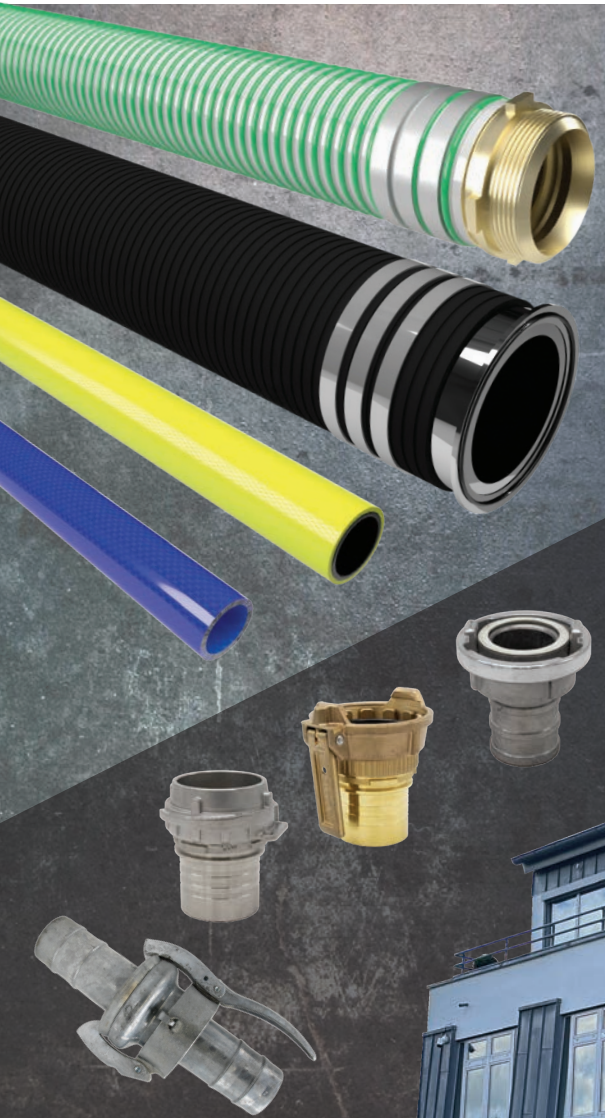




Frauenhof

Pure Quality. Pure Service. Pure Frauenhof.

