



PRODUCT CATALOGUE

ROCK REMOVAL EQUIPMENT

DO MORE



OUR MISSION

Our mission is to design, manufacture and distribute the highest quality, most durable and reliable farm equipment in the world, which is affordable and meets or exceeds the expectations of our most demanding customers.

Highline Manufacturing is a division of Bourgault Industries Ltd. and as such shares a common standard of "pursuing perfection" in their business approach. Highline's shared approach is to develop relevant products of the highest quality that exceed the expectations of our most discerning customers.



PRESIDENT’S MESSAGE

The original product in Highline’s product line is the rock picker. Highline® began its long history with the development of the Rock-O-Matic rock picker at a time when much of the rock picking was still done by hand. Since its introduction in 1963, the rock picker has been a core product for Highline® and its predecessor company, Rock-O-Matic Industries. Over time, the product line has seen countless improvements and refinements, which are represented in today’s NT line of rock pickers. You can expect that whatever model of NT picker that you select will perform well and stand the test of time.

PRESIDENT OF BOURGAULT INDUSTRIES LTD.

Gerry Bourgault, P. Eng.



“... NT picker that you select will perform well and stand the test of time.”

GENERAL MANAGER’S MESSAGE

Thanks for your interest in the Highline® NT rock picker. Highline® rock pickers are used by customers around the world in very challenging conditions. The NT model came with a number of improvements including the longer hitch beam for full width picking beside the tractor, and centered positioning behind the tractor in transport. However it also retains features from previous models like the industry exclusive tracked reel system which ensures more rock goes into the bucket. This end result is a combination of proven technology and new innovations that makes the NT the best rock picker on the market today.

GENERAL MANAGER OF HIGHLINE MANUFACTURING

Bob Cochran, P. Eng.



“... new innovations that makes the NT the best rock picker on the market today.”

2 ROCK PICKER

models

for all your rock picking needs.

For over 60 years, the Highline® Rock Picker has proven itself as a machine that delivers year in, year out. Designed with few moving parts, as well as extremely durable components, the Highline® Rock Picker remains rock solid.



Pick MORE, move MORE

NT 78



For the Mid-Sized Operation

NT 60



NT 78/60

THE NT ROCK PICKER

just hook up and GO!

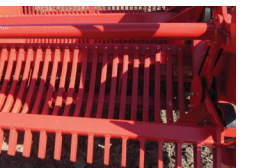
Spring Adjustment/Replacement

Exclusive to the industry, the Highline® coil spring provides uniform loading over the reel operating range combined with the most compact mounting. This ensures that the spring mechanism is protected from rock damage, resulting in years of service. Replacing the springs just got easier with a simple threaded bolt to apply or remove tension to the spring.



The Highline® Tine

The Highline® rock picker tine is designed to follow the reel; this aids in raising rocks while allowing dirt to fall through. As well, the tines are extremely durable as they are hard surfaced on both the top and bottom leading edges to ensure hours and hours of operation.



Drive System

Highline® uses an industry exclusive gearbox that stands the test of time. The hydraulically driven gear case ensures large oil bathed gears set the reel at the desired speed. The hydraulic drive provides the flexibility to turn on, turn off, and reverse the reel from your fingertips.



Why the Highline® Rock Picker is Better?

The Secret is in the Guided Reel:

It is as simple as 1, 2, 3!

1. The bogie wheels follow a special track to guide the reel for improved picking action. When the guided reel travels parallel to the ground surface, it pulls the rocks toward the apron rather than pushing down on the rocks.
2. The guided reel lifts the rocks onto the apron.
3. The guided reel delivers the rocks to the center of the bucket and because the reel is guided it follows the same contour as the apron.

