

HELIANTHUS: NEW SUNFLOWER ATTACHMENT

PRO



capello



HELIANTHUS PRO

PRODUCTIVITY TO THE WHOLE FIELD

The newest CAPELLO HELIANTHUS PRO header is designed for professional lossless sunflower harvesting. This is a one-of-a-kind header with various options for tweaking the settings on the go in the field:

- capacity adjustment for maximum combine loading
- customization for harvesting conditions and state of plants
- adjustment in accordance with the agronomic characteristics and type of soil treatment
- height, humidity, and sunflower variety adjustment
- adopts a row-independent harvesting system, this means that its overall dimensions determine the harvesting width



DISTANCE BETWEEN DIVIDERS

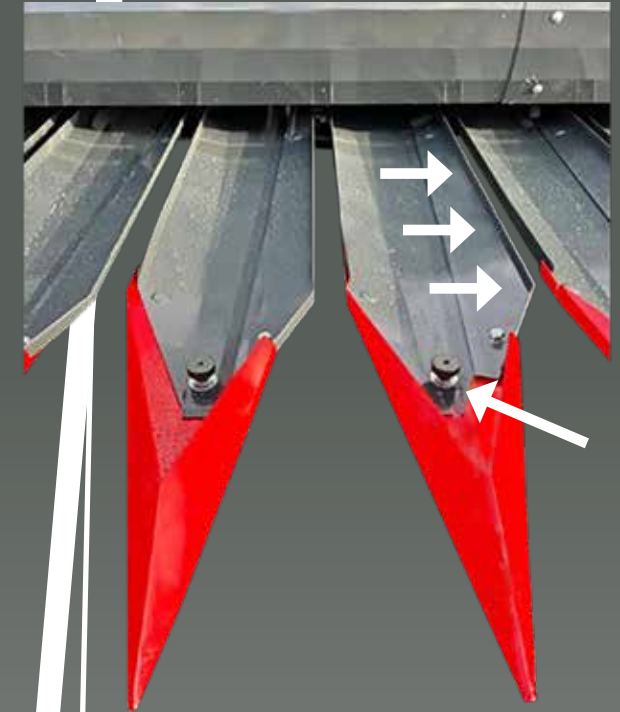
A retractable side plate on each divider allows to regulate the distance between lifters from 4 cm to 6.5 cm depending on the size of the basket and the thickness of the stem.

FORM OF DIVIDERS

Dividers have a form of wide and deep trays with high edges. The length of a divider is 1.6m, and its width is adjustable from 24 cm to 26.5 cm.

REGULATION SYSTEM – INNOVATION OF CAPELLO

An exclusive adjustment system allows you to change the gap between the dividers with one move. You should simply loosen an adjustment screw and pull the divider's nose towards or away from you. Thus, the plate moves out from the lateral side of the divider or, conversely, moves in.



REEL ADJUSTABLE IN HEIGHT AND SPEED

The height of the reel can be adjusted hydraulically on the move allowing the header to match the high-performance standards independently from the type of sunflower or field conditions. The reel rotation speed is also regulated from the combine cab. It allows the header's speed synchronization with the combine's speed.

REEL GEOMETRY

The reel blades have a spiral shape for the most uniform supply of sunflower baskets to the header auger.

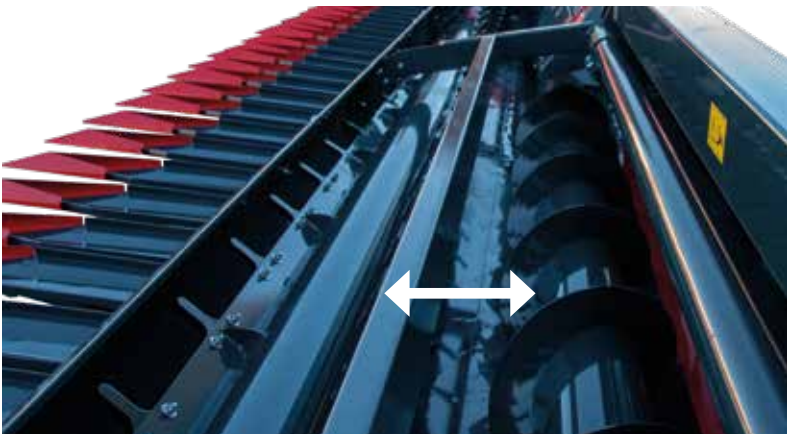


REEL WITH REINFORCED BLADES

The reel is equipped with reinforced blades along its entire length, which clean the distance between the dividers during harvesting and push the material.



