

Trelleborg OSD catalogue 2014

OSD Catalogue

Trelleborg Hose and Assemblies

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www.trelleborg.com/industrialhose

TRELLEBORG FLUID HANDLING SOLUTIONS



Hoses & Assemblies

Introduction

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RED WATER

INDUSTRIAL MAINTENANCE

Water/Cleaning and wash-down



Applications

Water discharge under pressure on industrial or urban sites.

Advantages

- Sturdy hose.
- Good resistance to abrasion thanks to wall thickness.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, red, smooth for ID ≤ 25 mm, fabric impression for ID > 25 mm.

Temperature range: - 25 °C to + 70 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.0	4	21	10	30	78	0.36	40	
16.0	4	24	10	30	96	0.43	20 - 40	
19.0	4.5	28	10	30	115	0.56	20 - 40	
25.0	5	35	10	30	150	0.80	20 - 40	
32.0	5.5	43	10	30	200	0.90	40	
38.0	6	50	10	30	210	1.00	40	
45.0	6.5	58	10	30	330	1.35	40	
51.0	7	65	10	30	400	1.60	40	
57.0	7	71	10	30	570	1.65	40	
63.0	7	77	10	30	630	1.75	40	
76.0	8	92	10	30	750	2.00	40	
89.0	8	105	10	30	900	2.25	40	
100.0	8	116	10	30	1000	3.20	40	
114.0	8	130	10	30	1200	3.33	40	
127.0	8.5	144	10	30	1300	3.92	40	
152.0	9	170	10	30	1600	4.93	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG

RED WATER

TRELLEBORG

CASCADE

INDUSTRIAL MAINTENANCE

Water/Cleaning and wash-down



Applications

Water discharge under pressure on industrial or urban sites and all water discharge applications in building and public works.

Advantages

- Extremely resistant to ageing and atmospheric conditions.
- Highly flexible and easy-to-hold due to the fluted cover.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, green, fluted.

Temperature range: - 30 °C to + 70 °C.

Standard/Approval: in compliance with NF EN ISO 1403 type 2 (except branding).

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
12.7	± 0.6	4.0	20.7	± 0.7	10	30	70	0.28	40	
15.8	± 0.7	4.1	24.0	± 0.8	10	30	80	0.34	20 - 40 - 80	
19.4	± 0.7	4.5	28.4	± 0.8	10	30	120	0.45	20 - 40 - 80	
25.4	± 1.0	4.8	35.0	± 1.1	10	30	150	0.60	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

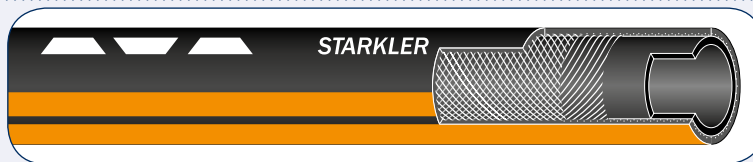
TRELLEBORG

CASCADE made in France

STARKLER

INDUSTRIAL MAINTENANCE

Water/Discharge applications



Applications

A versatile hose for high pressure cleaning operations and general discharge service using hot or cold water and many other fluids (see chemical resistance table for EPDM). Suitable for all sectors: building and public works, industry, agriculture, etc.

Advantages

- Extremely resistant to ageing and atmospheric conditions.
- Wide range of operating temperatures (-30 °C to +100 °C).
- Wide range of diameters.
- Excellent mechanical properties.
- Resistant to many fluids.

- Attractive, well-finished appearance.
- Long service life.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, black, smooth for ID 12.7 to 25.4 mm, fabric impression for ID 30 to 100 mm.

Temperature range: -30 °C to +100 °C.

Standard/Approval: in compliance with NF EN ISO 1403 type 2 (except branding).

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
12.7 ± 0.6	4.00	20.7 ± 0.7	20	60	55	0.27	20 - 40 - 80	
15.8 ± 0.7	4.10	24.0 ± 0.8	20	60	70	0.33	20 - 40 - 80	
19.4 ± 0.7	4.50	28.4 ± 0.8	20	60	85	0.43	20 - 40 - 80	
25.4 ± 1.0	4.80	35.0 ± 1.1	20	60	100	0.58	20 - 40 - 80	
30.0 ± 1.0	4.25	39.0 ± 1.0	10	30	240	0.72	20 - 40	
32.0 ± 1.0	4.25	41.0 ± 1.0	10	30	260	0.77	20 - 40	
35.0 ± 1.0	4.25	44.0 ± 1.0	10	30	280	0.83	20 - 40	
38.0 ± 1.0	4.25	47.0 ± 1.0	10	30	310	0.89	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding ID 12.7 to 25.4 mm:



and:



Branding ID 30 to 38 mm:



COLORADO S

INDUSTRIAL MAINTENANCE

Water/Discharge applications



Applications

Water discharge for all types of industrial and agricultural medium pressure applications in harsh environments.

Advantages

- Extremely resistant to ageing and atmospheric conditions.
- Coils flat for easy storage and handling.
- A robust construction to resist impact, kinking, and abrasion.
- For fluids up to 100 °C.
- Wide range of diameters.

Technical description

Inner tube: EPDM, white, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, orange, fabric impression.

Temperature range: -30 °C to +100 °C.

Standard/Approval: in compliance with NF EN ISO 1403 type 1 (except branding).

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
40.0	4.25 ± 0.75	49.0 ± 1.0	10	28	320	0.91	20 - 40	
45.0	4.25 ± 0.75	54.0 ± 1.0	10	28	360	1.01	20 - 40	
50.0	4.25 ± 0.75	60.0 ± 1.0	10	28	500	1.26	20 - 40	
60.0	4.25 ± 0.75	70.0 ± 1.5	10	28	600	1.51	20 - 40	
65.0	4.25 ± 0.75	76.5 ± 1.5	10	28	650	1.80	20 - 40	
70.0	5.75 ± 1.00	81.5 ± 1.5	10	28	700	2.01	20 - 40	
75.0	5.75 ± 1.00	86.5 ± 1.5	10	28	750	2.15	20 - 40	
80.0	5.75 ± 1.00	92.0 ± 1.5	10	28	850	2.43	20 - 40	
89.0	5.75 ± 1.00	101.0 ± 1.5	10	28	900	2.71	20 - 40	
100.0	5.75 ± 1.00	112.0 ± 1.5	10	28	1000	3.00	20	
110.0	5.75 ± 1.00	121.5 ± 2.0	5	13	1100	3.14	10	
120.0	5.75 ± 1.00	131.5 ± 2.0	5	13	1200	3.41	10	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



AQUAKLER 15

INDUSTRIAL MAINTENANCE

Water/Discharge applications



Applications

Supply lines to irrigation equipment, connecting lines between hose reels and irrigation hydrant (5 to 10 m lengths) and water discharge hose for building and public works.

Advantages

- Flexible, easy-to-handle, lightweight hose yet able to withstand high operating pressures.
- Coils flat for easy storage and handling.
- Natural rubber based compound combines optimum mechanical properties with resistance to wear, abrasion, and weather.

Technical description

Inner tube: SBR/NR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR/NR, black, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Complementary information

Diameters 204 and 254 mm are flat hoses.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
40.0	4.50	± 0.50	49.5	± 1.00	15	45	400	1.00	20	
50.0	4.50	± 0.50	59.5	± 1.00	15	45	500	1.10	20 - 40	
60.0	4.50	± 0.50	69.5	± 1.00	15	45	600	1.31	20 - 40	
70.0	4.50	± 0.50	79.5	± 1.00	15	45	700	1.52	20 - 40	
75.0	5.00	± 0.75	85.5	± 1.50	15	45	750	1.79	20 - 40	
80.0	5.00	± 0.75	90.5	± 1.50	15	45	800	1.91	20 - 40	
89.0	4.75	± 0.75	99.0	± 1.50	15	45	890	2.10	20 - 40	
100.0	4.75	± 0.75	110.0	± 1.50	15	45	1000	2.37	20 - 40	
110.0	5.75	± 1.00	122.0	± 2.00	12	36	1320	2.71	20	
120.0	6.25	± 1.00	133.0	± 2.00	12	36	1440	3.18	10	
125.0	6.25	± 1.00	138.0	± 2.00	12	36	1500	3.31	20	
150.0	6.25	± 1.00	163.0	± 2.00	12	36	1800	3.93	10 - 20 - 40	
204.0	5.50	± 1.00	215.0	± 2.00	8	26	3100	4.20	10 - 20 - 30 - 40	
254.0	6.00	± 1.00	266.0	± 2.00	8	26	3800	5.60	10 - 20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



AP Blue

INDUSTRIAL MAINTENANCE

Water/Discharge applications



Applications

Water discharge.

Advantages

- Coils flat for easy storage and handling.
- Light weight.
- Long length.
- Wide range of diameters.

Technical description

Inner tube: PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: PVC, blue, smooth.

Temperature range: - 10 °C to + 40 °C.

Complementary information

Working pressure and bursting pressure mentioned are valid at + 20 °C.

ID mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
19.0	13	39	0.17	50	
25.0	12	36	0.23	50	
32.0	10	30	0.25	50 - 100	
35.0	8	24	0.29	50 - 100	
41.0	8	24	0.32	50 - 100	
45.0	8	24	0.35	50	
50.0	8	24	0.41	50 - 100	
63.0	8	24	0.58	50 - 100	
70.0	8	24	0.62	50 - 100	
75.0	8	24	0.70	50 - 100	
100.0	8	24	1.05	50 - 100	
150.0	4	12	1.60	50 - 100	
200.0	3	9	2.40	50 - 100	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

AP Red

INDUSTRIAL MAINTENANCE

Water/Discharge applications



Applications

Water discharge for heavy duty applications.

Advantages

- Coils flat for easy storage and handling.
- Light weight.
- Long length.
- High bursting pressure.
- Wide range of diameters.

Technical description

Inner tube: PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: PVC, red, smooth.

Temperature range: - 10 °C to + 40 °C.

Complementary information

Working pressure and bursting pressure mentioned are valid at + 20 °C.

ID mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
35.0	16	48	0.41	50 - 100	
41.0	16	48	0.51	50 - 100	
45.0	16	48	0.55	50 - 100	
50.0	16	48	0.60	50 - 100	
63.0	16	48	0.84	50 - 100	
70.0	14	42	0.95	50 - 100	
90.0	12	36	1.15	50 - 100	
100.0	11	33	1.40	50 - 100	
150.0	7	21	2.50	50 - 100	

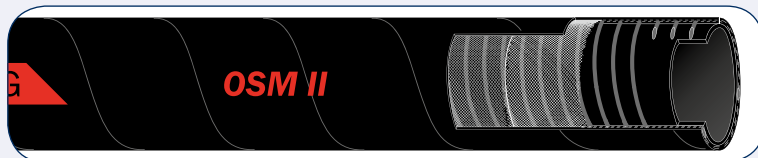
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

OSM II

INDUSTRIAL MAINTENANCE

Water/Suction applications



Applications

Suction and discharge of domestic water, industrial water, sea water and effluents.

Advantages

- Can be supplied cut to length as required.
- Very good resistance to crushing.
- Triple parallel helices in the hose gives it a softer construction for easier fit with different types of couplings.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile, cords, with embedded PET helix for ID < 70 mm and with embedded steel helix for ID from 89 to 100 mm.

Cover: SBR, black, fabric impression.

Temperature range: - 30 °C to + 60 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
20.0	5.25 ± 0.75	31.0 ± 1.0	5	15	0.8	70	0.515	20 - 40	
25.0	5.25 ± 0.75	36.0 ± 1.0	5	15	0.8	90	0.643	20 - 40	
30.0	5.25 ± 0.75	41.0 ± 1.0	5	15	0.8	105	0.726	20 - 40	
35.0	5.25 ± 0.75	46.0 ± 1.0	5	15	0.8	120	0.847	20 - 40	
40.0	5.25 ± 0.75	51.0 ± 1.0	5	15	0.8	140	0.950	20 - 40	
45.0	6.25 ± 0.75	58.0 ± 1.0	5	15	0.8	160	1.298	20 - 40	
50.0	6.25 ± 0.75	63.0 ± 1.0	5	15	0.8	175	1.411	20 - 40	
55.0	6.25 ± 0.75	68.0 ± 1.0	5	15	0.8	195	1.551	20 - 40	
60.0	7.75 ± 0.75	76.0 ± 1.0	5	15	0.8	210	1.953	20 - 40	
65.0	7.75 ± 1.00	81.0 ± 1.5	5	15	0.8	230	2.145	20 - 40	
70.0	8.25 ± 1.00	87.0 ± 1.5	5	15	0.8	250	2.498	20 - 40	
89.0	6.25 ± 1.00	102.0 ± 1.5	5	15	0.8	320	3.009	20 - 40	
100.0	6.25 ± 1.00	113.0 ± 1.5	5	15	0.8	500	3.333	20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

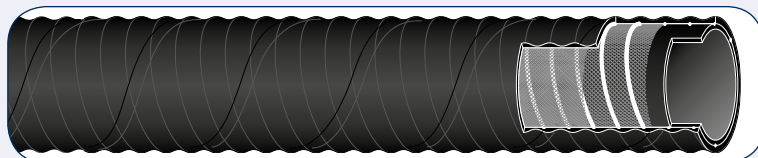
Branding:



OSS IV

INDUSTRIAL MAINTENANCE

Water/Suction applications



Applications

For suction and discharge of domestic water, industrial water, effluents, slurry and liquid manure (with cuffed ends).

Advantages

- Wide range of diameters to suit pumps in all fields of industry (diameters up to 350 mm can be supplied on request).
- Wide range of standard lengths available in most diameters.
- Excellent flexibility.

Technical description

Inner tube: NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: NR, black, fabric impression, corrugated.

Temperature range: - 30 °C to + 60 °C.

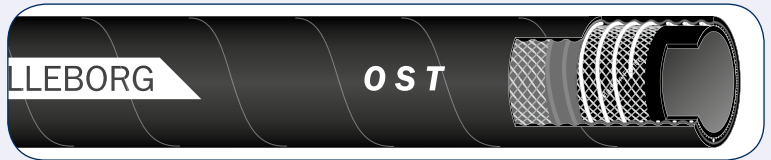
Complementary information

Other lengths and diameters up to 350 mm available on request.
Packaged in straight lengths or coils, according to hose diameter.
No wrapping.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	5.9	36.8 ± 1.5	5	15	0.8	75	0.72	2 - 3 - 4 - 5 - 6	
30.0	5.9	41.8 ± 1.5	5	15	0.8	90	0.83	2 - 3 - 4 - 5 - 6 - 10	
35.0	6.3	47.6 ± 1.5	5	15	0.8	105	1.07	2 - 3 - 4 - 5 - 6	
40.0	6.3	52.6 ± 1.5	5	15	0.8	120	1.19	2 - 3 - 4 - 5 - 6 - 10	
45.0	6.3	57.6 ± 1.5	5	15	0.8	135	1.31	2 - 3 - 4 - 5 - 6	
50.0	6.3	62.6 ± 1.5	5	15	0.8	150	1.43	2 - 3 - 4 - 5 - 6 - 10	
55.0	6.3	67.6 ± 1.5	5	12	0.8	220	1.55	2 - 3 - 4 - 5 - 6	
60.0	6.7	73.4 ± 1.5	4	12	0.8	240	1.75	2 - 3 - 4 - 5 - 6 - 10 - 20	
65.0	6.7	78.4 ± 1.5	4	12	0.8	260	1.87	2 - 3 - 4 - 5 - 6	
70.0	6.7	83.4 ± 1.5	4	12	0.8	280	1.99	2 - 3 - 4 - 5 - 6 - 10	
75.0	6.7	88.4 ± 1.5	4	12	0.8	300	2.12	2 - 3 - 4 - 5 - 6	
80.0	6.9	93.8 ± 1.5	4	12	0.8	320	2.21	2 - 3 - 4 - 5 - 6 - 10	
90.0	6.9	103.8 ± 1.5	4	12	0.8	360	2.45	2 - 3 - 4 - 5 - 6 - 10	
100.0	6.9	113.8 ± 1.5	4	12	0.8	400	2.70	2 - 3 - 4 - 5 - 6 - 10	
110.0	7.9	125.8 ± 2.0	3	9	0.8	550	3.44	2 - 3 - 4 - 5	
120.0	8.9	137.8 ± 2.0	3	9	0.8	600	4.26	2 - 3 - 4 - 5	
125.0	9.9	144.8 ± 2.0	4	12	0.8	750	5.05	2 - 3 - 4 - 5	
150.0	9.9	169.8 ± 2.0	4	12	0.8	900	5.98	2 - 3 - 4 - 5	
200.0	15.5	231.0 ± 2.0	5	15	0.5	2000	3.75	4 - 5	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.



Applications

For suction and discharge of domestic water, industrial water, effluents, slurry and liquid manure.

Advantages

- Wide range of diameters to suit pumps in all fields of industry.
- Excellent flexibility.
- Constant working pressure of 10 bar throughout the range.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: SBR, black, fabric impression.

Temperature range: - 30 °C to + 60 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	4.75 ± 0.75	35.0 ± 1.00	10	30	0.9	75	0.77	20 - 40	
28.0	4.75 ± 0.75	38.0 ± 1.00	10	30	0.9	85	0.83	20 - 40	
30.0	4.75 ± 0.75	40.0 ± 1.00	10	30	0.9	90	0.86	20 - 40	
32.0	4.75 ± 0.75	42.0 ± 1.00	10	30	0.9	95	0.91	20 - 40	
35.0	4.75 ± 0.75	45.0 ± 1.00	10	30	0.9	105	0.96	20 - 40	
38.0	4.75 ± 0.75	48.0 ± 1.00	10	30	0.9	115	1.04	20 - 40	
40.0	4.75 ± 0.75	50.0 ± 1.00	10	30	0.9	160	1.06	20 - 40	
43.0	4.75 ± 0.75	53.0 ± 1.00	10	30	0.9	170	1.15	20 - 40	
45.0	4.75 ± 0.75	55.0 ± 1.00	10	30	0.9	180	1.18	20 - 40	
50.0	5.25 ± 1.00	61.0 ± 1.50	10	30	0.9	200	1.61	20 - 40	
53.0	5.25 ± 1.00	64.0 ± 1.50	10	30	0.9	210	1.68	20 - 40	
55.0	5.25 ± 1.00	66.0 ± 1.50	10	30	0.9	220	1.74	20 - 40	
60.0	5.25 ± 1.00	71.0 ± 1.50	10	30	0.9	240	1.84	20 - 40	
63.0	5.75 ± 1.00	75.0 ± 1.50	10	30	0.9	250	1.91	20 - 40	
65.0	5.75 ± 1.00	77.0 ± 1.50	10	30	0.9	290	1.97	20 - 40	
68.0	5.75 ± 1.00	80.0 ± 1.50	10	30	0.9	305	2.22	20 - 40	
70.0	5.75 ± 1.00	82.0 ± 1.50	10	30	0.9	315	2.30	20 - 40	
75.0	5.75 ± 1.00	87.0 ± 1.50	10	30	0.9	335	2.44	20 - 40	
80.0	6.25 ± 1.00	93.0 ± 1.50	10	30	0.9	400	2.78	20 - 40	
89.0	6.25 ± 1.00	102.0 ± 1.50	10	30	0.9	445	3.06	20 - 40	
100.0	6.50 ± 1.00	113.5 ± 1.50	10	30	0.9	500	3.44	20 - 40	
127.0	7.00 ± 1.00	141.0 ± 2.00	10	30	0.9	650	5.46	20 - 40	
152.0	7.00 ± 1.00	166.0 ± 2.00	10	30	0.9	800	6.55	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



OST EPDM 16 bar

INDUSTRIAL MAINTENANCE

Water/Suction applications



Applications

For suction and discharge of domestic water, industrial water, effluents, slurry and liquid manure.

Advantages

- Wide range of diameters to suit pumps in all fields of industry.
- Excellent flexibility.
- Constant working pressure of 16 bar throughout the range.
- High resistance to temperatures, conductive and abrasion resistant tube.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: EPDM, black, fabric impression.

Temperature range: - 40 °C to + 120 °C.

Electrical properties: conductive tube, $R < 10^4 \Omega/m$.

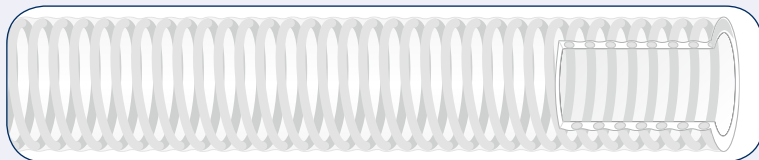
Special properties: abrasion ISO 4649: 100 mm³ max.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25.4	35.0	16	48	0.9	100	0.62	40	
32.0	41.5	16	48	0.9	125	0.76	40	
38.0	49.0	16	48	0.9	150	1.13	40	
50.8	62.0	16	48	0.9	250	1.49	40	
63.5	77.0	16	48	0.9	325	2.19	40	
76.2	90.5	16	48	0.9	400	2.85	40	
101.6	117.0	16	48	0.9	500	4.04	40	
152.4	172.0	16	48	0.9	910	7.81	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:





Applications

Suction and discharge of water, food products (except fat dairy products), spray solutions, sand, waste water, and chemical products (see chemical resistance table for PVC).

Advantages

- Smooth bore.
- Can be supplied cut to length as required.
- Wide range of diameters.
- Food quality compliant with the European directive.

Technical description

Inner tube: PVC, transparent, smooth.

Helix: PVC, grey.

Cover: PVC, transparent, corrugated.

Temperature range: -10 °C to +60 °C.

Standard/Approval: complies with European directive 2007/19/EC for the transfer of non-fatty food and various alcohol.

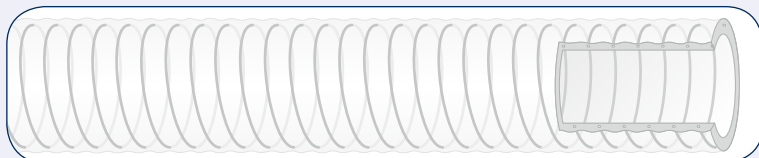
Complementary information

All technical data is valid at +20 °C.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes	
mm	mm	mm	bar	bar	bar	mm	kg/m	m		
20.0	± 1.0	3.0	-0/+ 0.3	26.0	6.5	16	0.8	110	0.25	25 - 50
25.0	± 1.0	3.0	-0/+ 0.3	31.0	6.5	16	0.8	125	0.35	25 - 50
30.0	± 1.0	3.0	-0/+ 0.3	36.0	6.0	14	0.8	135	0.40	25 - 50
32.0	± 1.0	3.0	-0/+ 0.3	38.0	6.0	14	0.8	140	0.45	25 - 50
35.0	± 1.0	3.0	-0/+ 0.3	41.0	6.0	14	0.8	140	0.50	25 - 50
38.0	± 1.0	3.0	-0/+ 0.3	44.0	6.0	14	0.8	140	0.52	25 - 50
40.0	± 1.0	2.5	-0/+ 0.3	45.0	5.5	13	0.8	160	0.54	25 - 50
45.0	± 1.0	3.5	-0/+ 0.3	52.0	5.5	13	0.8	158	0.64	25 - 50
50.0	± 1.0	3.5	-0/+ 0.3	57.0	5.5	13	0.8	175	0.76	25 - 50
51.0	± 1.0	3.5	-0/+ 0.3	58.0	5.5	13	0.8	175	0.78	25 - 50
55.0	± 1.0	3.5	-0/+ 0.3	62.0	5.5	13	0.8	165	0.86	25 - 50
60.0	± 1.0	3.5	-0/+ 0.3	67.0	4.0	10	0.8	180	0.90	25 - 50
63.0	± 1.0	3.5	-0/+ 0.3	70.0	4.0	10	0.8	180	1.00	25
70.0	± 1.0	3.5	-0/+ 0.3	77.0	3.0	7	0.8	210	1.13	25
75.0	± 1.0	4.0	-0/+ 0.3	83.0	3.0	7	0.8	188	1.27	25
76.0	± 1.0	4.0	-0/+ 0.3	84.0	3.0	7	0.8	188	1.31	25 - 50
80.0	± 1.5	4.5	-0/+ 0.3	89.0	3.0	7	0.8	240	1.45	25
90.0	± 1.5	5.5	-0/+ 0.3	101.0	3.0	7	0.8	270	1.85	25
100.0	± 1.5	6.0	-0/+ 0.3	112.0	3.0	7	0.8	300	2.00	25
102.0	± 1.5	6.0	-0/+ 0.3	114.0	3.0	7	0.8	300	2.10	25
110.0	± 1.5	6.0	-0/+ 0.3	122.0	2.5	6	0.8	330	2.50	25
120.0	± 1.5	6.0	-0/+ 0.3	132.0	2.0	4.5	0.8	420	2.80	25

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.



Applications

Suction and discharge of various liquids and medium abrasive solids in general industries.

Agricultural use for seed sowing, drainage, sewage, and water transport.

Also used by fire brigades and on plant equipment (for ground water pumping).

Advantages

- Transparent suction and discharge PVC-hose with high tensile steel helix.
- Smooth bore.
- Maximum strength.
- Minimum bending radius without restricting flow.
- Excellent resistance to pressure, full vacuum and accidental crushing.
- Chemical resistant.
- Foodstuffs quality PVC (IANESCO approved), discharge of alcohol up to 18 ° max.

Technical description

Inner tube: foodstuffs quality PVC, transparent, smooth.

Helix: high tensile steel.

Cover: PVC, transparent, light corrugated.

Temperature range: -5 °C to +50 °C.

Electrical properties: non conductive.

Complementary information

All technical data is valid at +20 °C.

Bursting pressure = 2.5 working pressure at 20 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
12.0	± 1.0	3.00	18.0	8	20.0	0.85	36	0.18	60
16.0	± 1.0	3.00	22.0	8	20.0	0.85	48	0.23	60
20.0	± 1.0	3.75	27.5	7	17.5	0.90	76	0.35	60
25.0	± 1.0	4.50	34.0	6	15.0	0.90	85	0.51	60
32.0	± 1.0	4.75	41.5	5	12.5	0.90	120	0.71	60
40.0	± 1.0	5.25	50.5	5	12.5	0.90	135	1.00	30
50.0	± 1.0	5.00	60.0	5	12.5	0.90	120	1.30	30
51.0	± 1.0	5.75	62.5	5	12.5	0.90	150	1.37	30
60.0	± 1.0	6.00	72.0	5	12.5	0.85	195	1.66	30
76.0	± 1.5	6.25	88.5	5	12.5	0.85	305	2.30	30
80.0	± 1.5	6.25	92.5	5	12.5	0.85	305	2.45	30
90.0	± 1.5	6.25	102.5	4	10.0	0.85	330	2.75	30
100.0	± 1.5	6.25	112.5	3	7.5	0.85	345	3.34	30
102.0	± 1.5	7.00	116.0	3	7.5	0.80	350	3.50	30
105.0	± 1.5	8.00	121.0	3	7.5	0.80	360	3.70	30
120.0	± 1.5	6.75	133.5	3	7.5	0.80	385	4.20	20
150.0	± 1.5	8.25	166.5	2	5.0	0.80	415	6.00	20

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.



Applications

Used as a cable cooling hose and as an industrial cooling hose for smelting furnaces at steel works, glass works, foundries, etc.
Also for work sites having high temperatures or for applications requiring an electrically insulated hose.

Advantages

- Withstands steel splashing and a temporary radiation temperature of + 400 °C.
- The outer cover is made of glass woven fabric and is therefore flame resistant.
- For protection during transport and installation the hose has been provided with an extra thin rubber layer on the glass cord.

Technical description

Inner tube: EPDM rubber with insulating properties, beige, smooth.

Reinforcement: synthetic textile and glass cords.

Cover: EPDM, black, fabric impression.

Temperature range: - 30 °C to + 100 °C.

Withstands steel splashes and a temporary radiation temperature of + 400 °C.

Electrical properties:

Insulating, $R > 10^{10} \Omega/m$.

Electrical strength in longitudinal direction > 16 kV per 40 mm.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.0	4.75	± 0.75	23.0	± 1.00	10	45	120	0.48	20 - 40	
20.0	5.75	± 0.75	32.0	± 1.00	10	45	200	0.68	40	
25.0	6.25	± 0.75	38.0	± 1.00	10	45	250	0.88	40	
32.0	6.25	± 0.75	45.0	± 1.00	10	45	320	1.06	20 - 40	
40.0	6.25	± 0.75	53.0	± 1.00	10	45	360	1.29	20 - 40	
45.0	7.25	± 1.00	60.0	± 1.20	10	45	380	1.70	20 - 40	
50.0	7.25	± 1.00	65.0	± 1.20	10	45	400	1.85	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLJET 561/581

INDUSTRIAL MAINTENANCE

High pressure jetting

TRELLJET 561

TRELLJET 581

Applications

Specially designed for professional and industrial high pressure cleaning. Efficient for machines, vehicles, floors, public areas, facades, etc. Suitable for mobile pressure washers, fixed installations and reel mounted applications. **TRELLJET 581: also for the food industry and public baths.**

Advantages

- Smooth cover (non-staining for TRELLJET 581), oil and detergent resistant, wear and weather resistant.
- High temperature resistance.
- Light weight, flexible and kink resistant.
- Long service life.

Technical description

Inner tube: NBR/SBR, black, smooth.

Reinforcement: steel, one braid.

Cover: SBR/NBR, black (TRELLJET 561), blue (TRELLJET 581), smooth.

Temperature range: - 40 °C to + 150 °C.

Couplings/Fittings

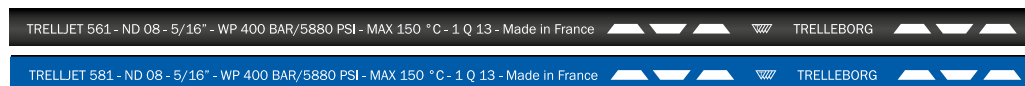
Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ND	ID mm	Wall thickness mm	OD mm	Reinforcement diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Length m	Notes
									561	581	
6	6.4	+ 0.6/- 0.2	2.65	11.7 ± 0.7	9.8 ± 0.3	400	1000	50	0.16	100 *	100 *
8	7.9	+ 0.6/- 0.2	2.75	13.4 ± 0.7	11.5 ± 0.3	400	1000	60	0.19	100 *	100 *
10	9.5	+ 0.6/- 0.2	3.00	15.5 ± 0.7	13.6 ± 0.3	400	1000	70	0.25	100 *	100 *
13	12.7	+ 0.8/- 0.4	3.00	18.7 ± 0.8	16.7 ± 0.3	350	900	80	0.30	100 *	100 *

* 50 % of the volume in each delivery will be random lengths, shortest length of 10 m, at least 50 % will be in fixed length mentioned in the table.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLJET 560/580

INDUSTRIAL MAINTENANCE

High pressure jetting

TRELLJET 560

TRELLJET 580

Applications

Specially designed for professional and industrial high pressure cleaning. Efficient for machines, vehicles, floors, public areas, facades, etc. The non-staining cover is also an advantage for use in food industry and public baths. Suitable for mobile pressure washers, fixed installations and reel mounted applications. **TRELLJET 580: also for the food industry and public baths.**

Advantages

- Smooth cover (non-staining for TRELLJET 580), oil and detergent resistant, wear and weather resistant.
- High temperature resistance.
- Light weight, flexible and kink resistant.
- Long service life.

Technical description

Inner tube: NBR/SBR, black, smooth.

Reinforcement: steel, two braids.

