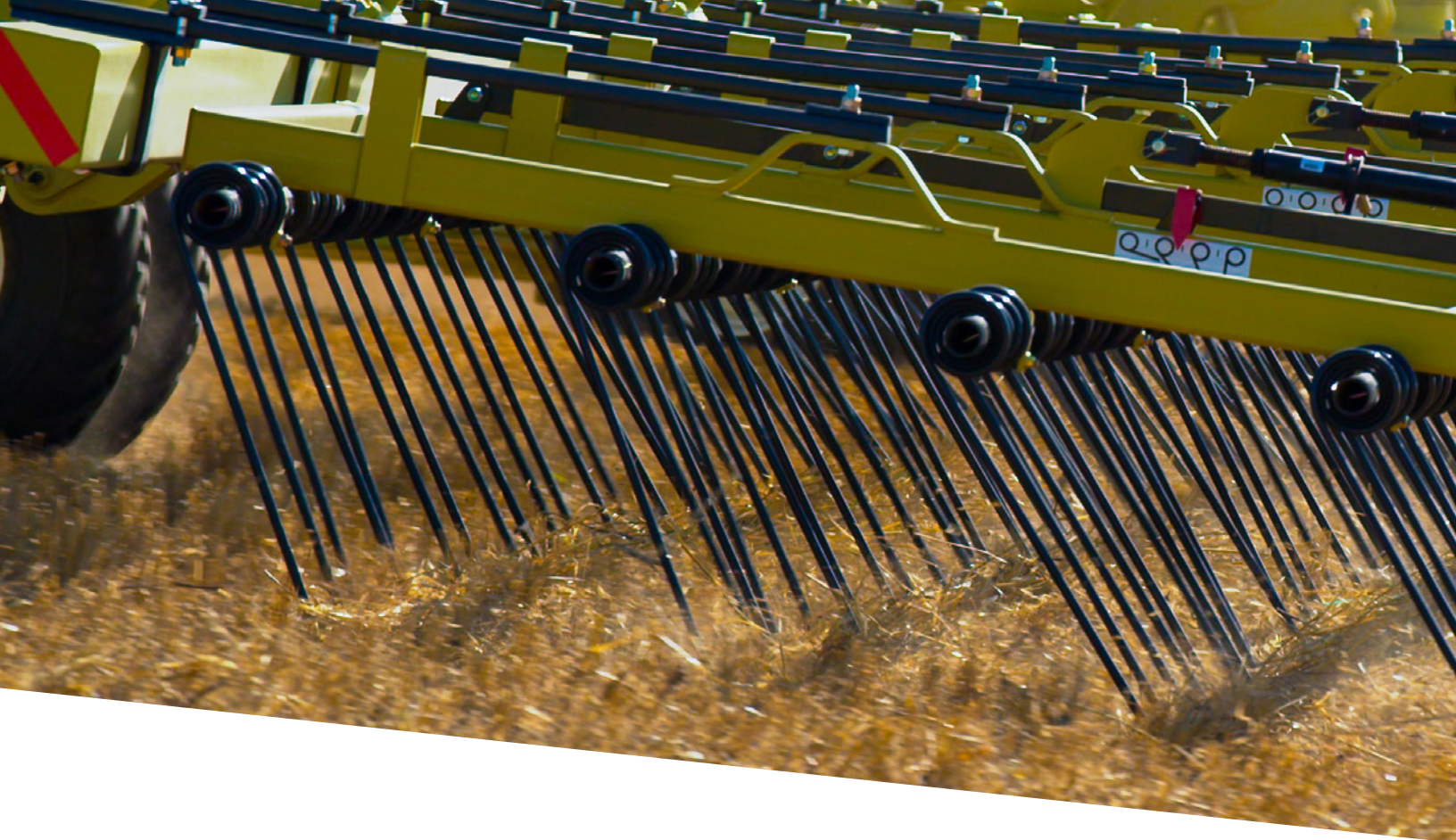


Degelman

STRAWMASTER

SERIES OF HEAVY HARROWS





DESIGNED TO TACKLE ENORMOUS STRAW PROBLEMS

High Performance Harrow

With farming practices evolving and modern combines handling trash better than ever, the way that farmers and producers view their straw management needs has changed. With the Strawmaster series of heavy harrows, Degelman has listened to the needs of some of the most progressive and influential growers to offer many different options to fit your unique farming operation. From tackling enormous straw problems with the legendary Strawmaster, conditioning the field with less ground disturbance with our Strawmaster + equipped with 7 rows of tines, or even performing a light tillage job with our Strawmaster Pro & Strawmaster X. Degelman has established itself at the forefront of modern straw management.

Engineered Tough

At Degelman, we are passionate about getting it right. We know that farm tools with the least amount of moving parts last longer, and this is why simplicity is at the heart of the Strawmaster design. Our reputation is built on developing strong, reliable, generational equipment that will be on your farm for years to come. We believe that less is always more.





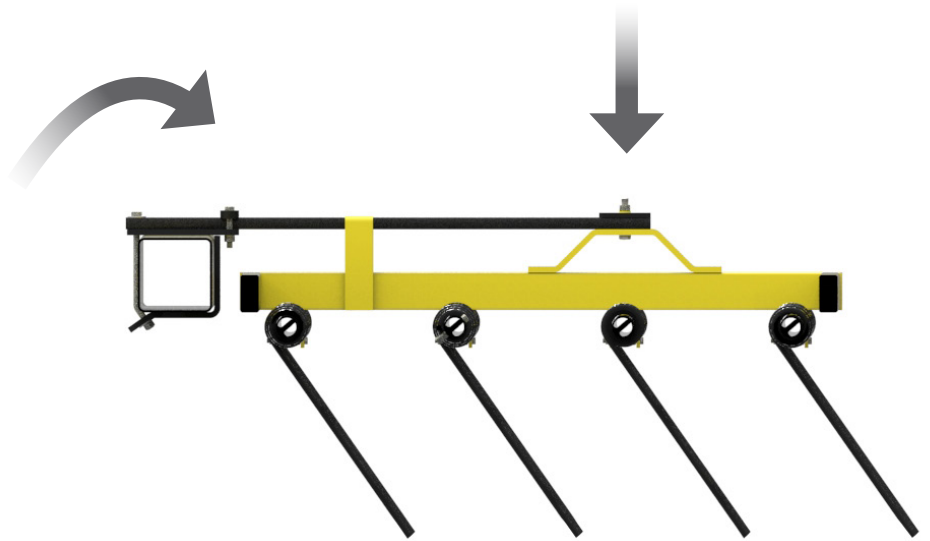
Solid Truss Autofold

The solid truss on the Strawmaster series of heavy harrows allows for sharp turning while maintaining a rigid connection between the hitch and wing sections - no breaking cables. This simple and effective system allows you to back up and maneuver out of tight situations.



Patented Torsion Technology

At the heart of all Strawmaster harrows is Degelman's often imitated, never duplicated, torsion technology. Simply rotate the 8" x 8" beam hydraulically and apply more pressure through the spring bars. This gives you the control and flexibility to make the Strawmaster work the way you want it to.



Oversized Flotation Tires

We believe the bigger the rubber, the better. That's why all Strawmaster series of heavy harrows are equipped with oversized, high flotation tires. We only select tires designed with good self-cleaning characteristics, which is suitable for on and off-the-road agricultural service on trailers and implements. The high load capacity and low inflation pressure of the tire results in high degree of agricultural soil protection, as well as low rolling resistance on both, on and off-road uses. Its strong nylon construction and compounds ensure long life.

Easy, Drop-Out Tine Replacement

The tine bars easily drop out by removing a few bolts making the replacement fast and easy.



Ground Contouring

Under float or under pressure, the harrow sections are designed for flexibility. The torsion spring bars are positioned along the sides of the harrow frame providing an even distribution of pressure to the frame. The bars can then flex in response to counter pressure from the land contours with each section rising over hills and falling into hollows.



