

**BERDEX**



**ROBUSTNESS AND INNOVATION BASED ON SIMPLICITY**

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# GENERAL

**Berdex has been developing and producing chassis and bodywork for national and international transport as of 1947**

## **Experience in the widest sense of the word**

The Berdex factory is located right at the heart of the region with the largest number of pigs per capita in the Netherlands. The partnerships within our industry – many of which go back years – and the pioneer mentality in the Peel region have contributed directly to the strength of our solutions. This has made Berdex into one of Europe's leading coachworkers in the field of cattle transport. Insights and solutions from the demanding world of cattle transport are used in various other applications and transport means as well.

## **Maintenance and vehicle-specific modifications**

We provide both standard and special maintenance for your fleet, including 24-hour service.

## **Custom jobs**

Our trailers are built on a foundation of craftsmanship and innovation. Proven and tested through many years of usage, they are compliant with all of the most stringent health, safety and quality requirements. In our R&D centre, we continue to develop our products using the latest materials and solutions to ensure that our products do as we promise.

## **Maximum practical usability**





The construction of a Berdex Chassis



# PRODUCTION

## In-house manufacturing in Wanroij

### Top people to ensure excellent craftsmanship

The Berdex chassis for every trailer that comes out of our factory at Wanroij are custom-built by hand using top-grade steel. The steel chassis form a robust and hard-wearing basis for our end products.

For our trailers' superstructures, we use premium aluminium profiles developed in-house. These profiles are developed to contribute to the robustness of the end product, but certainly also to its appearance.







Hot-dipped galvanisation of a Berdex Chassis



# PREMIUM PROTECTION

**Quality has always been one of the most important reasons our customers put forth for choosing to buy our products, and we will always continue to stand for quality**

Naturally, you are keen to protect your investment, which is why every Berdex chassis is subjected to hot-dipped galvanisation. The other steel parts of the vehicle are galvanised or sandblasted, spray galvanised and sprayed. Furthermore, we primarily use stainless steel for finishing our vehicles. These treatments and finishes ensure that rust is not given a chance to form and your investment retains its value and – no less important – its appearance. Berdex is one of the few manufacturers that applies these treatments to all its chassis.

The strength of the aluminium profiles developed by Berdex is generally invisible. Because corrosion detracts from a product's appearance and usability, we factor this aspect in even at the design stage. That is why our profiles are equipped with blind drainages for condensation water, both in the side walls and, for instance, in the inner arches of your vehicle. Furthermore, all profiles that are slotted together are coated with premium finish/primer.

**To limit filiform corrosion of the side walls, they are coated with a premium primer.**







## ROBUSTNESS

**A solid basis for an excellent product with a high residual value**

A Berdex trailer consists of premium profiles developed by Berdex in-house and fastened to a Berdex chassis made of galvanised steel using stainless steel bolted joints. A solid basis for an excellent product with a high residual value.

The robustness of a Berdex trailer goes beyond the material properties alone. Our many years of experience in and feedback from within the field have contributed to the continued development of all aspects of our trailers. Not only do they last a long time; they are also robust and pleasant to use.





The rounded top profile on the tailgate's side fences ensures that they open and close easily.



The inner doors have a round hinge profile and rounded sides to prevent injury. The cavity for the steel locking pin is equipped with blind drainage. This ensures proper functioning even during frost.

# SIMPLICITY

- 1 cylinder for the tailgate
- The design of the umbrella hitch has a minimum number of moving parts
- Clean and smooth finish
- No complicated technology

Robustness and maximum usability are combined in the simplicity of our designs. When developing our products, we aim to limit the number of moving parts and create as clean a finish as possible. This keeps the amount of wear and tear to a minimum and makes replacement easier, if needed. This includes the cables for the tailgate and the floors, which you can replace yourself on-site using simple tools if needed. This approach has contributed to the high degree of usability of Berdex vehicles for many years now.



Switching the oil pressure from the tailgate to the floors is done by way of a manually operated ball valve. Robust and malfunction-resistant technology to ensure maximum usability.



