

RetFalt



Bär Cargolift – Lifting Performance.



Bär Cargolift RetFalt The European Cargolift



High degree of pre-assembly with flexible and low-maintenance use – Bär Cargolift RetFalt. These retractable taillifts can be quickly mounted on trucks by means of a bolted suspension or on semitrailers by means of a bracketed suspension.

While the Cargolift RetFalt is stowed away under the vehicle in driving position, it can quickly be ready for use. After sliding out hydraulically, the platform is easily unfolded manually and provides a large surface for trolley or pallet transport.

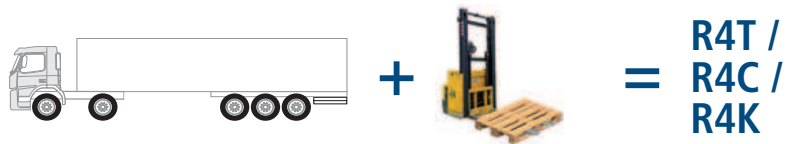
The aluminium sliding mechanism with maintenance free sliding guide is extremely sturdy and has very good sliding properties. The benefits can be seen in frequent use and continuous operation, in particular.



Bär Cargolift RetFalt For trucks and semitrailers



In order to facilitate efficient installation and use of the RetFalt Cargolift, Bär distinguishes the following scenarios:

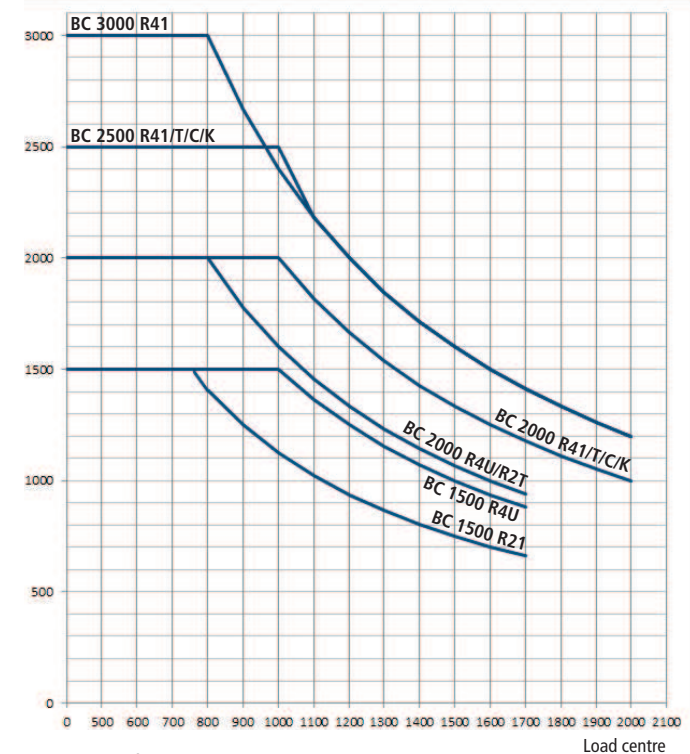


When installed on a truck, the BC **R21** facilitates transport of trolleys or pallets with forklifts, in particular, whereas BC **R41**, with its high load capacity and large platform is designed for pallets. The BC **R4U** offers various driving positions for operation with and without trailers for trucks with deep coupling.

When installed on a semitrailer the BC **R2T** is ideal for the transport of trolleys and light pallets. Its companion for heavy pallet transport is the BC **R4T** or in the even more compact version the **R4C** for steering axle semitrailers or the **R4K** for city semi-trailer (frame rail 1300 mm).

RetFalt Cargolifts are designed to accommodate these loads in consideration of the platform height.

Load capacity



Load diagram of RetFalt product group



Website with product movie

Bär Cargolift RetFalt BC 1500 R21 – The efficient European



The BC 1500 R21 is versatile in use as a Cargolift for trucks with a permissible total gross weight from 8.6 t to 18.0 t with all types of fixed bodies. With a height of 1710 mm, platform enables the transport of trolleys or pallets by pallet truck. As a single folded, retractable Cargolift, it is also quickly ready for use.

