

TRELLEBORG FLUID HANDLING SOLUTIONS



BEERDIAL

THE ULTIMATE SOLUTION FOR BEER INDUSTRY

BEERDIAL

The ultimate solution for beer industry

[**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 protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. In 2023, the Trelleborg Group had annual sales of approximately SEK 34 billion in around 40 countries. The Group comprises three business areas: Trelleborg Industrial Solutions, Trelleborg Medical Solutions and Trelleborg Sealing Solutions. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap. www.trelleborg.com



INDUSTRIAL SOLUTIONS



MEDICAL SOLUTIONS



SEALING SOLUTIONS

TRELLEBORG FLUID HANDLING SOLUTIONS

We Protect the Essential, Innovate for Tomorrow.

At Trelleborg Fluid Handling Solutions, we champion the protection of what's crucial to you - from ensuring the purity of the food on your table to maintaining the environmental integrity of our oceans. Our commitment extends beyond today, preparing for the challenges of tomorrow with innovative, reliable, and sustainable solutions that safeguard people, assets, and the environment.

Your Trusted Partner in Fluid Management.

Built on over 100 years of engineering expertise, Trelleborg Fluid Handling Solutions transcends traditional fluid management. We're not just about engineering; we're about re-defining excellence with precision and care. Our pioneering solutions enhance the fluid transfer process, setting new industry benchmarks for safety, efficiency, and sustainability.

We offer reliable Fluid Handling Solutions.

We engineer the future with top-tier hoses that guarantee a smooth, leak-free flow, increase workplace safety and embody environmental stewardship with sustainable, waste-minimizing designs. We are Trelleborg Fluid Handling Solutions – Your trusted partner in Fluid Handling Solutions.



