

Falt



Bär Cargolift – Lifting Performance.

**BÄR**  
Cargolift®

# Bär Cargolift Falt

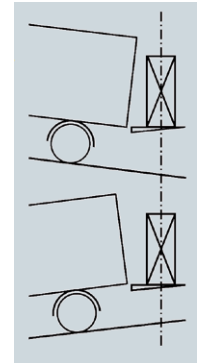
## Ideal for deep-freeze bodies and for ramp loading



Do you often require free access to the doors, such as when loading and unloading on a ramp? Would a standard platform be disruptive in vehicle use? Then Bär Cargolift Falt is your solution for loading tasks.

In driving position the Bär Cargolift Falt folds down under the vehicle floor. This enables non-restrictive ramp loading. If the Cargolift is needed, the command “lower” sets up the platform package mechanically, so that the user can then unfold it manually. The folding process is thereby facilitated with a spring assistance.

With frequent loading and unloading on a hillside, Bär recommends version F4: While F2 Cargolifts only have two lifting cylinders, the two additional tilting cylinders of the F4 Cargolift enable tilting adjustment at any height. This increases safety and comfort when loading.

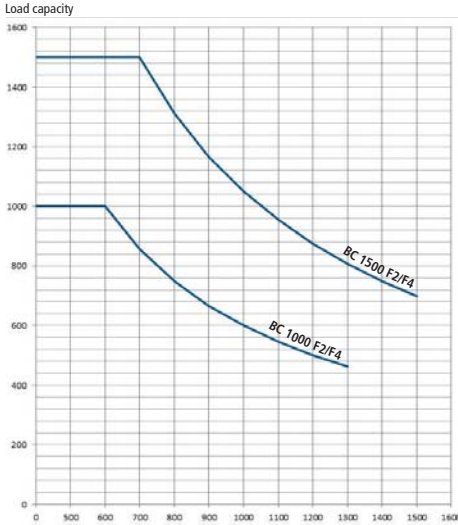


# Bär Cargolift Fold

For loading work as necessary



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



Load diagram of Falt product group

Load centre

# Bär Cargolift Falt

## BC 1000 F2 – The simple and flexible alternative



The manually unfolding BC 1000 F2 is a favourite solution for trolley transport with frequent loading and unloading at ramps. When at the ramp, this Cargolift disappears out of sight under the vehicle. When needed, however, it is quickly available for use.

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

Load capacity	Load centre	Load moment
1000 kg	600 mm	6,0 kNm

### Aluminium platform

Platform system	Height	Width
BAfalt40VL	1210 / 1310 mm	2250 / 2480 mm

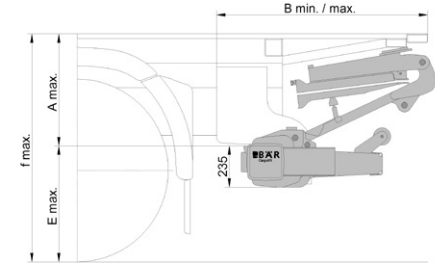
Platform width of 2250 mm requires a minimum body width of 2500 mm.

### Weight with platform width 2250 mm

Platform height	Weight
1210 mm	342 kg
1310 mm	347 kg

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

### Technical data



Platform height	1210 mm	1310 mm
Arm length	800 mm	800 mm
Lifting height* f <sub>min</sub>	985 mm	1035 mm
Lifting height* f <sub>max</sub>	1275 mm	1275 mm
Mass A <sub>max</sub>	655 mm	600 mm
Mass E <sub>max</sub>	620 mm	620 mm
Clearance B <sub>min</sub>	1020 mm	1070 mm
Clearance B <sub>max</sub>	1110 mm	1110 mm

\*+ 50 with insulated floor

See fitment drawing for fitment details.

Thanks to its design, the structure of the body floor and the insulation value of the refrigerated body are maintained.

# Bär Cargolift Falt

## BC 1000 F4 – Simple, flexible, with tilting compensation



Ramp use and trolley transport also characterise the BC 1000 F4. Unlike F2 variants, it offers tilting compensation at every height by means of two tilting cylinders. In addition to user convenience, also safety is increased.

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

Load capacity	Load centre	Load moment
1000 kg	600 mm	6,0 kNm

### Aluminium platform

Platform system	Height	Width
BAfalt40VL	1210 / 1310 mm	2250 / 2480 mm

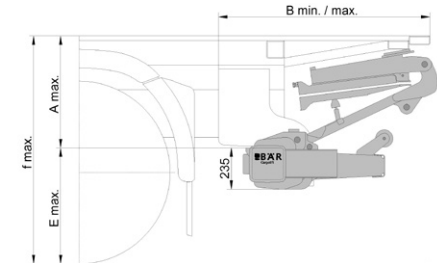
Platform width of 2250 mm requires a minimum body width of 2500 mm.

