

Degelman



PRO-TILL[®]

HIGH PERFORMANCE TILLAGE



WE'VE CREATED

A Revolution in Tillage. Pure and Simple.

Introducing Pro-Till® by Degelman. The fastest and most versatile piece of tillage equipment you will ever own. Pro-Till® shreds heavy fall residue, opens up spring fields, levels ruts, destroys clods and produces an absolutely perfect seedbed. Pro-Till® is simply the tool of choice for tillage.

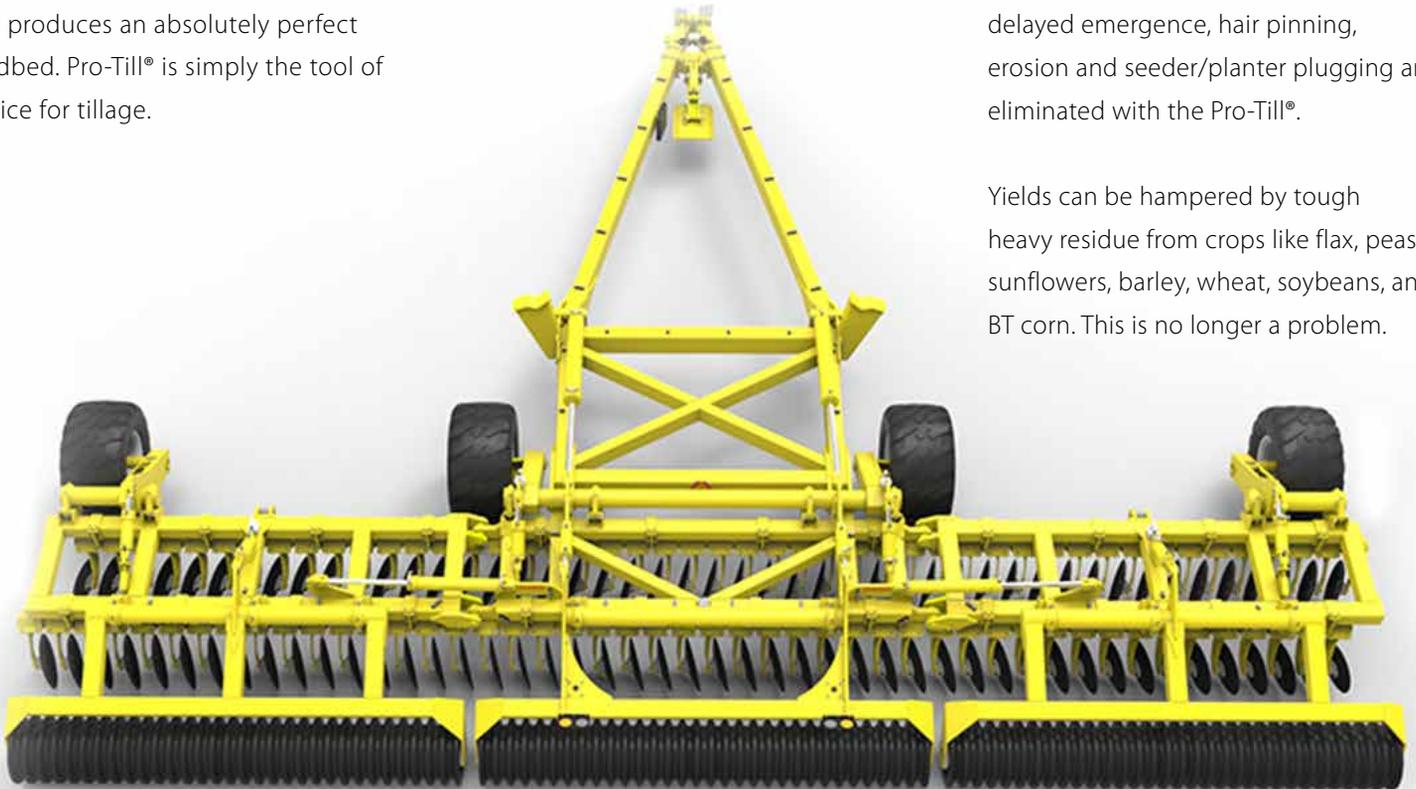
Degelman Simplicity

Degelman designers are passionate about getting it right. Farm tools with the least amount of moving parts will simply last longer. Degelman is renowned for building overbuilt and under complicated equipment. Less is always more.

