

HALO

VRT / HSD

SALFORD

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SALFORD HALO IS BUILT ON A LEGACY OF INNOVATION.

HALO is Salford's new generation of tillage machines. A ground up redesign of frame technology that incorporates new combinations of ground engaging equipment, narrow transport, and quick set adjustments for faster, easier field setting.

HALO takes advantage of the latest in heavy equipment technology to advance Salford's legacy for durability and performance, employing maintenance free components and the latest in hydraulics and seal technology.



An aerial photograph of a field with rows of crops, partially obscured by a thick red diagonal stripe that runs from the bottom left towards the top right. The text 'TABLE OF CONTENTS' is positioned in the white area to the right of the stripe.

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HALO TILLAGE

For over 40 years Salford has been building durable, high-quality equipment with a performance advantage. Equipment designed and manufactured to help producers field their best.

HALO HSD and VRT are Salford's new generation of tillage implements combining agronomic performance with new equipment technology for fast operation, ease of use, lower maintenance and safer transport.

HALO VRT takes this revolutionary new tillage platform to the next level with hydraulically adjustable blades. This new machine allows producers to choose their tillage intensity on the fly, from the comfort of the tractor cab. Whether adjustments are needed in the field, from field to field or from season to season HALO VRT performs the work of multiple tillage machines on one simple to operate platform.

HALO VRT and HALO HSD are the latest series of tillage implements from the Salford Group.





EASY TO SET

Set your operating depth and finishing system pressure in seconds. HALO uses simple quick set hydraulic controls for fast, easy setup.



NARROW TRANSPORT

Compact frame design provides a safe and easy transport on the way to the field and between farms.



REAR FINISHING OPTIONS

A level seedbed maximizes planting and seeding performance and promotes uniform germination. Check out the “Finishing Systems” section to see the variety of option.



HEAVY FRAME

HALO's rectangular main frame is 6" by 6" tubular steel. All frame members are capped for maximum durability and longevity.



COLOR CODED OPERATORS STATION

Operator's convenience center features color-coded hydraulic hose grips and a weatherproof container for the operator's manual.



HYDRAULIC FORE & AFT ADJUSTMENTS

HALO's mainframe has a large pitch indicator easily seen from the cab that makes it easy to return to the same setting field to field.



FLOTATION TIRES

Flotation tires for maximum field flotation and safe transport, available in 550/45-22.5, 600/50-22.5 or 800/40-22.5 sizes depending on model size.



SINGLE POINT DEPTH CONTROL

HALO's quick set depth control allows for fast and easy adjustments to the tillage action.



WING DOWN PRESSURE

HALO's wings can be run with active down pressure. This keeps the machine operating level from side to side and ensures wings stay engaged in tough conditions.



ROLLER DOWN PRESSURE

The quick set hydraulic control on the rear finishing system regulates down pressure, enabling quick adaptation to field conditions.



VRT



HALO VRT

VARIABLE RATE TILLAGE

HALO VRT PERFORMS THE JOB OF MULTIPLE TILLAGE MACHINES FASTER.

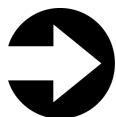
The HALO VRT, the industry's first variable-rate tillage system on a high-speed disk frame, has revolutionized tillage with its forward folding design and hydraulically adjustable blade angles for Spring and Fall operations. Combining agronomic efficiency with cutting-edge technology, it offers fast, easy, and safer operations with reduced maintenance. With adjustability of tillage intensity on the go, the HALO VRT streamlines the functionality of multiple tillage machines into one, enhancing productivity directly from the tractor cab. Built with Salford's renowned durability and a narrow transport design for easy field movement, the HALO VRT provides unmatched versatility and top-tier performance for every farm, field, and tractor.



BLADE ANGLE ADJUSTMENTS

Salford's HALO VRT allows for customized adjustments from 2°-15°.

These adjustments allow the HALO VRT to perform vertical tillage, seedbed preparation, residue management, fall tillage and everything in between.



