

SCHULTE[®]
INDUSTRIAL GRADE

SERIES 4



**INDUSTRIAL GRADE
MOWERS AND FLEX ARM
XH-1500 XH-1000 FLX-1510**

**The Best Bang for Your Buck
in the Mowing Industry!**

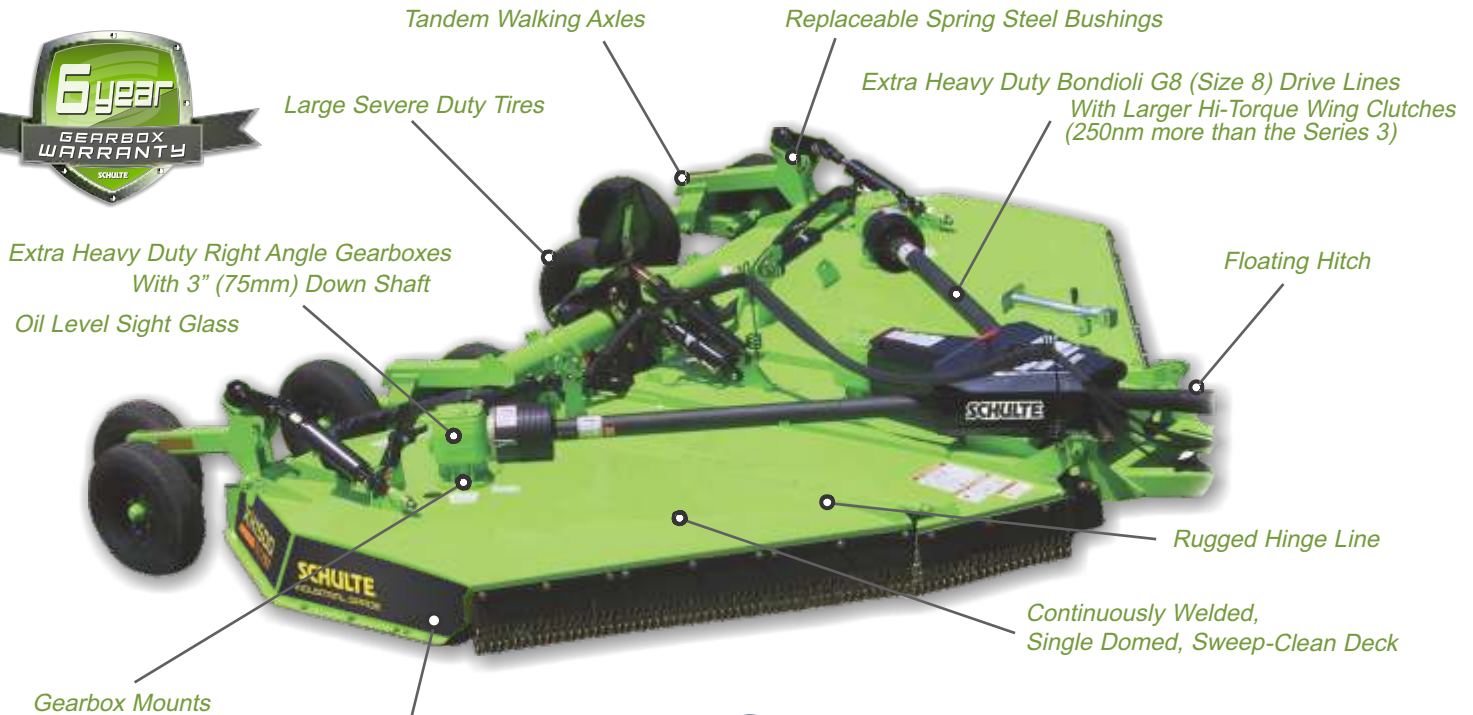


World Class *Built to Last*

schulte.ca

XH-1500/1000 Series 4

The Schulte XH1500/XH1000 Series 4 Rotary Cutters are the latest version of Schulte's popular heavy duty rotary cutter line. It retains all of the best features of the original XH1500/XH1000 Rotary Cutters, such as tandem walking axles, heavy duty drive line and deck protection rings, while adding many new improvements. Below is a listing of key features on the Series 4:



An optional **Gauge Wheel Kit** can be mounted on the left or right wing to aid in clearing road approaches during ditch mowing



10' XH1000 Series 4 unit shown

Drive Line A four gearbox drive line arrangement with a forward mounted power divider allows the use of individual slip clutches to protect the cutter. The four gearbox drive line allows the wings to operate at angles from 25° down up to transport position.