Cultivate over 10mph

The Pro-Till® shreds residue at speeds over 10 mph, up to three times the speed of traditional cultivators while ensuring uniform distribution of residue, critical for no-till rotations. Problems such as poor residue distribution, uneven emergence, delayed emergence, hair pinning, erosion and seeder/planter plugging are eliminated with the Pro-Till®.

Yields can be hampered by tough heavy residue from crops like flax, peas, sunflowers, barley, wheat, soybeans, and BT corn. This is no longer a problem.



Patents pending. Degelman Industries Ltd.



Pro-Till® is ideally pulled fast - 10 to 14 mph fast. Our patent pending combination of independent disc arms, with small diameter shallow discs, motion dampening rubber suspension, sturdy frame and cutting edge consolidating rollers allow this tillage tool to slice through residue as never seen before. Pro-Till® will cut, weed, throw and mix soils at incredible speeds and usually in one pass. This is a true residue-killing machine.

Level Ruts, Instantly

Pro-Till® is your single spring and fall solution to tillage needs. Pro-Till® is ideal for field finishing, leveling and filling ruts and tracks in the spring or fall. Today's heavy tractors, trucks, sprayers, grain carts and center-fill planters can produce deep compacted ruts that seriously restrict roots growing space, inhibiting yields and potentially damaging expensive equipment.

The Degelman Pro-Till® compact disc cultivator has just the right amount of dirt carrying capacity to level almost any field. One or two additional cross direction passes may be required to completely level and fill the most severe ruts.





Independent Disc Technology

Degelman designers pride themselves on bringing forth not only rigorously tested equipment but also innovative designs that support the needs of farmers. The Pro-Till® disc system provides the maximum amount of trash clearance by removing the gang and providing independent shallow discs that slice and mix soils. More room between the discs means more trash flow.

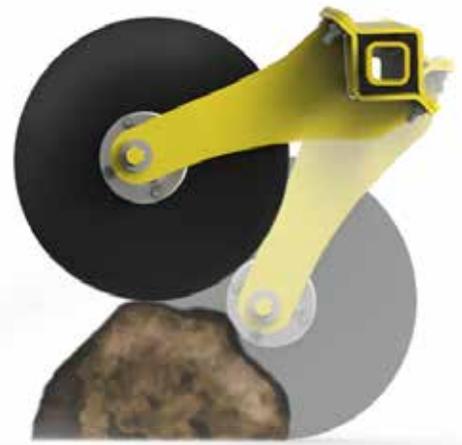
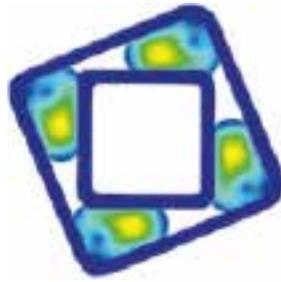


Prepare your Seedbed Fast.

Seedbed preparation is the very foundation for a strong growing season. Ideally, robust biological activity is enhanced through the accepting, storing and transmitting of water, gases and nutrients. Pro-Till® high performance cultivation levels ruts, crushes clods and mixes residue to create a perfect fine tilth seedbed.

Rubber Suspension Disc Arms Flawless Rock Protection

Pro-Till® disc arms are preloaded using four natural rubber spring elements that allow the disc to skate over severe stones, yet perfectly follow the contours of the land. When a stone is encountered, the rubber elements compress automatically dampening the impact and providing protection while immediately springing the disc back into operation.



Maximum Trash Flow

The discs have a shallow face to eliminate compaction layers and the high tensile strength steel arms provide maximum flow through with three times the spring back of normal mild steel.

Traditional disc gangs are severely limited by their ability to process residue and level properly. They can plug very quickly during wet seasons, are limited in speed, cannot resist rocks and due to their deeper tillage have a tendency to bring clay soil to the surface.



Weight is Inherent in the Overbuilt Frame

Weight equals penetration. Without it, the discs will ride out of the ground if soil conditions are too hard. In order for the discs to work well in hard soil and heavy trash conditions an adequate downward force is required. Other machines require extra weight stacks, but the 32,000 lb. Pro-Till® cultivator carries this weight in the frame where it should be.

Wet or Dry. Work in the Most Challenging Conditions

A Pro-Till® cultivator has the unique ability to cultivate and warm the soil during cold wet conditions when all other forms of tillage plug and fail.

