

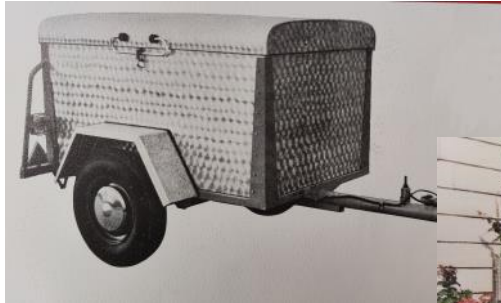


Offroadtrailer

Iceland, Corse und Namib



Vehicle construction is not our business, vehicle construction is our passion



A little stroll through the years



As a traditional, second-generation, handcrafted company, we have been manufacturing car trailers and off-road trailers since 1968.

At that time, it was off-road fans and globetrotters who had us convert old military trailers for their purposes. They often expressed the desire to have a vehicle built according to their needs. As an innovative company, we were already concerned with the problem of off-road mobility and reliability in the off-road sector. Most of the vehicles are still in hard use today.

The tent trailers have been added, as a tent expands the use of the vehicle many times over.

Our off-road trailers are individually built by hand in our workshop. These vehicles are not commercial goods, but rather vehicles for off-road use that have been refined over decades of experience. We make no compromises when using the materials processed. You receive a vehicle with high value retention and a long service life.

Many vehicles that are in use around the world, some also in the military, disaster control, expeditions or authorities, confirm our concept.

Through customer-specific production, we can realize your special requests and create your tailor-made off-road trailer or tent trailer.

If you have any further suggestions or requests, please contact us.

Yours

Franz Rettenmaier

(master of body and vehicle construction)

The Iceland off-road trailer:

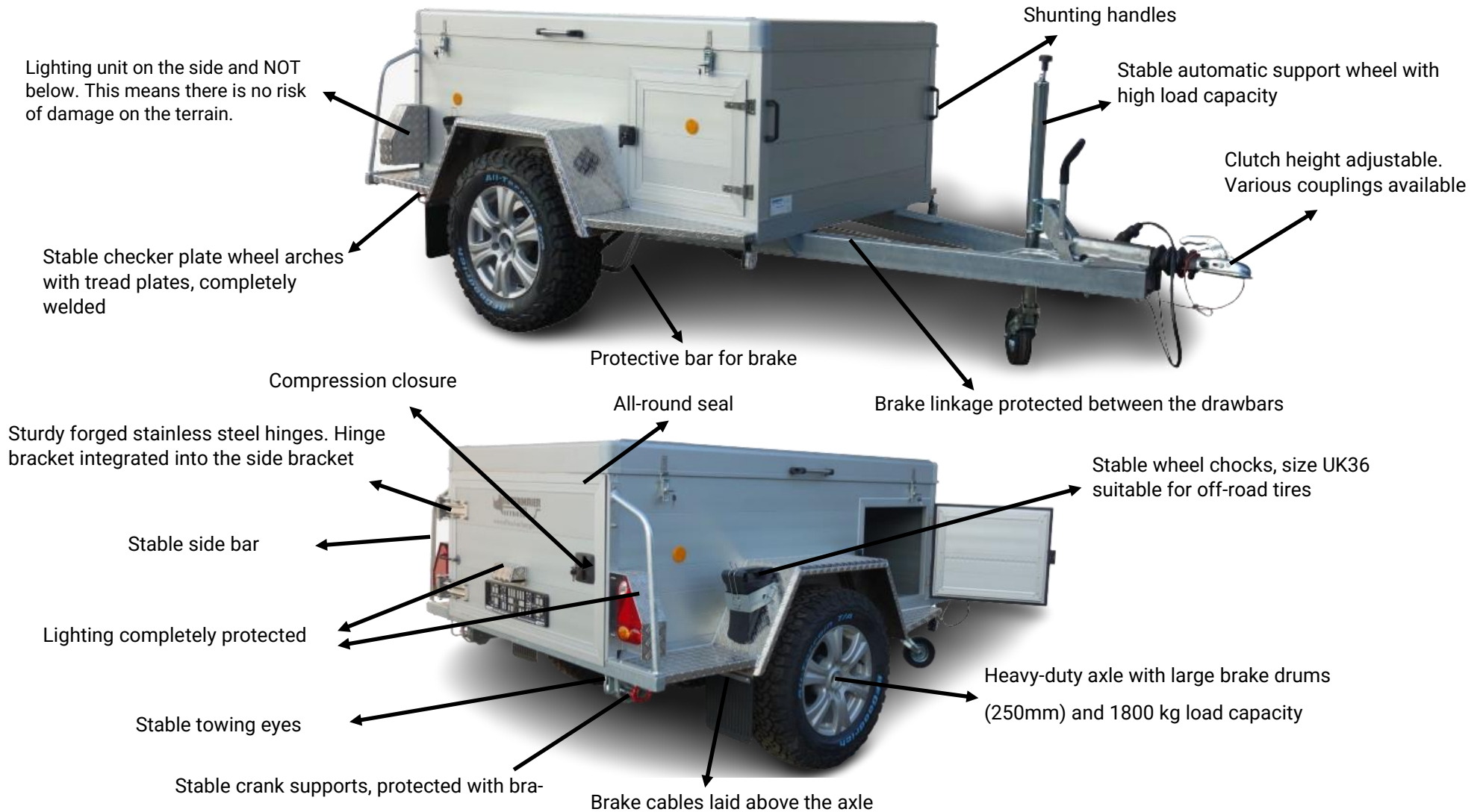
Universal, individual and successfully at home on all continents.

