

Royal

Silage trailer



Royal

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Royal 2-rotor-system

Enormous pickup, dependable cutting precision, top power saving

With the purchase of a BERGMANN Royal, you are not just getting another silage trailer for picking up your valuable feed. The Royal offers system engineering which has been adapted for professional agricultural operations and farm contractors. All vehicles are equipped with exclusive equipment as well as a practically designed loading and cutting system to meet the highest quality demands.



All models are equipped with a high-quality 4-spring tandem chassis. This offers high stability, driving comfort and good pulling qualities (11-16 t).



With the wind guard roller (optional) uneven swaths will be easily picked up without losses caused by wind and the pick-up (as seen here on the Royal 21S). Fold-away equipment increases the versatility.



All Royal S models can be equipped with a hydraulically driven cross conveyor belt for stall feeding or filling of tower silos. When not in use, it is easily slipped under the vehicle.



The spacious one, the Royal 26 K offers the manoeuvrability of the 24 K with a larger volume, 16 t chassis and standard DLB system. A low drawbar is optionally available. All vehicles can be equipped with 600 tires (22.5").

Easier, quicker service

User friendly and precise

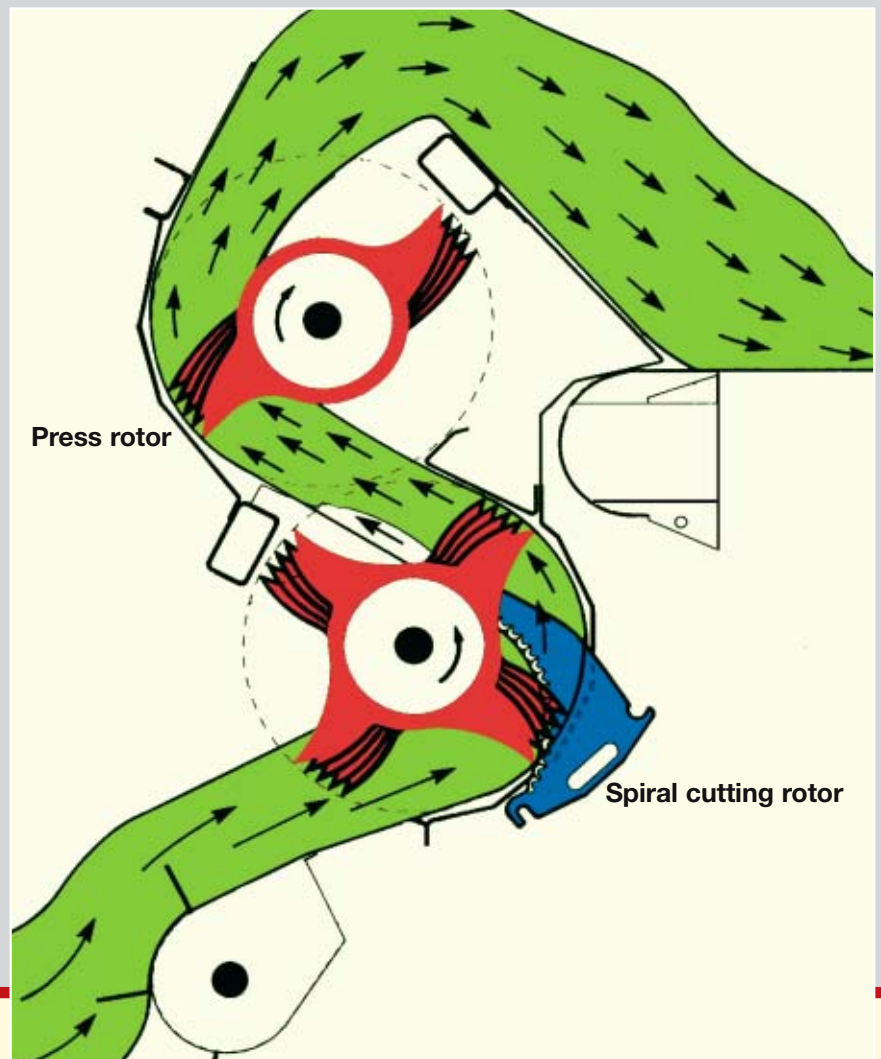
Important cutting unit functions can be operated comfortably from the side of the vehicle.



