

ROYAL 260 S _ ROYAL 280 K
ROYAL 280 S _ ROYAL 300 K

BERGMANN

...the specialists

Loader Wagon ROYAL

For powerful green fodder harvest





*Proven quality:
„Made in Goldenstedt“*



BERGMANN, a successful, medium-sized, family-owned company in the third generation, has been firmly linked to its business location in Goldenstedt and its people for over 120 years.

Our actions are determined by an awareness of tradition and our innovative strength. Our state-of-the-art machines for spreading and grassland technology, harvesting and transport logistics meet the highest quality standards and are in use worldwide every day.

As a strong and reliable partner in the agricultural sector, we develop and produce practical agricultural technology for our customers at our company's factory in Goldenstedt. Our company philosophy, our ambition and our commitment are:

Quality „Made in Goldenstedt“





The **trailer height** can be easily adjusted.



The **drawbar and knife beam** can be easily adjusted on the left side of the vehicle.



All **ROYAL** models are equipped with a high-quality **4-spring-assembly**. This provides high stability, driving comfort and smooth towing.

BERGMANN Loader Wagon ROYAL

Tandem | 16.000 kg



The **ROYAL** models are equipped with high drawbar as standard.

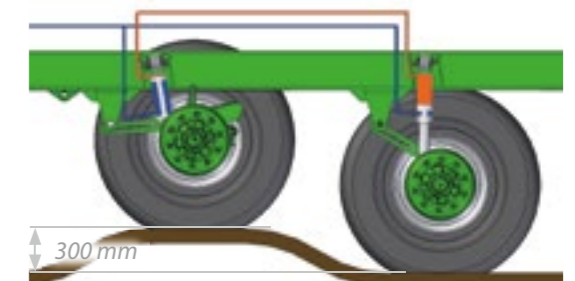


The low drawbar is optionally available.



The **narrow drawbar** design ensures high manoeuvrability and low wear. The jack stand can be swivelled up and fastened to the frame.

The **hydraulic chassis** is optionally available. The 300 mm hydraulic axle compensation provides for the best driving performance, the highest standing and driving safety, stability and off-road handling. Bumps are reliably absorbed, ground pressure is significantly reduced and wheel sinking in is minimized.



A **follow-up steering** system is optionally available for even greater driving comfort, significantly less tire wear and more ground protection.

The **controlled pick-up** with a pick-up width of 1,940 mm, five rows of tines and a tine spacing of 55 mm ensures rake-clean and gentle forage pickup. The swath roller and steered guide wheels are standard equipment and ensure even material flow to the cutting rotor.



The pick-up's depth control is optimised by the optionally available **guide roller** for an even cleaner material intake and thus even better forage quality.

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Cutting unit
The 34 mm short cut unit, with 41 knives at one level, ensures an exact, optimum long cut and ensures the best silage quality. The knives remain sharp for a long time and are easy to replace.



Knife beam
Each of the 41 knives is individually protected against foreign objects and returns to the cutting channel automatically after contact with foreign objects. This ensures the permanent short cut. The knives can be removed and installed without tools in just a few seconds and the knife beam can be swivelled out hydraulically. The knives are automatically unlocked and can be removed without tools. Lifting the high-lift drawbar at the same time increases the space under the **ROYAL** so that the knife beam no longer needs to be swung out to the side.

BERGMANN 2-Rotor Loading System
The cutting and pressing processes are separated from each other. The two rotors are synchronized in design and working speed so that the material cannot be bruised or crushed during the loading and transfer phase. The unique rotor system results in lower leverage force and makes the **ROYAL** extremely energy efficient.



The 2-rotor unit is driven by a strong **special heavy duty roller chain**. The standard built-in automatic lubrication system for the rotor and pick-up drive chain ensures drive system durability and reliability.



The **cargo space with its wooden floor** is optimally filled through the conveyor channel. The smooth inner sides and side walls in the front section reduce friction during the loading process.



The lubricated **chain tensioner** guides are easily accessible and allow easy chain re-tensioning.



The four **round steel chains** (ea. 11 x 31 mm, 15 t per chain) are deeply embedded in large chain wheels (little wear and tear). The chains are stretched in pairs. Deflection pulleys with scrapers in the front and rear ensure safe scraper floor chain guidance.



