




Variable Tine Harrow System

SOILSTAR SHX-760, 60' / SHX-784, 84'

- 
- Heavy duty 12" X 12" tubular frame
 - Harrow includes a seven bar design with three sets of 5/8" at the front and four of 1/2" tines with industry leading 28" length
 - Wider harrow spacing allows for better material flow and distribution
 - Active hydraulic up or down pressure controlled either manually or through a cab mounted monitor
 - Robust "A" frame hitch design allows for easy maneuverability
 - Angle adjustment of the harrows from 0 to 6 degrees

World Class *Built to Last*

schulte.ca

SHX-760 SHX-784 Variable Tine Harrow

SHX-760 SHX-784 Variable Tine Harrow System

Professional producers require harrows capable of managing residue even in the toughest of conditions at various times of the year. The Schulte SHX line of harrows accomplishes that with their unique seven bar harrow tine design and layout along with Field Finish On Demand™. The new 60 foot SHX-760 & 84 foot SHX-784 are the only harrows to offer a combination of heavy and light tines to move ground more aggressively, break up straw, improve material distribution and create that desired field finish. The Field Finish On Demand™ hydraulic harrow pressure system allows you to optimize your field finish requirements. The Schulte SHX line of harrows offers great versatility for post-harvest residue management and pre-seeding soil bed preparation.

SOILSTAR™
Variable Tine Harrow System With Field Finish On Demand



SHX-760 SHX-784 Variable Tine Harrow

Excellent Material Management

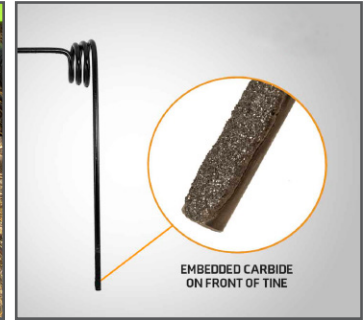
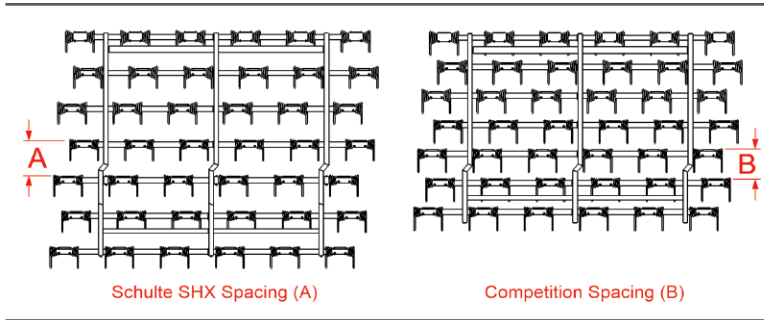
The SHX's unique seven bar harrow uses three front rows of 5/8" x 28" tines and 4 back rows of 1/2" x 28" tines. This layout allows the harrow to be more aggressive at the front with the desired field finish and material distribution at the back. This configuration also helps the tines to wear more evenly and last longer, as the front tines of a harrow wear quicker than the rear tines. The SHX harrows have increased the harrowing action/movement at the tip of the tine by lengthening the tine to 28" over the more traditional 22" on other machines on the market. We've also increased the tine row spacing and tine spacing across the width of the harrow, providing better material flow and distribution resulting in an improved field finish.



Three front rows of 5/8" x 28" tines



Four back rows of 1/2" x 28" tines



Tines use the MAX LIFE process which applies weld-embedded tungsten carbide, creating the toughest, most economical and longest-lasting tools available

On Demand™ Field Finish System

A key feature of the new SHX-760 & SHX-784 is its Field Finish On Demand™ system. To control the amount of force exerted by the harrows on the ground, there are two options: Manual Hydraulic and Electronic Hydraulic. Both options use cylinders mounted between a parallel arm system to provide either positive or negative pressure. Negative pressure will lift the harrow sections reducing the force exerted on the ground for working in high straw loads or damp conditions. Positive pressure will increase the force exerted on the ground for more soil disturbance and incorporation. The manual version has a valve on the hitch that adjusts pressure while the electronic version uses a monitor mounted in your cab.



