

GTW 330 / GTW 430

Transfer trailer for the highest performances



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The BERGMANN grain transfer trailers **GTW 330 / GTW 430** optimise the entire crop harvesting performance.

The ever increasing harvesting capacity and grain tank volumes of modern combine harvesters require a powerful link that can reliably transfer these quantities, quickly and without stopping and waiting times.

The BERGMANN grain transfer trailers, with a capacity of max. 33 m³ (**GTW 330**) and max. 43 m³ (**GTW 430**), were developed specifically for such tasks and for use with modern high-power tractors. The newly designed transfer conveyor, with its 600 mm diameter, achieves a transfer capacity of 1,100 t/h.



High tonnages, fast driving and enormous transfer capacity require extraordinary stability and strength. For this reason the **GTW 330 / 430** body is made of solid, fully welded steel sheets. The frame and axles are designed for respectively high loads.

The well thought out **GTW 330 / 430** concept combines high performance, safety and efficiency and also significantly minimises maintenance and cleaning times.

The **GTW 330 / 430** is suitable for many uses with all free-flowing materials such as grain, corn, sunflower seed, linseed, rapeseed, other seed, fertilizer, etc.



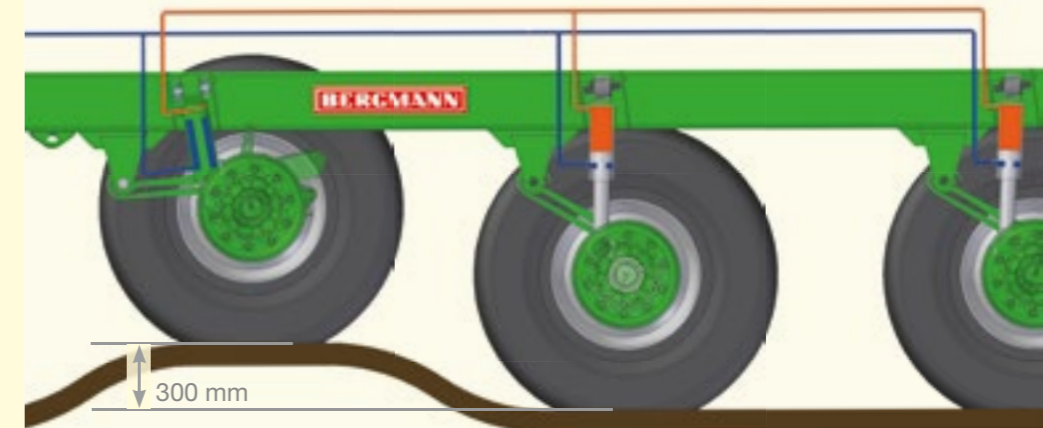
The **GTW 330 / 430** comes equipped for a low hitch. The drawbar and chassis can be hydraulically height adjusted. The optional drawbar suspension reliably dampens shocks and vibrations. Stands securely – high ground clearance: The solid jack stand can swing up after the drawbar is raised.



The **GTW 330 / 430** can be easily hitched to different tractors and the chassis can be adjusted by operating a valve on the side of the vehicle.



Robust connection of the axles to the chassis is achieved using low maintenance rubber-metal bearings in the chassis cylinder.



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 the sinking in of the wheels is minimised.



The chassis with sturdy axles - optional forced steering - and a lowered center of gravity is designed for maximum loads and forces. Optionally available with a lift axle.



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With the enormous 1,100 t/h transfer capacity, a complete 40 ton truck can be perfectly loaded within 90 seconds.

Maximum Drive Performance:

The entire drive train with all of its components is designed for maximum performance.

The **GTW 330 / 430** transfer conveyor is driven by a large dimensioned angular gearbox which is connected directly to the tractor PTO shaft. The feeder conveyor is driven by a maintenance-free, power shift, 6-rib power belt which provides for very quiet and gentle component drive. For complete emptying of the transfer conveyor the drive can be interrupted during operation if necessary.



Variable Conveyor Capacity:

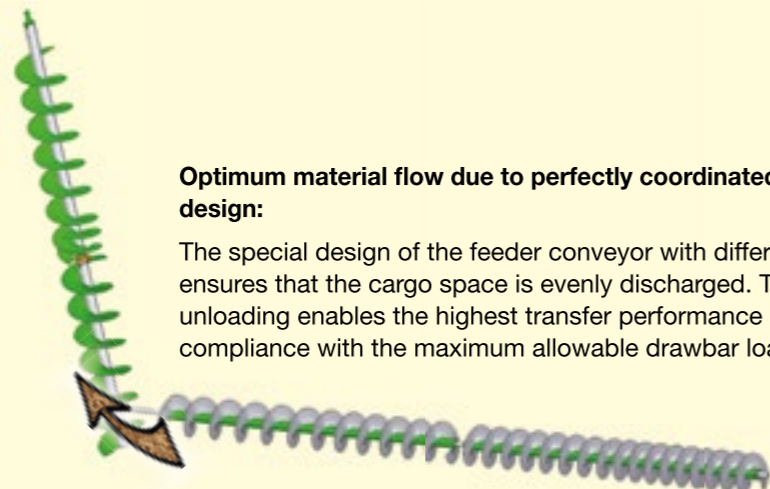
The transfer conveyor speed can be infinitely varied – even flexible during unloading when fully loaded.

