

Subsoilers (working depth to 65 cm)



A subsoiler is a machine for deep soil cultivation without damaging its surface layer. Series U486 subsoilers loosen and aerate the soil **up to 65 cm of depth**. Subsoiling tears off the plough pan and thereby restores normal water-air relations in soil. In this tillage type mixing the surface and deep layers of soil does not occur. This operation should be best used immediately after the harvest, when the soil is dried up. Further cultivation operations should not be performed on the subsoiled field too early in order to avoid soil re-packing. The subsoiler may also be used for preparing the soil before planting fruit trees, berry shrubs and deep-rooting plants.

Technical parameters of the machine comply with the current European standards and norms concerning operational safety and ergonomics; high efficiency has been obtained with applying the latest computer-supported methods of design and construction.

The subsoiler is produced as a **3-tine, 5-tine, 7-tine or 9-tine** machine with a tine spacing of **45 cm**. All subsoilers are equipped with a solid frame, to which a tillage roller with height regulation performed with a parallelogram is mounted. The subsoiler tines are secured against damage with a **shear bolt**. Moreover, the tines are equipped with **replaceable coulters** and a “**mole**” which performs additional loosening in deep soil layers.

An effective working depth of series U486 subsoilers is **65 cm**; in order to maintain an appropriate quality and efficiency of the subsoiler's work, the power demand per one tile amounts to approx. **30 kW**.

Technical specification

Symbol	-	U486	U486/1	U486/2	U486/3
Number of tines	szt.	3	5	7	9
Tines interspace	mm	450			
Working depth	mm	do 650			
Roller diameter	mm	550			
Machine weight	kg	695	980	1230	1480
Machine weight with roller	kg	1205	1605	2010	2405
Power demand	kW / HP	75 / 102	110 / 150	185 / 250	260 / 350

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