Cover: SBR/NBR, black (TRELLJET 560), blue (TRELLJET 580), smooth.

Temperature range: - 40 °C to + 150 °C.

Couplings/Fittings

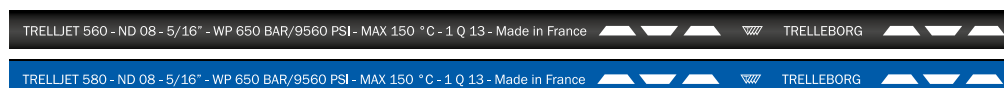
Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ND	ID mm	Wall thickness mm	OD mm	Reinforcement diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
8	7.9	+ 0.6/- 0.2	3.55	15.0 ± 0.7	12.7 ± 0.3	650	1600	65	0.31	100 *
10	9.5	+ 0.6/- 0.2	3.80	17.4 ± 0.7	14.9 ± 0.3	650	1600	70	0.38	100 *
13	12.7	+ 0.8/- 0.4	3.75	20.6 ± 0.8	18.1 ± 0.3	500	1200	70	0.47	100 *

* 50 % of the volume in each delivery will be random lengths, shortest length of 10 m, at least 50 % will be in fixed length mentioned in the table.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLJET 681 Antimicrobial Protection

INDUSTRIAL MAINTENANCE

Jetting, draining and spraying hoses



Applications

Specially designed for professional and industrial high pressure cleaning. The antimicrobial TRELLJET 681 is suitable for all environments where bacteria are concerned: cleaning companies, food industries, pharmaceuticals, packaging/bottling, health care institutions, schools, etc. Suitable for mobile pressure washers, fixed installations and reel mounted applications

Advantages

- Crush resistant.
- Antimicrobial protection: prevents odor, stain, degradation and breakdown from bacterial attacks.
- Non-staining smooth cover.
- Oil, detergents, wear and weather resistant.
- High temperature resistance.
- Highly flexible and kink resistance.
- Long service life.

ND	ID		Wall thickness	OD		Reinforcement diameter		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
	mm		mm	mm		mm		bar	bar	mm	kg/m	m	
10	9.5	+ 0.6/- 0.2	4.5	18.5	± 0.8	15.0	± 0.3	200	500	60	0.29	100 *	
13	12.7	+ 0.8/- 0.4	4.5	21.7	± 0.6	18.3	± 0.3	200	500	70	0.40	100 *	

* 50 % of the volume in each delivery will be random lengths, shortest length of 10 m, at least 50 % will be in fixed length mentioned in the table.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding: TRELLEBORG - TRELLJET 681 - ND mm - ND " - WP 200 BAR/2900 PSI - MAX 120 °C - quarter/year - Made in France

Branding:



Technical description

Inner tube: NBR/SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: NBR/SBR, blue, smooth.

Temperature range: - 40 °C to + 120 °C.

Special properties: Antimicrobial protection in reference to :

- ISO 22196:2007 (Quantitative analysis of Bacterial growth).

- AATCC 30-2004 (Qualitative analysis to evaluate the antimicrobial activity of fungicides).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

Complementary information

Available in random lengths: 10-95 m.

TRELLJET assembly blue

INDUSTRIAL MAINTENANCE

Jetting, draining and spraying hoses



Applications

For high pressure cleaning equipment (Type Kärcher). Efficient for machines, vehicles, floors, public areas, facades, etc. The non-staining cover is an advantage for use in food industry and public baths.

Advantages

- Non-staining smooth cover.
- Oil, detergent, wear and weather resistant.
- High working pressure.
- High temperature resistance.
- Light weight, flexible and kink resistant.
- Long service life.

Technical description

Inner tube: NBR/SBR, black, smooth.

Reinforcement: 1 or 2 steel braids.

Cover: SBR/NBR, blue, smooth.

Temperature range: - 40 °C to + 150 °C.

Couplings and fittings

M22F & D10 (steel).

D11 (stainless steel).

For other types of couplings, please contact us.

Complementary information

Delivered in plastic bag.

Black cover can be delivered on request.

Ø int.		Ø ext.		Pression de service	PLNE	Rayon de courbure	Poids	Longueur	Type de raccordement		Notes
mm		mm		bar	bar	mm	kg/m	m			
TRELLJET 581											
6.4	+ 0.6 - 0.2	11.7	± 0.7	400	1000	50	0.2	10	M22F	M22F	
								20	M22F	M22F	
								10	D10	M22F	
								20	D10	M22F	
7.9	+ 0.6 - 0.2	13.4	± 0.7	400	1000	60	0.25	10	M22F	M22F	
								20	M22F	M22F	
								10	D10	M22F	
								20	D10	M22F	
								10	D11	M22F	
								20	D11	M22F	
9.5	+ 0.6 - 0.2	15.5	± 0.7	400	1000	70	0.3	10	M22F	M22F	
								20	M22F	M22F	
TRELLJET 580											
7.9	+ 0.6 - 0.2	15.0	± 0.7	650	1600	65	0.35	10	M22F	M22F	
								20	M22F	M22F	
9.5	+ 0.6 - 0.2	17.4	± 0.7	650	1600	70	0.43	10	M22F	M22F	
								20	M22F	M22F	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

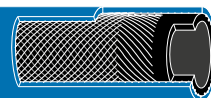


PLUTON 20 Blue

INDUSTRIAL MAINTENANCE

Gas and welding

PLUTON 20 - ISO3821 - OXYGEN



Applications

Rubber hose for oxygen supply in welding application.

Advantages

- Flexible and light weight for easy handling.
- Long, safe service life.
- The cover is particularly resistant to atmospheric conditions (ozone and hot spots).
- Flame resistant in case of flashback.
- Very strong textile reinforcement giving high safety factor.
- Clear branding showing gas symbol and date of manufacture.

Technical description

Inner tube: SBR/NR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, blue, smooth.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval: EN 559, ISO 3821.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
5.0 ± 0.4	3.00	11.0 ± 0.5	20	60	50	0.12	20 - 40	
6.3 ± 0.5	2.85	12.0 ± 0.6	20	60	55	0.13	20 - 40 - 100 - 120	
8.0 ± 0.5	3.00	14.0 ± 0.6	20	60	65	0.16	20 - 40 - 100 - 120	
10.0 ± 0.5	3.50	17.0 ± 0.6	20	60	75	0.23	20 - 40 - 100 - 120	
20.0 ± 0.6	3.75	27.5 ± 0.8	20	60	90	0.38	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

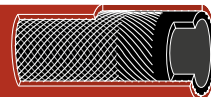
TRELLEBORG PLUTON 20 - ISO3821 - OXYGEN - Ø - 2.0 MPa (20 bar) - Year - Made in France

PLUTON 20 Red

INDUSTRIAL MAINTENANCE

Gas and welding

PLUTON 20 - ISO3821 - ACETYLENE



Applications

Rubber hose for acetylene supply in welding application.

Advantages

- Flexible and light weight for easy handling.
- Long, safe service life.
- The cover is particularly resistant to atmospheric conditions (ozone and hot spots).
- Flame resistant in case of flashback.
- Very strong textile reinforcement giving high safety factor.
- Clear branding showing gas symbol and date of manufacture.

Technical description

Inner tube: SBR/NR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, red, smooth.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval: EN 559, ISO 3821.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
5.0 ± 0.4	3.00	11.0 ± 0.5	20	60	50	0.12	20 - 40	
6.3 ± 0.5	2.85	12.0 ± 0.6	20	60	55	0.13	20 - 40 - 100 - 120	
8.0 ± 0.5	3.00	14.0 ± 0.6	20	60	65	0.16	20 - 40 - 100 - 120	
10.0 ± 0.5	3.50	17.0 ± 0.6	20	60	75	0.23	20 - 40 - 100 - 120	
20.0 ± 0.6	3.75	27.5 ± 0.8	20	60	90	0.38	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG PLUTON 20 - ISO3821 - ACETYLENE - Ø - 2.0 MPa (20 bar) - Year - Made in France

PLUTON TWIN

INDUSTRIAL MAINTENANCE

Gas and welding



Applications

Twin line rubber hose for welding gas supply.

Advantages

- Flexible and light weight for easy handling. The dual hose line makes connecting systems unnecessary.
- Long, safe service life.
- The cover is particularly resistant to atmospheric conditions (ozone, hot spots).
- Flame resistant tube in case of flashback.
- Very strong textile reinforcement giving high safety factor.
- Clear branding showing gas symbol and date of manufacture.

Technical description

Inner tube: SBR/NR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, red for acetylene, blue for oxygen, smooth.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval: EN 559, ISO 3821.

Complementary information

80 and 120 m length are available on request.

Hoses joined by extruded rubber bridge.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
5.0 + 5.0	± 0.5	3.50 + 3.50	12.0 + 12.0	± 0.6	20	60	55	0.29	40 - 50	
6.3 + 6.3	± 0.5	2.85 + 2.85	12.0 + 12.0	± 0.6	20	60	55	0.25	20 - 40 - 50	
8.0 + 8.0	± 0.5	3.00 + 3.00	14.0 + 14.0	± 0.6	20	60	65	0.32	40 - 50 - 120	
10.0 + 10.0	± 0.5	3.50 + 3.50	17.0 + 17.0	± 0.6	20	60	75	0.45	20 - 40 - 50	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG PLUTON 20 - ISO3821 - OXYGEN - Ø - 2.0 MPa (20 bar) - Year - Made in France

TRELLEBORG PLUTON 20 - ISO3821 - ACETYLENE - Ø - 2.0 MPa (20 bar) - Year - Made in France

PLUTON 2G

INDUSTRIAL MAINTENANCE

Gas and welding



Applications

Rubber hose for LPG (gas cylinders, heaters, welding and LPG lines) and for Acetylen for welding gas supply.

Advantages

- Flexible and light weight for easy handling.
- Long, safe service life.
- The cover is particularly resistant to atmospheric conditions (ozone and hot spots).
- Flame resistant in case of flashback.
- Very strong textile reinforcement giving high safety factor.
- Clear branding showing gas symbol and date of manufacture.

Technical description

Inner tube: SBR/NR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, red and orange, smooth.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval: ISO 3821.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
6.3	± 0.5	2.85	12	± 0.6	20	60	55	0.12	20 - 40 - 120	
8.0	± 0.5	2.85	14	± 0.7	20	60	65	0.16	20 - 40 - 120	
10.0	± 0.5	3.50	17	± 0.7	20	60	75	0.17	20 - 40	
12.5	± 0.6	3.75	19	± 0.8	20	60	80	0.21	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

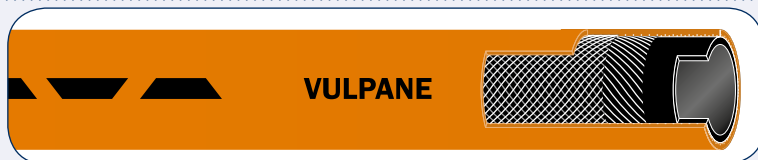
Branding:

TRELLEBORG PLUTON 2G - ISO3821 - ACETYLENE - LPG - 2.0 MPa (20 bar) - ND - year - Made in France

VULPANE

INDUSTRIAL MAINTENANCE

Gas and welding



Applications

Rubber hose for LPG (gas cylinders, heaters, welding, and LPG lines).

Advantages

- Flexible and light weight for easy handling.
- Long, safe service life.
- A hose cover particularly resistant to atmospheric conditions (ozone and hot spots).
- Special, high quality rubber compounds.
- Very strong textile reinforcement giving high safety factor.
- Clear branding showing gas symbol and date of manufacture.

Technical description

Inner tube: NBR/SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, orange, smooth.

Temperature range: - 30 °C to + 80 °C.

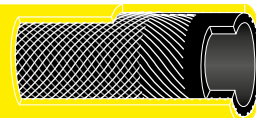
Standard/Approval: EN 559, ISO 3821, DG 3910.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes	
mm	mm	mm	bar	bar	mm	kg/m	m		
6.3	± 0.5	2.85	12.0	± 0.6	20	60	55	0.12	20 - 40 - 100 - 120
8.0	± 0.5	3.00	14.0	± 0.6	20	60	65	0.15	20 - 40 - 50 - 60 - 80 - 100 - 120
9.0	± 0.5	3.00	15.0	± 0.6	20	60	70	0.18	40 - 120
10.0	± 0.5	3.50	17.0	± 0.6	20	60	75	0.20	20 - 25 - 40 - 100 - 120
19.0	± 0.6	3.75	26.5	± 0.8	20	60	130	0.37	40

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

 TRELLEBORG  **VULPANE - ISO 3821 - DG 3910 - GPL/MPS - Ø - 2MPa (20 BAR) [-30 °C] Year - Made in France**



Applications

For all general purpose compressed air applications.
Suitable for high pressure water discharge.

Advantages

- Water and ozone resistant.
- Yellow color allows to spot it easily in dark construction sites.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, yellow, smooth.

Temperature range: - 25 °C to + 70 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
10	3.5	17	15	45	60	0.253	40	
13	4.0	21	15	45	78	0.364	40	
19	4.5	28	15	45	115	0.565	40	
25	5.0	35	15	45	150	0.802	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG

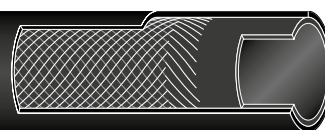
GOLDAIR

AIRWAP 15

INDUSTRIAL MAINTENANCE

Air

TRELLEBORG AIRWAP 15



Applications

Air hose for pneumatic tools and any other compressed air applications.
Also suitable (under certain conditions) for industrial water.

Advantages

- Good resistance to abrasion.
- Good flexibility.
- Good economical solution.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, smooth.

Temperature range: - 30 °C to + 70 °C.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.4	± 0.6	3.6	20.6	± 0.7	15	45	60	0.30	20 - 40 - 80	
16.4	± 0.7	4.6	25.6	± 0.8	15	45	70	0.48	20 - 40 - 80	
19.4	± 0.7	4.6	28.6	± 0.8	15	45	80	0.55	20 - 40 - 80	
25.0	± 1.0	5.0	35.0	± 1.1	15	45	100	0.74	20 - 40 - 80	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG AIRWAP 15

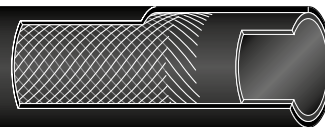
WP 15 bar - BP 45 bar

AIRWAP 20

INDUSTRIAL MAINTENANCE

Air

TRELLEBORG AIRWAP DIN



Applications

Air hose for pneumatic tools and any other compressed air applications.
Also suitable (under certain conditions) for industrial water.

Advantages

- Good resistance to abrasion.
- Good flexibility.
- Good economical solution.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic yarns.

Cover: SBR, black, smooth.

Temperature range: - 30 °C to + 70 °C.

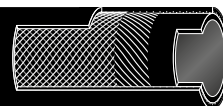
ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
6	± 0.5	3.00	12	± 0.7	20	60	18	0.16	20 - 40 - 80 - 120	
8	± 0.6	3.00	14	± 0.7	20	60	25	0.19	20 - 40 - 80 - 120	
10	± 0.7	3.50	17	± 0.8	20	60	35	0.26	20 - 40 - 80 - 120	
13	± 0.6	4.50	22.5	± 0.7	20	60	60	0.40	40	
16	± 0.7	5.60	27.6	± 0.8	20	60	70	0.61	20 - 40 - 80	
19	± 0.8	5.60	30.6	± 1.1	20	60	80	0.69	20 - 40	
25	± 1.0	6.5	38.0	± 1.1	20	60	100	1.01	20 - 40 - 80	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG AIRWAP DIN

WP 20 bar - BP 60 bar



Applications

For pneumatic tools and general purpose compressed air hose in industrial and other applications.
Suitable for compressed air in all applications, oxygen, and inert gases for arc welding: argon, nitrogen, and carbon dioxide.
Also for other media (under certain conditions) such as industrial water, aqueous solutions or emulsions for horticultural spraying, white washing, disinfection, acids and alkalis.

Advantages

- High resistance to abrasion.
- Good cold flexibility.
- Wide range of diameters and dimensions.
- High safety factor.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, smooth for ID ≤ 25 mm, fabric impression for ID > 25 mm.

Temperature range: - 40 °C to + 70 °C.

Electrical properties: conductive tube and cover, R < 10⁶ Ω/m.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
6.0	± 0.4	3.0	12.0	± 0.5	15	50	24	0.13	20 - 40 - 120	
7.0	± 0.5	3.0	13.0	± 0.6	15	50	26	0.15	20 - 40 - 120	
8.0	± 0.5	3.0	14.0	± 0.6	15	50	28	0.16	20 - 40 - 80 - 120	
9.0	± 0.5	3.5	16.0	± 0.6	15	50	34	0.22	20 - 40 - 120	
10.0	± 0.5	3.5	17.0	± 0.6	15	50	38	0.23	20 - 40 - 120	
13.4	± 0.6	3.6	20.6	± 0.7	15	50	60	0.30	20 - 40 - 80	
16.4	± 0.7	4.6	25.6	± 0.8	15	50	70	0.48	20 - 40 - 80	
19.4	± 0.7	4.6	28.6	± 0.8	15	50	80	0.55	20 - 40 - 80	
25.0	± 1.0	5.0	35.0	± 1.0	15	50	100	0.74	20 - 40 - 80	
30.0	± 1.0	5.5	41.0	± 2.0	10	40	300	0.89	20 - 40	
32.0	± 1.0	5.5	43.0	± 2.0	10	40	320	0.94	20 - 40	
35.0	± 1.0	6.0	47.0	± 2.0	10	40	350	1.13	20 - 40	
38.0	± 1.0	6.0	50.0	± 2.0	10	40	380	1.21	20 - 40	
40.0	± 1.0	6.5	53.0	± 2.0	10	40	400	1.39	20 - 40	
45.0	± 1.0	6.5	58.0	± 2.0	10	40	450	1.52	20 - 40	
50.0	± 1.25	7.5	65.0	± 2.5	10	40	500	1.96	20 - 40	
60.0	± 1.25	7.5	75.0	± 2.5	10	40	600	2.30	20 - 40	
80.0	± 1.25	7.5	95.0	± 2.5	10	40	800	3.02	20 - 40	
100.0	± 1.25	7.5	115.0	± 1.5	10	40	1000	3.59	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding ID ≤ 25 mm:



Branding ID > 25 mm:



and embossed: TRELLEBORG - MAXAIR - ISO 2398:2009 - 1B - L - T - DN - WP 10 BAR - week - year - Made in France

NORMINES II

INDUSTRIAL MAINTENANCE

Air



Applications

Extra heavy duty air hose for pneumatic machine tools such as rock drills, grinding and poker machines, rivet and chipping hammers etc.

All round multipurpose compressed air hose used in mining industries, building construction, plant industry and others.

Suitable for compressed air in all applications, oxygen and inert gases for arc welding: argon, nitrogen, carbon dioxide.

Also for other media (under certain conditions) such as industrial water, aqueous solutions or emulsions for horticultural spraying, white washing, disinfection, acids and alkalis.

Advantages

- Very high resistance to abrasion and atmospheric conditions.
- Good cold flexibility.
- Wide range of diameters and dimensions.
- High safety factor.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, smooth for ID ≤ 25 mm, fabric impression for ID > 25 mm.

Temperature range: - 40 °C to + 70 °C.

Electrical properties: conductive tube and cover, R < 10⁶ Ω/m.

ID		Wall thickness	OD		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm	mm		bar	bar	mm	kg/m	m	
6.0	± 0.4	3.50	13.0	± 0.5	20	80	18	0.16	40 - 120	
8.0	± 0.5	3.50	15.0	± 0.6	20	80	25	0.19	20 - 40 - 120	
9.0	± 0.5	4.00	17.0	± 0.6	20	80	30	0.25	40 - 120	
10.0	± 0.5	4.00	18.0	± 0.6	20	80	35	0.26	20 - 40 - 120	
13.4	± 0.6	4.55	25.0	± 0.7	20	60	60	0.40	20 - 40 - 80	
16.4	± 0.7	5.60	27.6	± 0.8	20	60	70	0.61	20 - 40 - 80	
19.4	± 0.7	5.60	30.6	± 0.8	20	60	80	0.69	20 - 40 - 80	
25.0	± 1.0	6.50	38.0	± 1.1	20	60	100	1.01	20 - 40 - 80	
30.0	± 1.0	6.00	42.0	± 2.0	20	60	300	1.00	20 - 40	
32.0	± 1.0	6.00	44.0	± 2.0	20	60	320	1.06	20 - 40	
35.0	± 1.0	6.50	48.0	± 2.0	20	60	350	1.26	20 - 40	
38.0	± 1.0	6.50	51.0	± 2.0	20	60	380	1.35	20 - 40	
40.0	± 1.0	7.00	54.0	± 2.0	20	60	400	1.54	20 - 40	
45.0	± 1.0	7.00	59.0	± 2.0	20	60	450	1.67	20 - 40	
48.0	± 1.25	8.00	64.0	± 2.5	20	60	480	2.05	20 - 40	
50.0	± 1.25	8.00	66.0	± 2.5	20	60	500	2.13	20 - 40	
55.0	± 1.25	8.00	71.0	± 2.5	20	60	550	2.32	20 - 40	
60.0	± 1.25	8.00	76.0	± 2.5	20	60	600	2.51	20 - 40	
63.0	± 1.25	8.00	79.0	± 1.5	20	60	650	2.64	20 - 40	
65.0	± 1.25	8.00	81.0	± 1.5	20	60	660	2.70	20 - 40	
70.0	± 1.25	8.00	86.0	± 2.5	20	60	700	2.90	20 - 40	
75.0	± 1.25	8.00	91.0	± 2.5	20	60	750	3.03	40	
80.0	± 1.25	8.00	96.0	± 2.5	20	60	800	3.20	20 - 40	
89.0	± 1.25	8.00	105.0	± 1.5	20	60	900	3.44	20 - 40	
100.0	± 1.25	8.00	116.0	± 1.5	20	60	1000	3.87	20 - 40	

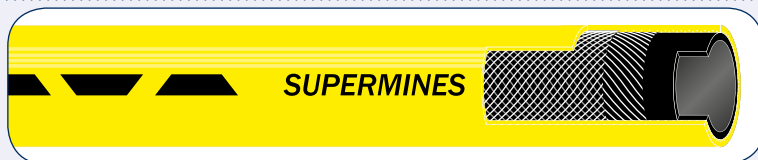
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding ID ≤ 25 mm:



Branding ID > 25 mm:





Applications

Extra heavy duty compressor hose for building sites, civil engineering projects, quarries, etc.

Advantages

- Highly resistance to fatigue, bending, and twisting.
- Excellent resistance to abrasion, atmospheric conditions, and dragging over rough and oily surfaces.
- Good cold flexibility.
- Suitable for oxygen discharge.
- Visible cover (yellow in colour).

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, yellow, smooth for ID ≤ 25 mm, fabric impression for ID > 25 mm.

Temperature range: - 30 °C to + 70 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
7.0	± 0.5	3.50	14.0 ± 0.6	20	80	24.5	0.17	20 - 40 - 80
10.0	± 0.5	4.75	19.5 ± 0.6	20	80	35.0	0.33	20 - 40 - 80
13.4	± 0.6	4.85	23.1 ± 0.7	20	60	48.0	0.41	20 - 40 - 80
16.4	± 0.7	5.85	28.1 ± 0.7	20	60	65.0	0.61	20 - 40 - 80
19.4	± 0.7	5.85	31.1 ± 0.8	20	60	77.0	0.69	20 - 40 - 80
25.0	± 1.0	7.00	39.0 ± 1.1	20	60	102.0	1.03	20 - 40 - 80
30.0	± 1.0	7.00	44.0 ± 2.0	20	80	180.0	1.18	20 - 40
35.0	± 1.0	8.00	51.0 ± 2.0	20	80	250.0	1.57	20 - 40
40.0	± 1.0	9.00	58.0 ± 2.0	20	80	300.0	2.03	20 - 40
50.0	± 1.25	9.00	68.0 ± 2.5	20	80	350.0	2.44	20 - 40

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding ID ≤ 25 mm:



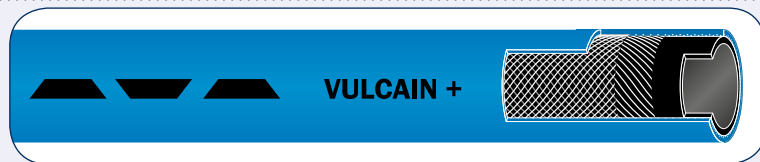
Branding ID > 25 mm:



VULCAIN +

INDUSTRIAL MAINTENANCE

Air



Applications

For pneumatic tooling or pneumatic control lines (e.g. paint spray guns).

Advantages

- Static conductive tube.
- Very flexible hose especially at low temperatures.
- Suitable for hot water.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, blue, smooth.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/m$.

ID		Wall thickness	OD		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm	mm		bar	bar	mm	kg/m	m	
6.0	± 0.4	3.0	12.0	± 0.5	20	80	25	0.11	20 - 40 - 120	
7.0	± 0.5	3.5	14.0	± 0.6	20	80	25	0.15	20 - 40 - 120	
8.0	± 0.5	3.5	15.0	± 0.6	20	60	30	0.16	20 - 40 - 120	
9.0	± 0.5	3.5	16.0	± 0.6	20	60	35	0.18	20 - 40 - 120	
10.0	± 0.5	4.0	18.0	± 0.6	20	60	40	0.23	20 - 40 - 120	
12.0	± 0.6	4.0	20.0	± 0.7	20	60	60	0.26	20 - 40 - 120	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



CRISAL AL

INDUSTRIAL MAINTENANCE

Air



Applications

Air hose also suitable for discharge of water and liquid foodstuffs.
Not suitable for the transport of fatty foods, including dairy products.

Advantages

- Light, flexible, multipurpose hose (see separate chemical resistance table).
- Comprehensive range of diameters.
- Food quality compliant with the european directive 2007/19/CE.

Technical description

Inner tube: PVC, transparent, smooth.

Reinforcement: synthetic textile, yarns.

Cover: PVC, transparent, smooth.

Temperature range: - 15 °C to + 60 °C.

Standard/Approval: complies with european directive 2007/19/CE for the transfer of non-fatty food and various alcohol.

Complementary information

Working pressure and bursting pressure mentioned are valid at + 20 °C.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm	mm	mm	bar	bar	mm	kg/m	m	
6.0	± 0.5	3.00	12.0 ± 0.25	15	45	55	0.10	8 x 25 * - 4 x 50 *
8.0	± 0.6	3.00	14.0 ± 0.25	15	45	65	0.13	6 x 25 * - 3 x 50 *
9.0	± 0.6	3.00	15.0 ± 0.25	15	45	70	0.14	6 x 25 * - 3 x 50 *
10.0	± 0.6	3.00	16.0 ± 0.25	15	45	75	0.15	6 x 25 * - 3 x 50 *
12.0	± 0.6	3.00	18.0 ± 0.25	15	45	82	0.17	4 x 25 * - 2 x 50 *
13.0	± 0.6	3.50	20.0 ± 0.25	10	30	90	0.22	25 - 50
16.0	± 0.8	3.25	22.5 ± 0.25	10	30	100	0.24	25 - 50
19.0	± 0.8	4.00	27.0 ± 0.40	6	24	125	0.35	25 - 50
25.0	± 1.0	4.50	34.0 ± 0.40	6	18	155	0.51	25 - 50
32.0	± 1.0	5.00	42.0 ± 0.50	6	18	190	0.72	25 - 50
38.0	± 1.0	5.00	48.0 ± 0.50	6	18	215	0.83	25
50.0	± 1.0	7.00	64.0 ± 0.50	6	18	300	1.55	25

* For ID ≤ 12 mm, hoses delivered in carton boxes. Number of rings in each carton box according to table above.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



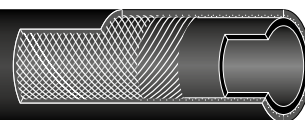
DIN 1TE

INDUSTRIAL MAINTENANCE

Hydraulic control lines

TRELLEBORG

DIN 1TE



Applications

Textile reinforced rubber hose for hydraulic control lines.
Discharge under pressure of hydraulic fluids, grease, oil-lubricated air and water.

Advantages

- Light weight and flexible due to the textile reinforcement.
- Elimination of vibrations in hydraulic lines.
- Hose cover is highly resistant to oil and grease.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: one textile spinned.

Cover: oil and weather resistant CR, black, smooth.

Temperature range:

Hydraulic fluids: - 40 °C to + 100 °C.

Aqueous liquids: - 40 °C to + 70 °C.

Water: 0 °C to + 70 °C.

Standard/Approval: DIN 20 021 1TE, EN 854 1TE.

Complementary information

Delivery terms for every order: 50 % in fixed length ; 50 % in random lengths: 10-39 m for all ND, 41-99 m for ND 4.8 mm, 41-119 m for ND 6.4 to 15.9 mm, 41-79 m for ND 19 to 25.4 mm.

	ID		Wall		OD	Working	Bursting	Bending	Weight	Length	Notes
inch	mm		thickness		mm	pressure	pressure	radius	kg/m	m	
			mm			bar	bar	mm			
3/16"	4.8	± 0.4	3.0	± 0.3	10.8	25	100	35	0.09	40 - 80 - 100	
1/4"	6.4	± 0.5	3.0	± 0.3	12.4	25	100	45	0.11	40 - 80 - 120	
5/16"	7.9	± 0.5	3.0	± 0.3	13.9	20	80	65	0.13	40 - 80 - 120	
3/8"	9.5	± 0.5	3.0	± 0.3	15.5	20	80	75	0.15	40 - 80 - 120	
1/2"	12.7	± 0.6	3.0	± 0.3	18.7	16	64	90	0.18	40 - 80 - 120	
5/8"	15.9	± 0.6	3.5	± 0.4	22.9	16	64	115	0.26	40 - 80 - 120	
3/4"	19.0	± 0.8	3.5	± 0.4	26.0	12	32	135	0.30	40 - 80	
1"	25.4	± 0.8	4.0	± 0.4	33.4	12	32	165	0.45	40 - 80	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



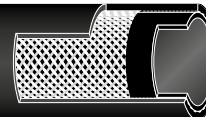
DIN 2TE

INDUSTRIAL MAINTENANCE

Hydraulic control lines

TRELLEBORG

DIN 2TE



Applications

Textile reinforced rubber hose for hydraulic control lines.
Discharge under pressure of hydraulic fluids, grease, air, and water.

Advantages

- Light weight and flexible due to the textile reinforcement.
- Elimination of vibrations in hydraulic lines.
- Hose cover is highly resistant to oil and grease.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: one textile braid for ID ≤ 25 mm, two textile braids for ID > 25 mm.

Cover: oil and weather resistant CR, black, smooth.

Temperature range:

Hydraulic fluids: - 40 °C to + 100 °C.

Aqueous liquids: - 40 °C to + 70 °C.

Water: 0 °C to + 70 °C.

Standard/Approval: DIN 20 021 2TE, EN 854 2 TE.

Complementary information

Delivery terms for every order: 50 % in fixed length ; 50 % in random lengths: 10-39 m for all ND, 41-99 m for ND 4.8, 41-119 m for ND 6.4 to 15.9, 41-79 m for ND 19 to 25.4.

