

Industrial ducting hoses

Fluid transfer solutions

Industrial ducting hoses

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 engineered solutions accelerate performance for customers in a sustainable way.



Trelleborg Coated Systems



Trelleborg Industrial Solutions



Trelleborg Offshore & Construction



Trelleborg Sealing Solutions



Trelleborg Wheel Systems

TRELLEBORG FLUID HANDLING SOLUTIONS

Trelleborg Fluid Handling Solutions is part of the business area Trelleborg Industrial Solutions.

With over 1,000 employees and a head office located in Clermont-Ferrand in France, Trelleborg Fluid Handling Solutions is a leading developer, manufacturer and supplier of low and medium pressure industrial hoses, Oil & Gas hoses, rubber sheeting and matting and expansion joints based on advanced polymer technology.

We provide the optimum high performance solutions for every situation with production sites in France, Spain, Sweden and Turkey.

Trelleborg Fluid Handling Solutions offer a very large range of competitive products, solutions and services that meet your needs and requirements for all types of applications.



Industrial hoses



Oil & Gas hoses

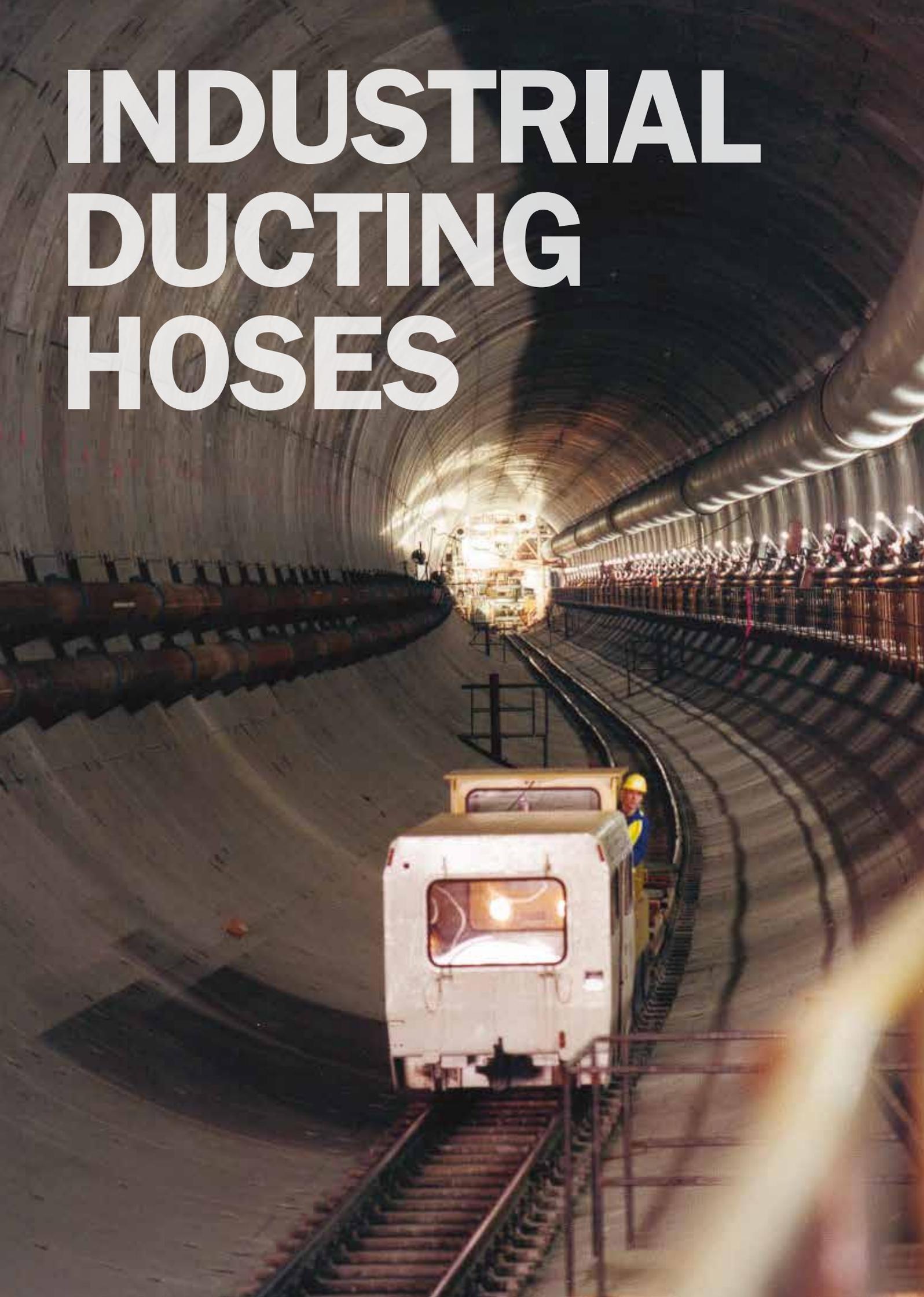


Expansion joints



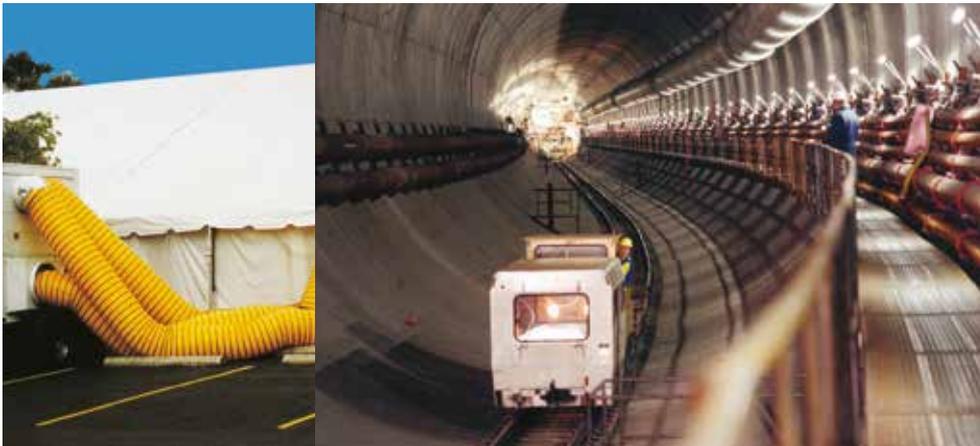
Rubber sheeting and matting

INDUSTRIAL DUCTING HOSES



Applications

Air conveyance



