

## Woods BB84.50 BrushBull™ Single-spindle Rotary Cutter

**General:** The specification is to describe a 7' single-spindle rotary cutter suitable for highway right-of-way, ditch, and roadside vegetation maintenance. The unit shall incorporate a 3-point mounted 7' cutter deck.

**Deck and Frame:** The cutter deck shall provide a cut width of no less than 84". The cutter must be equipped with greasable "quick-change" blade pins. The top of the deck shall be sloped to keep water and debris from accumulating on the deck top. The top deck sheet shall be of not less than 10-gauge (0.135") steel. The frame shall incorporate two 3" by 3" structural tubes from the hitch attachment and 0.25"-thick front channel to the 0.25"-thick rear frame bumper plate. All stress points shall be supported by the structural tubes or front and rear frame members. The side frame material shall be 0.25" in thickness and 12.7" from the top of the deck to the bottom of the frame. Full-length 0.312" skid shoes attached to each side frame shall be replaceable.

**Gearbox:** The cutter shall have a gearbox horsepower rating of a minimum of 150 HP (based on field testing). The output shaft on the gearbox shall be 2" diameter. The gearbox shall carry a 6-year limited warranty which covers defect in material and workmanship and includes the seals. The gearboxes shall utilize tapered roller bearings throughout. The lower neck of the gearbox shall have the seals protected by an anti-wrap device. An oil level dipstick shall be threaded into the gearbox to allow for oil level inspection. The gearbox shall have a removable oil drain on the lower neck. The gearbox shall have a lower seal which incorporates additional protection for rubber seal.

**Driveline & Clutch:** The input driveline from the tractor to the gearbox shall be ASABE Category 4. The driveline shall be equipped with a slip clutch in the event that the blades contact an immovable object. The clutch shall utilize two (2) friction discs. The driveline shall be of North American manufacture. A swinging hanger for the driveline shall be provided to assist the operator during attachment to the tractor and to store the driveline when the cutter is not in use.

**Blade Rotation:** The blade tip speed shall be 16,000 ft/min at 540 RPM input from the tractor. The blade spindle shall rotate counterclockwise as viewed from above the deck facing the tractor. The cutter shall be capable of cutting material up to 3" in diameter. The cutter shall include a diamond shaped stump jumper no less than 0.25" steel. An optional bolt-on, 7-gauge (0.179") round stump jumper pan shall be available.

**Wheels:** The cutter shall be equipped with a single 16" laminated, segmented tail wheel. The wheel hub shall be cast grey iron and utilize tapered roller bearings. An optional dual tail wheel shall be available to provide additional ground stability.

**Hitch:** The cutter shall be compatible to tractors with Category 2 or 3 three-point arms and Category 2 or 3 quick-hitch. Hitch pins shall be clevis style. The hitch shall incorporate a pivoting break link to allow the cutter deck to follow the contour of the ground.

**Safety:** The cutter shall be equipped with .312" chain guards to adequately control thrown objects. All front and rear openings shall be covered with bolt-on chain guards that extend at least 1" below the blade line.

# Bid Specifications



## Woods BB84.50 BrushBull™ Single-spindle Rotary Cutter Specifications

Cutting Width (in)	84
Overall Width (in)	91.3
Overall Length (in)	124
Cutting Capacity (in)	3
Tractor HP Range (hp)	40-150
Weight (lbs)	1,331
3-point Hitch	Category 2 & 3
Quick-hitch Ready	Yes
Deck Type	Smooth, sloped
Deck Thickness (ga   in)	10   0.135
Side Frame Thickness (in)	0.25
Side Frame Depth (in)	12.7
Deck Shielding, Front and Rear	5/16-inch Chain guards
Blade Tip Speed (fpm)	16,000
Blade Carrier	¼-inch Thick, diamond stump jumper; optional round pan
Blade Type (in)	(2) 0.5 x 4 with greasable quick-change blade pins
Frame & Deck Support (in)	3 x 3 Full-length structural tubes
Rear Frame	¼-inch Z-shaped bumper
Driveline Rating	ASABE Category 4, slip clutch
Gearbox Rating (Based on Field Testing) (hp)	150
Output Shaft Diameter (in)	2
Gearbox Warranty (years)	6
Skid Shoes	5/16-inch, Full-length, replaceable
Tail Wheel	16-inch Laminated, optional dual