

Ret/HydFalt



Bär Cargolift – Lifting Performance.



## Bär Cargolift Ret/HydFalt

Flexible, simple and robust – with hydraulic folding on request



Available since 1994, the Bär Ret/HydFalt Cargolift product group remains a force of innovation. After all, HydFalt Cargolifts can be extended and retracted hydraulically, and can also be folded hydraulically. This increases user comfort in daily use and makes the Cargolift ready for use even more quickly. The standard anodised aluminium platform also gives it an attractive appearance.

Those who prefer manual platform folding choose the RetFalt version. All Ret/HydFalt Cargolifts have a double folded platform and automatic stops which make retraction and extension in the dark or in poor weather conditions more easy.



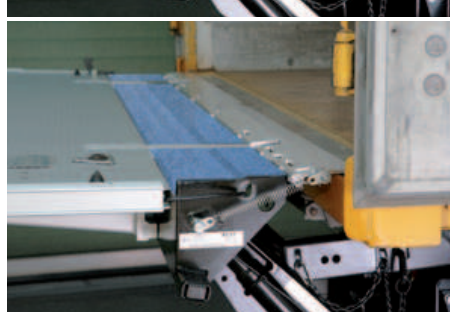
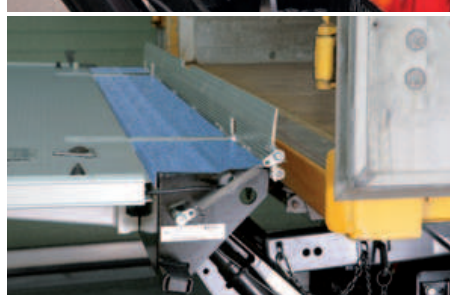
# Bär Cargolift Ret/HydFalt

## With a BDF swapping mechanism, a universal distribution vehicle is created



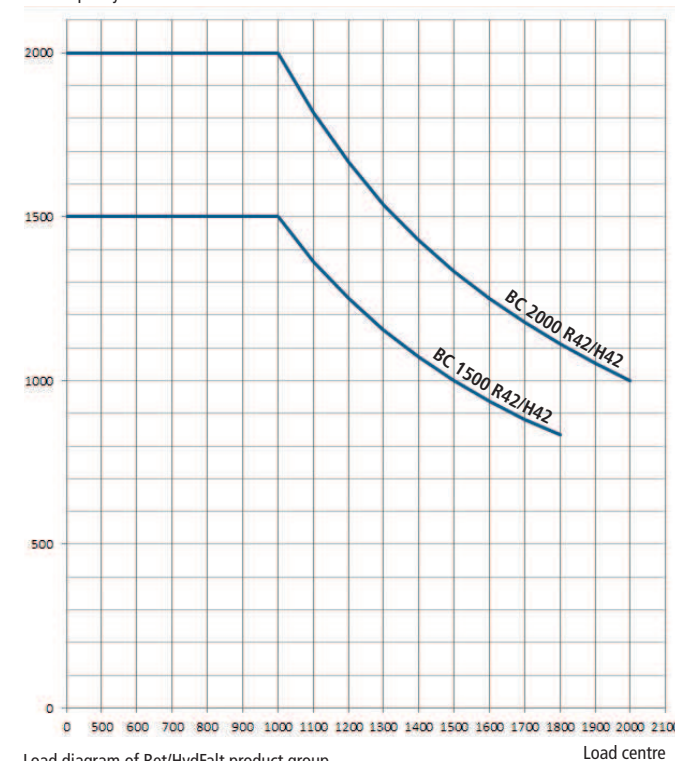
All retractable Ret/HydFalt Cargolifts – no matter if folded manually (R42) or hydraulically (H42) – can be mounted on **BDF swap bodies**. With the lifting arm stops and bridge plate (both optional), you can choose between various swap bodies in accordance with EN 284. Platform / flat-bed, dry freight or refrigerated body with size C 715 and C745 (also C 782 after modification).

