



Falcon Receiving hopper

Potato-friendly Falcon receiving hopper

Pushing innovation in technology and machinery to the limit so that your crop can be handled in a fast and effective, as well as a potato-friendly manner, that's the goal of AVR. The Falcon receiving hopper is available in several versions and with different roller variations, so that the user can virtually custom-tailor his machine.

■ Extremely gentle handling of your crop

- 100% gentle handling of the crop, because all steel parts of the hopper floor are covered with soft rubber.
- The drop height between the bunker floor and the roller set can be adjusted from 16.5 to 21.5 cm.
- The drop height of the roller set to the product transport belt can be set from 25 to 35 cm and with the fall breaker fingers option ca. 10 cm.
- The diameter of the cleaning rollers is 90mm. These small rollers ensure that the product is easily transported over the roller set to the end, thus ensuring a potato-friendly flow.
- The intake height is hydraulically adjustable.

■ Technically powerful

- Thanks to the capacity control, one can regulate a constant flow to the roller set.
- The floor chain has 19.2 tonnes of tractive power per chain.
- The speed can be adjusted from 0.5 (0.2 as an option) to 6.5 m/min.
- Thanks to the hydraulic drive, plenty of torque is available at low floor speed as well.
- Thanks to the way the shearing elements were designed, the rollers can be quickly exchanged. So the suitable roller (or a combination thereof) can be used for each type of crop.
- The receiving hopper is controlled via a touch screen and a numerical keypad.



Technical data

High capacity and screening intensity

- Thanks to the flat inclination angle of the bunker floor, the product is easily transported upwards in a thick layer.
- The bunker floor is standard with a kink on the back so that the product is separated for a constant flow to the roller set. This increases the sieving capacity.
- The PU spiral roller set guarantees, in addition to an excellent screen capacity, a soft roller bed for the potatoes. The Boost function allows the roller set to clean itself.
- The product transport belt is height adjustable and can also be slanted for more capacity.
- Thanks to the particular design of the shearing elements, the scrapers (in the case of smooth steel rollers) in every position are located vertically right below the roller, thus preventing build-ups.
- In the event of two roller sets, a simply-designed lift set ensures that the pre-sorter unit can be disconnected. Depending on the rolls, the boost function is also possible.



FALCON	24-45	24-60	24-45	24-60	Type
Tyre size	12.5/80-15.3 14PLY	12.5/80-15.3 14PLY	12.5/80-15.3 14PLY	12.5/80-15.3 14PLY	p
Entry width	3.30	3.30	3.30	3.30	m
Floor length	4.5	6.0	4.5	6.0	m
Capacity	120-150	120-150	120-150	120-150	t/h
Floor speed	0.5 (0.2 as an option) to 6.5 m/min	0.5 (0.2 as an option) to 6.5 m/min	0.5 (0.2 as an option) to 6.5 m/min	0.5 (0.2 as an option) to 6.5 m/min	m/min
Width of roller set	2.40	2.40	2.40	2.40	m
Number of rollers	8 (+1)	8 (+1)	15 (+1)	15 (+1)	
Roller distance cleaning	5-55	5-55	5-55	5-55	mm
Roller distance 2nd roller set	n/a	n/a	5-65	5-65	mm
Diabolo rollers (pre-sorting)	n/a	n/a	35-65	35-65	mm
Roller speed (continuous)	60-160	60-160	60-160	60-160	RPM
Power voltage	400	400	400	400	V
Frequency	50	50	50	50	Hz
Hydro-unit bunker floor + roller sets	11	11	11	11	kW
Standard transport belts	3.00x0.80	3.00x0.80	3.00x0.80	3.00x0.80	m



Ask for more information, we'll be happy to help you:

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