

HELIOS CRACKER 80

MOUNTED SUB-SOILER

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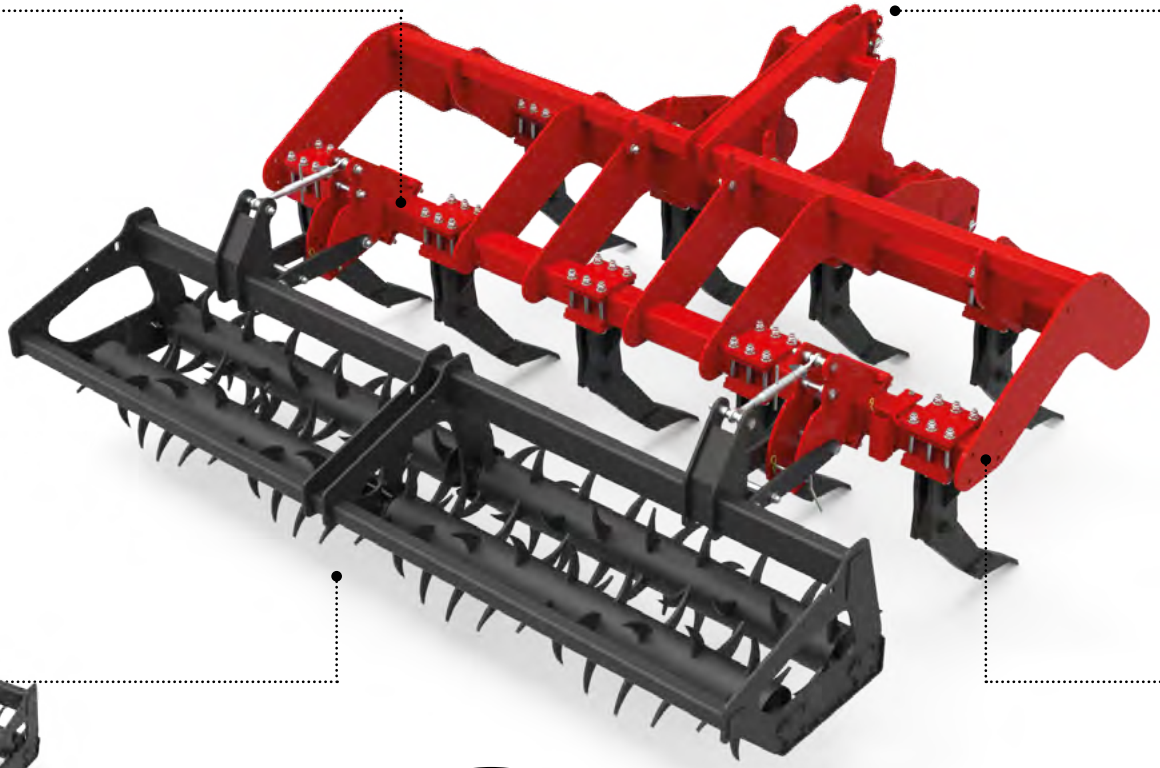
MOUNTED SUB-SOILER

9 to 11 tines - Tractors: 300 to 415 hp - Working width: 4.00 to 5.00 m



A machine-welded frame

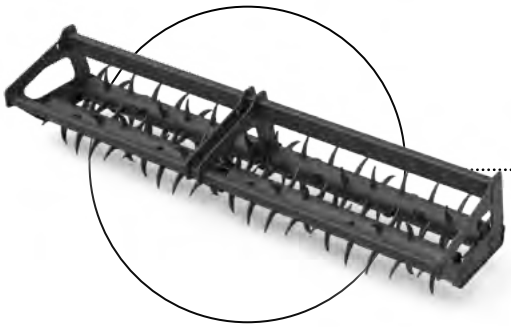
The machine-welded frame is extremely resistant. It has been designed to cope with the difficult conditions that the Cracker can undergo.





A fitted hitch

The hitch is extremely strong and is designed to withstand the tractors' tractive power and the shocks that the machine can undergo. Several categories are compatible to suit all tractors.



