLL

RIDGER
CHOPSTAR-HILL



WWW.EINBOECK.EU



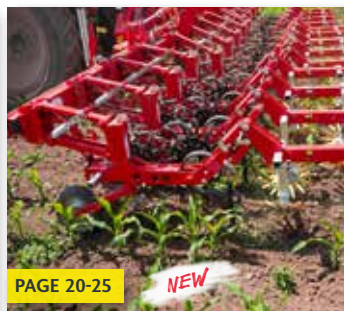
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ROW-GUARD

- ✓ Camera controlled side-shift frame applicable for different row-crop cultivators
- ✓ Latest software & camera technology



PAGE 20-25

NEW

CHOPSTAR-ONE

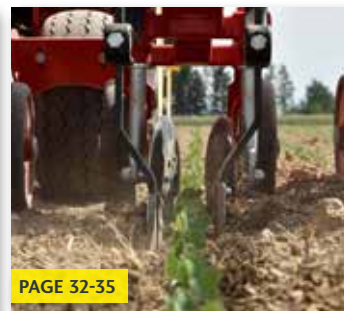
- ✓ Economical universal row crop cultivator for field crops & vegetable crops
- ✓ Up to 5 tines and up to 90 cm | 35" row distance



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CHOPSTAR-PRIME

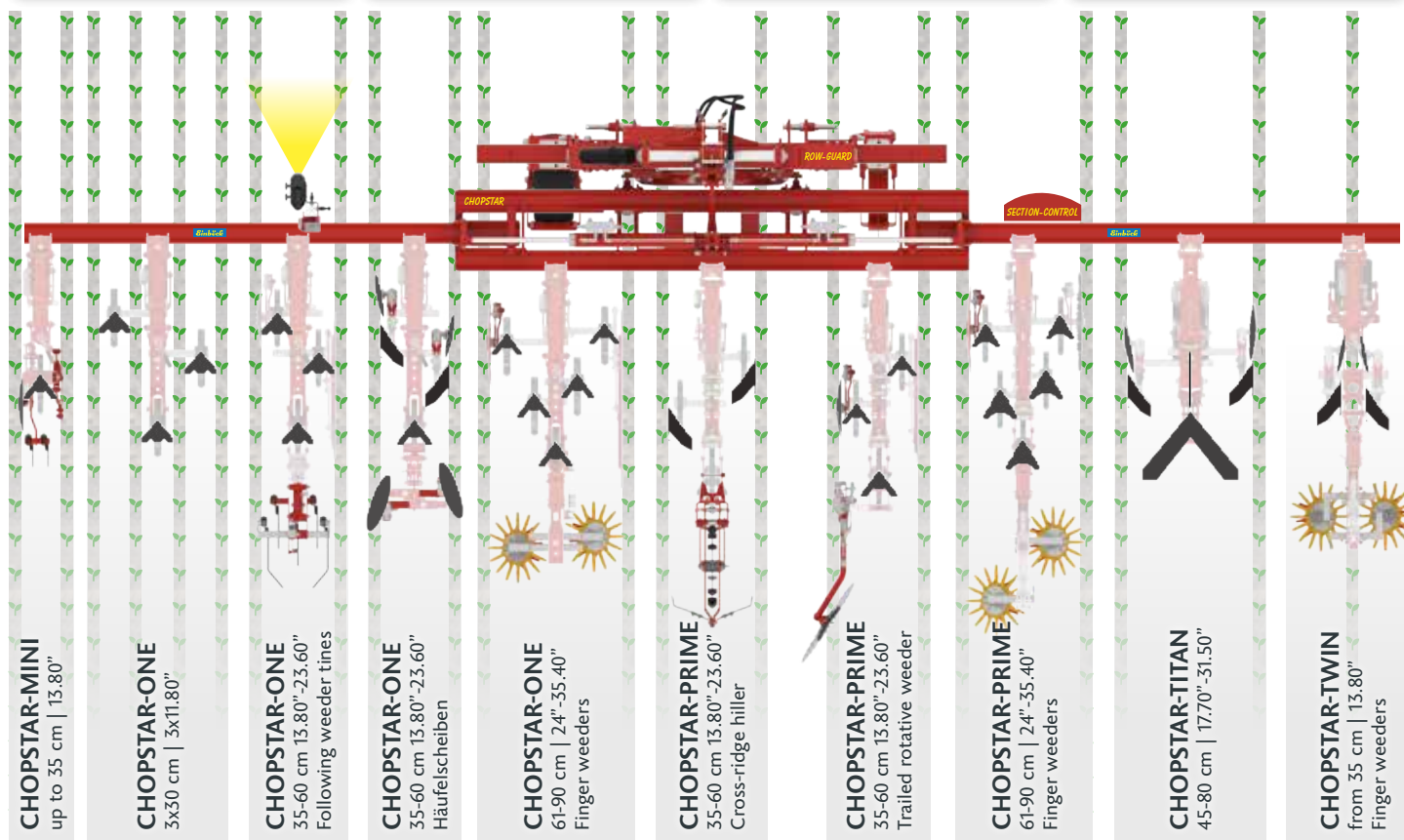
- ✓ Unique quick adjustments for all working tools
- ✓ The absolute pro for professional farmers



PAGE 32-35

CHOPSTAR-TWIN

- ✓ Element guided above the row
- ✓ Narrowest unhoed area of under 5 cm | 2"



PAGE 52-55

CHOPSTAR-HILL

- ✓ Up to 75 cm | 30" row spacing
- ✓ Hilling up of ridge crops



PAGE 56-57

SECTION CONTROL

- ✓ Up to 35 cm | 13.80", PRIME up to 50 cm | 19.70" lifting height
- ✓ Manual or GPS control
- ✓ Also for finger hoes



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FINGER WEEDER

- ✓ Parallel guided finger hoes
- ✓ Spring loaded independent holder
- ✓ Best possible soil & crop adaptation



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ROTATIVE WEEDER

- ✓ "Combing out" weeds from the row
- ✓ Fast adjustment of aggressivity
- ✓ Reliable operation in many crops



PAGE 36-39

NEW

CHOPSTAR-TITAN

- ✓ Hoeing in mulch seeding & strip till up to 80 cm | 32"
- ✓ Special cutting disc-sweep combination



PAGE 40-43

CHOPSTAR-MINI

- ✓ Up to 35 cm | 14" with one tine
- ✓ For cereals, peas, ...
- ✓ Now NEW: Ultra-flat coulters



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CHOPSTAR-FRONT

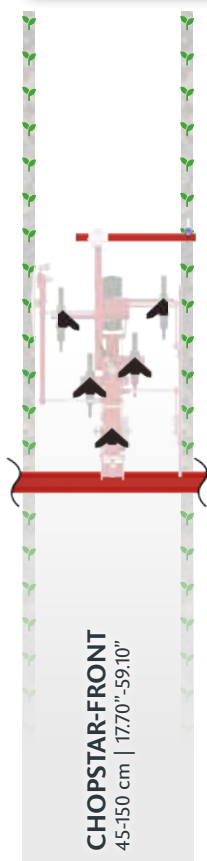
- ✓ Front row-crop cultivator for 45-150 cm | 18-60"
- ✓ For soybeans, corn, sunflower, pumpkins, etc.



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CHOPSTAR-ROLL

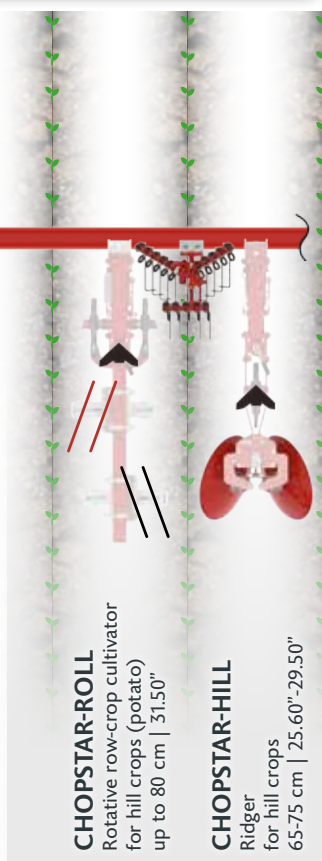
- ✓ Rotative row-crop cultivator for hill & arable crops up to 80 cm | 32"
- ✓ e.g., corn, potato, carrots, ...



CHOPSTAR-FRONT
45-150 cm | 17.70"-59.10"

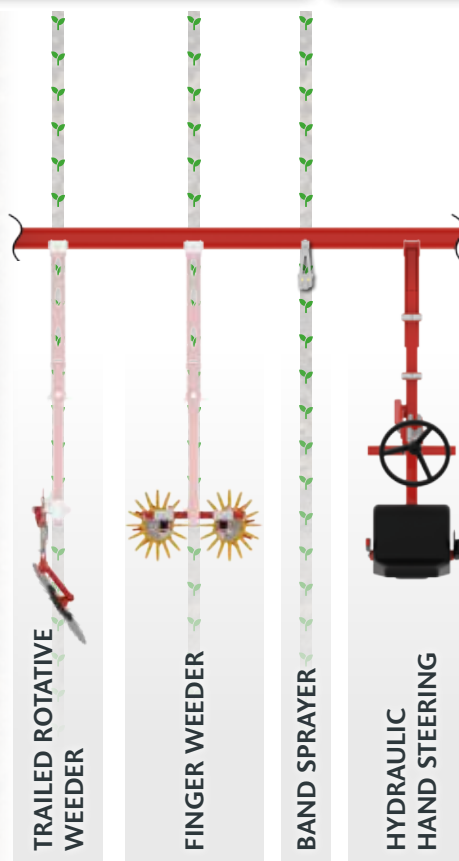


CHOPSTAR-ROLL
Rotative row-crop cultivator
45-80 cm | 17.70"-31.50"



CHOPSTAR-ROLL
Rotative row-crop cultivator
for hill crops (potato)
up to 80 cm | 31.50"

CHOPSTAR-HILL
Ridger
for hill crops
65-75 cm | 25.60"-29.50"



**TRAILED ROTATIVE
WEEDER**

FINGER WEEDER

BAND SPRAYER

**HYDRAULIC
HAND STEERING**



Crop-care



ROW-GUARD



Finger weeder



PAGE 60-62

WEEDING TOOLS

- ✓ Largest selection of tools
- ✓ Reinforced special vibro tines
- ✓ Ultra-flat or carbide tines, ...



PAGE 63

SEEDING EQUIPMENT

- ✓ Perfectly matches cultivator & seeder
- ✓ Fertilizing, undersowing, ...



PAGE 64

JUMBO-SEED

- ✓ Front tank for fertilizer, undersown or catch crops, etc.
- ✓ Up to 4 distributor heads at the rear
- ✓ SPEED-TRONIC control terminal

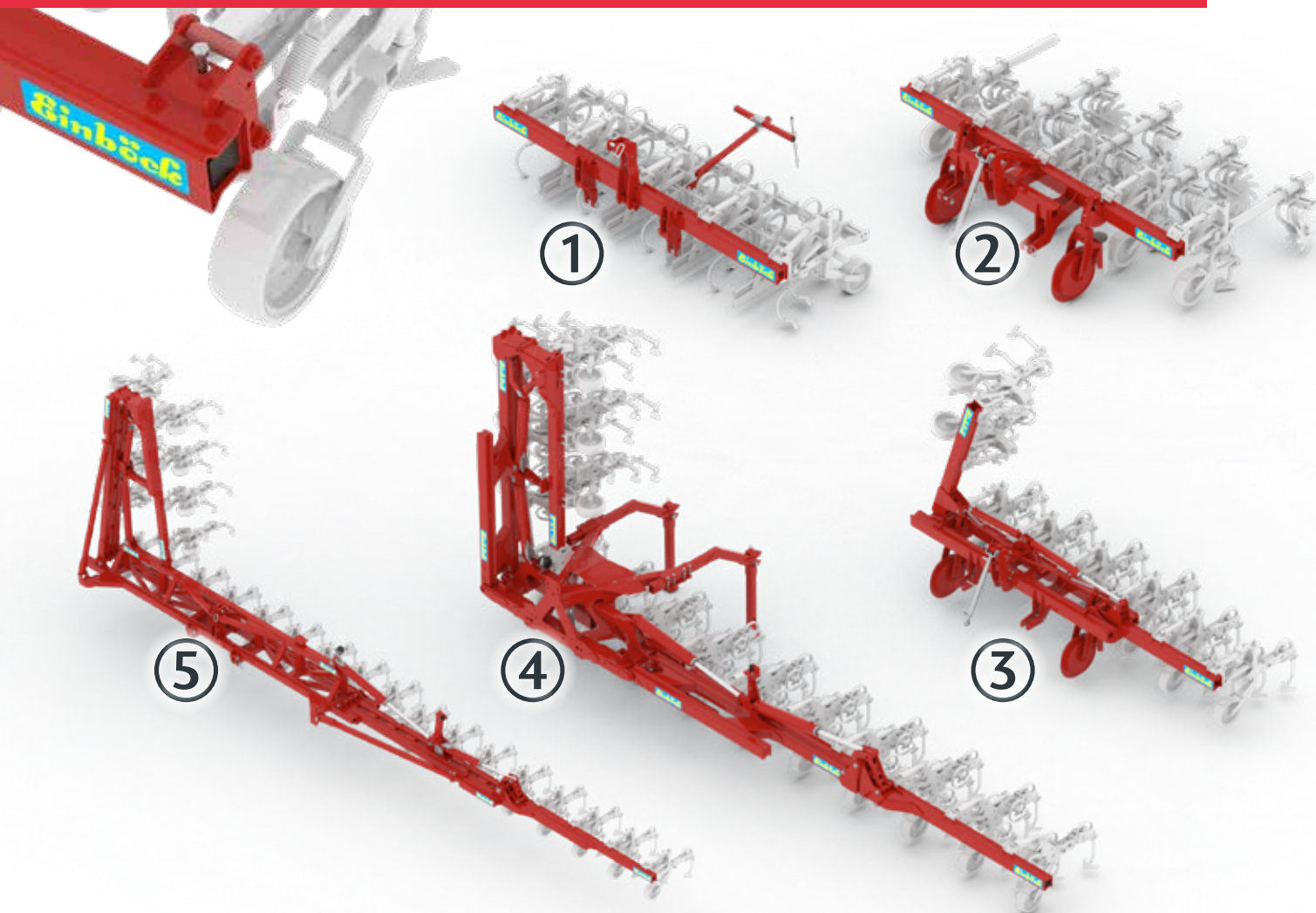


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JUMBO-STREAM

- ✓ Front tank for liquids
- ✓ band sprayer over- or underleaf, liquid fertilizer

FRAME OF ROW-CROP CULTIVATORS



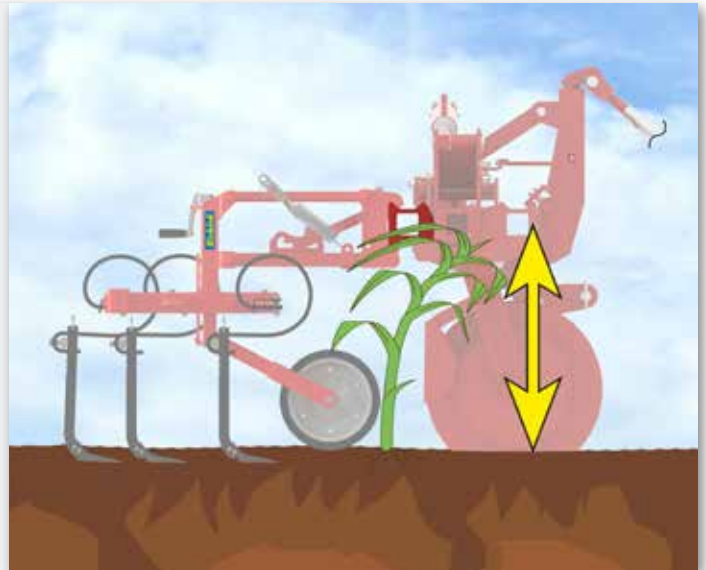
Strong frame for maximum durability

The stable machine frame, to which the hoeing parallelograms are attached, is available in a rigid version or with a hydraulically foldable design up to a width of 19 m / 62 ft. The special Einböck profiled tube allows for quick and easy mounting of the hoeing elements. The special frame shape and design ensures maximum durability and an exact fit. In addition, different row distances can be quickly and infinitely adjusted. The ROW-GUARD camera steering system can be mounted on all frames as well.