Detailed view of umbrella hitch support. Riser with hidden hydraulic cylinder. Unique Berdex design with barely any moving parts.



Due to the unique Berdex design, we are able to use just a single dependable cylinder. With fewer moving parts, this system continues to function reliably even with partial wear.



The unique Berdex powered tailgate design with its slide pads features as few moving parts as possible. This ensures dependable usability.

# EASE OF OPERATION

If you can operate one Berdex trailer, you can operate all of them, one customer told us

Separate cable with switch box.



Moving switch box on left slider, including emergency stop.



Fixed switch box in cabinet, including emergency stop.

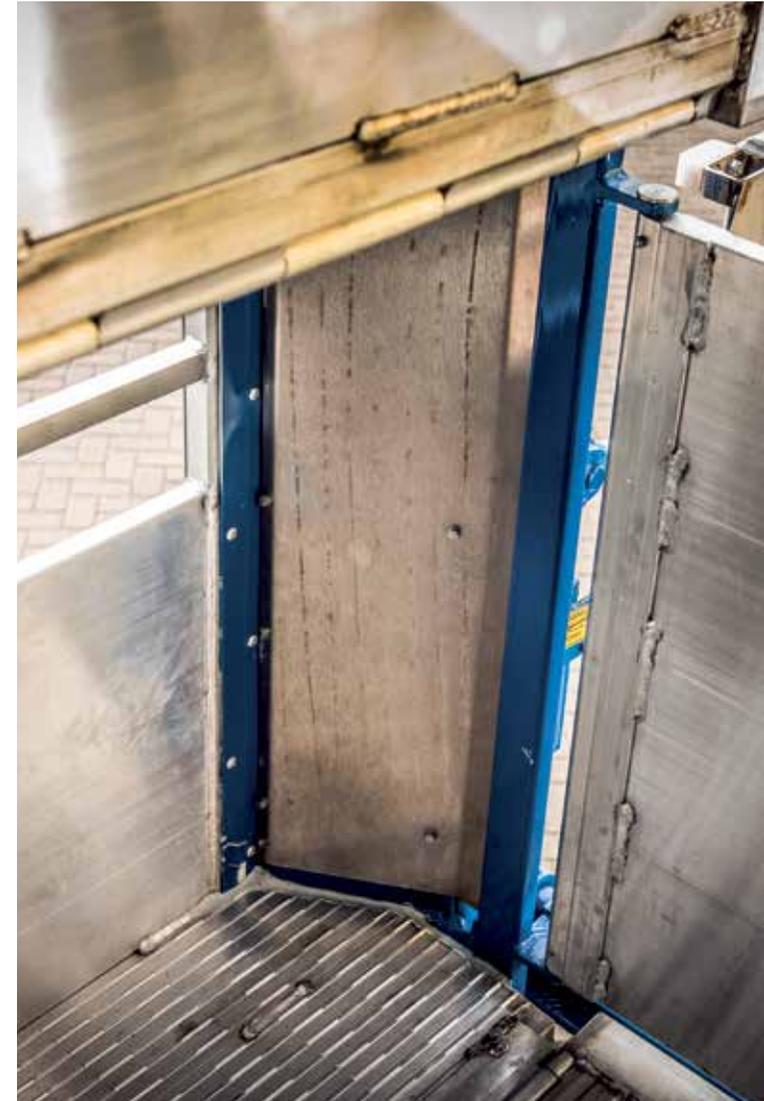


# EASY CLEANING

**A trailer that is easy to clean and disinfect results in less downtime - that is why we make this aspect a priority**

All of our vehicles are fitted with the following features as standard:

- Anti-slip along the length of the upper load surfaces
- Bevelled edge of rear door
- Sealed floors with continuous hinge
- Lights beside door so that dirt that is disturbed during cleaning does not end up obscuring them.



Berdex folding floors have a continuous hinge.

A sawdust- and manure-tight solution.



# DISINFECTION

**For the safe transport of cattle, an effective disinfection solution is essential**

We offer both liquid nebulizing solutions and thermal ones, such as our TADD (= Thermo Assisted Drying and Decontamination) system. Our ATC (= Automatic Tire Cleaning) system means tyres can be disinfected without downtime.