	ID		Wall		OD	Working	Bursting	Bending	Weight	Length	Notes
inch	mm		thickness		mm	pressure	pressure	radius	kg/m	m	
			mm			bar	bar	mm			
3/16"	4.8	± 0.4	3.5	± 0.3	11.8	80	320	35	0.12	120	
1/4"	6.4	± 0.5	3.5	± 0.3	13.4	75	300	40	0.14	40 - 120	
5/16"	7.9	± 0.5	3.5	± 0.3	14.9	68	270	50	0.16	40 - 120	
3/8"	9.5	± 0.5	3.5	± 0.3	16.5	63	250	60	0.18	40 - 120 - 200	
1/2"	12.7	± 0.6	3.5	± 0.3	19.7	58	230	70	0.22	40 - 120	
5/8"	15.9	± 0.6	4.0	± 0.4	23.9	50	200	90	0.32	40 - 120	
3/4"	19.0	± 0.8	4.0	± 0.4	27.0	45	180	110	0.37	40 - 80	
1"	25.4	± 0.8	4.5	± 0.4	34.4	40	160	150	0.52	40 - 80	
1 1/4"	31.8	± 1.0	4.5	± 0.4	41.6	35	140	190	0.71	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



DIN 3TE

INDUSTRIAL MAINTENANCE

Hydraulic control lines

TRELLEBORG

DIN 3TE



Applications

Textile reinforced rubber hose for hydraulic control lines.
Discharge under pressure of hydraulic fluids, grease, air, and water.

Advantages

- Light weight and flexible due to the textile reinforcement.
- Elimination of vibrations in hydraulic lines.
- Hose cover is highly resistant to oil and grease.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: two textile braids.

Cover: oil and weather resistant CR, black, smooth.

Temperature range:

Hydraulic fluids: - 40 °C to + 100 °C.

Aqueous liquids: - 40 °C to + 70 °C.

Water: 0 °C to + 70 °C.

Standard/Approval: DIN 20 021 3TE, EN 854 3TE.

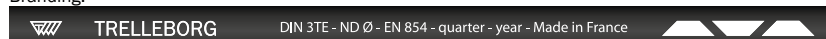
Complementary information

Delivery terms for every order: 50 % in fixed length ; 50 % in random lengths: 10-39 m for all ND, 41-99 m for ND 4.8, 41-119 m for ND 6.4 to 15.9, 41-79 m for ND 19 to 25.4.

inch	ID mm		Wall thickness mm		OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
3/16"	4.8	± 0.4	3.95	± 0.3	12.7	160	640	40	0.14	40 - 80 - 120	
1/4"	6.4	± 0.5	4.10	± 0.3	14.6	145	585	45	0.17	40 - 80 - 120	
5/16"	7.9	± 0.5	4.50	± 0.3	16.9	130	520	55	0.22	120	
3/8"	9.5	± 0.5	4.50	± 0.3	18.5	110	440	70	0.26	80 - 120	
1/2"	12.7	± 0.6	4.50	± 0.3	21.7	93	370	85	0.31	120	
5/8"	15.9	± 0.6	5.00	± 0.4	25.9	80	320	105	0.42	80 - 120	
3/4"	19.0	± 0.8	5.00	± 0.4	29.0	70	280	130	0.48	30 - 40 - 80	
1"	25.4	± 0.8	5.25	± 0.4	35.9	55	220	150	0.65	40 - 60 - 80	
1 1/4"	31.8	± 1.0	5.15	± 0.4	42.3	45	180	180	0.75	20 - 40	
1 1/2"	38.1	± 1.0	5.75	± 0.4	49.6	40	160	240	0.89	20 - 40	
2"	50.8	± 1.0	5.75	± 0.4	62.3	33	140	300	1.20	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

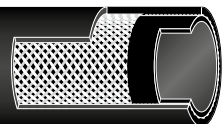


SAE 100R6

INDUSTRIAL MAINTENANCE

Hydraulic control lines

T - SAE 100R6 - EN 854



Applications

Textile reinforced rubber hose for hydraulic control lines.
Discharge under pressure of hydraulic fluids, grease, air, and water.

Advantages

- Light weight and flexible due to the textile reinforcement
- Elimination of vibrations in the hydraulic lines.
- Hose cover is highly resistant to oil and grease.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: one textile braid.

Cover: oil and weather resistant CR/SBR, black, smooth.

Temperature range:

Hydraulic fluids: - 40 °C to + 100 °C.

Aqueous liquids: - 40 °C to + 70 °C.

Water: 0 °C to + 70 °C.

Standard/Approval: SAE J 517 type 100 R6, EN 854 type R6.

inch	ID mm		Wall thickness mm		OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
1/4"	6.4	- 0.3/+ 0.5	3.15	± 0.3	12.7	28	112	64	0.11	80 - 120	
5/16"	7.9	- 0.3/+ 0.5	3.20	± 0.3	14.3	28	112	76	0.13	80 - 120	
3/8"	9.5	- 0.3/+ 0.5	3.20	± 0.3	15.9	28	112	76	0.15	120	
1/2"	12.7	- 0.3/+ 0.6	3.55	± 0.3	19.8	28	112	100	0.21	120	
5/8"	15.9	- 0.3/+ 0.6	3.55	± 0.3	23.0	24	97	125	0.25	120	
3/4"	19.0	- 0.3/+ 0.8	4.25	± 0.3	27.5	21	83	147	0.37	120	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: quarter/year

SAE 100R4

INDUSTRIAL MAINTENANCE

Hydraulic control lines

France

T - SAE 100R4



Applications

Oil hose for use at low pressure and suction applications (e.g. as return line hose in hydraulic systems).

Advantages

- Light weight and flexible due to the textile reinforcement.
- Elimination of vibrations in the hydraulic lines.
- Hose cover is highly resistant to oil and grease.

Technical description

Inner tube: oil resistant NBR/SBR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: oil and weather resistant NBR/SBR, black, smooth.

Temperature range: - 40 °C to + 100 °C.

Standard/Approval: SAE J 517 Mai 89 (SAE 100R4).

ID	Wall thickness	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
inch	mm	mm	bar	bar	bar	mm	kg/m	m	
1"1/4	32.0	5.5 ± 0.5	43 ± 1.0	14	55	0.9	200	1.05	40
1"1/2	38.0	5.5 ± 0.5	49 ± 1.0	10	41	0.9	250	1.20	40
3"	76.0	6.5 ± 0.75	89 ± 1.5	4	15	0.9	450	2.80	40

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

T - SAE 100R4 - 20 - 1"1/4 - Quarter Year - Made in France

BREATHING HOSE EN 14593

INDUSTRIAL MAINTENANCE

Exhaust gas



Applications

Supply line for fresh air breathing masks and compressed air supply.

Advantages

- Safe and durable.
- High temperature resistance.
- Very flexible.
- Abrasion resistant cover.
- Antistatic.
- EN 14593/14594 approved.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: aramid, braided.

Cover: EPDM, black for ID 7.2 and 9.5 mm, green for ID 20 mm, smooth.

Temperature range: - 40 °C to + 120 °C.

Electrical properties: conductive tube and cover, $10^3 \Omega/m < R < 10^8 \Omega/m$.

Standard/Approval: EN 14593/14594.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm	mm	mm	bar	bar	mm	kg/m	m	
7.2	± 0.5	3.5	14.2 ± 0.7	10	80	0.17	80	
9.5	± 0.5	4.0	17.5 ± 0.8	10	80	0.24	40 - 80	
20.0	± 0.8	4.75	29.5 ± 1.0	10	80	0.41	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLEBORG

EN 14593/14594 - HEAT RESISTANT - ANTISTATIC - Made in France



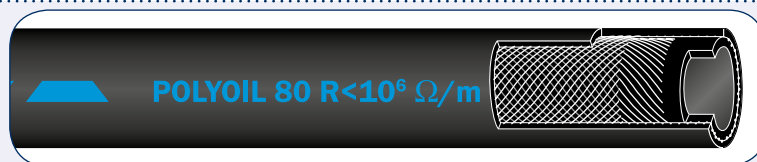
TRELLEBORG

EN 14593/14594 - HEAT RESISTANT - ANTISTATIC - Made in France

POLYOIL

INDUSTRIAL MAINTENANCE

Oil



Applications

For high pressure transfer of petroleum products and low pressure hydraulic drives and oil return.
Also for handling light or heavy petroleum derivatives, chemicals and anti freeze agents, oil charged compressed air, industrial alkaline, and salt water.

Advantages

- Excellent resistance to ageing, atmospheric conditions and ozone.
- Very good resistance to pressure.
- Special compound to resist petroleum products with aromatic content < 50 %.
- Static conductivity assured by the tube and the cover.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant CR, black, smooth.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/m$.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes	
mm	mm	mm	bar	bar	mm	kg/m	m		
6.0	± 0.4	3.50	13.0	± 0.5	20	80	30	0.14	40 - 100 - 200
8.0	± 0.5	3.50	15.0	± 0.6	20	80	34	0.17	40 - 100
10.0	± 0.5	3.50	17.0	± 0.6	20	80	38	0.19	20 - 40 - 100 - 120
13.0	± 0.6	4.00	21.0	± 0.7	20	80	45	0.28	20 - 40 - 100
16.0	± 0.7	4.25	24.5	± 0.8	20	80	53	0.35	20 - 40 - 100
19.0	± 0.7	4.50	28.0	± 0.8	20	80	58	0.43	20 - 40 - 100
25.0	± 1.0	5.00	35.0	± 1.0	20	80	77	0.62	20 - 40 - 80

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



HYDRO'K

INDUSTRIAL MAINTENANCE

Oil



Applications

A versatile hose for industrial use.
For diesel oil, mineral oil and grease with aromatic content ≤ 50 %.
Return hose in hydraulic system and for farming equipment.
Sea water (engine cooling) and aqueous solution.
An allround hose for oil, water, compressed air, grease, etc.

Advantages

- A multi-purpose hose to minimise inventory.
- Ozone, abrasion and oil splash resistant cover.

Technical description

Inner tube: oil resistant NBR/PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/SBR, black, smooth.

Temperature range: - 25 °C to + 100 °C.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes	
mm	mm	mm	bar	bar	bar	mm	kg/m	m		
5.0	± 0.4	3.25	11.5	± 0.5	16	48	0.80	30	0.12	40 - 120
6.0	± 0.4	3.50	13.0	± 0.5	16	48	0.80	35	0.15	40 - 80 - 120
8.0	± 0.5	3.50	15.0	± 0.6	16	48	0.80	40	0.18	20 - 40 - 80 - 120
10.0	± 0.5	3.50	17.0	± 0.6	16	48	0.80	45	0.22	20 - 40 - 50 * - 80 - 120
13.0	± 0.6	3.75	20.5	± 0.7	16	48	0.35	50	0.27	20 - 40 - 50 * - 80 - 120
15.0	± 0.7	4.00	23.0	± 0.8	16	48	0.35	55	0.32	40 - 80 - 120
16.0	± 0.7	4.00	24.0	± 0.8	16	48	0.35	60	0.34	40 - 80
19.0	± 0.7	4.20	27.4	± 0.8	16	48	0.35	65	0.42	20 - 40 - 80
25.0	± 1.0	5.00	35.0	± 1.0	16	48	0.35	80	0.68	20 - 40 - 80

* Packed in carton.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

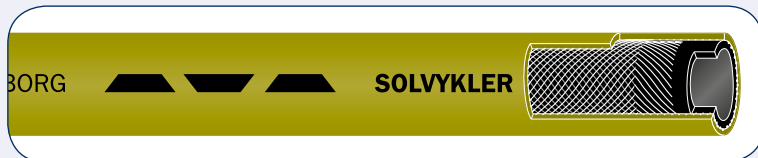
Branding:



SOLVYKLER

INDUSTRIAL MAINTENANCE

Solvents/Paints/Lacquer and varnish



Applications

Pressure service line for ester, ketone, alcohol based paints, and numerous chemicals.

Advantages

- Hose cover resistant to splashing of corrosive chemicals.
- Free from silicone.
- Hose remains flexible within a wide temperature range.
- Antistatic tube.

Technical description

Inner tube: chemical resistant EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: chemical and weather resistant EPDM, green, smooth.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: antistatic tube, $R < 10^6 \Omega/m$.

Couplings/Fittings

Special paint hose couplings are recommended.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
6.0	± 0.4	3.3	12.6	± 0.5	20	60	60	0.13	40 - 80 - 120	
8.0	± 0.5	3.5	15.0	± 0.6	20	60	70	0.16	40 - 80 - 120	
9.0	± 0.5	3.5	16.0	± 0.6	20	60	85	0.17	40 - 80 - 120	
10.0	± 0.5	4.0	18.0	± 0.6	20	60	90	0.22	40 - 80 - 120	
13.0	± 0.6	4.0	21.0	± 0.7	20	60	110	0.27	40 - 80 - 120	
16.0	± 0.8	4.0	24.0	± 1.0	20	60	130	0.32	40 - 80	
20.0	± 0.8	4.5	29.0	± 1.0	20	60	150	0.44	40 - 80	
25.0	± 1.2	4.5	34.0	± 1.5	20	60	170	0.54	40 - 80	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



MULTIKLER

INDUSTRIAL MAINTENANCE

Solvents/Paints/Lacquer and varnish



Applications

Pressure service line for benzene, toluene, and xylene based paints, lacquer, varnish, and certain chemicals.

Also for industrial paint spray equipment.

Advantages

- Hose cover resistant both to abrasion and to corrosive chemicals.
- Free from silicone.
- Antistatic tube.

Technical description

Inner tube: solvent paints resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, green, smooth.

Temperature range: - 20 °C to + 100 °C.

Electrical properties: antistatic tube, $R < 10^6 \Omega/m$.

Couplings/Fittings

Special paint hose couplings are recommended.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
6.0	± 0.4	3.3	12.6	± 0.5	20	60	60	0.14	40 - 80 - 120	
8.0	± 0.5	3.5	15.0	± 0.6	20	60	70	0.17	40 - 80 - 120	
10.0	± 0.5	3.75	17.5	± 0.6	20	60	90	0.24	20 - 40 - 80 - 120	
13.0	± 0.6	4.0	21.0	± 0.7	20	60	110	0.28	40 - 80 - 120	
16.0	± 0.7	4.5	25.0	± 0.8	20	60	130	0.38	40 - 80 - 120	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

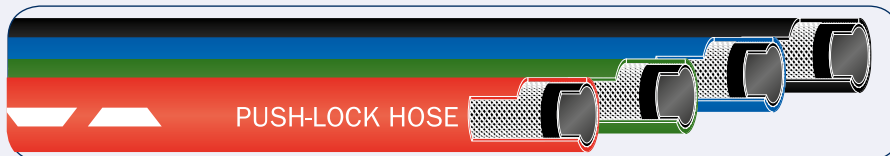
Branding:



PUSH-LOCK

MAINTENANCE INDUSTRIELLE

Industrie automobile



Applications

Ideally designed for hydraulic pneumatic low pressure lines for robotic in automotive industries.

Used with push-on fittings at maximum working pressure of 16 bar (250 psi).

Not suitable for impulse pressure application.

Advantages

- 40, 80 and 100 m delivered in one piece on wooden reel.
- Very good abrasion resistance.
- Flexibility, light weight and easy handling.
- Free from silicone.

Technical description

Inner tube: oil resistant NBR/PVC, black, smooth.

Reinforcement: one textile braid.

Cover: abrasion, oil and weather resistant NBR/PVC, smooth.

Temperature range: Air: - 20 °C / + 110 °C (peak + 125 °C).

Water: 0 °C / + 100 °C (peak + 110 °C).

Hydraulic oils: - 20 °C / + 70 °C (peak + 90 °C).

Water glycol: - 20 °C / + 70 °C (peak + 90 °C).

Electrical properties: non-conductive inner tube, $R > 10^{12} \Omega/m$

Complementary information

40, 80 and 100 m: delivered in one piece on wooden reel.

20 m: delivered in coils with PE film on pallet.

ID	ID		OD		Working pressure		Bursting pressure		Branding radius	Weight	Length	Notes
inch	mm		mm		bar	psi	bar	psi	mm	kg/m	m	
1/4	6.3	± 0.04	12.4	± 0.02	16	250	64	1000	45	0.12	40 - 100	
3/8	9.6	± 0.05	15.5	± 0.02	16	250	64	1000	75	0.16	40 - 100	
1/2	12.7	± 0.06	18.7	± 0.02	16	250	64	1000	90	0.19	40 - 100	
5/8	16	± 0.06	22.9	± 0.02	16	250	64	1000	115	0.28	40 - 80	
3/4	19.2	± 0.06	26.5	± 0.02	16	250	64	1000	135	0.34	40 - 80	

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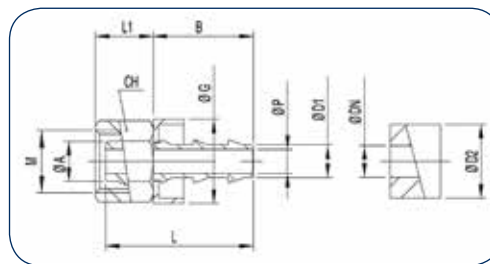
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Couplings/Fittings

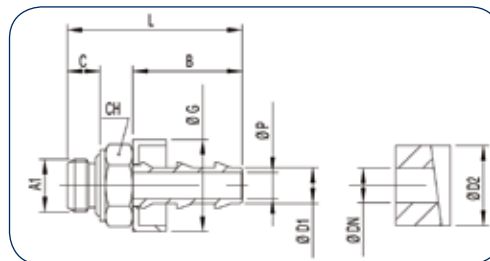
Used with push-on fittings at maximum working pressure of 16 bar (250 psi).

Metric Female

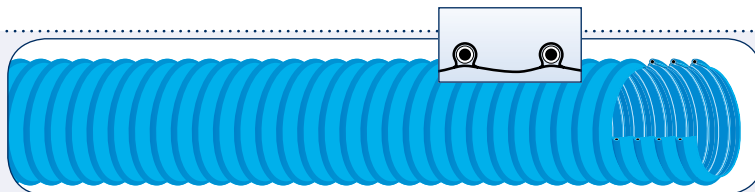


ØA	DN	ØD1	ØD2	CH	ØG	L	B	L1	ØP	M	Packaging	Notes
6	1/4	6.3	13	12	16.7	32.5	20	11.5	4.8	M10x1	10	
8	1/4	6.3	13	14	16.7	29.5	20	12.5	4.8	M12x1	10	
10	1/4	6.3	13	19	16.7	30.5	24	14	4.8	M16x1.5	10	
10	3/8	9.5	16	19	19.5	34.5	24	14	7.5	M16x1.5	10	
14	3/8	9.5	16	24	19.5	36	28	15	7.5	M20x1.5	10	
14	1/2	12.7	19	24	23.5	40	28	15	10	M20x1.5	10	
18	1/2	12.7	19	30	23.5	40.5	36.5	17	10	M24x1.5	10	
18	5/8	15.7	23	30	27.3	49	36.5	17	13.5	M24x1.5	10	
22	3/4	18.8	27	36	30.8	57.5	43	17	16	M30x1.5	10	

BSP Male



A1	DN	ØD1	ØD2	CH	ØG	L	B	C	ØP	Packaging	Notes
G1/8	1/4	6.3	13	13	16.7	32	20	6	4.8	10	
G1/4	1/4	6.3	13	17	16.7	35.5	20	8	4.8	10	
G1/4	3/8	6.3	16	17	19.5	39.5	24	8	7.5	10	
G3/8	3/8	9.5	16	22	19.5	41	24	9	7.5	10	
G3/8	1/2	9.5	19	22	23.5	45	28	9	10	10	
G1/2	1/2	12.7	19	27	23.5	47	28	10	10	10	
G1/2	5/8	12.7	23	27	27.3	55	36.5	10	13.5	10	
G3/4	5/8	15.7	23	32	27.3	58.5	36.5	12	13.5	10	
G3/4	3/4	18.8	27	32	30.8	65	43	12	16	10	



Applications

Heavy duty smooth bore ducting ideal for air handling and for the conveyance of fumes, dust, and moderately abrasive materials such as sawdust. The flexibility and durability of this product makes it an excellent and economical answer for all kinds of end-users.

Advantages

- Light weight and easy to handle.
- Double walled construction providing excellent durability.
- Optimization of PVC-coated wire helix thickness and pitch gives high flexibility and flex life.
- Smooth inner tube for optimum flow.

Technical description

PVC wall, blue, smooth inside.

Reinforcement: white PVC-coated embedded steel helix.

Temperature range: - 10 °C to + 80 °C.

Electrical properties: non conductive. Both ends of the helix can be exposed and connected to the couplings/fittings, if conductivity is required.

Couplings/Fittings

Standard: connexion by clamp.

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
20	0.50	± 0.03	1.90	0.55	10	0.11	10	
25	0.50	± 0.03	1.70	0.48	13	0.17	10	
30	0.50	± 0.03	1.60	0.40	15	0.21	10	
32	0.50	± 0.03	1.50	0.35	16	0.21	10	
35	0.50	± 0.03	1.40	0.30	17	0.22	10	
40	0.50	± 0.03	1.40	0.30	20	0.24	10	
45	0.50	± 0.03	1.30	0.30	22	0.26	10	
50	0.50	± 0.03	1.30	0.28	25	0.29	10	
51	0.50	± 0.03	1.30	0.28	25	0.30	10	
60	0.50	± 0.03	1.10	0.25	30	0.50	10	
63	0.50	± 0.03	1.00	0.23	31	0.54	10	
65	0.50	± 0.03	1.00	0.22	32	0.56	10	
70	0.50	± 0.03	1.00	0.22	35	0.56	10	
75	0.50	± 0.03	0.80	0.20	37	0.63	10	
76	0.50	± 0.03	0.80	0.20	38	0.65	10	
80	0.50	± 0.03	0.80	0.18	40	0.70	10	
90	0.50	± 0.03	0.70	0.15	45	0.76	10	
100	0.60	± 0.03	0.60	0.15	50	0.79	10	
102	0.60	± 0.03	0.60	0.15	51	0.82	10	
110	0.60	± 0.03	0.50	0.14	55	0.84	10	
120	0.60	± 0.03	0.40	0.13	60	0.85	10	
125	0.60	± 0.03	0.40	0.12	64	0.98	10	
130	0.60	± 0.03	0.40	0.12	65	1.00	10	
140	0.60	± 0.03	0.30	0.12	70	1.05	10	
150	0.60	± 0.03	0.25	0.10	75	1.18	10	
160	0.75	± 0.03	0.25	0.10	80	1.35	10	
180	0.75	± 0.03	0.20	0.10	90	1.48	10	
200	0.75	± 0.03	0.20	0.09	100	1.69	10	
203	0.75	± 0.03	0.20	0.09	101	1.70	10	
250	0.80	± 0.03	0.12	0.08	125	2.10	10	
300	0.80	± 0.03	0.10	0.06	150	2.52	10	
350	0.80	± 0.03	0.10	0.03	175	2.93	10	
400	0.80	± 0.03	0.08	0.02	200	3.39	5	
500	0.80	± 0.03	0.06	0.02	250	4.10	5	

Technical data for working conditions at 20 °C temperature.

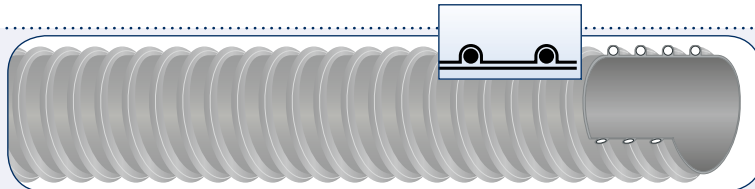
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GRV

INDUSTRIAL MAINTENANCE

Industrial ducting/PVC



Applications

Heavy duty for ventilation, dust and fume extraction.

Especially suitable for mobile applications (sanitary installations without pressure: mobile home, boat, caravanning, stand, ...) when continuous flexing is required.

Cables conduit.

Advantages

- Robust and easy to handle.
- Very good flexibility.
- Semi-rigid impact resistant PVC helix.
- Very smooth inner tube optimizing flow.
- Outstanding resistance to weather conditions and most of industrial chemicals in the vapour phase at moderate concentration.

Technical description

Elastic PVC wall, grey, very smooth inside.

Reinforcement: cold impact resistant embedded PVC helix.

Temperature range: - 10 °C to + 65 °C.

Couplings/Fittings

Standard: connexion by clamp.

Option: can be screwed into the couplings.

ID mm		Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
20	± 0.5	1.1	± 0.2/- 0.1	2.0	0.63	20	0.21	25	
25	± 0.5	1.1	± 0.2/- 0.1	2.0	0.63	25	0.25	25	
30	± 0.5	1.2	± 0.2/- 0.1	1.8	0.63	30	0.30	25	
32	± 0.5	1.2	± 0.2/- 0.1	1.8	0.63	32	0.30	25	
35	± 1.0	1.2	± 0.2/- 0.1	1.8	0.60	35	0.36	25	
38	± 1.0	1.2	± 0.2/- 0.1	1.8	0.60	38	0.36	25	
40	± 1.0	1.3	± 0.2/- 0.1	1.8	0.60	40	0.40	25	
45	± 1.0	1.3	± 0.2/- 0.1	1.8	0.60	45	0.47	25	
51	± 1.0	1.3	± 0.2/- 0.1	1.8	0.60	51	0.51	25	
60	± 1.0	1.4	± 0.2/- 0.1	1.5	0.53	60	0.62	25	
63	± 1.0	1.4	± 0.2/- 0.1	1.5	0.53	63	0.62	25	
70	± 1.5	1.4	± 0.2/- 0.1	1.5	0.50	70	0.72	25	
76	± 1.5	1.4	± 0.2/- 0.1	1.5	0.43	76	0.77	25	
80	± 1.5	1.4	± 0.2/- 0.1	1.3	0.43	80	0.83	25	
90	± 1.5	1.4	± 0.2/- 0.1	1.3	0.43	90	0.94	25	
100	± 1.5	1.5	± 0.2/- 0.1	1.3	0.35	100	1.06	25	
102	± 1.5	1.5	± 0.2/- 0.1	1.3	0.35	102	1.06	25	
120	± 1.5	1.5	± 0.2/- 0.1	0.8	0.32	120	1.31	10	
125	± 1.5	1.5	± 0.2/- 0.1	0.8	0.32	125	1.40	10	
140	± 1.5	1.6	± 0.2/- 0.1	0.5	0.32	140	1.62	10	
152	± 2.0	1.6	± 0.2/- 0.1	0.5	0.24	152	1.78	10	
160	± 2.0	1.6	± 0.2/- 0.1	0.5	0.19	160	1.90	10	
180	± 2.0	1.7	± 0.2/- 0.1	0.4	0.15	180	2.26	10	
200	± 2.0	1.8	± 0.2/- 0.1	0.3	0.12	200	2.57	10	
250	± 2.0	1.9	± 0.2/- 0.1	0.3	0.12	250	3.57	10	

Technical data for working conditions at 20 °C temperature.

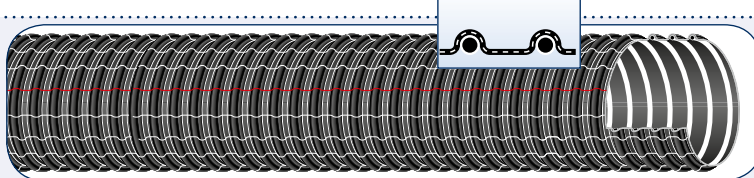
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GSV

INDUSTRIAL MAINTENANCE

Industrial ducting/PVC



Applications

A highly flexible, robust ducting which has many uses, including air handling, dust and fume extraction. Particularly suitable for domestic and industrial vacuum cleaners because of its handling properties and its attractive appearance.

Advantages

- Light in weight and easy to handle.
- Multi-ply construction and steel helix for high flexibility.
- Non kink on sharp bends, ensuring maximum flow.
- High tensile strength and excellent flex life due to axial and helical yarns.
- Double walled construction giving good abrasion resistance.
- Very specific design, unrivaled product.

Technical description

Inner tube: PVC, black.

Reinforcement: axial and helical synthetic fibre, yarns with white PVC-coated visible steel helix embedded in wall.

Cover: PVC, transparent, corrugated.

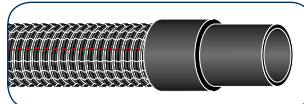
Temperature range: - 5 °C to + 80 °C.

Electrical properties: non conductive. Both ends of the helix can be exposed and connected to the couplings/fittings, if conductivity is required.

Couplings/Fittings

Standard: connexion by clamp.

Option: black PVC fitting can be screwed into the ducting, left hand pitch, ID 25, 32, 38, 51, 63 mm are available on request.



ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	0.65	± 0.03	1.00	0.90	12	0.23	2 x 15	
29	0.65	± 0.03	1.00	0.89	12	0.24	2 x 15	
32	0.65	± 0.03	0.98	0.89	16	0.27	2 x 15	
35	0.65	± 0.03	0.98	0.86	16	0.34	2 x 15	
38	0.65	± 0.03	0.94	0.79	20	0.37	2 x 15	
41	0.65	± 0.03	0.94	0.75	20	0.40	2 x 15	
44	0.65	± 0.03	0.90	0.71	22	0.43	2 x 15	
51	0.65	± 0.03	0.90	0.58	23	0.49	2 x 15	
60	0.65	± 0.03	0.84	0.53	25	0.55	15	
63	0.65	± 0.03	0.84	0.52	32	0.61	15	
70	0.65	± 0.03	0.84	0.48	35	0.70	10	
76	0.65	± 0.03	0.81	0.48	35	0.85	10	
80	0.65	± 0.03	0.81	0.47	36	0.98	10	
89	0.65	± 0.03	0.81	0.46	36	0.98	10	
102	0.65	± 0.03	0.79	0.46	36	1.16	10	

Technical data for working conditions at 20 °C temperature.

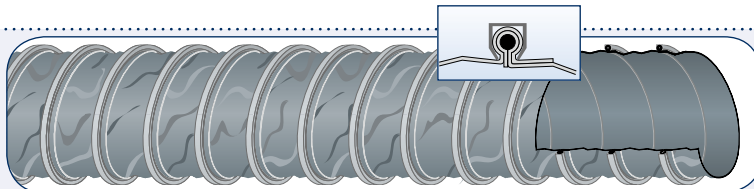
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GM1V

INDUSTRIAL MAINTENANCE

Industrial ducting/PVC



Applications

Ultra flexible ducting for air conditioning, ventilation, and fume extraction with flame resistant properties.

Advantages

- Light weight and easy to handle.
- External helix giving effective protection against abrasion.
- Highly compressible and therefore easy to transport and store.
- Mechanically locked construction (solvent free).
- Fluids are not in contact with the metallic clip helix (resistant to corrosion).

Technical description

PVC-coated glass fibre cord, grey.

Reinforcement: corrosion-resistant metal clipped helix.

Temperature range: - 30 °C to + 100 °C.

Standard/Approval: fire resistant according to the french regulation M1.

Couplings/Fittings

Standard: connexion by clamp.

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
51	0.2	± 0.02	0.85	0.32	25	0.40	10	
60	0.2	± 0.02	0.68	0.22	30	0.50	10	
65	0.2	± 0.02	0.68	0.22	32	0.55	10	
76	0.2	± 0.02	0.47	0.14	38	0.60	10	
80	0.2	± 0.02	0.43	0.12	40	0.63	10	
90	0.2	± 0.02	0.30	0.08	45	0.64	10	
102	0.2	± 0.02	0.30	0.08	50	0.65	10	
127	0.2	± 0.02	0.21	0.05	63	0.80	10	
152	0.2	± 0.02	0.16	0.04	75	0.90	10	
160	0.2	± 0.02	0.14	0.03	80	0.94	10	
180	0.2	± 0.02	0.12	0.02	90	1.05	10	
203	0.2	± 0.02	0.10	0.02	101	1.21	10	
254	0.2	± 0.02	0.07	0.01	127	1.70	10	
305	0.2	± 0.02	0.05	0.01	152	2.13	10	
407	0.2	± 0.02	0.03	0.01	203	2.90	5	
508	0.2	± 0.02	0.02	0.01	254	3.90	5	

Technical data for working conditions at 20 °C temperature.

