**DUCTING & VENTILATION**

**S-161BL AIR DUCTING**
- **Tube:** Grey plasticized PVC - abrasion and ozone resistant-self extinguishing
- **Reinforcement:** White shock resistant rigid PVC
- **Application:** Air, gas, fume extraction, air conditioning and ventilation
- **Temperature:** -10°C to +60°C
- **ID mm (inch):** 20(13/16), 25(1), 32(1 1/4), 38(1 1/2), 45(3/4), 51(2), 63(2 1/2), 76(3), 80(3 1/8), 102(4)
- **Coil Length:** 50M. for ID20-102mm., 30M. for ID127-152mm., 20M. for ID180-203mm., 10M. for ID254-305mm.

**U-17100 AIR DUCTING**
- **Tube:** Transparent polyurethane - abrasion and ozone resistant
- **Reinforcement:** Copper plated steel helix wire
- **Application:** Air, gas, fume suction, powder and abrasive material suction
- **Temp:** -40°C to +85°C
- **ID mm (inch):** 40(1 9/16), 51(2), 60(2 3/8), 63(2 1/2), 70(2 3/4), 76(3), 80(3 1/8), 102(4), 120(4 3/4), 127(5), 140(5 1/2), 152(6), 160(6 5/16), 180(7 1/16), 203(8), 254(10), 305(12)
- **Coil Length:** 20M. for ID40-90mm., 15M. for ID102-203mm., 10M. for ID254-305mm.

**S-174BB AIR DUCTING**
- **High Temperature**
- **Tube:** Textile fabric coated with flame resistant PVC
- **Reinforcement:** Steel helix wire
- **Application:** Hot air, gas, fume suction, air conditioning and ventilation
- **Temp:** -20°C to +100°C
- **ID mm (inch):** 40(1 9/16), 51(2), 60(2 3/8), 63(2 1/2), 70(2 3/4), 76(3), 80(3 1/8), 90(3 9/16), 102(4), 120(4 3/4), 127(5), 140(5 1/2), 152(6), 160(6 5/16), 180(7 1/16), 203(8), 254(10), 305(12)
- **Coil Length:** 10M.

**GAS & WELDING**

**L-081AE WELDING**
- **Tube:** Black synthetic elastomer - oil mist resistant
- **Reinforcement:** High tensile textile cords
- **Cover:** Yellow synthetic elastomer - abrasion and ozone resistant
- **Application:** Oxygen welding
- **Pressure:** 20 bar
- **Temperature:** -10°C to +60°C
- **ID mm (inch):** 6(1/4), 8(5/16), 10(3/8)
- **Coil Length:** 100M.

**L-081AH WELDING**
- **Tube:** Black synthetic elastomer - oil mist resistant
- **Reinforcement:** High tensile textile cords
- **Cover:** Red synthetic elastomer - abrasion and ozone resistant
- **Application:** Acetylene welding
- **Pressure:** 20 bar
- **Temperature:** -10°C to +60°C
- **ID mm (inch):** 6(1/4), 8(5/16), 10(3/8)
- **Coil Length:** 100M.

**COMPRESSED AIR**

**P-191AK COMPRESSED AIR**
- **Tube:** Black plasticized PVC - oil mist resistant
- **Reinforcement:** High tensile textile cords
- **Cover:** Yellow ribbed plasticized PVC with longitudinal blue stripes - abrasion and ozone resistant
- **Application:** Compressed air and general industrial applications
- **Pressure:** 20 bar
- **Temperature:** -10°C to +60°C
- **ID mm (inch):** 8(5/16), 10(3/8), 13(1/2), 19(3/4), 25(1)
- **Coil Length:** 100M.

**L-185AA COMPRESSED AIR**
- **Tube:** Black synthetic elastomer - oil mist resistant
- **Reinforcement:** High tensile textile cords
- **Cover:** Yellow synthetic elastomer - abrasion and ozone resistant
- **Application:** Compressed air and general industrial applications
- **Pressure:** 20 bar
- **Temperature:** -10°C to +60°C
- **ID mm (inch):** 6(1/4), 8(5/16), 10(3/8), 13(1/2), 16(5/8), 19(3/4), 25(1)
- **Coil Length:** 100M.