HYDRAULIC ON-THE-GO ADJUSTMENTS

Hydraulic adjustments are made easy with the HALO VRT. All adjustments can be made in seconds with most being a simple push of a button. All adjustments have been optimized for maximum accessibility and ease of use.



EASY TO OPERATE

The HALO VRT is straightforward to adjust with single-point depth control, hydraulic leveling, and finishing tool pressure control, making it user-friendly. Its convenience station organizes and protects connections, with color-coded grips for easy tractor hookup.

The compact fold design ensures it's safe and simple to transport.



LOW MAINTENANCE DESIGN

Durable, sealed, maintenance-free hubs and finishing tool bearings mean reduced down time on the HALO VRT.

The HALO VRT has easily accessible grease points at the mainframe hinges, axles, wings, and roller frames.

HIGH SPEED DISK + ADJUSTABLE

HALO VRT

VARIABLE RATE TILLAGE



15°

RUN AT MINIMUM 2° ANGLE

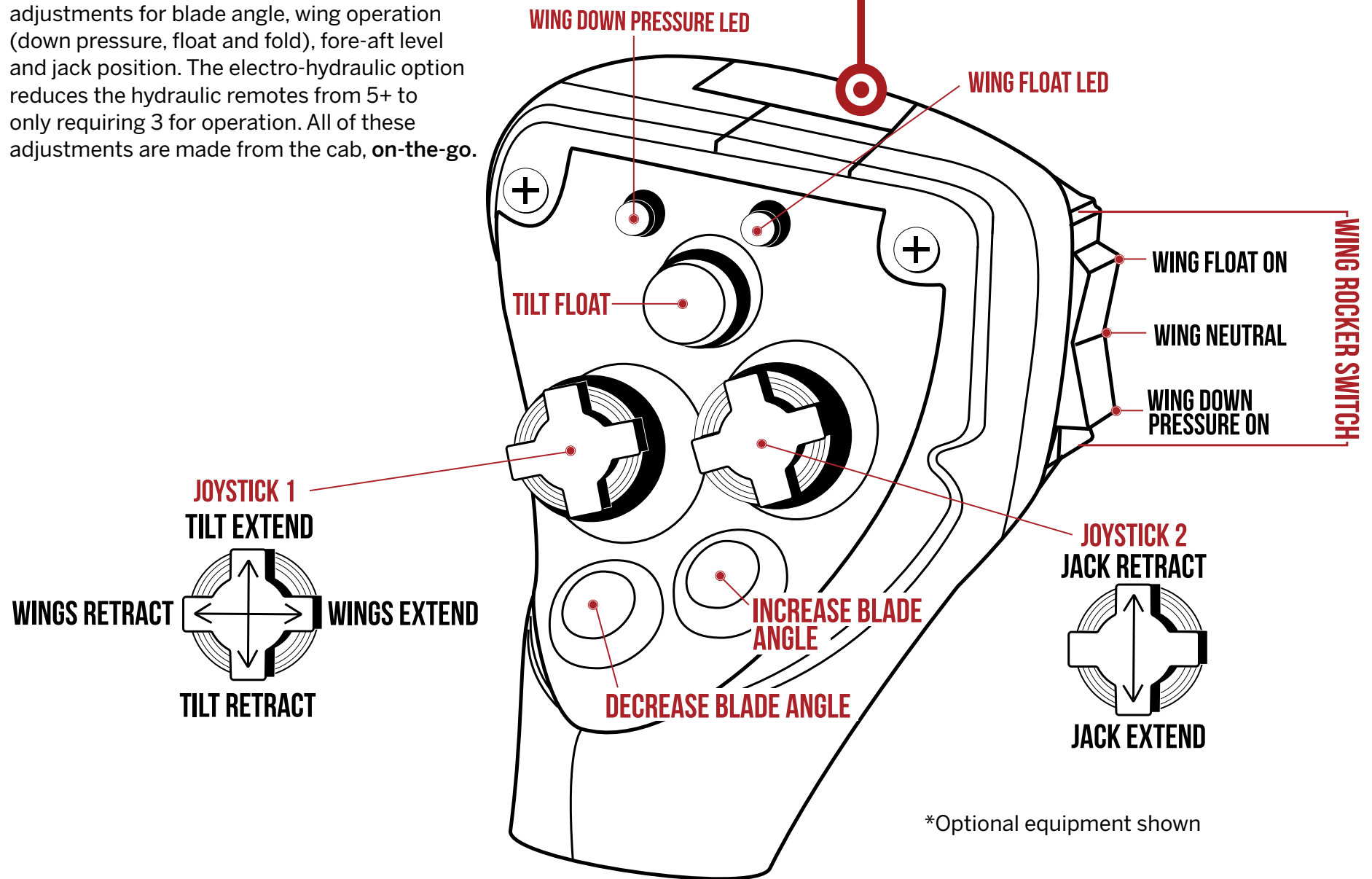
RUN AT MAXIMUM 15° ANGLE

2°

*This image has been enhanced to demonstrate the variable effect of the machine. Actual results may vary.

JOYSTICK CONTROL

The HALO VRT offers optional hydraulic adjustments for blade angle, wing operation (down pressure, float and fold), fore-aft level and jack position. The electro-hydraulic option reduces the hydraulic remotes from 5+ to only requiring 3 for operation. All of these adjustments are made from the cab, **on-the-go**.





HSD

HALO HSD

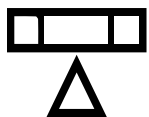
HIGH SPEED DISK

The HALO HSD is engineered for level operation at speed and with the clearance needed for tough conditions.

HALO HSD's individually mounted blades allow for maximum residue and soil flow, while the angled blade mounting arms are designed to keep the HALO HSD at depth in hard ground. HALO HSD has advanced hydraulic systems that are simple to operate. Fore/aft levelling, active down pressure, quick set depth control, and finishing systems all have hydraulic adjustment that are easy to use.