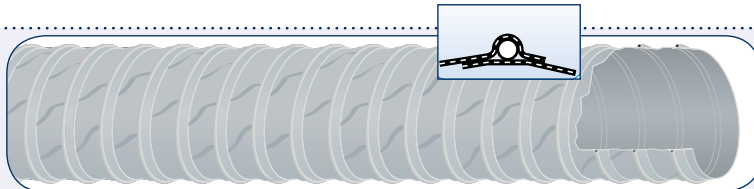
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GM1V-S

INDUSTRIAL MAINTENANCE

Industrial ducting/PVC



Applications

Ultra light weight and flexible ducting, highly flame resistant for:

- air conditioning and ventilation,
- ventilation of enclosed working places,
- fumes and hot particles.

Use when a risk of fire exists or when the french M1 standard is required.

Advantages

- Highly flame resistant.
- Good value for money.
- Light weight and easy to handle.
- Compressible, easy to transport and store.
- Wide range of diameters.

Technical description

PVC-coated glass fibre cord, grey.

Reinforcement: embedded steel helix.

Temperature range: - 30 °C to + 100 °C.

Standard/Approval: fire resistant according to the french regulation M1.

Couplings/Fittings

Standard: connexion by clamp.

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
30	0.2	± 0.02	0.90	0.26	51	0.11	10	
35	0.2	± 0.02	0.90	0.26	17	0.13	10	
40	0.2	± 0.02	0.90	0.20	20	0.15	10	
45	0.2	± 0.02	0.90	0.20	22	0.17	10	
50	0.2	± 0.02	0.80	0.20	25	0.18	10	
51	0.2	± 0.02	0.80	0.20	25	0.18	10	
60	0.2	± 0.02	0.80	0.16	30	0.21	10	
70	0.2	± 0.02	0.70	0.14	35	0.25	10	
75	0.2	± 0.02	0.60	0.10	37	0.26	10	
76	0.2	± 0.02	0.60	0.10	38	0.26	10	
80	0.2	± 0.02	0.60	0.10	40	0.28	10	
90	0.2	± 0.02	0.50	0.10	45	0.31	10	
100	0.2	± 0.02	0.50	0.09	50	0.35	10	
102	0.2	± 0.02	0.50	0.09	51	0.35	10	
110	0.2	± 0.02	0.50	0.09	55	0.35	10	
120	0.2	± 0.02	0.50	0.08	60	0.35	10	
125	0.2	± 0.02	0.50	0.08	62	0.40	10	
127	0.2	± 0.02	0.50	0.08	63	0.40	10	
130	0.2	± 0.02	0.50	0.08	65	0.41	10	
140	0.2	± 0.02	0.35	0.06	70	0.45	10	
150	0.2	± 0.02	0.20	0.06	75	0.53	10	
152	0.2	± 0.02	0.20	0.06	76	0.53	10	
160	0.2	± 0.02	0.20	0.06	80	0.53	10	
180	0.2	± 0.02	0.20	0.05	90	0.68	10	
200	0.2	± 0.02	0.20	0.05	100	0.76	10	
203	0.2	± 0.02	0.20	0.05	101	0.78	10	
250	0.2	± 0.02	0.10	0.04	125	0.95	10	
254	0.2	± 0.02	0.10	0.04	127	1.00	10	
300	0.2	± 0.02	0.06	0.03	150	1.14	10	
305	0.2	± 0.02	0.06	0.03	152	1.20	10	
350	0.2	± 0.02	0.04	0.02	175	1.81	10	
355	0.2	± 0.02	0.04	0.02	178	1.83	10	
400	0.2	± 0.02	0.04	0.02	200	1.81	5	
450	0.2	± 0.02	0.04	0.02	225	2.03	5	
500	0.2	± 0.02	0.02	0.02	250	2.26	5	

Technical data for working conditions at 20 °C temperature.

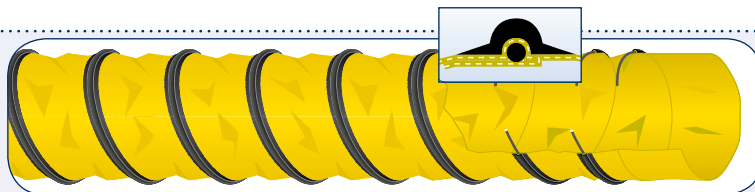
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GLV

INDUSTRIAL MAINTENANCE

Industrial ducting/PVC



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.

Advantages

- Extremely flexible.
- Light weight and custom-made.
- Highly compressible and therefore easy to transport and store.
- Wide range of diameters.

Technical description

PVC-coated polyester fibre cord, yellow, sewn in spiral onto a spring steel helix. An exterior black PVC cuff strip protects the helix.

Temperature range: 0 °C to + 95 °C.

Standard/Approval: fire resistant according to the french regulation M2.

Couplings/Fittings

Standard: connexion by clamp.

Option on request: coupling ring and clamp.

Accessories and cuffs: see opposite.

Complementary information

Standard production length = 7.5 m (with standard cuffs).

Other lengths on request (min. length = 0.5 m).

Packaging in card board boxes.

ID mm	Wall thickness mm	Cuff length mm	Working pressure bar	Max. vacuum bar	Weight kg/m	Length m	Notes
125	0.22	± 0.02	100	0.55	0.045	0.59	7.5
150	0.22	± 0.02	100	0.40	0.042	0.79	7.5
160	0.22	± 0.02	100	0.40	0.042	0.84	7.5
170	0.22	± 0.02	100	0.40	0.042	0.89	7.5
180	0.22	± 0.02	100	0.40	0.042	0.95	7.5
200	0.22	± 0.02	150	0.35	0.034	0.95	7.5
225	0.22	± 0.02	150	0.35	0.032	1.05	7.5
250	0.22	± 0.02	150	0.30	0.031	1.17	7.5
300	0.22	± 0.02	150	0.25	0.025	1.41	7.5
350	0.22	± 0.02	180	0.20	0.022	1.75	7.5
400	0.22	± 0.02	180	0.15	0.022	2.01	7.5
450	0.22	± 0.02	180	0.15	0.020	2.26	7.5
500	0.22	± 0.02	180	0.15	0.020	2.51	7.5
600	0.22	± 0.02	180	0.10	0.020	3.01	7.5
700	0.22	± 0.02	180	0.05	0.016	3.51	7.5
750	0.22	± 0.02	250	0.05	0.014	3.53	7.5
800	0.22	± 0.02	250	0.03	0.012	3.77	7.5
850	0.22	± 0.02	250	0.03	0.010	4.00	7.5
900	0.22	± 0.02	250	0.03	0.008	4.24	7.5
950	0.22	± 0.02	250	0.03	0.006	4.48	7.5
1000	0.22	± 0.02	250	0.03	0.005	4.71	7.5

Technical data for working conditions at 20 °C temperature.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

Standard cuff



Blank end



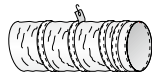
Reduction



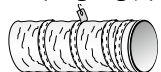
Increase



Grommets for overhead suspension



Coupling ring (option)



Quick coupling



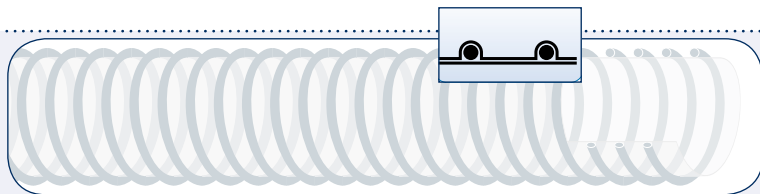
Carrier bag (option)



KLEGAINE GPU-FG

INDUSTRIAL MAINTENANCE

Industrial ducting/PUR



Applications

Food grade ducting, very smooth.

Ideal for suction and transport of abrasive materials, powders and granules in food industry, drugs in pharmaceutical laboratories.

Industrial vacuum cleaners and floor care applications, lawn movers and rock wool projection.

Wood working industries.

Wire conduit for robotics, X-ray machine.

Advantages

■ Food grade polyurethane.

■ Good resistance to abrasion, piercing and impacts.

■ Outstanding flex-resistance, thanks to the bonding of the PVC helix and polyurethane wall.

■ Very resistant to hydrolyze and micro-biological attacks.

■ Light, flexible at low temperature. Smooth inner liner ensures optimum flow.

■ Good resistance to ozone and UV.

■ Good resistance to many oils, solvents, industrial chemicals in the vapour phase at moderate concentration.

Technical description

Ether-base polyurethane wall, transparent, smooth inside.

Reinforcement: hard PVC impact resistant helix embedded in the polyurethane wall.

Temperature range: - 30 °C to + 80 °C.

Electrical properties:

Non conductive.

Option: copper string PVC-coated to obtain electric equipotentiality.

Special properties:

Abrasion ISO 4649: 40 mm³.

Food grade quality.

Standard/Approval:

EU regulation 10/2011/CE.

Couplings/Fittings

Standard: connexion by clamp.

Option: can be screwed into the couplings.



ID mm		Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
20	± 0.5	0.5	+ 0.2/- 0.1	1.50	0.60	14	0.15	20	
25	± 0.5	0.5	+ 0.2/- 0.1	1.50	0.60	17	0.18	20	
30	± 0.5	0.5	+ 0.2/- 0.1	1.50	0.60	21	0.20	20	
32	± 0.5	0.5	+ 0.2/- 0.1	1.50	0.60	22	0.21	20	
35	± 1.0	0.5	+ 0.2/- 0.1	1.20	0.60	24	0.23	20	
38	± 1.0	0.5	+ 0.2/- 0.1	1.20	0.60	27	0.24	20	
40	± 1.0	0.5	+ 0.2/- 0.1	1.15	0.50	28	0.25	20	
45	± 1.0	0.5	+ 0.2/- 0.1	1.15	0.50	31	0.28	20	
51	± 1.0	0.5	+ 0.2/- 0.1	1.15	0.48	35	0.32	20	
60	± 1.0	0.5	+ 0.2/- 0.1	1.00	0.30	42	0.39	20	
63	± 1.0	0.5	+ 0.2/- 0.1	1.00	0.30	44	0.39	20	
70	± 1.5	0.5	+ 0.2/- 0.1	1.00	0.26	49	0.50	20	
76	± 1.5	0.6	+ 0.2/- 0.1	1.00	0.16	52	0.55	20	
80	± 1.5	0.6	+ 0.2/- 0.1	1.00	0.16	56	0.60	20	
90	± 1.5	0.6	+ 0.2/- 0.1	1.00	0.16	63	0.70	20	
100	± 1.5	0.6	+ 0.2/- 0.1	1.00	0.16	70	0.81	20	
102	± 1.5	0.6	+ 0.2/- 0.1	1.00	0.16	70	0.81	20	
120	± 1.5	0.6	+ 0.2/- 0.1	0.80	0.16	84	0.95	20	
125	± 1.5	0.6	+ 0.2/- 0.1	0.80	0.16	87	1.15	20	
140	± 1.5	0.6	+ 0.2/- 0.1	0.60	0.16	98	1.28	20	
152	± 2.0	0.7	+ 0.2/- 0.1	0.60	0.16	105	1.40	20	
160	± 2.0	0.7	+ 0.2/- 0.1	0.50	0.16	112	1.60	20	
180	± 2.0	0.7	+ 0.2/- 0.1	0.50	0.16	126	1.85	10	
200	± 2.0	0.7	+ 0.2/- 0.1	0.40	0.16	140	2.00	10	
250	± 2.0	0.7	+ 0.2/- 0.1	0.30	0.15	175	2.50	10	

Technical data for working conditions at 20 °C temperature.

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

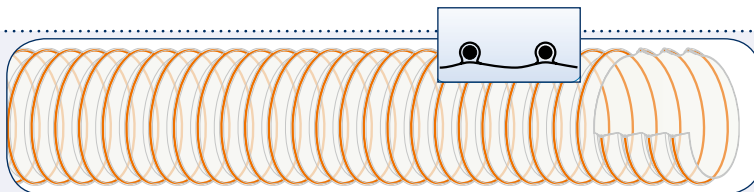
Option EC: non stock.

No branding.

KLEGAINE GPU-M

INDUSTRIAL MAINTENANCE

Industrial ducting/PUR



Applications

Ideal in the wood working industries, foundries and other general applications.
Ideal for the conveyance of powders, abrasives particles, dust, sawdust, chips, textile fibers, metal filings.

Industrial vacuum cleaners.

Suitable for fume extraction in chemical and oil industries.

Wire conduit in robots and machine tool.

Advantages

- Light and very flexible, flexible at low temperature.
- Outstanding resistance to abrasion and piercing.
- Excellent flex properties and resistance when used in motion.
- Copper-coated steel helix, crush resistant.
- Very smooth inner tube ensures optimum flow.
- Good resistance to ozone and UV.
- Good resistance to most of oils, solvents and industrial chemicals in the vapour phase at moderate concentration.

Technical description

Ester-base polyurethane wall, transparent, smooth inside.

Reinforcement: copper-coated steel helix.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: non conductive. Both ends of the helix can be connected to the couplings/fittings, if conductivity is required.

Special properties:

Abrasion ISO 4649: 30 mm³.

Halogen and plastiziser free.

Couplings/Fittings

Standard: connexion by clamp.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	0.50	± 0.05	1.65	0.40	25	0.16	10
30	0.50	± 0.05	1.60	0.38	30	0.18	10
35	0.50	± 0.05	1.40	0.30	35	0.22	10
40	0.50	± 0.05	1.40	0.30	40	0.28	10
45	0.50	± 0.05	1.40	0.30	45	0.28	10
50	0.50	± 0.05	1.30	0.29	50	0.37	10
51	0.50	± 0.05	1.30	0.29	51	0.38	10
60	0.50	± 0.05	1.10	0.26	60	0.48	10
65	0.50	± 0.05	1.10	0.26	65	0.48	10
70	0.50	± 0.05	0.90	0.26	70	0.48	10
75	0.50	± 0.05	0.80	0.21	75	0.60	10
76	0.50	± 0.05	0.80	0.21	76	0.60	10
80	0.50	± 0.05	0.70	0.18	80	0.62	10
90	0.50	± 0.05	0.70	0.18	90	0.71	10
100	0.55	± 0.05	0.60	0.16	100	0.79	10
102	0.55	± 0.05	0.60	0.16	102	0.80	10
110	0.55	± 0.05	0.50	0.16	110	0.83	10
120	0.55	± 0.05	0.45	0.12	120	0.90	10
125	0.55	± 0.05	0.40	0.12	125	0.95	10
130	0.55	± 0.05	0.40	0.12	130	1.00	10
140	0.55	± 0.05	0.30	0.10	140	1.10	10
150	0.55	± 0.05	0.25	0.10	150	1.20	10
160	0.55	± 0.05	0.25	0.10	160	1.35	10
180	0.70	± 0.05	0.20	0.09	180	1.50	10
200	0.70	± 0.05	0.18	0.09	200	1.65	10
203	0.70	± 0.05	0.18	0.09	203	1.67	10
225	0.70	± 0.05	0.15	0.08	225	1.98	10
250	0.70	± 0.05	0.15	0.08	250	2.20	10
300	0.70	± 0.05	0.12	0.06	300	2.60	10
350	0.75	± 0.05	0.10	0.04	350	2.90	10
400	0.75	± 0.05	0.08	0.02	400	3.40	5
500	0.75	± 0.05	0.04	0.01	500	4.20	5

Technical data for working conditions at 20 °C temperature.

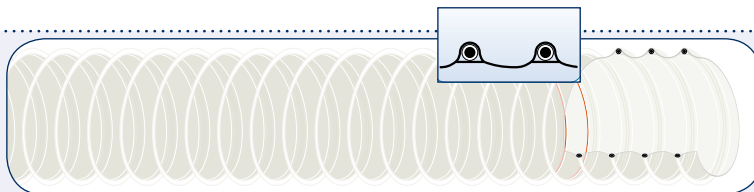
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GPU-MS

INDUSTRIAL MAINTENANCE

Industrial ducting/PUR



Applications

A highly flexible and robust ducting.

For use in many industries such as metallurgy, wood working, food, pharmaceutical industries.

Ideal for the conveyance of grains, granules, sawdust and wood chips, metal filings in humid and/or warm conditions.

Specially suitable for street vacuum cleaners and lawn mowers. Flame retardant according to DIN4102B1 or antistatic material in option.

Advantages

- Light and easy to handle.
- Non toxic polyurethane resisting to hydrolysis and microbiological attack.
- Outstanding resistance to abrasion and piercing.
- Excellent mechanical flexibility due to perfect cohesion of components (PVC-coated spring steel helix welded to polyurethane wall).
- Smooth inner tube ensures optimum flow.
- Good resistance to ozone and ultraviolet light.
- Good resistance to most of oils, solvents, and industrial chemicals in the vapour phase at moderate concentration.

Technical description

Ether-base polyurethane wall, transparent, smooth inside.

Reinforcement: white PVC-coated steel helix.

Temperature range: - 30 °C to + 100 °C.

Electrical properties:

Standard: non conductive.

Option antistatic, $R < 10^8 \Omega/m$: consult us.

Special properties:

Abrasion ISO 4649: 40 mm³.

Option flame retardant, DIN 4102B1: consult us.

Halogen and plastiziser free.

Standard/Approval: complies with european directive 10/2011/CE.

Couplings/Fittings

Standard: connexion by clamp.

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	0.7	± 0.05	1.70	0.60	13	0.18	10	
30	0.7	± 0.05	1.70	0.60	15	0.22	10	
32	0.7	± 0.05	1.70	0.60	16	0.23	10	
35	0.7	± 0.05	1.70	0.60	17	0.25	10	
38	0.7	± 0.05	1.70	0.60	19	0.27	10	
40	0.7	± 0.05	1.50	0.50	20	0.29	10	
45	0.7	± 0.05	1.50	0.50	22	0.32	10	
51	0.7	± 0.05	1.50	0.50	25	0.37	10	
60	0.7	± 0.05	1.50	0.50	30	0.43	10	
65	0.7	± 0.05	1.50	0.50	32	0.47	10	
70	0.7	± 0.05	1.30	0.40	35	0.48	10	
76	0.7	± 0.05	1.30	0.40	38	0.52	10	
80	0.7	± 0.05	1.00	0.30	40	0.55	10	
90	0.7	± 0.05	1.00	0.30	45	0.62	10	
102	0.7	± 0.05	1.00	0.30	51	0.69	10	
112	0.7	± 0.05	0.70	0.20	56	0.89	10	
120	0.7	± 0.05	0.70	0.20	60	0.95	10	
125	0.7	± 0.05	0.70	0.20	62	0.99	10	
130	0.7	± 0.05	0.70	0.20	65	1.05	10	
140	0.7	± 0.05	0.70	0.15	70	1.10	10	
152	0.7	± 0.05	0.70	0.15	76	1.19	10	
160	0.7	± 0.05	0.40	0.10	80	1.26	10	
180	0.7	± 0.05	0.40	0.10	90	1.42	10	
203	0.7	± 0.05	0.40	0.10	101	1.87	10	
232	0.7	± 0.05	0.40	0.10	116	2.20	10	
254	0.7	± 0.05	0.30	0.08	125	2.36	10	
300	0.7	± 0.05	0.30	0.08	150	2.79	10	
305	0.7	± 0.05	0.30	0.08	152	2.81	10	
350	0.7	± 0.05	0.30	0.08	175	3.30	10	
400	0.7	± 0.05	0.15	0.08	200	5.12	5	
500	0.7	± 0.05	0.15	0.08	250	6.40	5	

Technical data for working conditions at 20 °C temperature.

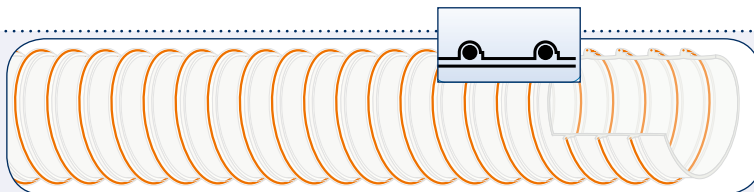
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GPU-S

INDUSTRIAL MAINTENANCE

Industrial ducting/PUR



Applications

Very robust ducting.

Ideal for the conveyance of highly abrasive materials such as metal filings, sand, gravel, ice, etc., in glass works, steel industry, mineral treatment, ports, cement works, big industrial vacuum cleaners.

Advantages

- Outstanding resistance to abrasion and piercing.
- Copper-coated steel helix resists to crushing, pressure, vacuum. It is bonded into the polyurethane wall.
- Very smooth inner tube ensures optimum flow.
- Good resistance to ozone and UV.
- Resistance to most of oils, solvents and industrial chemicals in the vapour phase at moderate concentration.

Technical description

Very thick ester-base polyurethane wall, transparent, smooth inside.

Reinforcement: copper-coated steel helix protected in the abrasion area.

Temperature range: - 30 °C to + 100 °C.

Special properties:

Abrasion ISO 4649: 30 mm³.

Halogen and plastiziser free.

Couplings/Fittings

Standard: connexion by clamp.

Option: can be screwed into the couplings.

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
40	1.25	± 0.05	2.3	0.70	40	0.56	10	
50	1.30	± 0.05	1.9	0.60	50	0.67	10	
51	1.30	± 0.05	1.9	0.60	50	0.68	10	
60	1.30	± 0.05	1.8	0.55	60	0.79	10	
65	1.30	± 0.05	1.5	0.50	65	0.85	10	
70	1.30	± 0.05	1.5	0.50	70	0.92	10	
76	1.30	± 0.05	1.2	0.50	76	1.01	10	
80	1.40	± 0.05	1.2	0.45	80	1.09	10	
90	1.40	± 0.05	1.1	0.45	90	1.23	10	
100	1.40	± 0.05	1.1	0.40	100	1.36	10	
102	1.40	± 0.05	1.1	0.40	100	1.36	10	
110	1.40	± 0.05	1.0	0.35	110	1.38	10	
120	1.40	± 0.05	0.9	0.30	120	1.42	10	
127	1.40	± 0.05	0.8	0.25	127	1.57	10	
140	1.40	± 0.05	0.7	0.20	140	1.75	10	
150	1.40	± 0.05	0.7	0.20	150	1.82	10	
160	1.40	± 0.05	0.6	0.20	160	2.15	10	
180	1.40	± 0.05	0.5	0.15	180	2.55	10	
200	1.40	± 0.05	0.5	0.15	200	2.92	10	
203	1.40	± 0.05	0.5	0.15	203	2.97	10	
225	1.40	± 0.05	0.3	0.10	225	3.21	10	
250	1.40	± 0.05	0.3	0.10	250	3.57	10	
254	1.40	± 0.05	0.3	0.10	254	3.65	10	
300	1.40	± 0.05	0.3	0.10	300	4.31	10	

Technical data for working conditions at 20 °C temperature.

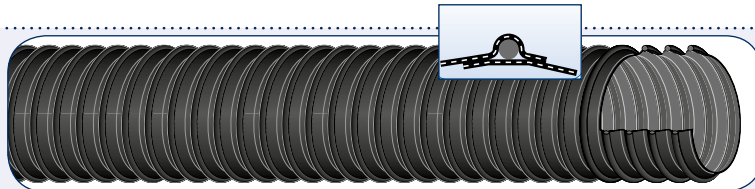
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GTPK

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

Transport of hot or cold air for various mechanical and industrial applications:

- hot air for granule drying systems in the plastics industry,
- flexible conduit for cooling engines (cool and pure air),
- flexible conduit for air-conditioning and ventilation systems for motor vehicles and boat,
- exhaust of solvent fumes (printing, painting).

For handling air and fumes in hard environments (high temperatures, vibration, chemical attacks).

Advantages

- Light weight and easy to handle.
- Highly flexible (cross-sectional area maintained when bent).
- Very elastic long-term resistance to the fatiguing effects.
- Excellent resistance to ozone, ageing and abrasion.
- Good resistance to most oils, greases, solvents, industrial chemicals in the vapour phase at moderate concentration.
- Impermeable to gases.
- Flexible at low temperatures.

Technical description

TPE-coated polyester cord, black, corrugated.

Reinforcement: steel embedded helix.

Temperature range: - 40 °C to + 130 °C (intermittent: + 150 °C).

Electrical properties: non conductive. Both ends of the helix can be connected to the couplings/fittings, if conductivity is required.

Couplings/Fittings

Standard: connexion by clamp.

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	0.4	± 0.03	1.70	0.45	18	0.11	10	
29	0.4	± 0.03	1.60	0.40	21	0.13	10	
32	0.4	± 0.03	1.60	0.40	21	0.15	10	
35	0.4	± 0.03	1.60	0.35	24	0.16	10	
38	0.4	± 0.03	1.50	0.30	28	0.24	10	
41	0.4	± 0.03	1.50	0.30	28	0.26	10	
44	0.4	± 0.03	1.50	0.30	28	0.29	10	
51	0.4	± 0.03	1.30	0.28	35	0.32	10	
60	0.4	± 0.03	1.20	0.26	42	0.39	10	
63	0.4	± 0.03	1.00	0.23	49	0.40	10	
70	0.4	± 0.03	1.00	0.23	70	0.45	10	
76	0.4	± 0.03	0.90	0.22	53	0.48	10	
80	0.4	± 0.03	0.80	0.20	56	0.54	10	
89	0.4	± 0.03	0.70	0.18	62	0.61	10	
102	0.4	± 0.03	0.60	0.17	70	0.69	10	
127	0.4	± 0.03	0.50	0.13	88	0.88	10	
130	0.4	± 0.03	0.50	0.13	91	0.90	10	
150	0.4	± 0.03	0.25	0.10	105	0.99	10	
152	0.4	± 0.03	0.25	0.10	105	0.99	10	
160	0.4	± 0.03	0.25	0.10	112	1.05	10	
180	0.4	± 0.03	0.25	0.10	126	1.18	10	
200	0.4	± 0.03	0.20	0.08	140	1.62	10	
203	0.4	± 0.03	0.20	0.08	140	1.65	10	
250	0.4	± 0.03	0.12	0.07	175	2.03	10	
300	0.4	± 0.03	0.08	0.05	210	2.44	10	
350	0.4	± 0.03	0.08	0.05	210	2.44	10	
400	0.4	± 0.03	0.07	0.04	280	3.25	5	
500	0.4	± 0.03	0.06	0.03	350	4.05	5	

Technical data for working conditions at 20 °C temperature.

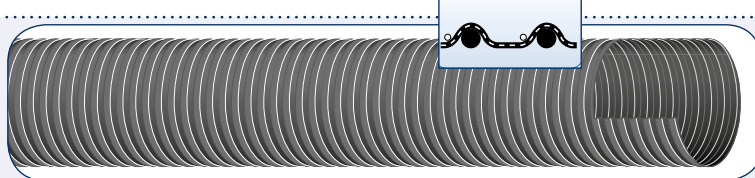
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GTNR

INDUSTRIAL MAINTENANCE

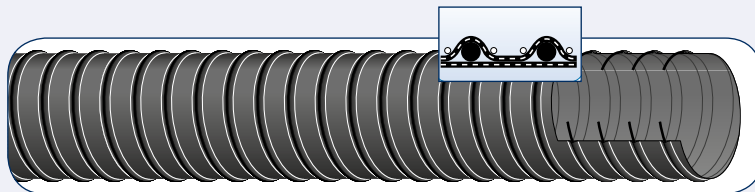
Industrial ducting/Elastomer-coated fibre cord



KLEGAINE GTNR +

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

For conveying hot and cold air, fumes or light non-abrasive dust at low pressures when maximum flexibility is required.
For light duty service conditions.
Excellent for installations where space is at a premium and manoeuvrability is required.
Ideal for air intake to cool motors.

Advantages

- Light weight and easy to handle.
- Highly compressible to minimise storage.
- Good low temperature flexibility.
- Good resistance to many oils, greases, solvents and industrial chemicals in the vapour phase at moderate concentration.
- Smooth inner tube for optimum flow (only KLEGAINE GTNR +).
- Double neoprene wall (only KLEGAINE GTNR +).

Technical description

Neoprene-coated glass fibre cord, black, reinforced by 1 (KLEGAINE GTNR) or 2 (KLEGAINE GTNR +) white glass fibre yarn, corrugated cover.

Reinforcement: steel helix, visible (KLEGAINE GTNR) / neoprene-coated glass fibre cord, black, reinforced by two white glass fibre yarns (KLEGAINE GTNR +).

Temperature range: - 50 °C to + 150 °C.

Couplings/Fittings

Standard: connexion by clamp.

Complementary information

Available with a variety of factory fitted cuff styles on request.

Length > 4 m, ID ≥ 25 mm: consult us (possible production length up to 10 m with 2 joints).

ID mm	Wall thickness mm		Working pressure bar		Max. vacuum bar		Bending radius mm		Weight kg/m		Length m	Notes
	GTNR	GTNR +	GTNR	GTNR +	GTNR	GTNR +	GTNR	GTNR +	GTNR	GTNR +		
19	0.35	0.65	1.43	2.17	0.50	0.50	10	10	0.09	0.13	2.5 - 4	
25	0.35	0.65	1.33	1.97	0.50	0.50	12	14	0.13	0.15	4	
32	0.35	0.65	1.23	1.78	0.50	0.50	16	18	0.15	0.20	4	
38	0.35	0.65	1.20	1.68	0.50	0.41	19	20	0.17	0.23	4	
41	0.35	0.65	1.18	1.68	0.45	0.41	20	20	0.19	0.25	4	
44	0.35	0.65	1.18	1.68	0.45	0.41	20	20	0.21	0.26	4	
51	0.35	0.65	1.18	1.68	0.41	0.41	22	25	0.25	0.30	4	
55	-	0.65	-	1.58	-	0.40	-	26	-	0.30	4	
60	0.35	0.65	1.04	1.48	0.41	0.38	26	28	0.29	0.34	4	
63	0.35	0.65	1.04	1.38	0.41	0.33	26	30	0.31	0.36	4	
70	0.35	0.65	1.04	1.38	0.36	0.33	26	33	0.38	0.42	4	
76	0.35	0.65	1.04	1.38	0.33	0.33	27	34	0.42	0.46	4	
80	0.35	0.65	0.99	1.38	0.30	0.30	28	35	0.47	0.48	4	
89	0.35	0.65	0.89	1.18	0.29	0.29	29	36	0.52	0.53	4	
102	0.35	0.65	0.84	0.99	0.25	0.25	33	38	0.56	0.60	4	
114	0.35	0.65	0.74	0.79	0.18	0.23	35	40	0.70	0.75	4	
121	0.35	0.65	0.69	0.69	0.17	0.23	35	40	0.77	0.80	4	
127	0.35	0.65	0.69	0.69	0.16	0.21	38	41	0.80	0.85	4	
140	0.35	0.65	0.69	0.54	0.13	0.16	43	48	0.95	1.07	4	
152	0.35	0.65	0.69	0.54	0.13	0.16	43	55	1.04	1.10	4	
165	0.35	0.65	0.49	0.44	0.10	0.10	48	62	1.18	1.22	4	
178	0.35	0.65	0.49	0.44	0.10	0.10	53	65	1.21	1.27	4	
203	0.35	0.65	0.49	0.35	0.07	0.07	57	80	1.39	1.42	4	
215	0.35	-	0.49	-	0.07	-	62	-	1.39	-	4	
229	0.35	-	0.40	-	0.06	-	68	-	1.81	-	4	
254	0.35	-	0.32	-	0.04	-	72	-	2.00	-	4	
305	0.35	-	0.26	-	0.03	-	85	-	2.41	-	4	

Technical data for working conditions at 20 °C temperature.