Optimum is the fitment of Bär Ret/HydFalt Cargolifts on a 3-axle truck with a 4500 / 4600 mm wheelbase - even with a C 715 body. The manoeuvrability, installation space and load distribution are better than with a 4800 mm wheel base. Moreover, extension to the swap body edges of C 715 and C 745 takes place automatically (adjustable by the driver). Any further positions can be approached manually.



Ret/HydFalt Cargolifts are designed to accommodate these loads in consideration of the platform height.

Load capacity



Load diagram of Ret/HydFalt product group



# Bär Cargolift Ret/HydFalt BC 1500 R42 – Simple, flexible, robust



The Cargolift for complex logistics tasks: BC 1500 R42. With the double-folded platform, this Cargolift disappears compactly under the carrier vehicle in driving position. After a motor slides the platform out and it is manually unfolded, the platform is quickly ready for use. The truck can then be used alternatingly in distribution and long-distance transport as desired.

Carrier vehicle	GVW/t min.	GVW/t max
Truck	8,6 t	25,0 t
Trailer	8,6 t	18,0 t
BDF swap bodies		

Additional equipment may be required depending on the carrier vehicle – see vehicle connection equipment.

Load capacity	Load centre	Load moment
1500 kg	1000 mm	15,0 kNm

## Aluminium platform

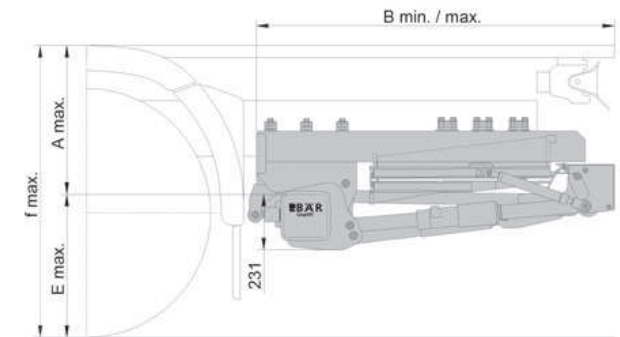
Platform system	Height	Width
PBret	1560 / 1810 mm	2400 mm

## Weight with platform width 2400 mm

Platform height	Weight
1560 mm	599 kg
1810 mm	613 kg

The weight includes the standard scope of supply with mounting material, cables and under run bar.

## Technical data



Platform height	1560 mm	1560/ 1810mm	1810/ 2010 mm
Arm length	900 mm	1000 mm	1100 mm
Lifting height $f_{max}$	1370 mm	1460 mm	1555 mm
Mass A	855 mm	945 mm	1040 mm
Mass $E_{max}$	515 mm	515 mm	515 mm
Clearance B	1410 mm	1510 mm	1610 mm

Valid for vehicles from 8 t gross vehicle weight with hydraulic, pneumatic or automatic suspension.

See standardised fitment drawing for fitment details and other carrier vehicles.

# Bär Cargolift Ret/HydFalt BC 2000 R42 – Applicable for distribution and long-distance transport as desired



Mounting on truck, on steering axle semitrailer or BDF swapping mechanisms – the BC 2000 R42 offers you at least as many possibilities in installation as in use. The 20 kNm load moment and the double-folded, 1810 mm high platform leave room to carry out your transport task.

Carrier vehicle	GVW/t min.	GVW/t max
Truck	12,0 t	25,0 t
Trailer	12,0 t	18,0 t
BDF swap bodies		

Additional equipment may be required depending on the carrier vehicle – see vehicle connection equipment.

Load capacity	Load centre	Load moment
2000 kg	1000 mm	20,0 kNm

## Aluminium platform

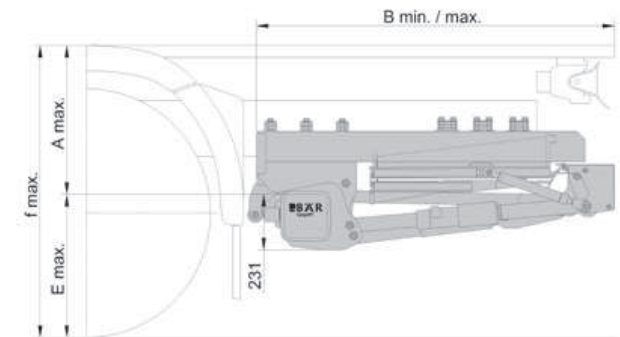
Platform system	Height	Width
PBret	1810 / 2010 mm	2400 mm

## Weight with platform width 2400 mm

Platform height	Weight
1810 mm	613 kg
2010 mm	633 kg

The weight includes the standard scope of supply with mounting material, cables and under run bar.