AIRCRAFT REFUELING



AQUACULTURE



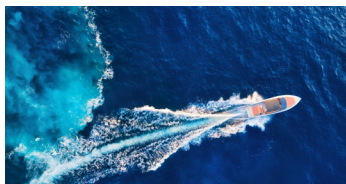
CHEMICAL FLUID TRANSFER



CONSTRUCTION



FOOD & BEVERAGE PRODUCTION



MARINE & LEISURE BOAT



PETROCHEMICALS



ENERGY TRANSFER



MANUFACTURING & MACHINE TOOLS



WATER & WASTE WATER MANAGEMENT



MINING EQUIPMENT



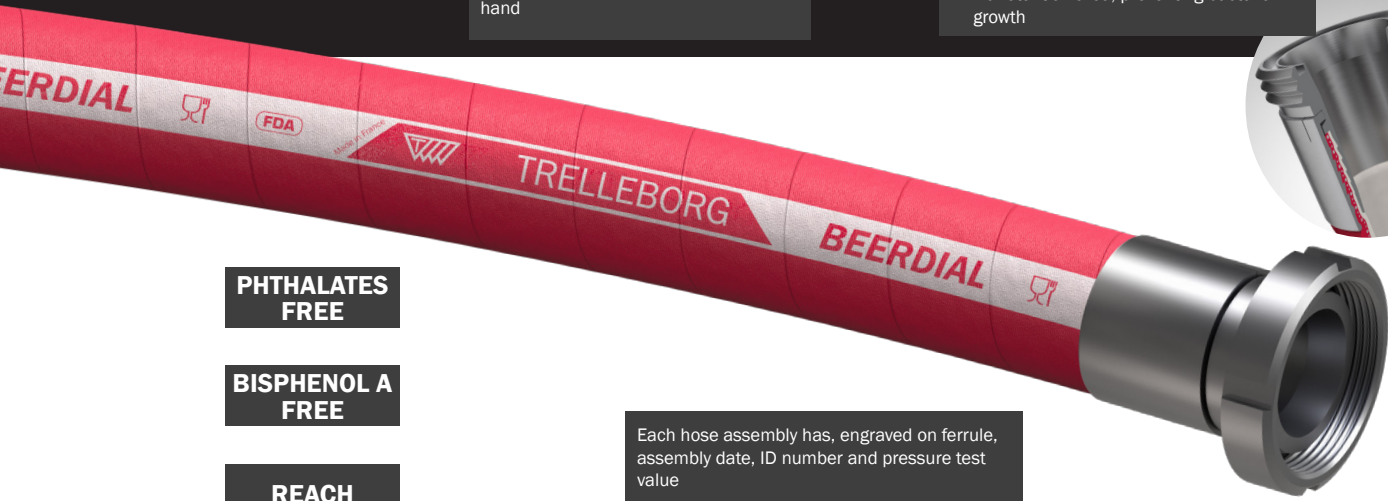
OIL TRANSFER

BEERDIAL: FOR SEVERE CLEANING CONDITION

Our rubber coated nuts prevent burns and guarantee optimal tightening by hand

Proprietary fitting system:

- No risk of disconnection
- No retention area, preventing bacterial growth



PHthalates
FREE

BISPhenol A
FREE

REACH

Each hose assembly has, engraved on ferrule, assembly date, ID number and pressure test value

Before first use, you should proceed as follows in order to prevent any alteration of your fluid.

- Fill hose with hot water (70°C to 80°C).
- Keep water inside for minimum 2 hours.
- Then, clean hose using any of the following cleaning processes which should prevent early ageing of your hoses.

⚠ ADVICE FOR CLEANING PROCESSES

- These recommendations are based on maximum of 2 cycles a day (with maximum 15 minutes in total for the chemical cleanings).

Every cleaning cycle must be immediately followed by a complete rinse.

For any other chemical or mix of chemicals, concentration, duration, temperature and frequency, please contact us to select the best hose for your application.

	Max duration in total	BEERDIAL
Hot water	max 30 minutes	max 95 °C
Steam (open end circuit)	max 30 minutes	max 130 °C during
Nitric acid	max 15 minutes	0.1% at max 85 °C 3% at room temperature
Phosphoric acid		1% at max 85 °C 3% at room temperature
Chlorinated products (hydrochloric acid, sodium hypochlorite...)		1% at max 70 °C
Sodium hydroxide		2% at max 80 °C 5% at room temp.
Hydrogen peroxide		1.5% at max 85 °C 3% at room temperature
Peracetic acid		1% at max 50 °C

⚠ REGULAR CHECKS

It is recommended to carry out regular checks on the hose (cover and tube) to make sure it is still safe of use as its original properties will eventually alter upon usage.

⚠ STORAGE

Keep away from (sun) light and heat. Only use pierced plugs when needed.

⚠ STAGNATION

Not recommended.

⚠ BE CAREFUL

Do not use high pressure cleaning systems to wash inside the hose.

REGULATIONS AND STANDARDS

Compounds and hoses are all complying with latest regulations:

- European regulations 1935/2004, 2023/2006 and 2024/3190 ; France: order of 5/8/2020 ;
- USA: FDA - 21 CFR 177.2600.



Engineered For Beer

Ensuring hygiene and safety in your beverage industry

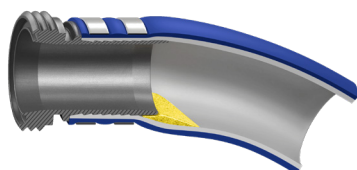
Prioritizing safety and hygiene in the beverage industry is not just about compliance but also about ensuring the well-being of consumers and the success of the business.

To meet the needs of this demanding industry, Trelleborg has developed solutions to prevent contamination and maintain product quality.

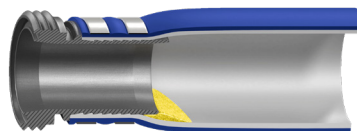
How do our assembly methods ensure better hygiene for your transfers?

The way we assemble our hoses considerably reduces the potential for retention zones between hose and fitting. This reduces the risk of fluid contamination.

