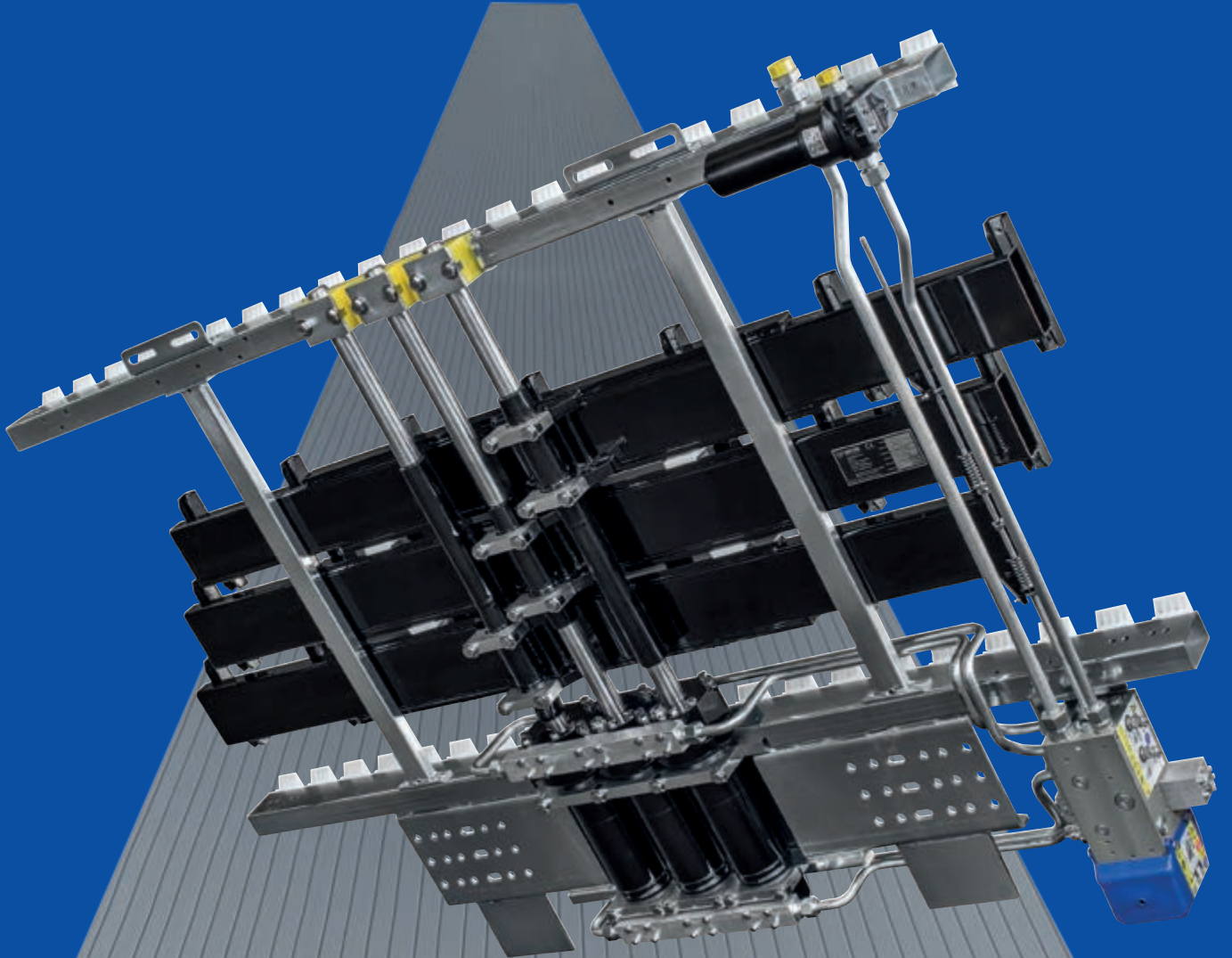




# CARGO FLOOR®

HORIZONTAL LOADING-/UNLOADINGSYSTEM

*Only Quality generates Quality!™*





## COMPANY PROFILE

**Cargo Floor** is the leading manufacturer and supplier of horizontal (un)loading systems in the world. Managed and staffed by a professional team with over 30 years of experience in the industry, Cargo Floor delivers excellent quality with the very highest levels of customer service and support. **Globally recognized as a market leader**, Cargo Floor manufactures its product line in Coevorden, The Netherlands (Europe) under the ISO 9001-2015 quality label and exports all over the world. Before delivery, each “moving floor” system is rigorously tested for proper functioning, geometry, and sealing to ensure that every Cargo Floor product is easy to install by its customers and functions as designed anywhere in the world.

**Cargo Floor has specialized knowledge and experience in the following areas:**

- Cargo Floor mobile systems for the truck and trailer industry
- Cargo Floor static systems for self-unloading transport/dosing systems in factories (3D-design, advice and implementation)
- CargoMatic “The Logistic Solution”, an automated dock-to-trailer system for fully (un)loading packed materials within 90 seconds
- Service and installation
- Trailer rental



**Cargo Floor B.V.** is the global leader in multifunctional horizontal (un)loading systems. The Cargo Floor system is based on a “work smarter, not harder” principle designed to facilitate fast, safe, and efficient transport of through floor movement. Rather than burdensome, time-consuming, and sometimes dangerous “lift-and-carry” methods, Cargo Floor technology enables the contents of every trailer to be loaded and unloaded in a matter of minutes by moving the trailer floor under the product. The system allows for a wide variety of bulk materials and other goods to be effortlessly transported, including pallets, bales, and even paper reels! The enormous success of Cargo Floor’s hydraulic-operated drive units is based on a simple and easy to install system that is generally suitable for all types of trailers, equipment, and freight. Cargo Floor’s standard system (CF500) can handle most transport applications, however, Cargo Floor designers and engineers have vast experience crafting all manner of dedicated applications for specialized or unique transport needs.

### Development

Cargo Floor prides itself on its extensive field experience (>30 years) collaborating with OEM engineers to craft and manufacture the best possible (un)loading systems. Cargo Floor technology relies this experience as well as market feedback from transport companies, material handling experts, logistic managers, and its customers to ensure that Cargo Floor is always in a position to develop the most reliable, strongest, and most durable system for every application, while still being lightest moving floor system in the world! By using the very latest technology and state of the art components, Cargo Floor strives to be the most innovative manufacturer and supplier of moving floor systems on the planet. All Cargo Floor drive units are powered by hydraulics, mechanically driven by internal valves in order to prevent atmospheric and external conditions (like dust, dirt, or grime) from impacting each system’s operation and performance.

### Value

Cargo Floor systems are not only designed to move product faster, safer, and smarter, but also cheaper than more conventional options. Countless factors must be considered to cost-effectively and efficiently transport goods and materials in the modern economy. Cargo Floor systems provide substantial benefits over conventional (un)loading methods by capitalizing on new efficiencies across all major factors, including maximum volume, lower tare weight, lower operational cost (maintenance free), durability, sustainability, as well as human safety and environmental friendliness. The Cargo Floor drive units are designed to meet all of these requirements and more in order to achieve a timely and favorable return on any capital investment.



# Standard-series

Type: CF500 SLC



All hydraulic components are of the highest quality and are fully CNC produced in the Netherlands