1. Front frame for rigid machines
2. Rear frame for rigid machines
3. Frame folded hydraulically
4. Rear double folding frame up to 12 m / 40 ft
5. Rear double folding frame and wide middle frame up to 19 m / 62 ft
6. Special frame

HIGH FRAME CLEARANCE

A frame clearance up to 70 cm / 27.60" makes working in bigger crops like corn, sunflowers, etc. possible. So efficient and careful hoeing / ridging up in late growth stage does not cause any problem.



TRACTOR TRACKS

Row spacing	Crop (examples)	Number of rows between the track		Example
		EVEN	ODD	
25 cm / 9.80"	Grain	150 & 200 cm 59.00" & 78.70"	175 & 225 cm 68.90" & 88.60"	Graphic 1; Graphic 2;
37,5 cm / 14.80"	Field bean, soybeans	150 & 225 cm 59.00" & 88.60"	180 cm / 70.90"	
45 cm / 17.70"	Beet, field bean, soybeans	180 cm / 70.90"	225 cm / 88.60"	
50 cm / 19.70"	Beet, soybeans, field bean, corn	200 cm / 78.70"	150 cm / 59.00"	Graphic 3; Graphic 4;
70 cm / 27.60"	Corn	150 cm / 59.00"	210 cm / 82.70"	
75 cm / 29.50"	Corn, potato	150 cm / 59.00"	225 cm / 88.60"	Graphic 5; Graphic 6;

Number of total rows - rows between the track = even = **symmetric** (e.g. 12-4 = 8)

Number of total rows - rows between the track = odd = **asymmetric** (e.g. 8-3 = 5)

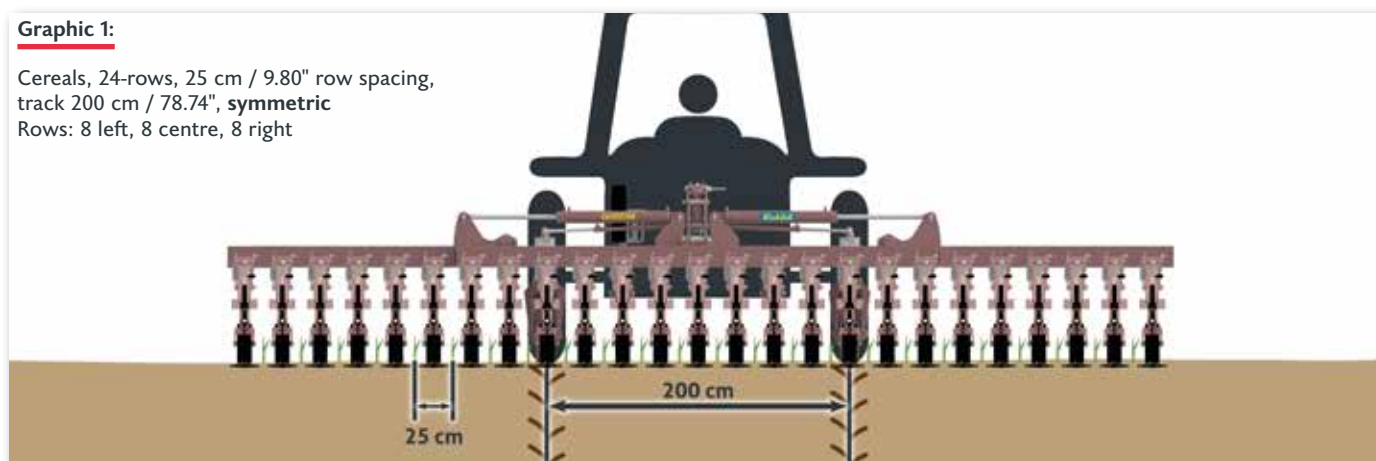
Number of rows OUTSIDE the track	Frame	Example
EVEN (e.g. 8 rows)	SYMMETRIC	Graphic 1; Graphic 4; Graphic 5;
ODD (e.g. 5 rows)	ASYMMETRIC	Graphic 2; Graphic 3; Graphic 6;



For highest precision & accuracy, a row-crop cultivator should work symmetrically!

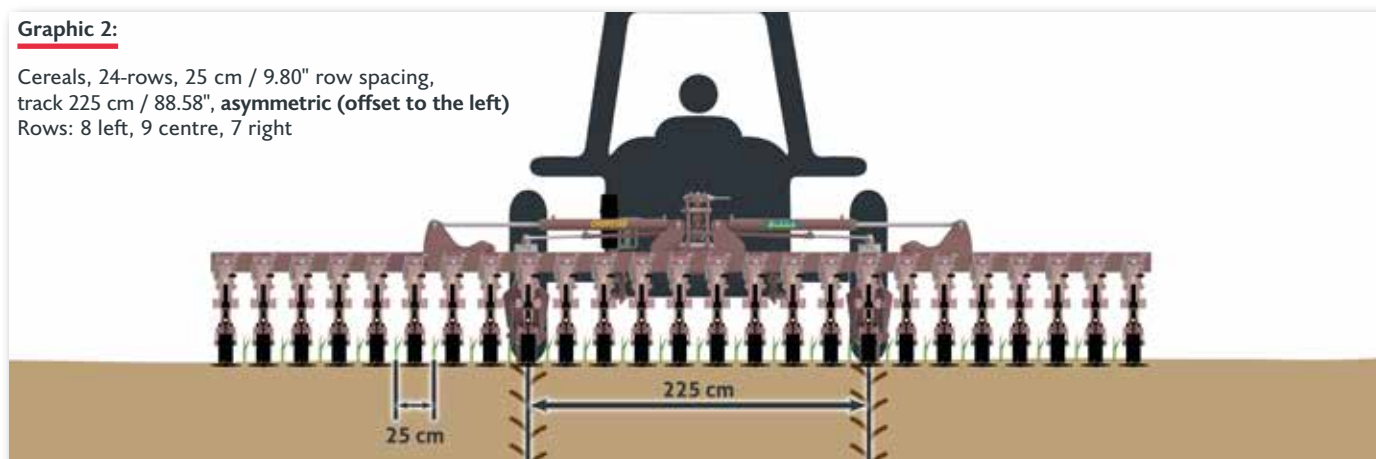
Graphic 1:

Cereals, 24-rows, 25 cm / 9.80" row spacing,
track 200 cm / 78.74", **symmetric**
Rows: 8 left, 8 centre, 8 right



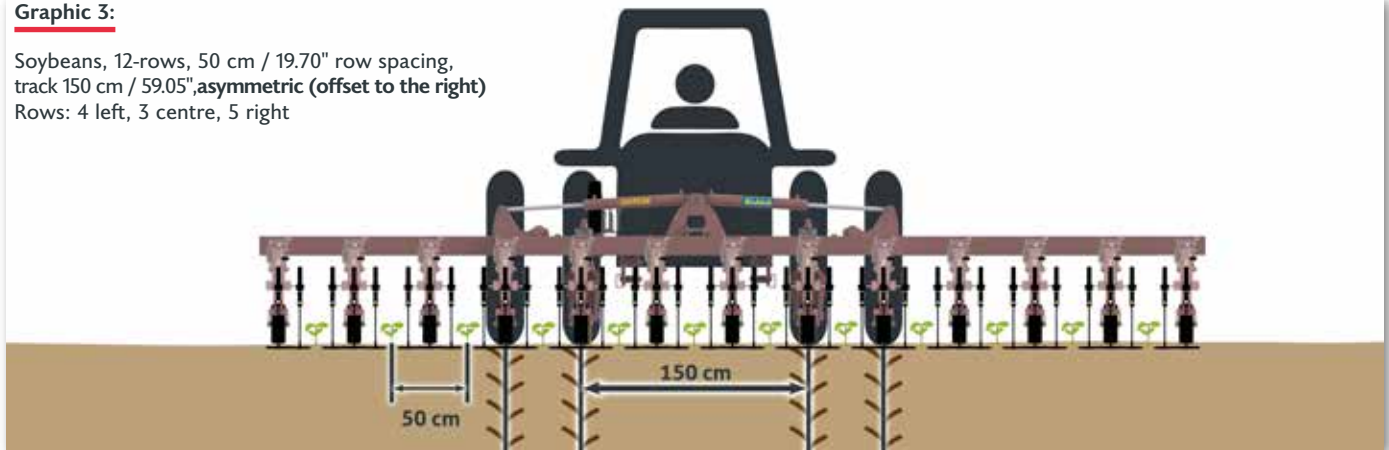
Graphic 2:

Cereals, 24-rows, 25 cm / 9.80" row spacing,
track 225 cm / 88.58", **asymmetric (offset to the left)**
Rows: 8 left, 9 centre, 7 right



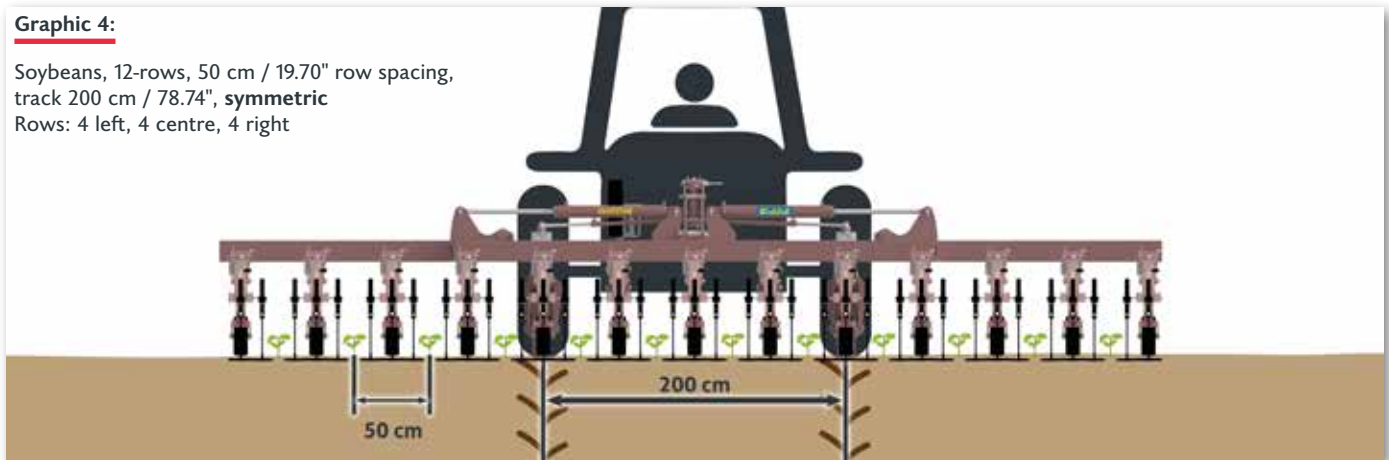
Graphic 3:

Soybeans, 12-rows, 50 cm / 19.70" row spacing,
track 150 cm / 59.05", **asymmetric (offset to the right)**
Rows: 4 left, 3 centre, 5 right



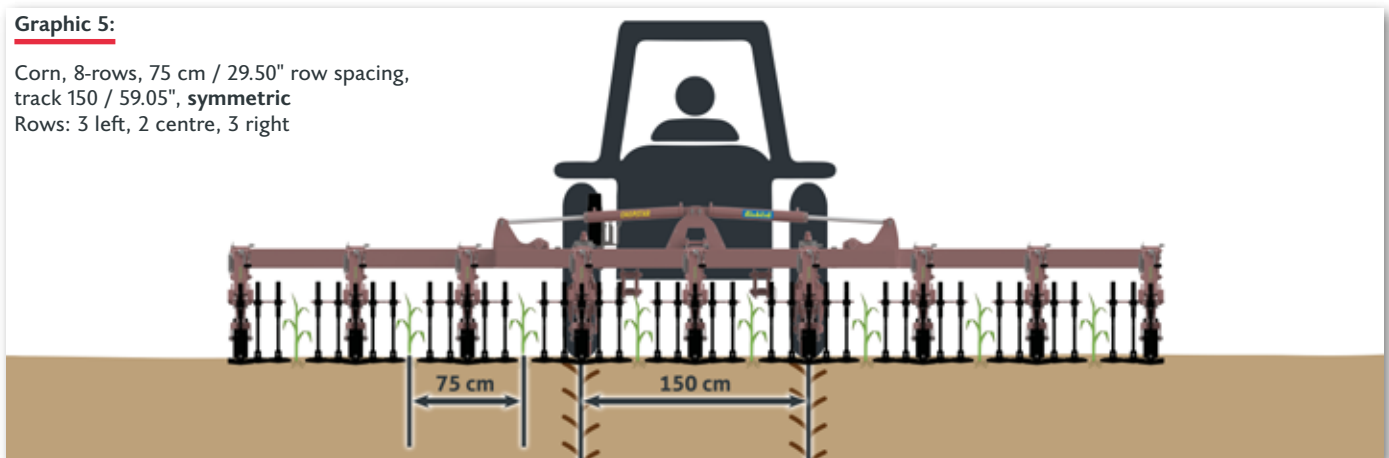
Graphic 4:

Soybeans, 12-rows, 50 cm / 19.70" row spacing,
track 200 cm / 78.74", **symmetric**
Rows: 4 left, 4 centre, 4 right



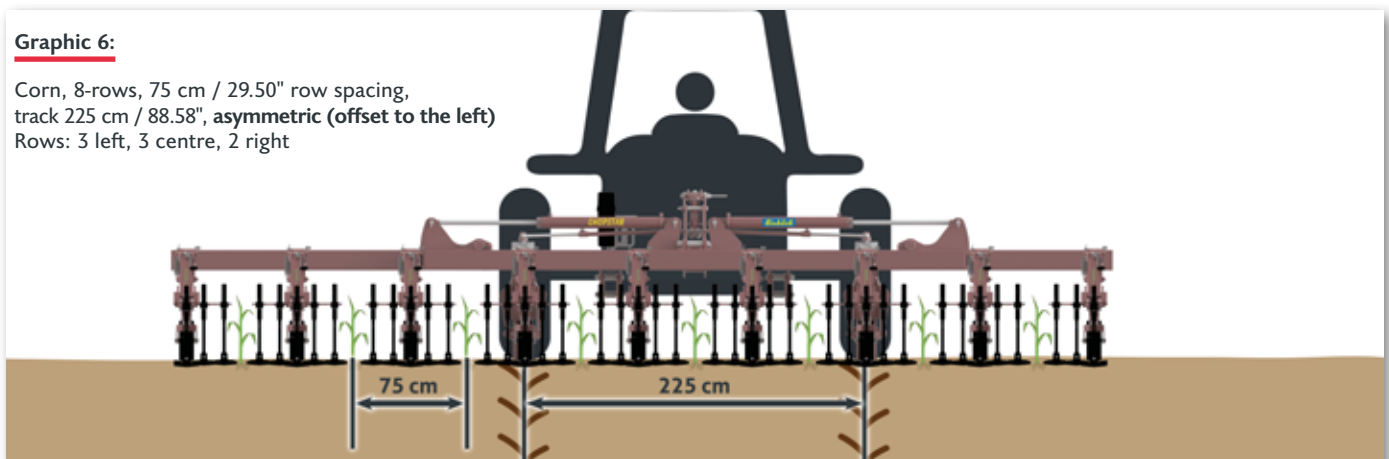
Graphic 5:

Corn, 8-rows, 75 cm / 29.50" row spacing,
track 150 cm / 59.05", **symmetric**
Rows: 3 left, 2 centre, 3 right



Graphic 6:

Corn, 8-rows, 75 cm / 29.50" row spacing,
track 225 cm / 88.58", **asymmetric (offset to the left)**
Rows: 3 left, 3 centre, 2 right



STEERING OF ROW-CROP CULTIVATORS

AUTOMATIC SIDESHIFT FRAME WITH CAMERA-GUIDANCE

A ROW-GUARD sideshift frame can be mounted to each row-crop cultivator, also retro-fitted.