Floating Hitch The hitch lifting rods use a sliding sleeve that allow the cutter's front skids to pass over an obstruction without tending to lever up the back of the cutter or bend the hitch lifting rods. Also features a new bolt on replaceable hitch swivel.

Gearbox Mounts Heavy duty gearbox mounting pads are able to handle the roughest working conditions. Gearbox bolts can be retightened from just the top side.

Severe Duty Tires With larger 24" tires, transport height is increased to 17.5" allowing for an easier ability to cross approaches and improved performance in wet conditions.

Domed Deck Single domed sweep clean deck eliminates build up of debris and prevents rusting on the top side.

Tandem Walking Axles with longer lasting, replaceable, spring steel bushings & hardened pins result in smooth operation over rough surfaces.

Welding Top side of deck is continuously welded to increase structural strength and minimize rusting.

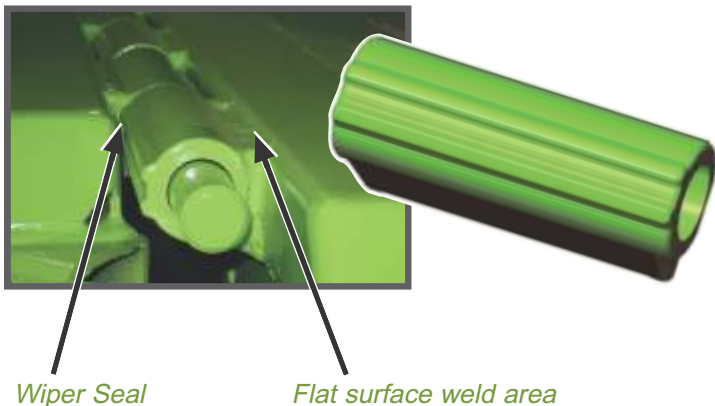
The **Walking Axle** uses a 1-3/8" hardened greasable pin along with two 2 inch long hardened spring steel bushings that are installed into the walking axle casting. This hardened pin and steel bushing combination will provide a long service life in the toughest of conditions. The walking axle suspension is positioned as far forward as possible to best control cutter height over uneven ground. Available with optional wing walking axles for better flotation cutting.



Swivel Hitch A swivel hitch allows the cutter to move over rough terrain without the hitch clevis binding up onto the tractor drawbar. The swivel assembly uses a strong 2" main shaft. Should the assembly loosen up over time machine bushings can be added to maintain a snug fit. A spring steel bushing protects the hitch frame from wear. The complete assembly can be changed by removing four bolts.

Shielding Comprehensive drive line shielding allows the use of short bells on power shafts resulting in better access to grease zerks. The shielding can be easily unclipped for access to gearboxes, slip clutches and universal joints. A self-locking latch and support straps apply force under the main shield to prevent it from rattling.

Tough Hingeline Cast hinge with a wiper seal prevents blow through of grass and material to the top side of the deck, and improves square and flat welding area to frame.



Wiper Seal

Flat surface weld area

Wing Lift Wing lifting lug runs through the deck and is then capped on the under side to totally eliminate any chance of coming loose even if the wing is suspended off the ground during operation.



Stump Jumpers 1/4" thick spun & pressed formed (dynamically balanced) stump jumpers with patent pending Pentagon Blade Bolt design allows cutter sections to ride over obstructions. Flat 1" thick blade bar design with heavy duty 3/8" cross bracing on center section pan helps prevent premature wear and cracking.



Blades/Options Various blade options are available from Schulte, such as: 4" or 5" wide Schulte Super Suction, standard suction, brush blades and shredder blades. Whatever your application, Schulte has your blade.