As a robust off-roader as well as a basis for a tent trailer.

We couldn't describe it better than the statement from a customer: "It's impressive how much off-road and solutions for tough use there are in such a small vehicle."



Just checker plate and “thick” wheels are far from enough for a “real” off-road trailer. However, our standard equipment does.



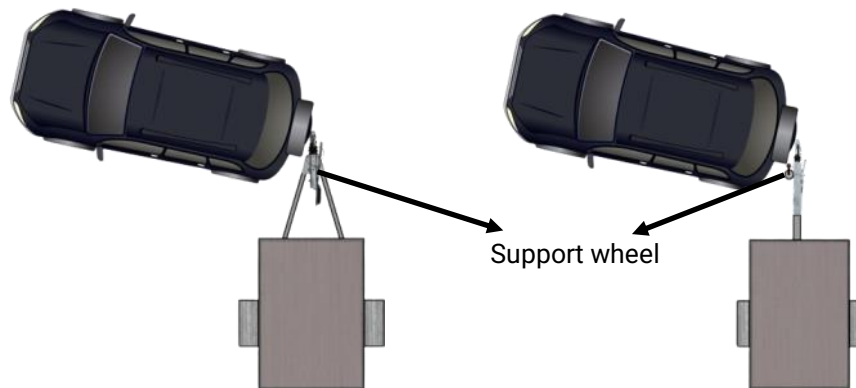
Here we want to take you on a little excursion into the world of vehicle construction. On the one hand, to give you an understanding of why we build this way and not differently. On the other hand, to convey to you that decades of experience can be seen in detail.

Chassis and the frame

The frame is made of sturdy tubular steel hollow profiles, welded in one piece and hot-dip galvanized in an immersion bath. Corrosion problems are therefore not an issue. The axle and all attachments are securely screwed to this frame. The other highlight in terms of stability is the drawbar, which is designed as part of the frame. On the one hand, this type of drawbar frame construction is very stable, on the other hand, a screw connection can never come loose. A single draw tube does not provide nearly the stability of a V-drawbar. The past has shown that even on normal car trailers, the simple tubular drawbar is more at risk of cracking due to continuous vibration stress.