Double chromated solid piston rods



High pressure filter is standard



All valves/cylinders are protected against road dirt



Passivated hydraulic piping



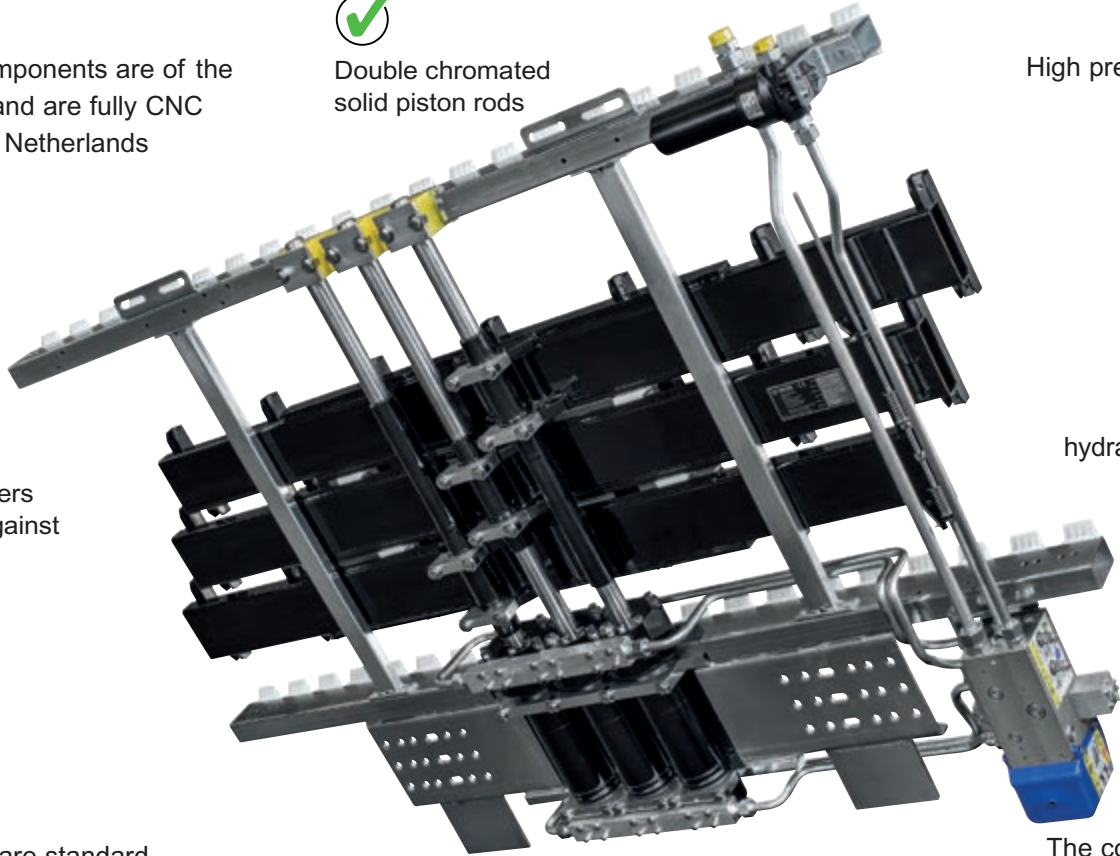
The drive units are standard preserved against rust by the best Cathodic Dip Painting (CDP) process



Common-rail technology



The control valve is positioned at the outside of the trailer for easy access



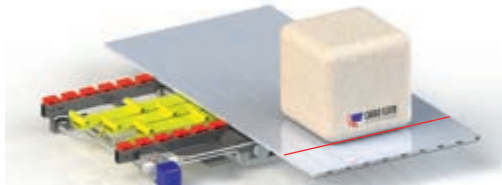
**Sustainable environmental conservation:** Because Cargo Floor is the only company in the world that fully preserves its drive units with a CDP finish, the system does not need to be repainted or refinished during its lifetime.



# The Cargo Floor moving floor principle

The Cargo Floor 'moving floor' System is a multi-functional, horizontal loading and unloading system for the fast and efficient transport of almost any product. The system is ideal for unloading a wide variety of bulk products, which typically are loaded from above and unloaded horizontally from the rear by the Cargo Floor 'moving floor' System. It can also be used to load and unload packed materials. The principle works in two directions, in other words the Cargo Floor 'moving floor' System can be used to LOAD and UNLOAD product.

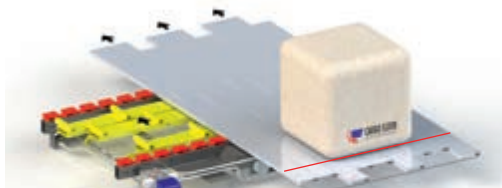
## Unloading



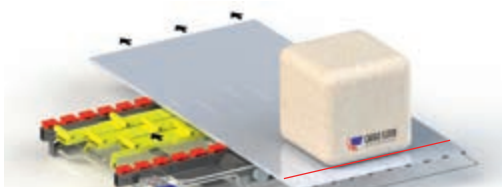
**Step 1:** three hydraulic cylinders move the entire floor as a whole in the selected direction, thereby transporting the cargo



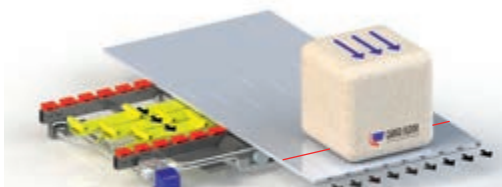
**Step 2:** one hydraulic cylinder pushes one group of floor profiles (= 1/3 floor section) underneath the cargo, while 2/3 of the floor section remains still, the cargo will hardly move as a result



**Step 3:** one hydraulic cylinder pushes one group of floor profiles (= 1/3 floor section) underneath the cargo, while 2/3 of the floor section remains still, the cargo will hardly move as a result



**Step 4:** one hydraulic cylinder pushes the third and last group of floor profiles (= 1/3 floor section) underneath the cargo, while 2/3 of the floor section remains still, the cargo will hardly move as a result



**Step 1 is repeated again.** The frequency and thus the speed at which these steps are repeated depend on the output of the hydraulic pump. The available power at which the cargo can be moved depends on the available pressure of the hydraulic pump.

### **Transportation speed (theoretical):**

Standard 2,6 m/min. = unloading trailer 13.6 mtr. appr. 6-10 min. Power speed 4,8 m/min. = unloading trailer 13.6 mtr. appr. 3-5 min.

### **Multifunctional, no empty mileage!**



# Modular operating features

Thanks to its modular construction, the following operative versions of the Cargo Floor 'moving floor' System are possible (also retrofittable):



**E**  
control

**Loading / stop / unloading controlled by a switch.** Standard provided with a manual override by means of a unique red "Cargo" rotary switch. (Optional: wireless remote control)



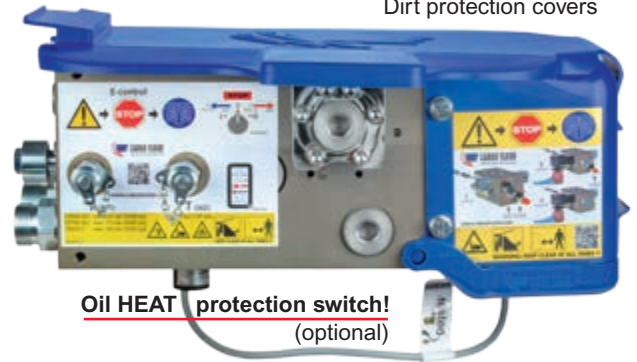
**B**  
control

**Start / stop controlled by a switch, loading / unloading controlled by a manual lever, with unique "S" detent mechanism.** (Optional: wireless remote control)



**A**  
control

**Loading / stop / unloading controlled by a manual lever, with unique "S" detent mechanism in order to determine the required position (non-electrical)**




Dirt protection covers

**Oil HEAT protection switch!**  
(optional)



**Optional: remote controlled** with your own smartphone!

 BT determines the range and can be limited and vary!



Capacitive touch panel



Alternatively



Wireless CF-TX



# THE CARGO FLOOR TRAILER

## FLOOR MOUNTING

Normally done by sliding in the floorprofiles. Alternatively it can be clicked in from above without the need of sliding. This is very practical when space is limited.

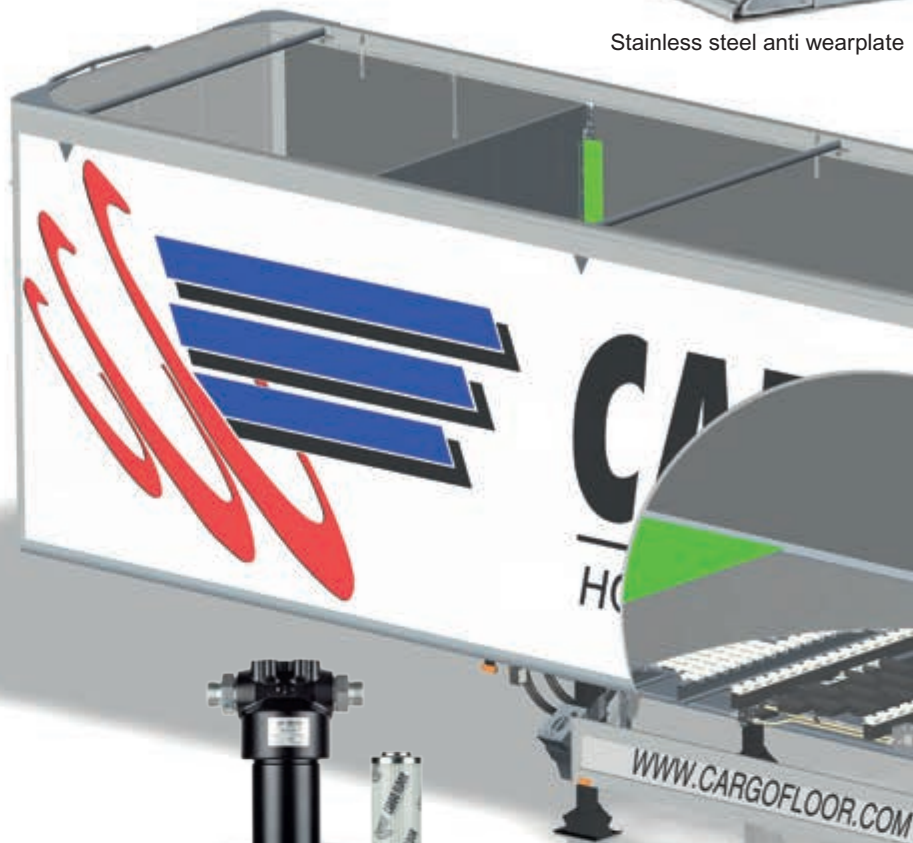


## ENDCAPS SAFE + CLEAN

The Cargo Floor system is supplied with endcaps angled 45 degrees to seal the rear ends of the floor profiles with the result that your vehicle is securely sealed at discharge side and no jamming of product and body parts can occur. (health and safety)