Through a wide range of dimensions, PVC ducting hoses are the most adapted solutions for all applications as ventilation, air handling, air conditioning and dust and fumes extraction.

Abrasive material handling

Our PU ducting hoses, with an excellent resistance for abrasion and high flexibility, are mainly recommended for all applications that need abrasive material resistance as conveyance of powders and granules in food industry, drugs in pharmaceutical laboratories, dust, sawdust, metal fillings in the general industry or wood chips in woodworking industry.



Special applications



TRELLEBORG can also supply a wide range of technical ducting hoses for special applications such as:

- Highly aggressive chemical air, gas and dust.
- Conveyance of air at extreme temperature up to + 650°C.
- Military appliances.

Air conveyance at moderate temperatures

Industrial ducting hoses - PVC

		WP (bar)	Max vacuum (bar)	Temp. (°C)	ID (from/to) (mm)	
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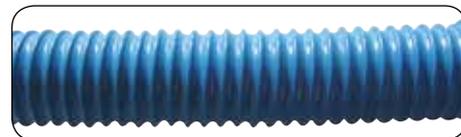
Industrial ducting hoses - PVC

KLEGAINE GCV	PVC	1.90 - 0.06	0.55 - 0.02	+ 80	20	500
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Good value for money, flexible and durable

Applications

- » Air handling and for the conveyance of fumes, dust, and moderately abrasive materials such as sawdust.



