

## Ret/HydFalt – The retractable tailgate with double folded platform



Bär Cargolift – Lifting Performance.



## Bär Cargolift Ret/HydFalt Flexible, simple and robust – with hydraulic folding on request



Available since 1994, the product group Bär Cargolift Ret/HydFalt 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.

Since 2021, HydFalt operation has been unimaginably simple: First, several operating functions were combined in one operating command with the EasyFold automatic function sequence. From 2022 on, the Bär SmartControl Plus radio remote control will also use EasyFold and thus enable HydFalt operation by radio including platform folding.

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.

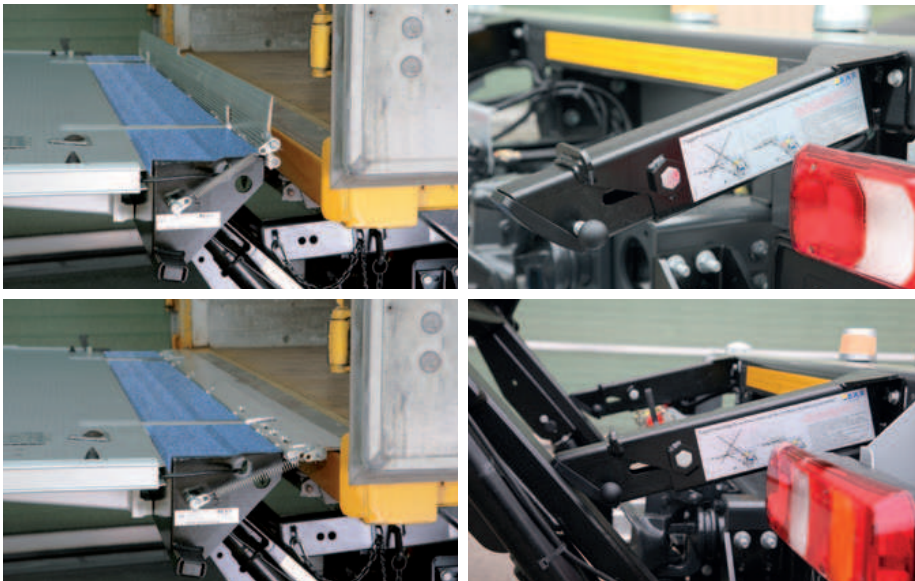


# Bär Cargolift Ret/HydFalt

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

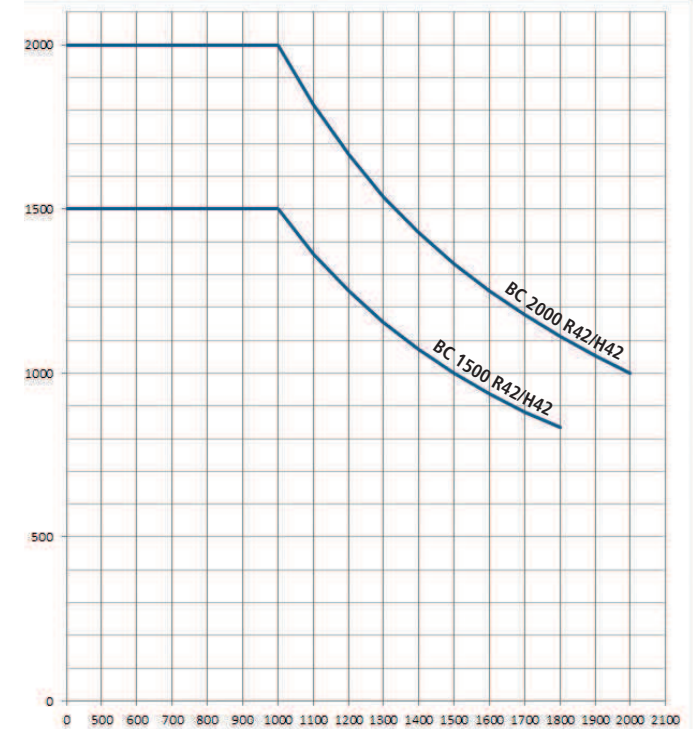


Alle unterfahrbaren Ret/HydFalt Cargolifts – egal ob manuell gefaltet (R42) oder hydraulisch (H42) – können an **BDF-Wechselaufbauten** montiert werden. Mit den Tragarmanschlügen und der Klappbrücke (beides optional) können Sie frei zwischen Wechselaufbauten nach EN 284 wählen: Pritsche / Plane, Trockenfracht- oder Kühlkoffer der Größe C 715 und C 745 (mit Modifikation zusätzlich C 782).



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

Load capacity



Load diagram of Ret/HydFalt product group

Load centre



# Bär Cargolift Ret/HydFalt BC 1500 / 2000 R42 – Simple, flexible, robust



The Cargolift for complex logistics tasks: BC 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 vehicle can then be used alternatingly in distribution and long-distance transport as desired.

| Carrier vehicle | GVW/t min.     | GVW/t max |
|-----------------|----------------|-----------|
| Lkw             | 8,6 t / 12,0 t | 25,0 t    |