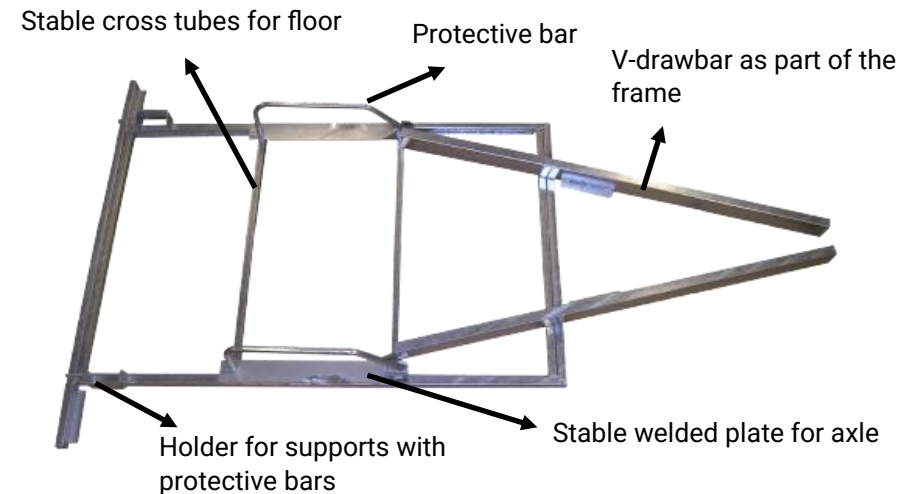
Even when maneuvering backwards, the V-drawbar does not have a smaller steering angle than a tubular drawbar. The steering angle of the tubular drawbar is limited by the support wheel, which is arranged laterally. However, with the V-drawbar the support wheel is protected between the bars.

The V-drawbar therefore excels in all respects and is the measure of all things, especially off-road.

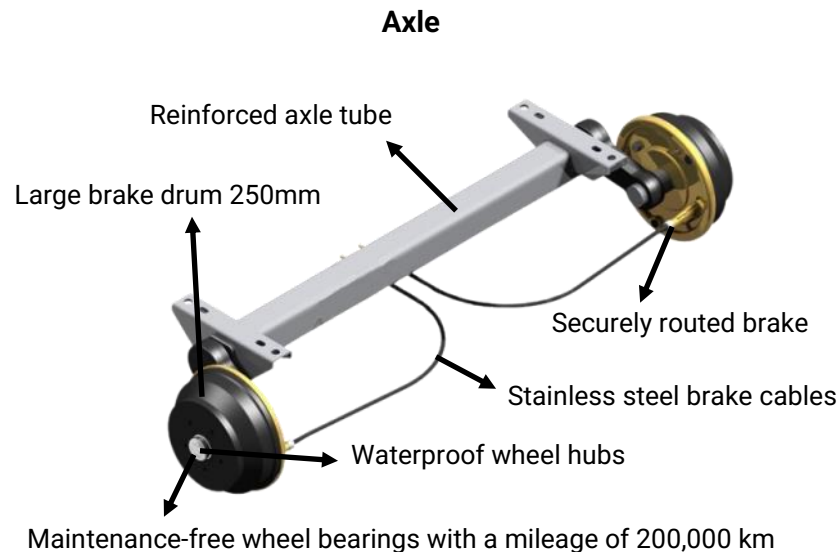


Regardless of the different types, all frames are manufactured in our workshop. Tempered hollow profiles and special vehicle construction profiles are used.

We install all mounting plates and drill holes before galvanizing and complete corrosion protection is guaranteed. We give a frame guarantee against breakage of 10 years! Many well thought-out detailed solutions such as rear towing eyes are also part of the standard equipment. The parking supports are attached to special brackets welded to the frame and are not just screwed to the side wall.



We only use rubber-sprung torsion spring axles with forged swing arms for our off-road trailers. With this design, the resilient rubber element is completely encapsulated and therefore protected from dirt and moisture. The suspension itself is completely maintenance-free. The built-in industrial heavy-duty bearings have lifelong lubrication with a guaranteed mileage of 200,000 km. The hubs are waterproof. Our installed brake drums have a diameter of 250 mm (many manufacturers only use 200 mm). This results in a better braking effect and the possibility of offering even large hole circles. The standard bolt circle is 112 x 5, although we can of course also offer the bolt circle of your towing vehicle.



We can also offer you a coil spring chassis upon request. This impresses with its unrivaled suspension comfort across the entire payload range. More information under Accessories.

