



Industrial & Hydraulic Hoses

ERIKS is a worldwide leading supplier of industrial and hydraulic hoses, couplings and accessories. Your choice for safe, reliable and leak-proof systems.

ERIKS, a specialized industrial service provider

ERIKS supplies hoses and compensators from renowned manufacturers in rubber, plastic, PTFE and stainless steel. If the product you are looking for is not available as standard, we will search together with our specialists and our producers for a suitable solution for your application.

ERIKS industrial and hydraulic hoses is the foremost supplier and market leader to the process industries and our employees are undisputed specialists in the field of hoses, couplings and compensators.

Our product range:

Industrial hoses

- Rubber hoses
- PTFE hoses
- Plastic hoses
- Protection hoses
- Metal hoses
- Hose clamps
- Hose couplings
- Compensators
- Instrumentation
- Spare parts and accessories
- Spiral hoses
- Steel wire braided hoses
- Textile reinforced hoses
- Thermoplastic hoses
- High pressure cleaning hoses
- Fuel hoses
- Hose protection
- Fuel hose fittings
- Interlock crimp fittings
- Standard crimp fittings



ERIKS industry hoses and couplings



Hoses for oil terminal



Special hydraulic hoses and piping

A range of trusted brands





Hoses Assembly Facility



- Rubber Expansion Joint**
- Wide range of possible media and material
 - Excellent vibration absorption
 - Also available on Fabric



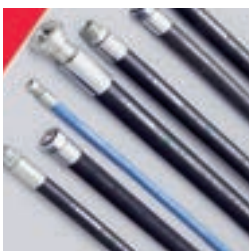
- Metal Hose**
- Annularly Corrugated with one or two Braid
 - Extreme Temperature
 - High Pressure/ Vacuum
 - Excellent Life Cycle
 - Minimum effort to bend or flex
 - Aggressive media



- Couplings and Fittings**
- Threaded Connections
 - Flange Couplings
 - Quick Connection Couplings
 - Triclamp
 - Cam & Groove



- Rubber and Thermoplastic Hose**
- Air
 - Nitrogen
 - Chemical
 - Food & Beverage
 - Multipurpose
 - Oil/Petroleum
 - Steam



- Hydraulic Hoses and Assembly**
- Higher Impulse Life
 - Minimum Bending Radius
 - Abrasion Resistance Cover
 - Ozone Resistance
 - Rubber & Thermoplastic



- Hydraulic Hose Inserts and Fittings**
- Quality Assured
 - Type Approved
 - Standard and Interlock
 - NPT/BSP/JIC/ORFS/SAE



- Metal Expansion Joint**
- Exhaust Expansion Joint
 - Absorb Axial and Angular Movement
 - Ideal for Vibration Absorption
 - Double Lateral Expansion Joint



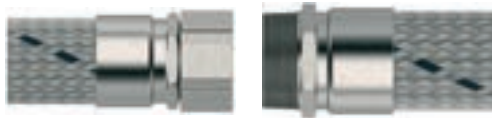
- PTFE Expansion Joint**
- Excellent Chemical resistance
 - Multi Applications
 - FDA approved

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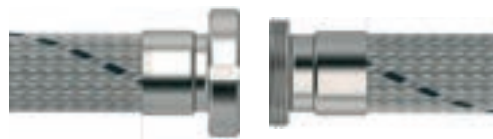
ERIKS

Flexible Metal Hoses and Fittings

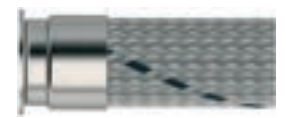
Available in - SS304, SS304L & SS316L



Female / Male BSPT Thread



DIN 11851 / SMS Union



Tri-Clamp Ferrule



Camlock Couplings



ASME B16.5 Flange (Swivel/Fixed)

Applications include:

- Cryogenic Gas
- Steam
- Glycol
- Bitumen
- Oil
- Chemical
- Food
- Water & many more

Mechanical Strength

- High working pressures
- High braid coverage

Ergonomics

- More flexibility and ease of use due to the design of the corrugated hose and braid

Temperature Correction Factor

When hoses are required to work at higher temperatures, the working pressure given in **Table 1** should be multiplied by the correction factor. This will determine the pressure rating of the hoses for higher temperatures. The permissible working pressure is $30 \times 0.60 = 18.0$ bar.

Recommended design pressure of SS316L DN50 Hose with single wire braiding at 200 degree Celsius will be 18.0 bar.