| Anhänger        | 8,6 t / 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 |
|---------------|-------------|-------------|
| 1500 kg       | 1000 mm     | 15,0 kNm    |
| 2000 kg       | 1000 mm     | 20,0 kNm    |

### Aluminium platform

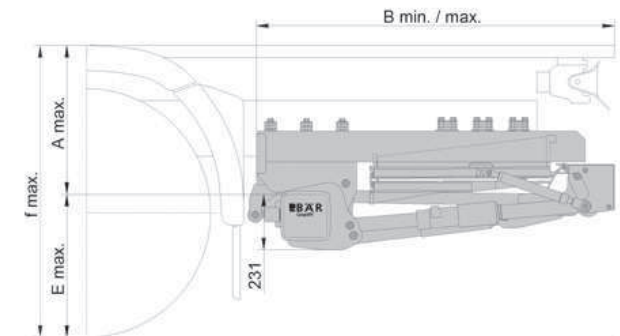
| Platform system | Height         | Width   |
|-----------------|----------------|---------|
| PBret 1500 kg   | 1560 / 1810 mm | 2400 mm |
| PBret 2000 kg   | 1810 / 2010 mm | 2400 mm |

### Weight with platform width 2400 mm

| Platform height | BC 1500 R42 | BC 2000 R42 |
|-----------------|-------------|-------------|
| 1560 mm         | 599 kg      | –           |
| 1810 mm         | 613 kg      | 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          | 1560 mm | 1560/<br>1810mm | 1810/<br>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.

\* BC 2000 R42 is available in arm length 1000 mm and 1100 mm.

# Bär Cargolift Ret/HydFalt BC 1500 / 2000 H42 – Horizontal retractable, hydraulically folded



Numerous loading places, low installation space, high time pressure – the BC 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 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 |
|-----------------|----------------|-----------|
| Lkw             | 8,6 t / 12,0 t | 25,0 t    |
| Anhänger        | 8,6 t / 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 |
|---------------|-------------|-------------|
| 1500 kg       | 1000 mm     | 15,0 kNm    |
| 2000 kg       | 1000 mm     | 20,0 kNm    |

### Aluminium platform

| Platform system | Height          | Width   |
|-----------------|-----------------|---------|
| PBhyd 1500 kg   | 1560* / 1810 mm | 2400 mm |
| PBhyd 2000 kg   | 1810 / 2010 mm  | 2400 mm |

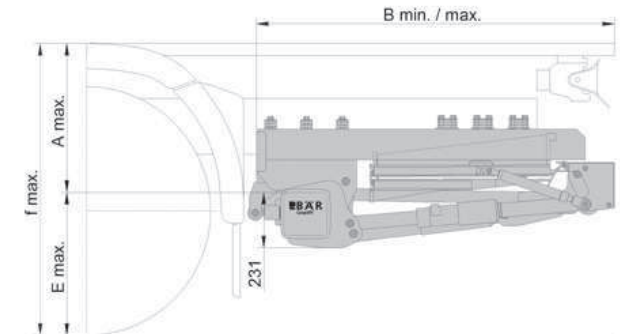
\* Manual folding of the platform tip.

