



# The Imants Culter 3.0

## Why

Soil compaction is a common and constant problem on most farms that till the soil. Heavy farm machinery can create persistent subsoil compaction, even when under no-tillage management. Scientists have found that compacted soils resulted in: - physically restricted root growth; - poor root-zone aeration (inadequate oxygen flow to roots); and - poor drainage that contributes further to poor soil aeration and to more losses of nitrogen. Subsoil tillage has been used to alleviate compaction problems. Subsoilers (deep-rippers) are typically operated at depths of 30-50 cm (12 to 20 inches) to loosen the soil, break compaction, and increase water infiltration and aeration.

## Imants 'CULTER'

The Imants subsoiler or ripper called 'Culter' is developed and perfected in the last decade by a German agricultural engineer. Together with him Imants has perfected the design and shape into a unique tool which combines efficiency, high work rate and low fuel consumption into a machine that can be used by itself or in combination. I.e. with a spader, rototiller or any

other driven or non-driven implement. The ripper tines are made out of high strength and abrasion resistant steel and the wear resistant tips can be changed easily.

## Combined tillage methods

Due to the unique shape of the tine there will be maximum ripping of the subsoil with minimum disturbance in the topsoil on all types of soil. The high frame construction with tunnel design makes it possible to have a PTO driven machine hitched. A working depth of 60 cm (2') can be reached and the depth of the ripper can be adjusted apart from the rear implement.

The Culter comes standard with 6 tines on 3 meter (10') but can easily be converted into 2, 3 or 4 tines.

The centre of gravity is further forward compared to any other competitive ripper because of the short design and short lift-arms resulting in a better lift capacity. When the Culter is used in combination with a spader. The ripping, primary- and secondary-tillage can be performed in one single pass.

Model	Working width	Working depth	Number of legs	Hydraulic hitch capacity	Max. engine HP	Weight
Culter 3.0	300 cm	max. 60 cm	6	3000 kg	350	880 kg

For more information or a demonstration please call Imants or consult our website [www.imants.com](http://www.imants.com)

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Dealer:





**imants**  
Digging the future

CULTER 3.0

The most versatile subsoiler



Safe	time	Safe fuel	Better yield	Combine tillage methods
3-point hitch (CAT II or CAT III)			Centre of gravity far forward	All soil types
Higher workrate	Better	soil	structure	tractors from 80 – 350HP