TOZEN

Hose Guide








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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(1 3/4), 51(2), 63(2 1/2), 76(3), 80(3 1/8), 102(4), 127(5), 152(6), 180(7 1/16), 203(8), 254(10), 305(12)
Coil Length : 50M. for ID20-102mm., 30M. for ID127-152mm., 20M. for ID180-203mm., 10M. for ID254-305mm.

U-171OO AIR DUCTING



Tube : Transparent polyurethane - abrasion and ozone resistant
Reinforcement : Copper plated steel helix wire
Application : Air, gas, fume, 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), 110(4 5/16), 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), 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
Reinforcement : High tensile textile cords
Cover : Blue 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
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. Also suitable for crop spraying of fertilizers, pesticides and weed killers.
Pressure : 20 bar
Temperature : -5°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 : Black synthetic elastomer with longitudinal yellow stripes - 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



Tube : Black SBR/NBR blend - oil mist resistant
Reinforcement : High tensile textile cords
Cover : Black SBR - abrasion and ozone resistant
Application : Compressed air designed for 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



Tube : Black SBR/NBR blend - oil mist resistant
Reinforcement : High tensile steel cords
Cover : Yellow SBR - abrasion and ozone resistant - pin pricked
Application : High pressure compressed air for mine and quarries designed for long lasting service and maximum safety in heavy duty applications. Braided construction available in diameters 38mm. and 51mm.
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.

Other models and sizes are also available. Please contact us.
Tolerances on length : +3%, -1%

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.

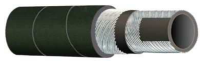
T-203AA WATER SUCTION & DELIVERY



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), 127(5), 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.

HOT WATER & STEAM (cont.)

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), 16(5/8), 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. 7 bar for ID32-38mm., 6 bar for ID51mm.
Temperature :	-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-466OL 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 ID51-76mm., 4 bar for ID102mm.
Temperature :	-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-470OO 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 max 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 synthetic elastomer - abrasion, ozone and hydrocarbon resistant
Application :	Compressed air, water, fuel and oil delivery in 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.

ACIDS, CHEMICALS & MULTIPURPOSE (cont.)

T-505OG 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), 51(2), 63(2 1/2), 76(3), 102(4)
Coil Length :	30.5M.

T-509OE 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
Temperature :	-20°C to +65°C
ID mm(inch) :	19(3/4), 25(1), 32(1 1/4), 38(1 1/2), 40(19/16), 51(2), 60(2 3/8), 63(2 1/2), 76(3), 102(4)
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
Temperature :	-10°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
Temperature :	-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 :	Fluel and oil delivery with up to 50% aromatic content
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), 45(1 3/4), 51(2), 63(2 1/2), 76(3), 102(4), 152(6)
Coil Length :	61M. for ID13-51mm., 20M. for ID63-152mm.

FUEL & OIL (cont.)

T-605AA 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 and hydrocarbon resistant
Application :	Fuel, oil and hydraulic fluids suction and delivery with up to 50% aromatic content. Specially designed for hydraulic oil return line.
Pressure :	21 bar for ID19mm., 17 bar for ID25mm., 14 bar for ID32mm., 10 bar for ID38-203mm.
Temperature :	-30°C to +80°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), 70(2 3/4), 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-655AA 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. Designed for long lasting service in heavy duty applications.
Pressure :	16 bar
Temperature :	-30°C to +70°C
ID mm(inch) :	19(3/4), 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-609AA FUEL & OIL SUCTION & DELIVERY



Tube :	Black conductive NBR
Reinforcement :	High tensile textile cords with embedded steel helix wires
Cover :	Black conductive 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
Temperature :	-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)
Coil Length :	61M. for ID25-38mm., 30.5M. for ID51-152mm.

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 - pin pricked
Application :	LPG delivery
Pressure :	25 bar
Temperature :	-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



Danchem PS



Danchem SG



Danchem SS

Application : Suction discharge and vacuum applications for acids, alkalis, solvents and petroleum products.

Temperature : -20°C to +80°C

Max Length : 20M. (66 ft.)

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11.0	280	3.0	2.0
4	100	14	200	15.5	395	4.8	3.2

DANOIL PETROCARBON HOSE

Temperature : -20°C to +80°C (For all Danoil models.)



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

Max Length : 20M. (66 ft.)

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
1	25	10.5	150	4.0	100	0.8	0.5
1.5	38	10.5	150	5.0	125	1.1	0.7
2	50	10.5	150	6.0	150	1.6	1.1
2.5	65	10.5	150	7.0	180	2.1	1.4
3	75	10.5	150	8.0	205	2.5	1.7
4	100	10.5	150	10.5	265	3.6	2.4



Danoil 3AL : (with aluminium inner wire) for petrol forecourt deliveries.