Industrial- and Suction Hoses



Synthetic Spiral Hoses

Rubber Spiral Hoses

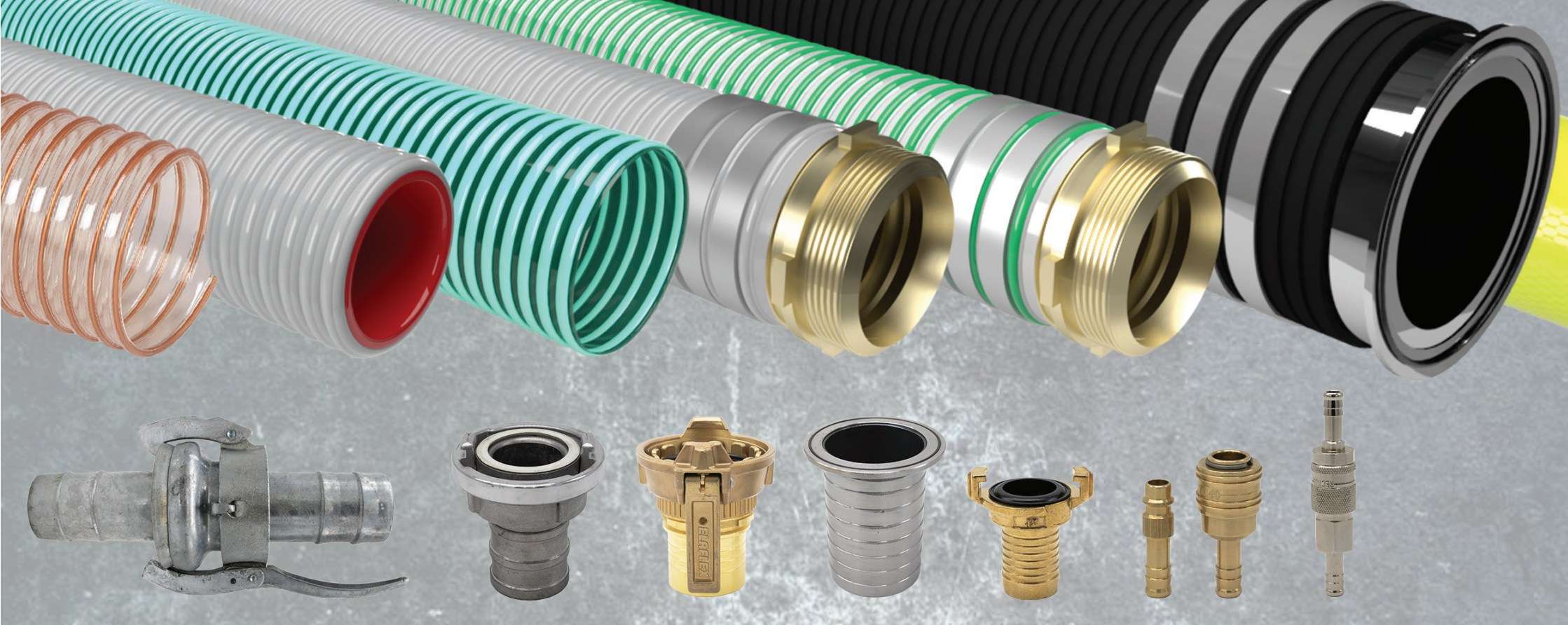
Water Hoses

Air Hoses

Fittings

Accessories



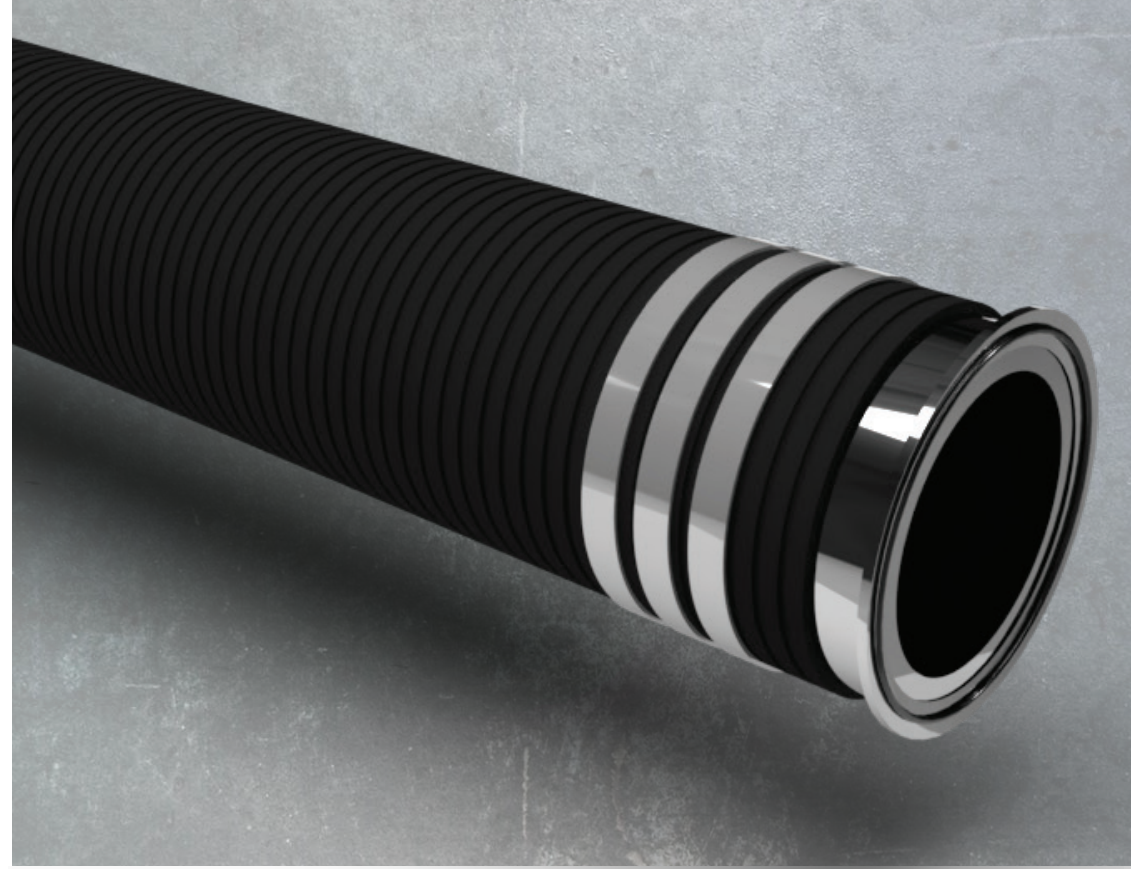


Industrial and Suction Hoses

When disposing liquid and nonliquid media, suction and pressure hoses need to meet high requirements. Hence, hose reliability is an absolute necessity for you and a surety in daily use. As our hoses need to pass the most diligent product selection process, they meet the highest quality standards in terms of wear resistance, abrasion resistance, shape stability, resistance to weather and durability. Depending on their application, these hoses must not only have a highly abrasion-resistant inner tube and an electrically conductive and wear-resistant cover but also ensure maximum flexibility and an optimal weight.

The combination of these features and the HF gland coupling system, that we helped to develop, is the reason why our hose lines for abrasive matter claim the position of quality leadership.

Relying on our constant dialogue with our customers, we have assembled an assortment that meets all the requirements stated above and is presented to you on the following pages.



Rubber Spiral Hoses

Construction Hose

Tank Truck Hose Superflex

Tank Truck Hose Oilflex

Chemical Hose UHMWPE

Succer

Suction Dredge Hose

Construction Hose



Scope of Application

For purposes of suction and transportation of process water and liquid manure.

Temperature Range:

- 30°C to +80°C

Construction

- Inner tube: SBR, black, smooth
- Outside cover: SBR, black, fabric-textured
- Insertion: with steel wire spiral

Article no.				Vacuum	
280414	50 mm	145 psi	435 psi	-11,6 psi	40 m
280415	75 mm	145 psi	435 psi	-11,6 psi	40 m
280416	90 mm	145 psi	435 psi	-11,6 psi	40 m
280417	100 mm	145 psi	435 psi	-11,6 psi	40 m
280418	125 mm	145 psi	435 psi	-11,6 psi	20 m
280419	150 mm	145 psi	435 psi	-11,6 psi	20 m

Tank Truck Hose Superflex (Ω/T)



Scope of Application

Custom-built suction and pressure hose, suitable for loading and unloading tank vehicles.

in case the media to be pumped is categorized into a higher group than IIA (IIB or IIC). Also suitable for critical, non-conductive chemicals, such as toluol.

Properties

- Highly flexible
- With low flexural force
- For mineral oil products with maximum aromatic content of 50%
- EN 12115
- Resistance through the wall ≤ 109 Ohm

Ω/T: Designed for the highest safety requirements, entire hose structure with conductive rubber mix, and 109 Ω through the wall. Suitable for explosive mixtures inside, for use in potentially explosive areas (i.e. hose line wholly or for the greater part in an Ex zone) and / or

Construction

- Inner tube: NBR, black, smooth
- Pressure carrier: synthetic textile fiber with concealed steel spiral and copper strand for electric conductivity
- Cover: NBR/SBR, black, fabric-textured, abrasion-resistant, antistatic ($R < 1$ M/m), mineral-oil resistant, fuel-resistant and weather-resistant