Construction

The structure is made of double-walled, high-strength aluminum profiles as standard. The aluminum profiles are available either in silver anodized or coated in all RAL colors. Your vehicle color can usually also be achieved. For residential extensions, we also offer insulated and GRP-coated panels. The basic structure is identical for all models. To avoid contact corrosion, care is always taken to ensure that there is no direct connection between steel and aluminum.



Double walled system



Single wall system

We use these double-walled profiles for the entire side walls. The individual profile panels are firmly connected to each other using a "click system".

For reasons of stability, we do not install single-walled systems. You can easily recognize single-walled aluminum profiles because they have bars on the outside. Furthermore, we are of the opinion that side walls made of single-walled thin sheet steel should also not be used in off-road areas. If cargo slips and hits the side of the ship, damage would be visible from the outside. Additional attachments can hardly be attached from the inside without drilling through the side wall.



We install airline rails integrated into the side wall as standard. This means that they do not protrude beyond the side of the ship. The internal width is not reduced and the load is not damaged.

You can obtain the appropriate fittings, locking rods and lashing straps to match the airline system from us.

Vehicle lighting

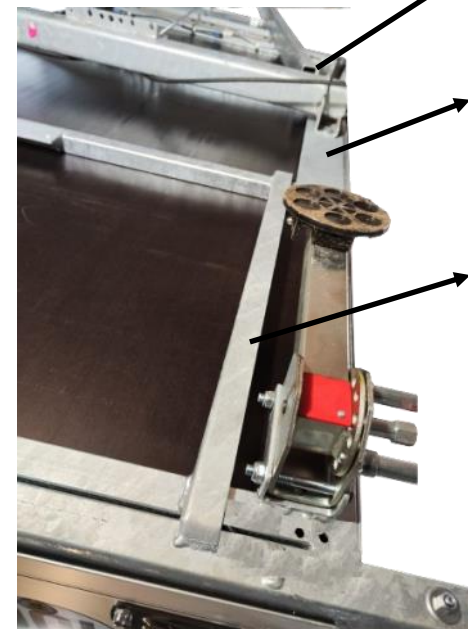
We pay particular attention to vehicle lighting. If your lighting system is defective or individual lamps fail, you will no longer be allowed to drive on public roads and, in the worst case scenario, your vacation will be over. Repairs on the go can be expensive. But it's not just damage in tough off-road areas, a simple "touch down" or backwards on an embankment and an unprotected lighting system would be damaged.

Experience has shown that the arrangement of underfloor lighting is very susceptible to damage, especially in off-road areas. This design also massively reduces the ground clearance. It becomes even more worrying if the cable connections stick out openly.

Our vehicles can also "sit on", but we will explain to you below why nothing happens to the lighting system:



Starting at the tow vehicle's socket, the supply cable disappears directly into the two tow bars.



At the end of the drawbars....

...the cable is hidden behind the stable axle plate.

At the end of the axle plate, the cable runs into a special stable profile to the lighting support.

View from below



Coming from the profile, the cable goes directly into the protective housing of the vehicle lighting.

The housings have a back cover in which the bayonet connections of the lamps are also hidden. As practical as these bayonet connections are, they cannot withstand stress and splash water in the long term.

The cable for the license plate lighting comes directly from the protective housing. The cable is protected with a bougie tube and runs within the hollow chamber profile to the license plate lamp.

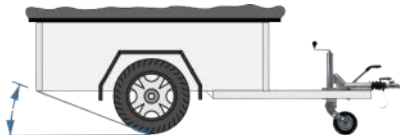


The license plate lamp is also in a protective housing.

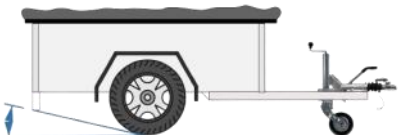
There is also an optional protective grille for the vehicle light.



Lighting on the side



Lighting below



In addition to the risk of damage to the lighting when it comes into contact with the ground or when reversing, you also lose a lot of approach angle due to the lighting support underneath.



Parking supports

We only install crank supports as standard. These have a very high load capacity and can also be used to change wheels. In addition, the supports have a bracket and are therefore protected when they come into contact with the ground.