UPPER LINK STEERING

An automatic upper link steering system can be mounted on rear-mounted hoeing machines. This ensures precise hoeing even on hilly conditions and curves. Hoeing on hills with an incline of up to 6% is possible. Even in curves, the row-crop cultivator runs as close as possible behind the tractor track. Steering is done via gauge wheels. The implement does not need to be carried by the tractor. It is therefore used with position control and swinging lower links (approx. 7 cm / 2,80" each side).

GAUGE WHEELS ON IMPLEMENTS WITH UPPER LINK STEERING

The gauge wheels ensure perfect guidance of the hoe and stability at hilly conditions. The tractor's front wheels are not relieved of load, as the weight of the machine is carried by the gauge wheels. Especially on hilly conditions, the gauge wheels help prevent the implement from drifting. Scrapers ensure that the gauge wheels do not become clogged.



MANUAL HYDRAULIC STEERING

In order to increase the precision of a row-crop cultivator without camera steering or to reduce the width of the hoeing belt, a manual hydraulic steering is optionally available. This accessory allows a person to steer the row-crop cultivator independently from the tractor. The seat is positioned so that the best view on the crop row is guaranteed. The steering is hydraulically operated, so that even longer hoeing operations can be done. The hydraulic steering is not or only partially usable on machines with finger weeders and hydraulic lifting of the parallelograms.



PUSHED SECTIONS ON FRONT MOUNTED MACHINE

The front-mounted row-crop cultivator can be used without an extra front mounting support as the elements are strong enough to be operated in pushed position. This results that the row-crop cultivator is mounted very closely to the tractor, which has following advantages:

- » Less side pull when working in hills
- » More exact adaption of each separate element because the Farmflex-wheels are running in front of the element
- » Reduced weight to reduce soil compaction
- » Short distance between cultivator and front axle, therefore higher precision in steering
- » Advantage when driving curves during operation, as well as road transport
- » Better visual control during operation and also road transport

ATTACHMENT VIA THREE-POINT LINKAGE

If no special attachment (e.g., via a sideshift frame or upper link steering) is required, a rear row-crop cultivator can be attached to the tractor via guided lower links Cat. 2 or 3, depending on the model.





RELIABLE. SUCCESSFUL. INTUITIVE.

CAMERA STEERING SYSTEM ROW-GUARD

The ROW-GUARD camera steering system steers the hoe with absolute precision along the crops via a sideshift frame. This guarantees precise and close work of the hoe even at high speeds and will relieve the driver. Even with very small plants (from approx. 2 cm / 0.80") as well as in different colors or with heavy weeds, the ROW-GUARD camera steering in organic and conventional cultivation brings increased precision.

The automatic camera steering can be conveniently set from the tractor via an operating terminal. With the help of different setting parameters, adapted to the crop (row spacing, number of rows in the camera's field of view, plant width and height), an appropriate grid is laid over the image. Based on this data, the hoe is centred exactly along the row with the help of the sideshift frame. This ensures a narrow hoeing belt which guarantees maximum weed control.



Type	Weight approx. kg / lbs (without wheels)	for frame	Hoe kg / lbs	Mounting category		1 single acting hydraulic valve with permanent oil-flow and pressure-free return line
				front	back	
ROW-GUARD 380	315 / 690	< 3.20 m / 10 ft.	≤ 1200 / 2650	II/28	II/28	1
ROW-GUARD 500	390 / 860	< 6.99 m / 25 ft	≤ 2500 / 5511	II/28	II/28	1
ROW-GUARD 500 SR	530 / 1170	< 12.2 m / 40 ft	≤ 3900 / 8598	III/36	III/36	1
ROW-GUARD 500 SRHD	960 / 2120	> 12.2 m / 40 ft	> 4000 / 8818	III/36	III/36	1

STANDARD EQUIPMENT

- ✓ Sideshift frame including camera hardware and software with a total shift of 500 mm / 20" for models 500, 500SR, and 500SRHD, and 380 mm / 15" for model 380
- ✓ Speed and upper link information via wheel and upper link sensor, ISO sensor, or ISOBUS
- ✓ Guide shafts made of high-strength, coated material for minimal wear
- ✓ Stabilizing wheels made of rubber or steel with high gauge
- ✓ Camera mount suitable for Einböck row-crop cultivator frame
- ✓ Top and lower link pins guided on both sides and with hardened wear bushings
- ✓ Quick couplers for quick changing of the rear row-crop cultivator for model 500
- ✓ Parking support when ordering without row-crop cultivator
- ✓ Hydr. proportional valve instead of "black-and-white" valve for dynamic valve control and smooth movements of the sideshift frame
- ✓ HD camera with 2 vertically arranged, high-resolution lenses with different exposure settings and thus greater operational reliability, camera connection cable, length 4 m
- ✓ Camera control with standalone touchscreen terminal with integrated video image and universal mount, or via an external ISOBUS terminal
- ✓ Software - Claas-CultiCam "Professional Version":
 - » Detection of different row structures (single and multiple rows)
 - » Up to 5 rows and 1.5 m
 - » Automatic height and angle detection of the camera: convenient adjustment of the camera height. The actual height and angle of the camera are shown on the display. Integrated table for recommended camera height!
 - » Color options in 2D mode: green/yellow, green/blue, red
 - » 3D mode: rows are also detected based on the difference in height. If the difference in height between the crop and weeds is 10+ cm. Particularly advantageous in cases of full-surface weed infestation
 - » Automatic offset switching
 - » Saving of settings
 - » And much more

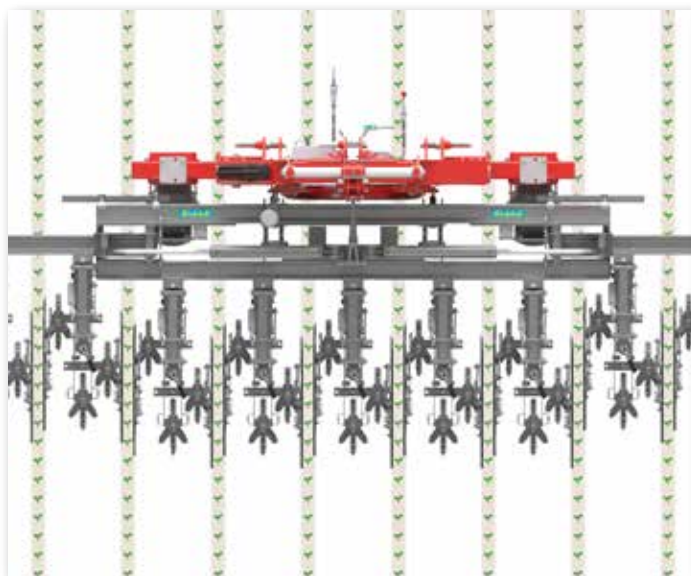
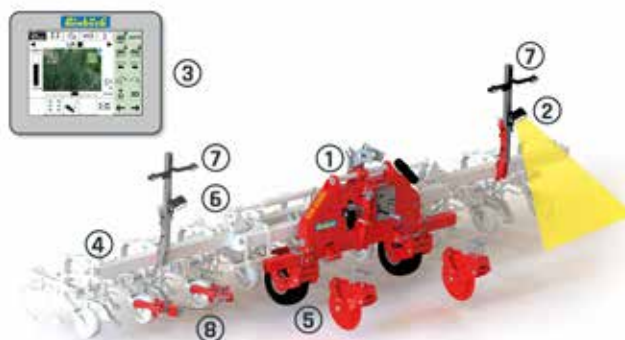
OPTIONS

- » LED headlights for working at night
- » Mechanical feeler
- » Second camera for working with SECTION-CONTROL
- » Automatically swiveling camera holder
- » Monitoring camera with special lens
- » Joystick for manual control of the sideshift frame
- » Second pair of stabilizing wheels for twin tires
- » Steering & drift correction SMART-HILL (automatic slope compensation)

ADVANTAGES ROW-GUARD

CONCEPT

1. Linear **sideshift frame** with 50 cm sideshift for ROW-GUARD 500 & 38 cm for ROW-GUARD 380
2. **Camera** with latest camera hardware detects the plant rows and steers the sideshift frame to the centimeter (1)
3. Independent **operating monitor** with the latest software technology recognizes 1-5 plant rows in HD and 2D/3D
4. Can be hitched to **different row-crop cultivators** and 100% compatible with Einböck hoeing technology
5. **Stabilizing wheels** made of rubber or wheel flange in different widths
6. **Second camera** for hoeing with SECTION-CONTROL (optional)
7. **LED lights** for hoeing during the night (optional)
8. **Mechanical feeler** for hoeing after row closure (optional)



SHORTEST CONNECTION OF SIDESHIFT FRAME AND ROW-CROP CULTIVATORS

Because of the narrow construction of the Einböck-linear-sideshift frame the centre of gravity remains very closely to the tractor. This construction offers the following advantages:

- » Reduced axle load on the tractor and therefore reduced soil compaction
- » The wider the construction of the sideshift frame, the higher the load on the rear axle and the lifting power requirement of the tractor increases
- » The extremely narrow construction of the ROW-GUARD moves the centre of gravity only 20 cm / 7.90" to the rear
- » Machines with parallelogram shifting extend the position of row-crop cultivator up to 80 cm / 30" and more to the rear
- » Especially when fields are not straight or in hilly conditions the short construction is a big advantage

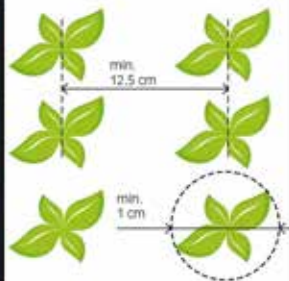
ONE SIDESHIFT FRAME = SEVERAL ROW-CROP CULTIVATORS

Simple and quick coupling and uncoupling of the Einböck sideshift frame allows to use different row-crop cultivators with only one sideshift frame.



LATEST VERSION OF HARD- AND SOFTWARE

- » Highest level of quality and excellent construction of the sideshift frame
- » Smooth and consistent movement because of the high-quality proportional valve
- » Millimetre-accurate control of the linear sideshift frame
- » State-of-the-art and intuitively operated touch-screen terminal
- » 100% control of functionality before leaving the factory
- » Spare connection for manual control like feeler or hand steering



RELIABLE PLANT RECOGNITION OF DIFFERENT ROW-CROPS

The system can be used in various crops with the following color modes: green/blue, green/yellow and red. From row spacing 12,5 cm / 4.90" and applicable from a plant size of 1 cm / 0.40" (depending on the crop)

FLEXIBLE POSSIBILITIES TO ADJUST THE CAMERA

- » Number of rows 1-5
- » Row spacing up to 1,5 m / 4.90 ft
- » Quickly adjustable to different crop dimensions



ADVANTAGES ROW-GUARD

BEST VISIBILITY

The software recognizes the plant rows even in case of heavy weed infestations and/or small plants. The settings can be adjusted easily on the conditions.

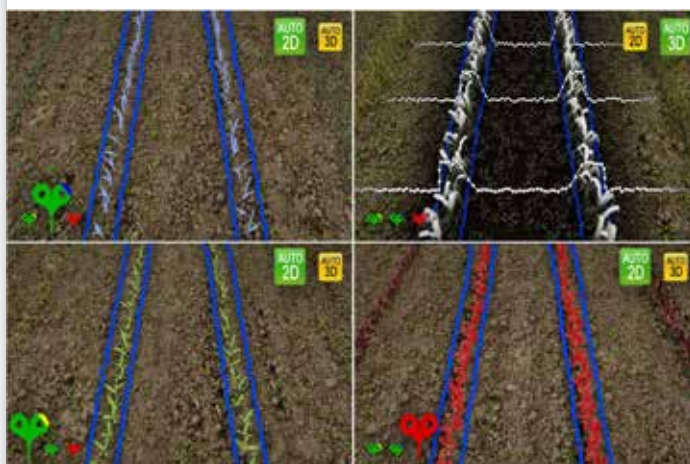


SPECIAL FEATURES:

- » Proportional hydr. valve: dynamic control of the valve for smooth operation of the sideshift frame
- » 3D-mode: the machine recognizes the row because of the difference in height between crops and weeds
- » Automatic recognition of height and angle position of the camera: comfortable adjustment of camera height
- » Color options in the 2D-mode (green/yellow, green/blue, red)
- » Automatic switching of offset
- » High camera resolution
- » Recognition of different row structures (single or multiple rows)
- » Integrated chart for recommended camera height
- » Saving of settings

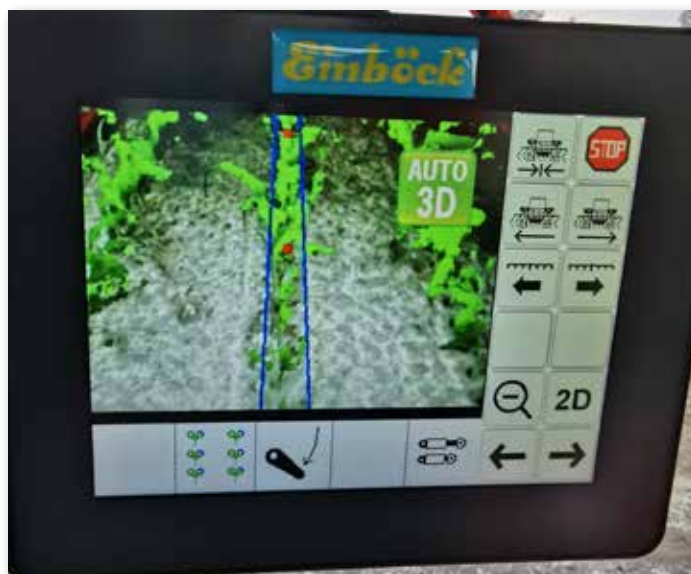
ADAPTATION OF THE CAMERA

The camera setting can be adjusted to suit the color or height of the crop. You can choose between green/yellow (e.g. corn), green/blue (e.g. soybeans, vegetables) or red (vegetables e.g. beetroot) in 2D mode. The 3D mode can be used for corn, soybeans, sunflowers, etc., if the plant rows have a clear growth advance (approx. 10 cm / 3.90") over the weed. Correct adjustment to the crop further increases the accuracy of row guidance.



STABILISING WHEELS

When ordering an Einböck row-crop cultivator height-adjustable stabilising wheels are included. The wheels can be adjusted to the track width of the tractor and the row distance. Depending on the type of soil you can choose between different rubber or metal gauge wheels.

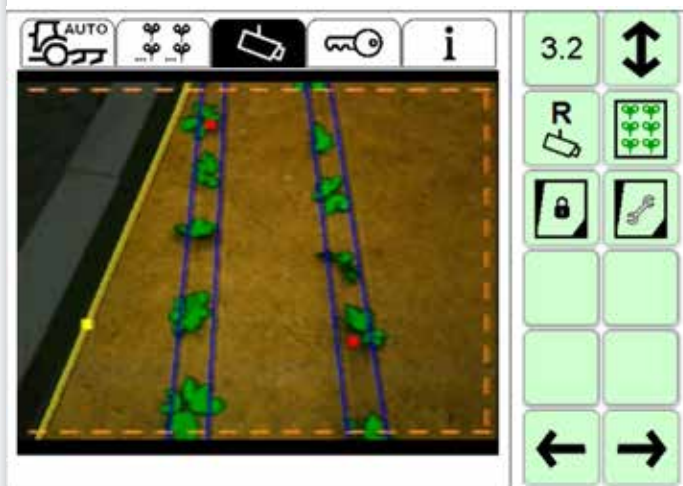


3D-MODE

Rows can also be detected on the basis of the height difference. Especially in heavy weed-infested fields this additional option ensures additional precision.