**L-185AK COMPRESSED AIR**
- **Tube:** Black synthetic elastomer - oil mist resistant
- **Reinforcement:** High tensile textile cords
- **Cover:** Yellow synthetic elastomer - abrasion and ozone resistant
- **Application:** Compressed air and general industrial applications
- **Pressure:** 20 bar
- **Temperature:** -10°C to +60°C
- **ID mm (inch):** 13(1/2), 19(3/4), 25(1)
- **Coil Length:** 100M.

**T-155AA COMPRESSED AIR**
- **Heavy Duty**
- **Applications:** High pressure compressed air for mine and quarries designed for long lasting service and maximum safety in heavy duty applications
- **Pressure:** 20 bar
- **Temperature:** -30°C to +80°C
- **ID mm (inch):** 19(3/4), 22(7/8), 25(1), 32(1 1/4), 38(1 1/2), 51(2), 63(2 1/2), 76(3), 102(4)
- **Coil Length:** 40M. for ID19, 25, 32, 38, 51mm., 20M. for ID22, 63, 76, 102mm.

**T-130AK COMPRESSED AIR**
- **Steel Cords**
- **Applications:** High pressure compressed air for mine and quarries designed for long lasting service and maximum safety in heavy duty applications
- **Pressure:** 40 bar for ID13-51mm., 30 bar for ID63-102mm.
- **Temperature:** -30°C to +80°C
- **ID mm (inch):** 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2), 63(2 1/2), 76(3), 102(4)
- **Coil Length:** 30.5M.
**HOT AIR**

**T-902LE HOT AIR BLOWER HARD WALL**

**Tube:** White EPDM - heat resistant  
**Reinforcement:** High tensile textile cords with embedded steel helix wires  
**Cover:** Blue EPDM - heat, abrasion and ozone resistant  
**Application:** Hot air conveyance in pneumatic bulk food and material transfer from compressor to road tanker. Special construction for max flexibility.  
**Pressure:** 10 bar  
**Temperature:** -40°C to +180°C  
**ID mm(inch):** 42(1 5/8), 51(2), 53(2 1/16), 63(2 1/2), 76(3), 90(3 9/16)  
**Coil Length:** 20M.

**WATER & LIQUIDS**

**T-253AA WATER DISCHARGE LAY FLAT**

**Tube:** Black Synthetic Elastomer  
**Reinforcement:** High tensile textile cords  
**Cover:** Black Synthetic Elastomer - abrasion and ozone resistant  
**Application:** Lay flat water discharge in irrigation and general industrial applications.  
**Pressure:** 10 bar  
**Temp:** -30°C to +80°C  
**ID mm(inch):** 38(1 1/2), 51(2), 63(2 1/2), 76(3), 102(4), 152(6), 203(8)  
**Coil Length:** 30.5M.

**T-203AA WATER SUCTION & DELIVERY**

**Tube:** Black synthetic elastomer  
**Reinforcement:** High tensile textile cords with embedded steel helix wires  
**Cover:** Black synthetic elastomer - abrasion and ozone resistant  
**Application:** Water suction and delivery in irrigation and general industrial applications  
**Pressure:** 10 bar  
**Temp:** -30°C to +80°C  
**ID mm(inch):** 25(1), 32(1 1/4), 38(1 1/2), 51(2), 63(2 1/2), 76(3), 102(4), 152(6), 203(8), 254(10)  
**Coil Length:** 40M. for ID25-51mm., 30.5M. for ID63-102mm., 6.1M. for ID127-254mm.

**HOT WATER & STEAM**

**T-350AA HOT WATER & STEAM**

**Tube:** Black EPDM  
**Reinforcement:** High tensile textile cords  
**Cover:** Black EPDM - heat, abrasion and ozone resistant  
**Application:** Saturated steam and hot water delivery in general industrial applications  
**Pressure:** 7 bar for steam, 15 bar for hot water  
**Temperature:** -40°C to +165°C  
**ID mm(inch):** 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2)  
**Coil Length:** 61M. for ID13mm., 40M. for ID19-51mm.