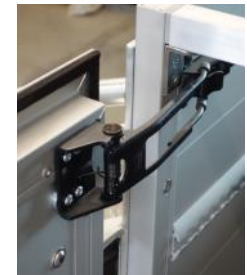
The brake cables and wheel shock absorbers are also equipped with a protective bar.



Wing door or flap

You can choose whether your vehicle will be equipped with a flap or gullwing doors (at no extra charge).

The wing doors are equipped with a door stop as standard. If necessary, this can be folded away and the door can then be opened to 180°.



The Corse off-road trailer is identical to the Iceland in terms of its basic structure and standard equipment. The big difference is that it has a solid roof. It is the first choice if, in addition to transporting goods, an expansion into living space is being considered.

In addition to the aluminum structure, the Corse can also be made from insulated sandwich panels.

The standard height starts at 100 cm. We can customize all dimensions for all vehicles.

We also offer a sloping rear for this model to increase the approach angle.



The Namib off-road trailer is similar to the Corse in terms of its basic structure and standard equipment. The big difference is the partially integrated wheels. This results in a wider interior space above the wheel arches with the same external width.

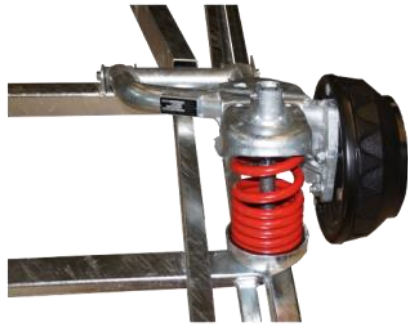
In addition to the aluminum structure, the Namib can also be made from insulated sandwich panels.

All dimensions are discussed individually with the customer.

In addition to the straight rear, we also offer the option of a sloping rear for this model to increase the approach angle. The sloping rear can also be equipped with a ramp for opening.



We offer you a large selection of accessories to customize your vehicle and expand its area of application. We manufacture most of the accessories ourselves to ensure our high quality standards.



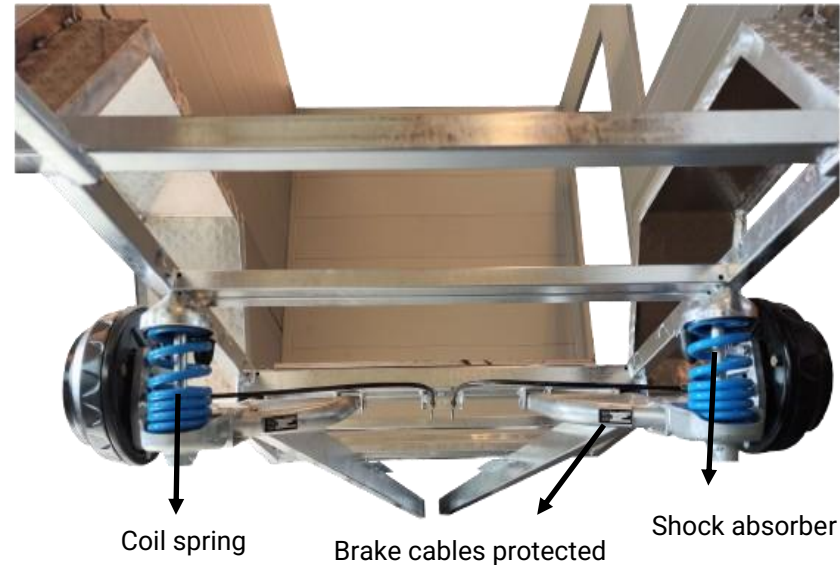
Coil spring chassis

We can offer you a coil spring chassis upon request. This impresses with its unrivaled suspension comfort across the entire payload range. Strong "jumping" when unloaded and swinging on washboard slopes are now a thing of the past. Sensitive loads are also better protected. And the look... pure off-road!