In the summer of 2020 the mid-west US faced a devastating derecho storm. The high speed winds from the derecho spawned an outbreak of low-class tornadoes. In addition, certain areas reported torrential rain and large hail.

This corn in Iowa was downed by the storm and the producer was not able to harvest their crop. The HALO HSD was able to clear the high volume of corn in the field, size the residue, and level the field.



SUPERIOR LEVELING

HALO HSD's superior leveling power starts with blades on a compound angle which helps the high speed disc's blades bite into the soil and stay at depth.

Option to run the wings with active down pressure or in float helps the HALO handle adverse conditions.

Salford's industry leading finishing options for leveling and durability.



HIGH SPEED & DURABLE

High clearance: independently mounted blades allow for excellent soil and residue flow through the machine.

Obstacle protection: independently mounted blades with rubber torsion suspension are capable of 7.5" of travel for obstacle protection in rough and rocky conditions.

Each 22" blade is independently mounted which absorbs the shock load and provides an even finish.



EASY TO OPERATE

The HALO HSD is simple to set! Quick set depth control, hydraulic fore/aft leveling and a quick set control for setting pressure on the finishing tool.

The operator station keeps implement connections protected, organized and at the operator's finger tips. The color coded hose grips take out the guess work when connecting Salford implements to the tractor.

The HALO's narrow forward fold design makes the machine safe and easy to transport.



LOW MAINTENANCE DESIGN

Durable, sealed blade hubs make for reduced maintenance on the HALO.

The HALO HSD has easily accessible grease points at the mainframe hinges, axles and wings.



DERECHO STORM, IOWA
HALO HSD CLEARING CORN FIELD

FINISHING SYSTEMS

HALO has a variety of finishing systems that are designed to meet your seedbed preparation and fall tillage goals. Each HALO finishing system is hydraulically controlled and has simple to set down pressure that creates the desired field finish.