EXCLUSIVE TUNGSTEN CARBIDE ENDURA-TIP LONG LIFE, MAXIMUM PERFORMANCE

Degelman's tungsten carbide Endura-Tip is exclusive to Degelman Strawmasters. Significantly increasing the life and performance of your harrow bar, the tungsten carbide tipped harrow tines maintain their original length and shape, resulting in enhanced control and a more consistent field finish.





Tungsten Carbide.
Consistent Field Finish.
Enhanced Control.
Best Overall Value.

*Strawmaster Pro tine measuring
30" after 100,000+ acres

26" or 30" of Vibration

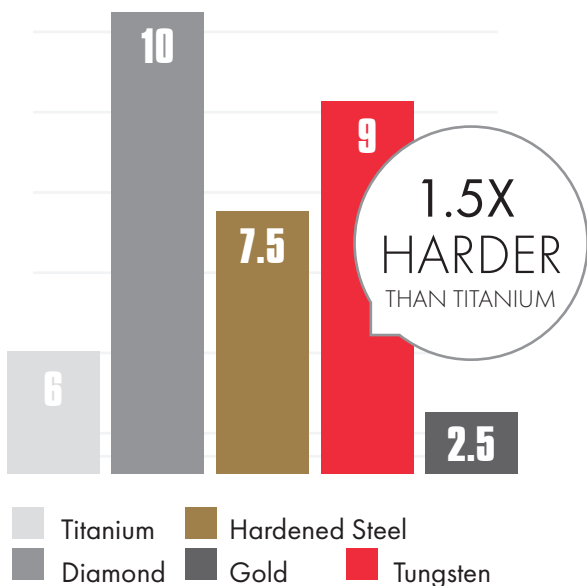
Perfectly engineered for movement.
Creating the maximum amount of mixture,
leaving a fine, flawless seedbed.

Cutting Edge

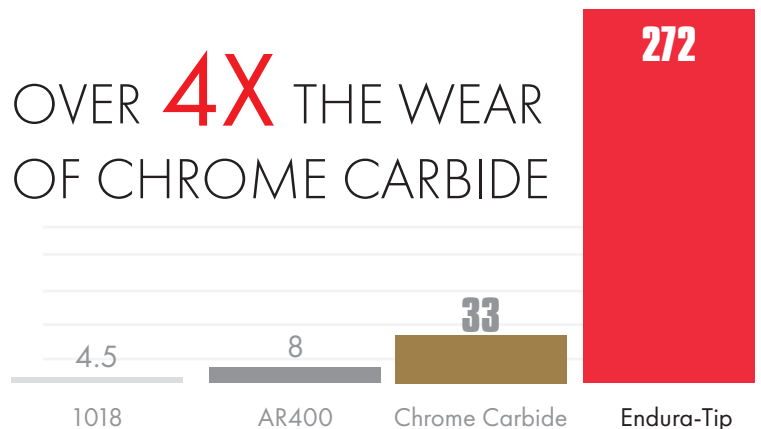
The sharp corners of the square tungsten carbide tip act as cutting edges, chopping and mixing at a far superior rate than that of traditional round tine tips.

Tungsten Carbide

Simply the best tines available on the market today. At 1.5 times the hardness of titanium, our tungsten carbide tine tips are proven to last 8 – 10 times longer than our competitors.



OVER **4X** THE WEAR
OF CHROME CARBIDE





TRUE GREASELESS TECHNOLOGY

Put away the grease gun. We know the window for spring and fall work is quick and unforgiving. Give yourself the upper hand with Degelman's game changing True Greaseless Technology.

Farming operations are becoming bigger and more complicated every day. We know time is money, and that today's growers have more to worry about than greasing their equipment. We have invested time and money, and are committed to bringing True Greaseless technology to all products we develop. Our industry leading True Greaseless Technology is featured on our Strawmaster Pro, Strawmaster X, and Strawmaster + heavy harrows

Pin Eye cylinders

The welded pin eye cylinder series is designed to withstand the most demanding applications on the market today. Lion's extensive design experience has resulted in a premium rephasing cylinder with the latest in sealing and rephasing technology and standard Lion1000 induction hardened rods for the ultimate in corrosion protection and durability.