CUTTING OF THE IMAGE

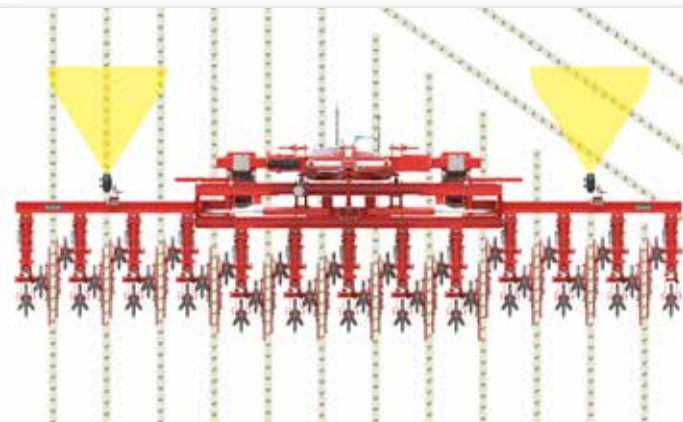
Tractor tracks or other elements in the image would prevent the ROW-GUARD from precise working (especially in smaller working widths). Therefore, it is possible to cut the image easily and quickly.



OPTIONS ROW-GUARD

MAXIMUM PRECISION - 2ND CAMERA (OPTIONALLY)

A row-crop cultivator can be controlled by two cameras simultaneously. Especially for very small crops, an additional camera, by looking on additional plant rows, ensures a great result. Especially for hoes with hydraulic lifting "Section Control": For example, on pointy rows at the headlands a row of plants always remains within the camera's field of view. This ensures hoeing until the last unworked row and guarantees a weed control on the full surface of the field.



MECHANICAL FEELER

- » For sensing a crop row (row spacing > 35 cm / 13.8")
- » Supports the ROW-GUARD shortly before or after row closure
- » Called "cat-whiskers" in North America

LED-LIGHTS

For working at night or at dusk.



CAMERA HOLDER THAT IS SWIVELED IN AUTOMATICALLY

The optionally available swivel-in camera holder automatically swivels upwards when folding the machine and thus prevents a possible collision of the camera with the sideshift frame. Especially for smaller machines (e.g. 6-row, 70 cm), this practical accessory provides further convenience and operating safety.

OPERATION VIA ISOBUS

The ROW-GUARD system can be controlled either via a standalone/independent, external, or tractor-internal ISOBUS terminal. All functions and settings are fully available to the user.



ROW-GUARD HOTLINE

In case the operator needs help to correctly set the machine, a phone-hotline is available during the season of hoeing.



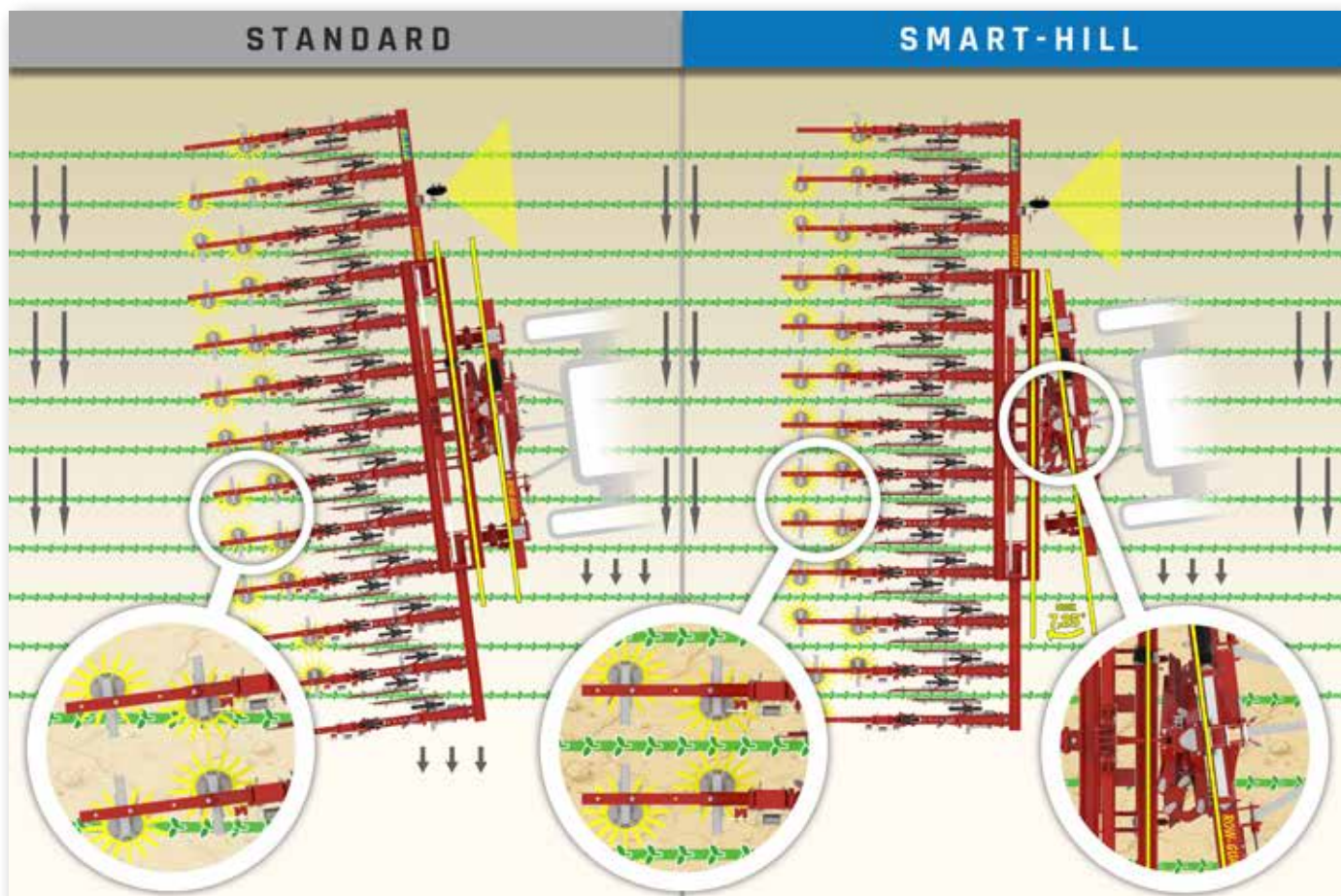
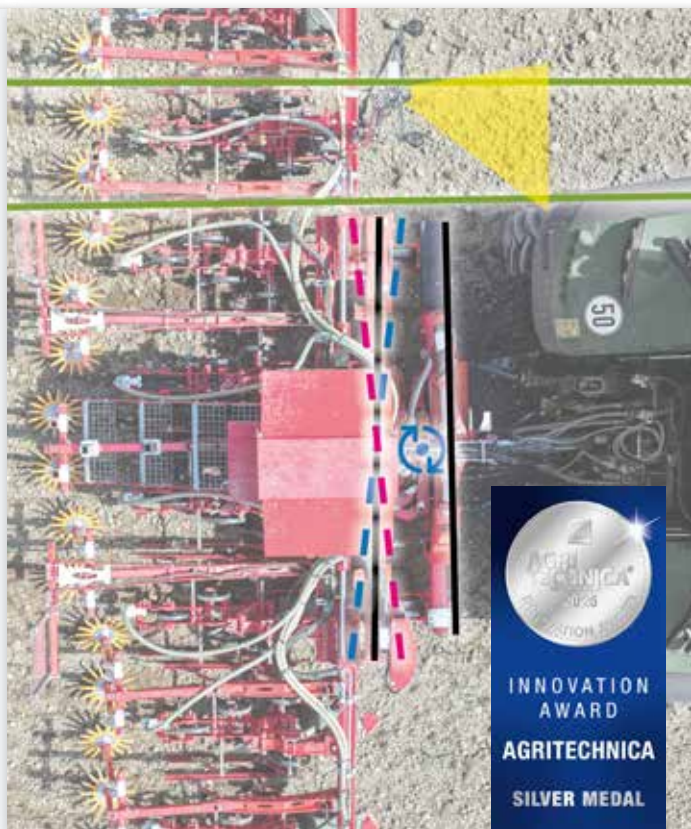
STEERING & DRIFT CORRECTION SMART-HILL

STEERING & DRIFT CORRECTION SMART-HILL

SMART-HILL adds another axis to the ROW-GUARD sideshift frame, which automatically corrects the drift and tilt of the row-crop cultivator. This unique slope compensation system keeps the row-crop cultivator perfectly in line even on slopes and allows it to work more precisely, quickly, and efficiently. The DLG awarded the SMART-HILL system the silver medal at Agritechnica 2025.



www.einboeck.at/en/smart-hill



DETAILS ROW-GUARD 380

THE SIDESHIFT FRAME WITH CLEAR VIEW

The ROW-GUARD 380 camera sideshift frame was developed specifically for vegetable cultivation. Its special construction ensures close tractor attachment and reliable row guidance, even with rigid rear implements with centered camera mounting.



HARDWARE STANDARD EQUIPMENT:

- » 380 mm / 15" displacement
- » For rigid rear implements up to 1,200 kg / 2,600 lbs
- » Camera field of view with visibility between the tractor's lower links
- » Connection to rear implement via three-point linkage, machine triangle, or flange

SOFTWARE STANDARD EQUIPMENT:

- » Same as for ROW-GUARD 500





UNIQUE. FLEXIBLE. COMFORTABLE.

ROW-CROP CULTIVATOR CHOPSTAR-ONE

The CHOPSTAR-ONE universal row crop cultivator can be used with row distances of 35 to 90 cm / 14-35", e.g. in beets, soybean, corn, sunflowers, but also in special crops, vegetables, etc. It is characterized by its extremely flexible tool arrangement as well as compatibility and versatility.

Depending on the conditions of use and the objective of the hoeing pass, a wide range of tools can be attached to the ONE, such as camera steering system, parallelogram lift, following weeder tines, finger weeders, rotative weeders, protection elements, and a wide variety of tines, sweeps, knives, etc.



The flexible row-crop cultivator is extremely versatile, adaptable, compatible, and ready for any crop!



Rows	Row distance in cm	Frame	Transport width		Frame width		Tines	Body	from hp/kW	Weight	
			~ m	~ ft.	~ m	~ ft.				kg	lbs
4	50	S	2,00	6,6	2,00	6,6	13	5	30/22	450	990
6	50	S	3,00	9,8	3,00	9,5	19	7	40/30	580	1 280
8	50	K	3,00	9,8	3,8	12,5	25	9	60/44	880	1 940
12	50	K	3,00	9,8	5,6	18,4	37	13	70/51	1 210	2 670
15	50	K	3,20	9,8	6,95	22,8	46	16	90/66	1 570	3 460
18	50	P	3,00	9,8	8,3	27,2	55	19	130/96	2 060	4 540
24	50	P	4,00	9,8	11,00	36,1	73	25	160/118	2 570	5 670
4	75	S	3,00	9,8	3,00	9,8	21	5	40/30	560	1 230
4	75	K	3,00	9,8	3,00	9,8	21	5	50/37	840	1 850
6	75	S	4,40	14,4	4,40	14,4	31	7	60/44	820	1 810
6	75	K	3,00	9,8	4,40	14,4	31	7	60/44	1 010	2 230
7	75	K	3,20	10,5	5,10	16,7	36	8	70/51	1 090	2 400
8	75	S	5,80	19,0	5,80	19,0	41	9	80/59	990	2 180
8	75	K	3,20	10,5	5,80	19,0	41	9	80/59	1 170	2 580
12	75	K	4,80	15,7	8,60	28,2	61	13	140/103	1 810	3 990
12	75	P	3,00	9,8	8,60	28,2	61	13	140/103	2 040	4 500
16	75	K	6,90	22,6	11,40	37,4	81	17	160/118	2 250	4 960
16	75	P	4,00	9,8	11,40	37,4	81	17	160/118	2 500	5 510

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

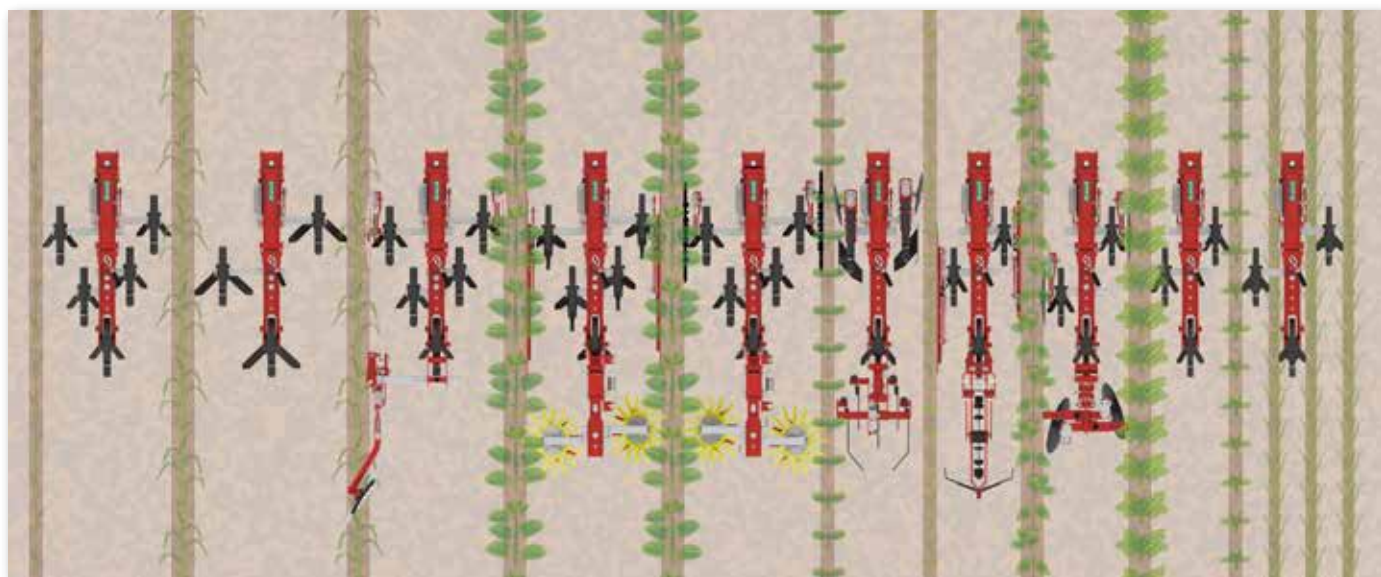
STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ ONE hoeing element with SIMPLE-GRIP tine quick adjustment for row distances up to 90 cm / 35" and up to 5-tine configuration
- ✓ Large, readjustable parallelograms for maximum height adaption and durability, including main frame quick fixation
- ✓ Parallelogram down pressure adjustable
- ✓ Height adjustable Farmflex depth-control wheels with ball bearing, ø 300 mm / 100 mm
- ✓ Various hoeing tools such as vibro-tine, carbide metal duckfoot sweeps, angle knives, heaping sweeps, etc.

OPTIONS

- » Trailed working tools such as finger weeders, following weeder tines, rotative weeder, hilling discs, etc.
- » Quick-change function for trailed working tools
- » Finger weeder with its own parallelogram, SMART-GRIP or SIMPLE-GRIP quick adjustment, and spring-loaded
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 35 cm / 14" lifting height and simultaneous lifting of the hoeing element and trailed working tools, including neat hose routing
- » Various crop protection elements, can be raised, height adjustable, with quick adjustments and parallelogram-guided (depending on version)
- » VERSO equipment – the cutting disc/angle knife combination
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts

CONCEPT CHOPSTAR-ONE



e.g. for beets, soy, rapeseed, corn, sunflower, vegetables, special crops,...