Competition Clamp assemblies



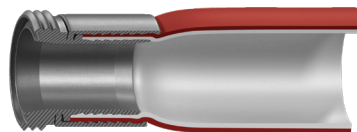
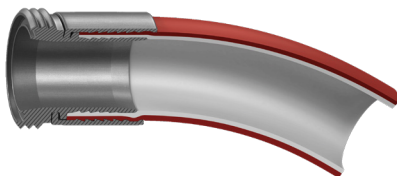
Bent hose



Under pressure



Trelleborg UTS Crimping solution



Trelleborg coupling system has been designed to meet any connection used on your brewerie equipment. Our distributor and partners, all over the world, will make hose assemblies to your request following the Trelleborg procedures. UTS Trelleborg Universal system : DIN, MACON, SMS, CLAMP, GUILLEMIN, SPHERICAL (EURO RAPID).



Stainless Steel nut



DIN



SMS



MACON

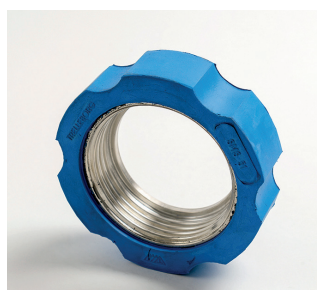


CLAMP



GUILLEMIN 1/2 sym.

Rubber Coated nut



Concept created by Trelleborg

Tool-free tightening
Shock protection
Wide range of diameters
DIN, SMS & MACON
version available

Ensuring your industry with dedicated product

Beerdial

The beer industry is one of the oldest in the world and has been constantly evolving ever since. From small craft artisanal beer producer to global multinational producer, the choice of industrial hoses is crucial for maintaining fluid quality and ensuring the overall efficiency of the brewing process.

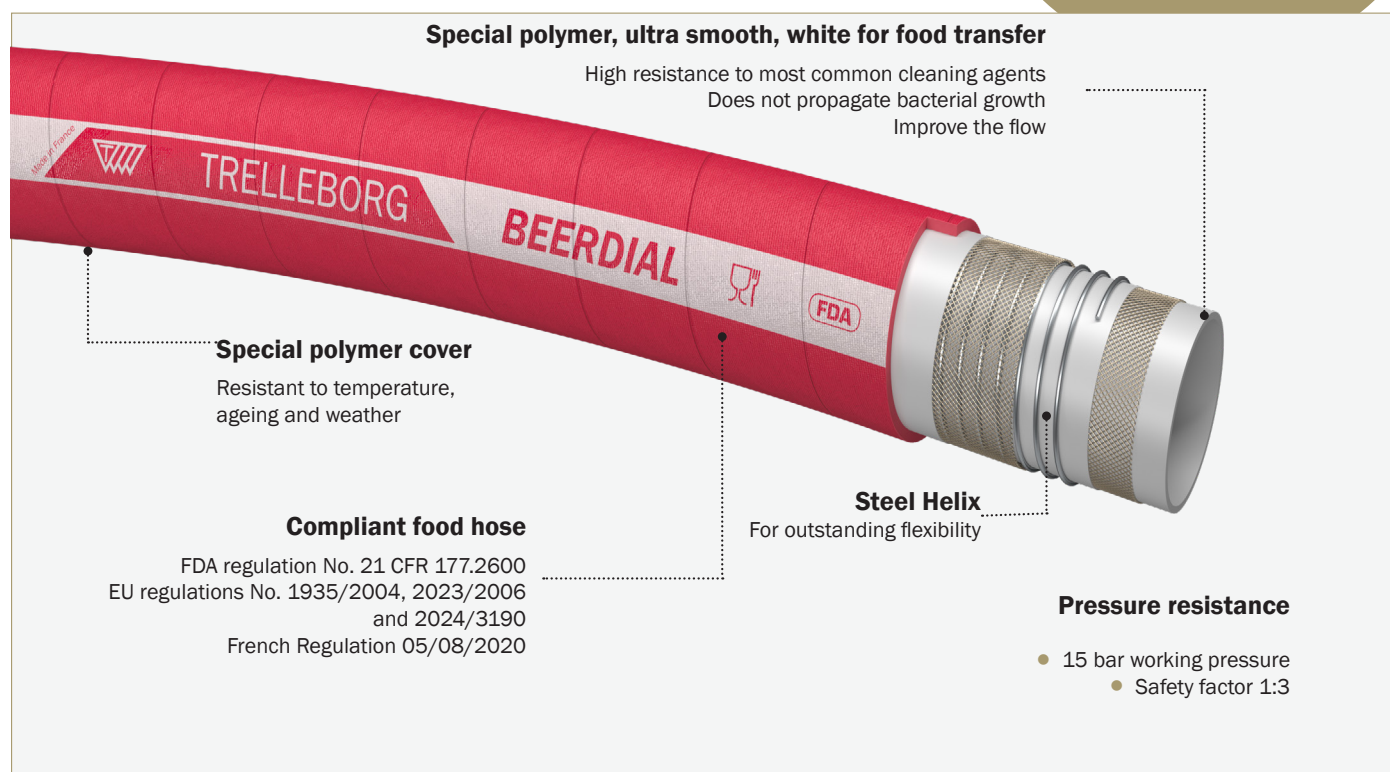
Trelleborg enhances its beverage range with a new hose for the beer brewing industry: **BEERDIAL**.