HALO FINISHING SYSTEM COMPATIBILITY

	HSD	VRT
ADJUSTABLE PRESSURE CONTROL	✓	✓
23 IN. ROUND BAR CAGE ROLLER	✓	—
14 IN. DOUBLE ROLLER	✓	✓
HD 14 IN. DOUBLE ROLLER	✓	✓
SEMI-PNEUMATIC RUBBER ROLLER	✓	✓

ADJUSTABLE PRESSURE CONTROL

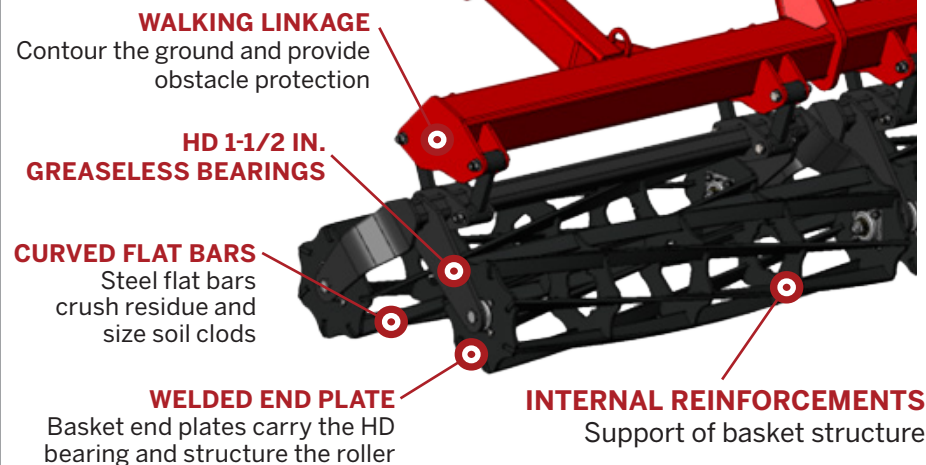


Down pressure on the HALO's hydraulically adjustable finishing systems is controlled by a valve on the tongue of the machine.

Once the desired down pressure is set the operator is able to raise and lower the machine right from the tractor cab.

14 IN. DOUBLE BASKET & HD 14 IN. DOUBLE BASKET

Standard rolling baskets are equipped with 3/8in. flat bars and end plates. **HD rolling baskets are upgraded to 1/2in. thick steel** for greater durability and residue processing.



23 IN. ROUND BAR CAGE ROLLER

1-1/2 ROUND BAR
Large, durable round bars leave a textured field finish

CENTER SHAFT
The heavy rollers center shaft provides extra durability

HD BEARING
2-7/16 in. 4 bolt flange bearing carries the heavy duty cage roller

WELDED END PLATE
Cage end plates connect the HD bearing and structure the roller

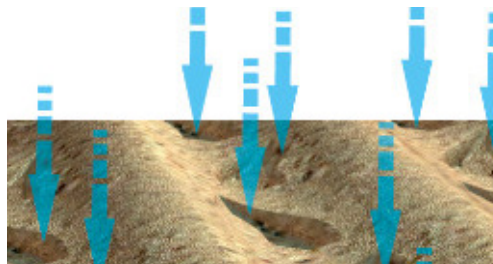
INTERNAL REINFORCEMENTS
Support of cage structure

SEMI-PNEUMATIC RUBBER ROLLER



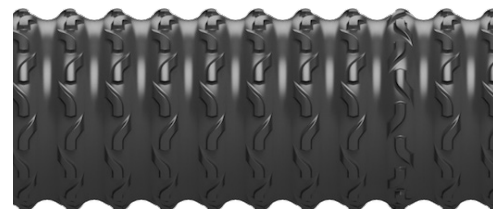
ADJUSTABLE REVERSIBLE SCRAPER

- Rollers are equipped with scrapers for clearing sticky soil and residue.
- Made from long life, wear-resistant steel.
- Reversible to extend their service lifetime.
- Three quick adjustment positions:
 - Engaged for working.
 - Flipped up for easy service.
 - Disengaged if not required.