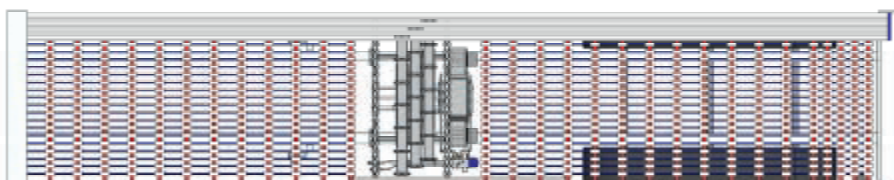
Stainless steel anti wearplate



**PRESSURE FILTER**  
is supplied standard

## CARGO 'SNAP-ON' BEARING BLOCK

With this Cargo Snap-on patented bearing block you can easily make a full length support and guidance. With the special integrated **Anti-Splash lip**, road dirt cannot enter or effect the subdeck and floor profiles.



**THE SEAL** between the floor profiles is of a unique plastic composite (Nobraforte) that will usually outlast the aluminum. The seal has been designed to ensure that the load cannot leak through the floor and blocks road dirt and splash water from entering into the trailer.

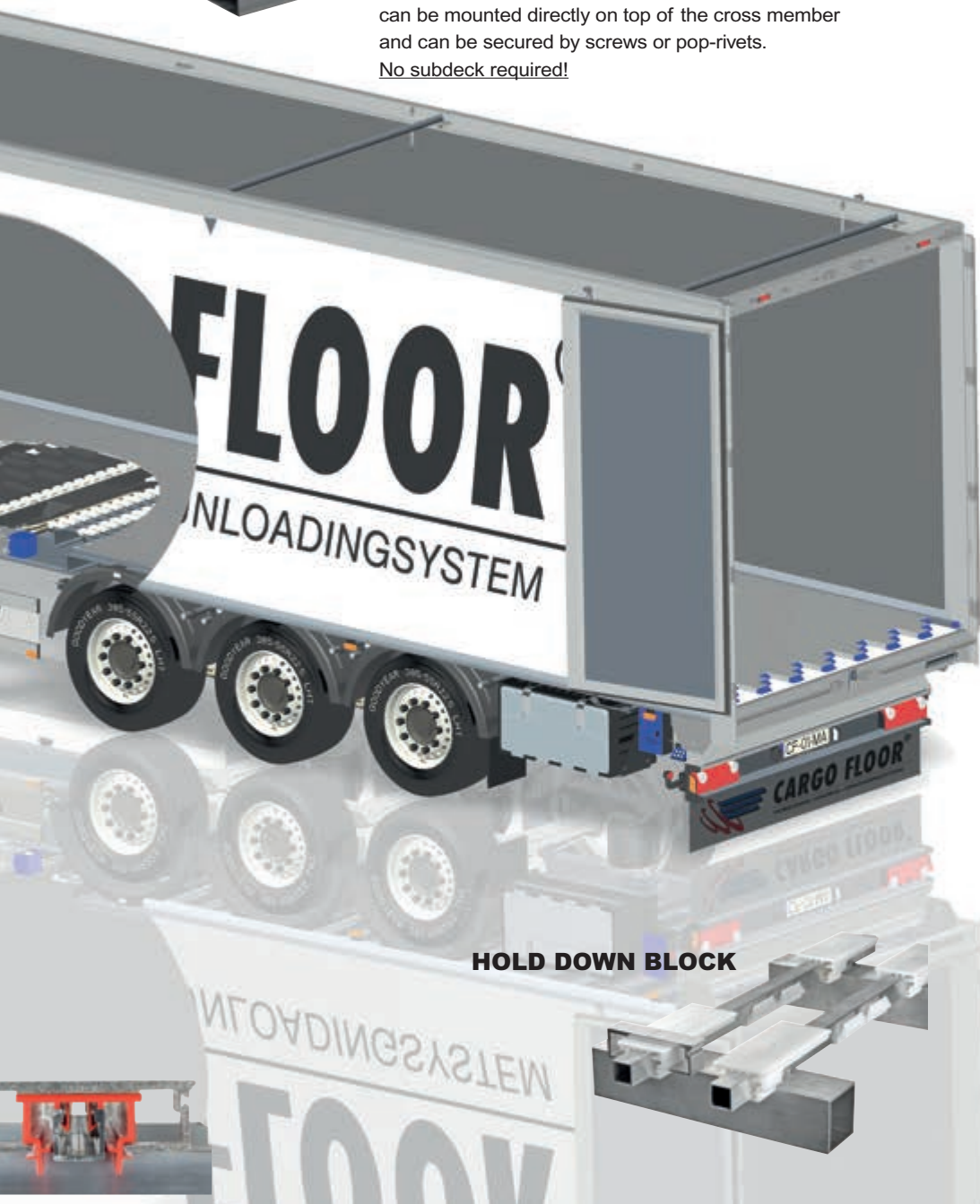
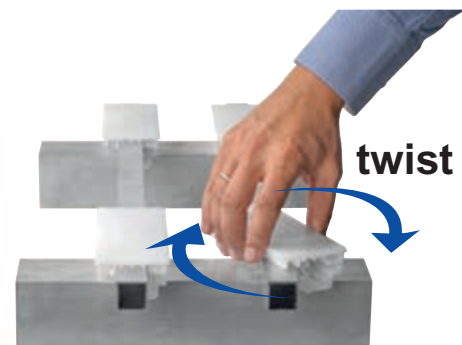
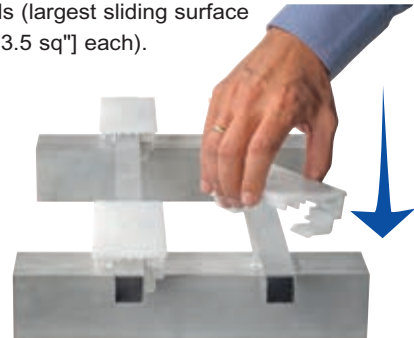


**PLASTIC BEARING BLOCK STRIPS**

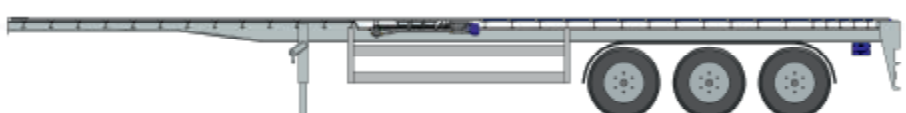
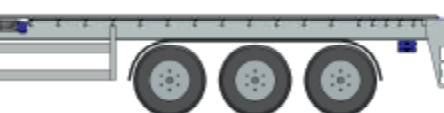
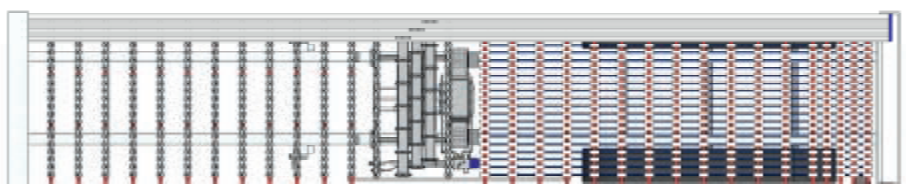
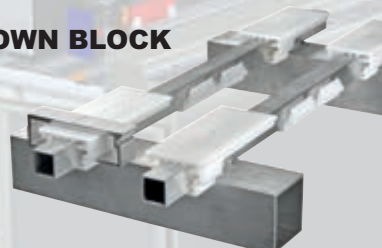
can be mounted directly on top of the cross member and can be secured by screws or pop-rivets. No subdeck required!