Temperature Range

- 25°C to +80°C, for oil up to 100°C

Article no.		Toleranz			Vacuum		
	19 mm	± 0,5	145 psi	580 psi	-13 psi	0,77 kg/m	60 mm
	25 mm	± 0,5	145 psi	580 psi	-13 psi	0,92 kg/m	75 mm
	32 mm	± 0,5	145 psi	580 psi	-13 psi	1,14 kg/m	100 mm
	38 mm	± 0,5	145 psi	580 psi	-13 psi	1,50 kg/m	120 mm
280418	50 mm	± 0,7	145 psi	580 psi	-13 psi	2,70 kg/m	150 mm
	63,5 mm	± 0,8	145 psi	580 psi	-13 psi	2,72 kg/m	190 mm
282095	75 mm	± 0,8	145 psi	580 psi	-13 psi	3,22 kg/m	225 mm
282096	100 mm	± 0,8	145 psi	580 psi	-13 psi	4,90 kg/m	300 mm

Tank Truck Hose Oilflex (Ω /T)



Scope of Application

The hose is suitable for suction and pressure conveying of mineral oil products and fats, particularly for emptying the tank wagon and tank truck.

Properties

- Corresponds to DIN2823 / EN12115 including the appendix which was erstwhile valid for Germany with regards to compliance with the maximum resistance through the wall of 109 Ohm 10 gigaohm
- Versatile use
- Suitable for insertions with maximum aromatic content of 50%
- High mechanical strength
- Convenient handling due to high pliability and low bend radii
- Perfectly smooth interior wall / fabric-textured, smooth exterior wall
- Behaves excellently towards aging, weather conditions, and ozone influence due to its coexisting abrasion-resistant and corrosion-resistant hose cover
- Electric conductivity $R < 106 \Omega 10$ megaohm

- Comes with two crossed copper strands
- Ω /T: Designed for the highest safety requirements, entire hose structure with conductive rubber mix, and 109 Ω through the wall. Suitable for explosive mixtures inside, for use in potentially explosive areas (i.e. hose line wholly or for the greater part in an Ex zone) and / or in case the media to be pumped is categorized into a higher group than IIA (IIB or IIC). Also suitable for critical, non-conductive chemicals, such as toluol.

Construction

- Inner tube: NBR, black, oil-resistant and fuel-resistant
- Casing: synthetic textile braid respectively textile cord insertion characterized by high tearing strength with inwrought spring steel spiral, copper strand
- Cover: NBR, conducting, flame-resistant according to TrbF 131-part 2 § 5.5

Temperature Range

- -25°C to +80°C

Article no.		Wall thickness	 kg				Vacuum	
	19 mm	6,0 mm	0,7 kg/m	125 mm	232 psi	928 psi	-13 psi	40m
	25 mm	6,0 mm	0,9 kg/m	150 mm	232 psi	928 psi	-13 psi	40m
	32 mm	6,0 mm	1,2 kg/m	175 mm	232 psi	928 psi	-13 psi	40m
	38 mm	6,5 mm	1,5 kg/m	225 mm	232 psi	928 psi	-13 psi	40m
280208	50 mm	8,0 mm	2,0 kg/m	300 mm	232 psi	928 psi	-13 psi	40m
280209	75 mm	8,0 mm	3,1 kg/m	450 mm	232 psi	928 psi	-13 psi	40m
280210	100 mm	8,0 mm	4,4 kg/m	600 mm	174 psi	696 psi	-13 psi	40m

Chemical Hose UHMWPE



Scope of application

For purposes of suction and pressure conveying of aggressive media, such as acids in higher concentration or hydrocarbons with a benzene percentage of up to 100%. Suitable for emptying tank trucks and tank wagons as well as the equipment of mobile and stationary facilities in the chemical industry.

Properties

- Corresponds to all the items of EN 12115
- Versatile use, suitability for most chemicals
- High mechanical strength
- Convenient handling due to high pliability and low bend radii
- Perfectly smooth interior wall, hence cleaning the hose is made simple when using vapor (up to 30 minutes

at a maximum at 130°C)

- Behaves excellently towards aging, weather conditions, and ozone influence due to its coexisting abrasion-resistant and corrosion-resistant hose cover
- Electric conductivity $R < 1 \text{ M}\Omega$