Equipment: up to 5 tines

Row distance: 35 to 90 cm / 14" to 35"

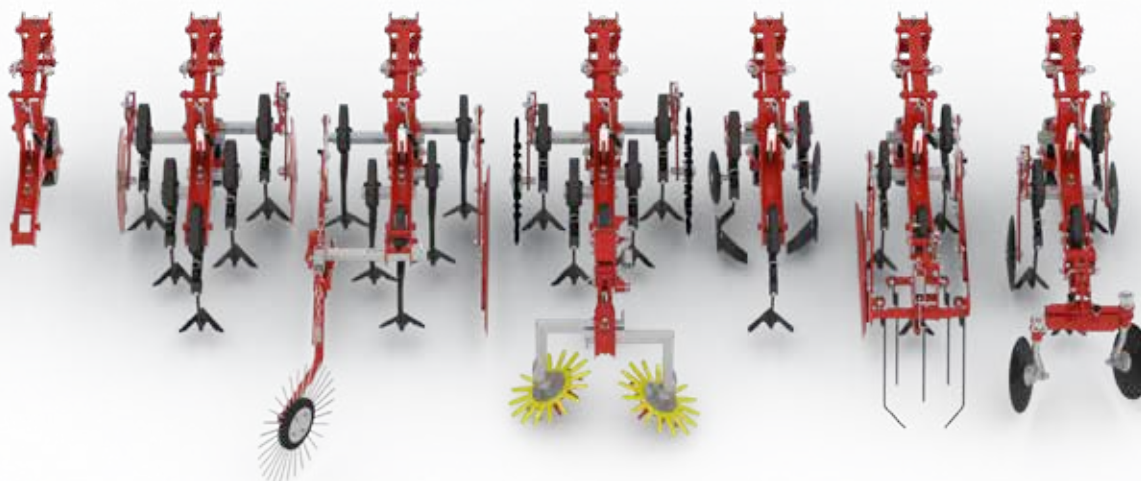
Trailed working tools: weeder tines, rotative weeder, hilling discs, finger weeders,...

Shares and tines: Einböck special vibro-tines, ultraflat sweeps, angle knives, heaping sweeps,...

Protection elements: without, stars, shields or discs



www.einboeck.at/en/one



BOLTED OR CLAMPED WORKING TOOLS

All working tools are bolted or clamped to the frame. This has the following advantages for the user:

- » Always a tight fit (don't get loose) of the working tools, especially during working on the field
- » Set distances or working depth are precisely maintained
- » No deflection of the connections and minimal wear and tear
- » Durable fixings/clamps withstand many hoeing seasons
- » Fixing of the tools without clearance what results e.g. in exact guidance of the sweeps
- » Allows very precise, infinitely variable adjustment

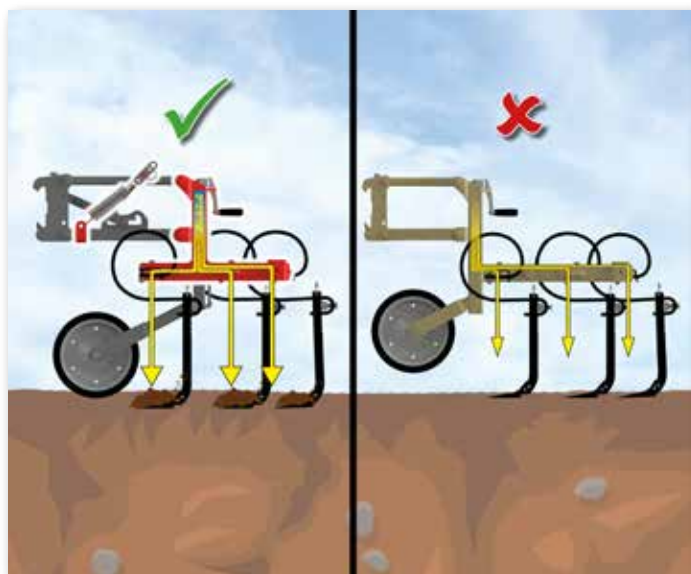


ADVANTAGES CHOPSTAR-ONE

LONG PARALLELOGRAMS

The wide parallelograms are equipped with retraction support and durable Farmflex feeler wheels. Furthermore they can be adjusted in the joints, this guarantees a high (side)stability and accuracy even after many years of use.

The long parallelograms provide enough space to compensate unevenness of the fields on each element, on hills or pans.



ARRANGEMENT HOEING ELEMENTS

With the tine hoeing elements (e.g. beet, soybeans, field bean, corn, etc.), the hoeing element is placed "under" the elongated parallelogram. It's advantage is that the hoeing elements and tines are pulled in better even in soils with heavy crusts and hard soils. Due to the long parallelogram, less pressure is needed to push in the tines as if the hoeing elements would be placed "behind" the parallelogram.

HIGH PENETRATION

All Einböck row-crop cultivator parallelograms are fitted with three-step adjustable retraction spring as standard. This allows a penetration pressure of up to 105 kg on each hoeing element (depending on the equipment, working position and spring preload). These adjustable springs ensure a smooth running of the hoeing elements even at high working speeds and safe penetration even into hard and crusted soils.



TRAILED WORKING TOOLS CHOPSTAR-ONE

FOLLOWING WORKING TOOLS

The holder of the following elements has been perfected, so it is possible to quickly change between different tools. This helps to save a lot of time during the hoeing season to adjust the machine to different crops or growth stages.



STANDARD FINGER WEEDERS

Mounted on the hoeing element

The standard finger weeders with "SIMPLE-GRIP" quick adjustment are equipped with an additional parallelogram to enable perfect soil adaptation. In addition, the aggressiveness of the finger weeders can be quickly adjusted with a spring.

ADJUSTABLE WEEDER TINES

To pull weeds to the surface and ensure they dry out adjustable weeder tines can be mounted to the element. They clean the roots of the weeds from soil and at the same time they level the cultivated area. The outer tines on the element can be positioned to direct the earth flow either to or away from the crop row. Even weeding in the row to control weeds is possible, e.g. operation like a torsion hoe. In addition the following weeder tines ensure good seed-to-soil contact when intercrops are seeded.





UNIVERSAL. PERFECT. INNOVATIVE.

PREMIUM ROW-CROP CULTIVATOR CHOPSTAR-PRIME

The premium row-crop cultivator CHOPSTAR-PRIME can be equipped with up to 5 vibro-tines per hoeing element and is used in row crops with a row distance of 35 cm/14" to 90 cm/35" (such as beets, soybeans, field beans, corn, sunflowers, etc.). Centerpiece of the PRIME is a central quick-locking system, which allows all tine carriers to be quickly adapted to the crop or adjusted to the actual field conditions. Depending on the operating conditions and the hoeing aim, a wide range of working tools such as trailed weeder tines, finger weeder stars, roll stars, crop protection elements, etc. can be attached. These also have a quick adjustment and it is easy to switch between the different attachments. A SECTION-CONTROL parallelogram lift of up to 50 cm/20" perfects the row-crop cultivator.

With the camera steering ROW-GUARD shifting frame and other additional options, the operation of the CHOPSTAR-PRIME can be further perfected.



Rows	Row distance in cm	Frame	Transport width ~ m ~ ft.	Frame width ~ m ~ ft.	Tines	Body	from hp/kW	Weight kg lbs
4	45	S	2,00 6,6	2,00 6,6	13	5	30/22	514 1 130
6	45	S	3,00 9,8	2,90 9,5	19	7	40/30	670 1 480
8	45	K	3,00 9,8	3,80 12,5	25	9	60/44	990 2 180
12	45	K	3,00 9,8	5,60 18,4	37	13	70/51	1 370 3 020
15	45	K	3,20 10,5	6,95 22,8	46	16	90/66	1 770 3 900
18	45	K	4,80 15,7	8,30 27,2	55	19	130/96	2 110 4 650
18	45	P	3,00 9,8	8,30 27,2	55	19	130/96	2 300 5 070
24	45	K	6,70 22,0	11,00 36,1	73	25	160/118	2 670 5 890
24	45	P	3,00 9,8	11,00 36,1	73	25	160/118	2 880 6 350
4	70	S	3,00 9,8	3,00 9,8	21	5	40/30	575 1 270
4	70	K	3,00 9,8	3,00 9,8	21	5	50/37	870 1 920
6	70	S	4,40 14,4	4,40 14,4	31	7	60/44	870 1 920
6	70	K	3,00 9,8	4,40 14,4	31	7	60/44	1 060 2 340
7	70	K	3,00 9,8	5,10 16,7	36	8	70/51	1 140 2 510
8	70	S	5,80 19,0	5,80 19,0	41	9	80/59	1 050 2 310
8	70	K	3,20 10,5	5,80 19,0	41	9	80/59	1 230 2 710
12	70	K	4,80 15,7	8,60 28,2	61	13	140/103	1 900 4 190
12	70	P	3,00 9,8	8,60 28,2	61	13	140/103	2 130 4 700
16	70	K	6,90 22,6	11,40 37,4	81	17	160/118	2 370 5 220
16	70	P	3,00 9,8	11,40 37,4	81	17	160/118	2 620 5 780

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ PRIME hoeing element with tine quick adjustment for row distances up to 90 cm / 35" and up to 5 tine configuration
- ✓ Large-dimensioned parallelograms for maximum height adjustment and durability, including main frame quick fixation
- ✓ Parallelogram down pressure adjustable
- ✓ Height adjustable Farmflex depth-control wheels with ball bearing, ø 300 mm / 100 mm
- ✓ Various hoeing tools such as vibro-tine, carbide metal duckfoot sweeps, angle knives, heaping sweeps, etc.

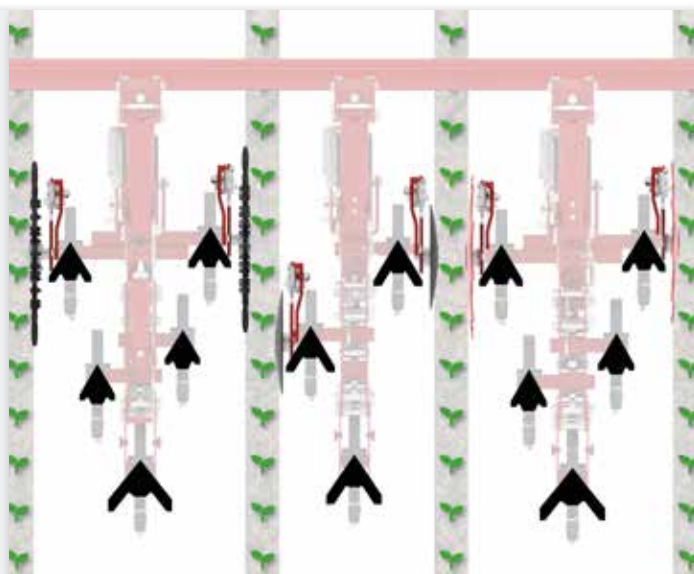
OPTIONS

- » Trailed working tools such as finger weeders, following weeder tines, rotative weeder, hilling discs, etc.
- » Quick-change function for trailed working tools
- » Finger weeder with its own parallelogram, SMART-GRIP or SIMPLE-GRIP quick adjustment, and spring-loaded
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 50 cm / 20" lifting height and simultaneous lifting of the hoeing element and trailed working tools, including neat hose routing
- » Various crop protection elements, can be raised, height adjustable, with quick adjustments and parallelogram-guided (depending on version)
- » VERSO equipment – the cutting disc/angle knife combination
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts

CONCEPT CHOPSTAR-PRIME

CONCEPT

- » e.g. for beet, soybean, field bean, rapeseed, corn, sunflower, sorghum millet,...
- » PRIME equipment: up to 5 tines
- » row distance PRIME: up to 90 cm/35.40"
- » trailing element: trailed weeder tines, rotative weeder, hilling discs or finger weeders
- » shares and tines: Einböck special vibro-tines, ultraflat sweeps, angle knives, heaping sweeps,...
- » protection elements: without, shields or discs



THE "PRIME" QUICK ADJUSTMENT HIGHLIGHTS

- » quick adjustment of the tine carriers - a central clamping mechanism releases and fixes all tine holders at the same time
- » quick adjustment of the protection elements - distance to the tine or plant as well as height can be quickly adapted
- » quick adjustment of the finger weeders SMART-GRIP - adjust both finger weeders by opening just 1 lever at the same time
- » quick adjustment of the trailed weeder tines - adjust width and aggressivity comfortably
- » quick change units of the following working tools - quick change between hilling discs, finger weeders or trailed weeder tines

THE PARALLELOGRAM

The specially wide designed "PRIME" parallelograms come standard with a three-stage adjustable retraction support and durable, height-adjustable Farmflex feeler wheels. The retraction pressure of the "PRIME" - hoeing section is up to 105 kg per hoeing element (depending on equipment, working position and spring tension). These adjustable springs ensure smooth running of the hoeing elements even at high working-speed and secure retraction even in hard and crusted soil.



THE HOEING SECTION

The "PRIME"-hoeing section for a row distance of up to 90 cm/35.40 can be equipped with up to 5 tines. The four front tine carriers are loosened at the same time, so the distance to each other or to the plant row can be quickly adjusted. The hoeing element is placed centrally under the parallelogram. This has the advantage that the tines pull in better in heavily encrusted, hard soils. In comparison to having the element positioned "behind" the parallelogram the leverage effect is reduced and less pressure on the tines is needed to enter the ground. In addition, a three-stage adjustable retention spring guarantees that the hoeing element retracts into the soil and maintains the adjusted working depth.



THE CROP PROTECTION ELEMENTS

The crop protection elements (discs or shields) secure (especially in the early growth stage) the plants from being buried. The "PRIME"-crop protection elements are adjustable in height and can be easily lifted up in case they are not needed. In addition, the distance to the tines, as well as to the plant row can be quickly adapted.

CUTTING DISCS & ANGLE KNIVES FOR CHOPSTAR-PRIME

With cutting discs & angle knives, the CHOPSTAR-PRIME can hoe even closer away from the crop without damaging the plants. For this purpose, a cutting disc & angle knife combination is mounted on the tine carrier. This special equipment saves time by quickly adapting the row-crop cultivator to a wide range of conditions, such as in mulch seeding. The angle knives can be rigid or spring mounted.



TRAILED WORKING TOOLS CHOPSTAR-PRIME

THE FOLLOWING WORKING TOOLS

The holder of the following elements has been perfected, so it is possible to quickly change between different tools. This helps to save a lot of time during the hoeing season to adjust the machine to different crops or growth stages.



THE FINGER WEEDERS WITH "SMART-GRIP"-ADJUSTMENT

The finger weeder are equipped with an additional parallelogram to enable a perfect ground adaptation. In addition, the aggressivity of the finger weeder could be adjusted by a spring. Each pair of finger weeder stars could be set up quickly to the field condition by the "SMART-GRIP"-quick adjustment mechanism.

ADJUSTABLE WEEDER TINES

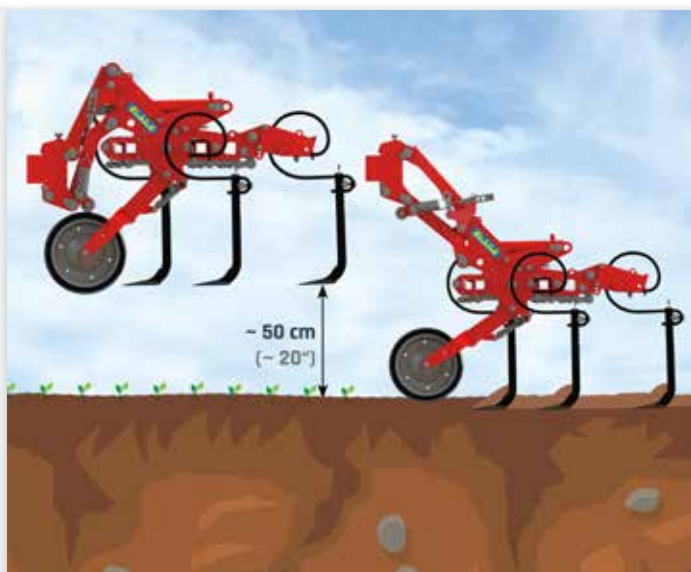
To pull weeds to the surface and ensure they dry out adjustable weeder tines can be mounted to the element. They clean the roots of the weeds from soil and at the same time they level the cultivated area. The outer tines on the element can be positioned to direct the earth flow either to or away from the crop row. Even weeding in the row to control weeds is possible, e.g. operation like a torsion hoe. In addition the following weeder tines ensure good seed-to-soil contact when intercrops are seeded.



SECTION-CONTROL CHOPSTAR-PRIME

HYDRAULIC LIFTING SECTION-CONTROL

The section of the CHOPSTAR-PRIME has a lifting height of up to 50 cm/20" (depending on the machine configuration and soil conditions) and can automatically be controlled by GPS via SECTION-CONTROL, or manually by switches. Lifting the sections ensures no crop is damaged at the headlands when the fields are not square. This option is especially recommended for contractors or farms with a lot of misshaped fields.