### Weight with platform width 2400 mm

| Platform height | BC 1500 H42 | BC 2000 H42 |
|-----------------|-------------|-------------|
| 1560 mm         | 574 kg      | –           |
| 1810 mm         | 583 kg      | 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          | 1560 mm | 1560/<br>1810 mm | 1810 /<br>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.

\*\* BC 2000 H42 is available in arm length 1000 mm and 1100 mm.

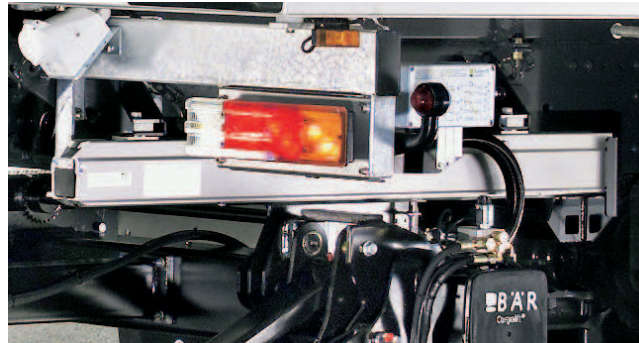
# Bär Cargolift Ret/HydFalt Equipment



## 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.



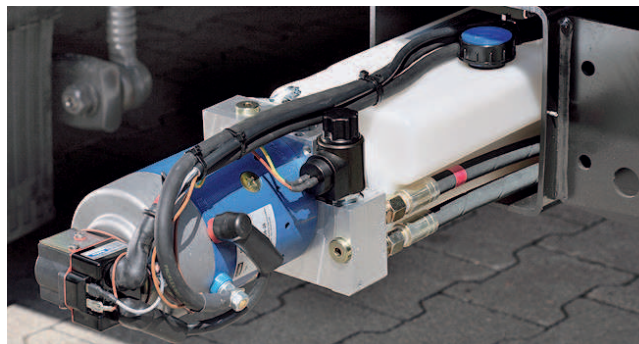
**Sliding mechanism** (standard) with maintenance free sliding guide and the highest stability – for frequent use and continuous operation. Very good sliding properties.



**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.

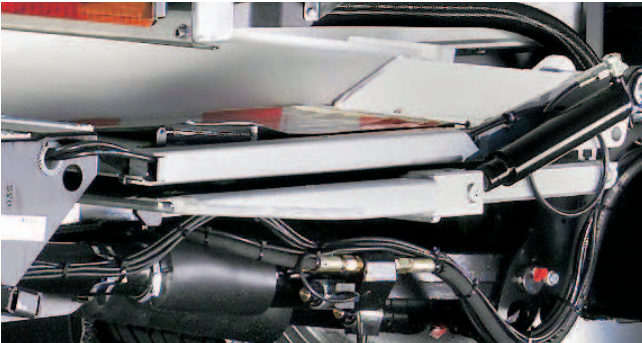


Standard **hydraulic oil** requires annual oil change before the winter. For longer oil change interval (every 3 years) as well as for use at low temperatures of up to -45°C: Biodegradable **Syntofluid oil** (option).