**THE TWISTER BEARING BLOCK** can be fitted easily and rapidly to the 25x25mm [1x1"] subdeck "tube-" or "U-" profile (supplied by the trailer builder); no tools are required.

By virtue of its **ingenious construction** the full weight on the aluminium floor profile is support by the thickest internal surface of the floor profile. Road dirt does not exert an influence on the useful life of the aluminium – and, moreover, the design provides for the maximum stability when subjected to heavy loads (largest sliding surface 8700 mm<sup>2</sup> [13.5 sq"] each).



**HOLD DOWN BLOCK**



# APPLICATIONS

The standard Cargo Floor 'moving floor' System is ideally suited to the transport of almost all common products. In addition to the standard system, Cargo Floor also has a range of different drive units and floor sections available for special applications. The range of sections encompasses narrow or broad and ribbed or smooth sections in a variety of thicknesses. Sections are also available in a variety of materials (aluminium/steel/composite/plastic, or a combination of these materials).

## Cargo Floor has proven its quality in the transport of materials such as:

- bulk materials
- RDF (fluff)
- biomass
- recyclables
- domestic waste
- green waste
- wood chippings
- sawdust
- bark
- logs of wood
- potting soil
- peat
- clay
- bleaching earth
- straw
- straw bales
- maize
- grain
- potatoes
- carrots
- tapioca
- milk powder
- coffee beans
- soya beans
- alfalfa
- sugar beet and pulp
- chicken feed
- manure
- fertilizer
- salt
- chalk
- coal
- waste paper
- rolls of paper
- aluminium scrap
- cargo (bales / bags)
- big bags
- pallets
- slaughter waste
- sewage sludge
- compressed bales
- all agricultural products
- etc.

When used in combination with the special automatic roll-up protection sheet (see pictures) the Cargo Floor can also be used for the trouble-free transport of the following products:

- glass
- gravel
- ore
- sharp sand
- vegetables and fruit
- all other abrasive materials

## Forklift truck

In principle all Cargo Floor floors can be driven on by a forklift truck; contact your body builder for information about the permitted weights!

## Efficiency/output

Efficiency of loading and unloading (packed) cargo is determined mainly by the flatness and the even weight distribution of the cargo over the floor area of the Cargo Floor. Uneven weight distribution will reduce efficiency and may even cause the cargo to only move back and forth within the power stroke of the system. Uneven cargo weight distribution can be compensated by using supports to spread the weight evenly across the floor profiles. The system's operating speed can also affect loading and unloading efficiency.







Sealless STEEL L-shape floor with an exceptional metallic coating for corrosion protection Magnelis®.



CPL 'Cargo Plastic Light'. When every pound counts!



XHDI aluminum Impact floor with high tensile steel inlay wear protection.



Scrap metal mover.



Sealless aluminum heavy duty floor.



Sealless aluminum heavy duty floor, easy clean out!



45ft high cube sea container with perimeter mount Cargo Floor.



Sealless aluminum heavy duty floor for aggregates 'roadworks'.

# LR-series Leak Resist

Cargo Floor is committed to protect the planet's environment, and has therefore developed a Leak Resist floor solution to avoid leaking of toxic product to the road. Leakage of products on the road is quickly considered an environmental offense.

Cargo Floor has over 20 years' experience with various unique Leak Proof and Leak Resist floor solutions. The solutions are either with standard drives or with dedicated Front Mount Drives where a Cargo Floor drive system is mounted in the front of the trailer.

By using the Cargo Floor LR-series, liquid-containing "waste" products can be transported in a safe and environmentally sound manner.

Only a low budget investment is required for the Cargo Floor LP and LR solutions.

Cargo Floor has developed a unique and special slide-in subdeck principle whereby the standard Cargo Floor drive unit can be mounted UNDER the floor. Tested for years, this special watertight subdeck concept has proven to be the ultimate solution in preventing leakage on the road and gives stability and high impact resistance to floor and trailer.

With the supply of the unique Cargo Leak Proof Subdeck, a regular sub-floor will not be required anymore. The simple 'slide-in' system of the subdeck profiles makes installation fast and easy in both new and retrofit applications.

Unlike the 100% Leak Proof system, the bodybuilder does not need to make any modifications to the vehicle for mounting the Cargo Leak Resist application. Besides a weight advantage, it also delivers a high volume advantage, as the inclined sealing bulkhead wall is not required in this application.

**Leak resist is NOT granted to be 100% Leak proof!\***

A solid bearing is installed across the entire length of the trailer directly under the moving floor profiles. What makes this unique is the fact that ABSOLUTELY NO end sealing section is used with this Leak Proof floor solution. Also, the product will not come into contact with the solid under-floor bearing block during transport. **There are various deckslat profiles available**, the standard 7mm and 10 mm Heavy-Duty aluminium model and a special LR-sealed solution with a smooth floordeck. Alternatively, you can also obtain for the STEEL profiles.



The gutter between the moving floor profiles is largely self-cleaning, but thanks to its open shape, it can easily and efficiently be cleaned with a broom or pressure washer (with the special LR-sealed solution the gutter is closed).



Only cut outs in subdeck for connecting drive-shoes to slat.





Collecting pan underneath drive unit, easy to empty and clean!



Moving headboard for easy and clean unloading!



**THE CARGO FLOOR LEAK RESIST WITH UNDERMOUNT DRIVE UNIT IS THE ULTIMATE SOLUTION FOR PROTECTING THE ENVIRONMENT FROM LIQUID-CONTAINING "WASTE" PRODUCTS DURING TRANSPORT. ALL STANDARD CARGO FLOOR DRIVE UNITS CAN BE APPLIED.**



**\* Important remark!**

The LR-serie = leak resist and is NOT granted to be 100% Leak proof because of the undermount drive unit construction. Any leakage that may occur will only be possible and centrated at the connection area between the drive system and the floor profiles. A collector bin could avoid any spilling on the floor.

# LP-series 100% Leak Proof



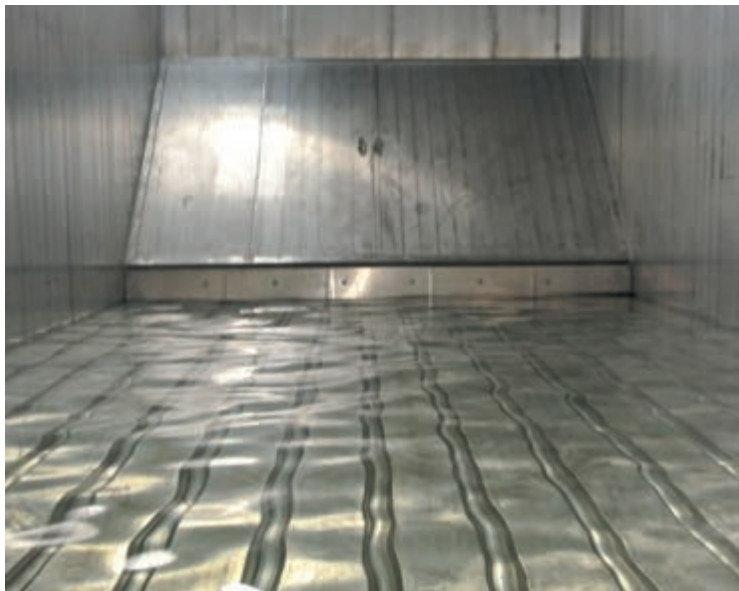
## A compact leakproof system

This 100% leak proof Cargo Floorsystem has been developed for transporting environment-polluting products, both in the form of loose bulk material as well as compressed bales. The system is excellently suited for transporting and storing DOMESTIC WASTE and vegetation waste.

To achieve a 100% leak proof moving floor in your trailer you need to use a so called Front Mount Drive Cargo Floor system type CF3LP. Thanks to the unique and compact design and the use of space in the so-called head radius, which minimizes the loss of loading space. The inclined sealed partition also protects the drive system.

The aluminium sub-floor is easy to fit on both steel and aluminium chassis-frames, and is readily secured either by screws or rivets to the sub-floor members outside of the waterproof section. Virtually no welding is required, since the sub-floor sections are simply slid into each other and becomes 100% waterproof with silicone sealant.

The aluminium floor sections are guided along their entire length, and are supported by solid plastic bearing blocks. Either standard aluminium section or HDI (Heavy Duty Impact) sections are available. The latter system is ideally suited to situations in which high impact forces are imposed on the floor.



