

***Degelman***

# **ROCK KING 9600**





## THE KING IS HERE

Degelman introduces its largest rock picker ever. With an incredible 8' wide grate, 5 cubic yard bucket and 7'3" dump height, the Degelman Rock King is simply second to none.

The Degelman Rock King is the culmination of more than 55 years of pursuing excellence. Degelman rock pickers are unrivaled for performance and durability and are THE industry standard. Our attention to detail means these machines will work flawlessly for years to come, as you will commonly find Degelman rock pickers made 55 years ago still working today.

### High Dump

Keep your rock pile tidy. The Rock King's imposing 7'3" dump height lets you pile higher than ever before.

### Huge Bucket Capacity

With a 5 cubic yard bucket and an 8' wide grate, Degelman Rock King lets you spend less time at the rock pile and more time at picking.



### Excavator Tips

From loose dirt and crushed concrete, to the most abrasive mining applications, our excavator tips are world renowned for high quality steel backhoe teeth. This technology is incorporated into Degelman rock pickers. These cast steel grill tips provide the ultimate protection against high impact and high abrasion. The solid grill shafts are precisely milled to accept these teeth and the tips are easily replaced by removing a simple roll pin.



### Zero Maintenance Technology

The Rock King design is over-built with zero maintenance technology. Here you will find the latest in sealed bearings and oversized machined shafts and pins with maintenance free composite bushings and commercial grade quality.

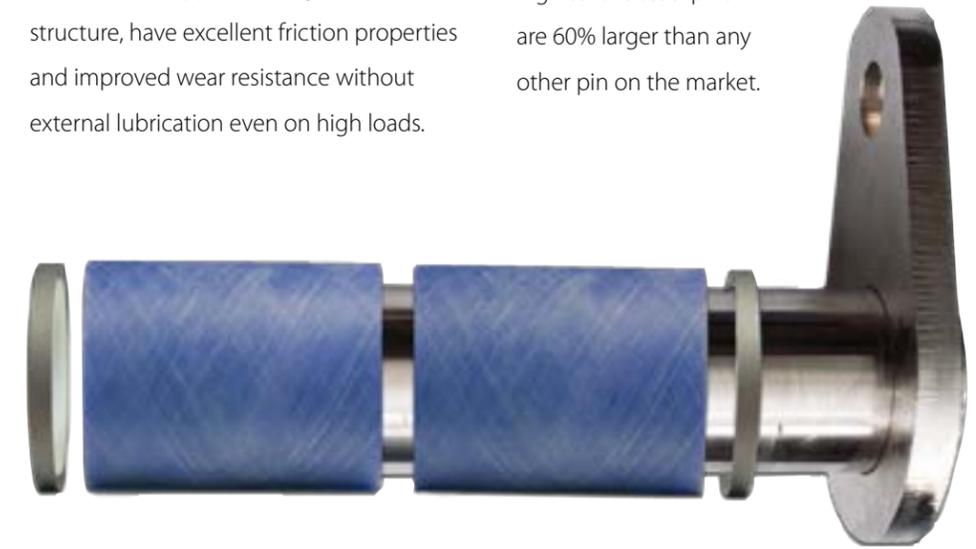


### Exclusive Self-Lubricated, Zero-Maintenance Bushing

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.

### Over Sized Electroless Plated Nickel Pin

At 2 & 3" in diameter, these high tensile steel pins are 60% larger than any other pin on the market.



### 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. The low carbon steel case with rust inhibitor helps prevent premature corrosion.

### Pin Eye Cylinders

The Lion WP 3000 welded cylinder series is designed to withstand the most demanding applications on the market today. Lion's extensive design experience has resulted in a premium cylinder with the latest in sealing technology. Standard Lion 1000 induction hardened rods provide the ultimate in corrosion protection and durability.



## Round Solid Steel Grill

The grill teeth on the Rock King are made of round solid 2" diameter C1045 steel shafts. This steel is much stronger than ordinary mild steel and has a natural spring to it to resist impact damage. A Degelman grill is extra heavy, developed with the optimum sweeps and curves to separate rocks from dirt. Every third tooth is welded to the frame to allow small lodged rocks to clear freely. The round profile itself is also the optimum shape with the smallest choke point to minimize jams.



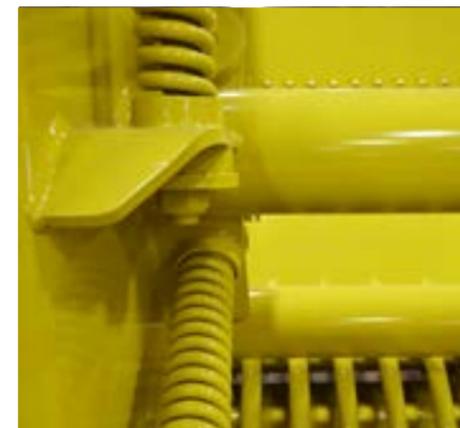
## Frame Design

Rock pickers are used in the most abusive and harsh conditions known in the agricultural and construction markets. Hitting, lifting and picking hard, heavy stones puts enormous stress on equipment. A durable rectangular frame design using 8 x 8 x 3/8" HSST is the heart of a Degelman rock picker. It supports big loads and carries the weight of the grill and reel assembly with a 14" ground clearance. Even the inside corners are supported by heavy angle plates that tie the frame tubes together.



