

# Cultro TC



OPTIMUM CRUSHING AT UP TO 20 KM/H



## Cultro TC

KNIFE ROLLER WITH OPTIMUM CRUSHING EFFECT  
AND UTMOST STABILITY DUE TO FIXED KNIVES

- 3-row heavy harrow to distribute organic material, to produce fine soil or to comb out weeds and grass. Available for Cultro 5, 6, 9, 12 and 18 TC – closed rotor design
- Roller bodies with a diameter of 300 mm for maximum rotational speed

- Flexibility with 3-point linkage. The Cultro 3, 5 and 6 TC can either be mounted in the front or in the rear.
- Due to the helical knife rollers, there are no uncultivated areas between the knife sections.



The HORSCH Cultro TC is a knife roller that excels due to its enormous work rates while at the same time the fuel consumption is minimum. The high work rate is achieved by an operational speed of up to 20 km/h. Depending on the configuration, the Cultro can be mounted in the front or in the rear. Starting at a working width of 9 m, it can only be mounted in the rear. The Cultro 12 and 18 TC are equipped with transport wheels to ensure a comfortable road transport.

When working, the entire weight of the machine is transferred to the knives to achieve an excellent cutting effect even in hardest soils. The range of application of the Cultro includes the crushing of catch crops, rape, sunflower, silage maize stubble and the distribution of straw carried out by the optional heavy harrow. Moreover, combined with a Joker, the Cultro can be used for seedbed preparation or for incorporating high amounts of organic material. The counter-rotating layout of the knives creates a helical work pattern and ensures a reliable crushing of organic material. Due to the small diameter of 300 mm and the 6 knives per rotor, a high rotational speed is achieved that additionally increases the crushing effect. The knives that are placed diagonally on the roller guarantee a constant power transmission. Moreover, this layout prevents the machine from bouncing. The knives fit tightly to the rotor to guarantee utmost stability and operational reliability. For an optimum adaptation to the soil, the double knife elements are attached to the frame with a torsion suspension. This allows for contour following due to possible unevenness of the soil in the direction of travel and protects the knife roller from obstructions. For the Cultro 12 and 18 TC, the farmer can choose between a RingFlex packer or a heavy harrow. The Cultro 3 TC can be equipped with a RollFlex or RollPack packer in the rear. Thus, the machine can be set up to optimum working conditions.