# Ultra Light-series

Type: CF100 SLL

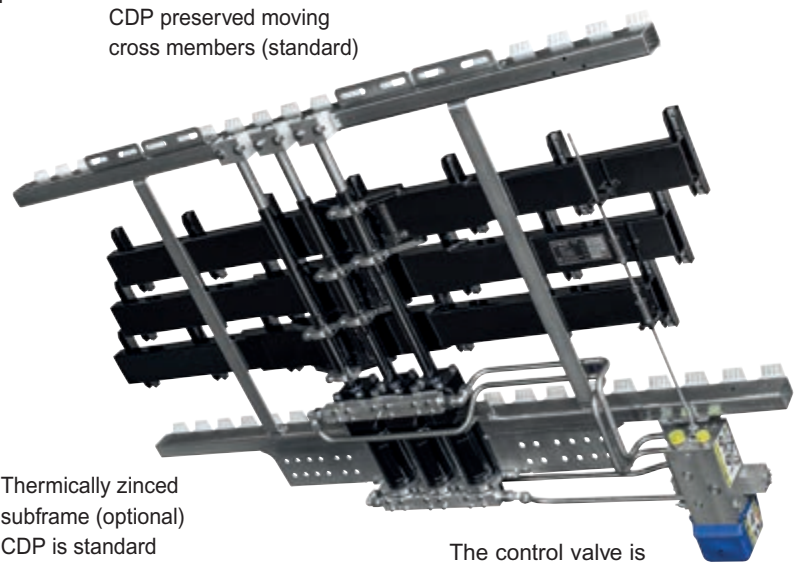
This unique lightweight Cargo Floorsystem has been developed especially for simple installation in trucks, drawbar trailers, containers and interchangeable containers (demountables).

## A few characteristic of the CF100 system:

- Lowest installation height possible in combination with 80 mm. cross member
- Extremely low intrinsic weight of the power unit
- Floor speeds between 0 – 2.5 meters / min.
- The entire hydraulic drive is controlled solely by mechanical/-hydraulic means
- The pre-assembly of the cylinders, pipes and valves in a compact frame ensures a very simple and rapid installation
- Floor construction identical to the standard Cargo Floor-system
- Sub-frame may be dropped, in which case the hydraulic drive can be integrated in your own structure (for example aluminium/composite)
- Enables the maximum cargo volume to be utilized
- Suited for use as an autonomous metering silo
- Maximum load 20 tons
- Maximum floor length 9000 mm
- Passivated hydraulic piping



CDP preserved moving cross members (standard)



Thermally zinced subframe (optional)  
CDP is standard

The control valve is standard positioned outside the chassis, because of that it is simply accessible



# CF500 SLC

# Cargo Bulkmove

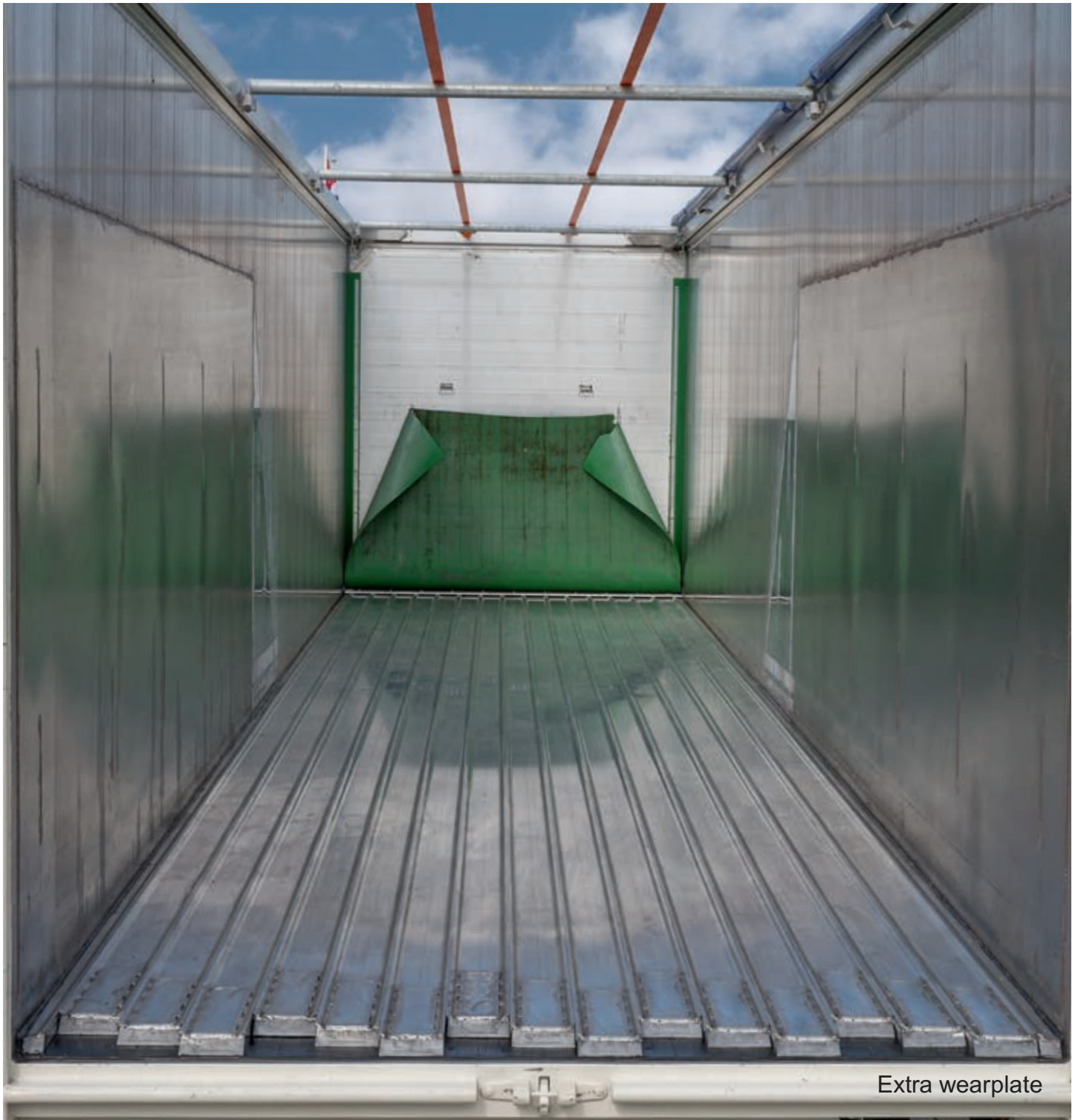
The Bulkmove is the smart solution for transport of bulk products.

## Mainly for loose product

Because the floor profiles of the Cargo Bulkmove are wider than the standard 21 floor profile execution this concept is not suitable for the loading and unloading of pallets and paper reels with the help of the floor movement of the Cargo Floor system. Of course pallets eg. can be loaded - and unloaded - by driving a hand pallet truck or fork lift truck over the floor. More than 20 years of experience with the wide floor profiles, mainly in stationary factory applications, has proven that the 15 floor profile version of the Cargo Floor system is extremely suitable for the efficient unloading of most common loose products in large volumes.

## Weight reduction

In order to reduce weight in a safe and reliable way Cargo Floor has developed an alternative floor: an execution which has 15 floor profiles instead of the usual 21. The total moving floor surface is exactly equal to the 21 moving floor profiles, because of which no adjustment of the side profile is needed.



# = 15 Moving Floor profiles

## **Characteristics of the 15 floor profile Cargo Bulkmove concept:**


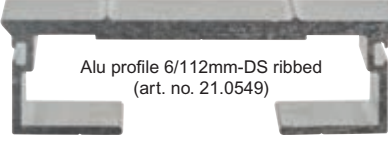
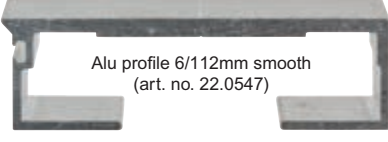
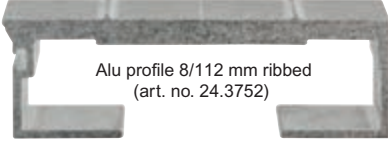

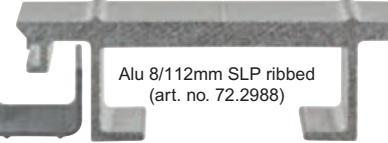
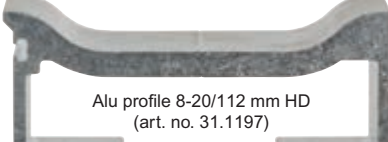