Conventional Picker

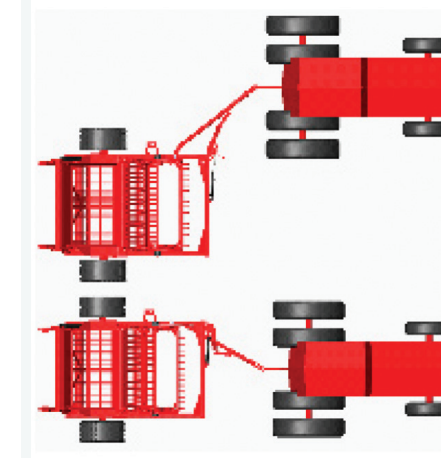
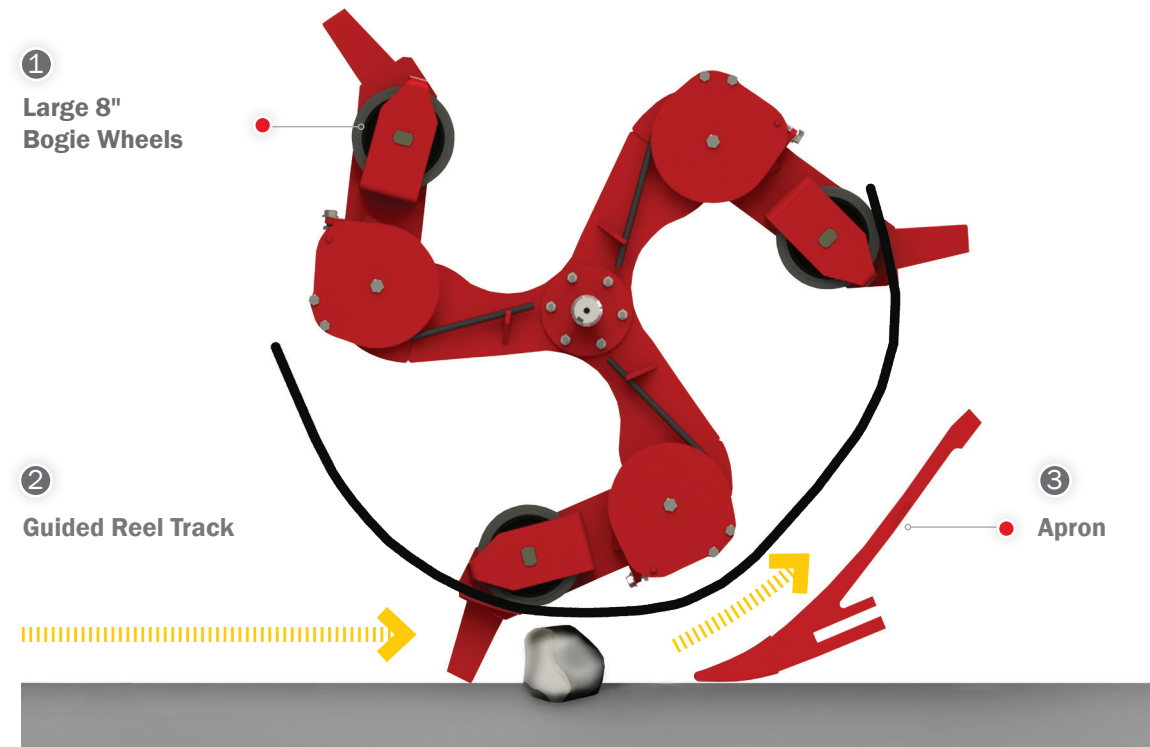
Conventional round reels have only a few inches of positive picking action. When the round reel contacts a rock on the downward cycle, rather than sweep the rock towards the apron, it pushes down on the rock. 8" and smaller rocks are often missed because the round reel buries the rock.



1 Large 8" Bogie Wheels

2 Guided Reel Track

3 Apron



Two Position Hitch

The Highline® hitch design moves the rock picker fully into view of the operator and the entire picking width is outside the tractor tracks. The hitch also advances the rock picker to a new level of transport convenience with a self-locking hitch. The self-locking design doesn't require any pins or wedges; when you get to the field, the transport lock is required to be opened manually, returning to transport position engages the lock.



Durable Box Frame Construction

Highline® is the only rock picker with a box frame construction. The front frame is built high to let rocks in, yet ensure the structure is strong enough to withstand the most difficult rocks that are removed from the field.