Construction

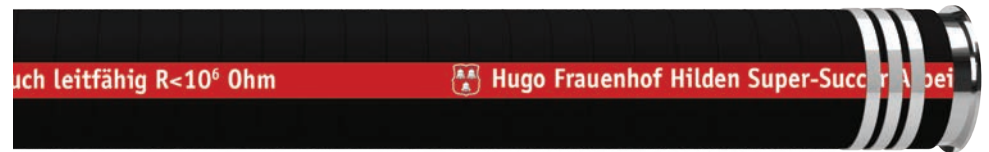
- Inner tube: ultra-high-molecular-weight polyethylene (UHMWPE), black, smooth
- Casing: synthetic textile braid respectively textile cord insertion characterized by high tearing strength with inwrought spirals made of spring steel wire, additionally two crossed copper strands

Temperature Range

- 40°C to +100°C

Article no.								Min. pressure
280463	25 mm	37 mm	0,9 kg/m	150 mm	232 psi	928 psi	40 m	-13 psi
280464	32 mm	44 mm	1,07 kg/m	175 mm	232 psi	928 psi	40 m	-13 psi
	38 mm	51 mm	1,32 kg/m	225 mm	232 psi	928 psi	40 m	-13 psi
280465	50 mm	66 mm	1,85 kg/m	275 mm	232 psi	928 psi	40 m	-13 psi
280466	75 mm	91 mm	3,23 kg/m	350 mm	232 psi	928 psi	40 m	-13 psi
280467	100 mm	116 mm	4,89 kg/m	500 mm	174 psi	696 psi	40 m	-13 psi

HF Super Succer Working Head Hose



Scope of Application

Suitable for the disposal of industrial plants as well as the pneumatic suction conveying of powdery respectively granular goods and liquid media, with the exception of A1 substances (e.g. acids, lyes, solvents or oils).

Properties

- Extremely flexible design with low minimum bend radii
- Extremely abrasion-resistant rubber mixture
- In addition to cover and inner tube, conducting via copper strand
- Good film strength due to ribbed hose cover
- Resistance $R < 1 \text{ M}\Omega$

- Standard lengths 5 respectively 20 m/ maximum manufacturing length 40 m
- 5 m lengths come with spiral-free muffs on both sides, partly with extension

Construction

- Inner tube: special natural rubber mixture, electrically conductive
- Insertions: fabric lining with inwrought steel spiral and copper strand
- Cover: NBR rubber, waved, electrically conductive

Temperature Range

- 20°C to +80°C, for a short time up to 100°C

Article no.			Wall thickness			Vacuum		
282384	80 mm	29 psi	8 mm	295 mm	92 mm	87 psi	2,2 kg/m	4,9 m
282392	80 mm	29 psi	8 mm	295 mm	92 mm	87 psi	2,2 kg/m	20 m
282389	102 mm	29 psi	8 mm	395 mm	118 mm	87 psi	3,6 kg/m	5 m
282391	102 mm	29 psi	8 mm	395 mm	118 mm	87 psi	3,6 kg/m	20 m
282386	127 mm	29 psi	8 mm	495 mm	143 mm	87 psi	4,4 kg/m	5 m
282400	127 mm	29 psi	8 mm	495 mm	143 mm	87 psi	4,4 kg/m	20 m
282385	152 mm	29 psi	8 mm	595 mm	168 mm	87 psi	4,8 kg/m	5 m
282390	152 mm	29 psi	8 mm	595 mm	168 mm	87 psi	4,8 kg/m	20 m
282387	204 mm	29 psi	8 mm	795 mm	220 mm	87 psi	6,9 kg/m	5 m

HF Super Succer Discharge Hose



Scope of Application

Suitable for disposal of damp and above all dry abrasive media for purposes of equipping mobile and stationary industrial cleaners and suction systems. Suitable for disposal of granular goods and application at station wagon in dry areas. For the most part, the hose is combined with our patented HFH gland coupling system.