KLEGAINE GRV	PVC	2 - 0.30	0.63 - 0.12	+ 65	20	250
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Robust and flexible

Applications

- » Ventilation, dust and fume extraction.
- » Especially suitable for mobile applications: sanitary installations without pressure: mobile home, boat, caravanning, stand.
- » Cables conduit.



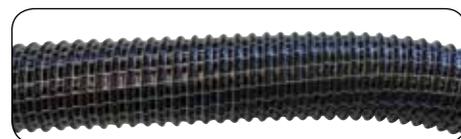
KLEGAINE GSV	PVC	1 - 0.79	0.9 - 0.46	+ 80	25	102
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Flexible and pleasant aspect

Applications

- » Many uses as air handling, dust and fumes.
- » Domestic and industrial vacuum cleaners.

Accessories: black PVC fitting can be screwed into the ducting (left hand pitch).



KLEGAINE GM1V	PVC-coated glass fibre cord	0.85 - 0.02	0.32 - 0.01	+ 85	51	508
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M1 fire resistance

Applications

- » Air conditioning, ventilation and fume extraction with flame resistant properties.



KLEGAINE GM1V-S	PVC-coated glass fibre cord	0.90 - 0.02	0.26 - 0.02	+ 100	30	500
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Cheap solution, M1 fire resistance

Applications

- » Ventilation of enclosed working places.
- » Fumes and hot particles.
- » Use when a risk of fire exists or when the french M1 standard is required.



KLEGAINE GLV	PVC-coated glass fibre cord	0.55 - 0.03	0.045 - 0.005	+ 95	125	1000
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Custom-made, M2 fire resistance

Applications

- » Used to convey air for aeration, ventilation and heating.
- » Hot air generator, navy, fire fighting, airports, etc.
- » Possible options for mining and tunneling.
- » Dog agility.



Carrier bag: PVC-coated polyester fibre cord.

M2 fire resistant, ID 200 to 800 mm.

Abrasive material and repeated bending

Industrial ducting hoses - Polyurethane (PUR)

WP (bar) Max vacuum (bar) Temp. (°C) ID (from/to) (mm)

Industrial ducting hoses - Polyurethane (PUR)

KLEGAINE GPU-FG	FDA 	Ether-base polyurethane	1.50 - 0.30	0.60 - 0.15	+ 80	20	250
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Food grade ducting, resistant to impacts

Applications

- ▶ Suction and conveyance of abrasive materials, powders and granules in food industry, drugs in pharmaceutical laboratories, etc.
- ▶ Industrial vacuum cleaners and floor care applications, lawn movers and rock wool projection.
- ▶ Wood working industries.
- ▶ Wire conduit for robotics, X-ray machines.
- ▶ "Electric equipotentiality" (GPU-FG/EC) option



KLEGAINE GPU-M		Ester-base polyurethane	1.65 - 0.04	0.40 - 0.01	+ 100	25	500
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Light and very flexible

Applications

- ▶ ASuction and conveyance of powders, abrasives particles, dust, sawdust, clips, textile fibers, metal filings.
- ▶ Industrial vacuum cleaners.
- ▶ Fume extraction in chemical and oil industries



KLEGAINE GPU-MS	FDA 	Ester-base polyurethane	1.70 - 0.15	0.60 - 0.08	+ 110	25	500
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Food grade ducting

Applications

- ▶ Conveyance of grains, granules, sawdust and wood chips, metal filings in humid and/or warm conditions.
- ▶ Street vacuum cleaners and lawn molders.
- ▶ "Flame retardant" (DIN 4102 B1) option.
- ▶ "Antistatic" option.



