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ROAD SHOULDER MULCHER

RBR mulcher



RBR road shoulder mulcher has been designed for mowing of roadside and ditches along roads. The device is equipped with a head with a working shaft that is assembled on a hydraulic crane that allows for work in a distance up to 4 meters from tractor's central axis on a slope along the road as well as on a counter-slope.

Working with the road shoulder mulcher is based on a slow ride along a forest road with the working head facing the surface of a roadside and shredding – or cutting – of minor vegetation (up to the diameter of 4 cm) growing in ditches and on the road shoulder.

Controlling the work of this device is done from tractor's cabin using a controller based on electronic relays that steers the hydraulic system's work.

To achieve proper work effects it is recommended to shred systematically stripes of the roadside beginning with the ones located closest to the road. Depending on the expected degree of shredding it may be necessary to perform several work rides. In a case of high vegetation it is necessary to stop the tractor and slowly shred it through maneuvering with the crane.

The support roller assembled in the head limits the working depth of hammers thus shredding of material laying directly on the ground is limited.

TECHNICAL PARAMETERS

Parameters	Value
Shredder's type	Hinged
Crane type	W43-S – produced by OTL
Head type	Flail, hydraulically powered
Shredder's weight	1260 kg
Working speed	Up to 1 km/h
Attendance	1 person, tractor's operator
Drive system	Built-in hydraulic system powered from PTO shaft
Required PTO revolutions	1000 rpm
Pressure in the hydraulic system	16 MPa – crane 20 MPa – head
Oil flow in the hydraulic system	Max. 30 l/min – wysięgnik Max. 110 l/min – głowica
Aggregated tractor	110 – 130 KM, equipped with crawler gears



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Systematic roadside maintenance works allows for an efficient shredding and mowing of fresh offshoots without causing an overstrain on working elements of the mulcher. The device should not be used on areas densely covered with vegetation or surface roots. It is as well forbidden to apply the device on clearcutting areas. Any obstacles like stumps located in the working stripe of the head should be carefully passed by. The mulcher is designed to work with tractors equipped with:

- a three-point hitch
- a PTO shaft output.

The RBR mulcher has a built-in hydraulic system powered from tractor's PTO shaft and an aggregate that allows for electric steering with an electric current up to 30A.

Transport position	
Width	2000 mm
Length	1375 mm
Height	3350 mm
Working position	
Maximum outreach	4300 mm
Length	900 mm
Hydraulic system	
Type of hydraulic oil	HL 46
Hydraulic oil tank	190 l
Controls	Own controller
Head	
Width	1100 mm
Revolutions	2800 rpm
Number of flails	16 pcs
Head's weight	250 kg