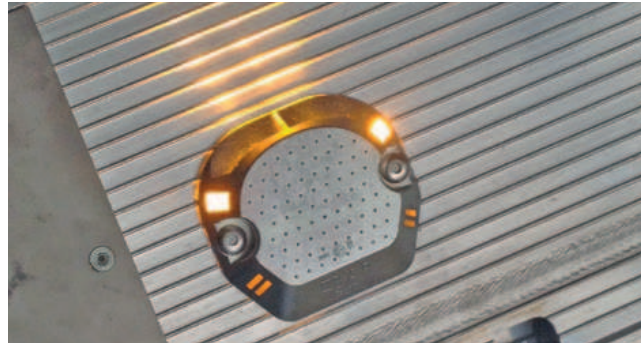
# Bär Cargolift Ret/HydFalt Equipment



## Platform



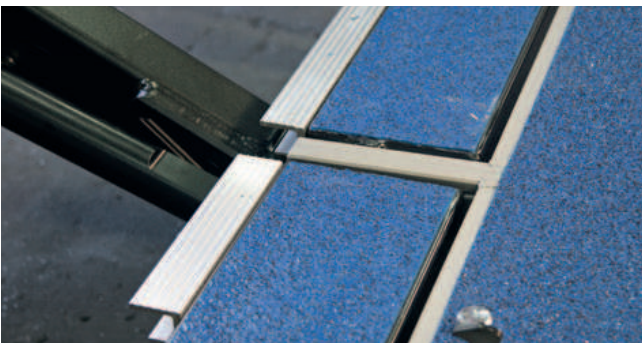
Natural aluminium **platform surface** (R42 standard) or **anodised** (H42 standard, R42 option) available. User-friendly manual folding of platform tip with **spring assistance** (R42 standard).



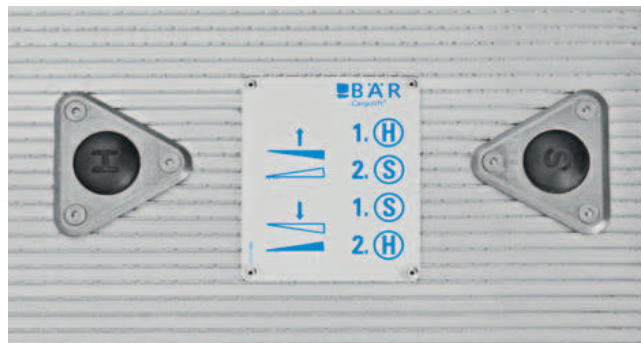
Durable **CargoFlash** LED flashing light (standard) with high light intensity and very good sidewise emission with low current consumption.



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.

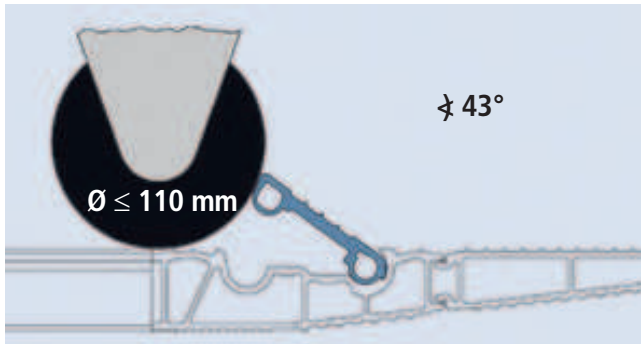


Bär **foot control** (standard) offers simple operation by means of two foot switches in addition to a safe location.

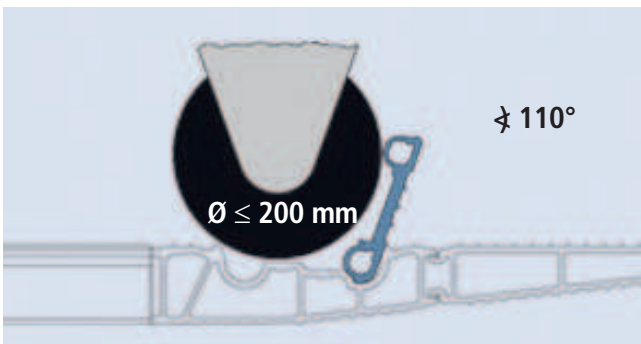
# Bär Cargolift Ret/HydFalt Equipment



## Plattform – trolley stops (option)



**Trolley stop rd** as with operating lever and two switch positions. The trolley stop flaps open individually. Available as 2rd for two trolleys. Flap width 850 mm.