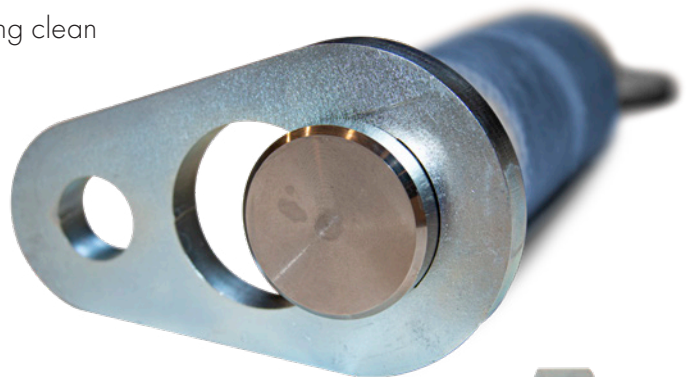
Exclusive Self-Lubricated, Zero-Maintenance Bushings

No metal on metal contact with our state of the art bushings. These bushings, manufactured from a friction liner applied on a glass fiber structure, have excellent friction properties and improved wear resistance without external lubrication even on high loads.



Bushing Seal

The wiper edge removes even the toughest dirt and contaminants from the pin, keeping the system running clean and at its peak performance. The metal enclosure ensures a secure fit in the open housing, preventing expulsion of the wiper even under extreme conditions.



Oversized Electroless Plated Nickel Pin

At 1.5" - 3" in diameter, these high tensile steel pins are 60% larger than any other pin on the market. With the robust weld free pin design, you don't have to worry about a weld breaking and stopping you from getting your work done.





STRAWMASTER

The Degelman Strawmaster is engineered tough and designed to tackle enormous straw problems. Available in 5 row; 26" x 5/8" tines or 7 row; 26" x 1/2" tines equipped with tungsten carbide Endura-Tip tines. Set in large ten foot wide sections, this machine is at the forefront of modern straw management. The Strawmaster series of heavy harrows will shatter straw, control weeds, rake flax straw, and incorporate seed and chemicals.



KEEP IT SIMPLE

MINIMAL PARTS - MINIMAL MAINTENANCE

The Degelman Strawmaster features 5 rows of 5/8" tines to offer the perfect balance of soil disturbance and straw management. You can also equip the Strawmaster with 7 rows of 1/2" x 26" tines with 1-7/16" spacing built on the same frame heavy enough to handle the toughest conditions.

The patented spring bar technology is at the heart of every Strawmaster. The simple torsional spring bar design is unlike other heavy harrows. Strawmaster uses a spring bar system that lets you apply downward pressure to the harrow sections as you need it. These twin spring bars allow in-cab hydraulic control by applying pressure from zero to 1900 pounds per harrow section. If you don't need pressure, just put it in float.

7 Rows Offers 68% More Ground Engagement

Equipping the Strawmaster with 7 rows gives you approximately 68% more ground coverage in the field. It's combination of ground engagement and tine vibration can manage your crop residue without disturbing too much soil and losing moisture in the fall. In the spring you can break up lumps and clods and loosen the soil, which leaves a superior field finish and seedbed for seeding or planting.

Fast, Simple Adjustments

From the bottom up, Strawmaster was designed to hold and shatter straw, follow contour, rake flax residue, seed, control weeds, pack and spread residue evenly. To do this effectively, proper frame and tine angle adjustment is always important. When you're harrowing a variety of crops under different field conditions, fast and easy adjustment is critical.

Breaking and Spreading Straw

The primary purpose of the Strawmaster is to break up and spread most types of straw residue efficiently. High frequency vibration provides the shattering action for perfect residue control. For most farming practices, speeds of up to 12 mph can be attained.