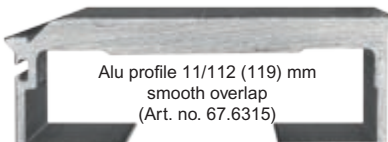


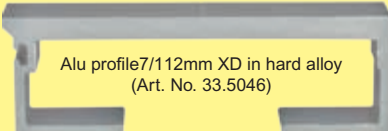
- Weight advantage for the complete trailer; depending on the execution at least 60 kg. and can go up to 300 kg.
- 30% less seams between the floor profiles; possible leakage and wear substantially decreases;
- 30% less seal between the floor profiles. Also the seal is very well protected from the product transported;
- 30% less mounting time for the sub floor construction, floor profiles and bearing;
- Increased stability of the floor profiles because of the "Cargo Twister Wide 40/25" bearing with very wide bearing surface and support on three spots;
- Very large bearing surface, because of which less wear;
- Less wear;
- Larger bearing and sliding surface of the "Cargo Twister Wide 40/25" (+7%);
- Bearing does not come into contact with the transported product (no extra wear) and is protected against spattering street dirt by the floor profile;
- Floor width is identical to the standard 21 floor profile execution; no need to adjust the side profile;
- All hydraulic components: cylinders, valves, are identical to the CF500 SL-C 21 floor profile system;
- Suitable for the Power Speed execution: unloading in +/- 3 min. (ask about the requirements);
- Various floor profiles available, among which a special HD and ultimate XHDI version for the transport of all kinds of waste: glass, sand eg.
- Very clean discharge
- Suitable for all types of Cargo Floor drive units;
- Extreme long durability;
- Robust and very stable;
- No maintenance required;
- Absolutely lower cost of ownership
- 30% less work if a floor revision needs to be done and turning the floor is a lot easier;
- Pallets, paper reels eg: only loading / unloading with the help of a fork lift truck or pallet wagon.

## **Forklift truck**

In principle all Cargo Floor floors can be driven on by a forklift truck; contact your body builder for information about the permitted weights!



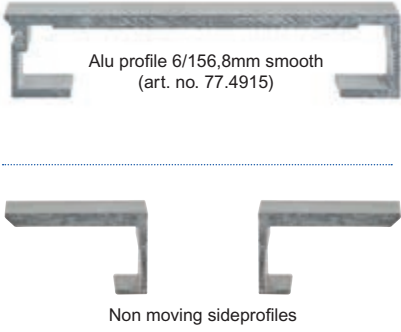
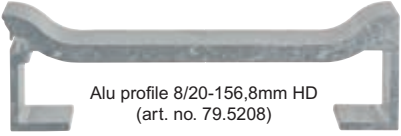



# Profile survey: standard Cargo Floor 21 profiles

Profile type	Clarification
 <p>Alu profile 6/112mm ribbed (art. no. 20.0360)</p>  <p>Alu profile 6/112mm-DS ribbed (art. no. 21.0549)</p>	<p><b>The ultimate standard.</b> The balanced weight and strong proportions makes this profile suitable for almost every product that needs to be transported. The ribs are only meant to provide traction and guidance to the product (mainly to avoid twisting of pallets). The unique shaped seal can be pulled in the profile to avoid leakage and protect the transported product against road dirt and water splash. The seal itself is also protected by the shape of the profile. To seal both sides of the moving floor surface one double seal profile is provided. With this double seal profile the floor can be easily turned after several years, to extend the life time. This profile can be mounted on most of the plastic bearing blocks and sub decks available. The plastic bearings underneath are protected by and enclosed within the shape of the aluminum profile, this gives an excellent stability to the floor profile and is also protected against street dirt. The enormously large support and bearing surface provides an extremely long lifespan. For safe and clean emptying the trailer, all floor profiles will be sealed with an end cap in either plastic or aluminum. The profiles are maintenance free, however cleaning with a high pressure steam cleaner is permitted without any concessions. The width of the profiles is engineered so that enough space remains for two fixed side profiles in which approved cargo lashing eyes can be mounted. The profile is 100 % recyclable and keeps a certain residual value.</p>
 <p>Alu profile 6/112mm smooth (art. no. 22.0547)</p>	<p><b>Completely smooth for product protection</b> This smooth profile is almost identical with regards to the shape and weight to the 6 mm standard profile, with the exception that the two top ribs have been omitted. This has been done in order to prevent damages to products. If the floor has been mounted correctly this profile has the same excellent qualities as the 6 mm standard profile. This profile is very suitable for the transport of paper reels and agricultural products.</p>
 <p>Alu profile 8/112 mm ribbed (art. no. 24.3752)</p>	<p><b>The compromise between weight and impact.</b> This "in between" profile has the same shape and qualities as the 6 mm standard profile. The only difference is that this profile is 2 mm thicker. This results in even more stability, better suitable for more intense use whereas the risk of deformation of the profile due to product impact onto the floor or driving over the floor with a fork lift truck is reduced. If one can overlook the weight increase we certainly would advise this profile. <u>This profile is also available in a smooth version: Alu profile 8/112 mm smooth (art. no. 37.1505).</u></p>
 <p>Alu profile 10/112 mm ribbed (art. no. 25.0550)</p>	<p><b>The heavy duty allrounder</b> Impact, wear resisting and driving over this profile, nothing is too much for this profile. The profile itself has the same specifications as the 6 mm standard profile but this profile is 4 mm thicker can be used for the transport of almost any product or machine. Only the extra weight and extra cost of this profile could make you choose another profile. <u>This profile is also available in a smooth version: Alu profile 10/112 mm smooth (art. no. 27.0552)</u></p>
 <p>Alu 8/112mm SLP ribbed (art. no. 72.2988)</p> <p>(possible with SLP-channel (art. no. 755.4525))</p>	<p><b>SLP the Semi Leak Proof profile</b> This is a profile, as the name already mentions, which is almost leak proof. The profile is just as all round as the 8 and 10 version but as an extra feature: moist products cannot leak through the floor directly. Liquids leak into a special gutter. This gutter can be exchanged and can be simply removed out of the floor for cleaning when necessary. This profile does require a small adjustment to the head board. The profile is very suitable for the transport of fine or moist products that may not leak onto the surface when loading, driving or unloading. However it is never meant as leak proof, for this we recommend the LR-/LP series.</p>
 <p>Alu profile 8-20/112 mm HD (art. no. 31.1197)</p>	<p><b>A dedicated Heavy Duty profile</b> This profile is a so called dedicated profile. This means that the profile is especially designed for the transport of special (mostly extreme) products. Because of the two protruding round merlons this profile has a very high impact resistance and the special round shape makes it easy to clean. Moist and dusty parts flow back into the so called barrel shape, so moist, mud and dust can simply be drained to the outside and almost no leakage through the floor occurs. This also protects the seal. Because of the low weight a perfect payload ratio remains. The profile is less suitable for the transport of pallets and packaged goods.</p>
 <p>Alu profile 8-18/112 mm HDI (art. no. 30.0695)</p>	<p><b>The extreme dedicated Heavy Duty Impact profile</b> This profile is a so called dedicate profile. This means this is a profile that has been especially designed for the transport of special (mostly extreme) products. Because of the three protruding round merlons this profile has an unbelievable high impact resistance, that can be compared with construction steel. The round shapes makes it easy to clean. Moist and dusty parts flow back into the so called channels, so moist, mud and dust can simply be drained to the outside and almost no leakage through the floor occurs. This also protects the seal. Because of the low weight a perfect payload ratio remains. The profile is less suitable for the transport of pallets and packaged goods.</p>
 <p>Alu profile 11/112 (119) mm smooth overlap (Art. no. 67.6315)</p>	<p><b>A unique aluminium profile with extra protection and sealed by overlap</b> This 11/112 (119) mm smooth overlap alu. profile is especially developed for those applications where no load may leak through between the floor profiles onto the ground. This does not mean that the floor is liquid-tight or will not leak.</p> <p> <b>Warning</b> Incorrect use can result in materials accumulating under the overlap lip, which could cause the profiles to tilt and in the worst case scenario the floor could jam.</p> 
 <p>Alu profile 7/112mm XD in hard alloy (Art. No. 33.5046)</p>	<p><b>Xtreme Durable 'hard alloy' aluminum floor profile</b> This unique 7/112 XD 'X-treme Durable' alu. floor profile is made out of a special developed hard alloy for transport applications which do high frequency loading and unloading as well as the transport of products which have a higher abrasiveness. It is also the extreme and high grade alternative for steel floor profiles, especially if multi functionality (pallet transport, flat floor surface, the ability to drive over the floor with a fork lift truck) and weight are of essential importance for you. <b>The Lightest, Strongest, most wear resistant!</b></p>

