



# Carriers: solutions for your transfers



**Fluid transfer solutions**

Carriers: solutions for your transfers

[www.trelleborg.com/fluidhandling](http://www.trelleborg.com/fluidhandling)

# TRELLEBORG GROUP LEADER IN POLYMER SOLUTIONS

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has annual sales of about SEK 37 billion (EUR 3.46 billion, USD 3.87 billion) in about 50 countries. The Group comprises three business areas: Trelleborg Industrial Solutions, Trelleborg Sealing Solutions and Trelleborg Wheel Systems, and a reporting segment, Businesses Under Development. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap. [www.trelleborg.com](http://www.trelleborg.com)



Trelleborg Industrial Solutions



Trelleborg Sealing Solutions



Trelleborg Wheel Systems

## TRELLEBORG FLUID HANDLING SOLUTIONS

With over 1,500 employees, located in Europe, Turkey, Australia and China, Trelleborg Fluid Handling Solutions is a leading company focusing on fluid handling technologies as well as material protection in demanding areas.

The Trelleborg Fluid Handling team provides high performance solutions for oil and gas transfer for marine applications, fluid handling systems in the industrial applications and full material and equipment protection in the mining industry.

Trelleborg Fluid Handling Solutions develops, designs, manufactures low and medium pressure hoses with their fittings, oil & gas marine break-away couplings and hoses, filtration for LNG and industrial applications, rubber sheeting and matting, expansion joints and wear protection lining equipment based on advanced polymer technology.



Industrial hoses



Offshore oil and gas transfer



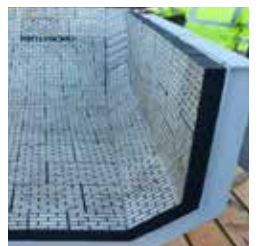
Oil and gas flow control



Rubber sheeting and matting



Expansion joints



Mining and mineral processing

## HYDROCARBONS

Whether for transporting petrol, diesel, LPG, heating oil, metered distribution or in tanks, you will find the suitable hose assembly, compliant with standard, as well as its accessories.



## CHEMICALS

From acids to bases, Trelleborg hose assemblies assure safety and reliability during your deliveries, completed by a full range of suitable accessories.



## BULK PRODUCTS (POWDERS/SOLIDS)

The range of Trelleborg hose assemblies allows you to optimize the bulk transfer of solid products such as cement, sand, silica, granules or powdery food products.



## FOOD LIQUIDS

The transport of liquid food requires specific hose assemblies that comply with regulatory requirements for materials in contact with food.



## STANDARDS

All ranges of Trelleborg hoses assemblies intended for the transport of hazardous materials are compliant to the relevant European Standards for safety and reliability.



## USABLE IN EXPLOSIVE ATMOSPHERE

Many of the hose assemblies presented can be used in ATEX classified areas.



## MADE IN FRANCE

All hose assemblies are produced and tested on our sites in Clermont-Ferrand, Lyon or Sancheville.





## Hydrocarbons

Whether for transporting petrol, diesel, LPG, heating oil, metered distribution or in tanks, you will find the suitable hose assembly, compliant with standard, as well as its accessories.



| Metered unloading |             |         |  |
|-------------------|-------------|---------|--|
| VOLUDEC           | Heating oil | EN 1360 |  |
| BUTANE PROPANE E  | LPG         | EN 1762 |  |



| Hydrocarbons unloading |                    |                       |  |
|------------------------|--------------------|-----------------------|--|
| TRELLEX OIL range      | Oils Refined fuels | EN 13765              |  |
| PUMPADUKT range        | Oils Refined fuels | EN 1761<br>EN 12115   |  |
| Stainless steel        | Bitumen            | EN 21012<br>ISO 10380 |  |

### STAINLESS STEEL, POLYPROPYLENE, ALUMINIUM AND BRONZE FITTINGS AND ACCESSORIES

Guillemin 1/2 sym, BSP, NPT, TTMA flanges, Camlock, Storz, Tankwagen, GFR, aluminium GFR, steam API, monobloc liquid API with Viton seal, LPG ACME, protection spring, gaskets (nature on request), Handle-Tech, spanner, retention bucket, adaptors, reducers, plugs, dry-break coupling, Teguflex TW expansion joints, matting for vehicles or step (fire/smoke/hydrocarbons resistance), etc.





## Chemicals

From acids to bases, Trelleborg hose assemblies assure safety and reliability during your deliveries, completed by a full range of suitable accessories.



### Corrosive fluids unloading

TRELLFLEX  
CHEM range

EN 13765



CHEMIKLER  
UPE

EN 12115



### Very corrosive fluids unloading

TRELLFLEX  
CHEM PTFE  
range

EN 13765



### STAINLESS STEEL, POLYPROPYLENE AND BRONZE FITTINGS AND ACCESSORIES

Guillemin 1/2 sym, Guillemin 1/2 sym revolving, Guillemin secured, Storz, Tankwagen, Clamp, Camlock secured, BSP, NPT, dry-break coupling, stainless steel Express, gaskets and seals, Handle-Tech, spanner, half-shell clamp, etc.





## Bulk products (powders/solids)

The range of Trelleborg hose assemblies allows you to optimize the bulk transfer of solid products such as cement, sand, silica, granules or powdery food products.




### Bulk unloading

|         |               |   |
|---------|---------------|---|
| TRUCK 7 | Multi-purpose |  |
|---------|---------------|---|

### Bulk unloading for food or white goods



|                 |   |   |
|-----------------|---|---|
| SUPERVRAC AL EC | Conductive white tube                       |  |
| TRELIVAC AL EC  | Conductive white tube<br>Suction resistance |   |
| TRUCK 7 FOOD    | White tube                                  |   |

### Hot air

|                 |                |   |
|-----------------|----------------|---|
| Stainless steel | Compressor     |  |
| CALIKLER HT     | Compressor     |   |
| MILLESIME       | Additional air |   |



### STAINLESS STEEL AND ALUMINIUM FITTINGS AND ACCESSORIES

Guillemin 1/2 sym, Storz, Express, half-shell clamp, Handle-Tech, spanner, valves, manometer, push elbow, anti-whip cable, etc.





## Food liquids

The transport of liquid food requires specific hose assemblies that comply with regulatory requirements for materials in contact with food.



| Liquid food unloading |                 |  |  |
|-----------------------|-----------------|--|--|
| ALIKLER G2            | Vegetable oils  |  |  |
| CITERDIAL             | Flexible        |  |  |
| ALCODIAL              | Alcohols        |  |  |
| MILLESIME             | Heat resistance |  |  |



### STAINLESS STEEL FITTINGS AND ACCESSORIES

SMS, DIN, Guillemin 1/2 sym, Macon, Clamp, Guillemin 1/2 sym revolving, sight glass, rubber coated nut, plug, Handle-Tech, spanner, adaptor on request, etc.



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