## Technical data



Platform height	1810 mm	1810 / 2010 mm
Arm length	1000 mm	1100 mm
Lifting height $f_{max}$	1460 mm	1555 mm
Mass A	945 mm	1040 mm
Mass $E_{max}$	515 mm	515 mm
Clearance B	1510 mm	1610 mm

Valid for vehicles from 8 t gross vehicle weight with hydraulic, pneumatic or automatic suspension.

See standardised fitment drawing for fitment details and other carrier vehicles.



# Bär Cargolift Ret/HydFalt BC 1500 H42 – Horizontal retractable, hydraulically folded



Numerous loading positions, low installation space, high time pressure – the BC 1500 H42 does not shy away from challenges. Mounted on the widest range of carrier vehicles, this Cargolift of the Ret/HydFalt product group can be optimally integrated into the carrier vehicle. You take the lead with fully hydraulic platform folding. Provided with an anodised aluminium platform by standard. What more could you expect?

Carrier vehicle	GVW/t min.	GVW/t max
Truck	8,6 t	25,0 t
Trailer	8,6 t	18,0 t
BDF swap bodies		

Additional equipment may be required depending on the carrier vehicle – see vehicle connection equipment.

Load capacity	Load centre	Load moment
1500 kg	1000 mm	15,0 kNm

## Aluminium platform

Platform system	Height	Width
PBhyd	1560* / 1810 mm	2400 mm

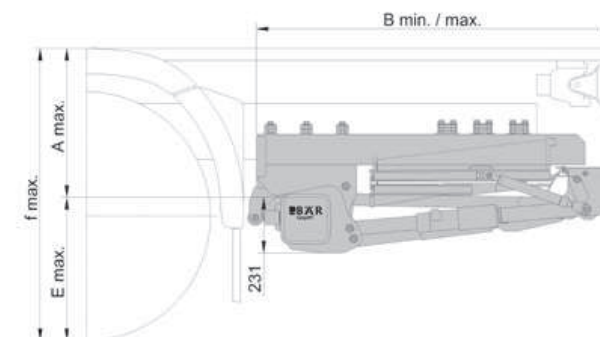
\* Manual folding of the platform tip.

## Weight with platform width 2400 mm

Platform height	Weight
1560 mm	574 kg
1810 mm	583 kg

The weight includes the standard scope of supply with mounting material, cables and under run bar.

## Technical data



Platform height	1560 mm	1560/1810mm	1810 mm
Arm length	900 mm	1000 mm	1100 mm
Lifting height f <sub>max</sub>	1370 mm	1460 mm	1555 mm
Mass A	855 mm	945 mm	1040 mm
Mass E <sub>max</sub>	515 mm	515 mm	515 mm
Clearance B	1410 mm	1510 mm	1610 mm

Valid for vehicles from 8 t gross vehicle weight with hydraulic, pneumatic or automatic suspension.

See standardised fitment drawing for fitment details and other carrier vehicles.

# Bär Cargolift Ret/HydFalt BC 2000 H42 – Quick and easy to operate



With an extension and unfolding time of 20 seconds and a load centre of 1000 mm, the BC 2000 H42 is comparable with standard Cargolifts. And even better: Operation takes place in a convenient and operator-friendly manner with the control box. The HydFalt Cargolifts not only demonstrate technical perfection, they also correspond to the most demanding visual requirements: Provided with an anodised aluminium platform in series.