### Weight with platform width 2250 mm

Platform height	Weight
1210 mm	365 kg
1310 mm	370 kg

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

### Technical data



Platform height	1210 mm	1310 mm
Arm length	800 mm	800 mm
Lifting height* f <sub>min</sub>	985 mm	1035 mm
Lifting height* f <sub>max</sub>	1275 mm	1275 mm
Mass A <sub>max</sub>	655 mm	600 mm
Mass E <sub>max</sub>	620 mm	620 mm
Clearance B <sub>min</sub>	1020 mm	1070 mm
Clearance B <sub>max</sub>	1110 mm	1110 mm

\*+ 50 with insulated floor

See fitment drawing for fitment details.

Thanks to its design, the structure of the body floor and the insulation value of the refrigerated body are maintained.

# Bär Cargolift falt

## BC 1500 F2 – Simple handling with solid loading capacity



With manual unfolding with compact platform dimensions, the BC 1500 F2 offers a load capacity of 1500 kg and aluminium platforms with height of up to 1510 mm. Like all falt Cargolifts, the BC 1500 F2 also remains out of sight below the vehicle while at a ramp and quickly can be ready for use on demand.

Carrier vehicle	GVW/t min.	GVW/t max.
Truck	8,0 t	40,0 t
Trailer	8,0 t	40,0 t

Load capacity	Load centre	Load moment
1500 kg	700 mm	10,5 kNm

### Aluminium platform

Platform system	Height	Width
BAfalt40VL	1310 / 1510 mm	2250 / 2480 mm

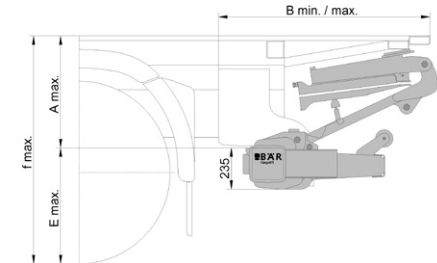
Platform width of 2250 mm requires a minimum body width of 2500 mm.

### Weight with platform width 2250 mm

Platform height	Weight
1310 mm	485 kg
1510 mm	491 kg

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

### Technical data



Platform height	1310 mm		1510 mm	
	900 mm	1000 mm	900 mm	1000 mm
Arm length	900 mm	1000 mm	900 mm	1000 mm
Lifting height* $f_{min}$	1050 mm	1050 mm	1140 mm	1140 mm
Lifting height* $f_{max}$	1495 mm	1590 mm	1400 mm	1510 mm
Mass $A_{max}$	795 mm	875 mm	700 mm	795 mm
Mass $E_{max}$	700 mm	715 mm	700 mm	715 mm
Clearance $B_{min}$	1050 mm	1115 mm	1155 mm	1210 mm
Clearance $B_{max}$	1275 mm	1335 mm	1275 mm	1335 mm

\*+ 50 with insulated floor

See fitment drawing for fitment details.

Thanks to its design, the structure of the body floor and the insulation value of the refrigerated body are maintained.

# Bär Cargolift Falt

## BC 1500 F4 – Simple, flexible, with tilting compensation



The BC 1500 F4 is also characterised by a load capacity of 1500 kg and platforms with a height of up to 1510 mm. Unlike F2 variants, it offers tilting compensation at every height by means of two tilting cylinders. In addition to user convenience, also safety is increased.

Carrier vehicle	GVW/t min.	GVW/t max.
Truck	8,0 t	40,0 t
Trailer	8,0 t	40,0 t

Load capacity	Load centre	Load moment
1500 kg	700 mm	10,5 kNm

### Aluminium platform

Platform system	Height	Width
BAfalt40VL	1310 / 1510 mm	2250 / 2480 mm

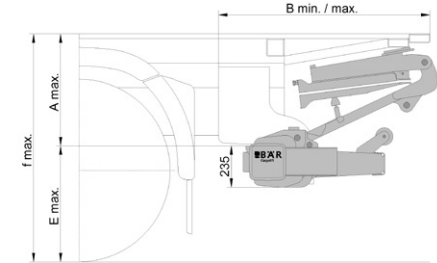
Platform width of 2250 mm requires a minimum body width of 2500 mm.

### Weight with platform width 2250 mm

Platform height	Weight
1310 mm	508 kg
1510 mm	514 kg

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

### Technical data



Platform height	1310 mm		1510 mm	
Arm length	900 mm	1000 mm	900 mm	1000 mm
Lifting height* $f_{min}$	1050 mm	1050 mm	1140 mm	1140 mm
Lifting height* $f_{max}$	1495 mm	1590 mm	1400 mm	1510 mm
Mass $A_{max}$	795 mm	875 mm	700 mm	795 mm
Mass $E_{max}$	700 mm	715 mm	700 mm	715 mm
Clearance $B_{min}$	1050 mm	1115 mm	1155 mm	1210 mm
Clearance $B_{max}$	1275 mm	1335 mm	1275 mm	1335 mm

\*+ 50 with insulated floor

See fitment drawing for fitment details.

Thanks to its design, the structure of the body floor and the insulation value of the refrigerated body are maintained.

