

Stonebears



SB4000/SB5200

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The Kongskilde Stonebear is specially designed for the removal and collection of stones from cultivated land in one operation.

Removing stones the easy way

Kongskilde Stonebear can also be used in the construction industry to clean sites, golf courses, sport fields, turf sod operations etc.

The Stonebear is designed to collect stones from approx. 2.8 cm to 30 cm. A working width of 4 m or 5.2 m provides for a one-man operation, with greater capacity and efficiency.

The Stonebear is equipped with wide low-pressure tires, to reduce compaction and tracks in the field.

This wide, low-pressure tire design allows the Stonebear to be used effectively before drilling and planting operations.

Rake and Collect in one operation

Utilizing adjustable depth control wheels, the Stonebear rakes are designed to follow the contours of uneven fields. The rakes rotate in the opposite direction to forward travel. The heavy duty spikes, made of high tensile steel in a spiral arrangement, draw the stones to the center of the machine onto the sieve. The depth of the sieve is controlled hydraulically through an articulating drawbar. The stones are sieved by tines in a rotor over the exchangeable sieve. The tines then throw the stones into the hopper. Extra soil and smaller stones go

through the sieve and back onto the ground.

When the storage hopper is full. A unique hydraulic dumping system allows easy discharge directly into a dump trailer, truck or pile in the corner of the field.

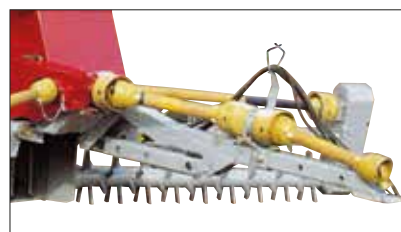
Quality and Durability

The Kongskilde Stonebear is a solid structure of high quality material, designed for a long working life.

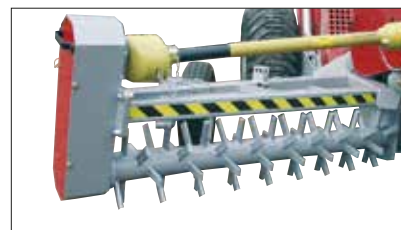
The power transmission consists of V-belts to protect against overload and absorb shock forces when the drum or rakes engage a large stone.

The heavy duty vibrant Kongskilde tines, engage the drum sieve and throw stones into the hopper. The unique Kongskilde tine is made from convex steel, with a specially developed shape for optimal strength. A helperspring supports the tine to assist movement of large stones from the collecting drum.

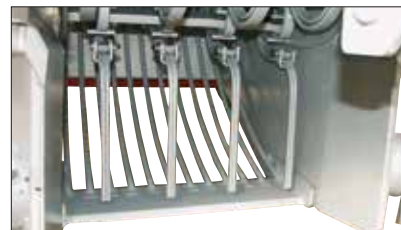
The Stone rake collects the stones to the drum. The collecting drum of SB4000 has a rotor with 18 and SB5200 24 Kongskilde tines. Separate hydraulic folding cylinders are alternative equipment.



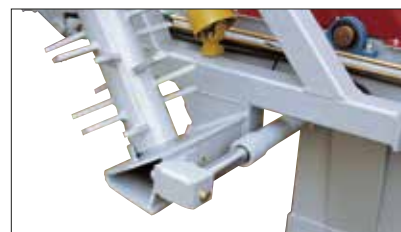
The depth is controlled by an articulating drawbar.



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The hopper design on the Stonebear is with a 1.8 cu. m capacity. The hopper has small holes in front to indicate the level and inform the operator for emptying.

Transport

The stone-rakes on the Stonebear are raised either mechanically or hydraulically in one smooth operation by single acting hydraulic cylinders. Upon completion to the folded position, with lock pins in place, a narrow transport width of 2.6 m is achieved for convenient and safe road transportation. The Stonebear tows smoothly at rated tractor road speeds.

Tractor requirements

Unlike many conventional stone picking machines, the Stonebear operates with a low tractor power requirement; SB 4000: 55 KW (72 hp) and SB 5200: 60kW (80 hp). An operation speed of 350 rpm is recommended for proper field operation. Minimum hydraulic requirements are two single and one double acting outlets. Tractors equipped with two pairs of outlets provide for the convenience of dumping and folding rakes.

Large Hopper

The hopper design on the Stonebear is with a 1.8 cu. m capacity. The hopper has small holes in front to indicate the level and inform the operator for emptying. The inside rear section is covered with a heavy-duty replaceable mat for protection and sound reduction. The hopper pivots on replaceable bushings on a heavy shaft across

the full width of the tank. Smooth, convenient tipping is achieved at a height of 2.3 m.

Versatile Machine

The Stonebear can be used for many applications. Most popular for agricultural use, to save labor, machine operations and protection against damage to harvesting machinery. The Stonebear is also popular in construction and recreational applications for collection of stones, trash, small roots etc. It is often used for turf sod, golf course, sports arenas and road preparations.

Best results are achieved when the soil is dry and cultivated. The Kongskilde Stonebear as a one-man operation, pays its investment. Stones can also be sold for roadside protection and landscaping. A V-belt pulley powers the stone rakes.

The hopper has a tipping height of 2,3 m. Adjustable double wheels control the depth of the SB 5200 stone rakes.

The rotor is powered by a reversing gearbox and a straight V-belt pulley. A V-belt pulley powers the stone rakes.



The hopper has a tipping height of 2.3 metre.



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A V-belt pulley powers the stone rakes.



Technical information

Standard equipment	Alternative equipment	Optional equipment
• Stone rakes • Lifting rotor with 18 tines (SB4000) • Lifting rotor with 24 tines (SB5200) • 5 extra spare-tines • Road-light equipment • Hydraulic rake lifting	• 500/60 x 22.5 tires • 28, 35, 40, 50 or 70 mm sieve • Hook, lifting arm or draw bar (North America) mounting to tractor • Standard, wide angle or clutch PTO axle • 700/45 x 22.5 tires • Tandem wheels. 500/60*22.5 • Hydraulic brakes	• Guards for rakes

Model	Working width m	Transport width m	Max. working depth cm	Hopper capacity m³	Tipping height m	Length m	Weight kg	Collected stone size cm	Working capacity* ha/h
SB 4000	4.0	2.6	7	1.8	2.3	5.2	3,350	2.8 - 30.0	0.5 - 1.0
SB 5200	5.2	2.6	7	1.8	2.3	5.2	3,620	2.8 - 30.0	0.6 - 1.2

*note: Capacities noted as a guide only, are dependent on soil and working conditions.