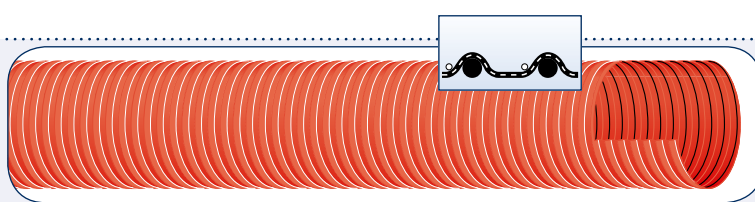
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GTSI

INDUSTRIAL MAINTENANCE

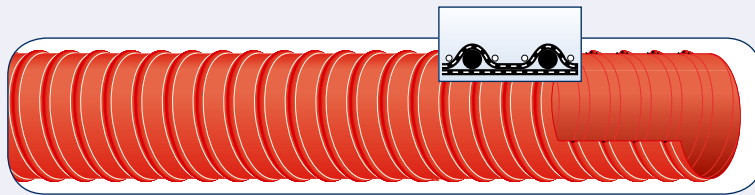
Industrial ducting/Elastomer-coated fibre cord



KLEGAINE GTSI +

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

Extreme temperature ducting for conveying air and fumes when maximum flexibility is required.
Excellent for installations where space is at a premium and manoeuvrability is required.
For chemical environments and working conditions at extremes of temperature.
Ideal for air intake to cool motors.

Advantages

- Light weight and easy to handle.
- Highly compressible to minimise storage.
- Good low temperature flexibility.
- Excellent heat ageing characteristics.
- Resistance to many oils, greases, solvents, and industrial chemicals in the vapour phase at moderate concentration.
- Smooth inner tube for optimum flow (only KLEGAINE GTSI +).
- Double silicone wall (only KLEGAINE GTSI +).

Technical description

Silicone-coated glass fibre cord, red, reinforced by 1 (KLEGAINE GTSI) or 2 (KLEGAINE GTSI +) white glass fibre yarn, corrugated cover.

Reinforcement: steel helix, visible (KLEGAINE GTSI) / Silicone-coated glass fibre cord, red, reinforced by two white glass fibre yarns (KLEGAINE GTSI +).

Temperature range: - 60 °C to + 300 °C.

Couplings/Fittings

Standard: connexion by clamp.

Complementary information

Available with a variety of factory fitted cuff styles on request.
Length > 4 m, ID ≥ 25 mm: consult us (possible production length up to 0 m with 2 joints).

ID mm	Wall thickness mm		Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
19	0.35	± 0.03	1.43	0.50	10	0.12	2.5	
25	0.35	± 0.03	1.38	0.50	12	0.14	4	
32	0.35	± 0.03	1.33	0.50	16	0.17	4	
38	0.35	± 0.03	1.23	0.41	19	0.20	4	
41	0.35	± 0.03	1.23	0.41	20	0.23	4	
44	0.35	± 0.03	1.23	0.41	20	0.26	4	
51	0.35	± 0.03	1.23	0.41	22	0.32	4	
60	0.35	± 0.03	1.18	0.41	26	0.38	4	
63	0.35	± 0.03	0.99	0.33	26	0.40	4	
70	0.35	± 0.03	0.99	0.33	26	0.49	4	
76	0.35	± 0.03	0.99	0.33	27	0.56	4	
80	0.35	± 0.03	0.94	0.30	28	0.59	4	
83	0.35	± 0.03	0.94	0.30	28	0.61	4	
89	0.35	± 0.03	0.94	0.29	29	0.65	4	
102	0.35	± 0.03	0.89	0.25	33	0.75	4	
114	0.35	± 0.03	0.74	0.22	35	0.92	4	
121	0.35	± 0.03	0.74	0.22	35	0.99	4	
127	0.35	± 0.03	0.69	0.21	38	1.04	4	
140	0.35	± 0.03	0.69	0.16	43	1.30	4	
152	0.35	± 0.03	0.69	0.16	43	1.40	4	
165	0.35	± 0.03	0.49	0.10	48	1.49	4	
178	0.35	± 0.03	0.49	0.10	53	1.53	4	
203	0.35	± 0.03	0.49	0.07	57	1.75	4	

Technical data for working conditions at 20 °C temperature.

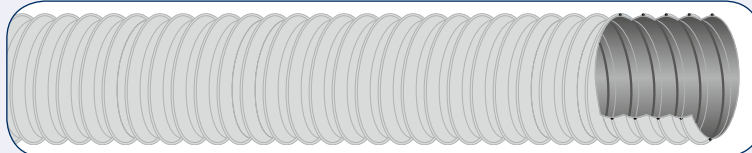
Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

KLEGAINE GHT 450

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

Extreme temperature ducting for conveying hot air, gas and dust in any industrial environment: steel industry, etc.

Advantages

- Good heat resistance.
- Good mechanical resistance, very flexible.
- Compressible.

For more information, www.trelleborg.com/industrialhose.

Technical description

Flexible and lighth ducting, made with 2 layers of coated glass fibre cord. Metal clipped helix.

Colour: inside and outside grey.

Temperature range: - 20 °C to + 450 °C (500 °C temporarily).

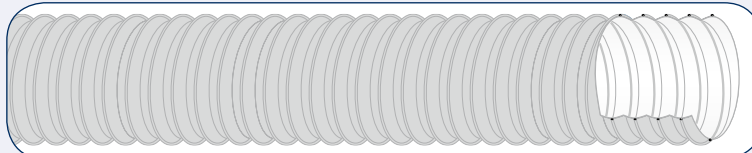
Diameters: from 50 to 900 mm.

Consult us.

KLEGAINE GHT 650

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

Extreme temperature ducting for conveying hot, air, gas and dust in any industrial environment: steel industry.

Advantages

- Good chemical resistance.
- Good heat, ozone and UV resistance.
- Compressible.

For more information, www.trelleborg.com/industrialhose.

Technical description

Flexible and lighth ducting, made with 2 layers of coated glass fibre.

Metal clipped helix.

Color: inside white, outside grey.

Temperature range: - 20 °C to + 650 °C (700 °C temporarily).

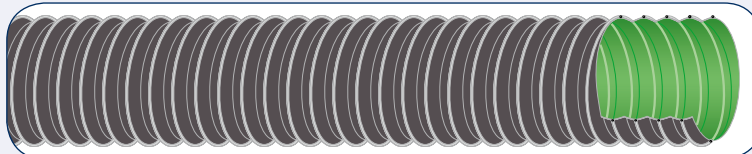
Diameters: from 50 to 900 mm.

Consult us.

KLEGAINE GHYP

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

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

Advantages

- Good chemical resistance.
- Good heat, ozone and UV resistance.
- Compressible.

For more information, www.trelleborg.com/industrialhose.

Technical description

Hypalon coated-polyester.

Metal clipped helix.

Color: inside green, outside black.

Temperature range: - 40 °C to + 175 °C.

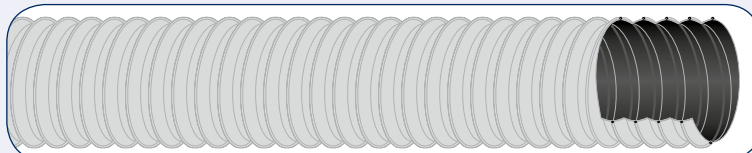
Diameters: from 50 to 900 mm.

Consult us.

KLEGAINE GHYP TEF

INDUSTRIAL MAINTENANCE

Industrial ducting/Elastomer-coated fibre cord



Applications

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

Advantages

- Very good chemical resistance.
- Good heat resistance.
- Compressible.
- Antistatic.

For more information, www.trelleborg.com/industrialhose.

Technical description

Hypalon coated-fibre cord.

Metal clipped helix.

Conductive Teflon®, R < 10⁶ Ω/m.

Color: inside black, outside grey.

Temperature range: - 40 °C to + 175 °C.

Diameters: from 50 to 900 mm.

Consult us.



Performance Hose and Assemblies

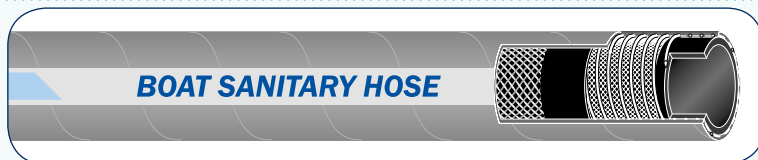
Vehicle

- **Water/Special applications** p. 42
- **Oil** p. 42 to 43
- **Exhaust gas** p. 43 to 44

BOAT SANITARY HOSE

VEHICLE

Water/Special applications



Applications

Effluent hose for leisure boat toilet systems.

Advantages

- Flexible.
- Kink resistant.
- Diffusion tight (will not be tainted by odour from the toilet system).
- Easy cut and crush-proof due to plastic helix.

Technical description

Inner tube: diffusion tight butyl rubber, black.

Reinforcement: synthetic textile with embedded PET helix.

Cover: EPDM, grey, fabric impression.

Temperature range: - 30 °C to + 100 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
16.0	5.25 ± 0.75	27.0 ± 1.00	10	32	0.8	60	0.55	40	
20.0	5.25 ± 0.75	31.0 ± 1.00	10	32	0.8	80	0.63	20 - 40	
25.0	5.25 ± 0.75	36.0 ± 1.00	10	32	0.8	100	0.74	20 - 40	
38.0	5.25 ± 0.75	49.0 ± 1.00	10	32	0.8	160	1.05	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

BOAT SANITARY HOSE

Made in France

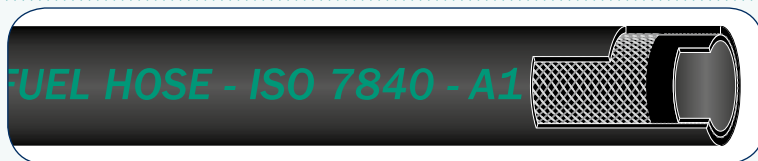


TRELLEBORG

BOAT FUEL HOSE ISO 7840 A1

VEHICLE

Oil



Applications

Fire resistant fuel line hose in boat applications.

In compliance with CEN requirements for leisure boats.

Advantages

- Meets the highest requirement in permeation resistance.
- Certified by International Maritime Certification Institute.

Technical description

Inner tube: NBR, black, smooth.

Reinforcement: synthetic textile braided with embedded steel helix for ID > 25 mm.

Cover: CR, black, smooth for ID ≤ 25 mm, fine fabric impression for ID > 25 mm.

Temperature range: - 30 °C to + 100 °C.

Complementary information

Other dimensions available on request.

Complies also with SAE J 1527 type B1.

ID		Wall thickness	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm		mm	mm	bar	bar	bar	mm	kg/m	m	
5.0	± 0.75	3.75	12.5	± 0.9	10	30	0.80	20	0.15	40
6.3	± 0.75	4.10	14.5	± 0.9	10	30	0.80	23	0.18	40
8.0	± 0.75	4.00	16.0	± 0.9	10	30	0.80	25	0.22	40
10.0	± 0.75	4.25	18.5	± 0.9	10	30	0.80	35	0.28	40
12.5	± 0.75	4.25	21.0	± 0.9	10	30	0.35	45	0.35	40
16.0	± 0.75	4.50	25.0	± 0.9	10	30	0.35	65	0.42	40
19.0	± 0.75	4.75	28.5	± 0.9	10	30	0.35	80	0.51	40
25.0	± 1.25	5.00	35.0	± 1.4	10	30	0.35	110	0.69	40
40.0	± 1.5	7.75	55.5	± 1.5	10	30	0.80	160	1.79	40
50.0	± 1.5	7.75	65.5	± 1.5	10	30	0.80	200	2.11	40
63.0	± 1.5	7.75	78.5	± 1.5	10	30	0.80	250	2.55	40

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding ID 5 to 25 mm:



and: week - year

Branding ID 40 to 63 mm:



and: TRELLEBORG - ISO 7840 - A1 - week - year - CE

HYDRO'ECO

VEHICLE

Oil



Applications

Diesel, leaded and unleaded petrol, RMA (environmental friendly petrol) pressure hose in automotive applications withstanding aromatic content exceeding 50 %.

Oil and grease return lines in hydraulic systems.

Also suitably in other applications for oil, grease, air and water.

Advantages

- Special oil and petrol resistant inner tube.
- Excellent bending radius.
- Flexible at low and high temperatures.
- Resistant cover to wear, oil mist, weather and ozone, abrasion.

Technical description

Inner tube: NBR/PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: NBR/PVC, black, smooth.

Temperature range: - 30 °C to + 100 °C.

Complementary information

Available in other lengths or packaging on request.

All standard stock items delivered on white bobbins with hole ID 55 mm.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
3.0	± 0.4	2.25	7.5	± 0.5	10	30	23	0.05	20	
4.0	± 0.4	3.50	11.0	± 0.5	10	30	30	0.11	20	
5.0	± 0.4	3.50	12.0	± 0.5	10	30	34	0.13	20	
6.0	± 0.4	3.00	12.0	± 0.5	10	30	38	0.12	20	
7.0	± 0.5	3.00	13.0	± 0.6	10	30	45	0.13	20	
8.0	± 0.5	3.00	14.0	± 0.6	10	30	52	0.14	20	
10.0	± 0.5	3.00	17.0	± 0.6	10	30	62	0.20	10	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week - year

AG 2100 Marine smooth

VEHICLE

Exhaust gas



Applications

Marine engine wet exhaust systems where the exhaust gases are mixed with the discharge of cooling water.

Advantages

- Flexible.
- Weather and ageing resistant.
- Flex Max construction (e.g. multi helix).
- Smooth and robust.
- Can withstand dry exhaust > 3 hours.
- DNV approved.

Technical description

Inner tube: CR, black, smooth.

Reinforcement: synthetic textile layers with steel embedded helix.

Cover: CR, black, fabric impression.

Temperature range: - 30 °C to + 100 °C, can intermittent withstand + 580 °C.

Couplings/Fittings

Clamps.

Complementary information

Certified by DNV in accordance to ISO 13363 type 2, SAE J 2006 type R2, Nordic Boat Standard MC9.

Other dimensions available on request.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
32	5.0	± 0.50	42.0	± 1.0	0.8	2.5	0.9	76	0.85	20 - 40	
40	5.0	± 0.50	50.0	± 1.0	0.8	2.5	0.9	88	1.07	20 - 40	
45	5.0	± 0.50	55.0	± 1.0	0.8	2.5	0.9	95	1.25	20 - 40	
50	6.0	± 0.50	62.0	± 1.0	0.8	2.5	0.9	120	1.68	20 - 40	
57	6.0	± 0.50	69.0	± 1.0	0.8	2.5	0.9	150	1.85	20 - 40	
60	6.0	± 0.75	72.0	± 1.5	0.8	2.5	0.9	180	1.86	20 - 40	
63	6.0	± 0.75	75.0	± 1.5	0.8	2.5	0.9	210	2.00	20 - 40	
76	6.5	± 0.75	89.0	± 1.5	0.8	2.5	0.9	213	2.75	20 - 40	
89	6.5	± 0.75	102.0	± 1.5	0.8	2.5	0.9	225	3.18	20 - 40	
102	6.5	± 1.00	115.0	± 2.0	0.8	2.5	0.9	294	3.68	20 - 40	
127	7.0	± 1.00	141.0	± 2.0	0.8	2.5	0.8	490	4.29	20 - 40	
152	7.5	± 1.00	167.0	± 2.0	0.8	2.5	0.8	650	5.02	20 - 40	
205	5.0	± 1.50	215.0	± 2.0	0.8	2.5	0.8	950	7.17	20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

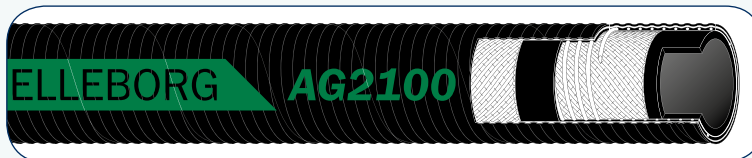


and embossed: TRELLEBORG - AG 2100 - MARINE WET EXHAUST - SAE J2006R2 - ISO 13363:2004 - Type 2B (580 °C) - MC9 - ID - month/year - batch number

AG 2100 Marine corrugated

VEHICLE

Exhaust gas



Applications

Marine engine wet exhaust systems where the exhaust gases are mixed with the discharge of cooling water.

Advantages

- Extreme flexibility.
- Low weight.
- Weather and ageing resistant.
- Corrugated and user friendly.
- DNV approved.

Technical description

Inner tube: CR, black, smooth.

Reinforcement: synthetic textile with steel wire embedded helix.

Cover: CR, black, fabric impression, corrugated.

Temperature range: - 30 °C to + 100 °C, can intermittent withstand + 580 °C.

Couplings/Fittings

Clamps.

Complementary information

Certified by DNV in accordance to ISO 13363 type 2, SAE J 2006 type R2, Nordic Boat Standard MC9. Other dimensions available on request.

ID	Wall thickness		OD		Working pressure		Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm	mm		mm		bar		bar	bar	mm	kg/m	m	
76	5.0	± 0.6	86.0	± 1.2	3.0		9	0.9	175	1.81	20 - 40	
90	5.0	± 0.7	100.0	± 1.3	2.0		6	0.9	200	2.16	20 - 40	
102	5.0	± 0.7	112.0	± 1.3	2.0		6	0.9	220	2.42	20 - 40	
127	5.5	± 0.7	138.0	± 1.4	2.0		6	0.9	250	2.97	20 - 40	
152	5.5	± 0.7	163.0	± 1.4	2.0		6	0.9	350	3.52	20	
205	6.5	± 1.0	217.0	± 2.0	1.5		5	0.8	590	6.00	20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - AG 2100 - MARINE WET EXHAUST - SAE J2006R2 - ISO 13363:2004 - Type 2B (580 °C) - MC9 - ID - month/year - batch number

AG 1000 HT

VEHICLE

Exhaust gas



Applications

Extraction of exhaust gases and other hot gases from motor vehicles.

For all types of spring recoil exhaust hose reels, exhaust fume extractors, and also exhaust rails for moving vehicles.

Advantages

- Extremely low weight and flexibility makes the hose especially suitable for manual handling.
- Smooth inside reduces friction less.
- Manufactured with a polyester helix as standard.
- The polyester helix makes the hose regain original shape when ran over by motor vehicle.

- Hose lengths can be connected by screwing them together.

- Also available with steel helix in order to withstand higher vacuum.

Technical description

Inner tube: heat resistant, rubberized fabric, EPDM/polyester, black.

Helix: EPDM-coated polyester.

Cover: outside rubberised helix, black.

Temperature range: - 40 °C to + 180 °C.

Complementary information

Packed in cartons.

ID mm	Wall thickness mm	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
32.0	1.0	0.60	40	0.28	10	
38.0	1.0	0.55	50	0.32	10	
45.0	1.0	0.50	55	0.34	10	
51.0	1.0	0.40	65	0.42	10	
63.0	1.0	0.30	80	0.53	10	
76.0	1.0	0.25	95	0.60	10	
102.0	1.0	0.20	110	0.85	10	
127.0	1.0	0.15	130	1.04	10	
152.0	1.0	0.10	140	1.24	10	
204.0	1.0	0.03	190	1.68	10	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

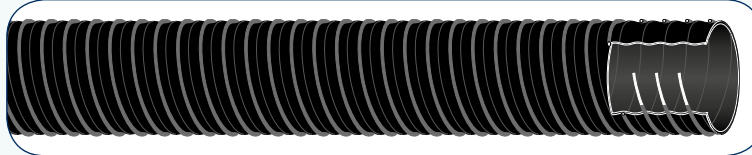
Branding:



AG 1000 LT

VEHICLE

Exhaust gas



Applications

Extraction of exhaust gases and other hot gases from motor vehicles.

For all types of spring recoil exhaust hose reels, exhaust fume extractors, and also exhaust rails for moving vehicles.

Advantages

- Extremely low weight and flexibility makes the hose especially suitable for manual handling.
- Smooth inside reduces friction losses.
- Hose lengths can be connected by screwing them together.

Technical description

Inner tube: heat resistant, rubberized fabric, EPDM polyester, black.

Helix: EPDM-coated steel, black.

Temperature range: - 40 °C to + 150 °C.

Complementary information

Delivered in plastic wrapped coils.

ID mm	Wall thickness mm	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
51.0	1.0	0.40	65	0.42	10	
76.0	1.0	0.25	95	0.60	10	
102.0	1.0	0.20	110	0.74	10	
127.0	1.0	0.15	130	0.91	10	
152.0	1.0	0.10	140	1.10	10	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.



Performance Hose and Assemblies

Agriculture and Food

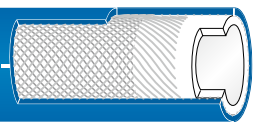
- ❑ **Food industry/Cleaning** p. 46 to 47
- ❑ **Food industry/Transfer** p. 48 to 53
- ❑ **Farm/Fish pump hose** p. 54
- ❑ **Farm/Spraying** p. 54

KLENET

AGRICULTURE AND FOOD

Food industry/Cleaning

KLENET - 



Applications

Floor wash down and hot-water cleaning in food processing industries, canneries, dairies, slaughterhouses, etc.

Advantages

- Very good resistance to high temperatures.
- Smooth for easy handling with light-coloured, non-marking cover.
- Excellent resistance of the cover compound to animal and vegetable grease.
- Contains no phthalate.

Technical description

Inner tube: food grade quality, oil resistant NBR, white, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, blue, smooth.

Temperature range: - 20 °C to + 95 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 3.

French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID mm	±	OD mm	±	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13	± 0.5	21.4	± 0.7	10	30	80	0.30	20 - 40 - 60 - 120	
16	± 0.7	25.0	± 0.8	10	30	95	0.38	20 - 40 - 60 - 120	
19	± 0.7	28.4	± 0.8	10	30	115	0.48	20 - 40 - 60	
25	± 1.0	35.0	± 1.1	10	30	155	0.62	20 - 40 - 60	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



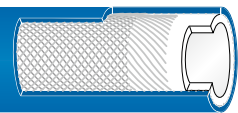
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BERGALAV

AGRICULTURE AND FOOD

Food industry/Cleaning

TRELLEBORG - BERGALAV 



Applications

For hot water cleaning in food processing plants with possible occasional use with steam up to 160 °C.

Advantages

- Highly flexible.
- Specially adapted to keep round on reels.
- Contains no phthalate.

Technical description

Inner tube: food grade quality EPDM, white, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant EPDM, blue, smooth.

Temperature range: - 30 °C to + 160 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID mm	±	OD mm	±	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
10.0	± 0.6	18.0	± 0.7	10	30	75	0.25	20 - 40	
13.0	± 0.6	22.0	± 0.7	10	30	95	0.35	20 - 40	
16.0	± 0.7	25.0	± 0.8	10	30	110	0.41	20 - 40	
19.0	± 0.8	29.0	± 0.9	10	30	135	0.54	20 - 40	
25.0	± 1.0	36.0	± 1.0	10	30	180	0.74	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week - year

BIOVAST

AGRICULTURE AND FOOD

Food industry/Cleaning



Applications

For steam cleaning at temperatures up to + 165 °C and hot water washing in food processing plants.
Also for transfer of hot liquid foodstuffs.
Suitable for reel mounted applications.

Advantages

- A hose specially designed for dairies, canneries, fish markets, etc.
- Highly flexible.
- A non staining cover compound.
- Resistant to animal and vegetable fats.
- Contains no phthalate.

Technical description

Inner tube: food grade quality, oil resistant NBR, white, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, blue, smooth.

Temperature range:

Water: - 20 °C to + 100 °C, WP = 20 bar.

Saturated or superheated steam: + 165 °C/6 bar.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 2.

French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID		OD		Working pressure	Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm		bar	bar	bar	mm	kg/m	m	
				Steam	Water					
13.0	± 0.8	23.0	± 0.9	6	20	60	65	0.38	20 - 40 - 60 - 80	
16.0	± 1.0	26.0	± 1.0	6	20	60	85	0.44	20 - 40 - 80	
19.0	± 1.0	31.0	± 1.0	6	20	60	100	0.63	20 - 40 - 80	
25.0	± 1.0	37.0	± 1.0	6	20	60	125	0.78	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week - year

BIOCLEAN

AGRICULTURE AND FOOD

Food industry/Cleaning



Applications

High pressure cleaning specifically for food industries.
Can also be used for transfer of any liquid foodstuffs.

Advantages

- Very flexible.
- Non-marking cover.
- Food grade quality white inner tube, oil resistant.
- Branding over red stripe for easy and quick identification.
- Contains no phthalate.

Technical description

Inner tube: food grade quality, oil resistant NBR, white, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, blue, smooth.

Temperature range: - 20 °C to + 100 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 3.

French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

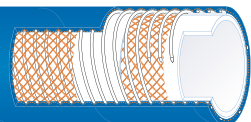
ID		OD		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm		bar	bar	mm	kg/m	m	
7.9	± 0.5	15.9	± 0.6	60	180	50	0.20	20 - 40 - 120	
9.5	± 0.5	18.0	± 0.7	60	180	60	0.25	20 - 40 - 80 - 120	
12.7	± 0.6	22.0	± 0.8	60	180	70	0.34	20 - 40 - 80 - 120	
15.9	± 0.8	26.5	± 1.0	60	180	80	0.48	20 - 40 - 80 - 120	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: month - year



Applications

For milk handling: tanker lorries for milk collection and transport, dairy unloading bays and stationary equipment, processing and filling plant.

Also for transfer of other liquid foodstuffs such as wine, beer, cider, fruit juice, vinegar and alcohol up to 96 %, with exception of fatty foodstuffs and oils.

Advantages

- Extremely flexible to accept the smallest bending radius without kinking.
- Smooth, seamless, white tube that does not propagate bacterial growth and complies with the most stringent French, European, and American requirements for foodstuff handling.
- Unaffected by changes in temperature, the advantage of rubber over PVC.
- Resistant to most common cleaning process, either with detergents or steam at temperatures up to 110 °C (during 10 minutes max).
- Non-marking, abrasion resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality NR, white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather and abrasion resistant NR, blue, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 2.

French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French Institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID		OD		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
mm		mm								
25.0	- 0/+ 1	36.0	± 1.0	6	18	0.9	50	0.696	20 - 40	
32.0	- 0/+ 1	43.0	± 1.0	6	18	0.9	64	0.82	40	
38.0	- 0/+ 1	49.0	± 1.0	6	18	0.9	76	1.144	13.3 - 40	
40.0	- 0/+ 1	51.0	± 1.0	6	18	0.9	80	1.266	13.3 - 40	
43.0	- 0/+ 1	54.0	± 1.0	6	18	0.9	86	1.338	13.3 - 40	
45.0	- 0/+ 1	56.0	± 1.0	6	18	0.9	90	1.383	40	
51.0	- 0/+ 1	63.0	± 1.5	6	18	0.9	102	1.787	13.3 - 15 - 40	
53.0	- 0/+ 1	65.0	± 1.5	6	18	0.9	106	1.845	40	
60.0	- 0/+ 1	72.0	± 1.5	6	18	0.9	120	2.088	40	
63.0	- 0/+ 1	75.0	± 1.5	6	18	0.9	126	2.172	13.3 - 15 - 40	
70.0	- 0/+ 1	83.5	± 1.5	6	18	0.9	140	2.622	13.3 - 40	
76.0	- 0/+ 1	89.5	± 1.5	6	18	0.9	152	3.026	13.3 - 40	
80.0	- 0/+ 1	94.0	± 1.5	6	18	0.9	240	3.036	13.3 - 40	
89.0	- 0/+ 1	103.0	± 1.5	6	18	0.9	315	3.389	20 - 40	
100.0	- 0/+ 1	114.0	± 1.5	6	18	0.9	350	3.672	20 - 40	
125.0	- 0/+ 1	145.5	± 2.0	6	18	0.9	450	6.05	10 - 20	
150.0	- 0/+ 1	171.5	± 2.0	6	18	0.9	530	7.02	10 - 20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

CITERDIAL



TRELLEBORG

and embossed: TRELLEBORG - CITERDIAL - ND - WP 6 bar - week/year - batch number - Made in France



Applications

For milk collection: equipment of milk collecting tanks.

Advantages

- Extremely flexible and light for easy handling.
- Will recover its shape after accidental squeeze.
- Smooth, seamless, white tube that does not propagate bacterial growth and complies with the most stringent French, European, and American requirements for foodstuff handling.
- Changes in temperature have no effect due to the quality of rubber compound.
- Resistant to most common cleaning process, either with detergents or steam, at temperature up to 110 °C (during 10 minutes max).
- Abrasion resistant and non marking cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality NR, white, smooth.

Reinforcement: synthetic textile with embedded PET helix.

Cover: NR, blue, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval:

EEU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

French legislation.

All relevant migrations tests (France and FDA) were performed by the French Institute of Poitiers (IANESCO) and confirmed compliant.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID		OD		Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm		mm		bar	bar	bar	mm	kg/m	m	
51.0	± 1.0	65.0	± 1.5	6	18	0.7	150	1.34	40	
53.0	± 1.0	67.0	± 1.5	6	18	0.7	160	1.47	40	
55.0	± 1.0	68.5	± 1.5	6	18	0.7	165	1.48	40	
63.0	± 0.7	77.0	± 1.5	6	18	0.7	200	1.72	40	
76.0	± 0.8	92.0	± 1.5	6	18	0.7	250	2.24	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

LACTADIAL



TRELLEBORG

and embossed: TRELLEBORG - LACTADIAL - ND - WP 6 bar - week/year - batch number - Made in France



Applications

Particularly designed for additional air lines (temperature up to 140 °C) on road tankers carrying bulk products.

Suction and discharge of liquid food-stuffs such as milk, wine, beer, cider, fruit juice, soda, vinegar and alcohol up to 96 %, with exception of fatty foodstuffs and oils.

Loading or unloading bays for road and rails tankers.

Advantages

- Good flexibility and easy to handle.
- Suitable for road tankers equipment except compressor lines.
- A smooth, seamless, white food grade tube that does not propagate bacterial growth.
- Resistant to cleaning with most common detergents, or with steam at max. + 140 °C.
- Cover with very good ageing and weather resistance.
- Contains no phthalate.

Technical description

Inner tube: food grade quality EPDM, white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, blue, fabric impression.

Temperature range: - 30 °C to + 100 °C (+ 140 °C for additional air).

