

Tipper trailers

Designed for the rough. Thought-out down to the last detail.



FIRST CLASS TRANSPORT





Designed for the rough. Thought-out down to the last detail.

The passion for innovative transport solutions has been driving us for over 60 years. With a clear goal - we build trailers that make your work easier, are practical to handle and absolutely safe - no matter what happens. Every day! The new tipper trailer generation from Böckmann is designed for 100 percent reliability. The uncompromising quality, clever details and optimised user-friendliness make our tipper trailers the safest in their class. Find out more on the following pages. We hope you enjoy browsing through our range!

Kon Boden

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Quality. Nothing done by halves.

What makes a Böckmann tipper trailer so special? It's very simple: The top-class combination of robust, durable, stable construction and practical functionality. Newly designed, even stronger side walls with optimised profiles keep bulk material, building materials or green waste securely in place. They make sure that almost nothing is lost on the road. The tipping angle of 45 degrees offers absolute professionalism and at the same time optimised user-friendliness. Cleverly designed details guarantee maximum safety. Why don't you take a look yourself? Browse through this brochure and then contact your local Böckmann partner. Your Böckmann dealer will provide reliable, honest and competent advice!

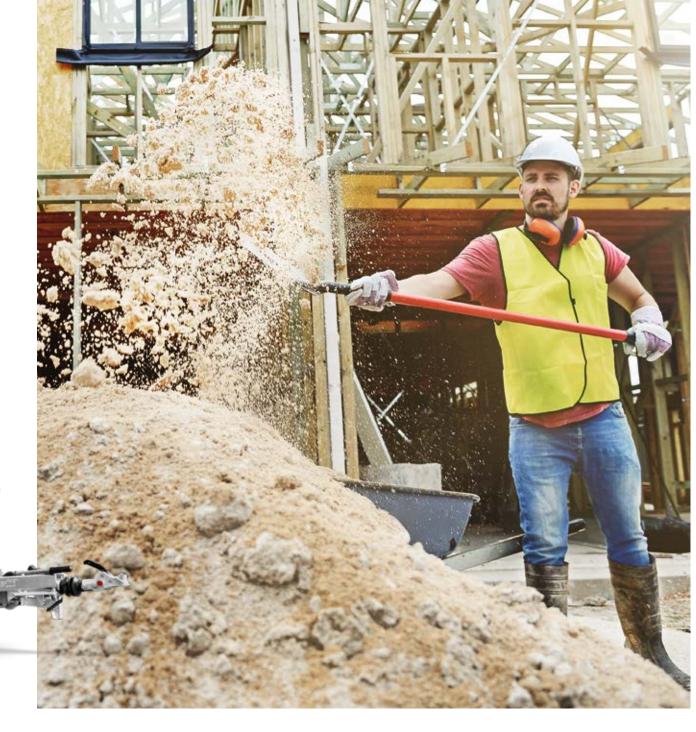


Illustration shows DK-AL 3218/30 P, braked, with heavy-duty automatic jockey wheel (accessory).



Model selection. Basic and Profi.



Basic models: Backwards and 3-side tipper trailerSingle axle and tandem version

- ✓ Long-stroke locking device
- ✓ Fully screen-printed floor
- √ 300 mm aluminium side walls
- ✓ Optional rail storage in the lower bridge
- ✓ Total weight of up to 3 t

Turn to page 6 for further information.



Profi models: 3-side tipper trailer

Tandem and tridem version

- ✓ Standard electrohydraulics with emergency stop battery disconnector
- ✓ Angle lever locks
- ✓ Steel sheet floor on screen-printed floor
- ✓ 350 mm aluminium side walls or 400 mm steel side walls available
- ✓ Optional rail storage in rail slots, the rails are removed from the rear
- ✓ Total weight of up to 3.5 t

Turn to page 12 for further information.

At a glance. Basic models.

The robust tipper trailers from the Basic class have an impressively high, first-class quality standard. The optimised frame construction provides even more stable lateral rigidity and an even larger transport capacity. The solid workmanship and cleverly designed details, such as the rail storage in the lower bridge or the lashing shackles recessed into the loading platform, ensure a high degree of flexibility and at the same time offer maximum safety with the highest level of driving comfort.