**T-330AH SATURATED STEAM**

**Tube:** Black EPDM  
**Reinforcement:** High tensile steel cords  
**Cover:** Red EPDM - heat, abrasion and ozone resistant - pin pricked  
**Application:** Saturated steam for use in refineries, shipyards, chemical plants and all industrial applications  
**Pressure:** 17 bar  
**Temperature:** -40°C to +208°C  
**ID mm(inch):** 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2), 63(2 1/2), 76(3)  
**Coil Length:** 61M. for ID13-51mm., 30.5M. for ID63-76mm.

**T-331AA SUPERHEATED STEAM**

**Tube:** Black chlorobutyl  
**Reinforcement:** High tensile steel cords  
**Cover:** Black EPDM - heat, abrasion and ozone resistant - pin pricked  
**Application:** Saturated and superheated steam for use in refineries, shipyards, chemical plants and all industrial applications  
**Pressure:** 17 bar  
**Temperature:** -40°C to +220°C  
**ID mm(inch):** 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2)  
**Coil Length:** 30.5M.

**LIQUID & BULK FOOD**

**P-491OO GENERAL PURPOSE FOOD QUALITY - PVC**

**Tube:** Transparent non-toxic plasticized PVC  
**Reinforcement:** High tensile textile cords  
**Cover:** Non-toxic transparent plasticized PVC with longitudinal red stripes - abrasion and ozone resistant  
**Application:** General purpose food quality. Also suitable for compressed air, chemicals and petroleum based products - see PVC chemical resistance chart  
**Pressure:** 15 bar for ID6-10mm., 10 bar for ID13-25mm.  
**Temp:** -5°C to +60°C  
**ID mm(inch):** 6(1/4), 8(5/16), 10(3/8), 13(1/2), 16(5/8), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2)  
**Coil Length:** 100M. for ID6-13mm., 50M. for ID16-51mm.

**S-4660L LIQUID FOOD SUCTION & DELIVERY STANDARD DUTY - PVC**

**Tube:** Transparent plasticized PVC - abrasion and ozone resistant  
**Reinforcement:** White shock resistant rigid PVC  
**Application:** Liquid food and alcoholic beverages (up to 28% proof) suction and delivery  
**Pressure:** 8 bar for ID20-25mm., 7 bar for ID32mm., 6 bar for ID38mm., 5 bar for ID51mm., 4 bar for ID102mm.  
**Temp:** -5°C to +60°C  
**ID mm(inch):** 20(13/16), 25(1), 32(1 1/4), 38(1 1/2), 51(2), 63(2 1/2), 76(3), 102(4)  
**Coil Length:** 50M. for ID20-51mm., 25M. for ID63-102mm.

Other models and sizes are also available. Please contact us.  
Tolerances on length : +3%, -1%
LIQUID & BULK FOOD (cont.)

S-4700OO GENERAL PURPOSE

 Tube: Transparent plasticized PVC-food quality, abrasion and ozone resistant
 Reinforcement: Steel helix wire
 Application: General purpose liquid food and chemicals suction and delivery
 Pressure: 15 bar for ID10mm, 7 bar for ID13mm,
 6 bar for ID16mm, 5 bar for ID20-25mm,
 4 bar for ID32-38mm, 3 bar for ID45-51mm,
 2 bar for ID63-152mm.
 Temperature: -5°C to +60°C
 ID mm(inch): 10(3/8), 13(1/2), 16(5/8), 20(13/16), 22(7/8),
 25(1), 32(1 1/4), 38(1 1/2), 45(1 3/4), 51(2),
 63(2 1/2), 76(3), 102(4), 152(6)
 Coil Length: 60m. for ID10-32mm, 30m. for ID38-102mm,
 20m. for ID152mm.

T-452LH LIQUID FOOD

 Tube: White NR
 Reinforcement: High tensile textile cords
 Cover: Red SBR/EPDM blend - abrasion and ozone resistant
 Application: Liquid food and alcoholic beverages delivery.
 sterilisation with water and max 5% soda.
 Pressure: 10 bar
 Temperature: -30°C to +80°C
 ID mm(inch): 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2),
 51(2), 76(3), 102(4)
 Coil Length: 61m. for ID13mm, 30.5m. for ID19-51mm,
 20m. for ID76-102mm.