Carrier vehicle	GVW/t min.	GVW/t max
Truck	12,0 t	25,0 t
Trailer	12,0 t	18,0 t
BDF swap bodies		

Additional equipment may be required depending on the carrier vehicle – see vehicle connection equipment.

Load capacity	Load centre	Load moment
2000 kg	1000 mm	20,0 kNm

## Aluminium platform

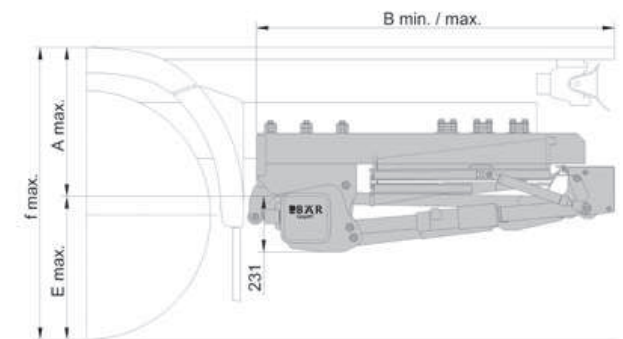
Platform system	Height	Width
PBhyd	1810 / 2010 mm	2400 mm

## Weight with platform width 2400 mm

Platform height	Weight
1810 mm	620 kg
2010 mm	640 kg

The weight includes the standard scope of supply with mounting material, cables and under run bar.

## Technical data



Platform height	1810 mm	1810/2010 mm
Arm length	1000 mm	1100 mm
Lifting height $f_{max}$	1460 mm	1555 mm
Mass A	945 mm	1040 mm
Mass $E_{max}$	515 mm	515 mm
Clearance B	1510 mm	1610 mm

Valid for vehicles from 8 t gross vehicle weight with hydraulic, pneumatic or automatic suspension.

See standardised fitment drawing for fitment details and other carrier vehicles.

# Bär Cargolift Ret/HydFalt Equipment



## Lifting unit



**Cathodic dip coating** (RAL 9005 – standard) of all steel parts as long-term anti-corrosive protection with out additional top coat. With frequent cleaning of the vehicle, **cathodic dip coating + powder coating** (optional) in RAL colour of your choice.



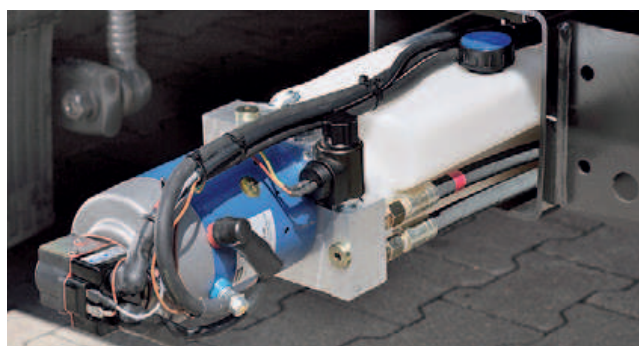
**Sliding mechanism** (standard) with maintenance free sliding guide and the highest stability – for frequent use and continuous operation. Very good sliding properties.



**VDHH electrical interface** (standard) for simple electrical connection.



Hydraulic cylinder with **protective tube or bellow** (standard) as protection from stone chipping and corrosion. Consistently fast, motorised opening by means of double-action tilting cylinders – even in winter.



**Power pack and control unit** are safely protected in the beam (standard). Motor with thermal circuit breaker protecting against overheating and fire. Simple emergency operation of the four basic functions by push-button. **Low-noise power pack** (option) available.



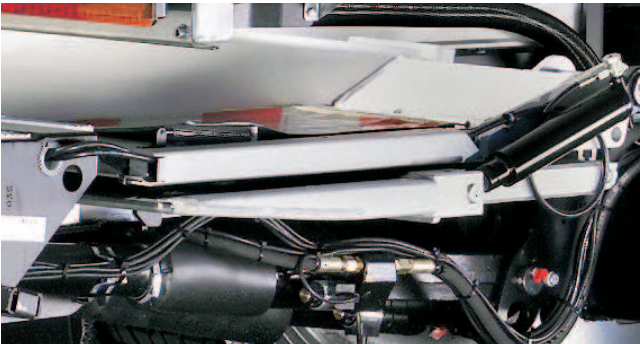
Standard **hydraulic oil** requires annual oil change before the winter. For longer oil change interval (every 3 years) as well as for use at low temperatures of up to -45°C: Biodegradable **Syntofluid oil** (option).



