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DITCHER

PR-H and PR-H2 ditcher



The ditcher is a device for cleaning and maintenance of ditches along forest roads. During its work a rotating head makes in the ground a ditch of 50 cm depth simultaneously making a ridge whose height depends on position of the top cover. The most effective work is carried at well prepared areas where the road has not been hardened with stone chips or rubble and where thick tree roots do not occur. Small and thin stumps and roots will be shredded. In favorable conditions the ditcher can also be used for cleaning shallow drainage ditches or to form ridges on post-agricultural grounds, meadows or wetlands being prepared for afforestation.

The ditcher has a hydraulic drive from its built-in closed hydraulic system. The hydraulic system is powered from tractor's PTO shaft.

A new solution (PR-H2) offered by OTL Jarocin has a working head that can work in two directions. Soil from the ditch can be either thrown outside the area of the road (as it has been practiced in the previous construction) or on the road – an idea suggested by existing customers who wanted to gather the material on the road surface that would be then used for road grading and compaction.

TECHNICAL PARAMETERS

Parameters	Value
Length	2400 mm
Width (transport / working)	2050 / 3850 mm
Transport height	2550 mm
Weight	PR-H - 1530 kg PR-H2 - 1750 kg
Depth of ditching	up to 610 mm
Bottom width of ditch made	Minimum 220 mm
Top width of ditch made	Minimum. 920 mm
Adjustment of working depth	Arm's cylinder
Working head's diameter	850 mm
PTO shaft's revolutions	1000 rpm
Working head's revolutions	225 rpm
Head's drive	Hydraulic, own
Working ride speed	max. 700 m/h
Head's offset from the middle axis of a tractor	1,8 do 2,4 m
Recommended tractor power rating (equipped with crawler gears)	Min. 110 HP
Attendance	1 person



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Changing the working direction of the head is done by an operator after switching off the ditcher's power and turning off the tractor.

Working parameters of this device do not vary from the parameters of the previous version.

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.

Regular maintenance of ditches allows for an efficient work without overstraining work elements in the PR-H ditcher.

The device has been designed to work with tractors equipped with:

- three-point hitch allowing for a stiff attachment on bottom links (elimination of a side lean)
- PTO shaft