Carrier vehicle	GVW/t min.	GVW/t max.
Truck	8,6 t	18,0 t

Load capacity	Load centre	Load moment
1500 kg	750 mm	11,25 kNm

Aluminium platform

Platform system	Height	Width
BAret45VLL	1610 / 1650 / 1710 mm	2400 mm

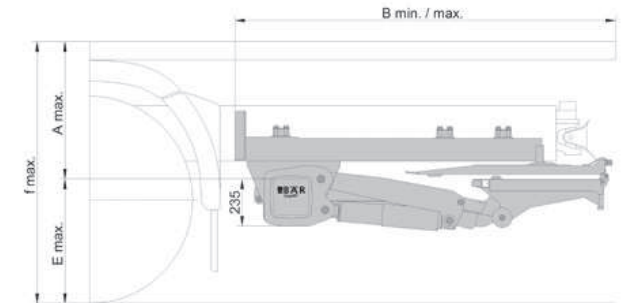
The platform height may vary depending on the carrier vehicle.

Weight with platform width 2400 mm

Platform height	Weight
1710 mm	536 kg

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

Technical data



Arm length	800 mm	900 mm
Lifting height f_{max}	1370 mm	1450 mm
Mass A_{max}	670 mm	750 mm
Mass E_{max}	700 mm	700 mm
Clearance B_{min}	1755 mm	1815 mm
Clearance B_{max}	1990 mm	2080 mm

Frame rail 758 ... 870 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 RetFalt

BC 2000 / 2500 / 3000 R41 – Even more power for the highest demands



Since professional distribution transport demands a lot, the BC R41 offers a lot: a load capacity of 2000 - 3000 kg with 1000/800 mm load centre as well as a platform height of up to 2010 mm offers versatility in use. With the extensive use of aluminium, this retractable Cargolift offers an optimal weight to load bearing capacity ratio. In the process, there is also a sufficient remaining payload for heavy lorries.

Carrier vehicle	GVW/t max.
Truck	60,0 t

Load capacity	Load centre	Load moment
2000 kg	1000 mm	20,0 kNm
2500 kg	1000 mm	25,0 kNm
3000 kg	800 mm	24,0 kNm

Aluminium platform

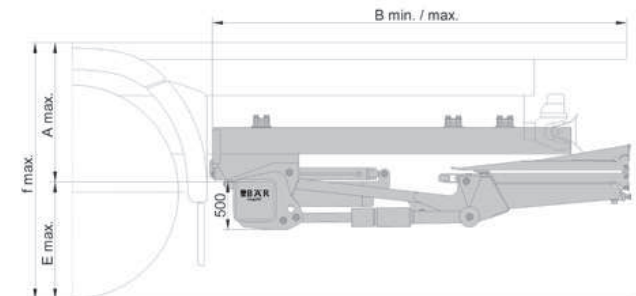
Platform system	Height	Width
BAret45VL	1810 / 1860 / 1910 / 1960 / 2010 mm	2400 mm

Weight with platform width 2400 mm

Platform height	Weight	Weight BC 3000
1810 mm	640 kg	655 kg
2010 mm	645 kg	660 kg

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

Technical data



Arm length	800 mm	900 mm	1000 mm*
Lifting height f_{max}	1350 mm	1430 mm	1510 mm
	1170 mm**	1250 mm**	
Mass A_{max}	665 mm	745 mm	825 mm
Mass E_{max}	685 mm	685 mm	685 mm
	505 mm**	505 mm**	
Clearance B_{min}	2010 mm	2075 mm	2135 mm
Clearance B_{max}	2175 mm	2255 mm	2340 mm

Frame rail 750 ... 870 mm

* Only available for a load capacity of 2000 kg

** Only for a load capacity of 3000 kg

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 Retfalt

BC 1500 / 2000 R4U – For practice-oriented use on trucks with deep coupling



As a Cargolift for trucks with fixed or swap bodies and low coupling, the R4U offers generous freedom of movement of the drawbar besides quick mounting. In driving position without a trailer, the R4U serves as an under run bar with the assistance of the platform support. With use of the low coupling it disappears under the vehicle frame.