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes	
mm	mm	bar	bar	bar	mm	kg/m	m		
25.0	- 0/+ 1.0	36.0	± 1.0	10	30	0.9	55	0.81	20 - 40
32.0	- 0/+ 1.0	43.0	± 1.0	10	30	0.9	70	0.98	20 - 40
38.0	- 0/+ 1.0	49.0	± 1.0	10	30	0.9	80	1.15	20 - 40
40.0	- 0/+ 1.0	51.0	± 1.0	10	30	0.9	85	1.20	20 - 40
43.0	- 0/+ 1.0	54.0	± 1.0	10	30	0.9	92	1.30	40
45.0	- 0/+ 1.0	56.0	± 1.0	10	30	0.9	98	1.32	20 - 40
51.0	- 0/+ 1.0	62.5	± 1.5	10	30	0.9	105	1.66	20 - 40
53.0	- 0/+ 1.0	64.5	± 1.5	10	30	0.9	110	1.72	20 - 40
60.0	- 0/+ 1.0	71.5	± 1.5	10	30	0.9	125	1.85	20 - 40
63.0	- 0/+ 1.0	74.5	± 1.5	10	30	0.9	130	2.00	20 - 40
70.0	- 0/+ 1.0	81.5	± 1.5	10	30	0.9	145	2.24	20 - 40
76.0	- 0/+ 1.0	88.5	± 1.5	10	30	0.9	165	2.95	20 - 40
89.0	- 0/+ 1.0	102.0	± 1.5	10	30	0.9	330	3.44	40
100.0	- 0/+ 1.5	113.0	± 1.5	10	30	0.9	380	3.75	20 - 40
102.0	- 0/+ 1.5	115.0	± 1.5	10	30	0.9	400	3.80	40
125.0	- 0/+ 1.5	145.5	± 2.0	10	30	0.9	480	7.20	10 - 20
150.0	- 0/+ 1.5	171.5	± 2.0	10	30	0.9	570	8.80	10 - 20

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - MILLESIME - FDA - WP 10 bar - week/year - batch number - Made in France

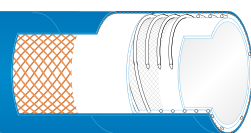
ALIKLER G2

AGRICULTURE AND FOOD

Food industry/Transfer

TRELLEBORG

ALIKLER



Applications

Suction and discharge of liquid foodstuffs such as wine, beer, milk, oil, fats, cider, fruit juice, and alcohol up to 96 %.
For unloading bays, processing and filling plants, and liquid foodstuff tankers.
Additional air line on road tankers carrying bulk powdered products (not compressor line) at temperatures up to + 120 °C.

Advantages

- Improved flexibility, very easy to handle.
- A smooth, seamless, white, multipurpose food grade tube that does not propagate bacterial growth.
- Excellent resistance to kinking.
- Changes in temperature have little effect due to the qualities of the rubber compound.
- Resistant to most cleaning processes used in the food industry, either with chemicals (max. 90 °C) or steam (max. 130 °C). See our users information leaflet.
- Non-marking, abrasion-resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality, oil resistant NBR, white, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: oil and weather resistant NBR/PVC, blue, fabric impression.
Temperature range: - 30 °C to + 100 °C.

Standard/Approval:

EU regulations N. 1935/2004 and 2023/2006.
FDA regulation 21 CFR 177.2600.
German legislation: BfR recommendation XXI cat. 2.
French legislation.
All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID mm		OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	- 0/+ 1	37.0	± 1.0	10	30	0.9	40	0.92	20 - 40	
32.0	- 0/+ 1	44.0	± 1.0	10	30	0.9	55	1.10	20 - 40	
38.0	- 0/+ 1	50.0	± 1.0	10	30	0.9	65	1.26	20 - 40	
45.0	- 0/+ 1	57.0	± 1.0	10	30	0.9	90	1.45	20 - 40	
50.0	- 0/+ 1	62.0	± 1.5	10	30	0.9	100	1.77	20 - 40	
50.0	- 0/+ 1	65.0	± 1.5	10	30	0.9	100	2.24	20 - 40	
53.0	- 0/+ 1	65.0	± 1.5	10	30	0.9	110	1.86	20 - 40	
63.0	- 0/+ 1	76.0	± 1.5	10	30	0.9	135	2.24	20 - 40	
70.0	- 0/+ 1	84.5	± 1.5	10	30	0.9	175	3.07	20 - 40	
75.0	- 0/+ 1	89.5	± 1.5	10	30	0.9	190	3.29	20 - 40	
75.0	- 0/+ 1	91.0	± 1.5	10	30	0.9	190	3.53	20 - 40	
89.0	- 0/+ 1	104.5	± 1.5	10	30	0.9	275	3.89	20 - 40	
100.0	- 0/+ 1	115.5	± 1.5	10	30	0.9	400	4.40	20 - 40	
125.0	- 0/+ 1	145.5	± 2.0	10	30	0.9	600	6.74	10 - 20	
150.0	- 0/+ 1	171.5	± 2.0	10	30	0.9	700	8.35	10 - 20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - ALIKLER G2 - ND - WP 10 bar - week/year - batch number - Made in France

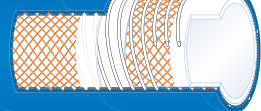
ALIKLER D

AGRICULTURE AND FOOD

Food industry/Transfer

TRELLEBORG

ALIKLER D



Applications

High pressure discharge of liquid foods-tuffs such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 96 %.
Suction on unloading bays in dairies.
Equipment of processing and filling plants, and liquid foodstuff tankers.

Advantages

- Smooth, seamless, white, multipurpose food grade tube that does not propagate bacterial growth.
- Able to recover its shape after accidental squeeze.
- Changes in temperature have little effect due to the qualities of the rubber compound.
- Resistant to cleaning with detergents at temperatures up to 130 °C (during several minutes).
- Non-marking, abrasion resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality, oil resistant NBR, white, smooth.
Reinforcement: synthetic textile with embedded PET helix for ID ≥ 50 mm.
Cover: oil and weather resistant NBR/PVC, blue, fabric impression.
Temperature range: - 30 °C to + 100 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.
FDA regulation 21 CFR 177.2600.
German legislation: BfR recommendation XXI cat. 2.
French legislation.
All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

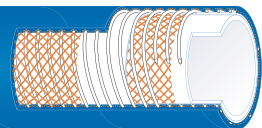
ID mm		OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
32.0	- 0/+ 1	44.0	± 1.5	15	40	0.7	220	1.00	20 - 40	
38.0	- 0/+ 1	51.0	± 1.5	15	40	0.7	265	1.20	20 - 40	
50.0	- 0/+ 1	66.0	± 1.5	15	40	0.7	300	1.97	20 - 40	
63.0	- 0/+ 1	79.0	± 1.5	15	40	0.7	450	2.38	20 - 40	
75.0	- 0/+ 1	91.0	± 1.5	15	40	0.7	525	2.85	20 - 40	
100.0	- 0/+ 1	117.0	± 1.5	15	40	0.7	700	3.81	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - ALIKLER D - ND - WP 15 bar - week/year - batch number - Made in France



Applications

Particularly adapted for alcohol transfer up to 99 %.
Suitable for all drinks: wine, beer, brandies and spirits, fruit juice, milk, etc.
Designed for equipment of:
- production plants (distillery, spirit and liqueur producer, etc),
- loading or unloading bays from road and rails tankers.

Advantages

- Very flexible and anti-kinking resistant hose.
- UPE inner tube accepting alcohol temporary stagnation without risk of migration.
- Odourless and tasteless inner tube.
- Non-marking, abrasion resistant cover.
- Contains no phthalate.
- This hose is tested and approved by British authorities for transfer of cold (max 23 °C) drinking water.

Technical description

Inner tube: food grade quality UPE, white, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: NR, blue, fabric impression.
Temperature range: - 30 °C to + 80 °C.

Standard/Approval:

For food product: EU regulation n° 10/2011, FDA regulation, French legislation.
All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).
For drinking water: WRAS, BS 6920:2000, cold water use.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID		OD		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
mm		mm								
25.0	- 0/+ 1	36.0	± 1.0	10	30	0.9	55	0.70	20 - 40	
32.0	- 0/+ 1	43.0	± 1.0	10	30	0.9	70	0.82	40	
38.0	- 0/+ 1	49.0	± 1.0	10	30	0.9	84	1.13	20 - 40	
51.0	- 0/+ 1	62.5	± 1.5	10	30	0.9	112	1.76	20 - 40	
63.0	- 0/+ 1	74.5	± 1.5	10	30	0.9	139	2.08	40	
70.0	- 0/+ 1	83.0	± 1.5	10	30	0.9	154	2.54	20 - 40	
76.0	- 0/+ 1	89.0	± 1.5	10	30	0.9	167	2.94	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

ALCODIAL



TRELLEBORG

and embossed: TRELLEBORG - ALCODIAL - FDA - ND - WP 10 bar - week/year - batch number - Made in France



Applications

Specially designed for wine transfers in wine processing industries.
Suction and discharge of any foodstuff except fatty/oily liquids.

Advantages

- The utmost user friendly rubber hose: outstanding flexibility and easy handling thanks to slicking cover, weak tractive effort.
- Food grade white tube complying with the most stringent European and American requirements for foodstuff handling.
- Unaffected by changes in temperature.
- Resistant to detergents or cleaning with steam (110 °C during 10 minutes max).
- Non-marking cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality NR, white, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: special, polymer-based, red.
Temperature range: - 30 °C to + 80 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.
FDA regulation 21 CFR 177.2600.
French legislation: All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes	
mm	mm	bar	bar	bar	mm	kg/m	m		
38.0	± 1.0	51.5	± 1.5	10	30	0.9	80	1.15	20 - 40
50.0	± 1.0	65.0	± 1.5	10	30	0.9	100	1.57	20 - 40
63.0	± 1.0	77.0	± 1.5	10	30	0.9	130	1.87	20 - 40
70.0	± 1.0	86.5	± 1.5	10	30	0.9	140	2.42	20 - 40
75.0	± 1.0	91.5	± 1.5	10	30	0.9	150	2.54	20 - 40

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

VINITRELL



TRELLEBORG

and embossed: TRELLEBORG - VINITRELL - FDA - WP 10 bar - week/year - batch number - Made in France

TRELLVIN

AGRICULTURE AND FOOD

Food industry/Transfer



Applications

Suction and discharge of wine, beer and other liquid foodstuffs such as milk, cider, fruit juice and alcohol up to 96 %.
Specifically designed for tank transfer in wineries, unloading bays, and for liquid foodstuff tankers.

Advantages

- A smooth, seamless, white, multipurpose food grade tube that does not propagate bacterial growth.
- Collapsible: will recover its shape after accidental squeeze.
- Flexible and easy to handle.
- Excellent resistance to kinking.
- Changes in temperature have little effect due to the qualities of the rubber compound.
- Resistant to cleaning with detergents at temperatures up to + 130 °C (during several minutes).
- Non-marking, abrasion-resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality EPDM, white, smooth.
Reinforcement: synthetic textile with embedded PET helix.
Cover: weather resistant EPDM, wine-red, fabric impression.
Temperature range: - 30 °C to + 100 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.
FDA regulation 21 CFR 177.2600.
French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID		OD		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
mm		mm								
38.0	-0/+1	50.0	±1.0	10	30	0.7	150	1.18	20 - 40	
50.0	-0/+1	62.0	±1.5	10	30	0.7	200	1.48	40	
63.0	-0/+1	75.5	±1.5	10	30	0.7	315	2.10	40	
70.0	-0/+1	83.0	±1.5	10	30	0.7	350	2.32	20 - 40	
75.0	-0/+1	88.0	±1.5	10	30	0.7	375	2.46	20 - 40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

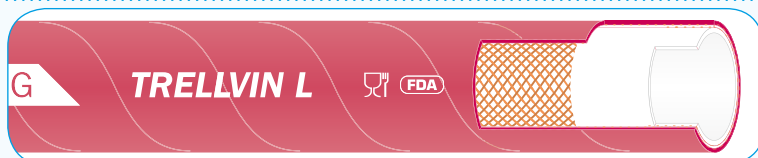


and embossed: TRELLEBORG - TRELLVIN - FDA - WP 10 bar - week/year - batch number - Made in France

TRELLVIN L

AGRICULTURE AND FOOD

Food industry/Transfer



Applications

Discharge of wine, beer and other liquid foodstuffs such as milk, cider, fruit juice and alcohol up to 96 %.
Specifically designed for tank transfer in wineries, unloading bays and for liquid foodstuff tankers.

Advantages

- Smooth, seamless, white, multipurpose food grade tube that does not propagate bacterial growth.
- Flexible and easy to handle, especially in large diameters for tank loading and transfer of grapes, transfer of marc.
- Changes in temperature have little effect due to the qualities of the rubber compound.
- Resistant to cleaning with detergents or steam (max. + 130 °C during several minutes).
- Non-marking, with very good ageing and weather resistance.
- Contains no phthalate.

Technical description

Inner tube: food grade EPDM, white, smooth.
Reinforcement: synthetic textile.
Cover: weather resistant EPDM, wine-red, fabric impression.
Temperature range: - 30 °C to + 100 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.
FDA regulation 21 CFR 177.2600.
French legislation.

All relevant migrations tests (France and FDA) were performed and confirmed compliant by the French institute of Poitiers (IANESCO).

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID		OD		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
	mm		mm					
38.0	- 0/+ 1.0	49.0	± 1.5	10	30	0.93	20 - 40	
50.0	- 0/+ 1.0	61.5	± 1.5	10	30	1.24	20 - 40	
63.0	- 0/+ 1.0	74.5	± 1.5	10	30	1.49	20 - 40	
75.0	- 0/+ 1.0	88.0	± 1.5	10	30	1.99	20 - 40	
100.0	- 0/+ 1.5	114.0	± 2.0	10	30	2.63	20	
125.0	- 0/+ 1.5	140.0	± 2.0	10	30	4.23	20	
150.0	- 0/+ 1.5	165.0	± 2.0	10	30	4.97	20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

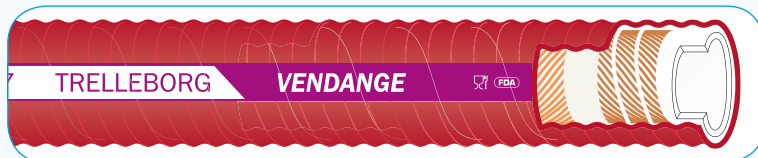


and embossed: TRELLEBORG - TRELLVIN L - FDA - WP 10 bar - week/year - batch number - Made in France

VENDANGE

AGRICULTURE AND FOOD

Food industry/Transfer



Applications

Specially designed for transfer of fresh grapes in wine processing industries.

Advantages

- Outstanding flexibility and easy handling.
- Weak tractive effort thanks to slicking cover.
- Smooth, seamless, white tube, that does not propagate bacterial growth.
- Resistant to cleaning with detergent or steam at temperatures up to 110 °C (during 10 minutes max).
- Non marking cover.
- Contains no phthalate.

Technical description

Inner tube: food grade quality NR, white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: special, polymer-based, red.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval:

EU regulations n° 1935/2004 and 2023/2006.

FDA regulation 21 CFR 177.2600.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID mm		OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
100.0	- 0/+ 1	117.0	± 1.5	6	18	140	3.32	20 - 40	
125.0	- 0/+ 2	142.5	± 2.0	6	18	170	4.10	10 - 20	
150.0	- 0/+ 2	167.5	± 2.0	6	18	200	4.97	10 - 20	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

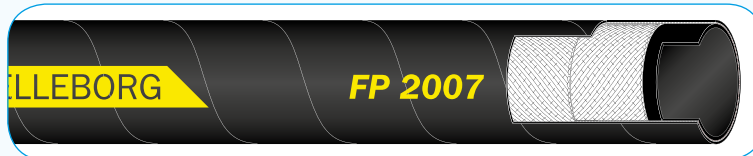


and embossed: TRELLEBORG - VENDANGE - FDA - WP 6 bar - week/year - batch number - Made in France

FP 2007, FP 3010

AGRICULTURE AND FOOD

Farm/Fish pump hose



Applications

Used for pumping fish in fish farms and fish processing factories.

Advantages

- Flexible hose design providing optimum characteristics for this application.
- Withstands rough handling.
- Without helix for discharge applications.

Technical description

Inner tube: wear resistant SBR/NBR, black.

Reinforcement: synthetic textile.

Cover: weather resistant SBR/NBR, black, fabric impression.

Temperature range: - 40 °C to + 80 °C.

Complementary information

Other lengths available on request.

For rigid hoses with helix and couplings, please consult us.

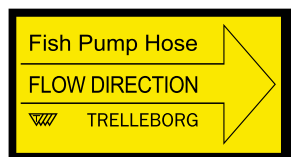
ID		OD		Working pressure	Bursting pressure	Weight	Length	Notes
inch	mm	mm		bar	bar	kg/m	m	
FP 2007								
10	254.0	261.0	± 1.5	2	7	3.05	30 - 40	
12	305.0	312.0	± 1.5	2	7	3.66	30 - 40	
14	355.0	362.0	± 1.5	2	7	4.25	30 - 40	
FP 3010								
10	254.0	263.0	± 1.5	3	10	4.06	40	
		265.0	± 1.5	3	10	5.12	40	
12	305.0	312.0	± 1.5	3	10	3.83	40	
		314.0	± 1.5	3	10	5.03	40	
		316.0	± 1.5	3	10	6.30	40	
14	355.0	362.0	± 1.5	3	10	4.44	40	
		364.0	± 1.5	3	10	5.84	20 - 40	
		366.0	± 1.5	3	10	7.30	40	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding (FP 2007 or FP 3010):



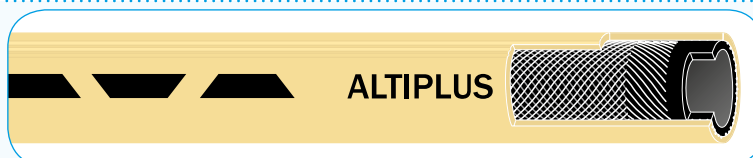
and:



ALTIPLUS

AGRICULTURE AND FOOD

Farm/Spraying



Applications

High pressure agricultural spraying (fungicide, weed killers, insecticides, etc.). Also suitable for paint spraying and disinfection of buildings or high pressure water discharge.

Advantages

- A high performance hose for extra heavy duty service.
- Excellent coupling retention.
- A wide range of diameters.
- Non marking cover.
- Good ageing and weather resistance.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, beige, with two groups of three ribs.

Temperature range: - 30 °C to + 70 °C.

Standard/Approval: EN ISO 1401, type C for ID < 16 mm, type B for ID ≥ 16 mm.

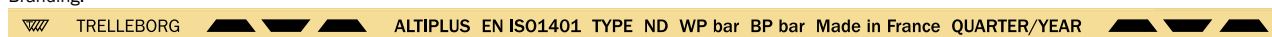
Complementary information

50 % of the volume in each delivery will be random lengths, shortest length of 10 m, at least 50 % will be in fixed length mentioned in the table.

ID		OD		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
mm		mm							
8.0	± 0.5	16.0	± 0.6	60	240	40	0.24	40 - 160	
9.0	± 0.5	17.5	± 0.6	60	240	40	0.28	40 - 160	
10.0	± 0.5	18.5	± 0.6	60	240	45	0.29	160 - 200	
12.5	± 0.6	21.0	± 0.7	60	240	50	0.31	40 - 80 - 160	
16.0	± 0.7	26.5	± 0.8	40	160	80	0.53	40 - 120	
19.0	± 0.7	31.0	± 0.9	40	160	90	0.67	40 - 120	
25.0	± 0.8	37.0	± 0.9	40	160	100	0.81	40 - 80	

Length in blue = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:





Performance Hose and Assemblies

Chemical and Petrochemical

- **Steam** p. 56 to 57
- **Oil and petroleum** p. 58 to 67
 - Discharge applications p. 58 to 61
 - Suction and discharge applications p. 62 to 63
 - Oil cargo p. 64 to 66
 - Offshore floating supply hose p. 66
 - Aviation oil p. 67
- **Chemical and corrosive products** p. 68 to 74
 - Transfer p. 68 to 73
 - Handling p. 74
- **Composite hoses** p. 75 to 84

TRELLVAST

CHEMICAL AND PETROCHEMICAL

Steam



Applications

For heavy duty industrial steam cleaning and circulation of saturated or superheated steam at temperatures up to + 164 °C/6 bar.

Advantages

- Resistant to abrasion and atmospheric conditions.
- Flexible textile reinforced steam hose.

Technical description

Inner tube: EPDM for ID ≤ 25 mm, SBR for ID > 25 mm, black, smooth.

Reinforcement: synthetic textile.

Cover:

ID ≤ 25 mm: EPDM, black, smooth.

ID > 25 mm: SBR, black, fabric impression.

Temperature range:

Water: - 40 °C to + 120 °C, WP = 20 bar.

Saturated or superheated steam: + 164 °C/6 bar.

Electrical properties: conductive tube and cover, R < 10⁶ Ω/lg.

Standard/Approval: EN ISO 6134:2005 type 1 class A.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
9.5	± 0.5	6.00	21.5	± 1.0	6	60	120	0.30	20 - 40	
13.0	± 0.5	6.00	25.0	± 1.0	6	60	130	0.48	20 - 40	
16.0	± 0.5	7.00	30.0	± 1.0	6	60	160	0.67	20 - 40	
19.0	± 0.5	7.00	33.0	± 1.0	6	60	190	0.77	20 - 40	
25.0	± 0.5	7.50	40.0	± 1.0	6	60	250	1.06	20 - 40	
32.0 *	-0/+1	8.25	48.5	± 1.0	6	60	250	1.25	20 - 40	
38.0 *	-0/+1	8.75	55.5	± 1.0	6	60	300	1.49	20 - 40	
40.0 *	-0/+1	8.75	57.5	± 1.0	6	60	320	1.54	20 - 40	
50.0 *	-0/+1	8.25	66.5	± 1.5	6	60	400	1.79	20 - 40	
60.0 *	-0/+1	8.75	77.5	± 1.5	6	60	500	2.20	20 - 40	

* Non standard compliance with EN ISO 6134.

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding ID ≤ 25 mm:

TRELLEBORG - TRELLVAST - EN ISO 6134 - 1A - STEAM - 6 bar - 164 °C - ID - Ω - quarter/year

Branding ID > 25 mm:



and embossed: TRELLEBORG - STEAM - 6 bar - 164 °C - ID - Ω - quarter/year

PETROVAST

CHEMICAL AND PETROCHEMICAL

Steam



Applications

For heavy duty industrial cleaning and circulation of saturated and superheated steam in heating systems.

Used in the petrochemical, building, shipyard, and chemical industries.

Advantages

- Multipurpose hose.
- Highly flexible.
- Very high temperature resistance.
- Chemical resistant.
- Durable and safe performance.
- Fulfills international standards.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: brasscoated steel, braided.

Cover: EPDM, black, fabric impression.

Temperature range:

Water: - 40 °C to + 120 °C/60 bar.

Saturated steam: + 210 °C/18 bar.

Superheated steam: + 230 °C/18 bar.

Electrical properties: conductive tube and cover, R < 10⁶ Ω/lg.

Standard/Approval: EN ISO 6134:2005 type 2 class A.

Complementary information

Other lengths and dimensions available on request.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
					Steam	Water					
9.5	± 0.5	6.00	21.5	± 1.0	18	60	180	120	0.41	20 - 40	
13.0	± 0.5	6.00	25.0	± 1.0	18	60	180	130	0.48	20 - 40	
16.0	± 0.5	7.00	30.0	± 1.0	18	60	180	160	0.67	20 - 40	
19.0	± 0.5	7.00	33.0	± 1.0	18	60	180	190	0.77	20 - 40 - 60	
25.0	± 0.5	7.50	40.0	± 1.0	18	60	180	250	1.06	20 - 40 - 60	
32.0	± 0.5	8.00	48.0	± 1.0	18	60	180	320	1.38	20 - 40	
38.0	± 0.5	8.00	54.0	± 1.2	18	60	180	380	1.60	20	
51.0	± 0.7	9.00	69.0	± 1.4	18	60	180	500	2.54	20	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding:



SUPERVAST

CHEMICAL AND PETROCHEMICAL

Steam

TRELLEBORG - SUPERVAST



Applications

For heavy duty industrial cleaning and circulation of saturated and superheated steam in heating systems in applications where the hose is exposed to oil.
Used in the petrochemical, building, shipyard, and chemical industry.

Advantages

- Oil resistant cover.
- Multipurpose hose.
- Highly flexible.
- Very high temperature resistance.
- Chemical resistant.
- Durable and safe performance.
- Fulfills international standards

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: steel, braided.

Cover: CSM, red, fabric impression.

Temperature range:

Water: - 40 °C to + 120 °C, WP = 60 bar.

Saturated steam: + 210 °C/18 bar.

Superheated steam: + 230 °C/18 bar.

Electrical properties: conductive tube, R < 10⁶ Ω/lg.

Standard/Approval: EN ISO 6134:2005 type 2 class B.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
			Steam	Water	Water				
19.0	± 0.5	7.0	33 ± 1.0	18	60	180	190	0.77	20 - 30
25.0	± 0.5	7.5	40 ± 1.0	18	60	180	250	1.07	20

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding:

TRELLEBORG - SUPERVAST - EN ISO 6134 - 2B - STEAM 18 bar/210 °C - ID - M - quarter/year

S 2096

CHEMICAL AND PETROCHEMICAL

Steam

S 2096



Applications

For heavy duty industrial cleaning and circulation of saturated and superheated steam in heating systems.
Used in the petrochemical, building, shipyard and chemical industry.

Advantages

- Multipurpose hose.
- Highly flexible.
- Very high temperature resistance.
- Chemical resistant.
- Durable and safe performance.
- Fulfills international standards

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: brasscoated steel, braided.

Cover: EPDM, red, fabric impression.

Temperature range:

Water: - 40 °C to + 120 °C, WP = 60 bar.

Saturated steam: + 210 °C/18 bar.

Superheated steam: + 230 °C/18 bar.

Electrical properties: conductive tube, R < 10⁶ Ω/lg.

Standard/Approval: EN ISO 6134:2005 type 2 class A.

Couplings/Fittings

Finger clamps, Boss type press couplings.

Complementary information

Other lengths and dimensions available on request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
			Steam	Water	Water				
13.0	± 0.5	6.0	25.0 ± 1.0	18	60	180	130	0.48	60
19.0	± 0.5	7.0	33.0 ± 1.0	18	60	180	190	0.77	20 - 40 - 60
25.0	± 0.5	7.5	40.0 ± 1.0	18	60	180	250	1.06	15 - 20 - 40 - 60
32.0	± 0.5	8.0	48.0 ± 1.0	18	60	180	320	1.38	20 - 40
38.0	± 0.5	8.0	54.0 ± 1.2	18	60	180	380	1.60	20 - 40
51.0	± 0.7	9.0	69.0 ± 1.4	18	60	180	500	2.54	20 - 40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG S 2096 - EN ISO 6134:2005 - 2A - STEAM - 18 BAR - 210 °C - ND - M - quarter/year - Made in France

VOLUKLER

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

For equipment of petrol pumps: regular, super and unleaded petrol and diesel oil.

Advantages

- Good resistance to ageing and abrasion from repeated dragging over oily floors.
- Complies with European standard.
- Can be supplied ready fitted with couplings.

Technical description

Inner tube: petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, black, smooth.

Temperature range: - 30 °C to + 55 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 1360:2013 type 1.

Complementary information

Blue, red or green cover on request.

ID		Wall thickness	OD		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm	mm		bar	bar	mm	kg/m	m	
16.0	± 0.8	4.5	25.0	± 0.9	16	48	80	0.37	40 - 80 - 120	
19.0	± 0.8	6.0	31.0	± 0.9	16	48	100	0.60	40 - 80 - 120	
21.0	± 1.0	6.0	31.0	± 1.0	16	48	75	0.54	80	
25.0	± 1.0	6.0	37.0	± 1.1	16	48	140	0.73	40 - 80	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG - VOLUKLER - EN 1360:2013/1 - ND - 16 bar - Ω - quarter/year

VOLUKLER VR assembly

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

Hose assembly with internal vapour recovery for petrol dispensing systems.
Stage II vapour recovery systems.

Advantages

- Good resistance to ageing and abrasion from repeated dragging over oily floors.
- Supplied with couplings and tested.
- Approved by TUV with vapour recovery nozzles.

Technical description

FUEL HOSE

Inner tube: petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, black, smooth.

Temperature range: - 30 °C to + 65 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/\text{lg}$.

Standard/Approvals: EN 1360:2005/1.

VAPOUR RECOVERY TUBE

PA, black, smooth.

Dimensions: 8 x 11 mm.

Vacuum: 0.8 bar.

Couplings/Fittings

Trelleborg designed coupling.

Thread M34 x 1.5 (swivel nut in stainless steel 304).

Vapour tube fitting: dural 2030 sealed with 2 o-rings.

Complementary information

Hose assembly supplied with anti-kinking sleeve (either black or green, other colors upon request).

Petrol hose could be supplied in red or green: consult us.

Assemblies are made upon order to any required length.

ID		OD		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
mm		mm							
21.0	± 1.0	31.0	± 1.0	16	48	75	0.54	40 - 80	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding: TRELLEBORG - VOLUKLER VR - EN 1360:2005/1 - EN 13483:2005/1 - ND - 16 BAR - Ω - month/year

VOLUDEC

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

For hose reels on road tankers for metered delivery of household and automotive fuel.

Advantages

- A light weight, flexible hose, highly resistant to abrasion.
- Can be supplied ready fitted with swaged gun-metal couplings, sealing caps, or kink resisting spring wire guards.
- Hose assemblies are individually tested and can be supplied with a hydrostatic proof test certificate in accordance with the regulations.

Technical description

Inner tube: oil and petrol resistant NBR/PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, black, smooth.

Temperature range: - 30 °C to + 55 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 1360:2013 type 1.

Complementary information

Fitted lengths On request.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
32.0	± 0.8	6.50	45.0	± 1.0	16	48	100	1.02	40 - 50 - 60	
35.0	± 0.8	6.50	48.0	± 1.0	16	48	110	1.11	40 - 50 - 60	
38.0	± 0.8	7.25	52.5	± 1.0	16	48	115	1.39	40 - 50 - 60	
40.0	± 0.8	7.25	54.5	± 1.0	16	48	120	1.44	40 - 50 - 60	
50.0	± 0.8	7.25	64.5	± 1.5	16	48	150	1.56	20 - 30 - 40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG - VOLUDEC - EN 1360:2013 - Type 1 - ND - 16 bar - Ω - month/year - batch number - Made in France

VOLUDEC RED

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

For hose reels on road tankers for metered delivery of household and automotive fuel.

Advantages

- A light weight, flexible hose, highly resistant to abrasion.
- Static electricity dissipated by conductive braid.
- Can be supplied ready fitted with swaged gun-metal couplings, sealing caps, or kink resisting spring wire guards.
- Hose assemblies are individually tested and can be supplied with a hydrostatic proof test certificate in accordance with the regulation.

Technical description

Inner tube: oil and petrol resistant NBR/PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, red, smooth.

Temperature range: - 30 °C to + 55 °C.

Electrical properties: built-in-wire for discharge of static electricity.

Standard/Approval: EN 1360:2013 type 1.

Complementary information

Fitted lengths On request.

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
35.0	± 0.8	6.50	48.0	± 1.0	16	48	110	1.11	50 - 60	
38.0	± 0.8	7.25	52.5	± 1.0	16	48	115	1.39	50 - 60	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLEBORG - VOLUDEC - EN 1360:2013 - Type 1 - ND - 16 bar - M - month/year

and embossed: TRELLEBORG - VOLUDEC - EN 1360:2013 - Type 1 - ND - 16 bar - M - month/year - batch number - Made in France

VOLUDEC EVO

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

For hose reels on road tankers for metered delivery of household and automotive fuel.

Advantages

- A light weight, flexible hose, highly resistant to abrasion.
- Can be supplied ready fitted with swaged gun-metal couplings, sealing caps, or kink resisting spring wire guards.
- Hose assemblies are individually tested and can be supplied with a hydrostatic proof test certificate in accordance with the regulations.
- Flexible at low temperatures.
- Security, with improved visibility.