FIRM SEEDBEDS & MANAGE MOISTURE

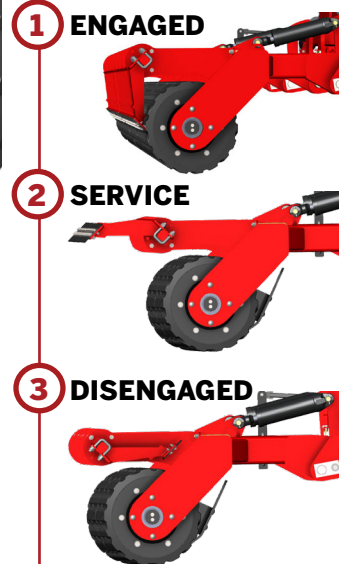
- Rubber roller features a unique wave design to trap moisture and reduce crusting.
- Semi-pneumatic roller designed to break up soil clods and gently firm soil.
- Improves seed to soil contact when preparing seedbeds.
- Excess water flows away in channels created by the wave design.



WAVE-PROFILE FLEXIBLE ROLLER

- Flexible roller sheds sticky soil effectively.
- Excels in a variety of soil types, including heavy clay and gumbo soils.
- Minimizes damage from rocks and obstacles in the field.

QUICK ADJUST SCRAPER POSITIONS





56N

56N SERIES

COVER CROP SEEDER

Salford 56 series offer versatility, speed, and efficiency for cover crop seeding. The new 56N models have been specifically engineered to bring those benefits to narrow folding equipment like Salford's HALO tillage line.

The 56N allows growers to easily seed where it's needed. You can cover an entire field to reap the benefits of a cover crop across your land or pick or choose specific areas where you want extra erosion protection, such as waterways and high erodible hill sides.

Pairing the 56N with a HALO, growers will perform two different operations in one pass, complete seeding faster than with a conventional drill, and reduce acres used on the drill; which typically has more wear parts and expensive components.

	5056N	7056N
Capacity (cu. ft.)	50	70
Capacity (lbs.) (Assuming 43 lbs./cu.ft.)	2150	3010
Number of outlets	16	24
HALO Size Compatability	20 ft., 25 ft., 30 ft.**	35 ft., 40 ft.**
Control	ISOBUS control standard	
Hydraulic Requirements	13 GPM	
Section Control	2 section - Electric Clutch	
Size (HxLxW)*	78.5 x 74.25 x 37.5 in.	80.5 x 75 x 49.5 in.

BENEFITS OF COVER CROPS

- **IMPROVE SOIL HEALTH**
Cover crops boost soil health by improving tilth and organic matter. Deep roots like those of brassica break up compact soil, enhancing permeability, aeration, water infiltration, and overall crop growth.
- **CUT FERTILIZER COSTS**
Utilize nitrogen-fixing cover crops to prevent nutrient runoff and enhance soil fertility. This process adds atmospheric nitrogen to the soil, benefiting commercial crops like corn, reducing costs.
- **BETTER WEED CONTROL**
Cover crops out compete weeds for essential resources, smothering them as they decompose. Some even release compounds that chemically inhibit weed growth, leading to increased yields.
- **PREVENT SOIL EROSION AND PROTECT WATER QUALITY**
Cover crops act as a natural barrier against wind and water erosion. The roots anchor the soil, keeping it in place, while also fixing nutrients and organic matter.
- **CONSERVE SOIL MOISTURE**
Through rotation or inter-seeding, cover crops help the soil retain moisture, enhancing soil structure, adding organic matter, and shading the soil surface to reduce evaporation.

The machine cannot be transported while loaded. The HALO cannot be transported over 20 mph.

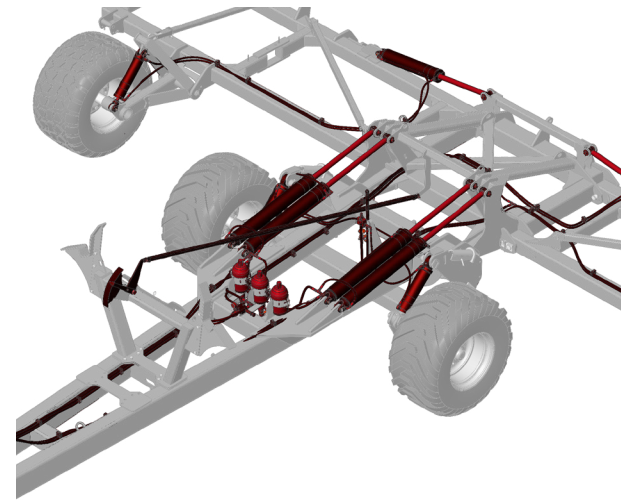
*56N dimensions are for an un-mounted unit and do not include the operator platform and ladder.

