

**SCHULTE**<sup>®</sup>  
INDUSTRIAL GRADE

**SERIES 4**



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

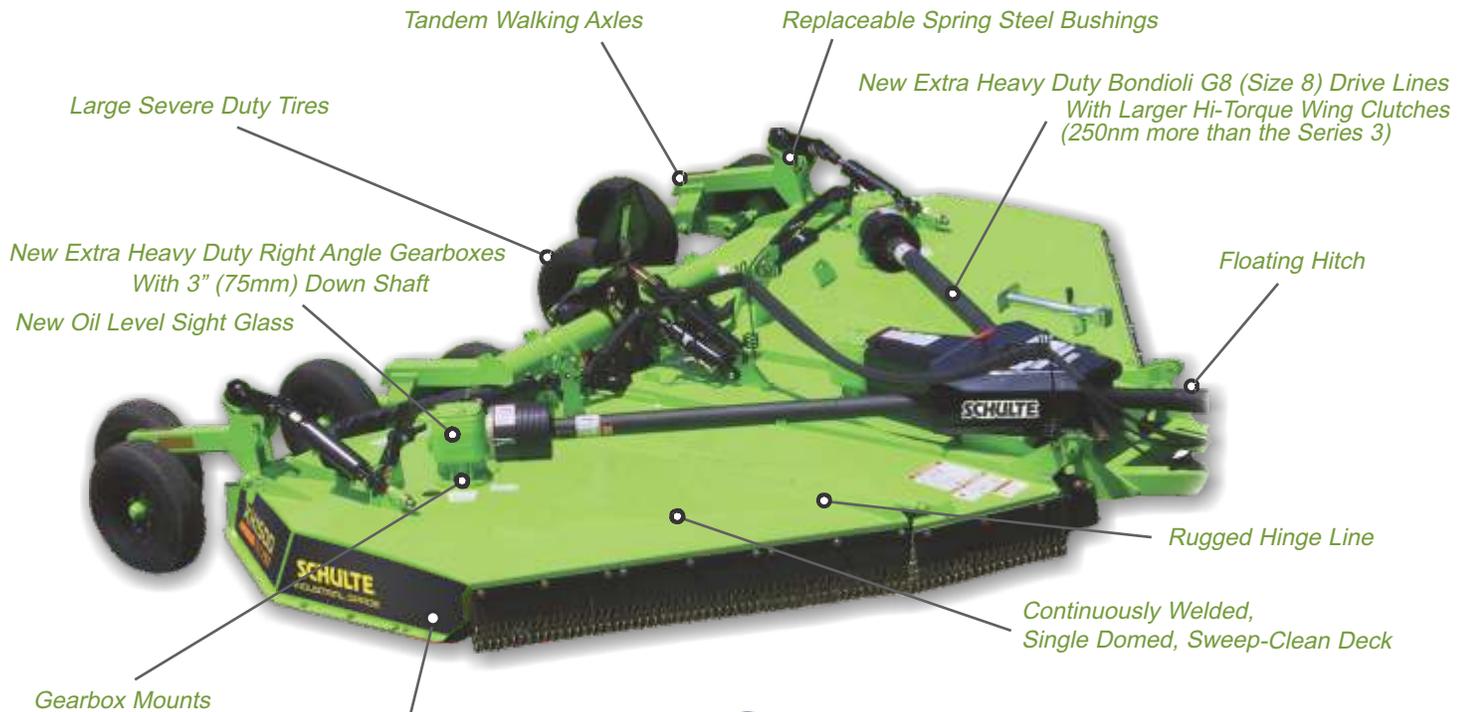
**The Best Bang for Your Buck  
in the Mowing Industry!**



**WORLD CLASS...BUILT TO LAST**

# XH-1500 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



**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.

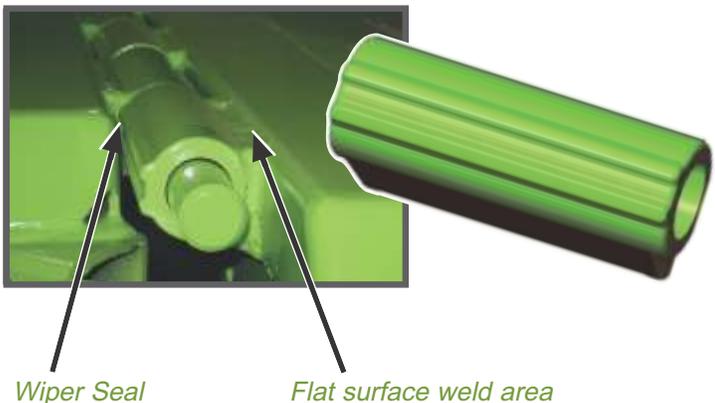
The **Walking Axle** uses a 1-3/8" hardened greasable pin along with two 2 inch long hardened spring steel bushings that are installed into the walking axle casting. This hardened pin and steel bushing combination will provide a long service life in the toughest of conditions. The walking axle suspension 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.