In the midst of a long wet spring, getting seed in the ground to allow adequate time for the growing season is critical. Heavy cold soils need to be black and warm for ideal germination conditions. In as little as one day and after one pass, frigid heavy residue soil is cut, turned, mixed, reactivated, warmed, topically dried and ready for planting/seeding. Pro-Till® in the spring can mean the difference between success and failure.



Unsurpassed Flotation

Degelman Pro-Till® uses BKT FL-630 Plus High Flotation radial tires, offering an extremely wide footprint area for maximum performance in wet soil conditions. The shape of the contact area is specially designed to minimize the impact on soil structure. A non-directional tread design enables higher traction and the same performance in both drive directions.



BKT FL-630

Floating Self-Contour Technology

Degelman's floating section design allows the Pro-Till® to "Self-Contour" as it follows the curvature of the varying terrain. The independent wing sections allow horizontal contouring for steep inclines or downward slopes up to 8 degrees. The contour angles between the front frame and rear center section also provide excellent front to back flexibility to help traverse demanding hills and valleys. This floating, self-contouring design coupled with the Pro-Till® independent discs help produce a flawless, uniform field.



Walk Away From Trouble

A unique benefit of the Pro-Till® cultivator is the ability to completely rotate the frame and rear disc sections off the ground. Together with the impressive weight distribution of the four oversized high flotation tires, operators can back up, drive forward, unplug, or walk away from your predicament.



Safe and Sound

The Alliance's high volume radial flotation tire series was designed to optimize the efficiency of agriculture transportation. The 382 series includes all steel construction and a deep non-directional block pattern which enables high mobility in the field as well as comfortable high-speed transportation.



Alliance FLOTRUCK



Maintenance Free Disc Bearings

Real world conditions can be harsh. Our unique Pro-Till® bearings withstand constant vibration, high shock and severe loads. They are maintenance free. These long life double-row angular contact ball bearings are designed

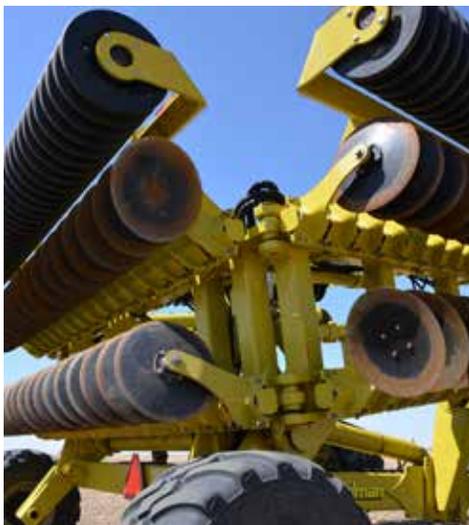


Two grease reservoirs located between the seals ensure that the seal lips are permanently lubricated and therefore prevent dry running. After extensive use the bearing housing itself can be changed quickly and easily with one bolt.



Perfect Seedbed for Seeding and Planting

A uniform, slightly consolidated yet corrugated surface is a perfect seedbed. Clods and bigger elements are broken and consolidated into the soil with the finer loose elements. The soil is now evenly distributed and sized allowing seeders, planters, drilling discs or coulters to get in and do their job. Uniform seedbed packing provides uniform placement and seed depth. Planting and seeding speed and positioning will be greatly improved due to the vertical and horizontal even structure of the soil. The ridged shape of the rollers creates highly consolidated valleys and less consolidated ridges creating the perfect bed for seed propagation.





Cage Roller

In dry, non-sticking soil conditions, the Degelman cage roller ensures any clumps that may be left behind are disintegrated, providing an even, accessible seedbed with moderate consolidation. The helical solid shafts are the largest in the industry; at 1.5" in diameter they provide superior protection against rocks and any other debris that may pose a threat in the field.



Rubber Roller

These rollers are an excellent all-around roller suitable for any types of soil conditions and offer very good consolidation. The micro-ridge shape of the Pro-Till® rollers allow water to be stored in the corrugated valleys, driven to the lower soil layers and stored in a uniform way. Proper soil consolidation is critical to allow water stored in deep soil layers to flow.

Plain Concave Disc

The concave disc does an excellent job of tilling and inverting the soil. The action of the disc depends on the size and depth of the disc, the concavity and the speed. These discs have been sized, tested, and selected for the best all-purpose results.