Pentagon Blade Bolt Bushing Our stump jumpers feature a Pentagon Blade Bolt design with C1045 replaceable bushings welded into the crossbar, ensuring years of trouble free use! A Schulte exclusive!

Hoses Hoses can be organized along the right or left side of the centre frame so that shielding covers can more easily be tilted back for service access.



Leveling (Industry First) Outer wing wheels include an adjustment screw that can be placed out of level up or down 3". This allows the cut height to be fine tuned across the machine for precision cutting along roadsides.



Central Suspension

Wing Lift lock up with rubber stopper

Rear Beam The centre section wheel standard uses a large 6" O.D. x 5.5" I.D tube. The lifting system is symmetrical, resulting in an even loading on both sides of the centre frame. Spring steel greaseable bushings and high carbon steel pins are used at all major pivot points.

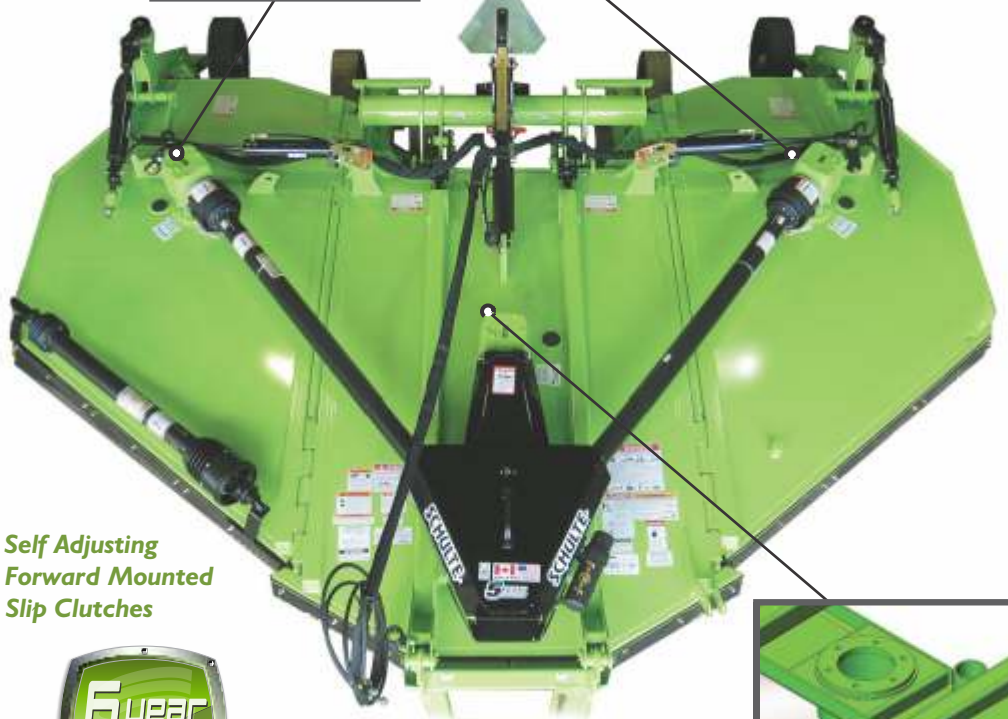
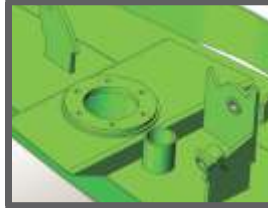
Reinforced Wing Gearbox Mounts

Spring Steel Greaseable Bushings are used at all major pivot points, and on the Series 4 have been added to the hitch, tension links, center suspension, wing suspension and all wheel standards.

Optional Equal Angle Hitch



Wing Suspension with rubber grommet. Lock head pins with greaseable replaceable spring steel bushings at all major pivot points ensures proper lift height for the life of your Schulte cutter.