High-Lift Design

The High-Lift design feature provides options for operators to get rocks out of the way or off the field. The High-Lift minimizes wasted space from low flat rock piles by allowing higher more compact piles, or rocks can be transferred directly to a trailer for removal. For fast and convenient rock removal, Highline® rock pickers (NT 78 and NT 60) have a standard dumping height of 84".





Name: Bill Threlkeld & Tyler Wiggs
Location: Koshkonong, MO
Dealer: Farmer's Ag in Mountain Grove. MO

Highline themselves treated us great and the rock picker had all the features that we were looking for. With a dump height of 7 feet it has saved us a bunch of time when it comes to picking up rocks. Another feature we liked was the fact the machine runs on hydraulics. The reel is turned by hydraulics whereas our old picker ran off of PTO from the tractor. This makes things so much easier because if you get a rock caught before it gets in the basket, all you have to do is reverse the reel and spin the rock right out. The last feature we liked was the fact we can fold the machine in behind us when we transport from field to field.

NT 60 Rock Picker



NT ROCK PICKER SPECIFICATIONS



MODEL	NT 78	NT 60
Width (Picking)	78" (1.98 m)	60" (1.52 m)
Transport Width with tires (machine centered with tractor)	144 ½" (3.67 m)	121 ¾" (3.09 m)
Working Width: To center of tractor (machine is offset to right of tractor)		
Position 1 - Dual Tractor Tires	186 ½" (4.74 m)	165" (4.19 m)
Position 2 - Single Tractor Tires	167 ½" (4.25 m)	147 ¼" (3.74 m)
Transport Length	242" (6.15 m)	245 ¼" (6.23 m)
Operating Length		
Position 1 - Dual Tractor Tires	228" (5.79 m)	228" (5.79 m)
Position 2 - Single Tractor Tires	238" (6.05 m)	238" (6.05 m)
Height	71 ¼" (1.81 m)	71 ¼" (1.81 m)
Dumping Height	84" (2.13 m)	84" (2.13 m)
Weight	7850 lb (3533 kg)	6910 lb (3110 kg)
Tongue Weight	940 lb (423 kg)	820 lb (369 kg)
Bucket Capacity	3.35 yd³ (2.56 m³)	2.57 yd³ (1.97 m³)
Tire Size	21.5L-16.1	16.5L-16.1
Tire Pressure	24 psi (166 kPa)	24 psi (166 kPa)
Minimum Horsepower	90 HP (67 kw)	70 HP (52 kw)
Maximum Horsepower	150 HP (112 kw)	135 HP (101 kw)
Hydraulic Hitch	Yes	Yes
Hydraulic Drive	Yes	Yes

MODEL	NT 78	NT 60
Picking Style	Reel	Reel
Number of Bats	3	3
Minimum Rock Diameter	2" (51 mm)	2" (51 mm)
Maximum Rock Diameter	24" (.61 m)	24" (.61 m)
Lift Cylinder	3.5" x 34" (89 mm x 864 mm)	3.5" x 34" (89 mm x 864 mm)
Recommended Reel Speed	@2 mph-23 rpm @4 mph-47 rpm	@2 mph-23 rpm @4 mph-47 rpm
Hydraulic Outlets Required	3	3
Hydraulic Pressure	2500 psi (17238 kPa)	2500 psi (17238 kPa)
Flow Required	18 gpm (68 l/min)	18 gpm (68 l/min)
Frame Rectangular Tubing	6" x 4" x ¼" (152 mm x 102 mm x 6 mm)	
Replaceable Tines	Yes	Yes
Hard Surfacing (Standard)		Reel Arm Teeth & Apron Tines
Bucket Bottom is Grated	Yes	Yes
Bucket Back is Grated	Yes	Yes
Lights	Yes	Yes

While every effort has been made to ensure that the information is accurate/current at the time of production, all specifications are subject to change.
For the latest product information, please visit: www.highlinemfg.com.



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