Carrier vehicle	GVW/t max.
Truck with low coupling	40,0 t
BDF swap bodies	

Load capacity	Load centre	Load moment
1500 kg	1000 mm	15,0 kNm
2000 kg	800 mm	16,0 kNm

Aluminium platform

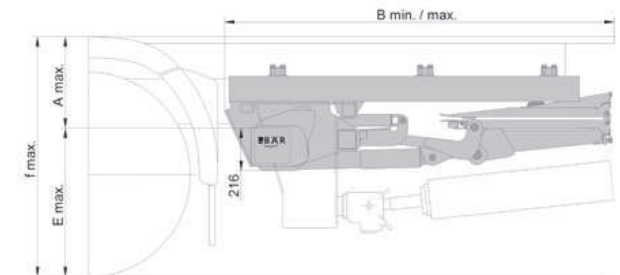
Platform system	Height	Width
BAret45VL	1710 / 1760 / 1810 mm	2400 mm

Weight with platform width 2400 mm

Platform height	Weight
1710 mm	588 kg

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

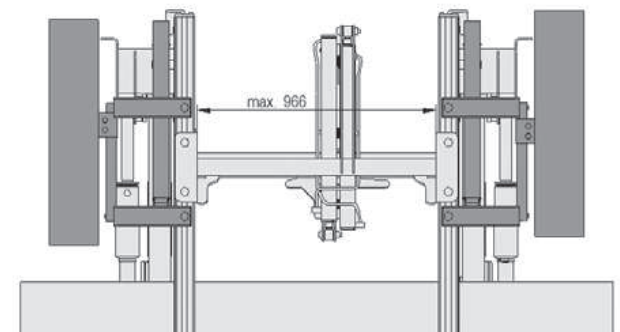
Technical data



Arm length	800 mm	900 mm
Lifting height f_{max}	1360 mm	1490 mm
Mass A_{max}	650 mm	720 mm
Mass E_{max}	710 mm	770 mm
Clearance B_{min}	1905 mm	2005 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.



The power pack case can be installed on the sliding rail on the right or left side.

Property rights applied for.

Bär Cargolift RetFalt BC 2000 R2T – The trailer type for the roads of Europe



Optimal for fitment on semitrailers thanks to the high degree of preassembly and bracketed suspension, quick in use thanks to simple platform folding – the perfect description of the favourite Cargolift of the RetFalt group. The BC 2000 R2T is primarily used for the transport of trolleys or for pallet transport by pallet truck.

Carrier vehicle	GVW/t min.	GVW/t max.
Semitrailers	28,0 t	40,0 t

Load capacity	Load centre	Load moment
2000 kg	800 mm	16,0 kNm

Aluminium platform

Platform system	Height	Width
BAret45VLL	1610 / 1660 / 1710 / 1760 / 1810 mm	2400 mm

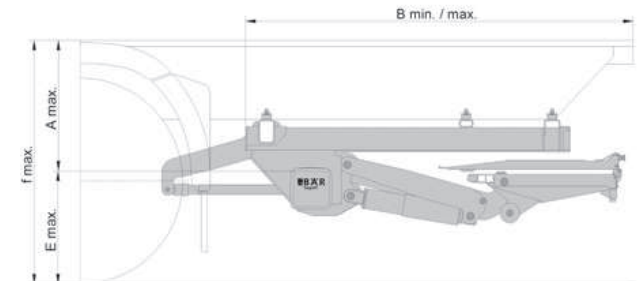
The platform height may vary depending on the carrier vehicle.