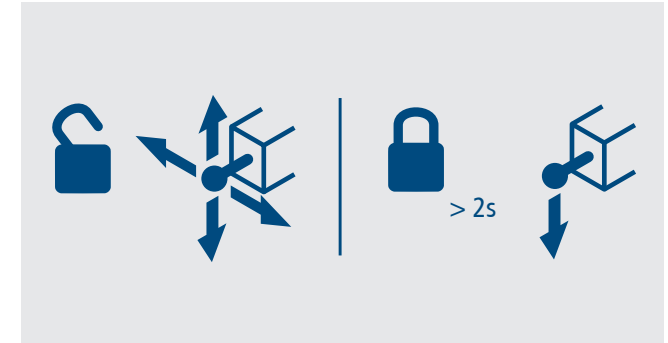


**Trolley stop ad** with operating lever and two switch positions. The trolley stop flaps open individually. Available as 2ad for two trolleys. Flap width 850 mm.

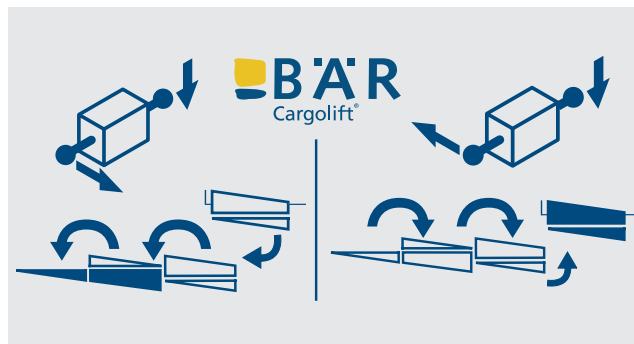
## Control elements



**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.



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



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.



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

# Bär Cargolift Ret/HydFalt Equipment



## Control elements



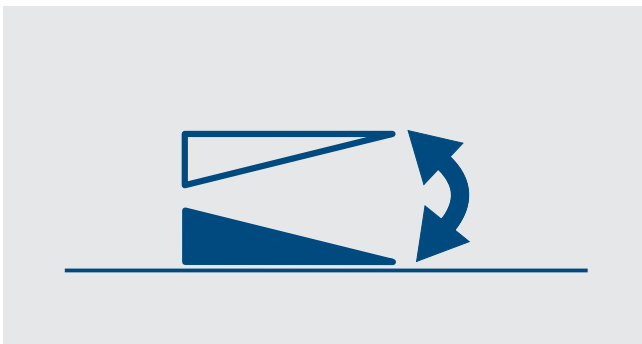
**Protection cover** (option) for Bär Control EVO made of stainless steel.



**Bär SmartControl Plus** (option) for CE-compliant operation by radio – including retraction and extension as well as automatic locking of all controls when leaving the working area (RadioKey). For H42 including platform folding by means of EasyFold, activated via F-key.



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



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.



**Bär SmartControl Plus with docking station** (option) with rechargeable hand-held transmitter (instead of battery-powered transmitter). Cabin switch via radio and starter interruption possible.

# Bär Cargolift Ret/HydFalt Equipment



## 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.



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.

The family company – medium-sized, owner-managed, sustainable



Bar Baltic Production UAB in Šiauliai, Lithuania

Additional production site since 2021

Highly automated sheet metal part production and production of welded steel assemblies

Energy-efficient building A++ as well as CO2-neutral energy consumption of all welding processes



Gerd Bär GmbH in Heilbronn, Germany

Traditional location since 1981

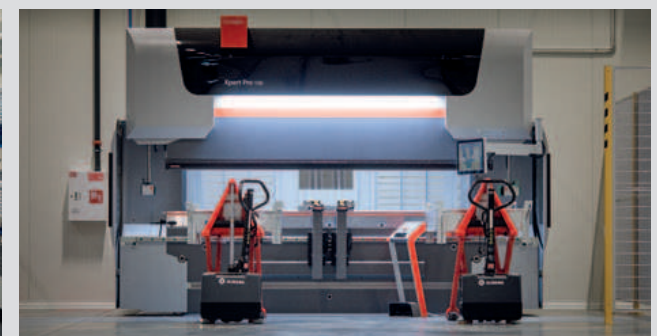
Customer-oriented consulting competence for professional Users