Stainless Steel Hose



Temperature Correction Factor for Hose System FT - Table 1

| Material | Temperature | | | | | | | | | | | |
|-------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|
| | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
| De-rating factors | | | | | | | | | | | | |
| SS304L | 1 | 0.87 | 0.72 | 0.65 | 0.59 | 0.55 | 0.51 | 0.48 | 0.46 | 0.45 | 0.44 | 0.43 |
| SS304 | 1 | 0.88 | 0.73 | 0.66 | 0.60 | 0.56 | 0.52 | 0.50 | 0.48 | 0.47 | 0.46 | 0.42 |
| SS321 | 1 | 0.92 | 0.88 | 0.78 | 0.74 | 0.71 | 0.67 | 0.64 | 0.62 | 0.61 | 0.60 | 0.59 |
| SS316L | 1 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |
| SS316 | 1 | 0.90 | 0.78 | 0.71 | 0.66 | 0.62 | 0.58 | 0.56 | 0.53 | 0.52 | 0.51 | 0.51 |



ISO 10380 QUALIFIED
Inner Tube: SS316L

Annular, Stainless Steel & Standard Pitch Hose
Braid: SS304

Temp. Range: 196° to +550°C

| Nominal Hose Size (Inch) | Braid Layers | Nominal Outside Diameter (mm) | Nominal Inside Diameter (mm) | Min. Centreline Bending Radius (mm) | | Pressure Rating at 23°C (kg/cm ²) | | Weight (kg/mtr) |
|-----------------------------------|-----------------|----------------------------------------|---------------------------------------|----------------------------------------|---------|--------------------------------------------------|------------------------------|--------------------|
| | | | | Static | Dynamic | Max. Working | Nominal Burst Pressure | |
| 1/4 | 0 | 9.6 | 6.2 | 25 | 85 | 12 | 140 | 0.076 |
| | 1 | 10.8 | | | | 120 | 480 | 0.150 |
| | 2 | 12 | | | | 192 | 68 | 0.240 |
| 3/8 | 0 | 14.3 | 10.3 | 38 | 140 | 9 | 100 | 0.112 |
| | 1 | 15.5 | | | | 90 | 360 | 0.215 |
| | 2 | 16.7 | | | | 144 | 576 | 0.333 |
| 1/2 | 0 | 16.7 | 12.2 | 45 | 140 | 9 | 90 | 0.118 |
| | 1 | 17.9 | | | | 80 | 320 | 0.240 |
| | 2 | 19.1 | | | | 128 | 512 | 0.379 |
| 3/4 | 0 | 26.8 | 20.2 | 70 | 170 | 6 | 65 | 0.250 |
| | 1 | 28.3 | | | | 96 | 256 | 0.495 |
| | 2 | 29.8 | | | | 154 | 410 | 0.630 |
| 1 | 0 | 32.2 | 25.4 | 85 | 190 | 5 | 55 | 0.355 |
| | 1 | 33.7 | | | | 75 | 200 | 0.630 |
| | 2 | 35.2 | | | | 120 | 320 | 0.930 |
| 1 1/2 | 0 | 49.5 | 40.1 | 130 | 300 | 1 | 45 | 0.682 |
| | 1 | 51.1 | | | | 35 | 140 | 1.172 |
| | 2 | 52.7 | | | | 56 | 224 | 1.694 |
| 2 | 0 | 60.3 | 50.3 | 160 | 320 | 1 | 45 | 0.880 |
| | 1 | 62.3 | | | | 30 | 120 | 1.606 |
| | 2 | 64.3 | | | | 48 | 192 | 2.383 |
| 3 | 0 | 95.0 | 80.3 | 200 | 450 | 0.6 | 35 | 1.098 |
| | 1 | 97.0 | | | | 18 | 72 | 2.154 |
| | 2 | 99.0 | | | | 29 | 115 | 3.260 |
| 4 | 0 | 117.0 | 100.8 | 290 | 560 | 0.5 | 28 | 1.401 |
| | 1 | 119.0 | | | | 16 | 64 | 3.001 |
| | 2 | 121.5 | | | | 26 | 102 | 4.665 |
| 6 | 0 | 175.0 | 150.8 | 380 | 815 | 0.3 | 22 | 3.220 |
| | 1 | 177.5 | | | | 10 | 40 | 5.705 |
| | 2 | 180.0 | | | | 16 | 64 | 8.289 |
| 8 | 0 | 225.0 | 197.0 | 500 | 1015 | 0.3 | 18 | 4.850 |
| | 1 | 228.0 | | | | 8 | 32 | 9.150 |
| | 2 | 231.0 | | | | 13 | 51 | 13.620 |
| 10 | 0 | 278.0 | 250.4 | 620 | 1270 | 0.2 | 18 | 7.150 |
| | 1 | 281.5 | | | | 7.5 | 30 | 13.750 |
| | 2 | 285.0 | | | | 12 | 48 | 20.550 |

For the high temperature and pressure, please refer to temperature correction factor

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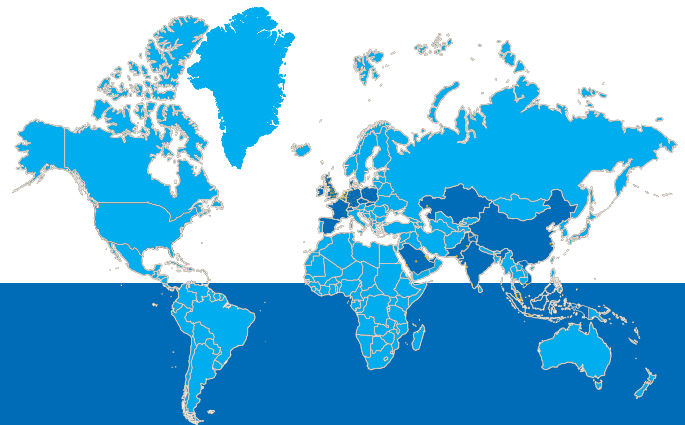
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