The 41 special knives which are organised in one row can be replaced and the cutting unit cleaned, without the use of tools, in approx. 5-8 minutes. Each knife is individually protected against damage from foreign objects. The cutting length of 34 mm guarantees chopping quality.



By actuating the mechanical knife pre-selection (0-41) the cut length of the material can be adapted to meet requirements. The precisely cut feed is quickly transferred to the press rotor (pre-compacting). Because of the separation of the two processes, there is no load peak. This means that crushing of the material is not possible.



With the BERGMANN 2-rotor loading system the cutting and pressing processes are separated from each other. The design and rotational speed of both rotors are so well synchronised that no damage to the material can occur.

The cutting rotor with its four spiral rows of tines (\varnothing 590 mm means less leverage = less power needed) transports the material evenly to the 41 knives. A second rotor, equipped with 2 rows of tines conveys the already cut material carefully into the bin with optimal compression.

The result

Top performance throughout

The solidly constructed rear wall swings open completely to allow the material to be unloaded quickly without constrictions.



K-vehicle



S-vehicle



◀ The standard scraper floor control with visual level indicator provides for easy off loading.

▲ Aggressive tines on the dosing rollers distribute the material on the horizontal silo quickly and evenly without constrictions.

The dosing rollers switch on automatically when the tailgate is opened. The drive is protected by a separate clutch.

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Easy operation

- comfortable and safe



With the Royal, you will pickup large quantities of feed from fields and difficult wet terrain quickly. Optionally, the Royal can be equipped with wide tires. These tires, with their wide contact surface and large diameter, guarantee critical stability as well as good pulling qualities on the silo and in the fields.



The Royal 30 K without dosing rollers combines all technical features of the S vehicle. It has a capacity of approx. 50 m³ at medium compression.

The double rotor unit is driven by a special, sturdy HD roller chain. The automatic lubrication system, which is standard equipment, guarantees a long service life and dependability.



Controls:

All necessary functions are located on a clearly arranged control panel which is within the tractor drivers reach.



The tailgate indicator shows how far the tailgate is opened.



The auto-load (optional) simplifies the loading operation and makes the driver's job easier.

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Technical Data

Dimensions and weights		Royal 21 S/24 K	Royal 23 S/26 K	Royal 28 S/30 K	Optional:
Sidewalls		Fold-down	fixed	fixed	tires
Vehicle dimensions					500/50-17
Length	mm	8.200 / 7.900	8.200 / 7.900	9.100 / 8.800	500/55-20
Width	mm	2.420	2.420	2.420	550/45-22.5
Height (raised sidewalls)	mm	3.350	3.700	3.750	600/40-22.5
Height (fold-down sidewalls)	mm	2.660	–	–	16 t
Ground clearance	mm	350	350	350	16 t version (self steering axle)
Pick-up width	mm	1.900	1.900	1.900	low drawbar
Ground clearance with extended hydraulic drawbar	mm	650	650	650	filling hood w/ and without automatic function
Net weight	kg	5.840 / 5.640	5.860 / 5.660	6.380 / 6.180	wind roller
Maximum gross weight	kg	11.000	16.000	16.000	3 rd dosing roller
Additional load	kg	5.160 / 5.360	10.140 / 10.340	9.620 / 9.820	load sensing
Capacity at medium compression	m ³	36 / 41	39 / 45	48 / 50	cross conveyor belt
Capacity i.a. DIN 11741	m ³	21 / 24	23 / 26	28 / 30	
Number of knives	St.	41	41	41	
Shortest theor. cut length	mm	34	34	34	
Electromagnetic comfort controls		Series	Series	Series	
Power demand	(hp)	85	90	120	

Measures, weights and technical data subjects to change without notice. All illustrations, dimensions and weights do not necessarily correspond to the series model and are non-binding.



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Ludwig Bergmann GmbH • Maschinenfabrik

Hauptstraße 64-66 · 49424 Goldenstedt/Germany
Tel.: +49 (0) 44 44 - 20 08-0 · Fax: +49 (0) 44 44 - 20 08 88
www.bergmann-goldenstedt.de · info@l-bergmann.de