Working widths from 3 to 18 m

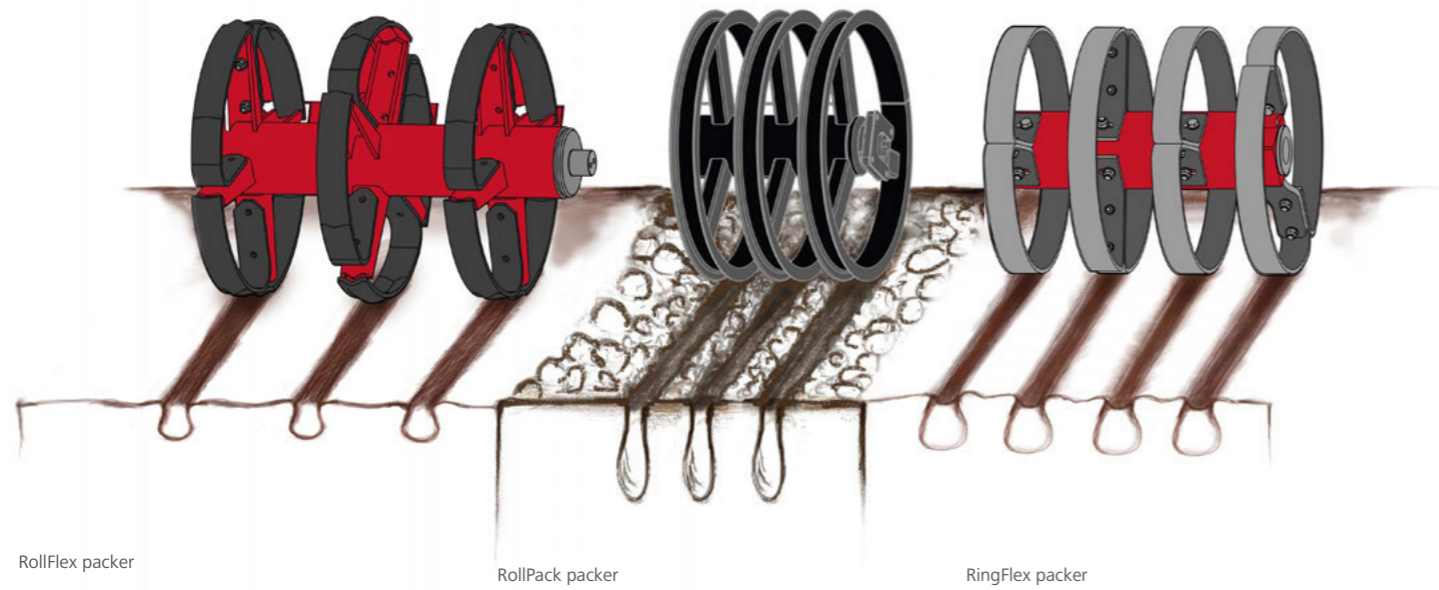


Double knife roller with a theoretical cutting length of 14 cm

# PACKER SYSTEMS

VERSATILE FOR OPTIMUM RESULTS

The depth effects and the main applications of the different HORSCH packer versions.



RollFlex packer

RollPack packer

RingFlex packer

## RollFlex packer

- Deep consolidation with loose soil surface
- High levelling capacity due to intermediate levelling tine
- Self-cleaning, without scrapers
- High operational reliability

## RollPack packer

- Steel ring roller with a diameter of 55 cm
- Deep strip consolidation
- Flexible conditions of use
- Weight per m working width: 125 kg

## RingFlex packer

- High contact area due to 7 cm wide ring elements
- Additionally mixes in organic material
- Can be converted to a winter packer
- Weight per m working width: 120 kg



6 Optionally with a 3-row harrow or a packer roller

## Double knife roller unit

Due to the massive bearings and the fixed knives, the double knife roller is extremely stable. Due to the oscillating suspension, the knife roller can optimally adapt to unevenness and ensures a reliable cutting.

- Double knife roller body with 6 knives per rotor
- Rotor diameter of 30 cm for high rotational speed and optimum crushing effect
- Two counter-rotating rotors for a theoretical cutting length of 14 cm
- Fixed knives for maximum stability



Double knife roller for optimum crushing

## Following tool

Depending on the model, there are different equipment options for the Cultro TC. This guarantees a wide range of applications and an optimum adaption to the respective soil.

- Depending on the model, there are different following tool options
- Option: 3-row harrow
- Various packer options
- Additional weights for hardest conditions



With packer or harrow depending on the customer requirements

# TECHNICAL DATA

<b>Cultro TC</b>	<b>3 TC</b>	<b>5 TC</b>	<b>6 TC</b>	<b>9 TC</b>	<b>12 TC</b>	<b>18 TC</b>
Working width (m)	2.90	4.60	5.70	8.90	12.20	18.20
Transport width (m)	2.99	2.35	2.35	2.98	2.99	2.99
Transport height (m)	1.21	2.64	3.25	---	---	---
Machine height (m)	---	---	---	3,76	3,35	3.60/3.75 with triple harrow
Length (m)	---	---	---	3.42	7.90	11.01
Length rear attachment with packer (m)	2.10	1.02	---	3.41	---	---
Length front attachment (m)	1.09	1.02	1.02	---	---	---
Weight front attachment (kg)	950 - 1300	1600 - 2200	1900 - 2400	---	---	---
Weight rear attachment (kg)	1800 - 2100	2400 - 2900	2500 - 3100	3500 - 4700	---	---
Axle load (kg)	---	---	---	---	5600 - 6800	8200 - 9800
Vertical load (kg)	---	---	---	---	1700 - 2200	2500 - 2900
Tyre size support wheels	---	---	---	---	10.0 / 75 – 15.3	10.0 / 75 – 15.3
Tyre size transport wheels	---	---	---	---	550 / 45 – 22.5	550 / 45 – 22.5
Knife roller Ø (cm)	30	30	30	30	30	30
DA control devices	---	1	1	3	4	4
Horsepower requirement (kW/hp)	60 – 110 / 80 – 150	95 – 147 / 130 – 200	110 – 160 / 150 – 220	140 – 210 / 1 90 – 290	200 – 255 / 270 – 350	235 – 330 / 320 – 450
Implement attachment 3-point	3-point Cat. II/III	3-point Cat. II/III	3-point Cat. II/III	3-point Cat. II/III	---	---
Implement linkage with ring hitch (mm)	---	---	---	---	Ø 46 - 58	Ø 46 - 58
Implement linkage with hitch (ball joint) (mm)	---	---	---	---	Ø 42 - 51	Ø 42 - 51
Implement linkage with ball head coupling	---	---	---	---	K 80	K 80

Your distributor

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All specifications and diagrams are approximate and not binding. Technical features and design are subject to change.

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