Overview of model variants

L x W inside dimensions (mm)	Total weight (kg)
2560 x 1400	1500
2560 x 1650	1500/1800/2000/2700/3000
3060 x 1650	2700/3000

Additional basic versions are shown on the following pages. Further Technical details can be found in the tables on page 23.

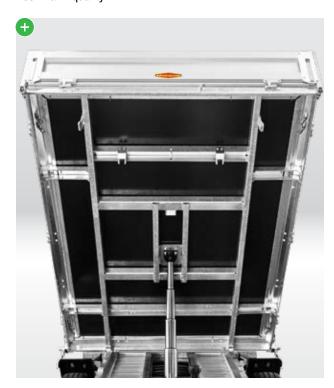






Standard features. Basic models.

From the solid frame construction for maximum strength to convenient long-stroke locking device and the new side walls for improved load securing — the first-class workmanship and high-quality materials are all evidence of the original Böckmann quality.



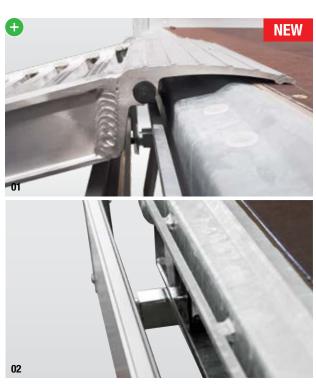
Base frame and steel profile bridge

Welded and hot-dip galvanised base frame with solid steel profile bridge. The full longitudinal beams in the upper bridge provide extra stability as well as torsion and tilt resistance.



Prepared rail storage in the lower bridge

By retrofitting rail angle profiles (accessories), rail storage is provided in the lower bridge for easy and safe transport of the loading rails (accessory).



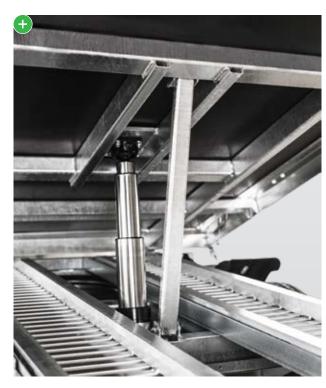
Loading rail bracket (01) and fixture (02)

The rails are hooked to a securing bracket at the rear, providing maximum safety and position flexibility (from model 2516).



Telescopic cylinder with hand pump

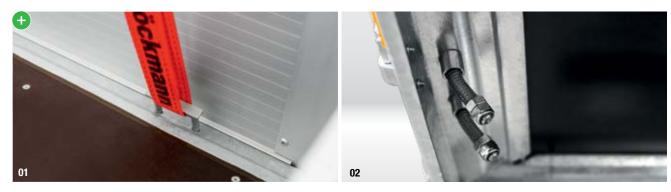
Large hydraulic telescopic cylinder with hand pump for easy raising and lowering of the loading platform, protected between the V-drawbar. The hydraulic hoses are safely laid in the longitudinal beams.



Safety support

The safety support secures the upper bridge and prevents it from dropping during maintenance.





Recessed, rattle-free lashing shackles (01) with spring (02)

Four lashing shackles for safe lashing of the load. Due to the bevelled edge, the lashing shackles are flush with the floor, creating a flat surface for loading. Max. traction: 500 daN. (for model RK-AL 2514/15, lashing shackles are available as accessory)



New hinge profile and side wall construction with mechanical sealing

The new hinge profile is protected from falling dirt when the side wall is folded down by its closed construction at the top (02). The new side wall design ensures almost loss-free cargo transport. The side wall has a mechanical seal (01).



Wide tipping angle

All tipper trailer models have a tipping angle of 45° for faster tipping of the load. Even loads that are difficult to move are tipped safely and quickly. Illustration shows a swinging rear flap (accessory).



Non-interchangeable locking pin

The non-interchangeable system for the securing pin ensures a higher level of safety. Incorrect insertion of the pins and a misalignment of the bridge is impossible.



High ground clearance

The high ground clearance enables a close approach to large slope angles. Illustration shows telescopic crank drop legs and spare wheel holder (accessories).



Bolted V-drawbar

The V-drawbar is easy to maintain due to its bolted connection for a long service life of the trailer. Illustration shows electrohydraulics (accessory).



Front bearing with degree of freedom to the front and rear

Tilting mechanism insensitive to load – even irregular loading does not restrict the tipping mechanism.



