



PRODUCT CATALOGUE
NT60E ROCK PICKER

DO MORE



THE NT ROCK PICKER

just hook up and GO!

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. Highline® offers the redesigned NT60E Rock Picker, an upgraded unit with a fresh focus on safety and design features that will make your life even easier when taking care of cleaning up your fields.

3



NT60E ROCK PICKER

Why the Highline® Rock Picker is Better?

NT60E
Rock Picker



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 transfers the rocks to the bucket following the same contour as the apron.



Conventional Picker

Conventional round reels have only a few centimeters 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. 20 cm and smaller rocks are often missed because the round reel buries the rock.

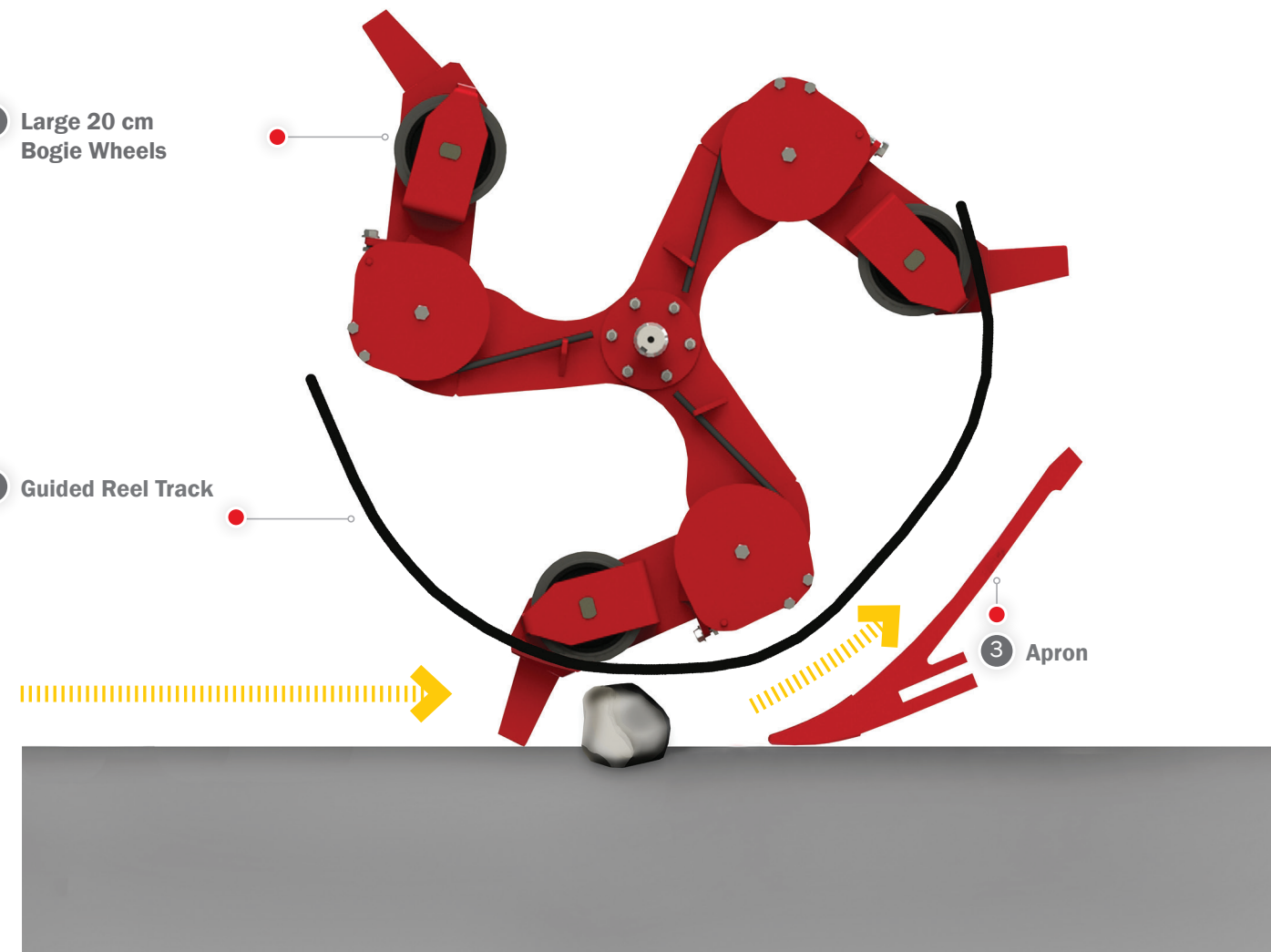
Highline Guided Batt Reel

The wheels guide the collection bars parallel to the ground surface. Reel bats are guided 3-4cm below the ground surface and continue 30cm along the ground bringing the rock directly up the apron into the bucket.

