

LOZOVA  **MACHINERY**

DUCAT

Compact Disc Harrows

2.5 m, 4 m, 5 m, 8 m, 12 m, 16 m



Money works!



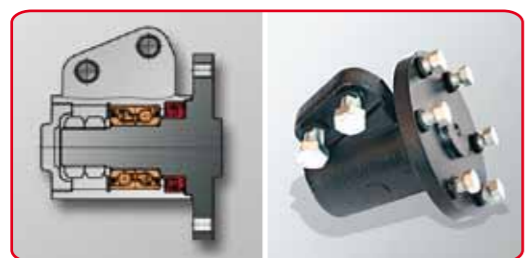
The purpose of stubble cultivation is covering of seeds fall and large quantity of stubble remains instead of weed control. During the application of minimum cultivation technologies there is a large quantity of non-chopped and non-uniformly distributed straw on the field.

Traditional cultivators can not cope with such quantity of organic mass on the fields, fallen cereals, stubbles of rough crops, green manures. The DUCAT disc harrow is indispensable under such conditions.

NEW 2014



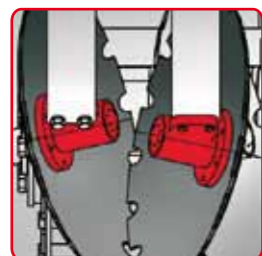
- Spring tine in the DUCAT provides the following advantages:
 - 20% decrease of implement draught resistance and fuel consumption
 - 3D protection of bearing unit during collision with any obstacles that exclude damage of discs, bearings, tines and frame
 - uniform depth of cultivation as there is no harrow raising when one disc runs into an obstacle
 - disc self-cleaning during the operation which ensures efficient operation on soils with high amount of moisture



- Modern bearing unit with a cassette seal does not require maintenance within its service life.



- Discs of high-quality boronizing steel, hardened by Bellota, have almost twice as high service life as discs of steel 65G.
- Distance between discs of 125 mm and low-frequency lateral vibrations of tine provide plowed bed, which is stable by depth without deep channels.



- The problem of furrow after the outer disc (without application of additional product range of parts) is solved by mounting the bearing unit on the other side of the tine.

DUCAT compact disc harrows present a complete line of disc harrows with working width of 2.5 m, 4 m, 5 m, 8 m, 12 m and 16 m.

- High operating speed allows to reach one and a half times as high productivity as other similar products with rigid tine.

**max.
32
ha/h**

DUCAT



Tractor power from

**340
hp**

DUCAT-16 is the largest unit of LKMZ disc harrows and the second largest in Europe. With a working width of 16.75 m it is the most productive in the segment of compact disc harrows on an individual tine.



**16,75
m**

Basic technical characteristics	DUCAT-2.5	DUCAT-4	DUCAT-5	THALER-8 + 2 pcs. of DUCAT-4	DUCAT-8	DUCAT-12	DUCAT-16
Number of discs	20	32	42	66	66	98	134
Diameter of discs, mm	560	560	560	560	560	560	560
Overload safeguard	3D protection	3D protection	3D protection	3D protection	3D protection	3D protection	3D protection
Distance between discs in plan, mm	125	125	125	125	125	125	125
Working width, m	2.5	4	5.25	8.25	8.25	12.25	16.75
Operating speed, km/h	12-20	12-20	12-20	12-20	12-20	12...20	12-20
Efficiency, ha/h	max. 5	max. 8	max. 10.5	max. 16	max. 16	max. 24	max. 32
Tractor required power, hp	80	130	150	250	250	340	450
Operating depth, cm	3-12	3-12	3-14	3-12	3-14	3 - 14	3-14
Modularity with tractor	mounted	mounted	semi-mounted	semi-mounted	trailed	trailed	trailed
Total weight, kg	1120	1800	3800	5200	6615	11000	13000
Fuel consumption, l/ha	4	4	4	4	4	4	4

- Optional:

- Spring teeth at front of the discs allow uniform distribution of the windrowed stubble remains on the field
- Baffle plates between the front and rear disc rows regulate the soil flow, form an optimal mulch cover and the soil fraction
- Spring teeth at front of the roller prevent direct soil spread from the second disc row into the roller and its blockage while high-speed operating

AGRICULTURAL MACHINERY



LIRA
Hydraulic Spring-Tooth Wide Level Harrows



REAL
Units for Spreading of Plant Protecting Agents and Liquid Mineral Fertilizers



DUCAT
Compact Disc Harrows



SHILLING
Stubble Cultivators



THALER
System Carriers



CROWN
No-Till Units



POUND
Land Rollers



CHERVONETS
Seedbed Cultivators



ZLATNIK
No-Till Seed Drills

SPARE PARTS FOR AGRICULTURAL MACHINERY

A wide range of spare parts for the whole product line of machinery manufactured by LKMZ is always available in stock:

- spring teeth
- bearing units
- discs and working elements
- rubber components for the Real sprayer
- tines and coulters
- and other consumables

BEARINGS FOR AGRICULTURAL MACHINERY

Bearings and bearing units manufactured by the Kharkov Bearing Plant (HARP)

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