## Precision Grill Control

The wheel placement created between the tractor hitch and the offset tires provides precise reactive control over grill depth, exceptionally important when working in soft and/or wet field conditions.



## Superior Rock and Soil Separation

Degelman rock pickers are designed to pick stones quickly, efficiently and with a minimum of soil collection. The geometry between the reel and grill is designed so that the paddle makes the first contact, lifts and spins the stone onto the grill further separating the rock from the soil.



The unique interlaced grill and paddle teeth drop dirt easily onto the field. Even the bottom and rear of the hopper box make use of grated spring bar strapping to keep rocks in and dirt out.

## Heavy Reel

The oversized reel plates are heavy and designed to withstand abuse. They incorporate formed edges that dramatically

increase the reel's strength and provide a natural deflective surface. Small details can make a big difference.

## Large Stone Picking Capability

With a massive 30 inches of clearance between the paddle assembly and the grill, large stones are easily picked. These machines are designed to provide relentless heavy stone work day in and day out.

## Superior Paddle Teeth.

The paddle design starts with an over-sized, heavy wall tube. The teeth themselves overlap the paddle tubes to protect the tubes from damage. This small detail increases the tube strength, creates a more robust point of rock contact, prevents tube damage through bowing and reduces dents. This is but another example of the Degelman difference - no detail is overlooked.

Degelman Industries makes use of cutting edge production technology like robotically welded paddle teeth; perfect welds every time. Additionally, the teeth are fully hard surfaced by robot - a technique commonly employed in industrial applications that provides three times more wear resistance.



## Advanced Reel Spring Design

The reel spring assembly moves constantly under heavy loads and is designed to arc back under pressure and release. The spring is a heavy-duty compression design exclusive to Degelman, which has taken years to perfect. It works better and lasts longer than typical extension springs. Paired with this is a urethane puck that dampens vibration and minimizes backlash as the reel paddle decompresses. Finally, a simple bend integrated into the spring holder plate greatly increases the strength of the spring holder.

## Extra Plates, Extra Welds, Extra Strong

Backing into a rock pile with a weighted rock picker can damage key components. The hydraulic hose cover is welded to the box frame to be even stronger in a key crush point. The back of the hopper box is constructed of double walled formed steel as it receives heavy pounding by rocks in the hopper and the area most likely to become damaged.

Where crush damage and daily wear are more likely, areas have been reinforced to ensure years of trouble free operation. For example, the grill side plates have additional reinforcement plates added to counter head-on damage.



## Long HD Swing Pole

The hitch pole, considerably longer and larger than typical rock pickers, is allowed to pivot, providing a large working envelope, superb visibility for picking rocks and the ability to tuck the picker behind the tractor for narrow transport. For the most demanding jobs, hydraulics contribute to the Rock King's overall ease of use, making the picker extremely handy to back up to rock piles precisely.



## Windrow Capacity

Operators that clear bush and pasture land often use the Degelman Rock Rake to place debris into neat windrows. Our Degelman rock pickers were designed to take the normally tough demands of a rock windrow. These windrows are often contaminated with sticks, stumps, crop residue and stones of various sizes and shapes. Degelman Rock King pickers are designed to work tirelessly for this exact purpose.

## Safety and Transportation

The transport lock is accessed safely on the outside of the grill assembly. In the locked position it is impossible for the grill to fall and become damaged in a transport situation. The hitch pole cylinder has a safety mechanical stop. Safety information and a highly visual manual is provided with every piece of equipment we sell.

## Removable Tire Assemblies

Distributing weight and minimizing the pounds per square foot in soft wet conditions is necessary. These large diameter tires disperse the weight of rocks in the hopper and reduce the possibility of heavy rutting on your valuable fields.

We make changing the tire, rim or spindle a much simpler process by providing a single bolt through the spindle.

## Increased Ground Protection

Degelman Rock King uses Alliance 710/50 R26.5 agricultural tires, offering an extremely wide footprint and rounded shoulders for maximum flotation in any soil condition, minimizing rutting and soil damage. The Alliance tire design helps reduce the power required to pull, resulting in increased productivity and fuel savings.

## SPECIFICATIONS

Model	RK9600
Working Width	18'-6"
Grill Width	8'
Transport Width	15'-6"
Horsepower (min)	200 hp
Hopper Capacity	5 yd <sup>3</sup>
Weight	15,300 lbs
Hitch Weight	1,520 lbs
Length	23'-6"
Height - Empty	8'-4"
Height - Unloading	7'-3"
Frame	8" x 8" & 6" x 8" x 3/8"
Drive	Hydraulic
Chain	120
Paddles	3-Paddle
Paddle Teeth Surface	Hard Surface AR Plate
Grill Tines	2" - C1045 (c/w Replaceable Tips)
Hitch	Adjustable Bolt-on
Hitch Pole	Hydraulic
Reel Spring	Compression
Hydraulics - Grill Lift/Dump	4" x 49" x 2-1/2" Rod
Hydraulics - Swing Arm	3-1/2" x 20" x 2-1/2" Rod
Hydraulic Pressure (min)	2,700 psi
Hydraulic Flow (min)	25 gpm
Hydraulic Motor Displacement	800 cm <sup>3</sup> (49 in <sup>3</sup> )
Hydraulic Outlets Needed	3
Tires	Alliance 710/50 R26.5
Picks Rocks	2" - 28"

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