# Bär Cargolift Falt Equipment

## Lifting unit



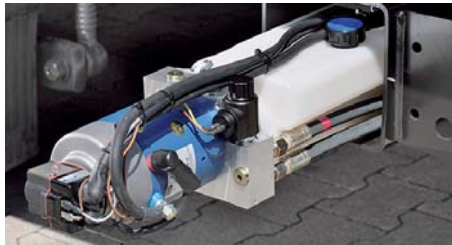
**Cathodic dip coating** (RAL 9005 - standard) of all steel parts as long-term anti-corrosive protection with out additional top coat. With frequent cleaning of the vehicle, **cathodic dip coating + powder coating** (optional) in RAL colour of your choice.



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.



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



**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 Falt Equipment



## Platform



Natural **aluminium** rear platform side (standard). **Anodised** platform (option) available.



**Ground rollers** (standard) protect the platform from mechanical abrasion with ground contact.



More safety and more traction on the platform with the **TracGrip** and **SideGrip** anti-slip platform surfaces (standard, R10) – even with wet surface. **TracGrip Plus** is optionally available with increased R13 anti-slip resistance.



User-friendly manual folding of platform package and platform tip with **spring relief** (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.

# Bär Cargolift Falt Equipment

## Platform



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

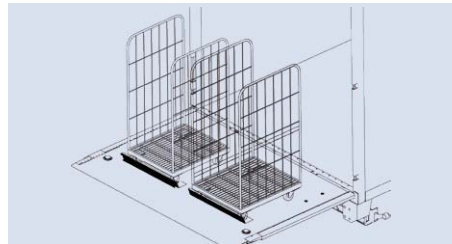
## Platform trolley stops (option)

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.

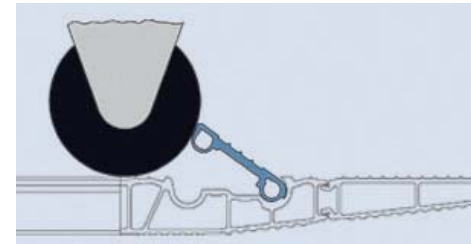
For Falt Cargolifts, Bär offers the **trolley stops 2rd and 2ad**, which enable two switching positions by means of operating lever.

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

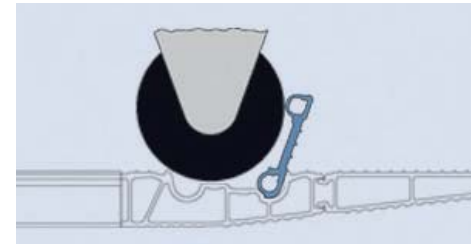
Position (2) - Unloading - flap locks after tramping down



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



**Trolley stop rd** as a barrier for rollers with an opening angle of 43° for roller diameter up to 110 mm.



**Trolley stop ad** as a recess for rollers with an opening angle of 110° for roller diameter up to 200 mm.

# Bär Cargolift Falt Equipment



## Control elements



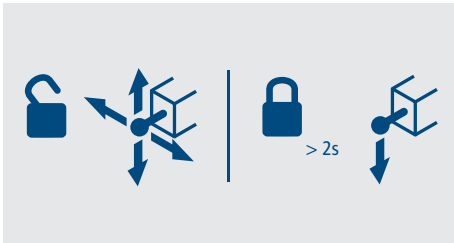
**Bär Control EVO** (standard) is intuitive in use, durably constructed and can be easily operated with gloves thanks to the vertically and horizontally operating joysticks.



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



**Bär SmartControl remote control** (option) for CE-compliant operation of all four basic functions by radio. With RadioKey as standard, for the automatic locking of all control elements when exiting the working range.



**SwitchKey** (option) 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.

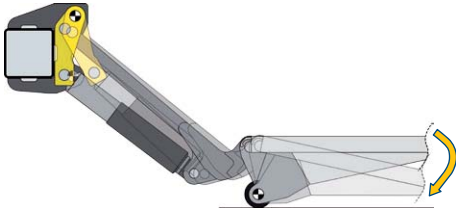


**Bär SmartControl Plus with docking station** (option) incl. remote control for recharging the accumulators (in place of batteries). Cabin switch can be operated via radio.

# Bär Cargolift Fold 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.



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

## Vehicle connection



**Towing bracket for ball coupling** (option) with European type approval for the parts (parts ABE), D-value 19.9 kN, weight approx. 45 kg for S2L/A2L and approx. 12 kg for S2N. Advance electrical preparation required on the vehicle! **Ball coupling** optionally available.

Calculation of the maximum admissible trailer load of the towing bracket:

$$\text{trailer load in t} = \frac{\text{D-value in kN} \times \text{GVW vehicle in t}}{(9,81 \text{ m/s}^2 \times \text{GVW vehicle in t}) - \text{D-value in kN}}$$

In case the carrier vehicle or the ball coupling lead to a lower admissible trailer load, the lowest value is determining.

# 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.



## 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.



## 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.



## 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.



## 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.



## 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.

## Bär Cargolift – Lifting Performance.



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