TADD system Thermal cleaning of the vehicle.



# ANIMAL WELFARE

When designing our vehicles, we focus very intently on loading, transporting and unloading cattle safely, with animal welfare as a high priority.

## Finish

Our tailgates are fitted with a wear-resistant polyester anti-slip layer, so that the cattle have good grip. On top of that, the floors are fitted with anti-slip ridges. The moving parts and the inside of the vehicle are finished as smoothly as possible to prevent injuries, and there is plenty of lighting in the interior as well.

## Cleaning and disinfecting

The tidy finish of our vehicles makes them very easy to keep clean. Options include equipping your vehicle with a TADD (thermo-assisted

drying and decontamination) system or a disinfection system for the interior or the vehicle's tyres.

## Ventilation

All of our vehicles are equipped with effective and reliable ventilation. Our cross-ventilated or climatized vehicles feature various back-up systems to guarantee ventilation even after decoupling. The design of our umbrella hitch means that when unloading takes longer, you can also provide extra ventilation for the upper desk, even in wet weather.



The insulated umbrella roof has an easy-to-clean inner surface.



# APPEARANCE

The strength of our designs, the use of premium materials and the passion of our craftsmen are all reflected in our end products





# DRIVING PROPERTIES

The driving properties have to reflect your customers' needs and the locations you visit. We offer a wide range of options in terms of steering systems and axles

## Safety

As our vehicles have a high centre of gravity when loaded, we aim to design each chassis with as wide a wheel track and suspension track as possible, to limit overhang. Even before doing so was mandated, we were fitting our vehicles with brake systems with RSS function as standard.

## Reliability

We opt for A-level brands as standard for all axles, steering components and braking systems, as these offer optimal properties for driving in yards as well as ensuring the vehicle keeps a steady course. What's more, these brands offer high levels of reliability and service.





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# APPROPRIATE SOLUTIONS

- **A: Floors**
- **B: Powered tailgate**
- **C: Conventionally ventilated vehicles**
- **D: Cross-ventilated vehicles**
- **E: Climatized vehicles**

Our products must reflect your way of working and the environment in which you operate. For this reason, Berdex offers a wide range of solutions that have been proven in practice. These include the possibility of choosing a movable or collapsible floor and 1 of 3 ventilation options for an optimal indoor climate.

## Personalisation options

Our vehicles offer a wide range of personalisation options in terms of intended use, ease of use and appearance. These include scales that are built into the lift, centrally mounted slider controls or extra storage units. We also provide various options for optimising square footage by using independent suspension units and/or multiple layers.



Integrated scales.





# A - FLOORS

Berdex trailers are equipped with one of our several tried and tested floor systems or a combination thereof. All our solutions are sealed along their entire length and are sawdust- and manure-tight. Naturally, all of our floors are easy to operate.



Light controls for folding floor components due to gas-spring support.



# B - POWERED TAILGATE

The Berdex powered tailgate was developed to do its job quickly and reliably. If required, the powered tailgate can be fitted in an extended or retractable version to simplify direct loading and unloading of the various levels. Berdex powered tailgates can be manufactured with built-in scales.

The loading platform can be lowered until it is flat on the ground to make loading easier.

ERGO 2000 gas springs support the collapsible 830mm-high tailgate fences.

The fences on the loading platform are fitted with removable cattle driving plates.



The loading platform is equipped with anti-wear strips to prevent the wear and tear of the polyester when opening or closing the doors.



Various controls options.



# C - CONVENTIONALLY VENTILATED VEHICLES

- Robust, simple and reliable technology
- Tidy and easy-to-clean design
- Robust appearance





## D - CROSS-VENTILATED VEHICLES

- Temperature-controlled climate (less dependent on weather conditions)
- Temperature can be read and adjusted per floor  
Easy to operate
- Alarms and malfunctions are displayed on the panel in the tractor unit
- Easy to clean and disinfect (short cleaning times)
- Not as easily recognisable as a cattle trailer (resulting in less criticism from other road users while on the road)
- Darkness, calm and less stress for the animals





# E- CLIMATIZED VEHICLES

With its climatized vehicles, Berdex offers the safest possible method of transport. These vehicles are therefore often used to transport animals for genetic breeding, breeding (line) animals and animals with a high health status.