Weight with platform width 2400 mm

Platform height	Weight
1710 mm	543 kg

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

Technical data



Arm length	800 mm
Lifting height f_{max}	1365 mm
Mass A_{max}	725 mm
Mass E_{max}	641 mm
Clearance B_{min}	1950 mm
Clearance B_{max}	2140 mm

Frame rail 1270 ... 1350 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 RetFalt BC 2000 / 2500 R4T – For semitrailers and the highest demands



For professional use of a simply folding, retractable Cargolift, the BC 2500 R4T offers a unique weight and load capacity ratio. The platform height of up to 2010 mm and the powerful load moment of 25.0 kNm assure that even heavy, bulky loads can be transported safely. Reduced capacity option available with a load capacity of 2 tons.

Carrier vehicle	GVW/t min.	GVW/t max.
Semitrailers	28,0 t	40,0 t

Load capacity	Load centre	Load moment
2000 kg	1000 mm	20,0 kNm
2500 kg	1000 mm	25,0 kNm

Aluminium platform

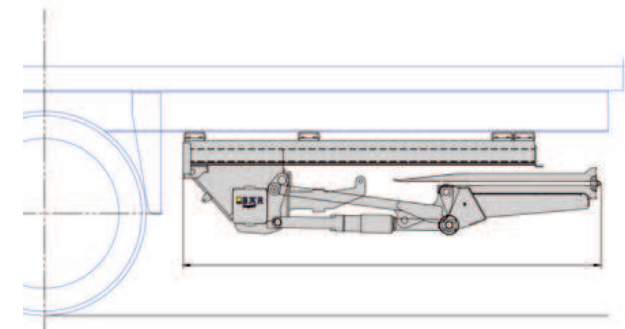
Platform system	Height	Width
BAret45VL	1810 / 1860 / 1910 / 1960 / 2010 mm	2400 mm

Weight with platform width 2400 mm

Platform height	Weight
1810 mm	587 kg
2010 mm	595 kg

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

Technical data



Arm length	900 mm
Lifting height f_{max}	1335 mm
Mass A_{max}	745 mm
Mass E_{max}	590 mm
Clearance B_{min}	2230 mm
Clearance B_{max}	2410 mm

Frame rail 1235 ... 1357 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 RetFalt

BC 2000 / 2500 R4C – The powerful companion for steering axle semitrailers



The movable rear axle of steering axle semitrailers leaves little room for retractable taillifts. However, in order to be able to flexibly load and unload heavy loads, along with compact dimensions the BC 2500 R4C has a powerful load moment of 25.0 kNm. Therefore it is prepared for heavy distribution transport with multi-shift operation and a long service life. Reduced capacity option available with a load capacity of 2 tons.

Carrier vehicle	GVW/t min.	GVW/t max.
Semitrailers	28,0 t	40,0 t

Load capacity	Load centre	Load moment
2000 kg	1000 mm	20,0 kNm
2500 kg	1000 mm	25,0 kNm

Aluminium platform

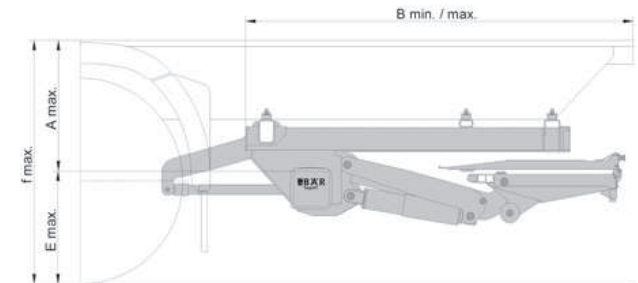
Platform system	Height	Width
BAret45VL	1660 / 1710 / 1760 / 1810 / 1860 mm	2400 mm

Weight with platform width 2400 mm

Platform height	Weight
1660 mm	605 kg

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

Technical data



Arm length	800 mm	900 mm
Lifting height f_{max}	1350 mm	1430 mm
Mass A_{max}	665 mm	745 mm
Mass E_{max}	685 mm	685 mm
Clearance B_{min}	2120 mm	2180 mm
Clearance B_{max}	2280 mm	2365 mm

Frame rail 982 ... 1152 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 RetFalt

BC 2000 / 2500 R4K – The powerful companion for city semi-trailers



Retractable, powerful, compact or in other words: BC R4K. This RetFalt Cargolift offers a powerful load moment of either 20 kNm or 25 kNm. Specially designed for city semi-trailers and trailers with a frame rail of 1300 mm, BC R4K fits perfectly into the carrier vehicle. At the same time, this Cargolift with its one time folded aluminium platform can be used in a variety of ways. The best thing is to try it out!