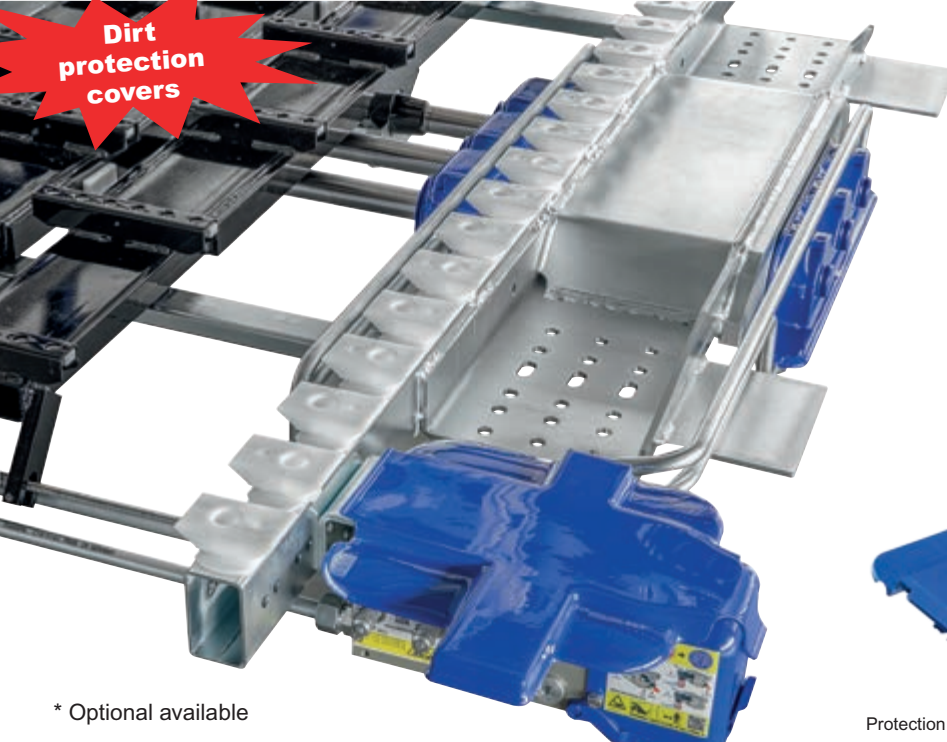


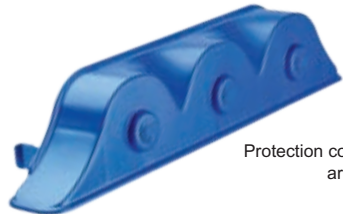
Multi-functionality	Leak resistance	cleanability	Pallet/bales transport	Drive over with a fork lift truck	Impact resistance	Weight approx.
						X
						X + 0 kg 0 lbs
						X + 160 kg 353 lbs
						X + 310 kg 683 lbs
						X + 180 kg 397 lbs
						X + 370 kg 816 lbs
						X + 600 kg 1323 lbs
						X + 380 kg 848 lbs
						X + 120 kg 264 lbs

# Profile survey: Cargo Bulkmove 15 profiles


Profile type	Clarification
 <p>Alu profile 6/156,8mm smooth (art. no. 77.4915)</p> <p>Non moving sideprofiles</p>	<p><b>Completely smooth for product protection extreme light weight</b></p> <p>This smooth profile has a balanced weight and strong proportion to make it suitable for transporting almost every product. The unique shaped seal can be pulled in the profile to avoid leakage and protect the transported product against road dirt and water splash. The seal itself is also protected by the shape of the profile. To seal both sides of the moving floor surface one double seal profile is provided. With this double seal profile the floor can be easily turned after several years, to extend the life time. This profile can be mounted on most of the plastic bearing blocks and sub decks available.</p> <p>The plastic bearings underneath are protected by and enclosed within the shape of the aluminum profile, this gives an excellent stability to the floor profile and is also protected against street dirt. The enormously large support and bearing surface provides an extremely long lifespan. For safe and clean emptying the trailer, all floor profiles will be sealed with an end cap in aluminum. The profiles are maintenance free, however cleaning with a high pressure steam cleaner is permitted without any concessions. The width of the profiles is engineered so that enough space remains for two fixed side profiles in which approved cargo lashing eyes can be mounted. The profile is 100 % recyclable and keeps a certain residual value. Also available in 10 mm. The profile is NOT suitable for the transport of pallets and packaged goods by the movement of the floor.</p>
 <p>Alu profile 8/20-156,8mm HD (art. no. 79.5208)</p>	<p><b>A dedicated Heavy Duty profile</b></p> <p>This profile is a so called dedicated profile. This means that the profile is especially designed for the transport of special (mostly extreme) products. Because of the two protruding round merlons this profile has a very high impact resistance and the special round shape makes it easy to clean. Moist and dusty parts flow back into the so called barrel shape, so moist, mud and dust can simply be drained to the outside and almost no leakage through the floor occurs. This also protects the seal. Because of the low weight a perfect pay load ratio remains. The profile is NOT suitable for the transport of pallets and packaged goods by the movement of the floor.</p>
 <p>Alu profile 10/22-156,8mm XHDI (art. no. 81.5440)</p>	<p><b>XHDI (X-treme Heavy Duty Impact)</b></p> <p>This profile is a so called dedicate profile. This means this is a profile that has been especially designed for the transport of special (mostly extreme) products. Because of the three protruding round merlons this profile has a very high impact resistance and the special round shape makes it easy to clean. Moist and dusty parts flow back into the so called barrel shape gutters, so moist, mud and dust can simply drain to the outside and will hardly leak through the floor. This also protects the seal extra. Because of the low weight a perfect pay load ratio remains. This profile is less suitable for the transport of pallets and packaged goods, these need to be loaded and unloaded with the help of a fork lift truck.</p>
 <p>Alu profile 11/33-156,8mm HD SEALLESS (art. no. 83.5533)</p>	<p><b>HD SEALLESS</b></p> <p>This profile is a so called dedicate profile. This means this is a profile that has been especially designed for the transport of special (mostly extreme) products. Because of the protruding round merlons this profile has a very high impact resistance and the special round shape makes it easy to clean. Moist and dusty parts flow back into the so called barrel shape, so moist, mud and dust can simply drain to the outside and will hardly seep through the floor. Because of the low weight a perfect pay load ratio remains. This profile is NOT suitable for the transport of pallets and packaged goods, not even with the help of a fork lift truck!</p>
 <p>Alu 10/133mm Leak Proof deckslat HD (Heavy Duty) (art. no. 89.3497)</p>	<p><b>LR/LP deckslat</b></p> <p>This profile is specially designed for the leak proof and leak resist applications of the Cargo Floor. It fits over a full length solid plastic bearing strip and can't lift away. There remains a channel inbetween the moving slats to make high pressure cleaning possible. The profile can only be combined with a special T-subdeck. The total configuration of the T-subdeck, solid bearing block and this deckslat profile makes the highest resistance against high impact! It is not suitable for carrying fine materials and pallets. Also available in a 7 mm light weight version.</p>

Dirt protection covers







Protection cover cylinder bottom side\*  
art. no. 7371053



Protection cover cylinder rod side\*  
art. no. 7371052



Protection cover control valve top side\*  
art. no. 7371054



Protection cover control valve rear side  
art. no. 7371051  
RHD art. no. 7371055

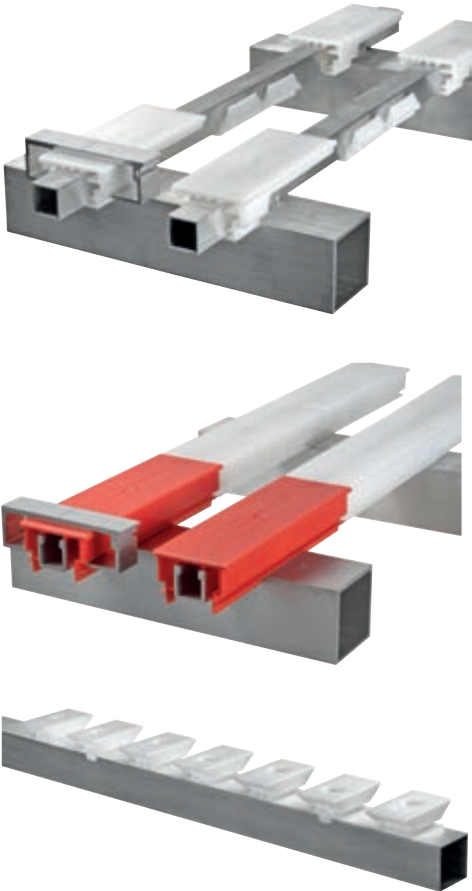
\* Optional available

Multi-functionality	Leak resistance	cleanability	Pallet/bales transport	Drive over with a fork lift truck	Impact resistance	Weight approx.
						X
						X + 310 kg 683 lbs
						X + 710 kg 1565 lbs
						X + 730 kg 1690 lbs
						not comparable