Max Length : 20M. (66 ft.)

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
2.5	65	10.5	150	7.0	180	1.6	1.1
3	75	10.5	150	8.0	205	1.7	1.1
4	100	10.5	150	10.5	265	2.4	1.6
Rail Car 4"	100	10.5	150	11.5	290	3.5	2.3



Danoil 7 : For discharge of all oil and petroleum.



Danoil 9 : (with Polyamide lining) for MTBE and unleaded petrol.

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

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11.0	280	3.0	2.0
4	100	14	200	15.5	395	5.2	3.5
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15.0	10.0
10	250	10.5	150	36.0	915	20.5	13.7



Danchem PG



Danchem PS



Danchem GG



Danchem SG



Danchem SS

Application : Heavy duty chemical suction discharge hose for greater mechanical strength.

Temperature : -20°C to +80°C

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

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15.0	10.0
10	250	10.5	150	36.0	915	20.5	13.7

DANFLON PTFE HOSE



Danflon SG



Danflon SGA



Danflon SS



Danflon SSA



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.)

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
1	25	14	200	4.0	100	0.8	0.5
1.5	38	14	200	5.5	140	1.2	0.8
2	50	14	200	7.0	180	1.9	1.3
2.5	65	14	200	8.0	205	2.5	1.7
3	75	14	200	11.0	280	3.0	2.0
4	100	14	200	15.5	395	5.2	3.5
4	100	14	200	16.0	405	6.4	4.3
6	150	14	200	20.0	510	10.7	7.2
8	200	14	200	30.0	760	15.0	10.0
10	250	14	200	36.0	915	20.5	13.7

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.)

BORE DIAMETER		MAX WORKING PRESSURE		BENDING RADIUS		WEIGHT	
INS	MM	BAR	PSI	INS	MM	KG/M	LB/FT
1	25	25	370	4.0	100	1.0	0.7
1.5	38	25	370	5.5	140	1.5	1.0
2	50	25	370	7.0	180	2.5	1.7
2.5	65	25	370	8.0	205	3.3	2.2
3	75	25	370	11.0	280	4.5	3.0
4	100	21	300	15.5	395	7.5	5.0
6	150	21	300	20.0	510	13.5	9.0
8	200	15	225	30.0	760	18.5	12.4

Tolerances on length : +3%, -1%

SMOOTH BORE PTFE HOSE

FHL (Light Wall)

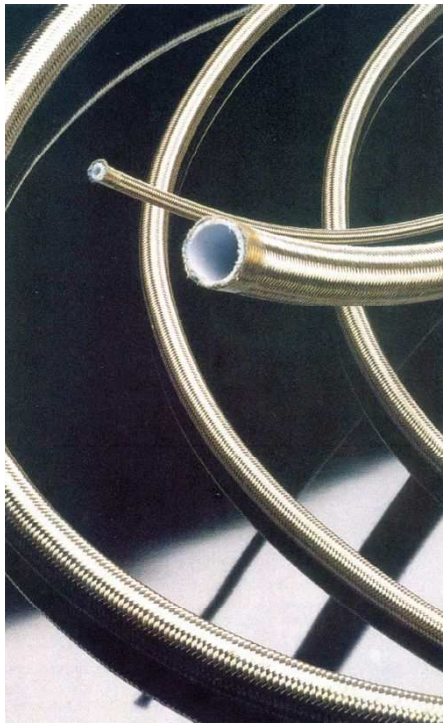
DN		Wall Thk	int.Ø	ext.Ø	Weight	Pressure 20°C KG/cm²		Min. Bend Radius
mm	inch	mm	mm	mm	gr/mt	exercise	burst	mm
5	3/16	0.7	4.8	7.4	69	200	800	35
6	1/4	0.7	6.35	8.9	87	175	700	45
8	5/16	0.7	8	10.9	126	150	600	50
9	3/8	0.7	9.5	12.4	145	135	540	55
10	13/32	0.7	10.35	13.3	158	130	520	65
13	1/2	0.7	12.7	15.7	212	120	480	70
16	5/9	0.9	16	19.1	260	110	440	130
20	3/4	0.9	19	22.2	321	90	360	190
22	7/8	0.9	22.2	25.7	355	70	280	250
25	1	1	25.4	29.3	450	65	260	270
29	1 1/8	1	28.6	32.5	525	55	220	300

FHM (Medium Wall)