Self Adjusting Forward Mounted Slip Clutches



Reinforced Center Gearbox Mounts



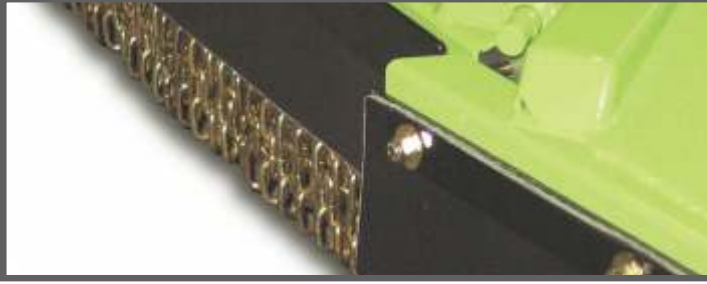
260hp Splitter Box with forward mounted self adjusting clutches for easy servicing



225hp* Right Angle Gearboxes Extra Heavy Duty 1 3/4" Input Shafts. 3" (75mm) Tapered & Splined Down Shafts. Five year limited gearbox warranty.

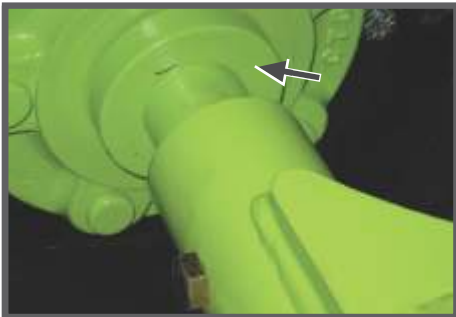


Gearbox Sight Glass Lets you easily check oil levels with a glance



Double Safety Chains With individually replaceable links are standard equipment **Optional Front Rubber Belting** prevents blow of material and thrown objects

Power Shafts: Available 80° CV Cat 6 (540RPM) Cat 5 (1000RPM) main power shaft with Cat 5 wing shafts. All power shafts have tapered pin type connections instead of split clamp. Optional Equal Angle Hitch non CV drive available in 540RPM only. Not to be used with Flex Arm.



Metal Axles Seal Guards
Protection over hubs, with bolt in replaceable axle

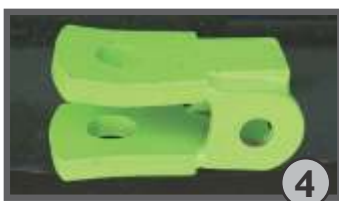


Narrow Transport Width

The NTM (Narrow Transport Mechanism) is incorporated into the center hydraulic lock up system. The wing wheels can be tucked inside of the width of the wings when in transport mode allowing for a stable, safe and ultra narrow transport width of 88".

Phased Hydraulic Cylinders

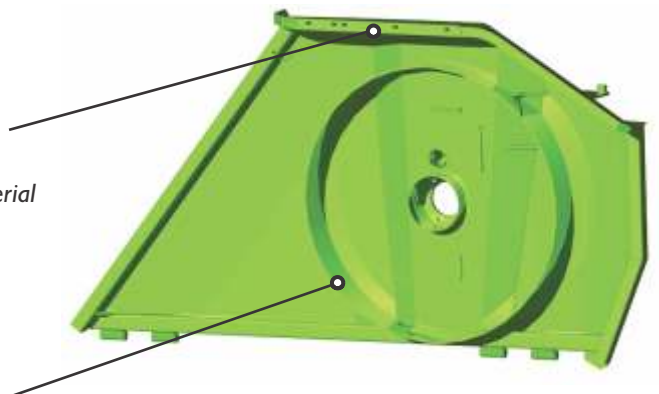
are standard to provide level lifting across the width of the cutter. Centre and wing sections all raise and lower together. Cutting height is controlled by the centre depth stop for one touch levelling.



Centre Skids Replaceable High Tensile Skid shoes are a two piece design. The shoes can be removed entirely when cutting over level ground.

Wing Skids Replaceable High Tensile Outer wing skids are two piece. The forward section is extra wide to prevent gouging and can be mounted outside or inside the side skirt depending on requirements.

Side Band Skirt Depth of 13 3/8" creates maximum flow of cut material



Deck Rings. (Industry First) 3/8" thick formed deck rings are welded to the under side of the decks. These rings prevent the blades from contacting the deck should a blade become bent. Deck rings have been standard on the Schulte XH models since 1992.