# Subdeck and Guidance

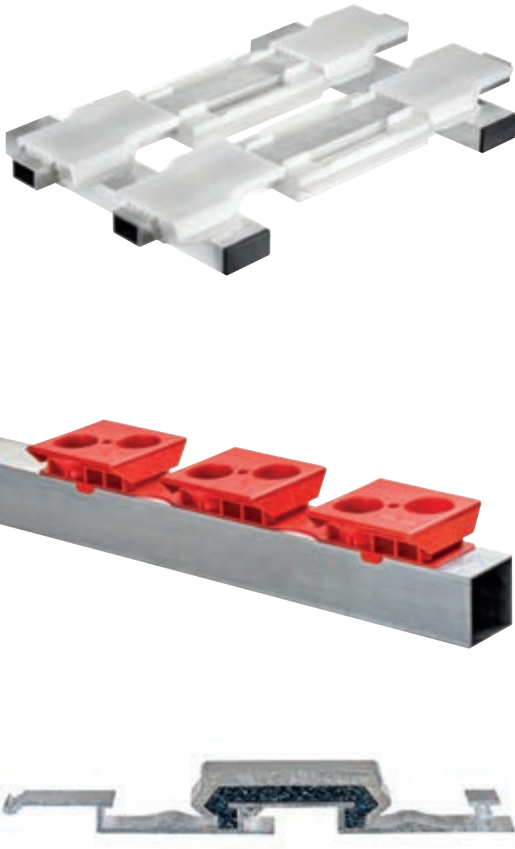
Standard Cargo Floor system



Cargo Roller  
art. no. 5165003



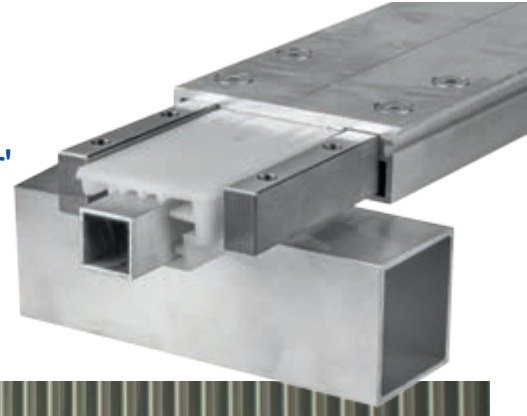
Cargo Bulkmove = 15 Moving floor profiles; only bulk no pallets!



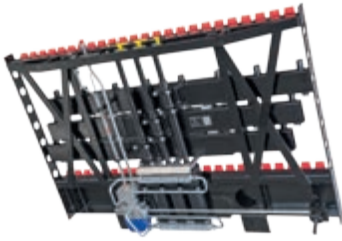
# CSC

'Cargo Slat Connector'

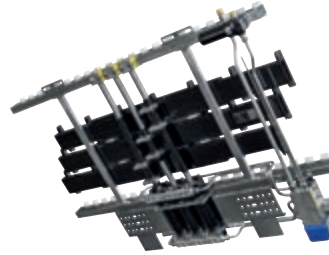
easy when the transport of floor profiles becomes expensive!



# TECHNICAL SPECS



Center-mount (Perimeter-mount)



**CF500 SLC-3.9 (Power Speed)\***



**CF600 HDC-4.7**

	Type	CF500 SLC-3.9 (Power Speed)*				CF600 HDC-4.7	
		Metric	US/Imperial		Metric	US/Imperial	
Weight (from)	kg / lbs	450	992		538	1186	
Available in Cargo Bulkmove execution		yes (yes)*	yes (yes)*		yes	yes	
Operating possibilities		E/B/A (B/A)*	E/B/A (B/A)*		E/B/A	E/B/A	
Cylinder bore	mm / inch	100	3,9		120	4,7	
Piston rod diameter	mm / inch	45	1,8		45	1,8	
Working stroke	mm / inch	200	7,9		200	7,9	
Cylinder volume	ltr / US gallon	2,82	0,7		4,2	1,1	
Oil volume per cycle	ltr / US gallon	8,45	2,2		12,6	3,3	
Working pressure	bar / PSI	170	2466		130	1885	
Max. pressure	bar / PSI	225	3263		205	2973	
Advised oil flow per minute	ltr / US gallon	110 (180)*	29 (48)*		110	29	
Max. oil flow per minute	ltr / US gallon	130 (200)*	34 (53)*		130	34	
Pressure filter	µm / micron	10 (2x10)*	10 (2x10)*		10	10	
Speed at advised oil flow per minute	mtr / ft	2,6 (4)*	8,5 (13,1)*		1,7	5,6	
Speed at max oil flow per minute	mtr / ft	3,1 (4,7)*	10,2 (15,4)*		2,1	6,8	
Theoretical unloading time trailer 13.6mtr/45 ft	min / min	6 (3)*	6 (3)*		9	9	
Max. loading capacity	ton / lbs	40	88185		50	110231	
Max. loading capacity	ton / US ton	40	44		50	55	
Advised pump capacity (2-line system):							
Flow per minute	ltr / US gallon	110 (180)*	29 (48)*		110	29	
Pressure	bar / PSI	250	3626		220	3191	
Pressure piping diameter	mm / inch	20x2 (25x2)*	¾x0.08 (1x0.08)*		25x2	1x0.08	
Return piping diameter	mm / inch	25x2 (30x2)*	1x0.08 (1¼x0.08)*		25x2	1x0.08	
Oil tank filling at advised flow	ltr / US gallon	110 (180)*	29 (48)*		100	26	
Oil tank filling at max. flow	ltr / US gallon	130 (200)*	34 (53)*		130	34	
Max. oil temperature	°C / °F	70	158		70	158	

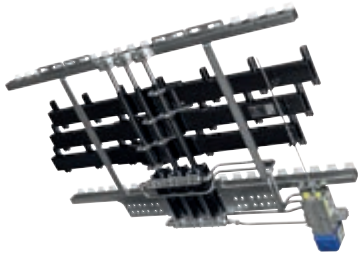
**Oil type:** mineral and biological (HEES)

Normal temperature range -15 < 30°C / 5 < 86 °F ISO VG32

Low temperature range -25 < 0°C / -13 < 32 °F ISO VG22

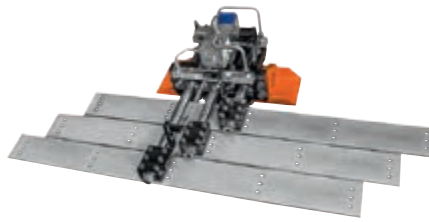
High temperature range 15 < 40°C / 59 < 104 °F ISO VG46





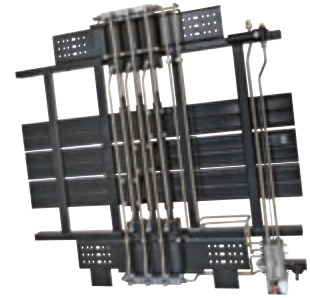
**CF100 SLL-3.1**

Metric	US/Imperial
295	650
yes	yes
E/B/A	E/B/A



**CF3 LP-4.9**

Metric	US/Imperial
310	683
yes	yes
E/B/A	E/B/A



**CF800 HD-6 cyl.**

Metric	US/Imperial
1038	2288
yes	yes
E/B/A	E/B/A

80	3,1
35	1,4
150	5,9
1,36	0,4
4,09	1,1
130	1885
175	2538
70	18
80	21
10	10
2,6	8,5
2,9	9,5
n.v.t.	n.v.t
20	44092
20	22

125	4,9
60	2,4
150	5,9
3,26	0,9
9,77	2,6
125	1813
150	2176
130	34
170	45
10	10
2,0	6,6
2,6	8,5
7	7
35	77162
35	39

100	3,9
50	2,0
200	7,9
5,5	1,5
16,5	4,4
170	2466
225	3263
110	29
130	34
10	10
1,3	4,3
1,6	5,2
12	12
80	176370
80	88

70	18
200	2901
20x2	¾x0.08"
25x2	1x0.08"
70	18
80	21
70	158

110	29
175	2538
20x2	¾x0.08"
25x2	1x0.08"
130	34
170	45
70	158

110	29
250	3626
20x2	¾x0.08"
25x2	1x0.08"
100	26
130	34
70	158



**Inhouse computer animated training**

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The Strongest ..  
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TEXARKANA  
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