

Ploughs

Single-beam ploughs (width of body: 0,30 - 0,38 - 0,45)



Series U031 single-beam ploughs are perfect for medium and large farms in all soil conditions together with tractors between **55 hp to 130 hp**. Ploughs are designed for medium and deep ploughing on flat, sloping and hilly fields on all types of soils. The spacing of bodies on the frame amounting to 90 cm and a clearance under the frame amounting to **78 cm** allows to work comfortably on both high stubble fields and fields with harvest residues.

The main bearing unit of the plough is a bearing frame consisting of a headstock and an inclining beam which allows frame alignment when adjusting the furrow width. The plough is equipped with a category III three-point hitch. The frame beam with handles of plough bodies is connected with a frame headstock with bolts and an adjusting screw which sets the angle of frame inclination during the alignment.

As a standard, series U031 single-beam ploughs are equipped with stone protection in the form of a shear bolt which guarantees longer service life of a plough. Moreover, every body may be equipped with a skimmer or a disc couler with a diameter of **Ø41cm**.

The profile of the main frame for both 3-furrow and 4-furrow ploughs is **120x120mm**. For these models an additional body (+1) may be mounted. The ploughing width is adjusted in steps for three positions (**30 cm – 38 cm – 45 cm - for ploughshares of 16''**). The adjustment is performed easily by switching the adjustment screw on each body seat on the plough frame in an appropriate way. 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. On the other hand, large widths of the furrow are recommended during pre-winter ploughing, especially on light and medium soils.

In all plough models the adjustment of the first furrow is performed mechanically with the screw allowing to move the slider together with the frame on the stationary ledger of the plough. A roller feeler setting the depth of ploughing up to 35 cm is mounted in the handle of the last body (as a standard). Series U031 plough bodies may be equipped with openwork mouldboards designed for heavy soils.

Openwork mouldboards allow to reduce working resistance by **10%** and thereby obtaining lower fuel consumption.

The construction of the rotary head is adjusted for tractors of maximum power up to **130 hp**. A hitch bracket with a quick-coupling mechanism is standard equipment of a plough. Thanks to the application of the easily attached lower coupling beam, combining the plough with a tractor is easy and safe.

Technical specification

Symbol	-	U031	U031/1 / U031/2	U031/3
Number of bodies	szt.	3	3+1 / 4	5 (4+1)
Width of body	m	0,30 - 0,38 - 0,45		
Width of plough	m	0,90 / 1,14 / 1,35	1,20 / 1,52 / 1,8	1,50 / 1,90 / 2,25
Working depth	mm	do 350		
Clearance under the frame	mm	780		
Plough bodies spacing	mm	900		
Weight (bolt protection)	kg	690	830	970
Power demand	kW/HP	37-55 / 50-75	48-70 / 65-95	55-85 / 75-115

Gallery