1 Large 20 cm Bogie Wheels

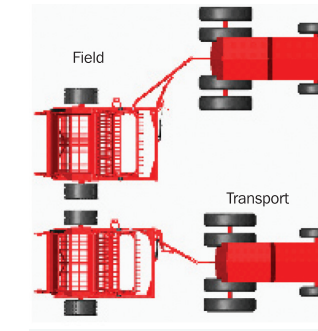
2 Guided Reel Track

3 Apron



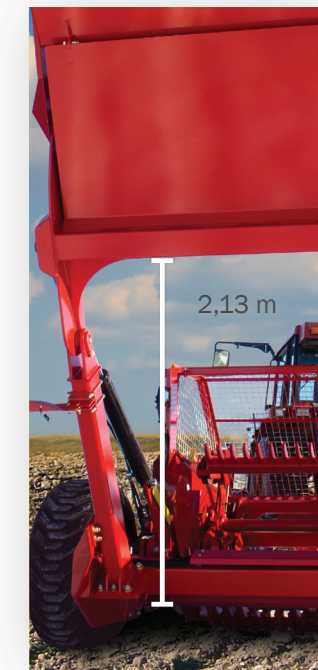
Long-term cost-effective maintenance with the following interchangeable parts:

- Individual hardened cast iron bolt on apron tines
- Replaceable guided reel track wheels on each reel arm
- Replaceable tension springs on the reel arm
- Serviceable ADR braking system
- Bolt on replaceable reel end shafts



Hitch Redesign

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 engages the lock when leaving a field without the use of pins or wedges; for safety the transport lock has to be manually lifted before next use.



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.

Hi-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® NT60E rock pickers have a standard dumping height of 2,13 m.



Features and Benefits

Spring Adjustment/Replacement

Exclusive to the industry, the Highline torsion 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

Replaceable hard surfaced apron tines – tines are hard surfaced on the top and bottom with long base for ground contouring, 2 bolt replacement.

Three (3) Bat Hydraulic Driven Reel

Reel bats use a spring protection system to sweep the rocks onto the apron. Guided reel track with 20 cm diameter bogie wheels to load and unload spring pressure.

Picking width 1,52m

Braking System

Serviceable hydraulic braking system. (Emergency Brake Away System and Parking Brake).

Two (2) Position Hydraulic Swing Hitch

3,73 m or 4,19 m from center of tractor - provides visibility options for tractors with duals, high fenders or high profile tires.

Safety

Transport locks on the hitch swing and apron.

Drive System The 172 bar forward pressure / 103 bar reverse pressure hydraulic driving reel can be engaged, disengaged or reversed from within the tractor