Notched Concave Disc

Notched concave discs provide a very aggressive cutting edge that is well suited for soil penetration and incorporating large amounts of straw. Particularly in dry, hard soil and heavy vegetation, these discs are a good choice for residue management.



Improved Soil Structure

After residue has been cut and mixed, our exclusive corrugated rollers finish the field to perfection. The hollow corrugated rubber design sheds soil, breaks up the larger clods and consolidates the soil to bring fine earth in contact with residue to optimize decomposition.

Faster Germination

Corrugated rollers are central to breaking down straw and encouraging seeds to germinate and grow in the shortest possible time. Effective soil to seed/root contact enables an efficient transfer of nutrients combined with minimal moisture loss, especially important during dry years.

Gas Exchange

Healthy soil must be allowed to breathe and tillage can drastically change the configuration, continuity and size of soil pores. A highly compacted zone beside a less compacted zone set in ridges is the optimum method to allow a rapid exchange of carbon dioxide and oxygen between the soil pores.

Erosion Control

The Pro-Till® rollers are key. The rollers consolidate the soils, provide valleys for water storage, prevent capping due to heavy rainfalls and create ridges to reduce wind erosion. The soil is protected against heavy rainfalls, helping water stored in the soil to come up to the topsoil layers.



Degelman Tested

Degelman equipment is tested to the limit in severe operating conditions. Any unforeseen problems were analyzed and further improved. As a result of years of development and field testing Pro-Till® is a piece of equipment without compromise.



Compact Transport

The Pro-Till® wing-forward design is incredibly stable for road transport. It incorporates an ultra low profile under 13' (3.9m) – ideal for clearing bridges, power-lines and storage. Pro-Till® cultivators have a compact overall footprint. The hitch weight is positive, creating a safe and highly maneuverable machine.



Hydraulic Jack

Pro-Till's® oversized, self-leveling hydraulic jack is centred on the machine for perfect balance in any soil condition. With its large range of motion the jack is easily controlled by one operator from any vehicle height.





TECHNICAL SPECIFICATIONS

Width Available	33' (10m)	40' (12m)
Transport Height	12'-6" (3.8m)	13'-0" (4m)
Transport Width	20'-0" (6m)	20'-0" (6m)
Weight (Est.)	29,000 lbs (13,200kg)	32,000 lbs (14550kg)
Number of Discs (center)	32	32
Number of Discs (wing)	23	31
Disc Options	20" Diameter Concaved x 1/4" Thick or 20" Diameter Notched Concaved x 1/4" Thick	
Disc Arm Mounting	Rubber Torsion - 4 Elements per Arm	
Disc Spacing	5" Spacing (10" Spacing per Row)	
Hitch Frame	6" x 10" x 3/8"	
Main Frame	6" x 10" x 3/8"	
Centre Frame	6" x 6" x 3/8"	
Wing Frame	6" x 6" x 3/8"	
Tires (center & wings)	BKT 600/50R22.5 FL630 Plus	
Hubs (center & wing)	CTD H1010-9 (10 bolt)	
Roller Bearings	2-7/16" Double Row Spherical Roller	
Wheel/Roller Hydraulics	Rephasing Circuit 4-1/4" Masters, 3-3/4" Slaves	
Transport Lift Hydraulics	5-1/2" x 42"	
Wing Forward Hydraulics	4" x 28"	
Engine HP Required	10 to 15HP per foot at 3" working depth to achieve 8 to 12 MPH (will vary by soil type)	
Roller Options	Rubber Roller or Cage Roller	
Roller Size (center)	13'-2" (4m)	13'-2" (4m)
Roller Size (wings)	9'-10" (3m)	13'-2" (4m)
Scrapers (rubber roller only)	Standard	
Hydraulic Jack	Standard	
Safety Lights	Standard	



Patents Pending.

Degelman Industries Ltd. is constantly striving to improve its products and reserves the right to change design, material and specifications without notice. Printed in Canada ♣

1.800.667.3545 degelman.com youtube.com/degelmanind



МОСТ-ТЕХНИКА

Россия. 142850. Московская область. Ступинский район
п. Малино, ул. Промышленная, владение 8
Тел. +7 (495) 775 0175, 775 0176 Факс +7 (495) 775 0176
E-Mail: info@most-technics.ru Http: www.most-technics.ru