T-402LH LIQUID FOOD

 Tube: White NR
 Reinforcement: High tensile textile cords with embedded steel helix wires
 Cover: Red SBR/EPDM blend - abrasion and ozone resistant
 Application: Liquid food and alcoholic beverages suction & delivery- special construction for max flexibility.
 Sterilisation with water and max 5% soda.
 Pressure: 10 bar
 Temp: -30°C to +80°C
 ID mm(inch): 25(1), 38(1 1/2), 51(2), 70(2 3/4), 76(3), 102(4)
 Coil Length: 30.5m. for ID25-51mm, 20m. for ID70-102mm.

T-405LE FAT FOOD

 Tube: White NBR
 Reinforcement: High tensile textile cords with embedded steel helix wires
 Cover: Blue NBR/PVC blend - abrasion, ozone and oil resistant
 Application: Alcoholic beverages, liquid, fat and oily foods suction and delivery. Special construction for maximum flexibility. Sterilisation with steam at 2.5 bar 130°C (266°F) max 30 minutes or with water and max 5% soda.
 Pressure: 10 bar
 Temp: -30°C to +80°C
 ID mm(inch): 19(3/4), 25(1), 38(1 1/2), 51(2), 63(2 1/2), 76(3)
 Coil Length: 30.5m.

T-720LA BULK FOOD

 Tube: White NR - abrasion resistant
 Reinforcement: High tensile textile cords with embedded steel helix wires - antistatic wire
 Cover: Black conductive SBR/NR blend - abrasion and ozone resistant
 Application: Bulk food and materials suction and delivery. Designed for grains, flour and plastic pellets transfer. Special construction for maximum flexibility.
 Pressure: 10 bar
 Temperature: -30°C to +80°C
 ID mm(inch): 76(3), 90(3 9/16), 102(4)
 Coil Length: 30.5m.

BULK MATERIAL

T-720AA BULK MATERIAL SUCTION & DELIVERY

 Tube: Black conductive NR - abrasion resistant
 Reinforcement: High tensile textile cords with embedded steel helix wires
 Cover: Black conductive SBR/NR blend - abrasion and ozone resistant
 Application: Bulk material suction and delivery. Designed for dry cement, grains and animal feed transfer. Special construction for maximum flexibility.
 Pressure: 10 bar for ID51-102mm, 5 bar for ID127mm.
 Temperature: -30°C to +80°C
 ID mm(inch): 51(2), 63(2 1/2), 76(3), 102(4), 127(5)
 Coil Length: 30.5M.

CONCRETE, PLASTER, GUNITE & SANDBLAST

T-750AA SANDBLAST

 Tube: Black conductive NR - abrasion resistant
 Reinforcement: High tensile textile cords
 Cover: Black conductive SBR/NR blend - abrasion and ozone resistant - pin pricked
 Application: Sandblast installations
 Pressure: 10 bar
 Temperature: -30°C to +80°C
 ID mm(inch): 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2)
 Coil Length: 40M.

T-757AA PLASTER & CONCRETE

 Tube: Black conductive NR - abrasion resistant
 Reinforcement: High tensile textile cords
 Cover: Black conductive SBR/NR blend - abrasion and ozone resistant
 Application: Plaster and concrete pumping installations
 Pressure: 40 bar
 Temperature: -30°C to +80°C
 ID mm(inch): 25(1), 32(1 1/4), 35(1 3/8), 38(1 1/2), 51(2)
 Coil Length: 40M.

T-740AA CONCRETE PUMPING HEAVY DUTY

 Tube: Black conductive NR - abrasion resistant
 Reinforcement: High tensile steel cords
 Cover: Black conductive SBR/NR blend - abrasion and ozone resistant
 Application: Heavy duty high pressure concrete placement at casting site
 Pressure: 85 bar
 Temperature: -30°C to +80°C
 ID mm(inch): 51(2), 63(2 1/2), 76(3), 102(4), 127(5), 152(6)
 Coil Length: 61m. for ID51-63mm, 20m. for ID76-152mm.