Bucket Dumping Height of 2,13m

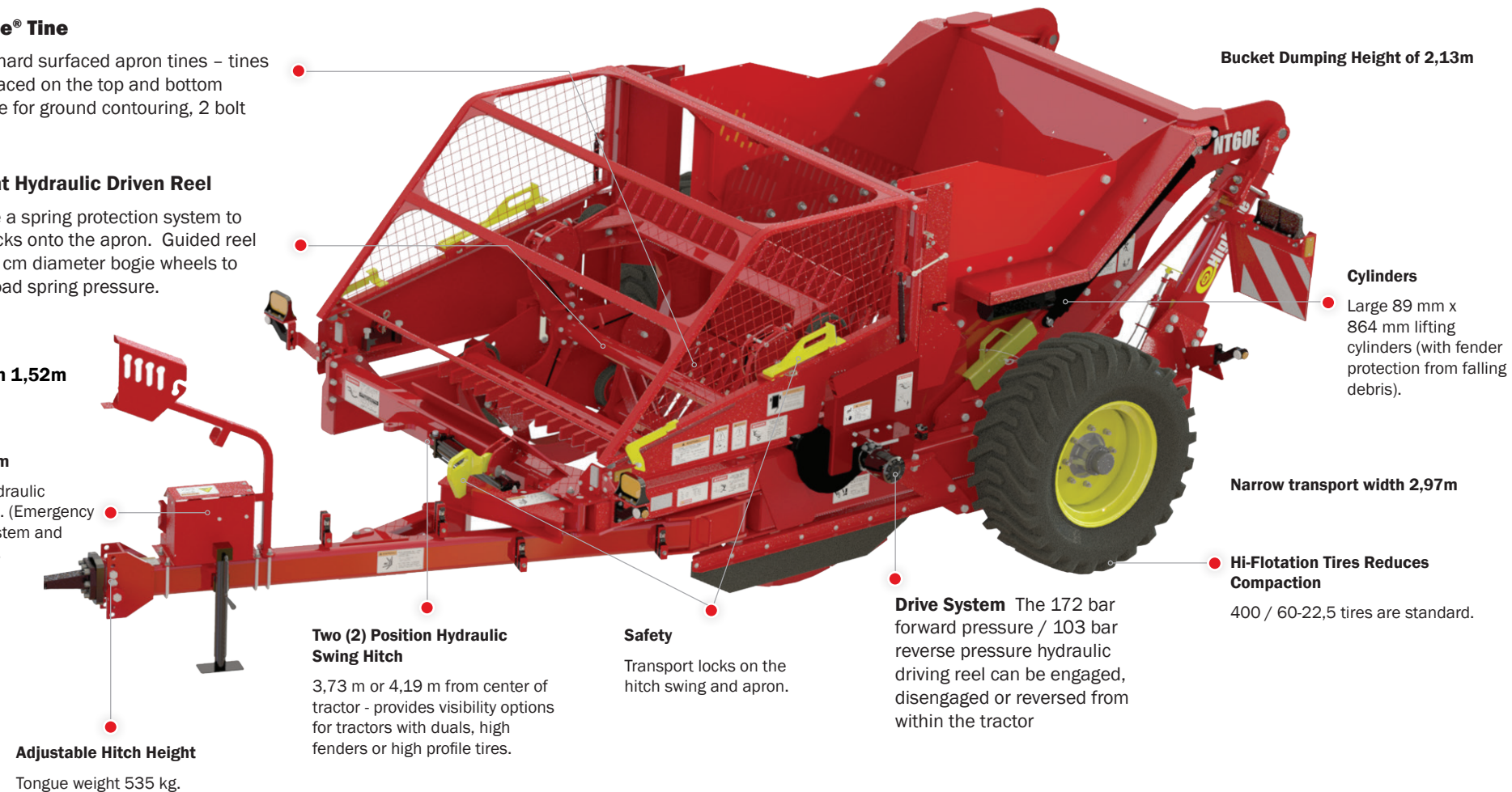
Cylinders

Large 89 mm x 864 mm lifting cylinders (with fender protection from falling debris).

Narrow transport width 2,97m

Hi-Flotation Tires Reduces Compaction

400 / 60-22,5 tires are standard.



NT60E SPECIFICATIONS



MODEL

NT60E

Width (Picking)	1,52 m
Transport Width (with tires) machine centered with tractor	2,97 m
Working Width: To center of tractor (machine is offset to right of tractor)	4,18 m
Transport Length	6,22 m
Operating Length	6,10 m
Height	1,86 m
Dumping Height	2,13 m
Weight	3722.9 kg
Tongue Weight	513 kg
Bucket Capacity	1,97 m ²
Tire Size	400 / 60-22,5
Tire Pressure	4,275 Bar (427,5 kPa)
Required Horsepower	70 HP (52 kw)
Recommended Horsepower	135 HP (101 kw)
Hydraulic Hitch	Yes
Hydraulic Drive	Yes

MODEL

NT60E

Picking Style	Reel
Number of Batts	3
Minimum Rock Diameter	50 mm
Maximum Rock Diameter	610 mm
Lift Cylinder	89 mm x 864 mm
Recommended Reel Speed	@3 km/h – 23 rpm @6 km/h – 47 rpm
Hydraulic Outlets Required	3
Hydraulic Pressure	172,36 Bar (17236 kPa)
Flow Requirement	68 l/min
Frame	152 mm x 102 mm x 6 mm (H x B x T) Rectangular Tubing
Replaceable Tines	Main Apron Tines are replaceable to allow for high acre usage
Hard Surfacing	Reel Arm Teeth and Apron Tines (Standard)
Bucket Bottom is Grated	Yes
Bucket Back is Grated	Yes
Brakes	Hydraulic

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.



DO MORE

YOUR LOCAL PROFESSIONAL HIGHLINE DEALER:

Printed in Canada - 08.20



Highway #27, PO Box 307
Vonda, SK, Canada S0K 4N0

www.highlinemfg.com