Eccentric lock on front profile

for more driving safety, especially with fitted bodies. Illustration shows electrohydraulics (accessory).



Automatic jockey wheel

for firm stability and fast cranking (accessory for RK-AL 2514). Illustration shows electrohydraulics (accessory).



Long-stroke locking device and steel corner rungs

The long-stroke locking device guarantees safe and convenient closure of the side walls. Four practical steel corner rungs with solid hooks (removable) for more stability in the side walls and, for example, for inserting a ladder rack or steel grass rails. Illustration shows electrohydraulics (accessory).



Flat handbrake lever and safe hitching

The flat handbrake lever enables convenient access to the boot of the towing vehicle. The solid cast coupling ensures that the trailer is safely attached.



High quality tyres and strong axle support

The tipper trailers of the Basic model range are equipped with high-quality 14" tyres (RK-AL 2514/15 with 13" tyres) as well as a multiple bolted axle unit with long supports. Illustration shows wheel shock absorbers (accessory).



Fully screen-printed floor

The fully screen-printed floor provides a stable, bolted and non-slip loading platform. It is multi-bonded and sealed.



Folding front wall

Optimum loading is possible (front wall cannot be completely folded down when the side wall is extended and the box attachment is mounted). Illustration shows electrohydraulics (accessory).

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At a glance. Profi models.

Extremely robust and user-friendly: The Profi models of our tipper trailer range not only have an impressively solid and high-quality frame construction, but also score points with well-designed details. These include, for example, the rail mounts in the lower bridge and solid angle lever locks for maximum safety. A magnetic remote control, which can be fixed to the frame and towbar, ensures maximum convenience and easy handling. With a side wall height of 350 mm in the aluminium version and 400 mm in the steel version, the cargo is transported almost without losses and above all safely.

Overview of model variants

L x W inside dimensions (mm)	Version	Total weight (kg)
2560 x 1650	aluminium	2700/3000
3240 x 1800	aluminium/steel	2700/3000/3500
3740 x 1800	aluminium/steel	3000/3500
4140 x 2100	aluminium/steel	3500

Additional basic versions are shown on the following pages. Further Technical details can be found in the tables on page 23.

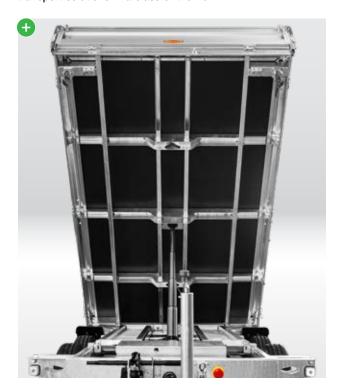






Standard features. Profi models.

With features such as the CE-compliant electrohydraulics with emergency stop battery disconnector and the rail slots in the lower bridge, the new Profi models combine first-class quality and maximum safety to create long-lasting and stable transport solutions in a class of their own.



Base frame and steel profile bridge

Welded and hot-dip galvanised base frame with solid steel profile bridge. The high longitudinal beams in the lower bridge ensure torsion and tilt resistance.



Prepared, lockable rail slots

The rail slots ensure uncomplicated retrofitting of rail angle profiles and loading rails (accessories). The rails are conveniently removed from the rear.



Loading rail bracket and fixture

The rails are hooked to a securing bracket at the rear, providing maximum safety and position flexibility.



Standard electrohydraulics with emergency stop battery disconnector (02)

for fast and convenient unloading of bulk materials (up to model 3218 optionally deselectable). The entire electronics are located in a splash-proof container (01) with cover (02). The new drive battery has even more power and offers a maximum number of tipping operations. The remote control with spiral cable (03), which is also new, is magnetic and therefore can be attached to almost any point on the trailer. In addition, the remote control can be removed to prevent use by unauthorised persons. The emergency stop battery disconnector (04) is the safest on the market and prevents loss of power due to leakage current.



Telescopic cylinder with hand pump

Large hydraulic telescopic cylinder with hand pump (incl. release valve for smooth lowering) if the electrohydraulics fail, protected between the V-drawbar. The hydraulic hoses are safely laid in the longitudinal beams.