PRECISE. INTENSE. DIRECT.

ROW-CROP CULTIVATOR CHOPSTAR-TWIN

The CHOPSTAR-TWIN precision hoe was developed for precise hoeing above the row. The hoeing parallelogram does not work between the rows, but is mounted directly above the row. This allows a very narrow hoeing belt, which makes it possible to hoe young crops very early and narrow at the same time.

This is achieved by two cutting disc adjustable in angle in combination with following angle knives: two Farmflex wheels running close to the crop row ensure an exact working depth of the hoeing elements. The CHOPSTAR-TWIN, in combination with the camera steering system ROW-GUARD, is perfectly suited as a precision hoe for special crops, cereals, soybeans, beets, corn, vegetables, herbs, etc.



For hoeing many arable crops such as corn, beet, soybeans or field beans and special crops (vegetables, herbs,...).



Rows	Row distance in cm	Frame	Transport width		Frame width		Tines	Body	from hp/kW	Weight	
			~ m	~ ft.	~ m	~ ft.				kg	lbs
5	45	S	2,30	7,5	2,00	6,6	10	5	30/22	580	1 280
6	45	S	2,75	9,0	2,45	8,0	12	6	40/30	610	1 340
8	45	K	3,00	9,8	3,35	11,0	16	8	60/44	940	2 070
12	45	K	3,00	9,8	5,15	16,9	24	12	70/51	1 330	2 930
15	45	K	3,20	10,5	6,50	21,3	30	15	90/66	1 730	3 810
18	45	K	4,80	15,7	7,85	25,8	36	18	130/96	2 070	4 560
18	45	P	3,00	9,8	7,85	25,8	36	18	130/96	2 260	4 980
24	45	K	6,70	22,0	10,55	34,6	48	24	160/118	2 650	5 840
24	45	P	3,00	9,8	10,55	34,6	48	24	160/118	2 860	6 310

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ TWIN hoeing element mounted on top of the row with cutting disc/angle knife combination, including SMART-GRIP quick adjustment for row distances from 35 cm / 14"
- ✓ Large, readjustable parallelograms for maximum height adaption and durability, including main frame quick fixation
- ✓ Parallelogram down pressure adjustable
- ✓ Height adjustable double Farmflex depth-control wheels, ball-bearing mounted, ø 300 mm / 65 mm

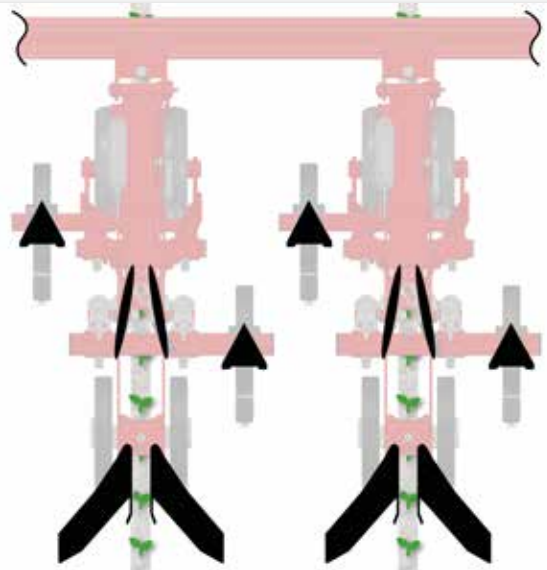
OPTIONS

- » Trailed working tools such as finger weeders, following weeder tines, rotative weeder, hilling discs, etc.
- » Quick-change function for trailed working tools
- » Finger weeder with its own parallelogram, SMART-GRIP quick adjustment, and spring-loaded
- » Bypass tines for working the space between rows
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 35 cm / 14" lifting height and simultaneous lifting of the hoeing element and trailed working tools, including neat hose routing
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts

CONCEPT CHOPSTAR-TWIN

CONCEPT

- » Precision row-crop cultivator for hoeing over the row
- » Narrow hoeing belt with unworked area less than 5 cm / 2"
- » E.g. for corn, soybeans, field beans, beets, ...
- » Row spacing: up to 75 cm / 29.50"
- » Equipped with 2 cutting discs and up to 4 tines (2 angle knives and up to 2 bypass-tines)
- » Following elements: weeder tines, rotative weeder or finger weeder

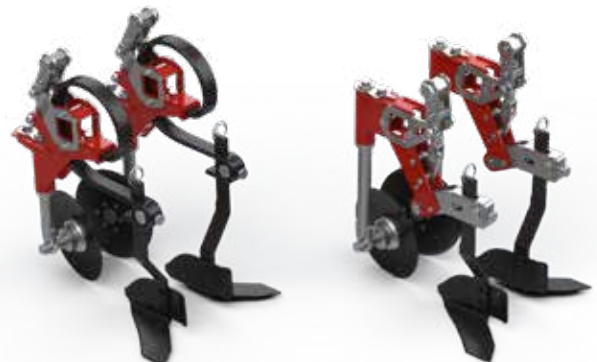


TWIN-HOEING ELEMENT WITH VERTICAL CUTTING DISCS AND ANGLE KNIVES

The hoeing section is guided by two Farmflex-support wheels left and right of the row. It is equipped with two vertical cutting discs, which are followed by two angle knives. They are mounted on vibro-springs, so it is possible to work very closely and shallow to the crop. The result is that young crops can be hoed earlier, closer to the crop and with higher working speed than with standard row-crop cultivators without burying plants. In ideal conditions a hoeing belt of less than 5 cm / 2" can be realized.

SMART-GRIP QUICK ADJUSTMENT FOR CHOPSTAR-TWIN

In order to enable the cutting discs and angle knives of the "TWIN" hoeing section to be adapted to different crops quickly, they come as a standard feature with the SMART-GRIP quick adjustment system. This saves time by quickly adapting the row-crop cultivator to a wide range of conditions while maintaining the best possible grip. The angle knives can be rigid or spring mounted.



WEED CONTROL OVER THE FULL SURFACE

The earlier and the closer to the row hoeing can take place, the easier the weed control in the row can be done (e.g. by finger weeders or rotative weeder elements). This ensures reduced weed pressure and supports a good establishment of the crop.



HOEING IN MULCH AND NO-TILL CROPS

The cutting discs in front of the angle knives allow to operate the machine in mulch or no-till, but also strip-till crops. The organic matter is cut close to the plant row what brings precise and quick hoeing without clogging.





STRONG. RESISTANT. INVINCIBLE.

ROW-CROP CULTIVATOR CHOPSTAR-TITAN

The CHOPSTAR-TITAN high-residue row-crop cultivator can be used with row distances of 45 to 80 cm / 18-32", e.g. in soybean, corn, or sunflowers. It was designed for professional hoeing in organic material such as mulch seeding or strip till. Its centerpiece is a large sweep with a pre-running vertical cutting disc. The TITAN also impresses with its robustness and aggressiveness, making it the expert choice for difficult operating conditions.

Depending on the conditions of use and the objective of the hoeing pass, a wide range of tools can be attached to the TITAN, such as camera steering system, parallelogram lift, following weeder tines, finger weeders, rotative weeders, protection elements, and a wide variety of tines, sweeps, knives, etc."



Rows	Row distance in cm	Frame	Transport width ~ m ~ ft.		Frame width ~ m ~ ft.		Tines	Body	from hp/kW	Weight kg lbs	
6	50	S	3,20	10,5	3,20	10,5	7	7	60/44	680	1 500
4	75	S	3,20	10,5	3,20	10,5	5	5	60/44	570	1 260
8	50	K	3,00	9,8	4,20	13,8	9	9	90/66	1 060	2 340
6	75	K	3,00	9,8	4,70	15,4	7	7	90/66	950	2 090
12	50	K	3,00	9,8	6,20	20,3	13	13	130/96	1 350	2 980
8	75	K	3,00	9,8	6,20	20,3	9	9	130/96	1 120	2 470

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ TITAN hoeing element with centered TITAN hoeing sweep, adjustable in the angle for row distances up to 80 cm / 32" and/or up to 3-tine configuration
- ✓ Large-dimensioned parallelograms for maximum height adjustment and durability, including main frame quick fixation
- ✓ Height adjustable double Farmflex depth-control wheels, ball-bearing mounted
- ✓ Parallelogram down pressure adjustable
- ✓ Various hoeing tools such as vibro-tine, carbide metal duckfoot sweeps, angle knives, heaping sweeps, etc.

OPTIONS

- » VERSO equipment – the cutting disc/angle knife combination
- » Vertical cutting disc centered in front of the middle TITAN sweep for precutting through organic material
- » Trailed working tools such as finger weeders, following weeder tines, rotative weeder, hilling discs, etc.
- » Quick-change function for trailed working tools
- » Finger weeder with its own parallelogram, SMART-GRIP or SIMPLE-GRIP quick adjustment, and spring-loaded
- » Various crop protection elements, can be raised, height adjustable, with quick adjustments and parallelogram-guided (depending on version)
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 35 cm / 14" lifting height and simultaneous lifting of the hoeing element and trailed working tools, including neat hose routing
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts



www.einboeck.at/en/titan

CONCEPT CHOPSTAR-TITAN

CONFIGURATION OPTION 1:

1: Vertical cutting discs between the double depth-control wheels

- » For cutting/opening the soil
- » Residues are shredded
- » Soil is opened

2: Rigid, flat duckfoot sweep

- » For flat hoeing with little soil movement
- » Undercutting of residues or catch crops
- » Residues remain on top to protect the soil

3: Precise hoeing next to the crop with cutting discs & angle knives (system VERSO)



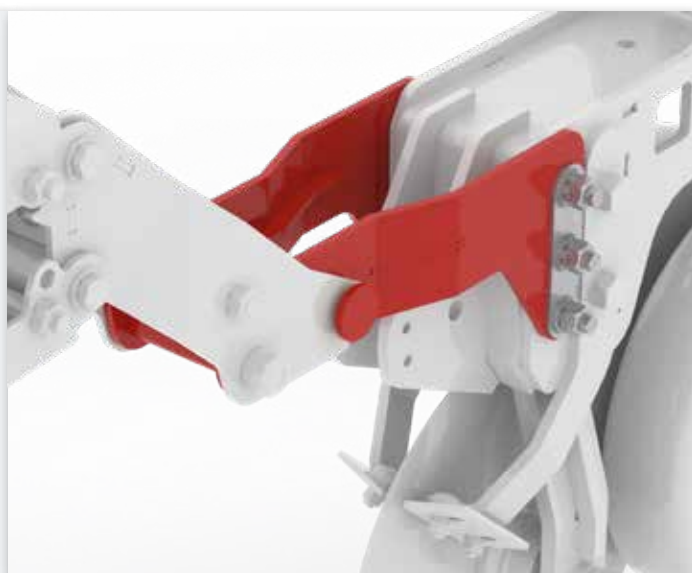
CONFIGURATION OPTION 2:

- » 3 wide vibro-tines
- » Crop protection elements



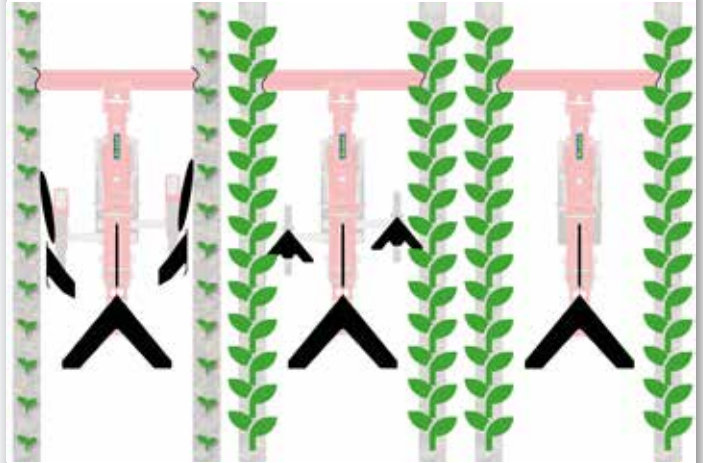
FOLLOWING WORKING TOOLS

It is possible to switch quickly between different following working tools, which saves a lot of time during the hoeing season when there are many different crops and growth stages.



PRECISE HOEING & CLEAN CUTTING

The CHOPSTAR-TITAN is designed for extremely precise hoeing, clean cutting, and ultra-flat working in organic material. It shows its advantages in challenging conditions such as mulch seeding or strip till.





FOCUSED. NARROW. SHALLOW.

GRAIN ROW-CROP CULTIVATOR CHOPSTAR-MINI

The CHOPSTAR-MINI (formerly CHOPSTAR 1-30 / EGS) has 1 tine per hoeing element and can be used in row-crops with a row spacing of up to 35 cm / 14", e.g. cereals, field beans, lupins, etc. Depending on the conditions and the aim of the hoeing pass, weeder tines mounted behind the element or different sweeps (such as ultra-flat) can be mounted on the front or rear hoeing machine.

The precision of the CHOPSTAR-MINI can be further optimized with the camera steering and the ROW-GUARD sideshift frame, the SECTION-CONTROL parallelogram lift and other additional options.



Rows	Row distance in cm	Frame	Transport width		Frame width		Tines	Body	from hp/kW	Weight	
			~ m	~ ft.	~ m	~ ft.				kg	lbs
12	25	S	3,20	10,5	3,20	10,5	13	13	40/30	700	1 540
16	25	K	3,00	9,8	4,20	13,8	17	17	70/51	1 200	2 650
24	25	K	3,00	9,8	6,20	20,3	25	25	80/59	1 560	3 440
32	25	K	3,30	10,8	8,20	26,9	33	33	90/66	2 120	4 670

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ MINI hoeing element for row distances up to 35 cm / 14" and 1-tine configuration
- ✓ Large, readjustable parallelograms for maximum height adaption and durability, including main frame quick fixation
- ✓ Parallelogram down pressure adjustable
- ✓ Height adjustable Farmflex depth-control wheels with ball bearing, ø 300 mm / 100 mm
- ✓ Various hoeing tools such as vibro-tine, carbide metal duckfoot sweeps, angle knives, heaping sweeps, etc.

OPTIONS

- » Following weeder tines
- » Various crop protection elements, can be raised, height adjustable, with quick adjustments and parallelogram-guided (depending on version)
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 35 cm / 14" lifting height, including neat hose routing
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts



For hoeing grain, peas, lupine, etc.

CONCEPT CHOPSTAR-MINI

CONCEPT

- » E.g. for grain, peas, rapeseed, lupines, ...
- » Equipped with 1 vibrotine
- » Row spacing: up to 30 cm / 11.80"
- » Following elements: weeder tines
- » Sweeps and tines: duckfoot sweeps, EINBÖCK-special-vibrotines, ultraflat sweeps
- » Protection elements: without protection element, crop deflector shields or discs



INDIVIDUAL EQUIPMENT OF HOEING ELEMENTS

The row-crop cultivator with 1 tine per hoeing section is designed for hoeing of fields with a row distance of up to 30 cm / 11.80". This version is e.g. for grain, peas, rape or lupines. Furthermore you can use deflector elements to protect the plants from spilling (especially in early crop stage). Deflector plates are optionally available from a row distance of 25 cm / 9.80". From 30 cm / 11.80" you can also use deflector discs. The different tracking tools and sweep options can be found further back in the brochure. The big range of different hoeing tools make the CHOPSTAR to a row-crop cultivator, which can be adapted to every condition, crop or type of soil.







WIDE. CLEAR. FIRM.

FRONT ROW-CROP CULTIVATOR CHOPSTAR-FRONT

The CHOPSTAR-FRONT front row-crop cultivator can be used with row distances of 45 to 150 cm, e.g. in soybean, corn, pumpkin, or sunflower. Depending on the row distance, 3, 5, or up to 10 sweeps are installed. The pushed front row-crop cultivator can be equipped with additional working tools such as finger weeders, following weeder tines, crop protection elements, or hilling tools. A track indicator assists the driver for optimum visibility.



For hoeing corn, soybean, pumpkins, etc. at the front—designed for the narrowest tractor cultivation!



