

Prentice HARVESTER HEAD

PF-48

The PF-48 is a “fixed” controlled fell harvester head providing complete control of felled trees to the operator. This control allows the operator to cut and position trees during select thinning of hardwoods, the focal application for the PF-48, without damaging the residual stand. The one-of-a-kind four roller design has been field proven in tough hardwood applications for over 15 years resulting in a robust, well built product.

UPTIME. High uptime is a key benefit of this harvester head. The PF-48 is an easy to maintain head with the entire valve package incorporated into the carrier, eliminating the shock loads entering the hydraulic system during felling resulting in less maintenance. With the main hydraulic components on the carrier, the head has minimal parts that are susceptible to common failures experienced on typical harvester heads.

QUALITY. The 4 roller feed design decreases rolling resistance providing increased feed speed and superior delimbing torque. Soft clamp delimbing arms along with the walking beam roller design allows the head to follow the stem profile for clean efficient delimbing.

ACCURACY. Dual roller length measurement along with an independent measuring device (IMD), allows the user to select the best system for the application.

FLEXIBILITY. The PF-48 is ideally suited for the smallest track harvester manufactured by Caterpillar®. This combination provides excellent maneuverability and efficient harvesting. However, the PF-48 can also be paired with the wheel harvester built by Caterpillar providing quicker mobility without compromising maneuverability.

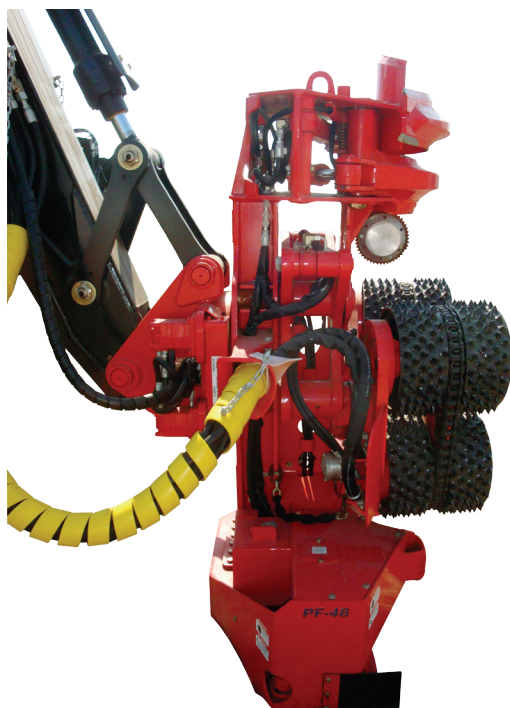
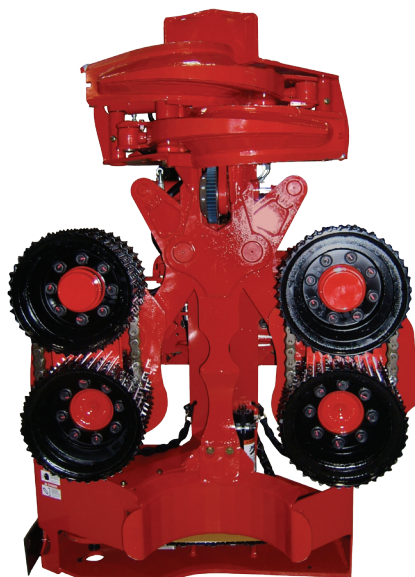
VALUE. Low maintenance costs, total tree control, and the straight forward computer system with multiple length presets, sensor fine turning, cutting window alarms, as well as an optional diameter measurement feature, provide unmatched end product value.

DURABILITY. Since its early development in 1994 the PF-48 has proven to be a capable product day-in and day-out working in tough hardwood applications. Some of the very first heads are still operating today in hardwoods with over 20,000 hours on them. Not too many harvester heads can survive a steady diet of hardwoods quite like the PF-48.



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DIMENSIONS

Weight	2090 kg (4,600 lbs)
Width (arms closed)	1321 mm (52 in)
Width (arms open)	1577 mm (62 in)
Height	2108 mm (83 in)
Maximum Roller Opening	482 mm (19 in)
Maximum Knife Opening	788 mm (31 in)
Maximum Full Coverage Delimb Diameter	478 mm (18.8 in)
Minimum Full Coverage Delimb Diameter	86 mm (3.4 in)

SPECIFICATIONS

Main Saw- Bar Pitch/Type	19 mm (0.75 in 11 H)
- Bar Length	864 mm (34 in)
- Maximum Diameter Cut	610 mm (24 in)
- Maximum Chain Speed	16 m/sec (51 fps)
Chain Tensioning	Automatic
Chain Oil Tank Capacity	17.0 L (4.5 gal)
Stump Spray System	Optional
Feed Rollers	4
Feed Roller Motors	2
Roller Motor Brand	Poclain MS08
Roller Motor Type	Radial Piston
Motor Size	934 cc (780cc opt)
Maximum Feed Speed (w/ std. motor)	4.3 m/sec (14.2 ft/sec)
Maximum Feed Force (w/ std. motor)	33 kN (7,500 lb-f)
Floating or Fixed Top Delimb Knife	Fixed
Movable Delimb Arms	2
Delimb Pressure	Adjustable
Control & Measuring System	Joral
Rotator	Caterpillar
Rotator Rotation (°) - Non Continuous	360 - Hose limited
Hydraulic Pressure Requirement Maximum	282 bar (4,090 psi)
Hydraulic Flow Requirement Minimum	132 L/m (35 gpm)
Electrical System Voltage	12 or 24

For more complete information on products, dealer services, and industry solutions, visit on the web at: www.prenticeforestry.com

Materials and specifications are subject to change without notice. Equipment availability may be limited to specific regional areas. Featured machines in photos may include additional equipment. We reserve the right to change specifications and to improve our products without notice or obligation.

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