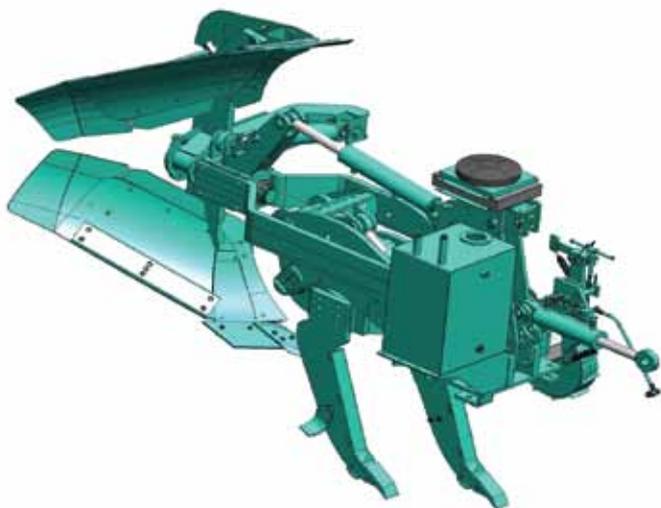


Technical characteristics of the Delfino3 plow and their effect

The Delfino3 is composed of a single reversible plowshare and two ripper.



The single reversible plowshare digs, using a wave motion, micro basins 3,5-5m long, 40-50cm wide and 40-50cm deep.

Two rippers, located in front of the plow, work the soil for a width of 40-50 cm. They descend to a depth of 40-50cm where the plowshare enters the soil, creating the micro basin. The rippers then continue to a depth of 70cm and between one micro basin and the next they create an underground collection pocket which collects water from the adjoining micro basins.

The technical characteristics of the Delfino3 and the speed of the tractor rupture the compact soil, facilitating deep infiltration of rainwater and root growth. This water is thus protected from evaporation. The two rippers are staggered to move the stones and so protect the plowshare

Rainwater, soil, seeds, organic materials transported by wind and runoff accumulate in the micro-basins and along the rippers tilling line a long lasting soil regeneration process. Each motion unit (mu) micro basin/underground pocket collects even in case of very low rainfall (200-500mm/year) up to 1500 liters of water (runoff water included).

The reversibility of the plowshare allows a more efficient work (not empty returns) to promote the entry of runoff while working along the contour.

The wave motion of rippers and plowshare and the reversibility of the share are enabled by a **hydraulic system**.

According to soil and rainfall characteristics and to the projects objectives, the depth and length of ripper and plowshare work can be adjusted or the work of the share can be excluded.

Datasheet Delfino3

h1 Depth of plowshare work: 40/50 cm

h2 Depth of ripper labor: 50/70 cm

Width of the micro basin : 40/50 cm

Width of ripper labor: 40/50 cm

L1 Programmable micro basin length: 3.5/5 m

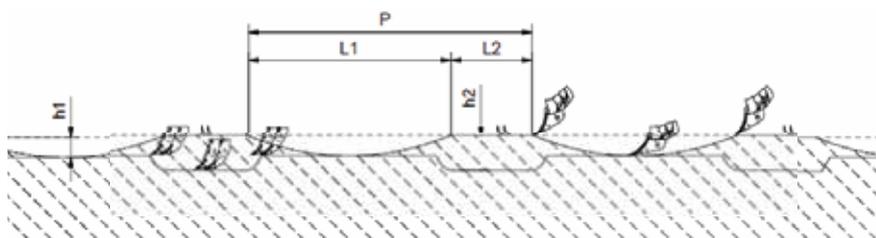
L2 Programmable underground collection pocket length

P Total length of work: 4/8 m

Weight: 2000 Kg

Working speed: 4/7 Km / hour

Longitudinal section of work



Delfino3 requires a 240CV wheel tractor with a minimum weight of 10 tonnes.