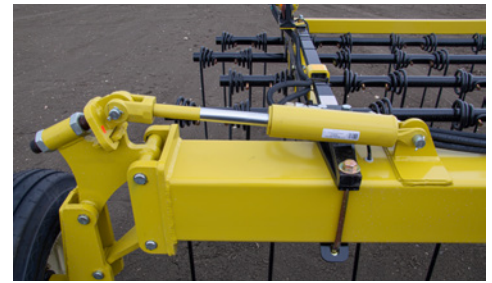
Raking

The Strawmaster is quickly becoming the most popular machine for raking flax straw. It can maximize holding capacity by applying pressure through the spring bar control.



Endwheel Leveling Adjustment

The end wheels have been designed with the user in mind. Through a unique parallel linkage, the wheel height is set by a couple of turns of a ratchet jack. It's that easy. If your harrow is configured with a Hydraulic Tine Angle Kit, this includes two 2-1/2" x 8" cylinders for hydraulic endwheel adjustment.



SPECIFICATIONS

5 Row Model	SM30	SM50	SM70	SM82
Widths Available	30’	50’	70’	82’
Weight	7,700 lbs	11,360 lbs	13,940 lbs	15,238 lbs
Horsepower (min)	100	150	200	300
Horsepower (ideal)	150	200	300	350
Transport Length	32’	42’	52’	58’
Harrow Sections	3	5	7	9
Wing Beam	N/A	8” X 8” X 1/4”	N/A	8” X 8” X 3/4”
Tires - Transport & End Wheel	11 L x 15 Highway	11 L x 15 Highway	12.5 L x 15	12.5 L x 15
Transport Hitch Weight		0	-155 lbs (upwards)	-330 lbs (upwards)
All 5 Row Models				
Transport Width	14’ - 7”			
Transport Height	10’ - 6”			
Rows of Tines	5			
Tine Spacing	18” Centers			
Tine Section Frame	2” x 4” x 3/16”			
Tine Size	5/8” x 26” Standard, Carbide Endura-Tip			
7 Row Model	SM50	SM70	SM82	
Widths Available	50’	70’	82’	
Weight	11,700 lbs	16,080 lbs	18,400 lbs	
Horsepower (min)	285	400	475	
Horsepower (ideal)	325	450	525	
Transport Length	42’	52’	58’	
Harrow Sections	5	7	9	
Wing Beam	8” X 8” X 1/4”	8” X 8” X 1/4”	8” X 8” X 3/8”	
Tires - Transport & End Wheel	11 L x 15 Highway	12.5 L x 15	12.5 L x 15	
Transport Hitch Weight		-300 lbs (upwards)	-600 lbs (upwards)	
All 7 Row Models				
Transport Width	14’ - 7”			
Transport Height	11’ - 6”			
Rows of Tines	7			
Tine Spacing	14” Centers			
Tine Section Frame	2” x 4” x 1/4”			
Tine Size	1/2” x 26” Standard, Carbide Endura-Tip			
All Models				
Trailer Frame	4” x 8” x 1/4”			
Tine Replacement	Easy Drop-Out Tine Bar			
Hydraulics - Auto-Fold	3-1/2” x 31” x 2” Rod			
Hydraulics - Center Beam Lift (optional)	3” x 8” x 1-1/4” Rod			
Hydraulics - End Wheels (optional)	2-3/4” x 8” x 1-1/4” Rod			
Hydraulics - Tine Angle (optional)	Re-Phasing(incremental sizes)			
Tires - Main Cart	16.5L x 16.1			
Optional Wheel Upgrade	550/45-22.5			



STRAWMASTER +

**ADD UP ALL OF THESE FEATURES AND YOU'LL SEE
WHY IT'S CALLED STRAWMASTER +**

The all new Strawmaster + was designed from the ground up to provide the ultimate field finish. Available in 4, 5, and 7 row configurations, the Strawmaster + can be customized to match your specific needs. Combined with our carbide Endura-Tip tines, the Strawmaster + is unlike any harrow on the market today.



Robust Wing Beams

At the heart of the machine are the robust 10x10 wing beams. These provide consistent beam torque and tine pressure throughout the machine, and help spread straw evenly for a more consistent field finish.