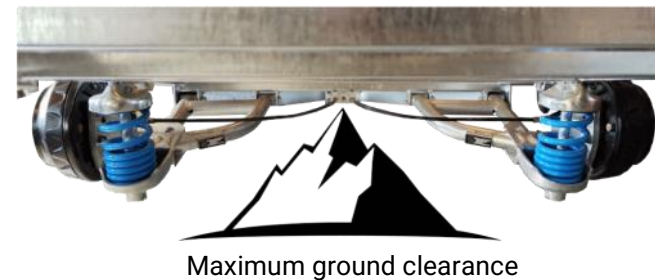


Our spiral spring unit is integrated into the frame and thus offers perfect coordination.

We can also coat the spiral springs in your desired color.



Because the axle tube is not required, this design offers even more ground clearance. The wheel shock absorbers are built into the spring and are therefore optimally protected against damage.



A coil spring chassis does not require more wear or more complex maintenance than a rubber spring axle.



Side wall elevation

We offer side wall elevations for all models. These are done in 5 cm increments and so even the bulkiest load can find the space it needs. Of course, other of our integrated airline rails can also be used.



Side doors and flaps

We offer you side doors and flaps in all variations and sizes for your vehicle. The flaps open with the help of a gas pressure spring. The sealing is done with an aluminum profile developed by us. Forged stainless steel hinges are used. Flaps and side doors key alike.



Canister holder

Our developed and registered canister holder is suitable for all canisters from 10 to 20 liters. Both sheet steel and the taller plastic canisters can be transported safely. This gives you the option of carrying water instead of fuel. Of course the holder is lockable.

When installing the holder, ensure that the canister is always transported upright. If the canister heats up, the internal pressure increases. However, the closure is not designed for higher pressure. If the canister is stored horizontally, fuel can leak. If it is transported upright, there is always an air cushion at the outlet.



Spare wheel

A spare wheel is particularly useful in remote areas. We offer installation on the front, on the side or under the vehicle. It can also be attached to the rear door. Our very stable hinges make this possible. When installing underfloor, please note that the ground clearance is reduced.



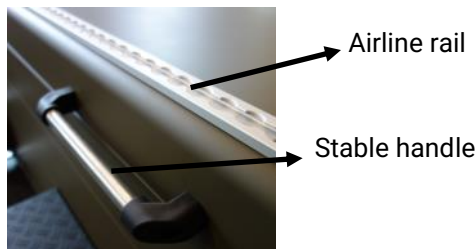
Aluminum lid

We offer an aluminum lid for the Iceland model. This is lockable and thus ensures safe and water-protected transport of your load.

The lid has two airline rails mounted as standard. This gives you a lot of flexibility regarding later use. Whether a roof tent, railing, roof rack or roof box, everything is possible.

We offer side or front opening options. Thanks to an opening mechanism manufactured by us, only one gas pressure spring is required. This means there is nothing in the way when loading from the back. Different spring strengths are available so that even heavy roof tents can be opened.

Special hinges on the lid allow it to be removed quickly and without tools.



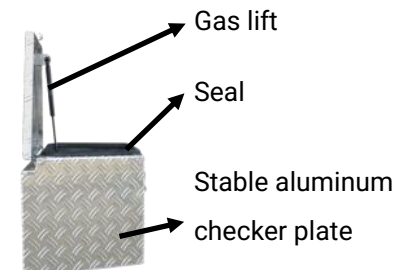
Ball head for bicycle carriers

In order to be able to use your bicycle carrier with the tow ball on the trailer, we offer you a drawbar plate with a ball head. This is screwed to the provided fastening straps. The plate is very stable due to the wide support on the V-drawbar and is also suitable for e-bikes.



Box

We manufacture the drawbar boxes or on the side of the wheel arch ourselves. In addition to the standard version, which fits very well into the width of the vehicle, we can respond to your individual wishes. No matter whether a different size or additional doors/flaps in the box are no problem for us. The boxes are made of natural checker plate as standard. It is of course possible to paint it in your desired color.





