

# The Bush-Whacker ST-180 2010

## 15-Foot Smooth Deck Flex-Wing Rotary Cutter

**Bush-Whacker mowers from Hall Manufacturing are increasing in demand for agricultural, commercial and other applications where a heavy-duty, rugged mower is needed. The Bush-Whacker is available in a range of sizes to fit your needs - from the five foot model all the way to the big 20-footer.**

**Hall Manufacturing has been in business for more than 75 years. During this time they've sold more than 10,000 units across the U.S.**



- **Structural frame of mower is 3" channel, 1/4" thick.**
- **Heavy duty 3/8" side skirt with full length skid shoes.**
- **8-bolt mounting on gearboxes — heads are tack-welded to bottom of deck so one person can tighten the nuts or change the gearbox.**
- **Blades are 1/2" by 4" instead of traditional 1/2" by 3 1/2"**
- **Rated to cut up to 4" diameter brush.**
- **Hinges — 3" by 4" tubing with grease fittings**



**Bush-Whacker**<sup>®</sup>  
KICKS GRASS!

Hall Manufacturing  
3706 East Washington •  
PH: 501-945-7550

P.O. Box 5638 • North Little Rock, AR 72119  
• [www.bush-whacker.com](http://www.bush-whacker.com)



# Bush-Whacker®

## Model ST-180 Elite - 15-Foot Smooth Deck Flex-Wing Rotary Cutter

### Specifications\*

**Gearboxes — 540 RPM or 1,000 RPM** Three spindle gearboxes, 250 HP, base mounted, 1:1.6 ratio. One dividerbox, 275 HP, base mounted. All gearboxes have malleable housings, forged alloy steel, carburized and hardened gears and shafts, tapered and ball bearings. 20 splined 1 3/4" input shaft, 2 3/8" output shaft on spindle boxes.

**Drive Shafts** Shielded PTOs made from finest quality propeller shaft materials and needle bearing universal joints. Category 5 80-degree constant velocity main drive shaft, Category 4 intermediate and wing drive shafts.

**Slip Clutch** Three heavy-duty clutches with spring type adjustment and four friction discs.

**Blades** 1/2" by 4" material, alloy spring steel, airlift design. Free swinging when encountering obstructions. 8" overlap for better cutting. Blade tip speed: 16,768 FPM.

**Wheels** Six solid rubber tires standard. Independent shock absorbing system for all wheel axles. Cutting height adjustable from 2" to 17". Optional: aircraft tires, implement tires and foam filled tires.

**Bush-Whacker Special Deck** Bush-Whacker Special Deck includes a primary (bottom) deck of 3/16" steel that is welded to heavy duty heavy channel structures. The smooth, easy-to-clean top deck is made of 12 gauge steel and protects the inner support frame. Combined deck thickness: .2921".

**Hydraulic Adjustments** Hydraulic lift cylinders control raising and lowering of flexible wing (winch assembly for manual wing lift is optional). Wing may be raised to 88 degrees above horizontal and lowered to 22 degrees below horizontal cutting plane. Optional: rephasing level lift systems.

### Chain Guards Front and Rear

**Dimensions** Cutting width: 15'. Cutting height: adjustable from 2" to 15". Overall width: 190". Overall length: 167". Transportation width: 88". Cutting height for aircraft and implement tires: 2" to 17".

**Weight** Without chains and tires: 4,260 lb.  
With standard tires and single curtain chains: 4,980 lb.

**Other Standard Features Include:** Replaceable center and full length wing skid shoes, transport locking bars for each wing, heavy-duty tongue assembly with dual leveling rods, hydraulic hose holder, park jack for easy hookup and unhooking from tractor. Swivel clevis to relieve stress on tractor drawbar.

*\*These specifications are standard; however, any State Department of Transportation Specifications that may differ from standard Bush-Whacker Specifications will take precedence and be implemented into productions*

**WARRANTY:** Guaranteed for 12 months against defective materials and workmanship. Defective parts must be returned prepaid to the factory. Guarantee is void if failure is due to operators negligence, abuse or using other than genuine Bush-Whacker parts.