For this purpose the rotatable dosing plates above the feeder conveyor are finely adjustable. The load passes into the conveyor chambers along its entire length. All granular goods are carefully dosed and the transfer power is adapted to the current cargo.



The flexibility of this dosing adjustment is highlighted by the possibility to see the opening width on the front of the **GTW 330 / 430** from the tractor.

The opening width can also be hydraulically limited, so that it is possible to return to that load limit.



Optimum material flow due to perfectly coordinated conveyor design:

The special design of the feeder conveyor with different pitches ensures that the cargo space is evenly discharged. The uniform unloading enables the highest transfer performance and compliance with the maximum allowable drawbar load.



An Outstanding New Feature:

The transfer conveyor inclination is hydraulically adjustable.

The transfer width reaches up to 3.30 m and the transfer height up to 5.80 m.

The tilt angle can be infinitely adjusted during operation. With the optional hydraulic swivelling unloading tube extension transport vehicles are precisely loaded and spray losses are prevented. In this configuration the **GTW 330 / 430** is ideal for filling seed drills or fertilizer spreaders.

Thus the **GTW 330 / 430** adapts to the transfer circumstances flexibly, accurately and quickly, and even reaches transport vehicles that are standing further away or higher.

The transfer conveyor has a diameter of 600 mm.

Double driving pins and a double conveyor flight in the upper conveyor half optimise material flow and ensure consistent high transfer performance.



Complete emptying takes place at the lowest points on the bunker and the transfer conveyor. The vehicle can be easily cleaned and the conveyors can be inspected by opening the large flaps.

The robust folding mechanism and the hydraulic conveyor lock ensure smooth work performance and high safety – even when driving with the conveyor extended.



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Harvest and loaded materials can be protected from moisture and rain within seconds.

The **GTW 330 / 430** optional cover can be operated comfortably and hydraulically from the tractor, it also reliably covers higher material cones.

The open tarpaulin is folded tightly on the side wall and allows for unrestricted filling.

The optional hydraulic swivelling unloading tube extension makes the **GTW 330 / 430** optimally equipped for use as a transport or filling vehicle for seed or fertilizer.



Two large viewing windows on the front side of the **GTW 330 / 430** provide a clear view into the cargo space.



With various types of lighting and camera systems for monitoring, the **GTW 330 / 430** can be individually adapted to different requirements.



The clear, distinct, easy to understand symbols on the electro-hydraulic control unit make it easy to use. The individual hydraulic functions can be quickly and easily handled and the vehicle can be operated safely and efficiently at any time.



The optional weighing system allows precise monitoring of harvest and the loaded weight. In addition, the display terminal has a discharge function which shows the weight of the discharged amount. This makes it possible to load the transport vehicles according to the maximum allowable weight.



The optional load cells are anchored in robust seats and connected to the chassis and the body.

Dimensions and weights

		GTW 330	GTW 430
Length *	mm	9,930	11,690
Width *	mm	2,550-3,000	2,550 – 3,000
Height *	mm	3,975	3,975
Capacity	m ³	30	38.5
Optionally with side wall extensions	m ³	33	43
Side loading height	mm	3,600	3,600
Ø Feeder conveyor	mm	500	500
Ø Transfer Conveyor	mm	600	600
Transfer height max.**	mm	3,625-5,800	3,625 – 5,800
max ***	mm	3,150-5,625	3,150 – 5,625
Transfer width max **	mm	725-3,000	725 – 3,000
max ***	mm	1,315-3,325	1,315 – 3,325
Transfer capacity	t/h	1,100	1,100
Dead weight *	kg	9,800	11,600
Gross vehicle weight	kg		
Street	kg	24,000	34,000
Field use	kg	35,000	48,000
Power demand	KW hp	132-257 180-350	162-294 220-400

* Depending on equipment ** without unloading tube extension *** with unloading tube extension

Optional:

Tires:

710/50 R 26.5

750/45 R 26.5

800/45 R 26.5

750/60 R 30.5

800/45 R 30.5

Electro-hydraulic forced steering

Lift axle

Side wall extensions

Weighing system

Pilot box

Unloading tube extension – hydraulic swivel mechanism

Hydraulic cover

Camera systems

Various lighting variations

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Manure Spreaders – Universal Spreaders – Loading and Silage Trailers – Forage Transport Trailers – Vario Systems – Special Vehicles

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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.