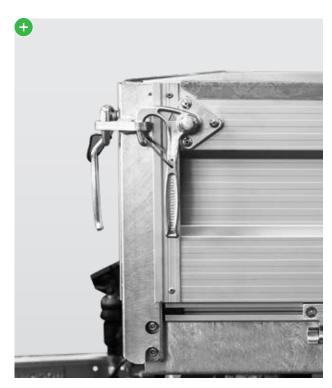
Safety support

for securing the upper bridge. This prevents a sudden drop.



Non-interchangeable locking pin

The non-interchangeable system for the securing pin ensures a higher level of safety. Incorrect insertion of the pins and a misalignment of the bridge is impossible.



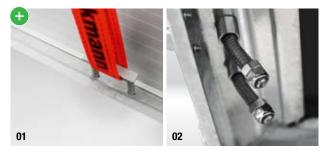
Angle lever locks

The angle lever locks guarantee safe and convenient closure of the side walls.



3-side steel tipper: Robust side walls

In the steel version, the side walls are 400 mm high (DK-ST from model 3218). Can be folded down on four sides for easy loading and unloading.



Recessed, rattle-free lashing shackles (01) with spring (02)

Four lashing shackles for safe lashing of the load. Due to the bevelled edge, the lashing shackles are flush with the floor, creating a flat surface for loading. Max. traction: 500 daN.



New hinge profile

With the new side wall construction and optimisation of the hinge profiles, the cargo can be transported almost without loss. When the side walls are folded down, they are protected from falling dirt by the closed construction at the top.



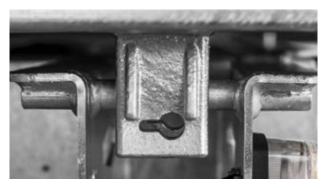
Bolted V-drawbar

The V-drawbar is bolted for a long service life and easy maintenance.



Eccentric lock on front profile

for more driving safety, especially with fitted bodies.



Front bearing with degree of freedom to the rear

Tilting mechanism insensitive to load – even irregular loading does not restrict the tipping mechanism.



High ground clearance

The high ground clearance enables a close approach to large slope angles. Illustration shows a spare wheel holder (accessory).



Charging cable

With 7-pin plug for more comfort when recharging. The charger is easy to connect from the outside (only compatible with CTEK-chargers).



Folding front wall

Optimum loading is possible (front wall cannot be completely folded down when the side wall is extended and the box attachment is mounted).





Flat handbrake lever and safe hitching

The flat handbrake lever enables convenient access to the boot of the towing vehicle. The solid cast coupling ensures that the trailer is safely attached.



Heavy-duty automatic jockey wheel

for firm stability and fast cranking. Standard from 3.5 t total weight.



Dimensionally stable combination floor and robust side walls (350 mm high)

The fully screen-printed floor is reinforced with a galvanised steel floor for extreme point loading and shock resistance. The side walls are made of robust, double-walled aluminium, foldable on four sides, for easy loading and unloading.



Three-axle Profi models Tridem

The three-axle models provide optimum straight-line stability and a good driving balance, especially when the weight is unevenly distributed through the load.



Sturdy axle support and high-quality tyres.

The tipper trailers of the Profi models are equipped with high-quality 14" tyres (DK-ST/DK-AL 4121/35 P T with 13" tyres) as well as a multiple bolted axle unit with long supports. Illustration shows wheel shock absorbers (accessory).

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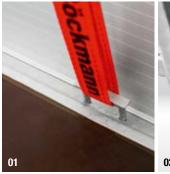
Accessories.Original Böckmann.

The original Böckmann range of accessories offers a wide variety of options to equip every tipper trailer model to meet your individual needs. Further accessories can be viewed online – or simply contact your local Böckmann partners. They will be happy to assist you at any time!



Storage box

The lockable storage box is very spacious with dimensions of $440 \times 150 \times 210$ mm and a max. load of $20 \, \text{kg}$ (not available for the 2516 tandem models).





Additional rattle-free lashing shackles

Additional rattle-free lashing shackles (01) with spring (02) for more lashing points on the loading platform.



Steel sheet cover on the inside of the side wall

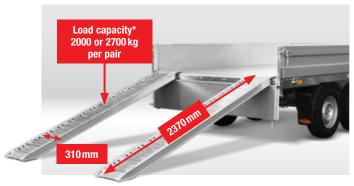
To reinforce the side walls, to enable a higher payload (compared to steel side walls) and for additional protection the aluminium side walls can be equipped with a steel sheet cover.