**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.

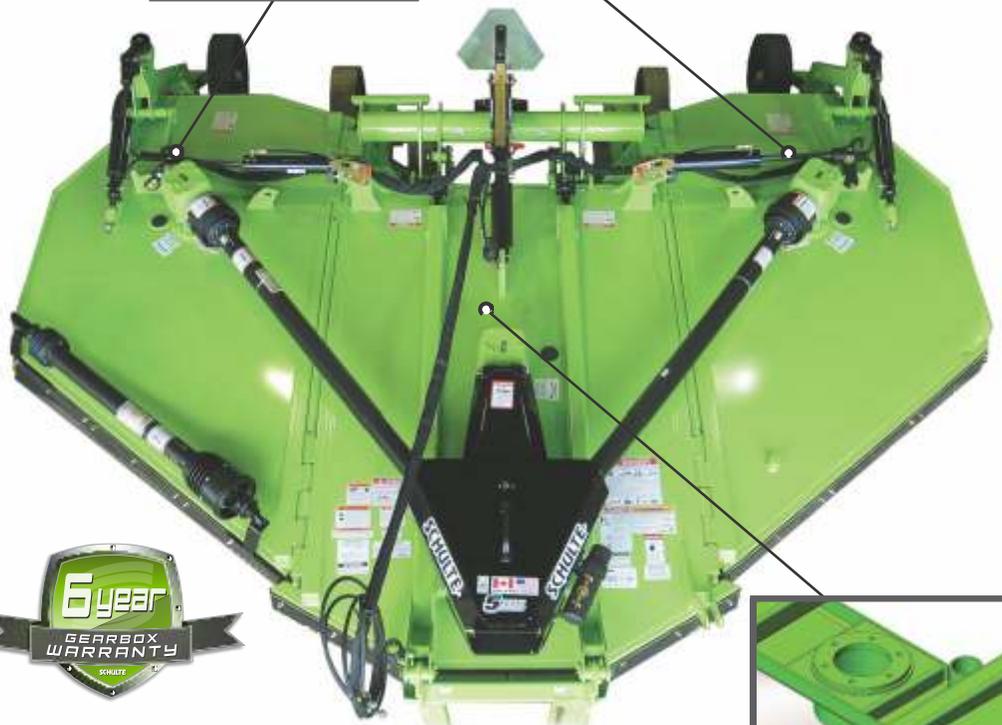
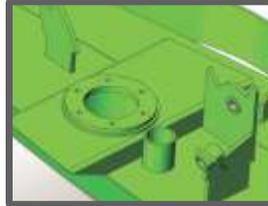
**Reinforced Wing Gearbox Mounts**

**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 Schulze cutter.



**Self Adjusting Forward Mounted Slip Clutches**



**Reinforced Center Gearbox Mounts**



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



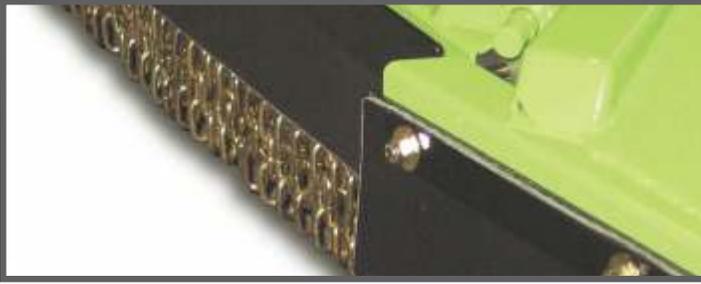
**225hp Right Angle Gearboxes**

Extra Heavy Duty 1 3/4" Input Shafts. 3" (75mm) Tapered & Splined Down Shafts. Six year limited gearbox warranty.