Double spike roller

The double spike roller, with its 340 mm diameter, enables an important surface work because it breaks clods, increases the burial of plant residues and, above all, levels after the passage of tines. This roller has bearing protections to protect the bearings from soil flow and long plants that could be entangled in them.



Side deflectors

Deflectors are optional on each side of the machine, in order to to channel the soil flow that the tine can bring. These sheets mounted on two pendulums allow you to have a well levelled field.



Stabilising wheels

For better stability, it is possible to have a pair of wheels (optional) at the front of the machine. These 10.0/75x15.3 wheels help to control depth and compensate for the high suction of the tines towards the ground.



Cracker tine

The Helios Cracker are the most suitable machines to loosen on the whole working depth. The disturbance of the surface is similar to a deep ploughing which mixes plant residues together with the earth. This accelerates humification. Your soil reappropriates nitrogen without the need for inputs.



Shear bolt safety

Further to an intense test campaign in Russia, the shear bolt safety has proved its worth. The shear bolt shears off when the peak load exceeds 10 700 kg. In the event of a breakage, the bolt head falls off, as well as the rest of the bolt. The tine can then retract and then return to its place by its own weight. It is suitable for slightly rocky and very compacted soils.



Wide clearance

A 820 mm underbeam clearance. The working depth and plant residues on the soil request a wide clearance in order to avoid clogging. Deep work lifts up the soil and breaks it. For a trouble-free quality work, it is necessary to have some distance between the frame and the tines.



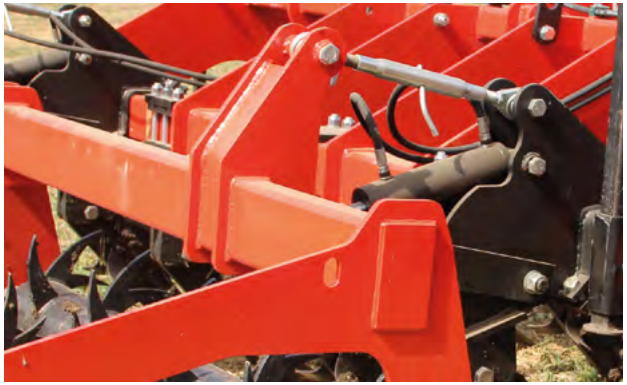
Modular tine

You can adapt the Cracker tine depending on the requested agronomic work. To work deeply, only the point is required, with a 20° angle, to control the tensile stress and consumption. To cut the strips of soil, a knife deflector is available to make smaller clods. However, for more superficial work, wings can be mounted to cut the root systems of the plant cover.



Hydraulic non-stop safety

Essential for stony soils, the hydraulic non-stop safety enables the tine to retract to protect the frame and work safely. This technology, well known within Grégoire Besson, is adjustable according to the type of soil. The tine can lift up to 40 cm to work on extremely difficult soils.



Hydraulic roller adjustment

The working depth is flexible and can be adjusted by setting hydraulically the roller depth. Adjustment is carried out from the cab in complete simplicity and safety for the driver

	HELIOS CRACKER 80 TECHNICAL SPECIFICATIONS	
Working width (m)	**4.00**	**5.00**
Tractor power (HP) *Tractor power (kW)*	**300 / 370** *220 / 272*	**340 / 415** *250 / 305*
Transport width (m)	4.00	5.00
Transport height (m)	2.20	
Indicative weight without roller (kg)	3 321	3 959
Yoke hitch type (Cat.)	3 - 4N	
Chassis version	Rigid mounted frame	
Number of tines	9	11
Tine model	Cracker tine	
Leg protection	Standard	
Tip	Standard reversible point / Option non reversible	
Spoiler (mm)	Standard without / Option wings	
Spacing between tines (mm)	444	454
Spacing between tine rows (mm)	960	
Under frame clearance (mm)	920	
Tine safety system	Standard shear bolt / Option hydraulic	Shear bolt
Roller adjustment	Mechanical	
Rear equipment (mm)	Standard double spike roller Ø340	
Depth control	Roller	
Stabilising wheels	Standard without / Option 2 wheels 10.0/75x15.3	
Working depth (mm) max. (mm)	600	
Road traffic lights	Standard	

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