Schulte's Series 4, XH1500 and XH1000 Rotary Cutters offer unparalleled cutting performance for demanding commercial and agricultural use. Increased blade tip speeds and greater space under the deck contribute to clean cutting in all conditions. A center suspension system reduces stress to the rotary cutter and the tractor. Industry leading transport clearance improves performance in rough terrain. New low maintenance constant velocity tractor drive shafts require weekly, rather than daily service.

- ① Equal Angle Hitch (540rpm only)
- ② Precision Hitch
- ③ Pro Level Hitch
- ④ Standard Clevis Hitch

FLX-1510 Flex Arm

The Schulte FLX-1510 FLEX ARM has a number of unique features The FLX-1510 is not just a simple hitch frame. It attaches to the rotary cutter by means of a hitch tongue and strut so the rotary cutter does not pivot in relation to the arm. This feature allows the rotary cutter and FLEX ARM to be one unit. Maneuverability, especially when backing up is much better than competitive machines.

The Schulte FLEX ARM works with the rotary cutter to produce a better cut. There is just one castor wheel in front of the cutter, which is ideally located to ensure the best cut quality. When a tractor alone is used to pull the rotary cutter, there is a greater chance that the tractor tires will pack down material, especially on wet slopes, leaving an uneven cut. The FLEX ARM can be extended or retracted, while the tractor maintains a straight path, allowing the operator to easily clear obstacles. It does not require any additional CV assemblies, the tractor CV that comes with the cutter is moved forward. A parallel link system ensures that the front hitch section is always parallel to the rotary cutter allowing for tight turns both in working and in transport positions.



Placement of the tires are very important! The left tire tracks on top of the road. This creates a holding position to prevent side drafting. The right tire is placed directly on the hinge line of the center section and right wing, where the blades intersect. This is the best placement for a tire as the blades pick up the only wheel track and prevents almost all stripping. Competitive arms use two tires in the ditch and will tramp down more grass, causing it to strip.

FLEX ARM

Schulte's FLX-1510 sets the standard in offset mowing technology. It incorporates a set of swivel and one right angle gearboxes to allow smooth transmission of power in any direction from directly behind the tractor to fully offset to the right.



The Schulte FLX-1510 provides an offset arm that keeps the mower close to the tractor - only 10' away. This makes visual operation of the mower simple and easy unlike competitive designs.



A patented strut arm keeps the arm & mower as one unit. This patented strut arm, in conjunction with the castor wheels, makes movement around signs, bridges and obstacles as easy as a pull of a hydraulic lever. Backing up is a breeze as there is only one pivot point, unlike competitive units.

The Schulte FLX-1510 allows the tractor to travel on the road while the Schulte 10' or 15' cutter works on the ditch slope. Having the tractor operate from the top of the road reduces rollovers, reduces wear and tear on the tractor, improves operator visibility and greatly improves operator comfort.

Testimonials



ROMAN ALBERT - (Lot Maintenance Inc. Tulsa OK) "We were getting paid by the acre so we were always worried about production and cost per acre. We were having problems with competitive cutters. We tried the Schulte cutters and it didn't take us long to figure out that it was the cutter we wanted. We didn't realize how bad our previous cutters were until we put a Schulte on the ground."

"We think the Schulte cuts better period. It's unbelievable the quality of cut that we can get at what we would call a high rate of mowing speed. We get paid by the acre so productivity is a big deal for us, ground speed is a big deal for us. We've figured out when we look at the big picture, we go ahead and spend the money on the big tractors, and on the good cutters, by the end of the year we have recouped that investment several times over."



JOHN PELLICONE - (West Palm Beach, FL) "I am extremely pleased with the Schulte XH-1500 cutter. I cut water levy's around the Everglades in Florida and have put this Schulte mower through it's paces. It has never let me down and out performs any cutter I have ever used before. The quality and strength of this cutter is second to none. I can cut faster with the deep deck and the domed deck keeps the mower clean and free of water which is important in Florida. I highly recommend a Schulte XH-1500 to any one looking for a top quality mower."