Technical description

Inner tube: oil and petrol resistant NBR/PVC, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant NBR/PVC, orange, smooth.

Temperature range: - 30 °C to + 55 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 1360:2013 type 1. TMD on request.

Complementary information

Fitted lengths On request.

ID		Wall thickness	Wall thickness		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm	mm		bar	bar	mm	kg/m	m	
35.0	± 0.8	6.50	48.0	± 1.0	16	48	110	1.11	40 - 50 - 60	
38.0	± 0.8	7.25	52.5	± 1.0	16	48	115	1.39	40 - 50 - 60	
50.0	± 0.8	7.20	64.5	± 1.5	16	48	150	1.60	40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

VOLUDEC EVO - EN 1360:2013 - Type 1 - ND - 16 bar - Ω - month/year - batch number - Made in France  TRELLEBORG

BUTANE PROPANE E

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

For reels on road tankers for LPG delivery.

Discharge at pressure of petroleum products with aromatic content $\leq 50\%$.

Advantages

- Flexible and light weight.
- Excellent bending radius.
- Very good cover resistance.
- Dissipation of static electricity ensured by the tube and bonding braid.
- Pin-pricked cover for combustible gas conveyance.
- Very good oil resistance.

Technical description

Inner tube: LPG resistant NBR, black, smooth.

Reinforcement: synthetic textile, two braids.

Cover: oil and weather resistant CR, black, smooth for ID < 25 mm, fabric impression for ID ≥ 25 mm.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 1762:2003 type D.

ID mm	Wall thickness mm	Wall thickness mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
12.7	± 0.5	5.0	22.7	± 1.0	25	100	100	0.38
15.9	± 0.5	5.0	25.9	± 1.0	25	100	125	0.48
19.0	± 0.5	6.0	31.0	± 1.0	25	100	160	0.59
25.0	± 0.5	6.5	38.0	± 1.0	25	100	200	0.73
32.0	± 0.5	6.5	45.0	± 1.0	25	100	250	0.92
38.0	± 0.5	7.0	52.0	± 1.0	25	100	320	1.16
50.0	± 0.6	8.0	66.0	± 1.2	25	100	400	1.60
75.0	± 0.6	9.0	93.0	± 1.2	25	100	650	2.83
100.0	± 1.6	10.0	120.0	± 1.6	25	100	720	4.37
150.0	± 2.0	12.0	174.0	± 2.0	25	100	1000	7.94

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

BUTANE PROPANE E  TRELLEBORG

and embossed: TRELLEBORG - BUTANE PROPANE E - EN 1762:2003 - Type D - ND - 25 bar - Ω - month/year

TRELLOIL D

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

Multipurpose hose especially designed for petrol, oil and other petrochemical products (with aromatic content up to 50 %).

Advantages

- Flexible hose with very good resistance to petroleum products and weather conditions.
- Good cold flexibility.
- Dissipation of static electricity ensured by contact of built-in wire with the coupling.
- Large range of dimensions.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant SBR/NBR, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: built-in conductive wire.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
30.0	5.5 ± 0.5	41.0 ± 1.0	10	40	240	0.84	20 - 40	
32.0	5.5 ± 0.5	43.0 ± 1.0	10	40	250	0.89	20 - 40	
35.0	5.5 ± 0.5	46.0 ± 1.0	10	40	280	0.95	20 - 40	
38.0	6.0 ± 0.7	50.0 ± 1.0	10	40	300	1.08	20 - 40	
40.0	7.0 ± 0.7	54.0 ± 1.0	10	40	320	1.35	20 - 40	
45.0	7.0 ± 0.7	59.0 ± 1.0	10	40	360	1.49	20 - 40	
50.0	7.0 ± 0.7	64.0 ± 1.0	10	40	400	1.61	20 - 40	
60.0	7.0 ± 0.8	74.0 ± 1.5	10	40	480	2.06	20 - 40	
63.0	7.0 ± 0.8	77.0 ± 1.5	10	40	500	2.15	20 - 40	
70.0	7.5 ± 0.8	85.0 ± 1.5	10	40	560	2.58	20 - 40	
75.0	7.5 ± 0.8	90.0 ± 1.5	10	40	600	2.75	20 - 40	
80.0	7.5 ± 1.0	95.0 ± 1.5	10	40	640	2.85	20 - 40	
85.0	7.5 ± 1.0	100.0 ± 1.5	10	40	680	3.10	20 - 40	
89.0	8.0 ± 1.0	105.0 ± 1.5	10	40	710	3.40	20 - 40	
100.0	7.5 ± 1.0	115.0 ± 1.5	10	40	800	3.50	20 - 40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



PUMPADUKT D

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Discharge applications



Applications

Discharge of petroleum products, especially designed for applications on reels. Road tanker equipment for oil delivery (aromatic content up to 50 %).

Advantages

- Hose can be cut to length as required.
- Cover especially designed for oil, abrasion and weather resistance.
- Electrical conductivity ensured by the tube compound.
- In compliance with chemicals industry requirements.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant CR, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 1761, EN 12115.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
19.0	6.0 ± 0.5	31.0 ± 1.0	16	64	125	0.65	20 - 40	
25.0	6.0 ± 0.5	37.0 ± 1.0	16	64	150	0.78	20 - 40	
32.0	6.0 ± 0.5	44.0 ± 1.0	16	64	175	0.92	20 - 30 - 40 - 50 - 60 - 80	
38.0	6.5 ± 0.5	51.0 ± 1.0	16	64	225	1.20	20 - 30 - 40 - 50 - 60 - 80	
40.0	7.0 ± 0.6	54.0 ± 1.0	16	64	240	1.35	20 - 40	
50.0	8.0 - 0.6/+ 0.8	66.0 ± 1.2	16	64	275	1.88	20 - 40	
63.0	8.0 - 0.6/+ 0.8	79.0 ± 1.5	16	64	300	2.40	20 - 40	
65.0	8.0 - 0.6/+ 0.8	81.0 ± 1.5	16	64	310	2.45	20 - 40	
75.0	8.0 - 0.6/+ 0.8	91.0 ± 1.5	16	64	350	2.89	20 - 40	
80.0	8.0 - 0.6/+ 0.8	96.0 ± 1.5	16	64	375	3.02	20 - 40	
100.0	8.0 - 0.6/+ 0.8	116.0 ± 1.5	16	64	450	3.60	20 - 40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - PUMPADUKT D - NBR1 - EN 1761 - EN 12115 - ND - D - PN 16 - month/year

TRELLOIL S

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Suction and discharge applications



Applications

Suction and discharge of petroleum products with aromatic content up to 50 % in all industrial applications.

Road tanker equipment for oil and petrol deliveries.

Advantages

- Easily cut to length and fitted with couplings.
- Light weight and flexible, even at cold temperature.
- Dissipation of static electricity ensured by contact of built-in wire with the coupling.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: oil and weather resistant NBR/SBR, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: built-in conductive wire.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Max. vacuum bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	5.25	± 0.5	35.5	± 1.0	10	0.9	30	50	0.84	20 - 40	
32.0	5.25	± 0.5	42.5	± 1.0	10	0.9	30	65	0.99	20 - 40	
35.0	5.75	± 0.5	45.5	± 1.0	10	0.9	30	70	1.06	20 - 40	
38.0	5.75	± 0.5	49.5	± 1.0	10	0.9	30	80	1.22	20 - 40	
40.0	5.75	± 0.5	51.5	± 1.0	10	0.9	30	85	1.27	20 - 40	
45.0	6.00	± 0.5	57.0	± 1.0	10	0.9	30	90	1.49	20 - 40	
50.0	6.50	± 0.75	63.0	± 1.0	10	0.9	30	125	1.81	20 - 40	
55.0	6.50	± 0.75	68.0	± 1.5	10	0.9	30	145	1.95	20 - 40	
60.0	6.50	± 0.75	73.0	± 1.5	10	0.9	30	150	2.21	20 - 40	
63.0	6.50	± 0.75	76.0	± 1.5	10	0.9	30	160	2.24	20 - 40	
70.0	7.50	± 0.75	80.0	± 1.5	10	0.9	30	210	2.86	20 - 40	
75.0	7.50	± 0.75	90.0	± 1.5	10	0.9	30	225	3.03	20 - 40	
80.0	7.50	± 0.75	95.0	± 1.5	10	0.9	30	280	3.21	20 - 40	
89.0	7.50	± 0.75	104.0	± 1.5	10	0.9	30	335	3.55	20 - 40	
100.0	7.50	± 0.75	115.0	± 1.5	10	0.9	30	400	3.94	20 - 40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



PUMPADUKT S

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Suction and discharge applications



Applications

Suction and discharge of petroleum products with aromatic content up to 50 %.
Loading and unloading of boats and road or rail tankers.
Fixed installations in various industries.

Advantages

- Highly robust and flexible.
- Cover particularly resistant to hydrocarbons, abrasion, atmospheric conditions and ozone.
- Electrical conductivity assured by the inner tube compound.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: oil and weather resistant CR, black, fabric impression.
Temperature range: - 40 °C to + 100 °C .
Electrical properties: conductive tube and cover, $R < 10^6 \Omega/\text{lg}$.
Standard/Approval: EN 12115, EN 1761.



Complementary information

This hose has been checked and approved by INERIS (french notified body) for use in any ATEX areas.
For safe use, the hose assembly should be earth-connected with a resistance lower than $10^8 \Omega$.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes	
mm	mm	mm	bar	bar	bar	mm	kg/m	m		
19.0	± 0.5	6.0	31.0	± 1.0	16	64	0.9	125	0.83	20 - 40
25.0	± 0.5	6.0	37.0	± 1.0	16	64	0.9	150	1.02	20 - 40
32.0	± 0.5	6.0	44.0	± 1.0	16	64	0.9	175	1.25	20 - 40
38.0	± 0.5	6.5	51.0	± 1.0	16	64	0.9	225	1.65	20 - 40
40.0	± 0.6	6.5	53.0	± 1.0	16	64	0.9	240	1.79	20 - 40
50.0	± 0.6	8.0	66.0	± 1.2	16	64	0.9	275	2.29	20 - 40
63.0	± 0.6	8.0	79.0	± 1.2	16	64	0.9	300	2.93	40
65.0	± 0.6	8.0	81.0	± 1.2	16	64	0.9	320	3.00	20 - 40
75.0	± 0.6	8.0	91.0	± 1.2	16	64	0.9	350	3.65	20 - 40
80.0	± 0.8	8.0	96.0	± 1.6	16	64	0.9	370	3.98	20 - 40
100.0	± 0.8	8.0	116.0	± 1.6	16	64	0.9	450	5.85	20 - 40
125.0 *	± 1.0	10.0	145.0	± 2.0	16	48	0.9	650	8.23	20
150.0 *	± 1.0	11.0	172.0	± 2.0	16	48	0.9	750	10.50	20

* Not included in EN 12115 and EN 1761.

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed, ID 19 to 100 mm: TRELLEBORG - PUMPADUKT S - NBR1 - EN 12115:2011 - EN 1761 - SD - ND - WP 16 bar - Ω - month/year - batch number
and embossed, ID 125 to 150 mm: TRELLEBORG - PUMPADUKT S - NBR1 - SD - ND - WP 16 bar - Ω - month/year - batch number

PUMPADUKT L

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Suction and discharge applications



Applications

Suction and discharge of petroleum products with aromatics up to 50 %.
Equipement of road tank trucks for oil and petrol deliveries and their loading/unloading bays.

Advantages

- A highly light weight and flexible hose for easy handling. The corrugated cover allows extreme bendings.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: oil and weather resistant CR, black, corrugated, fabric impression.
Temperature range: - 40 °C to + 100 °C .
Electrical properties: conductive tube, $R < 10^8 \Omega/\text{lg}$.
Standard/Approval: TRbF 131 Teil 2, EN 1761.

ID		Wall thickness	OD		Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm		mm	mm		bar	bar	bar	mm	kg/m	m	
50.0	± 0.6	8.0	66.0	± 1.2	10	40	0.9	100	1.94	20 - 40	
75.0	± 0.6	8.0	91.0	± 1.2	10	40	0.9	150	3.00	40	
100.0	± 0.6	8.0	116.0	± 1.6	10	40	0.9	200	4.04	20 - 40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - PUMPADUKT L - NBR 1 - TRbF 131 Teil 2 - EN 1761 - SD - ND - WP 10 bar - Ω - month/year

TRELLOIL D EC

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Oil cargo



Applications

Transfer of petroleum products with aromatic content up to 50 % in large diameters.

Advantages

- Highly robust and flexible.
- Cover particularly resistant to hydrocarbons, abrasion, atmospheric conditions, and ozone.
- Electrical conductivity fully assured by the inner tube compound.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant CR, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/\text{lg}$

Informations complémentaires

Can be delivered with swaged-on standard steel flanges (PN 10, PN 16, PN 20). Please consult us for any other type of ends or delivery lengths.

ID mm		OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
100.0	± 1.5	118.0	± 1.5	20	60	600	4.15	40	
125.0	± 1.5	143.0		20	60	700	5.04	40	
150.0	± 1.5	170.0	± 2.0	20	60	900	6.50	40	
204.0	± 1.5	227.5	± 2.0	20	60	1400	9.63	40	
251.0	± 2.0	274.0	± 2.0	20	60	1800	11.67	40	

Longueurs en orange = standard stock. Longueurs en noir = longueurs hors stock (nous consulter pour les quantités minimum de commande).

Marquage :



and embossed: TRELLEBORG - TRELLOIL D EC - ND - WP 20 bar - BP 60 bar - Ω - mois/année - batch number - Made in France

MAGDALA 10

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Oil cargo



Applications

Discharge of petroleum products for dock or barge service.

For refined products with aromatic up to 50 %.

Advantages

- Can be coiled flat.
- Smooth inner tube to optimise flow.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: synthetic textile, cords.

Cover: oil and weather resistant CR, black, fabric impression.

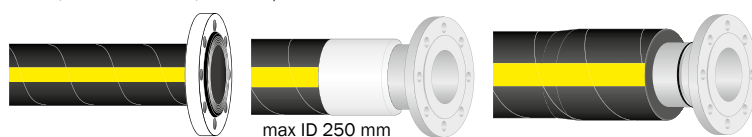
Temperature range: - 20 °C to + 82 °C.

Electrical properties: built-in conductive wire, $R < 0.5 \Omega/\text{m}$ (electrical discontinuity available on customer's request).

Standard/Approval: EN 1765/2004 type L10 (supersedes BS 1435).

Couplings/Fittings

Built-in flanges END-FLEX® or fixed or swivel flanges, either swaged-on or built-in (ISO PN 10, PN 16 ou PN 20, ASA 150).



Complementary information

MAGDALA 15 On request (WP = 15 bar, BP = 60 bar up to ID 200 mm).

ID mm		Wall thickness mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max. length m	Notes
50.0	-0/+1	6.0	62.0	± 1	10	40	300	1.37	20	
75.0	-0/+1	6.0	87.0	± 1	10	40	450	1.94	20	
100.0	-0/+1	7.0	114.0	± 1	10	40	600	2.96	20	
150.0	-0/+1	7.0	164.0	± 1	10	40	900	4.30	20	
200.0	-0/+2	7.0	214.0	± 1	10	40	1200	5.66	20	
250.0	-0/+2	8.1	266.2	± 2	10	40	1500	7.05	12	
300.0	-0/+2	8.1	316.2	± 2	10	40	n.a.	8.46	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and: MAGDALA 10 - EN 1765 - ND mm - ND " - L10 - Pressure rating 10 bar (150 PSI) - Electrically continuous or Electrically discontinuous - month - year - batch number

ATLANTIS 10

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Oil cargo



Applications

Floating discharge of petroleum products for offshore or barge service.
For refined products with aromatic content up to 50 %.

Advantages

- Can be coiled flat.
- Smooth inner tube to optimise flow.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: synthetic textile, cords.

Cover: oil and weather resistant CR, black, fabric impression.

Temperature range: - 20 °C to + 100 °C.

Electrical properties: built-in-wire, R < 0.5 Ω/m.

Couplings/Fittings

END-FLEX®, straight or enlarged ends.

Complementary information

Lengths up to 300 m are available on request.

No cuff for ID ≤ 100 mm.

For ATLANTIS 15 (WP = 15 bar, BP = 45 bar), consult us.

ID	Wall thickness	OD	Enlarged diameter	Cuff length	Working pressure	Bursting pressure	Bending radius	Weight	Max. length	Notes	
mm	mm	mm	mm	mm	bar	bar	mm	kg/m	m		
75.0	- 0/+ 1	6.0	87.0	± 1	-	-	10	30	450	1.98	300
80.0	- 0/+ 1	6.0	92.0	± 1	-	-	10	30	500	2.08	300
100.0	- 0/+ 1	7.0	114.0	± 1	-	-	10	30	600	2.90	300
125.0	- 0/+ 1	7.0	139.0	± 1	135	175	10	30	750	3.59	300
150.0	- 0/+ 1	7.0	164.0	± 1	164	150	10	30	900	4.27	300
175.0	- 0/+ 1	7.0	189.0	± 1	185	225	10	30	1050	4.96	300
204.0	- 0/+ 2	7.0	218.0	± 1	218	200	10	30	1200	5.75	300

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and: ATLANTIS - batch number - PMS 10 bar - Electrically continuous or Electrically discontinuous

TRELLOIL S EC

CHIMIE PETROCHIMIE

Oil and petroleum/Oil cargo



Applications

Transfer of petroleum products with aromatic content up to 50 % in large diameters.

Advantages

- Highly robust and flexible.
- Cover particularly resistant to hydrocarbons, abrasion, atmospheric conditions, and ozone.
- Electrical conductivity fully assured by the inner tube compound.

Technical description

Inner tube: oil and petrol resistant NBR, black, smooth.

Reinforcement: embedded steel helix.

Cover: oil and weather resistant CR, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive tube, R < 10⁶ Ω/lg

Complementary information

Can be delivered with swaged-on standard steel flanges (PN 10, PN 16, PN 20).

Please consult us for any other type of ends or delivery lengths.

ID		OD		Working pressure	Max. vacuum	Bursting pressure	Bending radius	Weight	Length	Notes
mm		mm		bar	bar	bar	mm	kg/m	m	
100.0	± 1.5	125.5	± 1.5	20	0.9	60	600	6.61	40	
125.0	± 1.5	151.0	± 1.5	20	0.9	60	700	8.06	40	
150.0	± 1.5	174.0	± 2.0	20	0.9	60	900	9.53	40	
204.0	± 1.5	232.0	± 2.0	20	0.9	60	1200	14.62	40	
251.0	± 1.5	281.0	± 2.5	20	0.9	60	1500	19.55	40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - TRELLOIL S EC - ND - WP 20 bar - BP 60 bar - Ω - mois/année - batch number - Made in France

DOCKER

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Oil cargo



Applications

Heavy duty suction and discharge of petroleum products for dock side service, for refined products with aromatic content up to 50 %.

Advantages

- Smooth inner tube.
- Bursting pressure > 60 bar.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: synthetic textile cords with embedded steel helix.

Cover: oil and weather resistant CR, black, fabric impression.

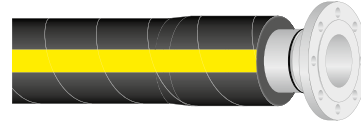
Temperature range: - 20 °C to + 82 °C .

Electrical properties: built-in conductive wire, R < 0.5 Ω/m (electrical discontinuity available on customer's request).

Standard/Approval: EN 1765:2004 type S15 (replaces BS 1435).

Complementary information

Manufactured with built-in flange: fixed or swivel (ISO PN 10, PN 16 or PN 20/ASA 150). Additional weight by length: built-in flange, slip-on or welding-neck types.



ID mm		Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Additional weight by length kg	Max. length m	Notes
75.0	-0/+1	14.5	104.0	15	60	0.9	500	7.7	20	20	
100.0	-0/+1	15.5	131.0	15	60	0.9	600	11.3	35	20	
150.0	-0/+1	15.5	183.0	15	60	0.9	850	17.5	60	13	
200.0	-0/+1	19.0	241.0	15	60	0.9	1100	24.5	90	10	
250.0	-0/+1	19.0	288.0	15	60	0.9	1350	32.0	125	13	
300.0	-0/+1	24.5	349.0	15	60	0.9	1600	52.6	170	13	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

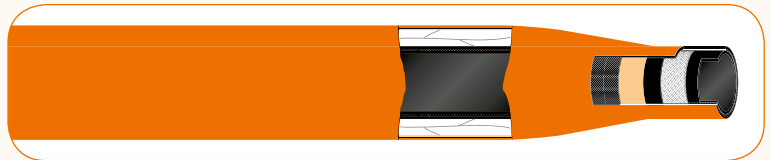


and: DOCKER - EN 1765 - Pressure rating 15 bar (225 PSI) - ND mm - ND " - S15 - month - year - batch number - Electrically continuous or Electrically discontinuous

TRELLFLOAT

CHEMICAL AND PETROCHEMICAL

Offshore floating supply hose



Applications

Rough, self floating hose for ship to rig purpose, as supply hose. Suitable for most medias like oil, diesel, water, cement, brine, baryte etc.

The hose are self floating, and made with orange cover for best possible visibility in open sea.

The TRELLFLOAT has integrated floating elements and has therefore no external floating devices, and reduced possibilities to hang up, especially on hose reels.

The floating elements are covered by high quality, wear and tear resistant NBR rubber. This cover is possible to repair locally if small damages to the hose occur.

Advantages

- The best choice for hose reels offshore.
- Good tear, ozone and wear resistance.
- Good flexibility.
- Cuffs for easy assembling with internal or external swaging.
- Good visibility.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: aramid.

Floating elements: Trelleborg floating elements.

Cover: oil, wear and weather resistant NBR, orange, smooth.

Température : - 20 °C à + 80 °C .

Couplings/Fittings

HP couplers for best possible flexibility to be adapted to a wide range of couplers alternatively with END-FLEX® flanges PN 10/16 or ASA 150 lbs.

ID inch	ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max stretch kN	Buoyancy kg/m	Max. length m	Notes
4	100.0	210	20	60	1000	10.5	3	25	20	
5	125.0	335	20	60	1250	17.8	5	50	20	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



AEROKLER

CHEMICAL AND PETROCHEMICAL

Oil and petroleum/Aviation oil



Applications

Aircraft ground refuelling with kerosene or petroleum fuel, aromatic content ≤ 50 %.
Fuel discharge under pressure.

Advantages

- Recognized by the major oil companies.
- Highly resistant non fuel contaminating tube.
- Supplied upon request, the hose assemblies are ready fitted with tin plated brass couplings secured by drop forged aluminium clamps.
- Hose assemblies are individually tested and supplied with a test certificate.
- Light weight, flexible and abrasion resistant hose.

Technical description

Inner tube: kerosene resistant NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: oil and weather resistant CR, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: semi-conductive cover, $10^3 \Omega/\text{lg} < R < 10^6 \Omega/\text{lg}$.

Standard/Approval: EI 1529/C, ISO 1825:2010.

Complementary information

Fitted lengths are available on request.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar (*)	Bending radius mm	Weight kg/m	Length m	Notes
19.0	6.00	± 0.5	31.0	± 1.0	20	80	0.15	90	0.55	20 - 30 - 40	
25.0	6.25	± 0.5	37.5	± 1.0	20	80	0.15	115	0.68	30 - 40	
32.0	6.25	± 0.5	44.5	± 1.0	20	80	0.15	140	0.86	30 - 40	
38.0	6.50	± 0.5	51.0	± 1.0	20	80	0.15	180	1.04	30 - 40	
50.0	8.00	± 0.75	66.0	± 1.50	20	80	0.15	215	1.78	30 - 40	
63.0	8.50	± 0.75	80.0	± 1.50	20	80	0.15	230	2.20	30 - 40	
75.0	8.00	± 0.75	91.0	± 1.50	20	80	-	230	2.53	30 - 40	
100.0	11.00	± 1.00	122.0	± 2.00	20	80	-	345	4.52	30 - 40	

* Hose retain 80 % of original internal diameter according to EI 1529/C, ISO 1825:2010.

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - AEROKLER - API/EI 1529/C - EN 1361:2004 - C/Ω - ND - WP 20 bar - month/year - batch number

PHARMAKLER FEP

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

For unloading bays, as well as mobile or fixed installations in fine food, chemical, pharmaceutical and cosmetics industries.
Suction and discharge of corrosive chemicals: fuels, solvents, oils and corrosive chemicals except chlorine trifluoride, fluorine gas dry, oxygen difluoride and molten alkalis such as sodiums.

Advantages

- Conveyed products are not spoiled (they keep clear and pure).
- Inner tube fully complies with FDA requirements.
- Smooth inner tube for maximum flow and easier cleaning (with steam up to 150 °C).
- Hose construction gives excellent bending radius.
- Non-staining cover with excellent resistance to ageing, atmospheric conditions and ozone.
- Optimum resistance of cover to abrasion and chemicals.
- OD sizes compatible with half-shell clamps.

Technical description

Inner tube: chemical resistant FEP (Fluorinated Ethylene Propylene), white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant EPDM, green, fabric impression.

Temperature range: - 40 °C to + 150 °C.

Electrical properties: built-in conductive wire.

Standard/Approval: EN 12115.

Couplings/Fittings

We recommend swaging of Trelleborg specially designed fittings, please contact us for further information.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
19.0	± 0.5	6.00	31.0 ± 1.0	10	40	0.9	80	0.73	20 - 40
25.0	± 0.5	6.00	37.0 ± 1.0	10	40	0.9	120	0.89	20 - 40
32.0	± 0.5	6.00	44.0 ± 1.0	10	40	0.9	175	1.15	20 - 40
38.0	± 0.5	6.50	51.0 ± 1.0	10	40	0.9	220	1.38	20 - 40
50.0	± 0.7	7.75	65.5 ± 1.2	10	40	0.9	290	2.20	20 - 40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - FEP - SD - ND - WP 10 BAR - - 40 °C/+ 150 °C - M - quarter/year - batch number - Made in France
Possible delivery in cut lengths, in multiple of 5 m with an extra cost of 20 €.

PHARMAKLER UPE

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

For unloading bays, as well as mobile or fixed installations in fine chemicals, pharmaceutical and cosmetics industries, especially in potentially explosive areas.
Suction and discharge of virtually all corrosive chemicals: strong acids, high aromatic solvents, chlorinated or oxygenised solvents, aromatic hydrocarbons, etc.

Advantages

- A versatile hose for a wide range of chemicals.
- Inner tube fully complies with FDA requirements.
- Smooth inner tube for easier cleaning (up to 140 °C during 30 minutes).
- Very good mechanical strength.
- Hose construction gives excellent bending radius.
- Non-staining cover with optimum resistance to ageing, atmospheric conditions and ozone.
- Optimum resistance of cover to abrasion and chemicals.
- OD sizes compatible with half-shell clamps.

Technical description

Inner tube: UPE (ultra high molecular weight polyethylene), white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant NBR, purple, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties:

Cover R < 10⁶ Ω/lg.

Electrical resistance through the hose R < 10⁹ Ω.

Standard/Approval: EN 12115.

Couplings/Fittings

We recommend swaging of Trelleborg specially designed fittings, please contact us for further information.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	± 0.5	6.00	37.0 ± 1.0	10	40	0.9	60	0.93	20 - 40
32.0	± 0.5	6.00	44.0 ± 1.0	10	40	0.9	85	1.14	20 - 40
38.0	± 0.5	6.50	51.0 ± 1.0	10	40	0.9	135	1.37	20 - 40
50.0	± 0.7	7.75	65.5 ± 1.2	10	40	0.9	185	2.21	20 - 40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - UPE - SD - ND - WP 10 BAR - - 40 °C/+ 100 °C - M/T - quarter/year - batch number - Made in France

CHEMIKLER D-EPDM

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Discharge of moderately corrosive chemicals: ketones, alcohols and acids.
For unloading bays on road, rail tankers, and cargo vessels.

Advantages

- Excellent resistance to corrosion and abrasion.
- Very good mechanical strength.
- Can be steam cleaned at + 130 °C during 30 minutes.
- Can be fitted with many types of couplings.

Technical description

Inner tube: chemical resistant EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive tube and cover, $R \leq 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 12115.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

Complementary information

The electrical properties of this hose make it safe to use in ATEX areas.



ID		Wall		OD		Working		Bursting		Bending		Weight		Length		Notes
mm		thickness		mm		pressure		pressure		radius		kg/m		m		
19.0	± 0.5	6.0		31.0	± 1.0	16		64		125		0.55		20 - 40		
25.0	± 0.5	6.0		37.0	± 1.0	16		64		150		0.68		20 - 40		
32.0	± 0.5	6.0		44.0	± 1.0	16		64		175		0.82		20 - 40		
38.0	± 0.5	6.5		51.0	± 1.0	16		64		225		0.96		20 - 40		
50.0	± 0.7	8.0		66.0	± 1.2	16		64		275		1.52		20 - 40		
63.0	± 0.8	8.0		79.0	± 1.2	16		64		300		1.89		20 - 40		
75.0	± 0.8	8.0		91.0	± 1.2	16		64		350		2.27		20 - 40		
80.0	± 0.8	8.0		96.0	± 1.6	16		64		370		2.50		20 - 40		
89.0	± 0.8	8.0		105.0	± 1.6	16		64		410		2.70		20 - 40		
100.0	± 0.8	8.0		116.0	± 1.6	16		64		450		2.95		20 - 40		

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

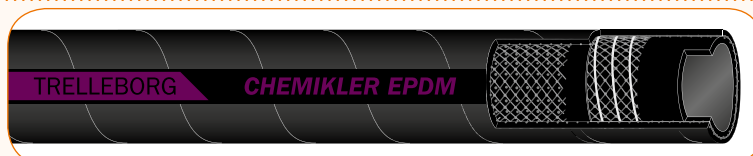


and embossed: TRELLEBORG - EN 12115:2011 - EPDM - D - ND - WP 16 bar - - 40 °C/+ 100 °C - Ω CL/T - quarter/year - batch number - Made in France

CHEMIKLER EPDM

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Suction and discharge of moderately corrosive chemicals: ketones, alcohols and acids.
For unloading bays on road, rail tankers and cargo vessels.

Advantages

- Excellent resistance to corrosion and abrasion.
- Very good mechanical strength.
- Can be steam cleaned at + 130 °C during 30 minutes.
- Can be fitted with many types of couplings.

Technical description

Inner tube: chemical resistant EPDM, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive tube and cover, $R \leq 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 12115.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

Complementary information

This hose has been checked and approved by INERIS (french notified body) for use in any ATEX areas.



ID	Wall thickness	OD	Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes	
mm	mm	mm	bar	bar	bar	mm	kg/m	m		
19.0	± 0.5	6.00	31.0	± 1.0	16	64	0.9	125	0.74	20 - 40
25.0	± 0.5	6.00	37.0	± 1.0	16	64	0.9	150	0.87	20 - 40
32.0	± 0.5	6.00	44.0	± 1.0	16	64	0.9	175	1.06	20 - 40
38.0	± 0.5	6.50	51.0	± 1.0	16	64	0.9	225	1.34	20 - 40
50.0	± 0.7	8.00	66.0	± 1.2	16	64	0.9	275	2.06	20 - 40
63.0	± 0.8	8.00	79.0	± 1.2	16	64	0.9	300	2.51	20 - 40
75.0	± 0.8	8.00	91.0	± 1.2	16	64	0.9	350	3.33	20 - 40
80.0	± 0.8	8.00	96.0	± 1.6	16	64	0.9	370	3.58	20 - 40
89.0	± 0.8	8.00	105.0	± 1.6	16	64	0.9	410	3.98	20 - 40
100.0	± 0.8	8.00	116.0	± 1.6	16	64	0.9	450	5.07	20 - 40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - EPDM - SD - ND - WP 16 bar - - 40 °C/+ 100 °C - Ω CL/T - quarter/year - batch number - Made in France

CHEMIKLER D-UPE

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Discharge of virtually all corrosive chemicals: strong acids, high aromatic solvents, chlorinated or oxygenised solvents, aromatic hydrocarbons, etc.
For mobile or fixed installations in chemical works, and associated industries.