DN		Wall Thk	int.Ø	ext.Ø	Weight	Pressure 20°C KG/cm²		Min. Bend Radius
mm	inch	mm	mm	mm	gr/mt	exercise	burst	mm
3	1/8	1	3.2	6.5	70	275	1100	25
5	3/16	1	4.8	7.8	83	200	800	35
6	1/4	1	6.35	9.4	104	175	700	45
8	5/16	1	8	11.3	141	150	600	50
9	3/8	1	9.5	12.8	166	135	540	55
10	13/32	1	10.35	13.7	184	140	520	65
13	1/2	1	12.7	16.2	244	120	480	70
16	5/8	1	16	19.5	300	110	440	130
20	3/4	1	19	22.6	367	90	360	190
22	7/8	1	22.2	26.2	409	70	280	250
25	1	1.1	25.4	29.7	503	65	260	270
29	1 1/8	1.1	28.6	33	585	55	200	300

FHH (Heavy Wall)

DN		Wall Thk	int.Ø	ext.Ø	Weight	Pressure 20°C KG/cm²		Min. Bend Radius
mm	inch	mm	mm	mm	mt	exercise	burst	mm
3	1/8	1.2	3.2	6.7	85	285	1150	80
5	3/16	1.2	4.8	8.6	105	248	990	70
6	1/4	1.2	6.35	9.9	126	200	800	100
8	5/16	1.2	8	12	172	170	880	120
9	3/8	1.2	9.5	13.4	207	160	640	130
10	13/32	1.2	10.35	14.3	223	145	580	140
13	1/2	1.2	12.7	16.7	293	130	520	160
16	5/8	1.3	16	20.1	360	120	480	190
20	3/4	1.3	19	23.4	423	95	380	230
22	7/8	1.3	22.2	26.7	510	75	300	260
25	1	1.4	25.4	30.3	640	70	280	310
29	1 1/8	1.4	28.6	33.8	723	60	275	400



Inner Tube : PTFE
Reinforcement : SUS304 braid

Application :
- Steam for ironing and cleaning
- Plastic moulding presses
- Coolant lines for canning machines
- Transport of corrosive chemical, food and pharmaceutical products
- Compressors discharge line
- Transport of air, oil and petrol in the car motorcycle and shipyard fields
- Air conditioning plants
- Automatic painting plants

Temperature : -60°C to +260°C (static -200°C)

CONVOLUTED PTFE HOSE BRAIDED AISI304

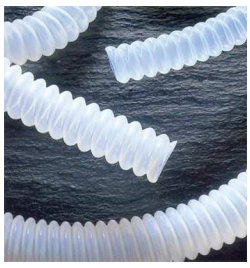


Type	DN	int.Ø (mm)		ext.Ø (mm)		Min. Bend Radius	Max Pressure	Burst Pressure
		Min	Max	Min	Max	(mm)	(bar)	(bar)
CLWB	3/8	10	11	15	16.2	20	130	520
CLWB	1/2	13	14	18	19	25	100	400
CLWB	5/8	16	17	22	23	50	80	320
CLWB	3/4	19.5	20.5	26	27.5	65	70	280
CLWB	7/8	22	23	28	29.5	75	60	240
CLWB	1	25.5	26.5	33	34.5	89	55	220
CLWB	1 1/4	31.5	32.5	38	39.4	110	55	220
CLWB	1 1/2	37.5	38.5	44.5	45.9	120	50	200
CLWB	2	50.5	51.5	57	58.4	110	40	160
CLWB	3	71.2	78.8	89.5	98.7	310	20	80
CLWB	4	95	105	120.7	131.25	380	15	60

Application :
- Plastic moulding presses
- Coolant lines for canning machines
- Coolant lines for gas and chlorine cilinders
- 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

CONVOLUTED PTFE TUBE



Type	DN	int.Ø (mm)	ext.Ø (mm)	Max Pressure (bar)	Burst Pressure (bar)
CLW	3/8	10	14.5	9	27
CLW	1/2	13	17.9	8	24
CLW	5/8	16	21.5	8	24
CLW	3/4	19	25.5	6	18
CLW	7/8	22	28.1	6	18
CLW	1	25.4	31.8	5	15
CLW	1 1/4	32	36.5	4	12
CLW	1 1/2	38.5	44	4	12
CLW	2	51	58	3	9

Application :
- Plastic moulding presses
- Coolant lines for canning machines
- Coolant lines for gas and chlorine cilinders
- 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

Tolerances on length : +3%, -1%

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-DP
Material : Aluminium
Stainless Steel



Camlock Part-E
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.

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.

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.

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%

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

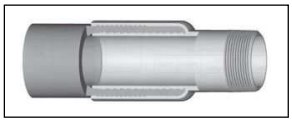
LOCAL ASSEMBLY, INSPECTION and CERTIFICATION, WARRANTY and REPAIR

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 for 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.



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 uses. We do not limit this service to only hoses bought from us. Hoses purchased from other suppliers are welcomed for this program.

TOZEN

A joint reliance

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