

LIRA XL

HEAVY TOOTH HARROW (15m, 21m)





LIRA XL

NEW LEGEND



The base of LIRA-XL is a frame with five rows of teeth, which are 16 mm in diameter and 762 mm in height, mounted on a parallelogram.

One of the unique features of the LIRA-XL is possibility to perform 5 different operations in one pass. For example, simultaneously early spring harrowing and loosening of topsoil to a depth of 2-10 cm:

- keeps moisture;
- encourages germination of weeds to be destroyed then;
- levels the soil and prepares it for seeding;
- incorporates fertilizers and pesticides;
- uniformly distributes stubble remains.

The main advantage is special suspension of separate work sections, which allows to keep contact with a rough soil. The contour following is better compared to sections on leaf springs. With this harrow farmers receive a uniform soil and good covering of seeds.

Flexible cables allow to reduce the radius of the harrow turning. Thus harrow dimension is not a problem for good work.

Implemented design solutions increase the harrow efficiency up to 25 ha/hour.

LIRA XL-15 can be trailed to tractor with power from 160 hp, and LIRA XL-21 - from 300 hp.



Suspension of work sections

Parallelogram suspension of separate work sections allows to keep contact with a rough soil. It provides perfect contour following alongside the whole section width and uniform distribution of load per each spring block.



Teeth angle adjustment

Attack angle can be adjusted through the whole section within limits 45-90°.



Pressure on the soil

A spring block eliminates undesirable vibrations of sections (bouncing) at high speeds, and adjusts a pressure of the work section springs on the soil from 400 to 860 kg.





Cable tightening of sections

Flexible cables allow to simplify design of the harrow. They provide perfect turning maneuvering and contour following alongside the whole harrow width.



Durable teeth

Spring tooth is made of high quality special steel with double hardening. The tooth diameter is 16 mm, but due to innovative technology the wear resistance is increased in two-three times with a high strength in an area subject to the torque stresses.





Forged cross



Convenience

Forged crosses provide stable durability and reliability compared to welded ones, with no regard to human factor.

Fast folding in transport position and back.

Transport wheels are designed for public roads and have adjustable turn angle, which ensures better maneuvering when moving or folding/unfolding. There are two possible positions of wheel axles for high speeds.

LARI

PERFECT EVEN FIELD

The LIRA XL heavy tooth harrow can be additionally equipped with a drag harrow with 16 (8+8) rows of tooth sections and get the LARI drag harrow with minimum costs.

LARI makes it possible to start field works earlier than other machines in any weather conditions. For example, unlike a seedbed cultivator, the drag harrow is almost insensitive to soil moisture, because there is simply nothing to stick and block due to design. Flexible connection of the harrow sections makes it possible to follow the field surface, while the teeth, made of high-quality material, will ensure effective cultivation to a depth of up to 8 cm.

Farmers will certainly multiply their future crop with LARI, which will keep the moisture, destroy the crust and create perfect smooth field for further works in advance.



Even soil, uniform distribution of crop residues, safe seeds covering.

TECHNICAL DATA

	LIRA XL-15	LIRA XL-21
Working width, m	15	21
Tractor power, hp	min 170	min 300
Coupling with tractor	trailed	trailed
Basic weight, kg	5685	7950
Teeth spacing, mm	60	60
Teeth tilt angle, °	45-90	45-90
Diameter of a spring tooth, mm	16	16
Operating depth, cm	2–10	2–10
Operating speed, km/h	max 20	max 20
Efficiency, ha/h	max 21	max 30
Fuel consumption, l/ha	2-3	2-3
Transport dimensions (length x width x height), mm	1136 × 4012 × 3890	16105 × 4012 × 3890

LOZOVA MACHINERY



DUCAT
Compact disc harrows



DUCAT GOLD
Heavy disc harrow



SHILLING
Stubble cultivator



FRANC
Subsoiler



GULDEN
Subsoiler



CHERVONETS
Seedbed cultivator



ZLATNIK
No-till seed drill



CROWN
No-till unit



DINAR
Rotary harrow



LIRA
Hydraulic spring-tooth wide level harrow



REAL
Unit for application of plant protecting agents and mineral fertilizers



LIRA XL
Heavy tooth harrow



ALBION-26
(English series)
Agricultural trailer



Best solutions for agricultural machinery
- HARP-AGRO bearings
- HARP AGRO UNIT
- HARP insert bearings and housed bearing units

Manufacturer - Kharkov Bearing Plant (HARP)

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