**The recommended spacing is 20 inches between outlets, but can safely vary to match the HALO series working widths.

AGRONOMY

IMPROVE GERMINATION & EMERGENCE

HALO is engineered for level operation in tough conditions and the hydraulic system is designed to prevent “hopping” in the field at high speeds, which is a common issue with similar frame designs. Keeping uniform depth helps planters and seed drills run smoothly at higher speeds and improves uniform germination and emergence.



SUPERIOR FINISH

Salford tillage equipment is renowned for their finishing systems. HALO offers a variety of finishing options and simple hydraulic pressure adjustment to quickly create the ideal field finish in almost any soil and residue conditions.



UNIFORM RESIDUE MANAGEMENT

HALO's ground engaging equipment and finishing systems condition residue by sizing and evenly distributing it. The conditioned residue breaks down faster and helps planters and seed drills run quickly and efficiently.

HALO models uniformly mix the soil and residue to promote good seed to soil contact.



Reese Ivers, Ivers Farms
@iversfarms

"Reason I go to [the HALO VRT & 56N Seeder] is the versatility of it. You can change the blades as your soil conditions change or how much residue is on top of the ground changes, whether you're going bean stubble to corn stubble and it's all just right at the tip of your fingers using your hydraulics."



Photo includes producer's custom equipment decals.
Not available for retail sale.

HALO VRT MODEL SPECS

ALU VRT MODEL SPECS	15 foot	20 foot	25 foot	30 foot	35 foot	40 foot
Weight LBS.	12,300	18,800	21,500	28,350	31,200	34,100
Driving Interval	14 ft. 2 in.	19 ft. 1 in.	24 ft. 1 in.	29 ft. 2 in.	34 ft. 1 in.	39 ft. 1 in.
Blade Size	22 in.	22 in.	22 in.	22 in.	22 in.	22 in.
Blade Quantity	36	48	60	72	84	96
HEIGHT						
Roller Cylinder Extended	13 ft. 2 in.	13 ft. 8 in.	13 ft. 10 in.	13 ft. 8 in.	13 ft. 9 in.	13 ft. 9 in.
Roller Cylinder Retracted		14 ft. 9 in.	15 ft. 2 in.	15 ft.	15 ft. 1 in.	15 ft. 1 in.
WIDTH						
Roller Cylinder Extended	9ft. 10 in.	12 ft. 11 in.	12 ft. 11 in.	13 ft. 9 in.	13 ft. 9 in.	13 ft. 9 in.
Roller Cylinder Retracted	9ft. 10 in.	11 ft. 3 in.	11 ft. 3 in.	11 ft. 11 in.	11 ft. 11 in.	11 ft. 11 in.
Frame Sections	2			3		
Mainframe Structure	6 in. X 6 in. tubular steel			6 in. X 6 in. tubular steel		
Hitch Structure	8 in. X 8 in. tubular steel	6 in. X 8 in. tubular steel		6 in. X 10 in. tubular steel		
Tires, Mainframe	550/45-22.5	600/50R-22.5		600/50R22.5	800/40R-22.5	
Tires, Wings	-	-	13.5L-15X31	500/50R-22.5		
Draw Bar Hitch	CAT 3 or CAT 4 Standard or Ball Hitch			CAT 4 or CAT 5 Standard or Ball Hitch		
Jack	8,000 lbs. manual jack			Hydraulic jack with manual ball valve		
Hydraulic Remote Valves Required	5			5 + Hydraulic Jack		
Number of Hydraulics Required	3					
Electro-Hydraulic Joystick Option						
Finishing Options	<div><div><ul style="list-style-type: none">• Double 14 in. rollers• Heavy duty double 14 in. rollers</div><div><ul style="list-style-type: none">• Semi-Pneumatic Rubber rollers (800/50-22.5 main tires for 30 ft. size) This option adds 6 in. to transport height.</div></div>					