Kitchen module

After much planning and testing, we are now successfully producing our own kitchen block. It completes our trailers in an excellent way. The module was developed in collaboration and with many great suggestions from our customers. Above all, there were wishes such as a stable structure made of aluminum using as few vulnerable plastic parts or glass covers as possible, dust-tightness of the unit, modular structure of the water supply for many additional applications and the whole thing in a perfect design that retains its value. The entire kitchen module is manufactured in-house and so we can also integrate special requests such as filters or similar. The kitchen is conveniently attached with our holding system and can therefore be removed quickly.

Our holding system for quickly removing the kitchen module



Gas kitchen module

The kitchen stove has 2 burners and is powered by gas. There is a 2.8 kg Campinggaz exchange bottle in the kitchen module as standard.

Spirit kitchen module

In addition to the version with gas operation, our customers have long wanted to be able to purchase the cooking option with alcohol or light gasoline. The cooking unit is a 2-burner alcohol stove. During transport, it is located in a suitable GRP trough and is simply removed for operation and placed in a special holder. The water supply via our energy module is identical to the gas-supplied version.

The water is supplied via a high-performance pressurized water pump and the energy is supplied via a rechargeable battery. For environmental reasons, we deliberately avoid using disposable batteries. The water supply has another outlet as standard for connecting an outdoor shower. In addition to the removable 20 liter tank, water can be drawn from all other containers using a hose. In terms of safety, we offer a filter that is simply inserted in front of the pump.

Now it's getting colorful

We think life is too short for silver and black.

We therefore offer you all RAL colors as well as all vehicle-specific colors.

No matter whether gloss, satin or matt. We will find the right surface for you.

The paint structure is multi-layered and identical to the automotive industry.

We also offer coatings with MIPA Protector. This PU coating has a rough structure and is very durable.

Be brave and leave black and white thinking behind.



Airline rails

In addition to additional airline rails, additional rails can also be sunk into the ground. These are always connected to the frame for stability reasons. This allows heavy loads to be securely lashed to the floor.



Locking bar system airline

You can insert the optionally available locking bar into the standard airline rails on the right and left. Like all of our airline products, it is a legally approved lashing device for properly securing loads.



Roof rack

You can get optional roof racks specifically for the standard airline rail located on the lid. These are screwed into the rail using the fittings provided. You can use the roof racks as a base for existing bike racks, roof boxes or a roof tent.



LED lighting

In addition to the 3-chamber light, the LED lighting package also includes the license plate light in LED, marker light in LED and a trailer control unit.

Drawer systems

In addition to our standard drawers, we also offer you tailor-made special solutions. No matter whether it can be pulled out to the back or to the side.

When it comes to the load-bearing capacity of the pull-outs, we depend on your needs. Our standard pull-outs have a load capacity of either 100 kg or 220 kg.

Even very high loads are possible. The extension in the top picture has a self-supporting load capacity of 2000 kg with an extension length of 180 cm!

We are sure that we will find a suitable solution for you too



Shelving systems

Individual shelving systems are another specialty of our manufactory. These are built according to your needs.

Power supply

The heart of our power supply unit is the battery pack with various, individually configurable connections. Only high-quality LiFePo4 batteries with an integrated battery management system (BMS) are used. It is possible to integrate a (50AH) battery or two into the housing. Then 100AH is available. If there is additional need, a second unit can be coupled. Then you have up to 200AH available.

The unit and its connections are IP68 protected. This means that complete submersion when crossing water is not a problem. We charge via the towing vehicle, shore power, solar or any other energy source.

Various sockets are installed in the vehicle.