Core competence aluminium platform production

Efficient assembly lines for lifting mechanisms

Logistics centre for Cargolifts and Bär original spare parts

Control centre for all corporate functions



# Bär Cargolift – On the spot for you with sales and service!

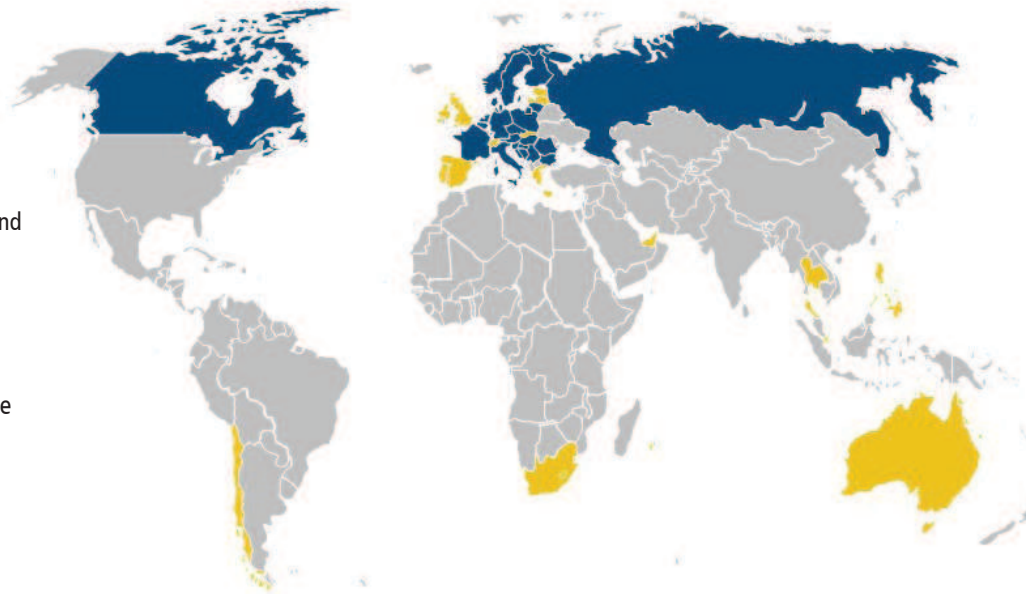


## BÄR companies for sales and service:

-  Gerd Bär GmbH, Germany
-  Bär Cargolift France SAS, France
-  Bar Cargolift Canada Inc., Canada
-  Bär Praha s.r.o., Czech Republic
-  Bär Cargolift Polska Sp. z o.o., Poland
-  Bär Cargolift RUS OOO, Russia

## BÄR sales offices for sales and service in the following countries:

-  Austria
-  Netherlands (BeNeLux)
-  Italy
-  Hungary (South-Eastern Europe)
-  Denmark
-  Sweden (Scandinavia)



## In the countries marked in yellow, BÄR works together with local partners:

-  Switzerland
-  Spain
-  Portugal
-  Great Britain
-  Greece
-  Baltics
-  Chile
-  South Africa
-  United Arab Emirates
-  Thailand
-  Australia
-  Philippines

# 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.

## Bär Cargolift – Lifting Performance.



Find out more about “Bär Cargolift – Lifting Performance. Since 1981.” – the family business, its innovations and its continuous development at: [www.lifting-performance.com](http://www.lifting-performance.com)



Gerd Bär GmbH · Industriegebiet Böllinger Höfe · Pfaffenstraße 7 · D 74078 Heilbronn  
Fon +49 7131 2877-992 · Fax +49 7131 2877-912 · vk@baer-cargolift.de · www.baer-cargolift.com