Increased Power for Tine Angle

Our re-configured cylinder set up gives you increased power for tine angle. When conditions are tough, have the confidence knowing that the Strawmaster + will have the power to manage and spread the straw as you need.





USER FRIENDLY TRANSPORTATION

Easily Switch to Transport Position

The re-designed inboard transport/wing wheel assembly makes it effortless to go in and out of transport position. Spring and fall work time is short, we want to make sure you can get from field to field quickly and efficiently.



Narrow Transport Width

The Strawmaster + has a narrower transport width than our previous Strawmaster series - coming in at 12' 6". The inboard transport/wing wheel assembly allows for the machine to follow the tractor more closely, making it easier to get in and out of narrow trails into the field.



Customized Field Finish

There are three setting indicators on the Strawmaster +. One for cart height, one for beam torsion and one for tine angle. Knowing exactly how your machine is running is key when getting your desired field finish.



No Cables Required

Large hydraulic latches hold on to the truss arms securely to ensure safe operation in field position.



Available in 4 row, 5 row, and 7 row configurations

- 4 row features 5/8" x 30" tines
- 5 row features 5/8" x 26" tines
- 7 row features 1/2" x 26" tines



SPECIFICATIONS

Model	SM+ 90
Width	90'
Weight	22,340 lbs (5 row) 23,770 lbs (7 row)
Horsepower(min)	500
Horsepower(ideal)	550
Transport length	65'
Harrow sections	9
Wing beam	10"x10"x1/4"
Cross joints	2" vertical 2-1/2" horizontal
Tires	550/45R22.5
Hitch weight	+110 lbs (min)
Transport width	12'6"
Transport height	13'6"
Trailer frame	6"x8"x1/4" & 4"x8"x3/8"
Rows of tines	4, 5, 7

*For more detailed specs and sizes, visit www.degelman.com



PRO-CAST

PRECISION GRANULAR APPLICATOR

HIGH PERFORMANCE CHEMICAL & SEED INCORPORATION



Tank

- Concealed platform and ladder
- Plastic fan housing
- Thread on lid
- Bulk bag support frame
- Access gate to empty tank
- 45 degree slope sheets ensure complete clean out
- Steel tank



Metering system

- Simple calibration
- High accuracy
- Easy to adjust metering wheels
- Polyurethane housing
- Stainless steel components
- ISOBUS interface



More Features

- Tank level indicator
- Calibration door indicator
- Cab monitor
- Equipment harness
- Metering control switch
- Bulk bag support frame (optional)



STRAWMASTER X

The Strawmaster X Disc Harrow, with disc on command technology gives you the ability to cover large acres at high speeds in a large working width. Built off the impressive Strawmaster+ frame, the design allows for more tillage than a traditional heavy harrow, but less aggressive than a high speed disc. The Strawmaster X will size residue, while still leaving some standing material to catch snow.



DISCS ON COMMAND

The Adjustable angle of 0 – 14 degrees on the discs give you the ability to blacken the soil which warms up the field quicker in spring for seeding, speeds up drying in wetter years and allows material to break down over winter.

In drier years, lift the discs out of the way and use as a traditional 4 bar harrow.



Simple Disc Harrow Design

After years of testing we have found that one row of 20" discs at 10" spacing combined with 4 bar harrow sections equipped with 30" tines (that's the same as our Strawmaster Pro) resists plugging in wet conditions and allows material to flow through the machine more freely.





Engineered and Built Tough

At the heart of the machine are the robust 10x10 wing beams. These provide consistent beam torque and tine pressure throughout the machine, and help spread straw evenly for a more consistent field finish.