Carrier vehicle	GVW/t min.	GVW/t max.
City-Sattel	12,0 t	60,0 t

Load capacity	Load centre	Load moment
2000 kg	1000 mm	20,0 kNm
2500 kg	1000 mm	25,0 kNm

Aluminium platform

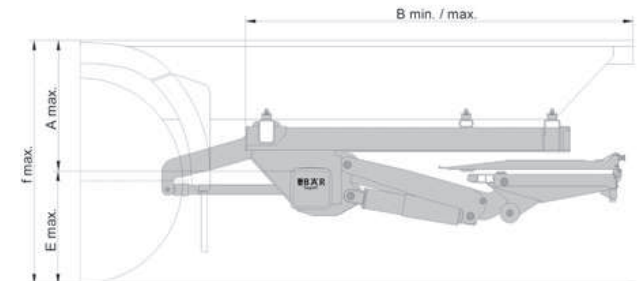
Platform system	Height	Width
BAret45VL	1660-1960 mm	2400 mm

Weight with platform width 2400 mm

Platform height	Weight
1660 mm	580 kg

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

Technical data



Arm length	800 mm	900 mm
Lifting height f_{max}	1405 mm	1545 mm
Mass A_{max}	665 mm	745 mm
Mass E_{max}	590 mm	590 mm
Clearance B_{min}	1835 mm	1900 mm
Clearance B_{max}	2000 mm	2085 mm

Frame rail 1300 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 RetFalt 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.



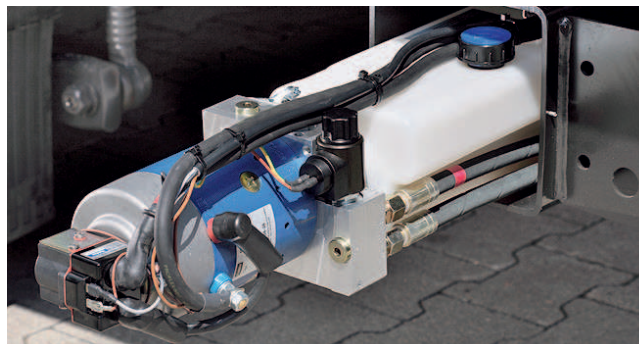
Sliding mechanism (standard) with maintenance free sliding guide and the highest stability – for frequent use and continuous operation. Very good sliding properties.



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).

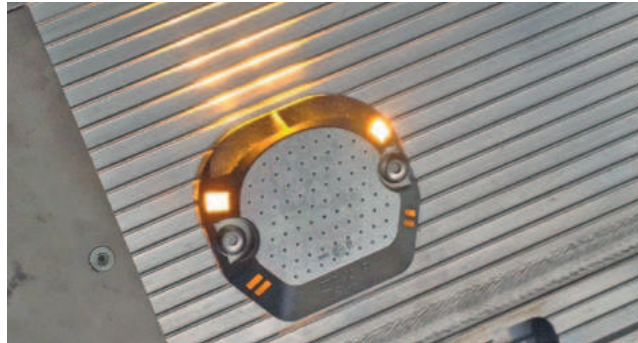
Bär Cargolift RetFalt Equipment



Platform



BÄret45VL(L) platform system with fixed and folding part in natural aluminium (standard). Aluminium platform also available in **anodised** finish (option).