The large, lockable **cargo space entrance** is standard on the S-models and optional on the K-models. It is mounted on the right side and allows easy access via the low-reaching, fold-out ladder.



Lighting concept



Optional interior and exterior lighting. Desired areas, e.g. cargo space, axle assembly, etc., can be specifically illuminated using powerful LED spotlights.

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Fast and powerful **unloading** of the **ROYAL** can be carried out with the optional dosing rollers (S-model) or without (K-model).



The **S-model** dosing unit standard with three dosing rollers (ROYAL 260 S / ROYAL 280 S).

K-model without dosing rollers (ROYAL 280 K / ROYAL 300 K).

Optional equipment



A **filling hood with automatic loading system** and adjustable time delay is also optionally available. Depending on the setting, the loaded material can be compacted more or less.

The S-models can be optionally equipped with a **cross conveyor belt** for filling the silo from the side or for direct unloading onto the feeding table in the barn. When not in use, it is simply slid under the **ROYAL**.



All **ROYAL** models are ISOBUS compatible. The selection of the different operating modes makes easy operation possible in any situation. The hardware and software are AEF / ISOBUS certified.

BERGMANN Loader Wagon ROYAL Operation



BERGMANN Comfort Terminal BCT 20 with an illuminated keypad, different modes, trip counter, programmable sequence controls, clear and precise symbols, automatic loading and unloading (optional).



Optional **CCI50 / CCI200 ISOBUS Operating Terminals** – simple operation and adjustment of all functions, automatic loading and unloading, programmable control sequence, colour touch screen display, multiple interface options, possible camera image display.



Optional **CCI1200 ISOBUS Operating Terminal**

- **Flexible Layout** – displays multiple apps simultaneously
- **Multi Touch** – smartphone level operation
- **2 x Universal Terminal** – operate two ISOBUS machines simultaneously
- **Help System** – help when it's needed
- **Camera** – display of up to eight camera images
- **Task Control** – documentation with ISO-XML 14

Technical data

		ROYAL 260 S	ROYAL 280 K	ROYAL 280 S	ROYAL 300 K
Dimensions and weights		Tandem	Tandem	Tandem	Tandem
Vehicle dimensions					
Length*	mm	9,330	8,745	9,330	8,745
Width*	mm	2,435	2,435	2,435	2,435
Height with mounting frame*/**	mm	3,705	3,705	3,855	3,855
Ground clearance pick-up*	mm	~ 350	~ 350	~ 350	~ 350
Ground clearance with extended high-lift drawbar*	mm	~ 600	~ 600	~ 600	~ 600
Dead weight*	kg	6,650	5,990	6,700	6,040
Gross vehicle weight*	kg	16,000	16,000	16,000	16,000
Payload*	kg	9,350	10,010	9,300	9,960
Capacity at medium compression*	m ³	48	51	51	54
Capacity according to DIN 11741 *	m ³	26.8	28.4	28.4	30.0
Cut length	mm	34	34	34	34
Number of knives	pcs.	41	41	41	41
Pick-up intake width	mm	1,940	1,940	1,940	1,940
Power requirements	KW HP	59 - 132 80 - 180	59 - 132 80 - 180	59 - 132 80 - 180	59 - 132 80 - 180

* depending on equipment ** with tire 620/40 R 22.5 Vredestein

Optional:

- Low drawbar
- Steering axle
- Automatic filling hood
- Sprung drawbar (hydropneumatic)
- Cross conveyor belt
- BERGMANN Comfort Terminal BCT 20
- ISOBUS terminals CCI 50, CCI 200 and CCI 1200
- Various lighting possibilities
- Various tire options, etc.

We reserve the right to make changes to dimensions, weights and technical data. Dimensions and weights do not necessarily correspond to series versions and are not binding. Illustrations may contain additional equipment.

Our product range contains the right vehicle for every operation and every application.

- ▶ Manure Spreaders
- ▶ Universal Spreaders
- ▶ Loader Wagons
- ▶ Forage Transport Trailers
- ▶ Body Swap System
- ▶ Grain Transfer Trailers
- ▶ Beet Transfer Trailers
- ▶ Self-propelled systems

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