Brewery dedicated

Innocuity

Food defense

Special polymer



Technical details

- Diameter range: from 25 to 100 mm
- Temperature : -40°C to +120°C (Peak at 130°C)
- Length: 20 or 40 m coil

Key features

- Optimum organoleptic neutrality, tasteless and odorless to maintain quality
- Alcohol up to 96%
- Ultra white and smooth inner tube for easy cleaning and improved transfer fluidity
- High resistance to the most commonly used chemical cleaning agents
- Highly flexible for better handling
- High resistance to temperature
- High pressure resistance to meet the demands of major food standards



SKM Engineered for Brewing Excellence

SKM Background

With SKM, we deliver not just a product but a new standard in reliability, efficiency, and adaptability, empowering the industry to meet its challenges with confidence.

The challenge was clear: create a material that combines exceptional chemical resistance, tolerance to extreme temperatures, unmatched flexibility, and unparalleled versatility, all while ensuring compliance with hygiene standards critical to brewing processes.



ADVANTAGES

- Organoleptic neutrality : tasteless & odorless
- Ultra smooth inner tube for optimal flow
- High resistance
- Unmatched flexibility

COMPOSITION

A unique mix designed to deliver performance that meets the strictest requirements of the food industry with 0 contamination and an optimal organoleptic neutrality

VERSATILITY

SKM has passed all migration tests, ensuring food safety and compliance with industry standards. The material also withstands high temperatures, making it ideal for hot-fill processes and thermal applications

RESISTANCE

Excellent chemical resistance, which means it can withstand the aggressive CIP processes it may undergo during its life cycle.

Regulations

Reg. EU n° 1935/2004

General requirements concerning materials and objects intended to come into contact with foodstuffs.



Reg. EU n° 2023/2006

Relating to good manufacturing practices for materials and objects intended to come into contact with foodstuffs.

French legislation 05/08/2020

Relates to rubber materials and objects intended to come into contact with foodstuffs and to soothers for infants and young children.

Reg. EU n° 2024/3190

On the use of bisphenol A (BPA) and other bisphenols in certain materials and articles intended to come into contact with food.

Reg. FDA n° 21 CFR 177.2600

Rubber articles intended for food contact.