MIKE LOOMIS - City of Hazelton (Hazelton, IA) "I use the FLX-1510 with a FX-1800 for mowing water treatment reservoirs, pond ditches and various lots and fields. I find the entire machine to be stable and that it turns in a short radius and never feels uncomfortable when mowing steep inclines. It has a very smooth operation when moving the Flex Arm in and out. I am very impressed with the cut and distribution of the machine package. The machine is very easy to service, and I especially like the pentagon blade bolt design."



Specifications

DESCRIPTION

XH-1500 Series 4

XH-1000 Series 4

Cutting width	180" (4.57m)	126" (3.20m)
Overall width	190" (4.83m)	139" (3.53m)
Overall length	192" (4.88m)	192" (4.88m)
Transport width, min	88" (2.24m)	88" (2.24m)
Transport height	88" (2.24m)	88" (2.24m)
Deck thickness	7GA (3/16") (4.6mm)	7GA (3/16") (4.6mm)
Side band skirt depth	13 3/8"	13 3/8"
Side band skirt thickness	1/4"	1/4"
Weight range, approx.	5550lbs (2500kg) - 6100 lbs (2750kg)	5100 lbs (2300kg)
Transport hitch weight, approx.	1900lbs (864kg)	1800lbs (800kg)
Minimum tractor HP	65 HP (52kW)	50 HP (45kW)
Recommended tractor HP	85 HP (67kW)	75 HP (60kW)
Cutting height	1.5 to 17.5" (38 to 144mm)	1.5 to 17.5" (38 to 144mm)
Ground clearance, transport	17" (444mm) (24" tires)	17" (444mm) (24" tires)
Cutting capacity	4" material (102mm)	4" material (102mm)
Blade overlap	6.5" (165mm)	6.5" (165mm)
Divider gearbox rating	260 HP (194kW)	260 HP (194kW)
Centre/wing gearbox rating	225 HP (168kW)*	225 HP (168kW)*
Blade tip speed,	540 rpm	540 rpm
Centre	848 rpm, 15,981 ft/min (4871m/min)	848 rpm, 15,981 ft/min (4871m/min)
Wing	986 rpm, 15,493 ft/min (4722m/min)	986 rpm, 15,493 ft/min (4722m/min)
Blade tip speed,	1000 rpm	1000 rpm
Centre	850 rpm, 16,022 ft/min (4883m/min)	850 rpm, 16,022 ft/min (4883m/min)
Wing	1002 rpm, 15,743 ft/min (4798m/min)	1002 rpm, 15,743 ft/min (4798m/min)
Wing working range	25° down to 90° up	25° down to 90° up

FLX-1510 FLEX ARM

Heavy duty 11L x 15, 12 ply tires with a load capacity of 4000 lbs., Cut directly in-line with the tractor or at any offset distance up to 122" (10.16ft), Large 2-1/2" castor pivot shaft, 6000 lb capacity 6 bolt hubs, Spring steel tension bushings and induction hardened pins at major pivot points, Minimum of three (3) hydraulic circuits required to operate the FLEX ARM with a 15' or 10' mower, If independent wing lift is required on a 15' mower then four (4) hydraulic circuits or the optional, selector valve kit is required, Heavy duty 3-1/2 X 36 welded hydraulic cylinder, Weight of the FLX-1510 is 2557 lbs, Safety lighting kit, Bolt-in replaceable axles, The arm can be easily detached from the rotary cutter by disconnecting the hitch and the stabilizer strut, Continuous power rating of 200HP at 1000 RPM, Accommodates 540 or 1000 RPM power delivery from the tractor, Optional six port selector valve kit for independent wing action or limited tractor hydraulic outlets,

Transport widths:

Arm and rotary cutter: 70" to the left of the tractor and 52" to the right for a total of 121"

Arm alone: 70" to the left of the tractor and 47" to the right for a total of 117"

Arm and rotary cutter with stop block installed on the transport lock bar: 55" to the left of the tractor and 66" to the right. In this



SCHULTE

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* Based on intermittent use.

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