ROOT CUTTER

Bowell WF Root Cutter



Hydraulic root cutter for mini-excavators



KEY FEATURES

- 435 mm rotor disc for high tilling performance
- 16 interchangeable high-performance Milling teeth
- Powerful hydraulic drive
- For mini-excavators from approx. 2 to 5 t
- Maximum manoeuvrability even in hard-to-reach areas
- Various excavator attachments thanks to interchangeable mounting plates
- 1,500–1,800 rpm rotor speed
- Low-maintenance and durable, with high-quality ball bearings and hydraulic components

Bowell WF Root Grinder

Applications and operating principle of the WF root planer

The **Bowell root cutter with hydraulic drive** is fitted to various mini-excavators using interchangeable mounting plates. A stump grinder, also known as a tree stump grinder or root grinder, is used to remove tree stumps and roots after a tree has been felled. The main purpose of the stump grinder is to grind down or shred the tree stump to a certain depth in the ground in order to create a level surface, for example for new plantings or paving work.



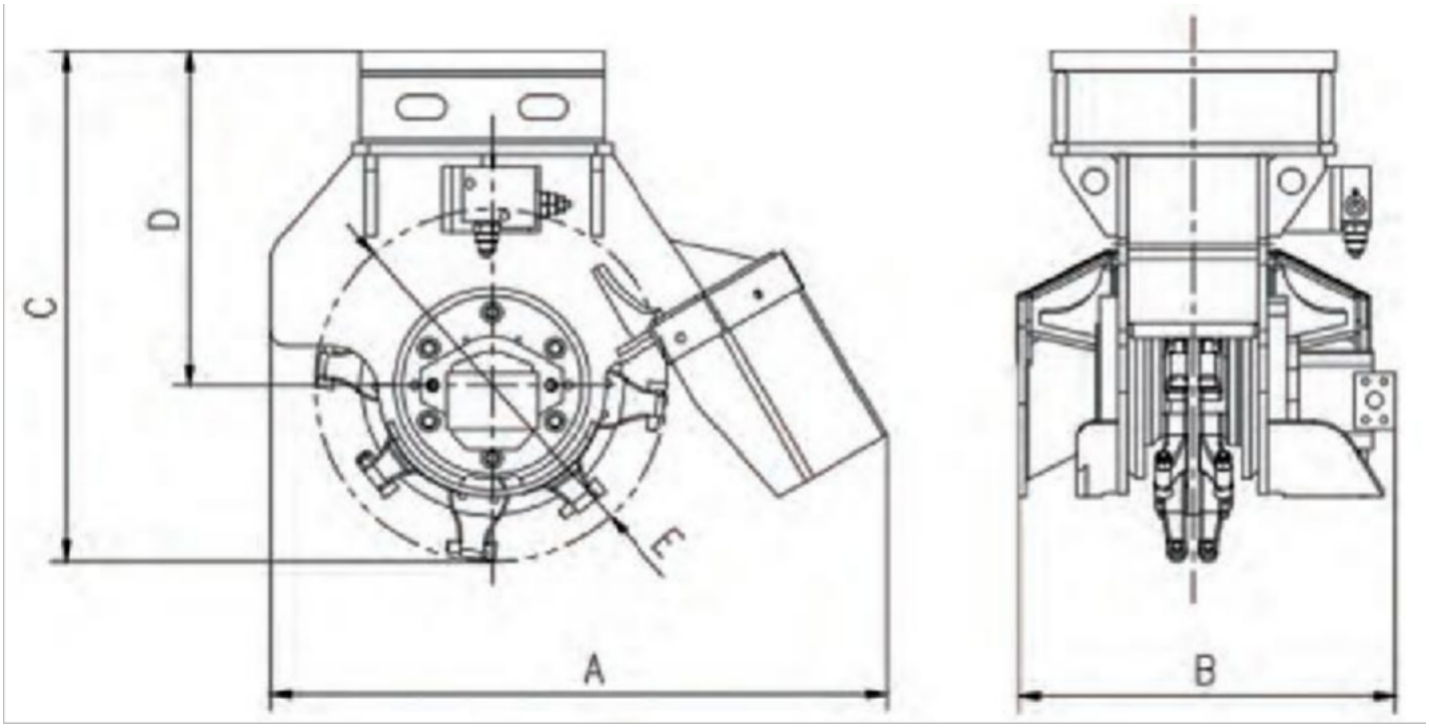
The stump grinder features a rotating cutting disc with special cutting teeth, which is guided back and forth laterally across the tree stump and removes several centimetres of wood with each pass. The teeth, fitted with **tungsten carbide tips**, cut the wood into small pieces and grind it down to mulch or sawdust. The cutting disc moves from side to side and from top to bottom to process the entire stump evenly. Depending on the size and hardness of the tree stump, this process can take anywhere from a few minutes to several hours.

The advantage of a stump grinder is that tree stumps can be **removed efficiently, quickly and safely** without the need for extensive manual digging or the complete excavation of the roots.

This model is suitable for most **mini-excavators weighing between 2 and 5 tonnes** and offers a high degree of manoeuvrability thanks to its hydraulic drive. Bowell's hydraulically driven stump grinders can be fitted to various excavator attachments, enabling them to work in **hard-to-reach areas** provided they have the necessary reach. This can be advantageous, for example, on slopes or close to a fence or wall, where larger machines cannot be used.



TECHNICAL SPECIFICATIONS	WF-01	WF-03
Mounting plate	MS-01	MS-03
Milling cutter	16	16
Rotor diameter mm (E)	435	435
Weight kg	160	175
Dimensions – A (mm)	1242	1442
Dimension – B mm	460	480
Dimension – C mm	630	650
Dimension – D mm	410	435
Rotor width including milling teeth mm	120	120
Rotor speed (rpm)	1500–1800	1500–1800
Required oil flow rate, L/min	33	40
Required oil pressure (bar)	120–140	140–160



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