KLEGAINE GPU-S		Ester-base polyurethane	2.30 - 0.30	0.70 - 0.10	+ 100	40	300
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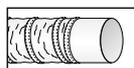
Outstanding resistance to abrasion and piercing

Applications

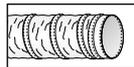
- ▶ Conveyance of highly abrasive materials such as metal filings, sand, gravel, ice, etc.
- ▶ Glass works, steel industry, mineral treatment, ports, cement works, big industrial vacuum cleaners



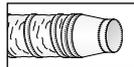
Klegaine GLV, GTLN and GTLS finish



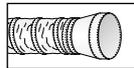
Standard cuff



Blank end



Reduction



Increase



Quick coupling



Coupling ring



Grommets for overhead suspension



Carrier bag

Various accessories



Conductive polyurethane coupling, to screw
For ID 38, 40, 50, 60, 70 mm.

Other diameters available on request.
Especially adapted for:

Klegaine GPU-FG, Klegaine GPU-FG EC, Klegaine GPU-S.



Coupling
From 80 to 250 mm.

Galvanized steel coupling.
Other diameters available on request.



U shape clamp
From 40 mm to 920 mm.

Especially adapted for:
Klegaine GM1V, Klegaine GHT 450, Klegaine GHT 650, Klegaine GHYP, Klegaine GHYP TEF.

Special applications: extreme temperatures, vibrations, chemical attacks, etc.

Industrial ducting hoses - Elastomer-coated fibre cord

		WP (bar)	Max vacuum (bar)	Temp. (°C)	ID (from/to) (mm)	
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Industrial ducting hoses - Polyurethane (PUR)

KLEGAINE GTPK	TPE-coated polyester cord	1.70 - 0.06	0.45 - 0.03	+ 130	25	500
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Gas proof

Applications

- » Conveyance of hot air, cooling engines (cool and pure air).
- » Conveyance of gas and fumes, exhaust of solvent fumes.



KLEGAINE GTNR	Neoprene-coated glass fibre cord	1.43 - 0.26	0.50 - 0.03	+ 150	12	305
KLEGAINE GTNR +		2.17 - 0.35	0.50 - 0.07	+ 150	12	203

Highly compressible to minimise storage, maximum flexibility

Applications

- » Conveyance of hot and cold air, fumes or light non-abrasive dust at low pressures.
- » Air intake to cool motors.



KLEGAINE GTLN	Neoprene-coated glass fibre cord	0.55 - 0.03	0.06 - 0.007	+ 120	125	1000
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Custom-made, M1 fire resistance

Applications

- » Conveyance of air and hot fumes, hot air generator: civil or military (NATO green option on request).

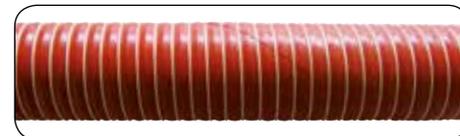


KLEGAINE GTSI	Silicone-coated glass fibre cord	1.43 - 0.49	0.50 - 0.07	+ 300	12	203
KLEGAINE GTSI +		2.17 - 0.35	0.50 - 0.07	+ 300	12	203

Excellent heat aging characteristics

Applications

- » Conveyance of air and fumes at extreme temperatures.
- » Air intake to cool motors.



KLEGAINE GTLS	Silicone-coated glass fibre cord	0.55 - 0.03	0.06 - 0.007	+ 300	125	1000
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Fire proof

Applications

- » Conveyance of air and fumes at extreme temperatures.
- » M0 fire resistance.



KLEGAINE GHT 450	Coated glass fibre cord	-	0.360 - 0.001	+ 450	50	1000
KLEGAINE GHT 650		-	0.360 - 0.001	+ 650	50	1000

Extreme temperatures

Applications

- » Conveyance of air at extreme temperatures in any industrial environment: iron and steel industry, industrial incinerators, etc.



KLEGAINE GHYP	Hypalon coated-polyester	0.85 - 0.02	0.40 - 0.001	+ 175	50	1000
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Chemical resistance

Applications

- » Ducting for chemical air, gas and dust in any industrial environment.



KLEGAINE GHYP TEF	Hypalon coated-polyester with conductive Teflon liner	0.85 - 0.02	0.40 - 0.001	+ 175	50	1000
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Chemical resistance, antistatic

Applications

- » Ducting for chemical air, gas and dust in any industrial environment, where electrical conductivity is mandatory.



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