# Bär Cargolift Ret/HydFalt Equipment



## Platform



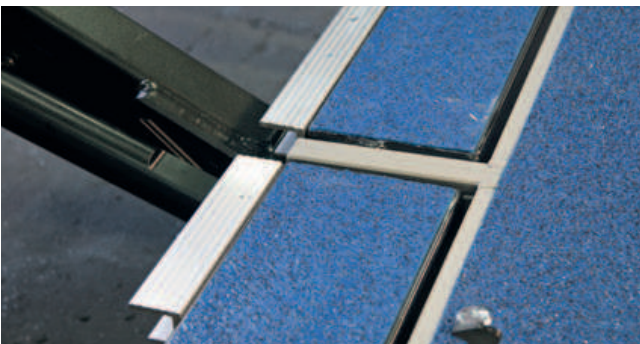
Natural aluminium **platform surface** (R42 standard) or **anodised** (H42 standard, R42 option) available. User-friendly manual folding of platform tip with **spring assistance** (R42 standard).



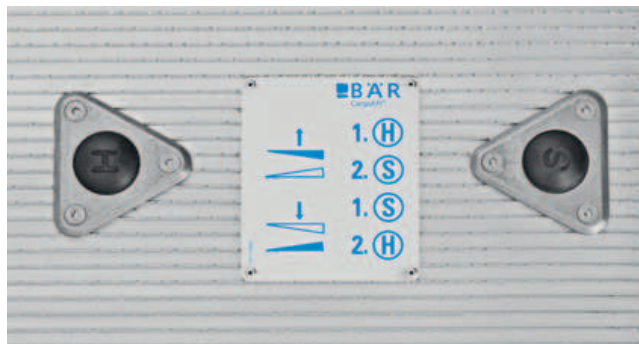
Durable **CargoFlash** LED flashing light (standard) with high light intensity and very good sidewise emission with low current consumption.



Bär **SilentGrip** (option, R11) for increased noise insulation during night-time or morning deliveries in residential areas.



**Aluminium bridge plate** with rubber buffers (standard) enables a quiet approach to the rear portal that is flush with the ground. Holding fixtures of twist locks can be easily omitted.



Bär **foot control** (standard) offers simple operation by means of two foot switches in addition to a safe location.

# Bär Cargolift Ret/HydFalt Equipment

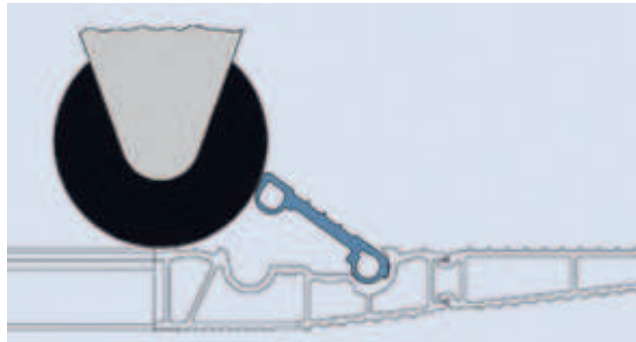
## Plattform – trolley stops (option)

Bär Cargolift offers various **trolley stops** depending on the platform system which is in use. All trolley stops are distinguished by the highest roll-over resistance thanks to a double floor. Operating levers are always outside of the operating range.