Swinging rear flap

for a large clearance height during unloading (except model RK-AL 2514).





Loading rails

With the original Böckmann aluminium loading rails, vehicle loading is simplified. The load capacity per pair is 2000 or 2700 kg.



Electric hydraulic pump

with hand pump (standard on Profi models) for fast and convenient unloading of bulk materials. We also recommend the charger cable and charger.



Telescopic crank drop legs

The telescopic crank drop legs can be swivelled and unscrewed, are bolted to the frame and therefore ensure firm stability.



Flexible net hooks

The new flexible net hooks simplify placement of the load securing net along the side walls.



Steel grass rails 600 mm and 1000 mm

The steel grass rails (02) (incl. swinging rear flap) with a height of 600 mm or 1000 mm are particularly suitable for transporting garden waste. Böckmann recommends the use of a load securing net (also available as an accessory) to prevent blowable transported goods from falling by the wayside. The new design of the pendulum mechanism (01) allows convenient removal of the side wall extensions without tools.

^{*} The specified load capacities apply exclusively for loading rails. Please always observe the permissible total weight or payload of your trailer when loading. – We recommend using the loading rails in conjunction with supports.



Aluminium side wall extension

The robust, double-walled and anodised aluminium side wall extension (incl. swinging rear flap) creates more space for your cargo*.



Aluminium box attachment

The anodised aluminium box attachment (01) (incl. swinging rear flap) raises the side walls by 350 mm and doubles the loading volume*. The new design of the pendulum mechanism (02) allows convenient removal of the side wall extensions without tools.



Battery charger

Ensures rapid charging of the battery due to its high performance, so that the trailer is fully operational again after short time.



Side wall gallery and ladder rack

The original Böckmann side wall gallery for secure lashing of the load (not possible with 500 mm side wall and 13" tyres). The ladder rack increases transport and driving safety – especially for high goods.



Wheel shock absorbers





13" special tyres

The 13" special tyres reduce the loading height by approx. $50\,\text{mm}$ – ideal for loading construction machinery.



Spare wheel holder

The spare wheel holder is mounted at the rear under the trailer floor and can be easily pulled out if necessary. Alternatively, it is also possible to mount the holder on the front wall.



Height-adjustable overrun device

With a height-adjustable overrun device the trailer can also be operated with a tractor or a truck tractor.



Radio remote control for hydraulic pump

With the remote control you can easily unload the trailer, even from a distance.



Tarpaulin and hoops

The Böckmann tipper trailer models are also available with tarpaulin and hoops. The tarpaulin can be supplied either as a sliding tarpaulin or as a folding tarpaulin. Other tarpaulin colours and heights are available as well as tarpaulin and hoop constructions that can be folded. Individual lettering is also possible. Your local Böckmann Partner will be pleased to help you!

Accessories. At a glance.





Profi models

At a giante.	2514 ¹⁾	2516	3016	2516	3218	3718	4121
Wheel shock absorbers	•	•	•	•	•	•	•
Reduced loading height thanks to 13" special tyres	×	•	•	•	•	•	•
Steel grass rails	•	•	•	•	•	•	•
Aluminium anodised box attachment ²⁾	•	•	•	•	•	•	•
Tarpaulin and hoops	•	•	•	•	•	•	•
Swinging rear flap	×	•	•	•	•	•	•
Side wall extension to 500 mm ²⁾	•	•	•	•	•	•	•
Galvanised steel sheet on floor	•	•	•	~	~	~	~
Side wall gallery ³⁾	•	•	•	•	•	•	•
Ladder rack	•	•	•	•	•	•	•
Load securing net	•	•	•	•	•	•	•
Lockable storage box 4)	•	•	•	•	•	•	•
Hydraulic connection for tractors	•	•	•	•	•	•	•
Electric hydraulic pump with battery, charging socket (12V/88Ah) and hand pump	•	•	•	~	~	~	~
Net hooks	•	•	•	•	•	•	•
Electric hydraulic pump with integr. permanent charger 5)	•	•	•	•	•	•	•
Charger for electrohydraulics	•	•	•	•	•	•	•
Aluminium loading rails, stowable	×	•	•	•	•	•	•
Telescopic crank drop legs	•	•	•	•	•	•	~
Jockey wheel	~	~	×	×	×	×	×
Automatic jockey wheel ⁶⁾	•	~	~	•	~	~	×
Heavy-duty automatic jockey wheel ⁷⁾	×	×	×	×	~	~	~