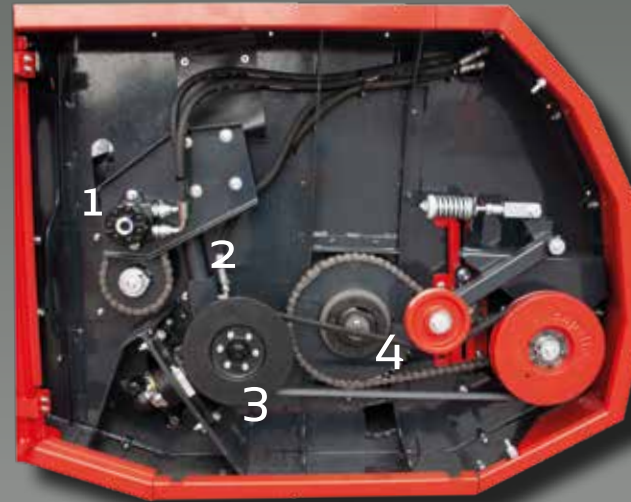
The distance between the reel and the auger is slightly increased in comparison with other headers present on the market. This feature is explained by the need to maintain the performance of the header, as its working speed can reach 15 km/h. At this speed, the flow of baskets to the auger increases, and free space is required in order to avoid material accumulation or undesired losses.



REEL HEIGHT AND SNAPPING ROLLER

Hydraulic cylinder 1 adjusts the height of the reel.

The snapping roller 2 speed is synchronized with the rotation speed of the reel for even better cutting of the sunflower.



REGULATION OF THE HEADER'S CAPACITY

The header has a hydraulic reel drive 1 for adjusting the reel rotation speed and hydraulic cylinders that move up and down the reel 2. This is necessary to adjust the throughput capacity of the header to the settings of combines for its maximum loading, harvesting, and sunflower conditions. Schumacher cuttings system makes a part of the

header's standard configuration 3. The transmission shaft is equipped with safety clutch 4.



REEL COVER

The reel is equipped with a special cover that bends the plant forward. The basket slides down smoothly and is cut without a stem.



AUGER

The distance between the spiral turns of the auger is reduced for faster material feeding. The turns themselves are made of 5 mm thick reinforced steel.



REEL COVER ADJUSTMENT

The angle of inclination of the cover above the reel, and the distance between the cover and the reel blades accordingly, is adjusted separately and does not depend on the reel itself or other parts.



MATERIAL FEEDING

The central part of the auger is equipped with replaceable fingers to push the material into the feeder house of the combine. Moreover, the number of fingers and the distance between them can be changed based on the client's need.



SNAPPING ROLLER

A snapping roller is installed as a standard that ensures cutting of the sunflower basket without the stem part. If the tillage technology provides the cut of a basket together with the stem, then the snapping roller can be easily dismantled.



TRANSMISSION SHAFT

The main part of the drive is a reinforced fixed shaft, not a simple cardan shaft, that greatly improves the reliability of the header.



In its basic configuration, HELIANTHUS PRO has an independent from the combine harvester adjustment angle during the work in the field. This feature prevents seed spilling from the dividers.



The height of the header sidewalls has been increased to minimize losses and prevent the sunflower baskets from rolling over the edges of the header.

TECHNICAL DATA



	CUTTING WIDTH [m]	TOTAL WIDTH [m]	WEIGHT [kg]
HELIANTHUS PRO 5.7	5,7	6,3	1800
HELIANTHUS PRO 7.5	7,5	8,0	2400
HELIANTHUS PRO 9.4	9,4	9,9	2900
HELIANTHUS PRO 12.0	11,9	12,4	3500

Specifications are not binding and are subject to change without notice.



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