- Filtered on standard
- Standard heating 40 or 80kW
- Optional UV air-cleaning / disinfection
- On-board generator with the option of connecting to a landline
- Controls and alarms via panel in cabin
- Emergency power supply thanks to 24V generator

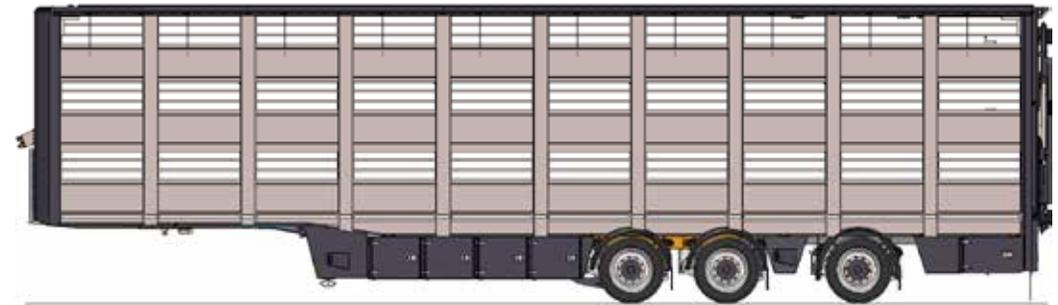




# SPECIFICATIONS

Berdex supplies their livestock transport solution in the form of construction (box truck), trailer or semitrailer. In this brochure a picture is painted of the various solutions that have been more than proven in practice. A Berdex vehicle is always custom work and is customized to match the method of operation of our customers and the environment they are active in. As an indication, the dimensions and measurements are shown below of the transversely ventilated trailer that's shown in the brochure.

Dimensions	Conventionally ventilated vehicles
Length	13700 mm Gross
Width	2545 mm Gross
Total height	4030 mm at fifth-wheel height of 1005 mm
<b>Loading platform surface</b>	<b>Ca. 99 m<sup>2</sup></b>
Maximum fifth-wheel pressure	12.000 kg
Maximum rear axle load	27.000 kg
Maximum total weight	39.000 kg
Empty vehicle weight ca.	Ca. 11.220 kg (+ 2%)
<b>Net load capacity circa</b>	<b>Ca. 27.780 kg (+ 1%)</b>



Dimensions	Cross-ventilated vehicles
Length	13700 mm Gross
Width	2590 mm Gross
Total height	4030 mm at fifth-wheel height of 1005 mm
<b>Loading platform surface</b>	<b>Ca. 99 m<sup>2</sup></b>
Maximum fifth-wheel pressure	12.000 kg
Maximum rear axle load	27.000 kg
Maximum total weight	39.000 kg
Empty vehicle weight ca.	Ca. 11.740 kg (+ 2%)
<b>Net load capacity circa</b>	<b>Ca. 27.260 kg (+ 1%)</b>



# QUALITY GOES BEYOND THE TRAILER ITSELF

## **Berdex Parts**

All parts in the vehicles we supply are noted on corresponding drawings stored in our system. This makes it easy for us to deliver the correct parts for your Berdex product via our centrally located warehouse in Wanroij. At our site, you will find our catalogue containing all commonly used parts. We are able to quickly deliver these parts to all countries in which we operate.

## **Berdex driver days**

At our special Berdex driver days, drivers can earn the required points to keep their Code 95 certification up to date and learn more about the functionality of our vehicles.

## **Berdex service partners**

Thanks to our network of professional sales and service dealers, there is always a Berdex representative near you to consult if you are ever in need of expert service at any point during your trailer's lifespan. The highly-qualified mechanics at Berdex possess in-depth knowledge of your trailer and provide fast and effective repairs and maintenance using original Berdex parts, thus guaranteeing maximum vehicle availability and high residual value.

*Berdex ships its vehicles and parts across the entire world and now also has manufacturing facilities in Russia and China.*





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