ACIDS, CHEMICALS & MULTIPURPOSE

L-984AH MULTIPURPOSE

 Tube: Black synthetic elastomer
 Reinforcement: High tensile textile cords
 Cover: Red conductive SBR/NR blend - abrasion, ozone and hydrocarbon resistant
 Application: Compressed air, water, fuel and oil delivery in general industrial applications
 Pressure: 20 bar
 Temperature: -30°C to +60°C
 ID mm(inch): 6(1/4), 8(5/16), 10(3/8), 13(1/2), 16(5/8),
 19(3/4), 25(1)
 Coil Length: 100M.
ACIDS, CHEMICALS & MULTIPURPOSE (cont.)

**T-5050G ACID & CHEMICAL SUCTION & DELIVERY**
- **Tube**: Transparent XLPE (cross linked polyethylene)
- **Reinforcement**: High tensile textile cords with embedded steel helix wires
- **Cover**: Green EPDM - abrasion and ozone resistant
- **Application**: Acid and chemical suction and delivery. Suitable for 90% of existing chemicals - see chemical resistance chart
- **Pressure**: 16 bar
- **Temp**: -20°C to +65°C
- **ID mm (inch)**: 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 42(1 5/8), 45(1 3/4), 48(1 7/8), 51(2), 60(2 3/8), 63(2 1/2), 76(3), 80(3 1/8), 90(3 9/16), 102(4), 115(4 1/2), 120(4 3/4), 127(5), 152(6), 203(8)
- **Coil Length**: 30.5M.

**T-5090E ACID & CHEMICAL SUCTION & DELIVERY**
- **Tube**: Transparent UHMWPE (ultra high molecular weight polyethylene)
- **Reinforcement**: High tensile textile cords with embedded steel helix wires
- **Cover**: Blue EPDM - abrasion and ozone resistant
- **Application**: Acid and chemical suction and delivery. Suitable for 98% of existing chemicals - see chemical resistance chart
- **Pressure**: 16 bar
- **Temp**: -20°C to +65°C
- **ID mm (inch)**: 6(1/4), 8(5/16), 10(3/8), 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 42(1 5/8), 45(1 3/4), 48(1 7/8), 51(2), 60(2 3/8), 63(2 1/2), 76(3), 80(3 1/8), 90(3 9/16), 102(4), 115(4 1/2), 120(4 3/4), 127(5), 152(6), 203(8)
- **Coil Length**: 30.5M.

**FUEL & OIL**

**L-680AA FUEL & OIL DELIVERY**
- **Tube**: Black synthetic elastomer
- **Reinforcement**: High tensile textile cords - antistatic wire dia. 13mm and above
- **Cover**: Black synthetic elastomer - abrasion, ozone and hydrocarbon resistant
- **Application**: Low pressure or gravity fuel and oil transfer
- **Pressure**: 10 bar
- **Temp**: -20°C to +60°C
- **ID mm (inch)**: 6(1/4), 8(5/16), 10(3/8), 13(1/2), 19(3/4), 25(1)
- **Coil Length**: 100M.

**L-671AA FUEL & OIL DELIVERY**
- **Tube**: Black NBR
- **Reinforcement**: High tensile textile cords
- **Cover**: Black synthetic rubber - abrasion, ozone and hydrocarbon resistant
- **Application**: Fuel and oil delivery
- **Pressure**: 16 bar
- **Temp**: -25°C to +80°C
- **ID mm (inch)**: 5(3/16), 6(1/4), 8(5/16), 10(3/8), 13(1/2), 16(5/8), 19(3/4), 25(1)
- **Coil Length**: 100M. for ID5-19mm., 80M. for ID25mm.

**T-650AA FUEL & OIL DELIVERY**
- **Tube**: Black conductive NBR
- **Reinforcement**: High tensile textile cords
- **Cover**: Black conductive NBR/PVC blend - abrasion, ozone, hydrocarbon and fire resistant
- **Application**: Fuel and oil delivery with up to 50% aromatic content
- **Pressure**: 10 bar
- **Temp**: -30°C to +80°C
- **ID mm (inch)**: 13(1/2), 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 42(1 5/8), 45(1 3/4), 51(2), 60(2 3/8), 63(2 1/2), 76(3), 80(3 1/8), 90(3 9/16), 102(4), 115(4 1/2), 120(4 3/4), 127(5), 152(6), 203(8)
- **Coil Length**: 30.5M. for ID5-15mm., 20.5M. for ID25-152mm.