DESIGNED TO ADAPT TO YOUR UNIQUE CONDITIONS

Disc Angle Adjustments

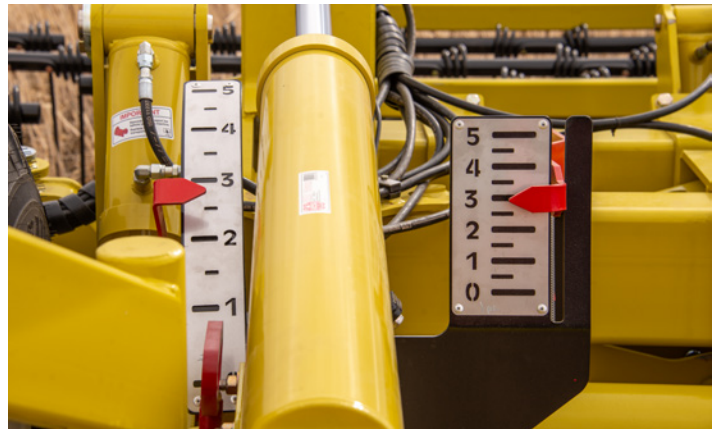
Having the option to change the disc angle allows you to use the machine in various conditions.

- 0-4 degrees with a coulters disc will allow you to open the ground and cut trash with minimal soil disruption.
- 5-7 degrees is good for mixing some dirt with residue while loosening the soil but still leave stubble standing to catch snow.
- 8-10 degrees is perfect for working low spots with high trash.



Setting Indicators

There are three setting indicators on the Strawmaster X. One for cart height, one for beam torsion and one for tine angle. Knowing exactly how your machine is running is key when getting your desired field finish.





Get To Work

Get in and out of the field quicker than ever before. The inboard transport/wing wheel assembly features large flotation tires (500/60-22.5) that hydraulically operate to make sure you're back to work faster than ever before.

The Strawmaster X transport width of 12' 6" and height of 13' 6" makes getting down grid roads safer and easier. The unique end wheel design follows the tractor better than traditional harrows, making it easier to turn into more narrow approaches.

SPECIFICATIONS

Model	SMX70
Width	70'
Weight	35,640 lbs
Horsepower(min)	500
Horsepower(ideal)	550
Transport length	55'
Harrow sections	7
Wing beam	10"x10"x1/4"
Cross joints	2 1/2" vertical 3" horizontal
Tires	560/60R22.5 500/60R22.5
Hitch weight	-790 lbs
Transport width	12'6"
Transport height	13'6"
Trailer frame	6"x10"x3/8" & 4"x10"x1/2"
Rows of tines	4
Disc Spacing	10"
Disc Size	20"
Disc Angle	0° - 14° variable

*For more detailed specs and sizes, visit www.degelman.com



STRAWMASTER | PRO

HIGH PRODUCTION FIELD CONDITIONER

In today's farming, time is precious. We have lots of land to cover with a relatively short growing season. Our leading farmers have been waiting for a tool to help warm the soil and promote effective seed germination. The Strawmaster Pro, with its incredible tine penetration not only rakes straw, but has the ability to move more soil than a traditional harrow, blackening up the field. This stimulates plant growth when it's most critical. The Strawmaster Pro is more than just a harrow.





Massive 12x16x3/8" Wing Beams

From first glance you'll see that the Strawmaster Pro is built different. The oversized wing beams are the foundation that allow the machine to run over large acres at high speeds efficiently and effectively.



Unique Adjustment for Harrow Sections

The Strawmaster Pro is equipped with an adjusting rod and arm located on a rubber dampening system. This will allow for harrow frame sections adjustment to ensure that they are running parallel to the ground.





Hydraulic End Wheels for Easy Folding/Unfolding

The end wheels are controlled independently from inside the cab for easy folding/unfolding of the machine. The tires can also be independently used to assist in turning into sharp/narrow approaches in your fields.



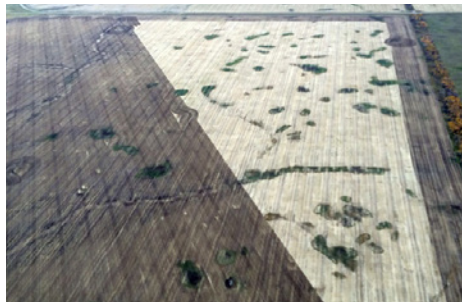
Oversized Latches

Like all Strawmasters there are no cables on this machine. The large, oversized latches ensure that you can visibly see that your machine is locked in and ready to hit the field.