**New Gearbox Sight Glass**

Lets you easily check oil levels with a glance



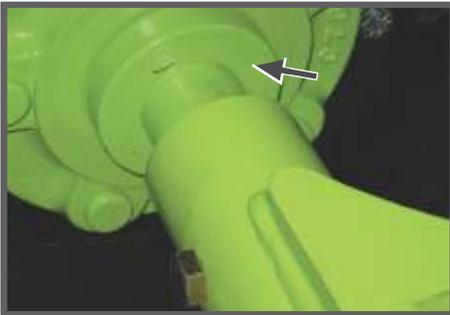
**Double Safety Chains** With individually replaceable links are standard equipment **Optional Front Rubber Belting** prevents blow of material and thrown objects



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

**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.

**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.



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

**Deck Rings.** (Industry First) 3/8" thick formed deck rings are welded to the 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.

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



**Center Lock up System**  
with adjustable depth stop which allows for narrower transport width



**Narrow Transport**  
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.

# FLX-1510 Flex Arm

*The new standard in offset mowing technology from the innovators of the best rotary cutters in the world! The Flex Arm Increases operator safety, comfort and performance, in fact operators who have had a chance to use the Schulte FLEX-ARM say comfort & safety are the best features! Increase operator safety, comfort and performance with the revolutionary Schulte Flex-Arm. The Schulte Flex-Arm allows the operator to travel on the road while his Schulte 10' or 15' rotary cutter cuts the ditch slope. The tractor does not have to ride on the ditch slope so rollovers are very low risk. As an added bonus, wear and tear on the tractor is greatly reduced. Visibility is improved. The operator is placed in a better position to view obstacles before they reach the rotary cutter. The FLEX-ARM and Schulte cutter can be used in wet conditions, which could make cutting more difficult if the tractor had to ride on the slope. Because of the unique way in which the FLEX-ARM is attached to the rotary cutter, it can be easily backed up to cut around approaches and other obstacles. Schulte 15' and 10' Flex wing rotary cutters incorporate a strut mount which allows the Flex Arm to become an integral component of the cutter and allows the two units to work as one. This greatly eliminates side draft from the cutter to the tractor and allows the two units to be backed up easily as if they were one unit.*



## Testimonials

**GERARD PALASCHUK - Mower Operator (Lipton, SK)** "I received our new FLX1510 flex arm and XH1500 Series 3 mower in the spring of 2011. I really likes how smooth the FLX-1510 Flex arm and XH1500 mower runs. There is no vibration, even when cutting directly behind the tractor. Also there is no side draft like the competitive unit we had before, which had worn a set of tires off the tractor in 2 seasons from the hard side pull. The Schulte mowers are well built and durable without being excessively heavy. They use bearings and bushings at all the wear points. The flex arm and mower take way less horsepower to operate effectively verses their past competitive unit."

**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."



# Testimonials



**KELLY HALL - C & H MOWING (Hebron, IN)** "We've found a mower that will stand the test of time, without a doubt the best mower we've ever had. We've been in business since 1983, we bought four Schulte mowers in '94 and a couple more in '97 and before we knew it they were all green, we didn't have any more red ones or yellow ones. The biggest thing we've found with Schulte over the competition we used prior to '94 is we didn't have to get the service truck out to the mow route every day when they'd be down for an hour or two once a week on average, if not more. When you're out on the highway getting paid by the job not the hour, you're not making money when they're sitting still. The series three has been almost bullet proof, that's on highway mowing you know, running 100 pound semi recaps and drive line knuckles through them. I've hit three bowling balls in my career, we test them out. I like to give credit where credit is due, you guys have a good product."

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**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 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."

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**BRIAN GIEFER - (Kindersley, SK)** "I run a FLX-15 and a 2008 Schulte XH-1500 series 3 for the RM of Kindersley and have been running this unit 2 years now. I like how the Schulte mower cuts, and when I followed the competitive mower and arm last year, sometimes I would have to go behind and clean up what it missed because it was stripping."

**SHELDON DEAN - (Kindersley, SK)** "I'm a mower operator for the RM of Kindersley #290 and have been running mowers for 3 years. Last year I ran a competitive mower/arm combination for 6 weeks. Now I am running the Left Hand FLX-1510 and the new Schulte XH-1500 series 3. I really like how smooth the new Flex Arm runs. It is handier than the competitive unit I used last year and easier to pull with very little side draft. The Schulte mower cuts better and doesn't leave strips or misses."



RM of Kindersley

# 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)*	210HP (157kW)
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 configuration the arm is 19" off center the stop block can be installed when working on narrow roads to improve clearance for oncoming traffic.



**Schulte Industries Ltd.**

P.O. Box 70, Englefeld, SK, Canada S0K 1N0  
 Tel: (306) 287-3715 Fax: (306) 287-3355  
 E-Mail: [info@schulte.ca](mailto:info@schulte.ca)  
 Visit our Web site at: [www.schulte.ca](http://www.schulte.ca)



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