**T-609AA FUEL & OIL SUCTION & DELIVERY**
- **Tube**: Black conductive NBR
- **Reinforcement**: High tensile textile cords with embedded steel helix wires
- **Cover**: Black NBR/PVC blend - abrasion, ozone, hydrocarbon and flame resistant
- **Application**: Fuel and oil suction and delivery with up to 50% aromatic content. Designed for long lasting service in heavy duty applications
- **Pressure**: 16 bar
- **Temp**: -30°C to +70°C
- **ID mm (inch)**: 25(1), 32(1 1/4), 38(1 1/2), 51(2), 63(2 1/2), 76(3), 102(4), 152(6), 203(8)
- **Coil Length**: 61M. for ID19-38mm., 30.5M. for ID51-203mm.

**T-659AA LPG DELIVERY**
- **Tube**: Black NBR
- **Reinforcement**: Braided high tensile textile cords - antistatic wire
- **Cover**: Black NBR/PVC blend - abrasion, ozone, hydrocarbon and fire resistant
- **Application**: LPG delivery
- **Pressure**: 25 bar
- **Temp**: -30°C to +70°C
- **ID mm (inch)**: 19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 51(2)
- **Coil Length**: 61M.
**DANCHEM CHEMICAL HOSE**

Danchem PG  
Application: Suction discharge and vacuum applications for acids, alkalies, solvents and petroleum products.

Danchem PS  

Danchem SG  
Temperature: -20°C to +80°C

Danchem SS  
Max Length: 20M. (66 ft.)

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<thead>
<tr>
<th>BORE DIAMETER</th>
<th>MAX WORKING PRESSURE</th>
<th>BENDING RADIUS</th>
<th>WEIGHT</th>
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<td>INS MM</td>
<td>BAR PSI</td>
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<td>4.0 to 100</td>
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<td>1.0 to 3</td>
<td>50 to 150</td>
<td>7.0 to 180</td>
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<td>1.5 to 3.5</td>
<td>75 to 200</td>
<td>8.0 to 205</td>
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**DANOIL PETROCARBON HOSE**

Danoil 3: For road tanker and in plant transfer of petrol and oil products.

Max Length: 20M. (66 ft.)

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<td>2.5 to 3.5</td>
<td>75 to 200</td>
<td>8.0 to 205</td>
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**DANFLON PTFE HOSE**

Danflon SG  

Danflon SS  

Danflon GG  

Danflon GGA  
Application: Discharge of aggressive chemicals and searching solvents. (SGA, SSA, GGA - High temperature hose)

Temperature: -20°C to +80°C

Max Length: Dia 1" to 8" - 20M. (66 ft.)  
Dia 10" - 12M. (40 ft.)

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<td>2.5 to 3.5</td>
<td>75 to 200</td>
<td>8.0 to 205</td>
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**DANCHEM CRYOGENIC HOSE**

Danchem PA  
Application: Heavy duty for marine applications.

Temperature: -200°C to +80°C

Max Length: Dia 1" to 8" - 20M. (66 ft.)

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<td>75 to 370</td>
<td>8.0 to 205</td>
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**Note:** Tolerances on length: +3%, -1%
### SMOOTH BORE PTFE HOSE

#### FHL (Light Wall)

<table>
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<tr>
<th>DN</th>
<th>Wall Thk</th>
<th>int.Ø</th>
<th>ext.Ø</th>
<th>Weight</th>
<th>Pressure 20°C KGF/cm²</th>
<th>Min. Bend Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>mm</td>
<td>gr/m</td>
<td>exercise</td>
<td>burst</td>
</tr>
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<th>Min. Bend Radius</th>
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<tbody>
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<td>mm</td>
<td>mm</td>
<td>gr/m</td>
<td>exercise</td>
<td>burst</td>
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<td>-------</td>
<td>----------</td>
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<td>9.4</td>
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#### FHH (Heavy Wall)

