



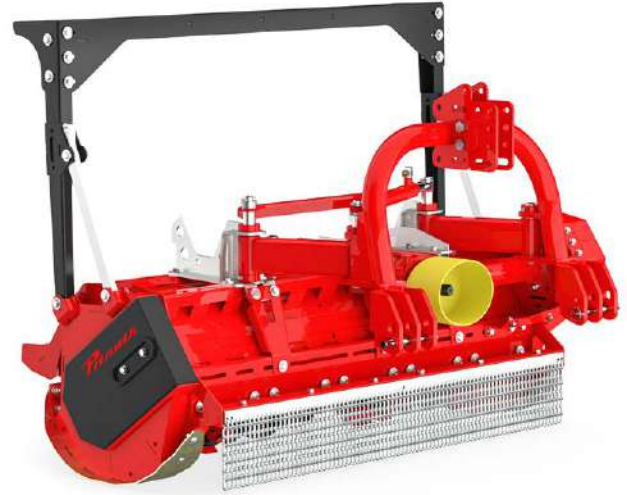
M450h
M450m
BRUSH MULCHER



M450h & M450m

The new M450 series is a lightweight brush mulcher that has been specially developed as an attachment for remote controlled carriers. The mulcher is also suitable for mini skid steers with standard flow, i.e. on boom arms or as an attachment to wheel loaders.

For PTO driven carriers such as remote controlled mowers or small tractors, the product range M450m is available.

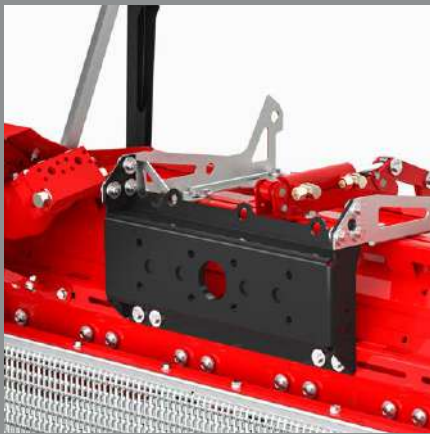


M450h – Hydraulic Drive

- + Volume flow from 14.5 – 29 gpm
- + Perfect for maintenance of green spaces and light urban works
- + Axial piston motor
- + Suitable for mulching of scrub and branches without problems

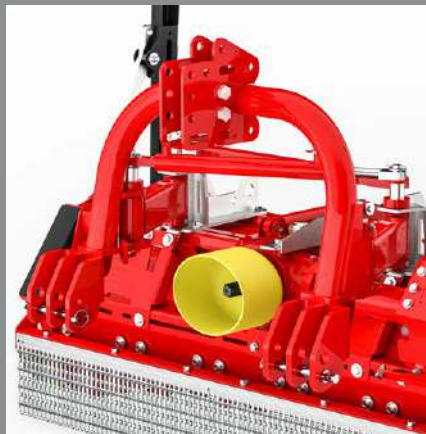
M450m – Mechanical Drive

- + Power range 54 – 90 HP
- + Ideal for rough terrain
- + Best cutting results with the BCS tool system
- + Transmission independent of rotation direction, therefore suitable for front and rear mounting



Hydraulic Interface

Customized interfaces for simple mounting/demounting on various carriers with different options available, e.g. for Energreen, MDB, Robocut and many others.



Mechanical Interface

The M450m 3 point KAT II linkage is available with mechanical or hydraulic offset.



Drive

The efficient drive available on the left or right side, with 3 flexible V-belts provides efficient overload protection.

TECHNICAL DATA	1250	1350	1450
Power range	54 – 90 hp (40 – 66 kW)	68 – 90 hp (50 – 66 kW)	75 – 90 hp (55 – 66 kW)
Volume flow	14.5 – 29 gpm (55 – 110 l/min)		
Hydraulic motor	34 cc / 47 cc piston motor with overrun valve		
Drive	V-belt		
Max. pressure	5070 psi (350 bar)		
Rotor diameter	17.7 in (450 mm)		
Tools	26x BCS	28x BCS	30x BCS
Working width	49.2 in (1250 mm)	53.1 in (1350 mm)	57 in (1450 mm)
Total width	57 in (1450 mm)	61 in (1550 mm)	65 in (1650 mm)
Weight*	1014 lbs (460 kg)	1124 lbs (510 kg)	1191 lbs (540 kg)

* depending on equipment

BCS Rotor and Tools

BCS stands for “Bite Control System”. It effectively controls the depth of bite for consistent mulching results and optimum power control. BCS rings around the rotor also reduce impacts and shock loading on the drive line.

The tooling of the rotor can be easily exchanged and adapted to the application. Mixed tool setups are useful in applications with ground contact to achieve an optimum balance between cutting performance and tool life.



BCS02

Triple-carbide tool with main cutting tip in the center, side tips set diagonally to reduce power requirement, for wear-intensive and sandy applications.

Additional protection of tool holder through wider carbide tips at the side.



BCS03

Single-edged chipper blade with hardened surface for above-ground mulching, mounted on standard BCS holder.



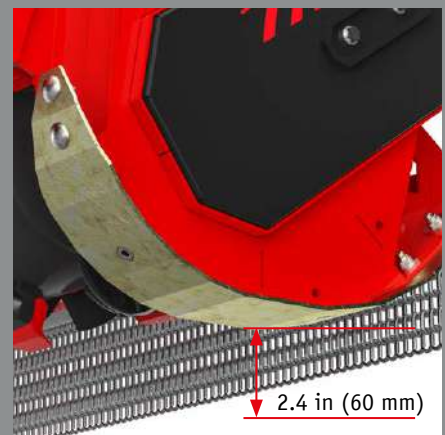
Push Bar

The push bar guides taller material into the rotor in a targeted and safe manner. The fixed push bar has two mounting positions. A hydraulic push bar is optionally available for both the M450h and M450m.



Housing with Counter Blades

As standard, the M450 housing is made out of HARDOX. Two exchangeable counter blades provide additional shredding of the material to obtain the best possible mulching results.



Skid Options

To adjust to specific grounds, the HARDOX skids can be exchanged. In addition to the standard skids, also high skids (+1.2 inch) and height-adjustable skids with 3 levels up to 2.4 inch (60 mm) are available.



Sales and service sites in your area can be found on www.prinoth.com

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