¹⁾ Single axle models

²⁾ Front wall cannot be completely folded down with side wall extensions and if the box attachment is mounted

³⁾ Not possible with 500 mm side wall and 13" tyres

⁴⁾ Storage box on 2516 models only available for single-axle trailers. Not possible in combination with telescopic crank drop legs on tandem Basic and Profi models

The unladen weight (basic weight) is increased when accessories are added. The payload is reduced as a result. Please refer to our price list for a full catalogue of accessories. Your Böckmann partners will be pleased to help you!

⁵⁾ Charging cable and connector for charger not included

⁶⁾ Automatic jockey wheel standard on tandem models.

 $^{^\}eta$ 3500 kg versions with heavy duty automatic jockey wheel as standard. For 2700 kg and 3000 kg available as accessory.

Technical
specifications.

RK/DK-AL series

Basic models

RK-AL
RK-AL
RK-AL
RK-AL
DK-AL
DK-AL

DK-AL/DK-ST series **Profi models**

Model	Body inner dimensions			Total					
	Length in mm	Width in mm	Height in mm	weight in kg	Payload in kg	Jockey wheel	Tyres	Loading height in mm	Overrun brake
RK-AL 2514/15	2560	1400	300	1500	1060	Yes	13"	710	Yes
RK-AL 2516/15	2560	1650	300	1500	950	Yes	14"	760	Yes
RK-AL 2516/20	2560	1650	300	2000	1390	Yes	14"	750	Yes
RK-AL 2516/27	2560	1650	300	2700	2080	Yes	14"	750	Yes
RK-AL 3016/27	3060	1650	300	2700	2030	Yes	14"	750	Yes
RK-AL 3016/30	3060	1650	300	3000	2310	Yes	14"	760	Yes
DK-AL 2516/15	2560	1650	300	1500	925	Yes	14"	760	Yes
DK-AL 2516/18	2560	1650	300	1800	1215	Yes	14"	770	Yes
DK-AL 2516/27	2560	1650	300	2700	2055	Yes	14"	750	Yes
DK-AL 2516/30	2560	1650	300	3000	2335	Yes	14"	760	Yes
DK-AL 3016/27	3060	1650	300	2700	2005	Yes	14"	750	Yes
DK-AL 3016/30	3060	1650	300	3000	2285	Yes	14"	760	Yes
DK-AL 2516/27 P	2560	1650	350	2700	2045	Yes	14"	770	Yes
DK-AL 2516/30 P	2560	1650	350	3000	2325	Yes	14"	780	Yes
DK-AL 3218/27 P	3240	1800	350	2700	1770	Yes	14"	760	Yes
DK-AL 3218/30 P	3240	1800	350	3000	2050	Yes	14"	770	Yes
DK-AL 3218/35 P	3240	1800	350	3500	2510	Yes	14"	780	Yes
DK-AL 3718/30 P	3740	1800	350	3000	2000	Yes	14"	770	Yes
DK-AL 3718/35 P	3740	1800	350	3500	2460	Yes	14"	780	Yes
DK-AL 4121/35 P	4140	2100	350	3500	2280	Yes	14"	820	Yes
DK-AL 4121/35 P T	4140	2100	350	3500	2180	Yes	13"	760	Yes
DK-ST 3218/27 P	3240	1800	400	2700	1670	Yes	14"	760	Yes
DK-ST 3218/30 P	3240	1800	400	3000	1950	Yes	14"	770	Yes
DK-ST 3218/35 P	3240	1800	400	3500	2410	Yes	14"	780	Yes
DK-ST 3718/30 P	3740	1800	400	3000	1875	Yes	14"	770	Yes
DK-ST 3718/35 P	3740	1800	400	3500	2335	Yes	14"	780	Yes
DK-ST 4121/35 P	4140	2100	400	3500	2120	Yes	14"	820	Yes
DK-ST 4121/35 P T	4140	2100	400	3500	2020	Yes	13"	760	Yes

AL = Aluminium side walls ST = Steel side walls P = Profi model T = Tridem (three-axle trailer)

Your Böckmann specialist partner for consulting and service:



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