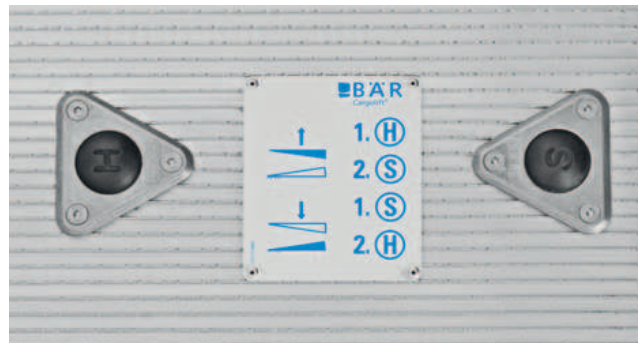
Durable **CargoFlash** LED flashing light (standard) with high light intensity and very good sidewise emission with low current consumption.



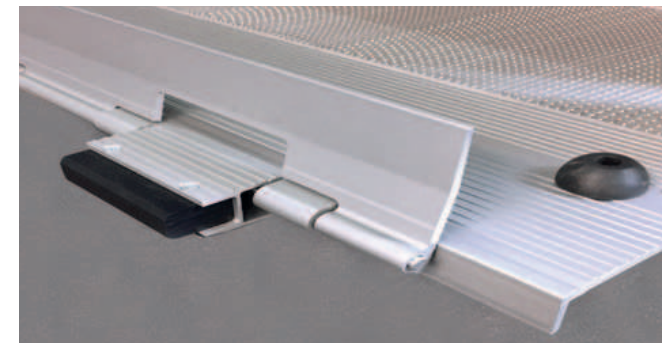
Aluminium bridge plate (standard), available with **cut outs** for door locks on request (option).



Manual folding of platform tip with **spring assistance** (standard).



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



Bridge plate (option R4U) with integrated rubber buffer as a platform end-stop.

Bär Cargolift RetFalt Equipment



Plattform – trolley stop (option)

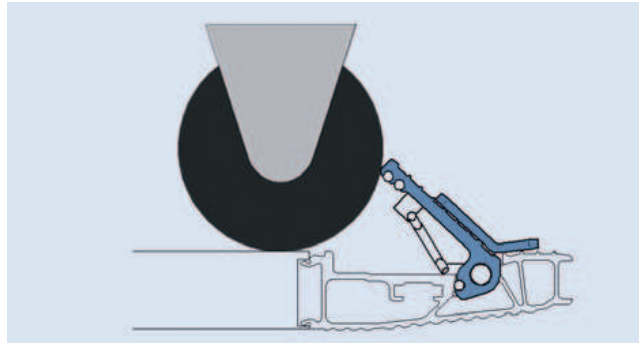
Bär Cargolift offers various **trolley stops** depending on the platform system which is in use. All trolley stops are distinguished by the highest roll-over resistance thanks to a double floor. Operating levers are always outside of the operating range.

For RetFalt Cargolifts, Bär offers the **trolley stops Rx, rd and ad**, which enable two switching positions by means of operating lever.

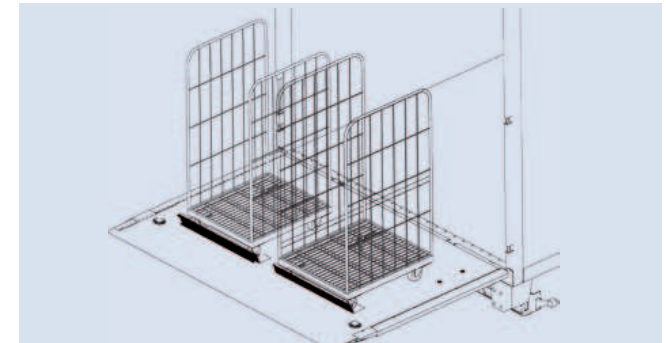
Position (1) - Loading - flap opens automatically after being driven over with trolleys

