



ROTARY HARROWS



SURFACE LOOSENING AND AERATION OF THE SOIL
DESTRUCTION OF FILAMENTOUS SHOOTS OF WEEDS

MAIN APPLICATION:

- The HF Agro rotary harrows allow to perform a number of different tasks for professional tillage.
- HF Agro rotary harrow is designed for post-emergence harrowing of field crops - grain, tilled, technical.
- Harrows can be used for cultivation of row spacings of corn and sunflower, seed crops with a row spacing of up to 70 cm.



MAIN ADVANTAGES:

- The unit effectively and evenly loosens the soil without damaging the plants, while destroying the weeds. Loosening promotes an even distribution of oxygen and moisture in the soil, thus strengthening and enhancing plant growth and increasing drought tolerance.
- The tool is well suited for both continuous and inter-row cultivation, has a high frame passage, which allows to process the soil, even with an already sprouted plant.
- The HF Agro rotary harrow is used on all soils and provides a high quality of processing.

GENERAL CHARACTERISTICS OF ROTARY HARROWS HF AGRO



- Row spacing adjustable from 10 cm
- The unit is available with a working width of 3 to 18 meters
- Aggregated with tractors from 30 hp
- The line includes wide-cutting units, which significantly increases the processing speed.
- Wide-format units are universal - if desired or if necessary (field relief, etc.), it is possible to disconnect half of the wing and get, for example, two 6-meter harrows.

ELIMINATION OF THE RACK BREAK



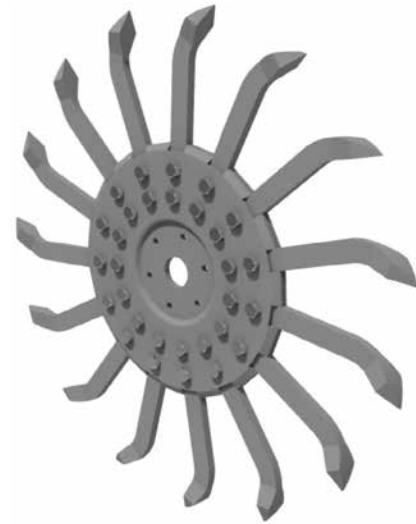
The working bodies of the rotary harrow HF Agro are characterized by increased reliability.

Tension spring eliminates fracture. The tension springs have a tension screw with which the stroke of the rack can be adjusted, making it more rigid or softer.

The disks are located on a rocking yoke, which allows to completely copy the unevenness of the field, thereby increasing the processing efficiency.

The working bodies are fully adjustable.

UNIVERSAL WORKING UNITS



Each of the fifteen teeth on the disc is secured with two bolts that pass through the disc, allowing for quick tooth replacement rather than the entire disc.

At the attachment point of the tooth, the disc is bent at an angle of 45°, which prevents the tooth from moving in different directions and makes it possible to use the unit in different conditions and soils.

MICRO-EXPLOSION EFFECT



The tooth is spike-shaped, flattened, pointed at the end and bent at an angle, which allows the tooth to enter the soil at 90°. Scrolling when leaving the soil creates the effect of a micro-explosion. In this way, it completely destroys the crust and pulls out weeds in the thread stage.

DOUBLE SEAL HUB BEARINGS



HF Agro rotary harrows use maintenance-free ball bearings that do not require adjustment or lubrication during their life cycle.

Modern lubricants provide reliable operation of units at temperatures from -40 to +120 C.

The bearings are extremely corrosion resistant and durable.

WIDE APPLICATION OF COMPOSITES



The use of composite materials additionally protects the moving parts of the units.

Therefore, the service life of HF Agro harrows is much longer than that of harrows where ferrous and non-ferrous metals are used in critical units.

TECHNICAL DATA

	HF-23103	HF-23104	HF-23106	HF-23109	HF-23112	HF-23114	HF-23118
Working width, mm	3	4	6	9	12	14	18
Productivity, ha/h	min 3,1	min 4,4	min 9	min 9,9	min 18	min 21	min 27
Operating speed, km/h	min 15	min 15	min 15	min 15	min 20	min 20	min 20
Cultivation depth, mm	30-50	30-50	30-50	30-50	30-50	30-50	30-50
Number of toothed discs, pcs	28	40	60	86	118	138	178
Working bodies diameter, mm	500	500	500	500	500	500	500
Weight, kg	510	680	1350	2000	до 3900	до 4500	до 5900
Minimum required tractor power from, hp	30	30	30	30	30	30	30
Overall dimensions in working position (length x width x height), mm	1800 x 3000 x 1200	1800 x 4000 x 1200	1800 x 6000 x 1200	1800 x 9000 x 1200	8800 x 12200 x 1200	8800 x 14200 x 1200	11000 x 18200 x 1200
Overall dimensions in transport position (length x width x height), mm	2000 x 3000 x 1200	2000 x 4000 x 1200	2000 x 3000 x 2700	2000 x 4400 x 4100	8100 x 3600 x 2450	8100 x 3600 x 2450	10300 x 3600 x 2450



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