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<td>gr/m</td>
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### CONVOLUTED PTFE HOSE BRAIDED AISI304

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### CONVOLUTED PTFE TUBE

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<td>58</td>
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</tbody>
</table>

**Application:**
- Plastic moulding presses
- Coolant lines for canning machines
- Coolant lines for gas and chlorine cylinders
- Transport of corrosive chemical, food and pharmaceutical products
- Compressors discharge line
- Transport of air, oil and petrol in the car motorcycle and shipyard fields

**Temperature:** -73°C to +260°C

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**CONVOLUTED PTFE TUBE**

- **Application:**
  - Plastic moulding presses
  - Coolant lines for canning machines
  - Coolant lines for gas and chlorine cylinders
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  - Transport of air, oil and petrol in the car motorcycle and shipyard fields

**Temperature:** -73°C to +260°C
CONVOLUTED STAINLESS STEEL HOSE, ANNULAR and SPIRAL

Application: Oil, water, hot water, steam, gas, air, chemicals
Size: 15A - 200A for Annular, and 8A - 80A for Spiral
Remarks: Pls contact us for further information.

HOSE FITTINGS and ACCESSORIES

Camlock Part-A
Material: Aluminium, Stainless Steel

Camlock Part-B
Material: Aluminium, Stainless Steel

Camlock Part-C
Material: Aluminium, Stainless Steel

Camlock Part-D
Material: Aluminium, Stainless Steel

Camlock Part-DC
Material: Aluminium, Stainless Steel

Camlock Part-E
Material: Aluminium, Stainless Steel

Camlock Part-DP
Material: Aluminium, Stainless Steel

Camlock Part-F
Material: Aluminium, Stainless Steel

Pin Lug Swivel Nut
Standard Thread: NPS, BSP
Material: Brass, Ductile Iron
Working Pressure: 150 psi.

Pin Lug Coupling
Standard Thread: NPS, BSP
Material: Brass, Ductile Iron
Working Pressure: 150 psi.

Combination Nipple
Standard Thread: NPS, BSP
Material: Galvanized Steel, Stainless Steel
Working Pressure: 150 psi.

Flange
Standard: JIS10K, ANSI150
(Pls contact us for other flange standards.)
Material: Mild Steel
Working Pressure: 150 psi.

Double Bolt Clamp
Material: Ductile Iron
Working Pressure: 75 psi.

Tolerances on length: +3%, -1%
Tozen has invested in a highly sophisticated crimping machine, so we can make local assemblies for high-quality crimped-on industrial hoses. This machine is used for assembling rubber hoses and Dantec composite hoses with various fittings. With this machine, it can ensure that delivery and repair can be much more flexible and faster. New hoses assembled by Tozen, subject to our standard terms and conditions, shall always be in the condition ready for use. We do not limit this service to only hoses bought from us. Hoses purchased from other suppliers are welcomed for this program.

The usefulness of a hose is enhanced by the proper selection of couplings. Couplings are attached to the ends of hose in order to facilitate connection to a pressure source. To make this transition successful, the coupling termination must provide a leak proof seal and the hose/coupling interface must be properly matched. The hose/coupling interface is not as straightforward. Because of difficulty in making the transition between rigid and high modulus materials such as metal to flexible and low modulus materials such as rubber, numerous coupling configurations have evolved. The following 2 types of connection methods between rubber and other elastomer hoses and hose fittings are available from Tozen.

1) Bolt Clamping: For this type, hose fittings shall be connected to rubber hoses by clamping the rubber hose with bolt clamps. This connection method is for medium working pressure service, and should not be used at pressure higher than 125psi disregard pressure rating of the hose.

Advantages of Crimped-On Rubber Hose
- More secure and reliable hose/fitting connection than band and bolt clamping
- More reliable for petroleum or chemical pressurized transfer
- No pullout accident
- One-Year full warranty
- Test certificate from the authorized and qualified supplier
- Maintenance program

2) Crimping or swaging: For this type, hose fittings shall be connected to rubber hoses using a crimping machine operated by a well-trained personnel. The connection is done by crimping or compressing a ferrule radially by a number of finger toward the hose axis. This connection method is versatile since crimped assemblies can be made with low-pressure hose, as well as high-pressure hydraulic hoses. This connection method is one of the best available for rubber hoses used for pressurized transfer in tank truck and general applications. Furthermore, it features very consistent connection quality, since crimping is done mainly by machine, and human error is minimized. All hoses with this connection type shall be factory-tested at 1.5 times the required working pressure, and a test product certificate shall be provided with each hose. An accidental pullout of hose fittings can be avoided by using this type!