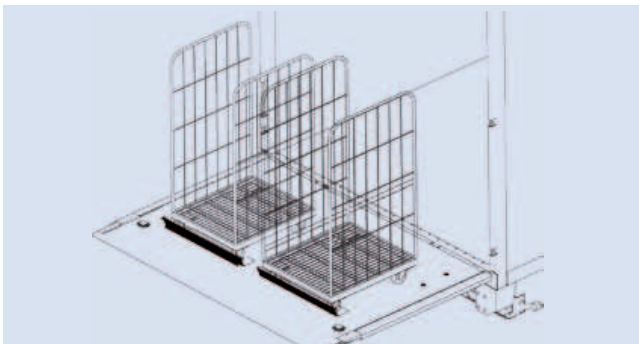
For Ret/HydFalt Cargolifts, Bär offers the **trolley stops 2rd and 2ad**, which enable two switching positions by means of operating lever.

Position (1) - Loading - flap opens automatically after being driven over with trolleys

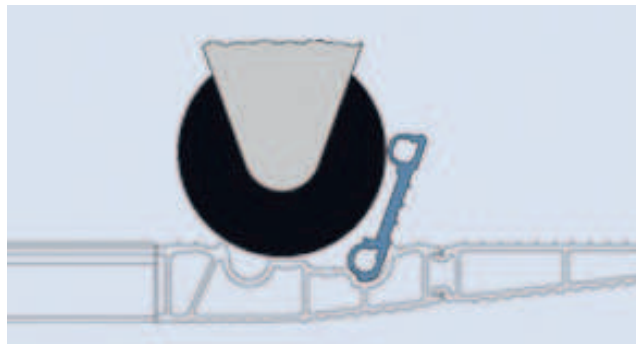
Position (2) - Unloading - flap locks after tramping down



**Trolley stop rd** as a barrier for rollers with an opening angle of 43° for roller diameter up to 110 mm. Flap width: 850 mm with min. platform width of 2400 mm.



**Trolley stops 2rd and 2ad** enable the simultaneous transport of two trolleys. The trolley stop flaps open individually.



**Trolley stop ad** as a recess for rollers with an opening angle of 110° for roller diameter up to 200 mm. Flap width: 850 mm with min. platform width of 2400 mm.

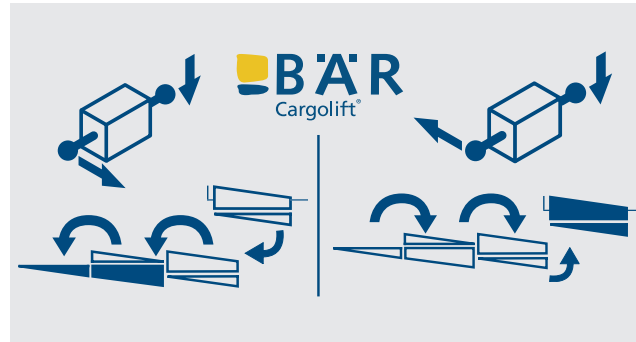
# Bär Cargolift Ret/HydFalt Equipment



## Control elements



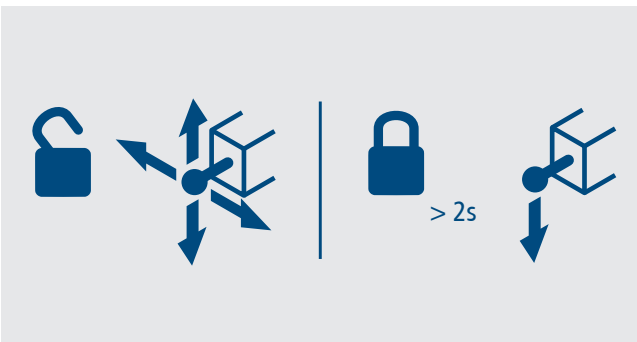
**Bär Control EVO** (standard) is intuitive in use, durably constructed and can be easily operated with gloves thanks to the vertically and horizontally operating joysticks.



With **EasyFold** (option H42), one operating command is all it takes to get into the working position or the driving position – safely, easily and comfortably.



**Protection cover** (option) for Bär Control EVO made of stainless steel.



**SwitchKey** (option, series on S4A) enables the Cargolift to be switched on and off with the control lever, thus preventing any undesired operation.



**External electrical key switch** (option) for mounting on control box holder. Prevents any undesired operation as an alternative to the SwitchKey.