Before

After

A shorter hitch allows for better maneuverability and is made out of 10" x 6" x 3/8" tubing with 1/2" gusset plates to ensure overall robustness.

The SHX's main tube carrying the centre harrow is made out of 12" x 12" x 3/8" tubing and the wings are 12" x 12" x 1/4". This improves durability and provides the necessary weight to be aggressive with the harrows, eliminating harrow bounce and reducing downtime in any field conditions. The negative pressure option and heavy construction of the machine allows you to run the harrow under tough/damp difficult conditions, increasing efficiencies by allowing you to go faster and for longer.

The SHX has a hydraulic lock for the wing tension links and safety lock pins to eliminate inadvertently actuating the cylinders engaging the wings during field operation.



Heavy Cast Main Frame Knuckle



Hydraulic lock for wing tension links



Optional Field Finish On Demand electronic control monitor



Pitch angle control gauge



Hydraulic harrow control cylinder mounts between the parallel link arms and all pivot point use greaseless bushings for ease of service

Specifications

SPECIFICATIONS

Working Width
Transport Width
Transport Height
Transport Length
Weight
Harrow Sections
Width of Sections
Harrow Layout
Harrow Tyne Options

Harrow Angle Adjustment
Harrow Tube Spacing
Harrow Tyne Spacing
Pressure Adjustment
Frame Pitch Adjustment
Tires
Hubs
Main Boom Tubing
Number of Hydraulic Outlets
Active Hydraulics Options

Safety Lighting, SMV, Chains
Horsepower Required

SHX-760

60 ft
15 ft
15 ft
45 ft
21,000 lbs
5
12 ft
7 bar
3 front rows 5/8" x 28" with tip
4 back rows 1/2" x 28" with tip
Or
All rows 1/2" x 28" with tip
32 - 90 degrees
16 in
1 23/32"
Positive / Negative
0 - 6 degrees
560/45 22.5 Radials
8 bolt - 10,000lb
12" x 12" x 1/4"
4
Manual Control
Electronic In-Cab Control
Standard
5-7 per foot width

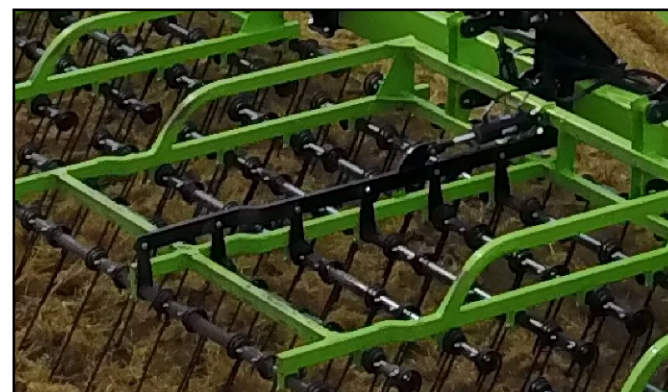
SHX-784

84 ft
15 ft
15 ft
58 ft
27,000 lbs
7
12 ft
7 bar
3 front rows 5/8" x 28" with tip
4 back rows 1/2" x 28" with tip
Or
All rows 1/2" x 28" with tip
32 - 90 degrees
16 in
1 23/32"
Positive / Negative
0 - 6 degrees
560/45 22.5 Radials
8 bolt - 10,000lb
12" x 12" x 1/4"
4
Manual Control
Electronic In-Cab Control
Standard
5-7 per foot width



Steerable wing wheels allow the unit to easily go in or out of transport mode.

The tires are 560/45 22.5 radials.



Hydraulic harrow tine angle adjustment

SCHULTE

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