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

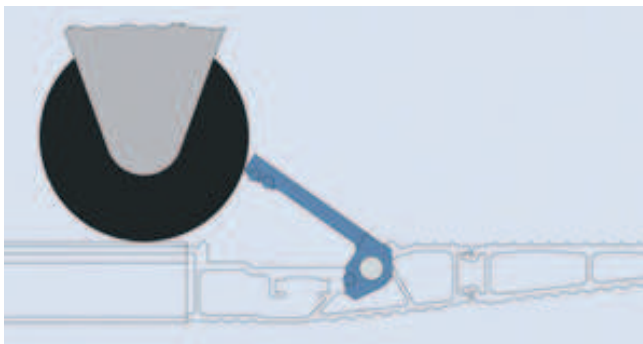
The **trolley stops 2Rs** can be opened with a tumbler switch and closed again after tramping down.



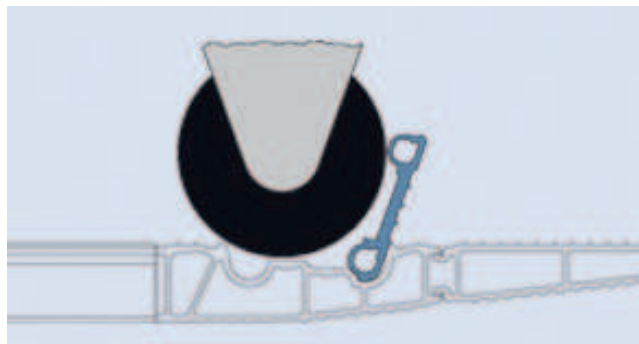
Trolley stop Rs / rd as a barrier for rollers with an opening angle of 43° for roller diameter up to 110 mm. Flap width Rs: 1012 mm (R21: 890 mm). Flap width rd: 850 mm with platform width 2400 mm. The trolley stop flaps open individually.



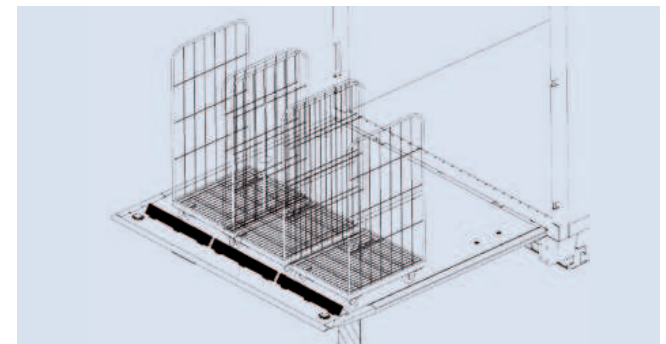
Trolley stops 2Rx, 2rd, 2Rs and 2ad enable the simultaneous transport of two trolleys.



Trolley stop Rx as a barrier for rollers with an opening angle of 43° for roller diameter up to 110 mm. Flap width 2Rx: 1012 mm. Flap width 3Rx: 700 mm. The trolley stop flaps open simultaneously.



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. The trolley stop flaps open individually.



Trolley stop 3Rx for three trolleys.

