

The chisel plough allows to shorten the working time needed for cultivation in comparison with traditional ploughing with an agricultural plough while limiting the costs related to it. The machine prepares the field by breaking the impermeable soil layers to provide better access for air and water. The chisel plough application on the farm improves permeability for the root system and ensures the recovery of the entire soil and faster plant growth, while minimising subsequent soil preparation operations, leaving the soil loosened and levelled.



## Ripper tine

Lump grinder – a central blade for breaking soil lumps and cultivation optimisation.

Tine plough beam – designed to minimise the loads transferred to the device frame and for lower fuel consumption per cultivation hectare.

Reversible chisel – owing to the refined shape, it allows the tine to enter the soil even in extremely difficult conditions. The standard chisel is made of boron steel, optionally welded or with welded cemented carbide.

Side wing shares – cut the soil horizontally leading to breaking in the first soil layer. Their position is adjusted depending on the working depth.

The chisel plough is available with different quality variants of working elements. Standard components made of boron steel can be replaced with welded plough components or with welded cemented carbide.



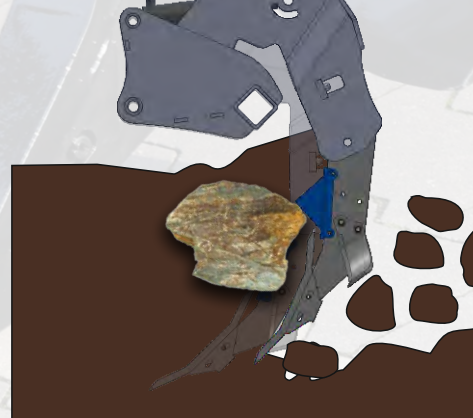
## Screw protection

When the maximum load is exceeded, the protection screw, which protects the frame against damage, is broken.



## Hydraulic protection

With too much load, oil from the piston is directed to two cylinders with nitrogen. It is possible to set the force needed for the tine deflection.



QUALITY OPTIONS	Boron steel	Welded chisel	Chisel with cemented carbide
APPLICATION	Light soils	Heavy soils difficult in cultivation	Sandy soils without stones
LIFE SPAN			

### Advantages:

- higher working speeds in relation to traditional ploughing (up to 12 km/h)
- it supports water penetration
- better development of plant roots
- lower costs of replacing plough parts in relation to the classic plough
- extremely strong frame made of S500 and S700 steel
- reduction of fuel consumption

### Standard equipment:

- Ripper tine with side wing shares
- screw or hydraulic overload protection
- hydraulic depth adjustment of operation
- tandem spiky rollers

The selection of a suitable quality chisel depends on the conditions under which it is to operate.

### Technical data

WORKING WIDTH	NUMBER OF TINES	POWER DEMAND (KM)*	Screw protection WEIGHT (kg)**	Hydraulic protection WEIGHT (kg)**
2,5 m	5	125	2075	2325
3,0 m	5	125	2200	2450
3,0 m	7	175	2300	2650
4,0 m	9	220	3080	3530

\*) minimum power demand may significantly vary depending on the equipment and soil conditions.

\*\*\*) weight of the machine with standard equipment.

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