

Ploughs

## Single-beam ploughs (width of body: 0,25 - 0,30 - 0,35)



One-beam ploughs of U030 series are perfect for small and medium-sized farms in all soil conditions with tractors from 40 kW to 95 kW. The ploughs are intended for performing middle deep ploughing, on flat fields, slopes and hills on all types of soil. Spacing of bodies on the frame equaling 80 cm and clearance under the frame equaling 78 cm allows for unconstrained operation on fields with post-harvest residues.

The main unit of a plough is a bearing frame consisting of a coupler head and a hinged beam which enables alignment of the frame at changing the furrow width. The plough is equipped with three-point suspension system of category II. The frame beam with handles of plough bodies is connected with a coupler head of the frame with the use of pivots and an adjustment screw which sets the angle of inclination of the frame during alignment. 1-beam ploughs of U030 series are, as a standard, equipped with anti-stone protection in the form of a shear bolt, ensuring longer lifetime of the plough. In addition, each body can be equipped (additional option) with a skimmer or a disc coulter of diameter of Ø41 cm.

The profile of the main frame both for 2- and 3- furrow ploughs equals 100x100mm. For these models there is a possibility of installing an additional body (+1). The ploughing width is adjusted in steps for three positions (25 cm - 30 cm - 35 cm - for ploughs 16"). The adjustment is performed easily by proper switching of the adjustment screw on each body seat on the plough frame. The setting of the frame itself (alignment) for particular working widths is performed with the use of a turnbuckle. Small widths of the furrow are recommended during pre-sow ploughing, especially on heavy soils which require good crumbling. While large widths of the furrows are recommended to pre-winter ploughing, especially on light and medium soils.

In all models of the plough the adjustment of the first furrow is performed mechanically with the screw allowing for moving the slider along with the frame on the stationary ledger of the plough. A roller feeler setting the depth of ploughing up to 30 cm is mounted in the handle of the last body (as a standard).

Plough bodies of U030 series may be equipped with openwork mouldboards designed for heavy soils. Openwork mouldboards allow to reduce working resistance by 10% and thereby obtain lower fuel consumption.

The construction of the rotary head is adjusted for tractors of maximum power up to 95 hp. As a standard, there is a suspension system bracket with self-coupling mechanism. Owing to application of easy assembly of the lower coupling bar, mounting the plough with a tractor is easy and safe.

### Technical specification

Symbol	-	U030	U030/1 / U030/2	U030/3
<b>Number of bodies</b>	szt.	2	2+1 / 3	4 (3+1)
<b>Width of body</b>	m	0,25 - 0,30 - 0,35		
<b>Width of plough</b>	m	0,5 / 0,6 / 0,7	0,75 / 0,9 / 1,05	1,0 / 1,2 / 1,4
<b>Working depth</b>	mm	to 300		
<b>Clearance under the frame</b>	mm	720		
<b>Plough bodies spacing</b>	mm	800		
<b>Weight (bolt protection)</b>	kg	470	640	780
<b>Power demand</b>	kW/HP	30-40 / 40- 55	35-55 / 48-75	45-70 / 62- 95

### Gallery