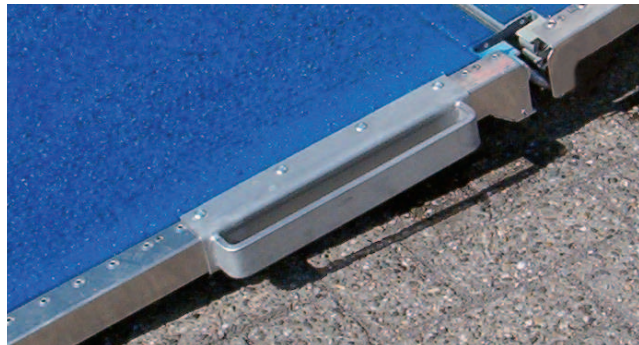
Bär Cargolift RetFalt Equipment



Platform



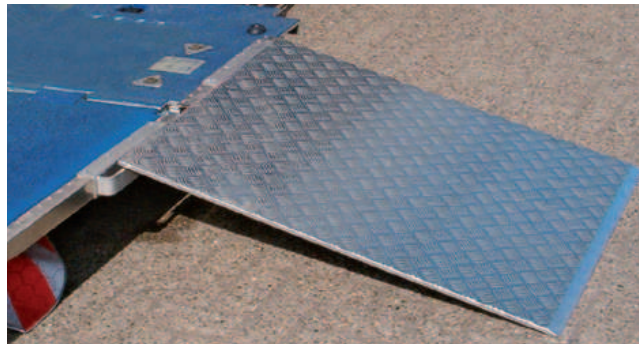
More safety and more traction on the platform with the **TracGrip** and **SideGrip** anti-slip platform surfaces (standard, R11) – even with wet surface. **TracGrip Plus** is optionally available with increased R13 anti-slip resistance.



Durable attachment device (option) made of stainless steel for side bridge plate.



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

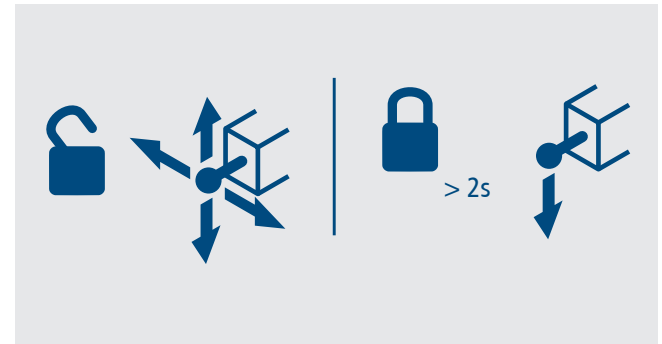


Bridge plate (option) for side loading. Length 1000 mm, width 860 mm.

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. Platform angle for tilting up can be saved with the right control lever.



SwitchKey (option on R21/R41/R4U, standard on R2T/R4T/R4C) enables the Cargolift to be switched on and off with the control lever, thus preventing any undesired operation.

Bär Cargolift RetFalt Equipment



Control elements



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



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



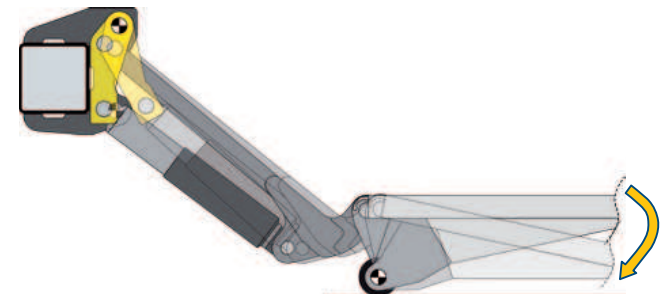
Bär SmartControl Plus (option) for CE-compliant operation by radio – including retraction and extension as well as automatic locking of all controls when leaving the working area (RadioKey). Battery-powered or rechargeable with docking station available.



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



Cable remote control (option) with two functions, incl. platform marking for the assigned operating position. Socket for cable remote control pre-fitted on the control box or available 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 (standard for R4).

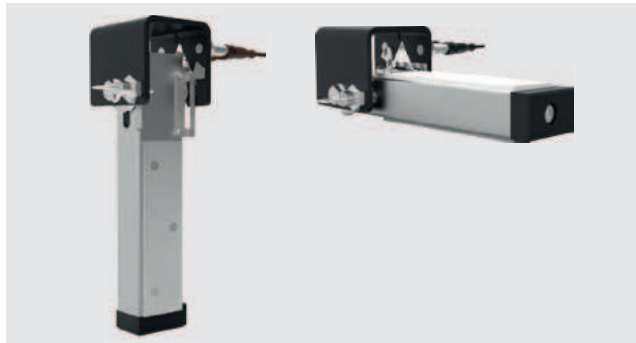
Bär Cargolift RetFalt Equipment



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.



Pendulum support (R4U series) for positioning of the platform as an under run bar in solo operation with integrated position recognition.



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

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



Bär Cargolifts comply with the CE-Norm



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