STANDARD FEATURES

- HP requirements 11-18 hp./ft. depending on working depth
- Working depth up to 1 - 5 in.
- Operating speed of 8 mph. (min) to 14 mph.
- 22 in. 25 wave low concavity blades
- Net 5 in. spacing; 10 in. spacing per row
- 4 piece rubber torsion suspension on coulter mounts
- Blade Hubs: Double tapered roller bearing, multi-lip sealed, maintenance free
- Hydraulic quick set depth control
- Active roller down pressure
- Hydraulic fore/aft levelling with accumulator protection
- Hydraulic wing down pressure
- Hydraulic quick set finishing tool pressure
- Minimal dealer set up required for finishing tool assembly. Must pin on finishing tools; hydraulics are pre-plumbed.
- Optional gauge wheels on 20 ft. models

HALO HSD MODEL SPECS

Weight LBS.	15,440	19,300	26,100	27,800	29,100
Driving Interval	19 ft. 1 in.	24 ft. 1 in.	29 ft. 1 in.	34 ft. 1 in.	39 ft. 1 in.
Blade Size	22 in.	22 in.	22 in.	22 in.	22 in.
Blade Quantity	48	60	72	84	96
HEIGHT					
Roller Cylinder Extended	12 ft. 6 in.	12 ft. 7 in.	13 ft. 5 in.	12 ft. 11 in.	13 ft. 3 in.
Roller Cylinder Retracted	13 ft. 9 in.	13 ft. 10 in.	14 ft. 5 in.	14 ft. 0 in.	14 ft. 4 in.
WIDTH					
Roller Cylinder Extended	12 ft. 11 in.	12 ft. 11 in.	13 ft. 9 in.	13 ft. 9 in.	13 ft. 9 in.
Roller Cylinder Retracted	11 ft. 3 in.	11 ft. 3 in.	11 ft. 11 in.	11 ft. 11 in.	11 ft. 11 in.
Frame Sections	2		3		
Mainframe Structure	6 in. X 6 in. tubular steel		6 in. X 6 in. tubular steel		
Hitch Structure	6 in. X 8 in. tubular steel		6 in. X 10 in. tubular steel		
Tires, Mainframe	600/50-22.5		600/50-22.5		800/40-22.5
Tires, Wings	-	13.5L-15X31	500/50R-22.5	550/50-22.5	
Draw Bar Hitch	CAT 3 or CAT 4 Standard or Ball Hitch		CAT 4 or CAT 5 Standard or Ball Hitch		
Jack	8,000 lbs. manual jack		Hydraulic jack with manual lockout ball valve		
Hydraulic Remote Valves Required	4		5 - Includes hydraulic jack		
Finishing Options	<ul style="list-style-type: none">• Large cage roller• Double 14 in. rollers• Heavy duty double 14 in. rollers		<ul style="list-style-type: none">• Semi-Pneumatic Rubber rollers (800/50-22.5 main tires for 30 ft. size) This option adds 6 in. to transport height.		

STANDARD FEATURES

- HP requirements of 12-18 hp/ft. depending on working depth
- Working depth 2 - 5 in.
- Operating speed of 8 mph. (min) to 14 mph.
- Front row: compound 14° open angle & 22 in. smooth low concavity blades
- Rear row: compound 17° open angle & 22 in. notched low concavity blades
- Net 5 in. spacing; 10 in. spacing per row
- Blade Hubs: Maintenance free, multi lip sealed, double tapered roller bearing
- 4 piece rubber torsion suspension on coulter mounts
- Hydraulic wing down pressure
- Hydraulic quick set depth control
- Hydraulic quick set finishing tool pressure
- Hydraulic fore/aft leveling with accumulator protection



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SALFORD FIELD YOUR BEST



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