

## STONE PICKERS



### *ELHO Scorpio 550 collects stones efficiently!*

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**SCORPIO IS DESIGNED AND MANUFACTURED ON THE WEST COAST OF FINLAND WHERE THE INLAND ICE LEFT LARGE AMOUNTS OF ROCKS AND STONES OF ALL SIZES.**

Our ancestors have fought with stones for centuries and we are still fighting! Stones in the field bring about huge costs every year when they cause harvesting machines to break down! And you can't only calculate the harvesting machine repair cost, there is also a lot of lost working hours. Harvesting can easily be delayed up to a week or more, depending on what has broken down on the machine. Loss of working hours means lost income! To help the situation, ELHO designed the Scorpio 550 fully hydraulic driven stone collector.

*"Pick-up blocked?  
No worries, just reverse!"*





## SCORPIO 550 STONE PICKER

Picking stones efficiently, a fully functioning sift, a large working width and durability of the machine have been the main goals when creating the Scorpio. The machine is equipped with, among other things, a fully hydraulic drive, which directs the power to where the demand is greatest. This prevents the machine from breaking down if it gets blocked. The large and durable lifting tines are flexible in all directions. The tines do not break if the machine gets blocked and they also endure reverse motion.

Every steel bar in the sieve is replaceable and every other sieve steel bar can be removed. The distance between the sieve bars is 40–110 mm. Every other bar is mounted at a different height to prevent wedging.

The wide side rake tines are made of Hardox steel and are firmly welded onto the rotor tube. The rotor bearings are built into the steel tube, which makes it highly durable. The side rakes can also be reversed. The side rakes are positioned to prevent the stones wedging between the rake rotor and the frame structure.

Scorpio has a large hopper, with a tipping height of 2,7 metres. This way it can easily reach over the sides of a big trailer. The back wall of the hopper also sifts out soil. The side plates and the hopper lid plate are made of Hardox steel.

Scorpio has a sturdy frame, a telescopic drawbar with collision guard, wide rakes, large tandem wheels, and is fully hydraulic driven.

The automatic depth adjustment is ofcourse also hydraulically operated. The machine keeps track of the ground actively. The adjustable depth function has two depth settings that can be manually overridden by the driver's commands. With automatic depth adjustment, the driver doesn't need to keep track of the ground, especially in dusty conditions with poor visibility.

The ELHO Scorpio work terrain is not only the removal of stones from farm fields but also, for example, from roads, other type of fields, renovation sites and construction sites of green infrastructure. The Scorpio 550 is very suitable for contracting.

### ELHO Scorpio 550

- Wide collecting area, durable body structure, large tandem wheels
- Fully hydraulic – nothing breaks if blocked, the power is automatically transferred to where it is needed
- Pickup rotor: can be reversed, equipped with large, strong and Flexible tines
- Sieve steel bars are exchangeable, every other one is removable
- large stone hopper with high ground clearance



### TECHNICAL SPECIFICATIONS

### SCORPIO 550

Tractor power requirement, min/max, kW *)	90-140
Recommended tractor hydraulic pump size min, l/min	110
Hydraulic flow max, l/min	85
Working width, m	5,5
Collect stones from - to, mm **)	40-400
Stone hopper size (useful), m3 **)	1,5-2
Tipping height, m	2,7
Working depth, cm	0-7
Driving speed, km/h	1-7
Pick-up lifting tines, pcs	16
Pick-up tine lifting force, kg	400
Pick-up tine flex up from screen, mm	210
Screen size, mm	40
Wheels, tandem	560/60-22,5
Rake wheels	26x12.00-12
Weight, kg	6800
Length, m	7,2
Width, m	3
Height, m	3

\*) The tractor weight and power is determined based on the conditions

\*\*\*) Without brakes, the weight is 6600 kg

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