HARROWING BECOMES LIGHT TILLAGE

The Degelman Strawmaster Pro is revolutionary; designed for both straw management or light tillage applications. When you combine the extraordinary weight of the machine with 30" long tines placed in 4 rows, this machine is beyond any other harrow bar. The Strawmaster Pro will shatter straw, control weeds, rake flax straw, and incorporate seed and chemicals or act as light tillage.



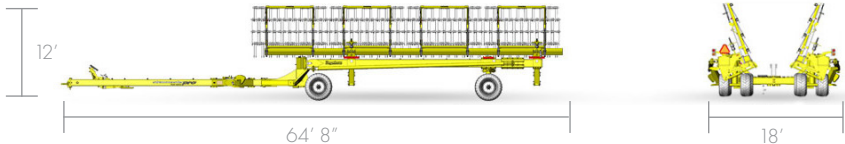
The Strawmaster Pro offers the ability to provide a range of field finishes. You can run the machine in float and condition the field at speeds over 12 mph. You can also easily adjust the Hydralink system while in the field to an "Aggressive Harrow" setting to move more dirt and act as light tillage.



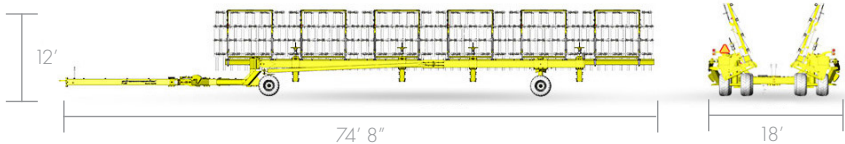
SPECIFICATIONS

Model	SMP80	SMP100	SMP120
Widths Available	80'	100'	120'
Weight	37,300 lbs	45,900 lbs	48,300 lbs
Horsepower (min)	400 hp	450 hp	560 hp
Horsepower (ideal)	440 hp	550 hp	620+ hp
Transport Hitch Weight	3,455 lbs	3,780	3,750
Transport Length	64'-8"	74'-8"	84'-2"
Harrow Sections	8	10	12
All Models			
Transport Width	18'		
Transport Height	12'		
Trailer Frame	6" x 10" x 3/8"		
Wing Beam	12" x 16" x 3/8"		
Section Beam	8" x 8" x 3/8"		
Rows of Tines	4		
Tine Spacing	24" Centers		
Tine Section Frame	2" x 4" x 1/4"		
Tine Size	5/8" x 30" Carbide Endura-Tip		
Tine Replacement	Easy Drop-Out Tine Bar		
Hydraulic Outlets	4		
Hydraulics - Transport	2-1/2" x 16" x 1-1/2" Rod		
Hydraulics - Beam Lift	4" x 24" x 2" Rod		
Hydraulics - Auto-Fold Latch	2" x 4" x 1-1/4" Rod		
Tine Angle Adjustment	Ratchet Jack		
Adjustable Down Force	Hydraulic		
Hitch Lift	Hydraulic		
Tires	328 High Speed Flotation 550/45 - 22.5		

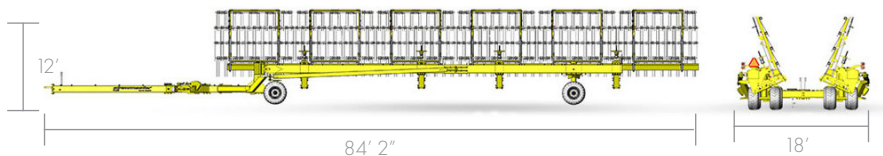
80'
STRAWMASTER | PRO
HIGH PRODUCTION FIELD CONDITIONER



100'
STRAWMASTER | PRO
HIGH PRODUCTION FIELD CONDITIONER



120'
STRAWMASTER | PRO
HIGH PRODUCTION FIELD CONDITIONER



Degelman

ENGINEERED TOUGH

www.degelman.com