Crimping or swaging assembled hoses are well accepted by major companies for off-shore and in-plant applications. Only by crimping with suitable hose fitting can guarantee the rubber hose lives up to its designated pressure rating. (150psi or higher)

Remark: Tolerance on length for hose assembly is +3%,-1%

As a well-established company with long reputation in the market for almost 30 years, quality and attempts to bring better solutions to customers are our most important concerns. This is not because of our ISO 9001 certificate, but our business philosophies since our company was established. The ISO 9001 certificate is merely a result of the philosophies.

Tozen has invested in a highly sophisticated crimping machine, so we can make local assemblies for high-quality crimped-on industrial hoses. This machine is used for assembling rubber hoses and Dantec composite hoses with various fittings. With this machine, it can ensure that delivery and repair can be much more flexible and faster. New hoses assembled by Tozen, subject to our standard terms and conditions, shall be under one-year warranty term after purchase. Repaired hose at six months warranty.

To achieve our quality standard, we know that, in the field of industrial hoses, quality of products is not enough. Well-trained, qualified assembly and after sales service staff is another key factor to provide top quality industrial hoses. Our staffs in Assembly and After-Sales Service Division were sent for training in U.K. to learn how to do quality crimping and standard industrial hose testing. All staffs, who perform hose assembly and testing, are certified by Dantec, who is one of the world leading manufacturers in the industrial hose field and a recognized member of British Standard, to issue industrial hose certificates. So, our customers can be confident that every single unit of industrial hoses delivered to them shall be of universal quality. All hoses shall be delivered with unique identification marks for hose maintenance tracking purposes.

In other words Tozen supplies locally-assembled stainless steel hoses, rubber hoses and composite hoses with inspection and certification according to the relevant international standard.

LOCAL ASSEMBLY, INSPECTION and CERTIFICATION, WARRANTY and REPAIR

How do you correctly select and maintain the hose?
As all reputable hose suppliers know, working life of industrial hoses does not wholly rely on the quality of hoses. The more important is on the correct handling and installation; for example, how to avoid undue strain on the end fittings and mechanical damage during use. It is important that these are seen and understood by those actually use the hose. Well-trained technical staffs of Tozen provide professional information for proper selection of industrial hoses for various applications, correct handling and installation.

In order to ensure that hoses provide a safe service, it is critical that any damage or severe signs of deterioration are detected before hose failure occurs during operations. So, periodic checks by visual inspection, pressure tests, and electrical conductivity should be carried out continuously. With this fact, our certified hose maintenance staffs shall make scheduled calls to remind our customers for periodic checks. This maintenance service is done following the Hose Management Program, which has been successfully recognized in U.K. and other parts of the world. Any hoses, that fail during checking process, shall be repaired if possible. Under this program, a test and inspection certificate issued by our certified staffs shall accompany all hoses that pass our checks and repairs. Our customers can ensure that their hoses shall always be in the condition ready for use. We do not limit this service to only hoses bought from us. Hoses purchased from other suppliers are welcomed for this program.

CONNECTION METHODS between RUBBER HOSE and FITTINGS

Caution! Because the hose/coupling interface is critical to hose assembly performance, always follow the specific instruction of hose and coupling suppliers regarding the match of hose/fittings and assembly procedures. Failure to follow proper instructions or failure to use trained personnel might be dangerous and could result in damage to property and serious bodily injury.

The usefulness of a hose is enhanced by the proper selection of couplings. Couplings are attached to the ends of hose in order to facilitate connection to a pressure source. To make this transition successful, the coupling termination must provide a leak proof seal and the hose/coupling interface must be properly matched.

Remark: Tolerance on length for hose assembly is +3%,-1%