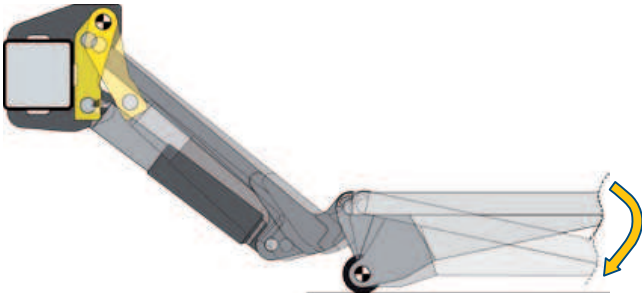
**Bär SmartControl Plus** (option) with additional functions (e.g. driving in and out, see technologies). Optionally available with **rechargeable hand-held transmitter and docking station** – cabin switch via radio and starter interruption.



# Bär Cargolift Ret/HydFalt Equipment



## Control elements



Gentle set-down with **automatic tilt down on the ground** (standard) for safe loading. The platform returns to its original position when tilting up by means of memory effect.

## Vehicle connection



**SmartCharge SC-VEHH** electronically controlled charging system (option) as standardised plug connection for arbitrary swapping of tractor vehicle and trailer. Intelligent control unit assures sufficient battery fold at the unloading point. Indication of faults via blinking signal.



**Bridge plate** (option) for various BDF swap body lengths.



**Pushbutton plate with 2 functions** (option) for fitment inside the body.



Bär **BatteryBox** (option) available for side fitment under the body.



**Bolted lifting arm stop** (option) for various BDF swap body lengths. Perfect adjustability for efficient loading and unloading.

## Bär Cargolift service products



Extended warranty

### Bär CargoProtect

Success does not happen by chance. With the extended warranty for your Bär Cargolift, you can request the extension of the 24-month warranty if necessary and secure your budget against unpleasant surprises. For sure.



### Service training for service partners

The market is constantly developing. New technologies come into being, laws are harmonised or further expanded, new personnel must be trained. Reason enough for Bär to support its partners with a diverse range of service training. Find out more about the service training on offer from Bär Cargolift.



Maintenance and repair contract

### Bär CargoRate

Full service, no risk. With our maintenance and repair contract, you convert your difficult-to-calculate lifecycle costs into a fixed monthly rate. And our certified service partners keep your Bär Cargolift in top condition at any time. Throughout its product life cycle.



### Regular maintenance & inspection

Regular maintenance ensures the fault-free function of your Bär Cargolift in day-to-day use. It is also a requirement for warranty claims starting in the second year of operation. Since the legally stipulated regular inspection does not mandate maintenance, the service record documents the necessary measures.



Service and diagnostic software

### Bär CargoCheck

Easy and quick, just as service should be. Bär CargoCheck enables the immediate diagnosis of faults. Or also optimum parametrisation. Connect the USB cable and then get started.



### Bär Cargolift WebShop

Things have to move quickly in an emergency. You can therefore obtain Bär original spare parts and the associated documents / software easily via the WebShop – i.e. specific to the serial number. Or submit data in the case of a warranty claim. Fast, simple and effective.

# Bär Cargolift – Lifting Performance.



The world of transport and logistics is becoming more and more competitive and complex. In order to work successfully in this business, customer oriented solutions with maximum efficiency are required. And last but not least high performance tail lifts.

Bär considers the tail lift as an integral part of an overall system which is being optimized user specifically to maximum performance. Only with a deep understanding of the various transportation tasks an ideal product solution can be created.

The core competence of Bär Cargolift is the continuous enhancement of the performance of tail lifts.

The customer of Bär Cargolift can be sure to receive a solution that supports his work in an optimal way. He gets supported in all phases of the product life cycle from ordering to mounting and from handling to service – based on partnership.

Bär Cargolift has shaped the industry over decades with innovative solutions. Solid technology that can be used easily and safely has created the decisive advance versus the competition.



Gerd Bär GmbH, Heilbronn, Germany

## Bär Cargolift – Lifting Performance.



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