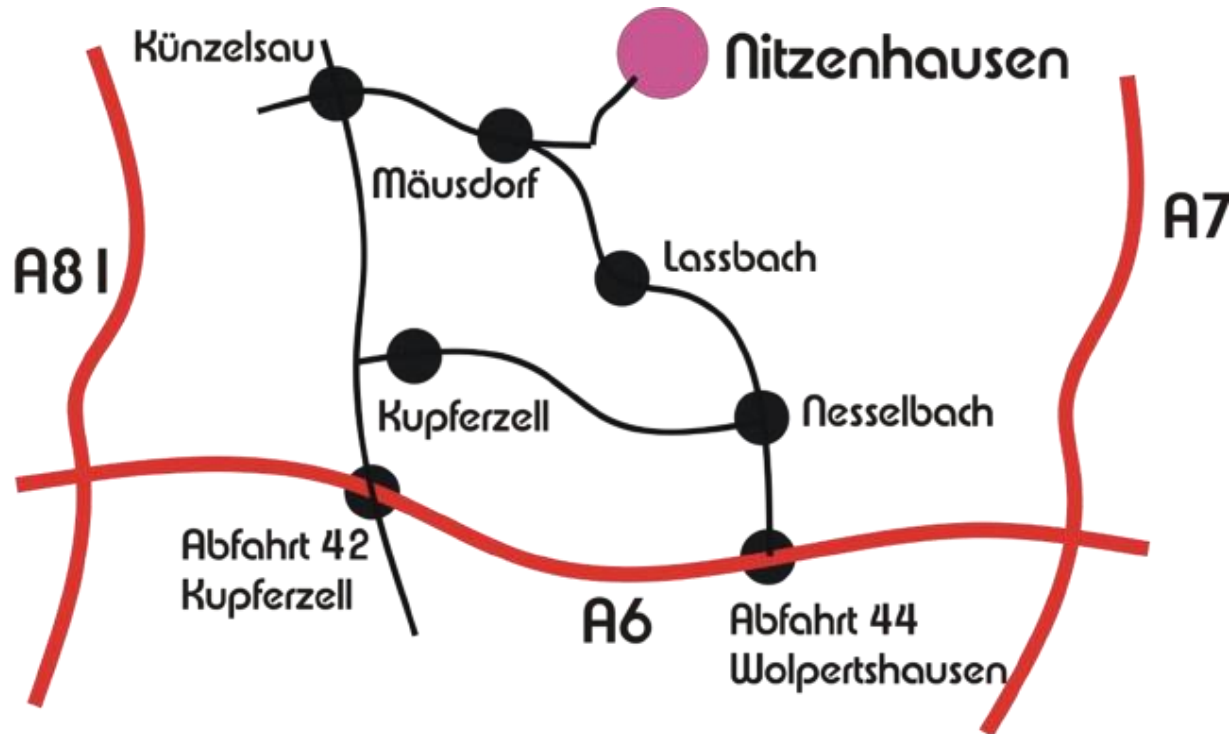
The unit is installed protected between the drawbar tubes and can be retrofitted to all of our vehicles.

Further information can be found in the separate "Power Supply" brochure.



If you want to buy an off-road trailer, it is an investment. At best, an investment for a long period of time. But also an investment in a product that has been tailor-made for you in terms of features. Our tip: Take the time you need. Compare and pay attention to every detail. The design and detailed solutions are primarily responsible for whether you can experience unadulterated driving fun for a very long time. Over 50 years in vehicle construction have shown us that the following points in particular are essential for a reliable and long-lasting off-road trailer.

	Rettenmaier offroad trailer	Comparison product
Frame	Stable hot-dip galvanized steel frame with mounts for axle, supports and protective bracket. Drawbar as frame-integrated V-drawbar for maximum stability	
Axle	Knott axle with increased drum diameter 250 mm, 1800 kg load capacity and waterproof hub. Brake cables laid protected. Brake linkage between the drawbar and not underneath. Otherwise there is a risk of damage to the brake system. Protective bar for brake cables and wheel shock absorbers	
Construction	Fully double-walled aluminum profiles, anodized. Standard side wall height: Iceland 60 cm and Corse 100 cm	
Vehicle cable	Laid completely concealed and protected with profiles	
Vehicle lights	Installation laterally and additionally protected in housings. For safety reasons, we NEVER install lighting units underground	
Parking supports	Stable crank supports with a load capacity of 500 kg. Protected against damage with a protective guard	
Coupling height	Adjustable. This means you can later adjust the trailer to the required height when you change your towing vehicle	
Door hinge	Sturdy forged stainless steel hinges. Hinge bracket as part of the frame	
Wheel chocks	Large sturdy wheel chocks UK36	
Door lock	Stable compression closure for door leaf with all-round seal	
Tailgate	Optional hinged door or flap at no additional cost	



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