Properties

- Electrically conductive thanks to integrated copper strand and conductive inner soul and cover (resistance $R < 1$ megaohm)
- Vacuum-tight up to 9 mH₂O
- Great mobility and comfortable handling due to the square ribbed reflex design or waved design
- Highly abrasion-resistant due to the hose core characterized by a conductive special rubber mixture and by particular thickness
- Great buckling resistance

Construction

- Inner tube: highly abrasion-resistant, extra thick (4mm) inner-liner, black, electrically conductive
- Insertions: reinforced steel wire spiral and fabric insertions
- Cover: rubber material 2 mm strong with additional fabric reinforcement, cord ribbed or waved, conductive

Temperature Range

- -20°C to +80°C, for a short time up to 100°C

Available in variable lengths up to 40 m, with or without spiral-free muff and without extension. The standard length of 5 m comes with spiral-free muffs on both sides with extension, enabling the transportation of goods with minimum turbulence.

Greek Corrugated



Article no.	Dimension		Design	
281638	DN 50 x 5	29 psi	Greek Corrugated	4,9 m
281655	DN 50 x 5	29 psi	Greek Corrugated	10 m
281656	DN 50 x 5	29 psi	Greek Corrugated	20 m
281639	DN 80 x 6	29 psi	Greek Corrugated	4,9 m
281657	DN 80 x 6	29 psi	Greek Corrugated	10 m
281658	DN 80 x 6	29 psi	Greek Corrugated	20 m
281640	DN 100 x 8	29 psi	Greek Corrugated	4,9 m
281659	DN 100 x 8	29 psi	Greek Corrugated	10 m
281660	DN 100 x 8	29 psi	Greek Corrugated	20 m
281641	DN 127 x 8	29 psi	Greek Corrugated	4,9 m
281661	DN 127 x 8	29 psi	Greek Corrugated	10 m
281662	DN 127 x 8	29 psi	Greek Corrugated	20 m
281642	DN 150 x 8	29 psi	Greek Corrugated	4,9 m
281663	DN 150 x 8	29 psi	Greek Corrugated	20 m
281643	DN 200 x 10	29 psi	Greek Corrugated	4,9 m

Corrugated



Article no.	Dimension		Design	
281644	DN 50 x 5	29 psi	Corrugated	4,9 m
281664	DN 50 x 5	29 psi	Corrugated	10 m
281665	DN 50 x 5	29 psi	Corrugated	20 m
281645	DN 80 x 6	29 psi	Corrugated	4,9 m
281666	DN 80 x 6	29 psi	Corrugated	10 m
281667	DN 80 x 6	29 psi	Corrugated	20 m
281646	DN 100 x 8	29 psi	Corrugated	4,9 m
281668	DN 100 x 8	29 psi	Corrugated	10 m
281669	DN 100 x 8	29 psi	Corrugated	20 m
281647	DN 127 x 8	29 psi	Corrugated	4,9 m
281670	DN 127 x 8	29 psi	Corrugated	10 m
281671	DN 127 x 8	29 psi	Corrugated	20 m
281648	DN 150 x 8	29 psi	Corrugated	4,9 m
281672	DN 150 x 8	29 psi	Corrugated	20 m
281649	DN 200 x 10	29 psi	Corrugated	4,9 m

ULTRA-HIGH PRESSURE TECHNOLOGY

- Thermoplastic High-Pressure Hoses
- Rubber High-Pressure Hoses
- Adapters & Connectors
- Waterjet Protection
- Accessories

INDUSTRIAL AND SUCTION HOSES

- Suction and Pressure Hoses
- Tank Truck and Chemical Hoses
- Flat Hoses
 - Air Conveyor System Hoses
 - Fittings

SERVICE & MAINTENANCE

SEWER CLEANING

- Sewer Cleaning Hoses
- Cassette Boom Hoses
- Nozzles
- Sewer Cleaning Accessories

SEWER REHABILITATION

- Resins
- Glass Fiber Material
- Inversion lining systems and equipments
- Rehabilitation Packer
- Pipe and Test Sealing Cushions
- Accessories

PERSONAL PROTECTIVE EQUIPMENT (PPA)

- Protective Clothing
- Workplace Safety
- Barriers/Construction Site Safety
- Respiratory Protection
- Gas Detection/Self-Rescue
- Entry Safety Devices
- Lamps