Rows	Row distance in cm	Frame	Transport width		Frame width		Tines	Body	from hp/kW	Weight	
			~ m	~ ft.	~ m	~ ft.				kg	lbs
2	150	S	3,00	9,8	3,20	10,5	20	3	40/30	440	970
3	150	K	3,00	9,8	4,70	15,4	30	4	60/44	900	1 980
3	45	S	1,60	5,2	1,55	5,1	10	4	30/22	335	740
4	45	S	2,00	6,6	2,00	6,6	13	5	30/22	400	880
6	45	S	3,00	9,8	2,90	9,5	19	7	40/30	530	1 170
8	45	K	3,00	9,8	3,80	12,5	25	9	60/44	830	1 830
12	45	K	3,00	9,8	5,60	18,4	37	13	70/51	1 160	2 560
2	70	S	1,60	5,2	1,60	5,2	11	3	20/15	340	750
4	70	S	3,00	9,8	3,00	9,8	21	5	40/30	430	950
4	70	K	3,00	9,8	3,00	9,8	21	5	50/37	570	1 260
6	70	S	4,40	14,4	4,40	14,4	31	7	60/44	560	1 230
6	70	K	3,00	9,8	4,40	14,4	31	7	60/44	860	1 900
7	70	K	3,00	9,8	5,10	16,7	36	8	70/51	940	2 070
8	70	K	3,20	10,5	5,80	19,0	41	9	80/59	1 020	2 250

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ FRONT hoeing element for row distances from 45 cm / 18 up to 150 cm / 60" and 3 or 5/10-tine configuration
- ✓ Large, readjustable parallelograms for maximum height adaption and durability, including main frame quick fixation
- ✓ Parallelogram down pressure adjustable
- ✓ Height adjustable Farmflex depth-control wheels with ball bearing, ø 300 mm / 100 mm
- ✓ Various hoeing tools such as vibro-tine, carbide metal duckfoot sweeps, angle knives, heaping sweeps, etc.

OPTIONS

- » Trailed working tools such as finger weeders, following weeder tines, rotative weeder, hilling discs, etc.
- » Various crop protection elements, can be raised, height adjustable, with quick adjustments and parallelogram-guided (depending on version)
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts

CONCEPT CHOPSTAR-FRONT

CONFIGURATION FOR 45 & 50 CM / 18-22" ROW DISTANCE

- » e.g. for beets, soy, rapeseed, etc.
- » Equipment: up to 3 tines
- » Trailed working tools: weeder tines & finger weeders
- » Shares and tines: Einböck special vibro-tines, ultraflat sweeps, angle knives, heaping sweeps,...
- » Protection elements: without, shields or discs



CONFIGURATION FOR 70-90 CM / 27-35" ROW DISTANCE

- » e.g. for corn, sunflower, etc.
- » Equipment: up to 5 tines
- » Trailed working tools: weeder tines & finger weeders
- » Shares and tines: Einböck special vibro-tines, ultraflat sweeps, angle knives, heaping sweeps,...
- » Protection elements: without, shields or discs



CONFIGURATION FOR 100-150 CM / 40-60" ROW DISTANCE

- » e.g. for pumpkins, etc.
- » Equipment: up to 10 tines
- » Trailed working tools: weeder tines & finger weeders
- » Shares and tines: Einböck special vibro-tines, ultraflat sweeps, angle knives, heaping sweeps,...
- » Protection elements: without, shields or discs



TRACK INDICATOR

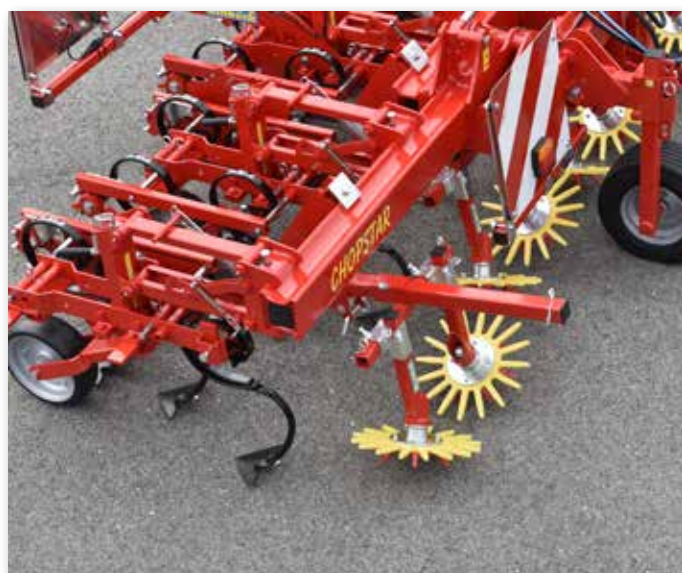
For easier and cleaner hoeing as well as optimum visibility to the front, a practical track indicator assists the driver (standard equipment).



PUSHED SECTIONS ON FRONT MOUNTED MACHINE

The front-mounted row-crop cultivator can be used without an extra front mounting support as the elements are strong enough to be operated in pushed position. This results that the row-crop cultivator is mounted very closely to the tractor, which has following advantages:

- » Less side pull when working in hills
- » More exact adaption of each separate element because the Farmflex-wheels are running in front of the element
- » Reduced weight to reduce soil compaction
- » Short distance between cultivator and front axle, therefore higher precision in steering
- » Advantage when driving curves during operation, as well as road transport
- » Better visual control during operation and also road transport





TWISTING. ENERGETIC. STEEP.

ROTATIVE ROW-CROP CULTIVATOR CHOPSTAR-ROLL

The CHOPSTAR-ROLL (formerly ROLLSTAR / EMR) has star-shaped discs and can be used in row-crops such as potatoes, corn, vegetables, etc. Depending on the hoeing width, the machine is equipped with up to 5 hoeing stars. In combination with a hill weeder, the CHOPSTAR-ROLL is also perfect as a hoe for hill crops.



Rotative hoeing in corn and potato!



Rows	Row distance in cm	Frame	Transport width ~ m ~ ft.		Frame width ~ m ~ ft.		Tines	Body	from hp/kW	Weight kg lbs	
Corn version											
2	70	S	1,90	6,2	1,60	5,2	3	3	20/15	550	1 210
4	70	S	3,30	10,8	3,00	9,8	5	5	40/30	820	1 810
4	70	K	3,00	9,8	3,00	9,8	5	5	50/37	1 190	2 620
6	70	S	4,70	15,4	4,40	14,4	7	7	60/44	920	2 030
6	70	K	3,00	9,8	4,40	14,4	7	7	60/44	1 180	2 600
8	70	K	3,20	10,5	5,80	19,0	9	9	80/59	1 450	3 200
Potatoe version											
2	70	S	1,80	5,9	1,60	5,2	3	3	20/15	520	1 150
4	70	S	3,20	10,5	3,00	9,8	5	5	40/30	750	1 650
4	70	K	3,00	9,8	3,00	9,8	5	5	50/37	1 010	2 230
6	70	S	4,70	15,4	4,40	14,4	7	7	60/44	800	1 760
6	70	K	3,00	9,8	4,40	14,4	7	7	60/44	1 060	2 340
8	70	K	3,20	10,5	5,80	19,0	9	9	80/59	1 450	3 200
12	70	P	3,20	10,5	8,60	28,2	13	13	140/103	2 000	4 410

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ ROLL hoeing element with 4+4 rotative stars and two pre-loosening tines for standard crops such as corn, soybean, etc. and row distances up to 80 cm / 32"
- ✓ ROLL hoeing element with 2+2 rotative stars and one pre-loosening tine for hill crops such as potato, carrots, etc. and row distances up to 80 cm / 32"
- ✓ Wear-resistant special rotative stars mounted on angular bearings, individually removable
- ✓ Parallelogram down pressure adjustable
- ✓ Large, readjustable parallelograms for maximum height adaption and durability, including main frame quick fixation
- ✓ Height adjustable Farmflex depth-control wheels with ball bearing, ø 300 mm / 100 mm

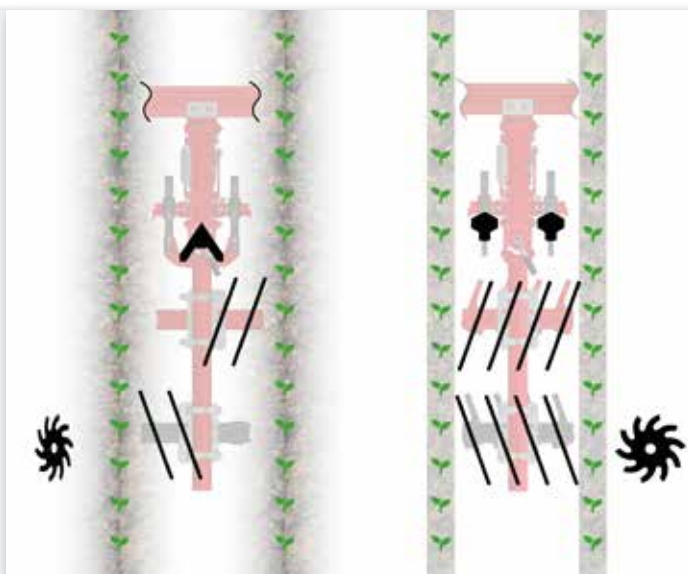
OPTIONS

- » Trailed working tools such as finger weeders, following weeder tines, rotative weeder, hilling discs, etc.
- » Hill- & crop weeder
- » Various crop protection elements, can be raised, height adjustable, with quick adjustments and parallelogram-guided (depending on version)
- » Reinforced bearings for large farms and machine cooperatives
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 35 cm / 14" lifting height, including neat hose routing
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts

CONCEPT CHOPSTAR-ROLL

CONCEPT

- » Hoeing for row spacing up to 80 cm / 32" with roll-stars (rear-mount)
- » E.g. for corn, potatoes, soybeans, field beans, beets,...
- » Aggressive hoeing and crust breaking without clogging in fields with organic matter
- » Corn-version: 8 stars (per row) and 2 S-tines
- » Potatoe-version: 4 stars (per row) and 1 vibro-tine



HOEING WITH ROLL-STARS

To ensure hoeing without clogging, even in aggressive operation, the row cultivator can be equipped with CHOPSTAR-ROLL-hoeing sections. It is developed for hoeing of hill crops, but it also can be used for field crops, if the row distance is wider than 45 cm / 18". Optional protection shields are responsible to protect the plants from spilling (especially in early crop stage). To break up the soil and to guarantee the stars can enter the soil easily, there are S-tines at the corn-version and vibro-tines at the potato-version of the ROLLSTAR element. Depending on the crop there are different setups of the hoeing-elements available:

1. Field crops: corn, sunflowers, beets, soybeans, ...
2. Hill crops: potatoes, ...

WEAR-RESISTANT HOEING STARS

Because of the perfect choice of the material, the hoeing stars are extremely wear-resistant and they can stand many years of operation.



BEARING MOUNTED AND INDIVIDUALLY REMOVABLE

Each hoe star is equipped with an angular roller bearing (this increases the stability) and it is adjustable and individually removable.





PROACTIVE. INITIATIVE. TALENTED.

RIDGER CHOPSTAR-HILL

The CHOPSTAR-HILL (formerly HILLSTAR / EHG) is a ridger for hill-crops with large, concave discs. These machines are used to push soil up in hill-crops. A pre-loosening tine breaks up the soil and the inclined discs transport the earth, pulled down by erosion, up the hill again. So a perfect maintenance of the hill-crops (e.g. potatoes) can be reached.

Due to the large smooth discs no hair roots of the crop close to the surface are harmed. The discs have high quality, maintenance free bearings and can be ideally adjusted in the angle. The optional guided hill-weeder (3 sections) additionally fights weeds.



Rows	Row distance in cm	Frame	Transport width		Frame width		Tines	Body	from hp/kW	Weight	
			~ m	~ ft.	~ m	~ ft.				kg	lbs
2	70	S	1,65	5,4	1,60	5,2	3	3	20/15	360	790
4	70	S	3,05	10,0	3,00	9,8	5	5	40/30	600	1 320
4	70	K	2,80	9,2	3,00	9,8	5	5	50/37	720	1 590
6	70	S	4,40	14,4	4,40	14,4	7	7	60/44	850	1 870
6	70	K	3,00	9,8	4,40	14,4	7	7	60/44	980	2 160
8	70	S	5,80	19,0	5,80	19,0	9	9	80/59	1 040	2 290
8	70	K	3,20	10,5	5,80	19,0	9	9	80/59	1 350	2 980
12	70	K	4,80	15,7	8,60	28,2	13	13	120/88	1 580	3 480
12	70	P	3,20	10,5	8,60	28,2	13	13	140/103	2 100	4 630

S = rigid | K = foldable | P = double folding frame

Einböck CHOPSTAR row-crop cultivators are individually configured using a flexible hoeing technology modular system. Therefore there is no fixed standard equipment - each machine is perfectly tailored to the user's requirements.

STANDARD EQUIPMENT

- ✓ Robust, durable & special profile-tube frame with high frame clearance (rigid, single-fold or with double folding frame)
- ✓ Various tractor attachments, e.g., via the ROW-GUARD sideshift frame, Cat. 2, Cat. 3, or with upper link steering
- ✓ HILL hoeing element with 2 height- and angle-adjustable hilling discs and a pre-loosening tine for hill crops such as potato, carrots, etc., and row distances of up to 75 cm / 30"
- ✓ Parallelogram down pressure adjustable
- ✓ Large, readjustable parallelograms for maximum height adaption and durability, including main frame quick fixation
- ✓ Height adjustable Farmflex depth-control wheels with ball bearing, ø 300 mm / 100 mm

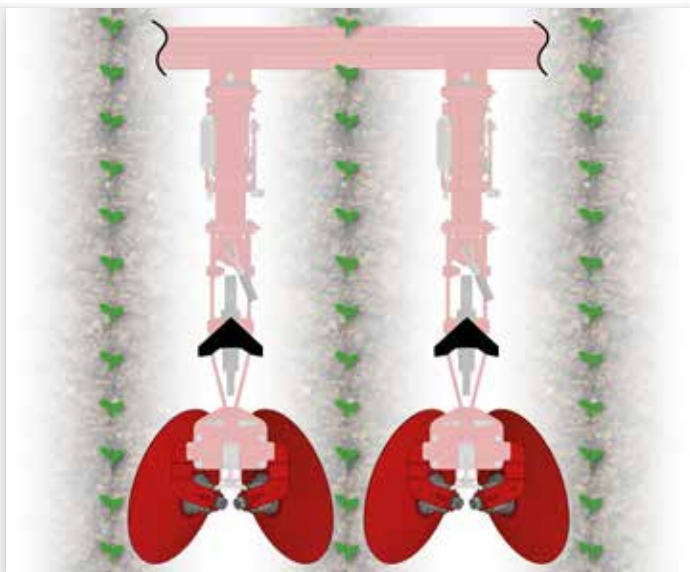
OPTIONS

- » Hill- & crop weeder
- » Hydraulic parallelogram lifting SECTION-CONTROL with up to 35 cm / 14" lifting height, including neat hose routing
- » Camera sideshift frame ROW-GUARD
- » P-BOX seeding box, JUMBO-SEED front tank
- » JUMBO-STREAM liquid front tank
- » Warning signs with holder and LED lights
- » Many other special configurations and custom-made tools/parts

CONCEPT CHOPSTAR-HILL

CONCEPT

- » Heaping element for hill-crops
- » E.g. for potatoes, ...
- » Row spacing: hill-crops up to 80 cm / 32"
- » Equipped with 1 S-tine and two discs



ADJUSTABLE HILLING DISCS

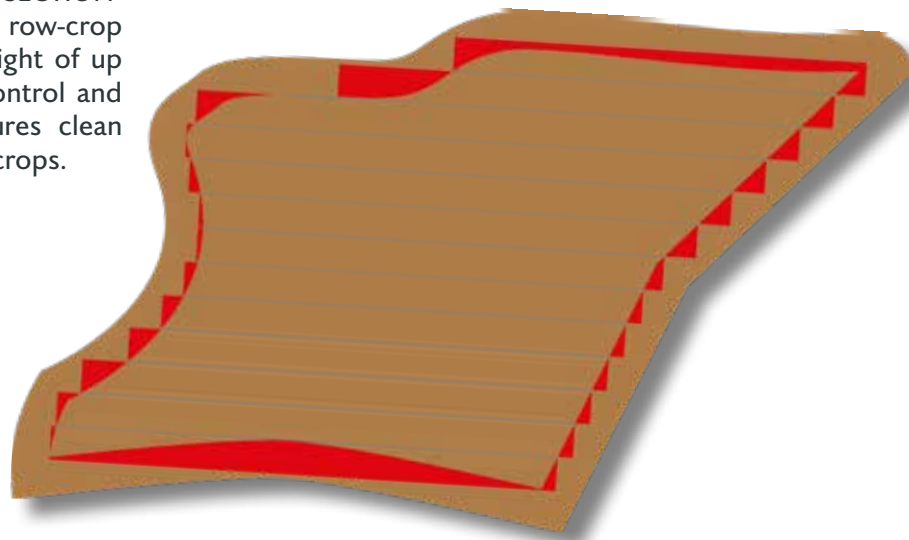
The hoe section of the CHOPSTAR-HILL is equipped with big, concave discs so the soil can be pushed up in hill crops. For different hill shapes the discs can be adjusted in angle and height. The S-tine with duckfoot-sweep breaks the soil in front of the disc to get enough loose soil for maintaining the hills.