Proven performances Vs. Competiton

For those seeking the best balance between performance, longevity, and chemical resistance, the BEERDIAL with SKM mix is the ultimate solution



Contamination
0 risk of contamination



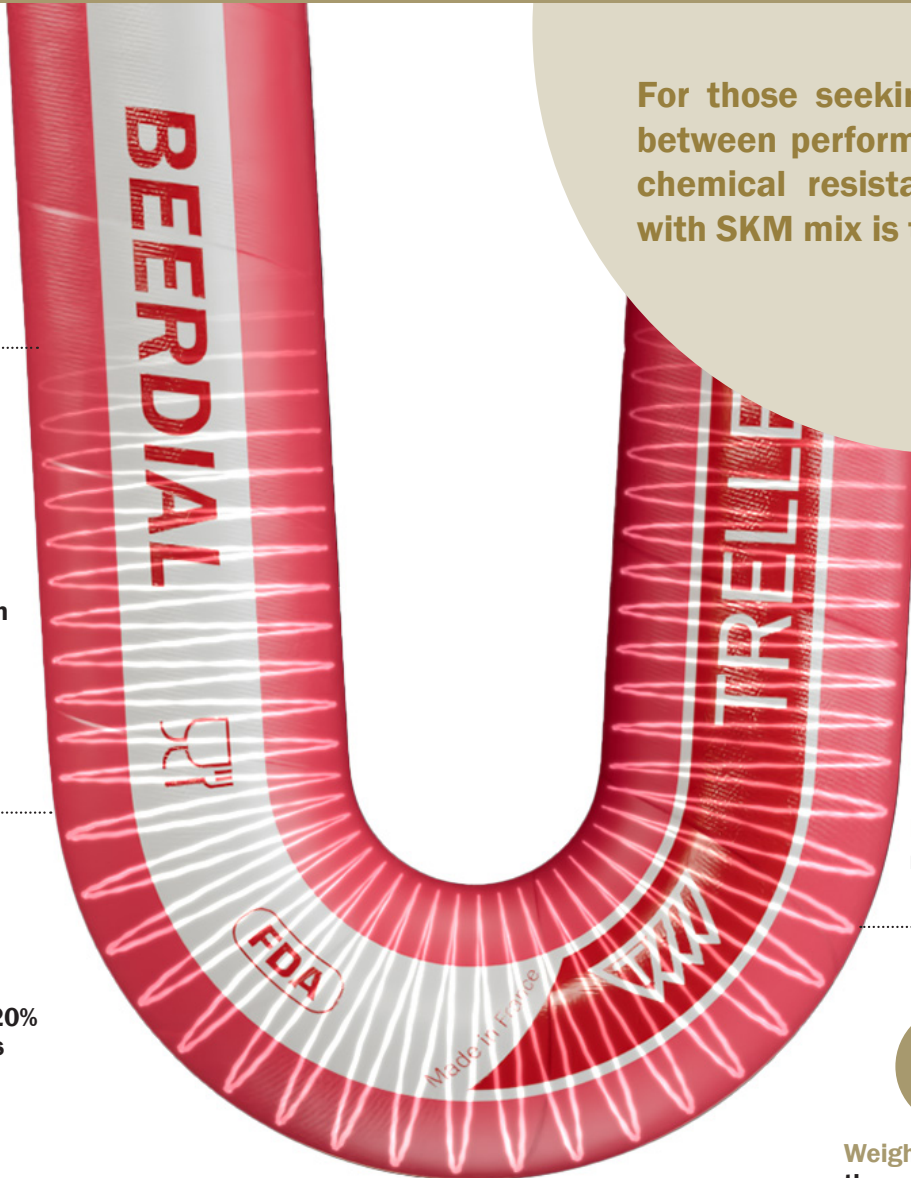
Life Span ↗ up to 20% more than competitors



Flexibility ↗ up to 2 times more than the competitors



Weight ↗ up to 20% lower than competitors





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.

WWW.TRELLEBORG.COM/FLUIDHANDLING



Trelleborg BU Fluid Handling Solutions

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