SECTION-CONTROL FOR ROW-CROP CULTIVATORS

The hydraulic parallelogram lifting system SECTION-CONTROL for hoeing elements of a row-crop cultivator enables an impressive lifting height of up to 50 cm / 20". Thanks to precise GPS control and convenient handling via ISOBUS, it ensures clean work at the headland without hoeing out crops.



STANDARD PARALLELOGRAM LIFTING SECTION-CONTROL

for standard parallelogram

The hydraulic parallelogram lifting system can achieve a lifting height of up to 35 cm / 14", depending on the machine configuration. It is GPS-controlled and operated via ISOBUS. Even in irregularly shaped fields, it ensures that no cultivated crops are pulled out at the headland. This optional tool for row-crop cultivators is an extremely useful addition, especially for contractors or for farms with numerous small and irregularly shaped fields.



PREMIUM PARALLELOGRAM LIFTING SECTION-CONTROL

for PRIME parallelogram

The hydraulic premium parallelogram lifting system for professionals and contractors can achieve a lifting height of up to 50 cm / 20", depending on the machine configuration. With this SECTION-CONTROL model, the trailed working tools attached to the premium hoeing element, such as finger weeder, following weeder tines or ridging tools, are lifted simultaneously.





FINGER WEEDERS & ROTATIVE WEEDER

PREMIUM FINGER WEEDERS

Mounted on the hoeing element

The premium finger weeders are equipped with an additional parallelogram to enable perfect soil adaptation. In addition, the aggressiveness of the finger weeders can be quickly adjusted with a spring. The "SMART-GRIP" quick adjustment allows a pair of finger weeders to be quickly adjusted to the respective crop at the same time.



STANDARD FINGER WEEDERS

Mounted on the hoeing element

The standard finger weeders with "SIMPLE-GRIP" quick adjustment are equipped with an additional parallelogram to enable perfect soil adaptation. In addition, the aggressiveness of the finger weeders can be quickly adjusted with a spring.

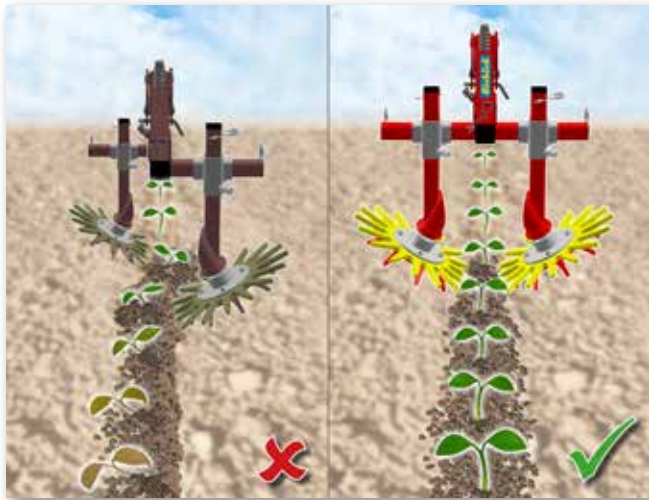


CLASSIC FINGER WEEDERS

Mounted on the main frame

The classic finger weeders are arranged parallel to each other. A spring-loaded holder mounted on the main frame ensures optimal and 100% penetration. This means that the finger weeders work perfectly even on crusted or uneven ground. Depending on the configuration, different finger weeder holders are used. Finger weeders are also available for the front-mounted version.





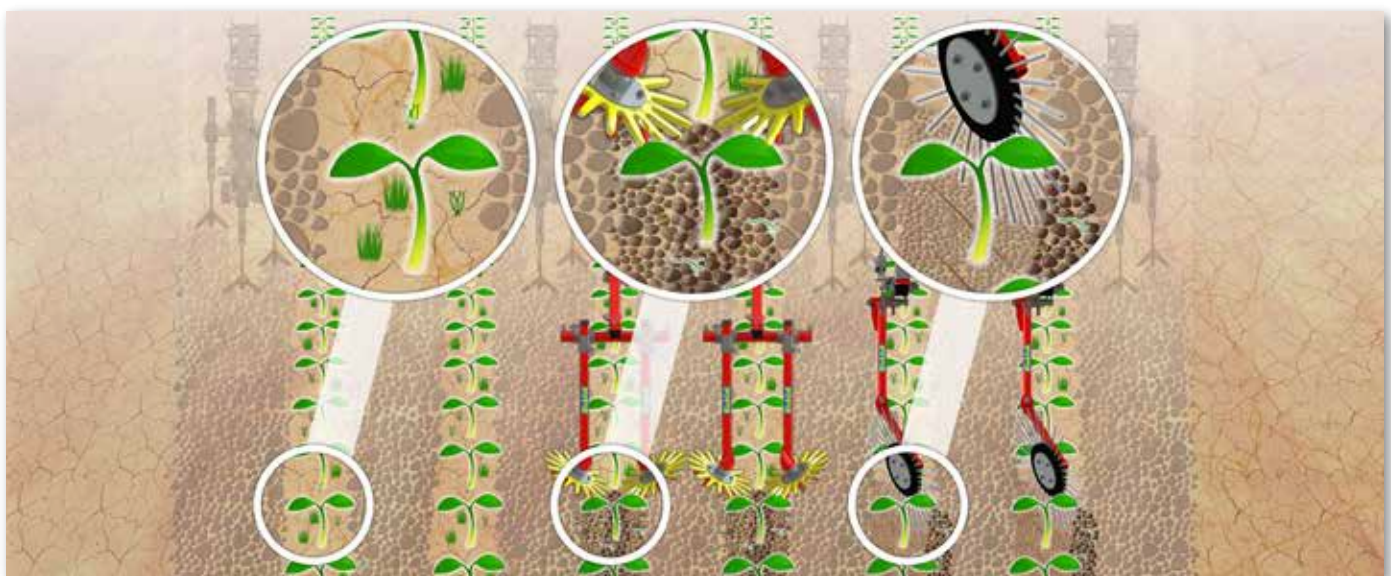
Finger weeders must be guided in parallel arrangement



The aggressivity needs to be adjustable

EFFICIENT WEED CONTROL AND FLEXIBILITY

Similar to the finger weeders, the trailed rotative weeders cultivate the unhoed area in the row. Independently driven stars “comb” weeds out of the plant row. The trailed rotative weeder is used primarily for mulch seeding and organic material, as it can work more clog-free than finger weeders. It can also be set to be more aggressive. The holder on which the trailed rotative weeder is mounted is identical to that of the finger weeder. This means that both equipment variants can be combined quickly and easily. The trailed rotative weeder is also available as a premium version, mounted on the hoeing element.



TINES, SHARES & KNIVES

EINBÖCK SPECIAL VIBRO-TINES WITH DUCKFOOT SWEEPS

Vibro-tine 40x12 | holder 35x11 | 80 mm to 300 mm / 3.15" to 11.81" wide

The Einböck special vibro-tines ensure safe penetration, high stability and consistent precision, especially in crusted and medium to heavy soils or in stony areas. All holders have a grid for easier depth adjustment. The holders are rounded at the front for an even better grip. The wear-resistant duckfoot sweeps are mounted with a single bolt, what ensures a safe fixing, but they still can be replaced quickly. Einböck recommends its special vibro-tines, which are installed ex works on most row-crop cultivators.



STANDARD VIBRO-TINES WITH DUCKFOOT SWEEPS

Vibro-tine 32x12 | holder 30x10 | 80 mm to 300 mm / 3.15" to 11.81" wide

The standard vibro-tines are used primarily in light to middle soils and ensure full-surface, ultra-shallow and safe cutting of weeds. All holders have a grid for easier depth adjustment. The holders are rounded at the front for an even better grip. The duckfoot sweeps are bolted, which ensures a secure and firm hold, while still allowing them to be quickly replaced.



EINBÖCK-SPECIAL-ULTRAFLAT DUCKFOOT SWEEPS

for vibro-tine 32x10 or 40x12 | holder 30x10 | 80 mm to 600 mm / 3.15" to 23.62" wide

Extra-flat and hardened Einböck special duckfoot sweeps are available to enable the cleanest and most ultra-flat cut possible with the least possible earth movement. Like all Einböck holders, this one also has a grid for easier adjustment of the working depth and a rounded front. For even less soil movement, the holders are also ground at the front and welded to the sweep. This special ultraflat sweep is particularly recommended for higher speeds, in vegetables or grain, or for crops that are still small and sensitive to being buried.



S-TINES

with 100 mm / 3.94" or 180 mm / 7.09" duckfoot sweeps

S-tines with duckfoot sweeps bolted on from behind can be configured for deeper work (e.g. when incorporating fertilizer or slurry), for hoeing in medium to heavy soils, and for even better hilling.



CARBIDE METAL DUCKFOOT SWEEPS

for S-tine, standard and special vibro-tines

- » Service life is significantly increased - especially in soil conditions with above-average wear
- » Time saving due to not having to change sweeps
- » Sweeps stay in their usual shape longer, thereby an exact cut and a good feed even in dry soil is achieved
- » Less traction is required due to sharp sweep tips
- » Especially recommended for contractors or big farms.

The bolting is the same as for the standard sweeps. Carbide metal tips or carbide metal plates are soldered to the special duckfoot sweep base bodies and then coated. The special Einböck carbide metal duckfoot sweeps are 100% compatible and adapted to all Einböck tines and holder variants - no tolerances and compromises in fitting accuracy.



ANGLE KNIVES

for vibro-tine 40x12 | holder 35x11 | 120, 160, 200 mm / 4.72", 6.3", 7.87"

Straight (1) or offset angle (2) knives are available on request. They are cutting the soil near the crop row and guide the earth flow away from the crops. This way, weeds are cut as close to the row as possible, but the risk of them being buried is minimized. The unhoed area can then be worked very well by rear tools such as finger weeder or rotative weeder. To ensure that the angle knives work even cleaner and safer, cutting discs can be mounted before.



HEAPING ELEMENTS

HEAPING SHARES

Spring-loaded heaping shares for vibro-tines and S-tines improve the heaping result. This is how the soil close to the row is heaped up more efficiently during a late hoeing pass (e.g. the last pass for corn or sunflowers). That way the plant and the roots are strengthened and even weeds in the row are buried.



HILLING ELEMENT

This hilling element can be mounted instead of the rear tine for aggressive hilling to maintain potato hills or other hill crops.

HILLING DISCS

For some crops precise and effective hilling is necessary. This is possible with these hilling discs which can be very precisely adjusted. They cannot be combined with following weeder tines, rotative weeder elements or finger weeders.



SIMPLE MOUNTING OF A SEEDING BOX

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

Pneumatic seeder P-BOX-STI

- » Precise, electrically controlled, metering and dosing via operating monitor
- » 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.



Underseeding fixes nutrients, improves soil structure, builds up humus, protects against erosion, suppresses weeds and increases above- and below-ground biodiversity in the field.



PNEUMATIC FRONT TANK JUMBO-SEED

The combination of the pneumatic front tank JUMBO-SEED with a rear mounted machine such as the row-crop cultivator CHOPSTAR or tined weeder AEROSTAR ensures ideal distribution of weight, therefore reduces ground pressure and saves time. The metering is carried out via up to 4 seeding units, which can be closed by sliders as required. This allows the front tank to be individually adapted to the required number of distribution plates or rows or to the working width of the rear unit.

The powerful hydraulic fan distributes fertilizer or seeds (such as grain, beans, rape, grass seed, catch crops, clovers, mixtures, etc.) to the rear of the tractor to the distribution heads, where they are split to the required number of outlets (depending on number of rows or working width). The seeding rate is controlled from the tractor via the STI control system and ensures a precise, uniform distribution.

Pneumatic front tank JUMBO-SEED

- » Effective fertilizing or seeding
- » Can be combined with various different rear implements
- » Saves work steps & reduces soil compaction
- » Four seeding units
- » Perfect weight distribution



FRONT TANK JUMBO-STREAM

As much as necessary, as little as possible: that is the goal of modern "fusion farming". With the JUMBO-STREAM front tank for liquids, we now offer further solutions for combined weed control. In combination with the proven CHOPSTAR row-crop cultivators, the new front tank enables efficient mechanical weed control, as well as simultaneous band spraying or fertilizing.

Accuracy of fit and 100% compatibility: When setting up and adapting the front tank to a wide variety of row-crop cultivators, we can count on our decades of experience as a hoeing technology specialist. Each JUMBO-STREAM front tank is individually adapted to the row-crop cultivator and configured accordingly, guaranteeing complete compatibility and operational reliability. The combination of JUMBO-STREAM and CHOPSTAR row-crop cultivator with the ROW-GUARD camera steering system results in a powerful and effective solution for weed control in row crops.

JUMBO-STREAM product features

- » Front tank with 1100 l
- » Hydraulic pump
- » Intuitive ISOBUS handling
- » Optional: SECTION-CONTROL single row control via ISOBUS and GPS
- » Parking wheels for easy movement
- » Cleaning the hoses with clear water directly from the tractor cab
- » Level is measured electronically
- » Optimized filling and cleaning of the tubes
- » 2 x 65 l clean water tank for cleaning of tank and pumps, with rotation nozzle for internal cleaning of the tank, hand wash tank



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 & reseeding of grassland:** We show detailed instructions on maintenance and reseeding 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."

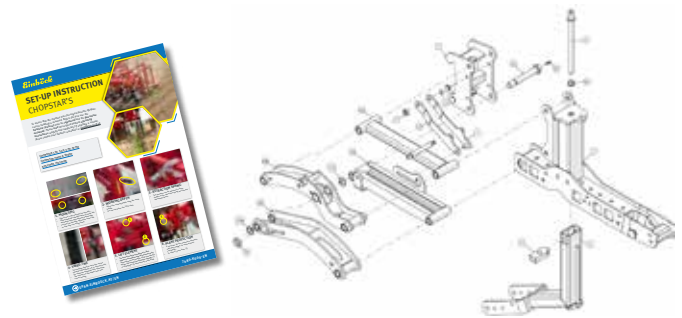


FROM THE FIELD, FOR THE FIELD!

- » 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



WWW.EINBOECK.EU

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



WEEDING TECHNOLOGY

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



ROTARY HOE ROTARystAR

- » Break crusts
- » Regulate weeds
- » Aerate soil

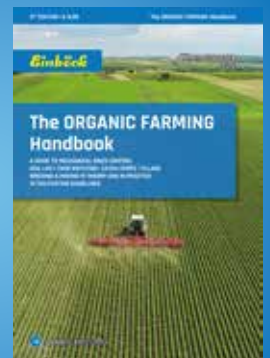
TILLAGE

- » Seedbed cultivator
VIBROSTAR
- » Blade cultivator
TAIFUN
- » Flat cultivator
RAZOR
- » Universal cultivator
HURRICANE



ORGANIC FARMING

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



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