Advantages

- A versatile hose for a wide range of chemicals.
- Very good mechanical strength.
- Inner tube in accordance with directives of American Food and Drug Administration (FDA).
- Smooth tube for easier washing out (up to 140 °C during 30 minutes).
- Excellent resistance to ageing, atmospheric conditions, and ozone.
- Optimum resistance of the cover to abrasion and chemicals.
- Can be fitted with many types of couplings.
- Although without helix, this hose can also work under vacuum (0,9 bar).

Technical description

Inner tube: UPE (ultra high molecular weight polyethylene), black, smooth.

Reinforcement: synthetic textile.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive UPE tube and rubber cover, $R \leq 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 12115.

Couplings/Fittings

Specially designed fittings are available, please consult us.

Complementary information

This hose has been checked and approved by INERIS (french notified body) for use in any ATEX areas.



ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.0	± 0.5	5.0	23.0 ± 1.0	16	64	90	0.32	20 - 40
16.0	± 0.5	5.0	26.0 ± 1.0	16	64	105	0.37	20 - 40
19.0	± 0.5	6.0	31.0 ± 1.0	16	64	125	0.51	20 - 40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - UPE - FDA - D - ND - WP 16 BAR - - 40 °C/+ 100 °C - Ω CL/T - quarter/year - batch number - Made in France

CHEMIKLER L-UPE

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Suction and discharge of virtually all corrosive chemicals: strong acids, high aromatic solvents, chlorinated or oxygenised solvents, aromatic hydrocarbons, etc.
For road and rail tankers, loading and unloading bays.

Advantages

- A versatile hose for a wide range of chemicals.
- Very good mechanical strength.
- Hose construction gives excellent bending radius.
- Inner tube in accordance with directives of American Food and Drug Administration (FDA).
- Smooth tube for easier washing out (up to 140 °C during 30 minutes).
- Excellent resistance to ageing, atmospheric conditions, and ozone.
- Optimum resistance to abrasion and chemicals.
- Can be fitted with many types of couplings.

Technical description

Inner tube: UPE (ultra high molecular weight polyethylene), black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive UPE tube, $R \leq 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 12115.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

Complementary information

The electrical properties of this hose make it safe to use in ATEX areas.



ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50.0	± 0.6	66.0 ± 1.2	10	40	0.9	150	1.77	40
75.0	± 0.6	91.0 ± 1.2	10	40	0.9	250	2.67	40
100.0	± 0.8	116.0 ± 1.6	10	40	0.9	350	3.79	40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - UPE - SD - ND - WP 10 BAR - - 40 °C/+ 100 °C - Ω CL/T - quarter/year - batch number - Made in France

CHEMIKLER UPE

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Suction and discharge of virtually all corrosive chemicals: strong acids, high aromatic solvents, chlorinated or oxygenated solvents, aromatic hydrocarbons, etc.
For road and rail tankers, unloading bays, as well as mobile or fixed installations in chemical works, and associated industries.

Advantages

- A versatile hose for a wide range of chemicals.
- Very good mechanical strength.
- Hose construction gives excellent bending radius.
- Inner tube in accordance with american regulation FDA 21.CFR.177.1520.
- Smooth tube for easier washing out (up to 140 °C during 30 minutes).
- Cover has excellent resistance to ageing, atmospheric conditions and ozone as well as optimum resistance to abrasion and chemicals.
- Can be fitted with many types of couplings.

Technical description

Inner tube: UPE (ultra high molecular weight polyethylene), black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 40 °C to + 100 °C.

Electrical properties: conductive UPE tube and rubber cover, $R \leq 10^6 \Omega/\text{lg}$.

Standard/Approval: EN 12115.

Couplings/Fittings

Specially designed fittings are available. Please consult us.

Complementary information

This hose has been checked and approved by INERIS (french notified body) for use in any ATEX areas.



ID		Wall thickness	OD		Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm		mm	mm		bar	bar	bar	mm	kg/m	m	
19.0	± 0.5	6.00	31.0	± 1.0	16	64	0.9	125	0.65	20 - 40	
25.0	± 0.5	6.00	37.0	± 1.0	16	64	0.9	150	0.76	20 - 40	
32.0	± 0.5	6.00	44.0	± 1.0	16	64	0.9	175	0.97	20 - 40	
38.0	± 0.5	6.50	51.0	± 1.0	16	64	0.9	225	1.24	20 - 40	
40.0	± 0.5	6.50	53.0	± 1.0	16	64	0.9	240	1.28	20 - 40	
43.0	± 0.5	6.50	56.0	± 1.0	16	64	0.9	260	1.26	20 - 40	
50.0	± 0.7	8.00	66.0	± 1.2	16	64	0.9	275	1.84	20 - 40	
53.0	± 0.7	8.00	69.0	± 1.2	16	64	0.9	290	2.09	20 - 40	
63.0	± 0.8	8.00	79.0	± 1.2	16	64	0.9	300	2.58	20 - 40	
65.0	± 0.8	8.00	81.0	± 1.2	16	64	0.9	320	2.62	20 - 40	
75.0	± 0.8	8.00	91.0	± 1.2	16	64	0.9	350	3.20	20 - 40	
80.0	± 0.8	8.00	96.0	± 1.6	16	64	0.9	370	3.45	20 - 40	
89.0	± 0.8	8.00	105.0	± 1.6	16	64	0.9	410	3.80	20 - 40	
100.0	± 0.8	8.00	116.0	± 1.6	16	64	0.9	450	4.17	20 - 40	
125.0 *	± 1.0	10.00	145.0	± 2.0	16	48	0.9	1000	6.26	10	
150.0 *	± 1.0	11.00	172.0	± 2.0	16	48	0.9	1200	7.73	10 - 20	

* Not included in EN 12115.

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - UPE - SD - ND - WP 16 BAR -- 40 °C/+ 100 °C - Ω CL/T - quarter/year - batch number - Made in France

CHEMIKLER FEP

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Suction and discharge of corrosive chemicals: fuels, solvents, oils and corrosive chemicals except *chlorine trifluoride, fluorine gas dry, oxygen difluoride, phosgene and molten alkalis metals such as sodium.*

For road and rail tankers, unloading bays as well as mobile and fixed installations in chemical, pharmaceutical, and allied industries.

Advantages

- Conveyed products are not spoiled (they keep clear and pure).
- Smooth inner tube for maximum flow and easier washing out (with steam up to + 150 °C).
- Inner tube in accordance with directives of American Food and Drug Administration (FDA).
- Together with the built-in wire which is connected to the coupling, the cover will secure conductivity of electrical charges.
- Hose construction gives an excellent bending radius.
- Abrasion and chemical resistant cover.
- Can be fitted with many types of couplings.

Technical description

Inner tube: chemical resistant FEP (Fluorinated Ethylene Propylene), white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 40 °C to + 150 °C.

Electrical properties: built-in conductive wire, $R \leq 10^2 \Omega/\text{lg}$ and conductive cover.

Standard/Approval: EN 12115.

Couplings/Fittings

Specialty designed fittings are available, please contact us for further information in order to get optimum connections.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
19.0	± 0.5	6.0	31.0 ± 1.0	16	64	0.9	200	0.69	20 - 40
25.0	± 0.5	6.0	37.0 ± 1.0	16	64	0.9	225	0.84	20 - 40
32.0	± 0.5	6.0	44.0 ± 1.0	16	64	0.9	275	1.08	20 - 40
38.0	± 0.5	6.5	51.0 ± 1.0	16	64	0.9	350	1.37	20 - 40
50.0	± 0.7	8.0	66.0 ± 1.2	16	64	0.9	400	2.03	20 - 40
63.0	± 0.6	8.0	79.0 ± 1.2	16	64	0.9	450	2.68	20 - 40
75.0	± 0.8	8.0	91.0 ± 1.2	16	64	0.9	525	3.17	20 - 40

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - EN 12115:2011 - FEP - SD - ND - WP 16 BAR - - 40 °C/+ 150 °C - Ω C/T - quarter/year - batch number - Made in France
Possible delivery in cut lengths, in multiple of 5 m with an extra cost of 20 €.

TRANSACID

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Suction and discharge of virtually all corrosive chemicals: strong acids, high aromatic solvents, chlorinated or oxygenated solvents, aromatic hydrocarbons, etc.
For road and rail tankers, unloading bays, as well as mobile or fixed installations in chemical works, and associated industries.

Advantages

- A versatile hose for a wide range of chemicals.
- Hose construction gives excellent bending radius.
- Smooth tube for easier washing out (up to 140 °C during 30 minutes).
- Excellent resistance to ageing, atmospheric conditions, and ozone.
- Optimum resistance to abrasion and chemicals.
- Easy to cut to be fitted with many types of couplings.

Technical description

Inner tube: UPE (ultra high molecular weight polyethylene), black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: conductive UPE tube, $R \leq 10^6 \Omega/m$.

Couplings/Fittings

Specially designed fittings are available, please contact us for further information in order to get optimum connections.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	± 0.5	35.0	10	40	0.8	90	0.70	20 - 40	
32.0	± 0.5	42.0	10	40	0.8	110	0.90	20 - 40	
38.0	± 0.5	49.0	10	40	0.8	130	1.00	20 - 40	
45.0	± 0.5	56.0	10	40	0.8	155	1.20	20 - 40	
50.0	± 0.7	62.0	10	40	0.8	170	1.30	20 - 40	
55.0	± 0.7	67.0	10	40	0.8	190	1.45	20 - 40	
65.0	± 0.8	77.0	10	40	0.8	220	1.75	20 - 40	
75.0	± 0.8	88.0	10	40	0.8	250	2.20	20 - 40	
80.0	± 0.8	93.0	10	40	0.8	350	2.45	20 - 40	
89.0	± 0.8	102.0	10	40	0.8	400	2.70	20 - 40	
100.0	± 0.8	114.0	10	40	0.8	500	3.05	20 - 40	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

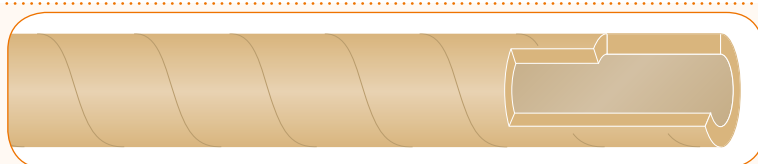
Embossed branding:

TRANSACID - DN - WP 10 bar - $R \leq 10^6 \Omega/m$ - month/year - Made in France

PARATUB

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Transfer



Applications

Discharge under pressure or gravity flow of corrosive products such as acids and alkalis.

Advantages

- Tube can be cut to length as required.
- Flexible and easy to handle.
- Excellent resistance to low temperatures.

Technical description

Inner tube: chemical resistant NR, beige, smooth.

Cover: fabric impression.

Temperature range: - 40 °C to + 70 °C.

Electrical properties: non conductive.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Weight kg/m	Length m	Notes
15.0	- 0/+ 1	25.0	1	0.34	20	
20.0	- 0/+ 1	30.0	1	0.43	20 - 40	
25.0	- 0/+ 1	35.0	1	0.51	20 - 40	
30.0	- 0/+ 1	40.0	1	0.59	20 - 40	
35.0	- 0/+ 1	45.0	1	0.67	20 - 40	
40.0	- 0/+ 1	50.0	1	0.76	20 - 40	
50.0	- 0/+ 1	60.0	1	0.92	20 - 40	
60.0	- 0/+ 1	70.0	1	1.09	20 - 40	
80.0	- 0/+ 1	95.0	1	2.12	20 - 40	

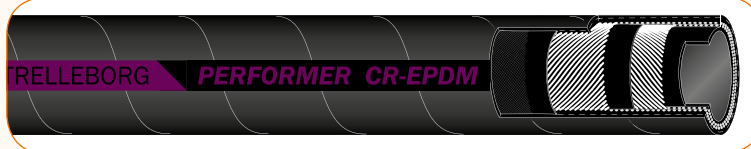
Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

PERFORMER CR-EPDM

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Handling



Applications

Hydraulic discharge of corrosive, slightly aggressive products such as acids and alkalis (see chemical resistant chart).

Advantages

- Excellent resistance to corrosion.
- Low installation costs.
- Very good cover resistance to accidental splashing of chemicals.
- Can be steam cleaned 15 minutes at + 130 °C.
- Damping of vibration, noise and pressure surges.
- Many types of fittings can be used with cuff ends.
- Hose can be made to length with integrated (vulcanized) END-FLEX® flanges.

Technical description

Inner tube: chemical resistant EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant EPDM, black, fabric impression.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/m$ (on request, built-in conductive wire).

Couplings/Fittings

Standard steel END-FLEX® flanges available with PN 10/16/20 (ASA 150) drilling. Other material/drilling On request.

Complementary information

Hoses can be manufactured with straight or enlarged ends.

ID mm		OD mm		Enlarged diameter mm	Cuff length mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max. length m	Notes
100.0	-0/+1	120.0	±2.0	112	110	10	30	800	3.76	20	
125.0	-0/+1	145.0	±2.0	138	125	10	30	1000	4.60	20	
150.0	-0/+1	170.0	±2.0	170	150	10	30	1200	5.45	20	
175.0	-0/+1	195.0	±2.0	195	175	10	30	1400	6.31	10	
200.0	-0/+2	220.0	±2.0	220	200	10	30	1600	7.16	12	
250.0	-0/+2	270.0	±2.5	273	250	10	30	2000	8.87	12	
300.0	-0/+2	320.0	±2.5	325	375	10	30	2500	10.56	12	
350.0	-0/+2	373.0	±3.0	375	440	10	30	3000	13.86	12	
400.0	-0/+2	423.0	±3.0	425	500	10	30	3400	15.78	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: month/year

PERFORMER CD-EPDM

CHEMICAL AND PETROCHEMICAL

Chemical and corrosive products/Handling



Applications

Hydraulic suction and discharge of hot corrosive and aggressive products (see chemical resistance chart).

Advantages

- High quality EPDM tube with excellent chemical resistance.
- Low installation cost.
- Good resistance of cover to accidental splashing of corrosive products.
- Can be steam cleaned 15 minutes at + 130 °C.
- Damping of vibration, noise and pressure surges.
- Many types of fittings can be used with cuff ends.
- Hose can be made to length with integrated (vulcanized) END-FLEX® flanges.

Technical description

Inner tube: chemical resistant EPDM, black, smooth.

Reinforcement: synthetic textile cords with embedded steel helix.

Cover: chemical and weather resistant EPDM, black, fabric impression.

Temperature range: - 30 °C to + 100 °C.

Electrical properties: conductive tube, $R < 10^6 \Omega/m$.

Couplings/Fittings

Standard steel END-FLEX® flanges available with PN 10/16/20 (ASA 150) drilling. Other material/drilling On request.

Complementary information

Hoses can be manufactured with straight or enlarged ends.

ID mm		OD mm		Enlarged diameter mm	Cuff length mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
100.0	-0/+1	130.0	±2.0	112	110	10	30	0.9	500	6.56	20	
125.0	-0/+1	155.0	±2.0	138	125	10	30	0.9	750	7.97	20	
150.0	-0/+1	180.0	±2.0	170	150	10	30	0.9	1050	9.37	20	
175.0	-0/+1	205.0	±2.0	195	175	10	30	0.9	1300	10.79	10	
200.0	-0/+2	235.0	±2.0	220	200	10	30	0.9	1600	15.34	12	
250.0	-0/+2	285.0	±2.5	273	250	10	30	0.9	2000	19.09	12	
300.0	-0/+2	340.0	±2.5	325	375	10	30	0.9	2400	27.66	12	
350.0	-0/+2	393.0	±3.0	375	440	10	30	0.9	3000	35.41	12	
400.0	-0/+2	443.0	±3.0	425	500	10	30	0.9	3400	40.19	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: month/year

TRELLFLEX OIL 10 GG

CHEMICAL PETROCHEMICAL

Composite hoses/Oil and petroleum



Applications

Suction and discharge of light or heavy petroleum products and derivatives with aromatic content up to 100 %.
Road and rail equipment or fixed installations.

Advantages

- Both black and white oil can be carried.
- Low bending radius.

Technical description

Internal helix: galvanized steel.

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, black, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1,0 Ω/m.

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

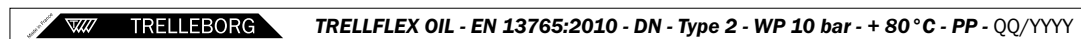
Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50	62	10	40	0.9	180	1.97	30	
65	78.5	10	40	0.9	200	2.82	30	
80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLFLEX OIL 14 GG

CHEMICAL PETROCHEMICAL

Composite hoses/Oil and petroleum



Applications

Suction and discharge of light or heavy petroleum products and derivatives with aromatic content up to 100 %.
Road and rail equipment or fixed installations.

Advantages

- Both black and white oil can be carried.
- Low bending radius.

Technical description

Internal helix: galvanized steel.

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, black, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm

≤ 1,0 Ω/m for DN ≥ 50 mm

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

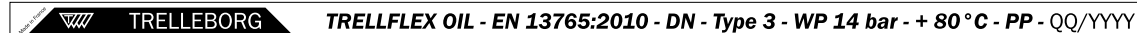
Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	37	14	56	0.9	100	0.84	30	
32	43	14	56	0.9	120	1.03	30	
40	52	14	56	0.9	140	1.26	30	
50	62	14	56	0.9	180	1.55	30	
65	78.5	14	56	0.9	200	2.51	30	
80	95	14	56	0.9	280	2.88	30	
100	121	14	56	0.9	400	4.70	30	
125	149	14	56	0.9	450	8.16	15	
150	180	14	56	0.9	500	10.80	20	
200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

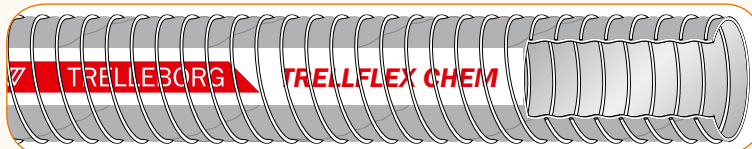
Branding:



TRELLFLEX CHEM 10 PG

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.
- External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: polypropylene coated steel.

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1.0 Ω/m

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50	62	10	40	0.9	180	1.97	30	
65	78.5	10	40	0.9	200	2.82	30	
80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

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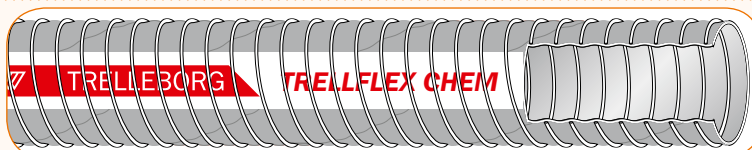
Branding:



TRELLFLEX CHEM 14 PG

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.
- External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: polypropylene coated steel.

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for < 50 mm

≤ 1.0 Ω/m pour les DN ≥ 50 mm

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

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ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
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80	95	14	56	0.9	280	2.88	30	
100	121	14	56	0.9	400	4.70	30	
125	149	14	56	0.9	450	8.16	15	
150	180	14	56	0.9	500	10.80	20	
200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

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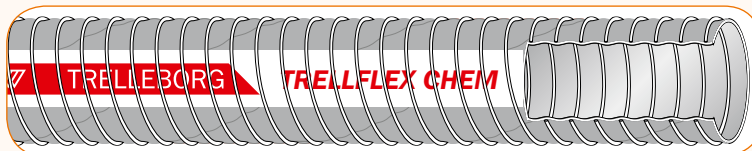
Branding:



TRELLFLEX CHEM 10 PS

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.

Electrical conductivity assured by the external helix which is attached to the couplings.

Technical description

Internal helix: polypropylene coated steel.

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1.0 Ω/m

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
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80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

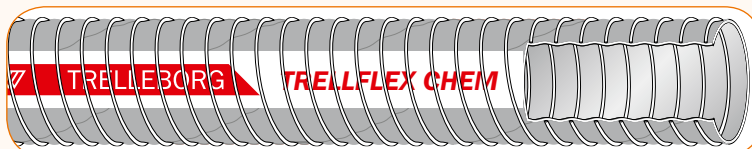
Branding:



TRELLFLEX CHEM 14 PS

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.

Technical description

Internal helix: polypropylene coated steel.

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm

≤ 1.0 Ω/m for DN ≥ 50 mm

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

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50	62	14	56	0.9	180	1.55	30	
65	78.5	14	56	0.9	200	2.51	30	
80	95	14	56	0.9	280	2.88	30	
100	121	14	56	0.9	400	4.70	30	
125	149	14	56	0.9	450	8.16	15	
150	180	14	56	0.9	500	10.80	20	
200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

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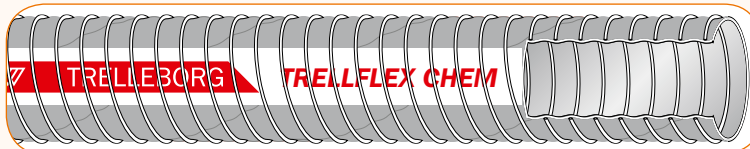
Branding:



TRELLFLEX CHEM 10 SG

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.

External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1.0 Ω/m

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50	62	10	40	0.9	180	1.97	30	
65	78.5	10	40	0.9	200	2.82	30	
80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLFLEX CHEM 10 SS

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1.0 Ω/m

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

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80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

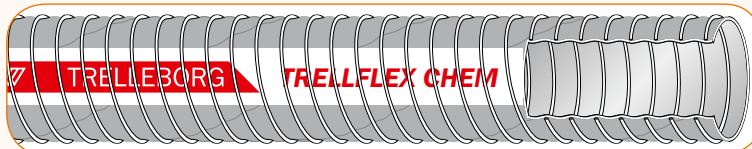
Branding:



TRELLFLEX CHEM 14 SG

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.

External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm
≤ 1.0 Ω/m for DN ≥ 50 mm.

Standard/Approval: EN 13765 and ADR.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
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65	78.5	14	56	0.9	200	2.51	30	
80	95	14	56	0.9	280	2.88	30	
100	121	14	56	0.9	400	4.70	30	
125	149	14	56	0.9	450	8.16	15	
150	180	14	56	0.9	500	10.80	20	
200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

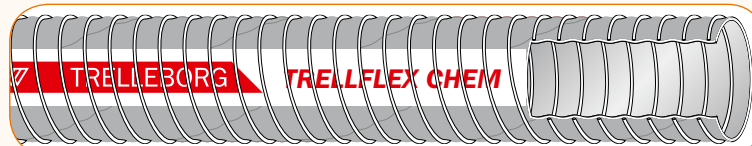
Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

TRELLFLEX CHEM 14 SS

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of aggressive or corrosive chemicals, chemical waste, and all petroleum products with aromatic content up to 100 %. For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.
- External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: polypropylene film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, grey, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm
≤ 1.0 Ω/m for DN ≥ 50 mm.

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	37	14	56	0.9	100	0.84	30	
32	43	14	56	0.9	120	1.03	30	
40	52	14	56	0.9	140	1.26	30	
50	62	14	56	0.9	180	1.55	30	
65	78.5	14	56	0.9	200	2.51	30	
80	95	14	56	0.9	280	2.88	30	
100	121	14	56	0.9	400	4.70	30	
125	149	14	56	0.9	450	8.16	15	
150	180	14	56	0.9	500	10.80	20	
200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLFLEX CHEM PTFE 10 SG

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of very aggressive or very corrosive chemicals, chemical waste.

For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.
- External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: PTFE film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, red, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1.0 Ω/m

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50	62	10	40	0.9	180	1.97	30	
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80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

TRELLFLEX CHEM PTFE 14 SG

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of very aggressive or very corrosive chemicals, chemical waste.

For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
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Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: PTFE film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, red, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm

≤ 1.0 Ω/m for DN ≥ 50 mm.

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

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200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLFLEX CHEM PTFE 10 SS

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of very aggressive or very corrosive chemicals, chemical waste.

For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.
- External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: PTFE film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, red, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 1.0 Ω/m

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

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50	62	10	40	0.9	180	1.97	30	
65	78.5	10	40	0.9	200	2.82	30	
80	95	10	40	0.9	280	3.30	30	
100	118	10	40	0.9	400	3.96	30	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

	TRELLEBORG	TRELLFLEX CHEM PTFE - EN 13765:2010 - DN - Type 2 - WP 10 bar - + 80 °C - PTFE - QQ/YYYY
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TRELLFLEX CHEM PTFE 14 SS

CHEMICAL PETROCHEMICAL

Composite hoses/Chemical and corrosive products



Applications

Suction and discharge of a large number of very aggressive or very corrosive chemicals, chemical waste.

For road and rail tanker equipment or fixed installations in the chemical industry.

Advantages

- Easy to handle due to hose flexibility (low bending radius).
- Usable at a wide range of temperatures.
- Capable of handling many different chemicals.
- External helix in stainless steel designed for corrosion resistance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: PTFE film.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, red, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm

≤ 1.0 Ω/m for DN ≥ 50 mm.

Standard/Approval: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
25	37	14	56	0.9	100	0.84	30	
32	43	14	56	0.9	120	1.03	30	
40	52	14	56	0.9	140	1.26	30	
50	62	14	56	0.9	180	1.55	30	
65	78.5	14	56	0.9	200	2.51	30	
80	95	14	56	0.9	280	2.88	30	
100	121	14	56	0.9	400	4.70	30	
125	149	14	56	0.9	450	8.16	15	
150	180	14	56	0.9	500	10.80	20	
200	234	14	56	0.9	740	17.60	20	
250	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

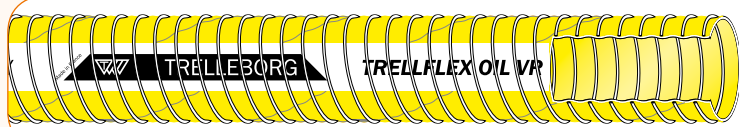
Branding:

	TRELLEBORG	TRELLFLEX CHEM PTFE - EN 13765:2010 - Type 3 - DN - WP 14 bar - + 80 °C - PTFE - QQ/YYYY
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TRELLFLEX OIL VR GG

CHEMICAL AND PETROCHEMICAL

Composite hoses/Vapor recovery



Applications

Hydrocarbon vapor recovery.

Advantages

- Easy handling due to hose flexibility (low bending radius).
- Electrical conductivity ensured by the two helices which are attached to the couplings.

Technical description

Internal helix: galvanized steel.

Inner tube: polypropylene.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, yellow, corrugated.

External helix: galvanized steel.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm
≤ 1.0 Ω/m for DN ≥ 50 mm.

Standard/Approval: EN 13765.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information


Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID inch	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
2"	62	7	28	0.9	180	1.55	30	
2"1/2	78.5	7	28	0.9	200	2.51	30	
3"	95	7	28	0.9	280	2.88	30	
4"	118	7	28	0.9	400	4.70	30	
5"	149	7	28	0.9	450	8.16	15	
6"	180	7	28	0.9	500	10.80	20	
8"	234	7	28	0.9	740	17.60	20	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

 TRELLEBORG TRELLFLEX OIL VR - EN 13765:2010 - Type 1 - DN - WP 7 bar - + 80 °C - PP - QQ/YYYY

TRELLFLEX BIOFUEL

CHEMICAL AND PETROCHEMICAL

Composite hoses/Biofuel



Applications

Suction and discharge of light or heavy petroleum products and derivatives with aromatic content up to 100 %, especially kerosene, JET, AVGAS, Biofuel, ethanol.

Road and rail equipment or fixed installations.

Advantages

- Capable of handling solvents.
- Easy handling due to hose flexibility (low bending radius).
- Electrical conductivity ensured by the two helices which are attached to the couplings.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: PTFE film.

Reinforcement: PP fabrics, PP and PET layers.

Cover: PVC coated fabric, green, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: ≤ 2.5 Ω/m for DN < 50 mm
≤ 1.0 Ω/m for DN ≥ 50 mm.

Standard/Approval: BS 5842. On request: EN 13765 and ADR.

Couplings/Fittings

All types of swaged couplings.

Semi-symmetrical: aluminium, gun-metal, stainless steel, polypropylene.

Knuckles thread swivel, male and female: aluminium or gun-metal.

Cam action quick couplings (Kamlok type).

Fixed or swivel ISO PN 10, ISO PN 20.

Complementary information


Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID inch	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
1"	37	14	56	0.9	100	0.84	30	
1"1/4	43	14	56	0.9	120	1.03	30	
1"1/2	52	14	56	0.9	140	1.26	30	
2"	62	14	56	0.9	180	1.55	30	
2"1/2	78.5	14	56	0.9	200	2.51	30	
3"	95	14	56	0.9	280	2.88	30	
4"	121	14	56	0.9	400	4.70	30	
5"	149	14	56	0.9	450	8.16	15	
6"	180	14	56	0.9	500	10.80	20	
8"	234	14	56	0.9	740	17.60	20	
10"	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

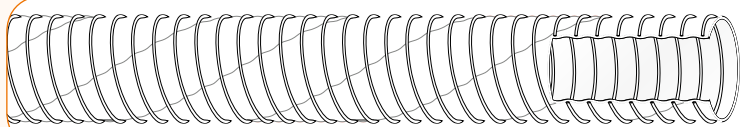
Branding:

 TRELLEBORG TRELLFLEX BIOFUEL - EN 13765:2010 - Type 3 - DN - WP 14 bar - + 80 °C - PTFE - QQ/YYYY

TRELLFLEX ROOF DRAIN

CHEMICAL AND PETROCHEMICAL

Composite hoses/Roof drain



Applications

Removal of rain water from the roof of an external floating roof tank.

Advantages

- Suitable for hydrocarbons containing up to 100 % aromatics.
- Natural negative buoyancy.
- Field tested and approved for years.
- Easy to handle and to set up.
- Long service life (up to 10 years).
- Low maintenance.

Technical description

Internal helix: stainless steel 304L (stainless steel 316L on request).

Inner tube: polypropylene film.

Reinforcement: polypropylene/polyester layers.

Cover: polyamide, white, corrugated.

External helix: stainless steel 304L (stainless steel 316L on request).

Temperature range: - 30 °C to + 80 °C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings.

Standard/Approval: BS 5842.

Couplings/Fittings

Fixed or swivel ISO PN 10, ISO PN 20 (other possibilities on request).

Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Imperial size on request.

ID inch	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
2"	62	14	56	0.9	180	1.55	30	
2"1/2	78.5	14	56	0.9	200	2.51	30	
3"	95	14	56	0.9	280	2.88	30	
4"	121	14	56	0.9	400	4.70	30	
6"	180	14	56	0.9	500	10.80	20	
8"	234	14	56	0.9	740	17.60	20	
10"	297	14	56	0.9	920	22.50	12	

Length in orange = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

TRELLFLEX

NBR rubber gasket

CHEMICAL AND PETROCHEMICAL

Composite hoses/Accessories



ID hose inch	ID hose mm	Notes
1"	25	
1"1/4	32	
1"1/2	38	
2"	51	
2"1/2	63	
3"	76	
4"	102	

TRELLFLEX

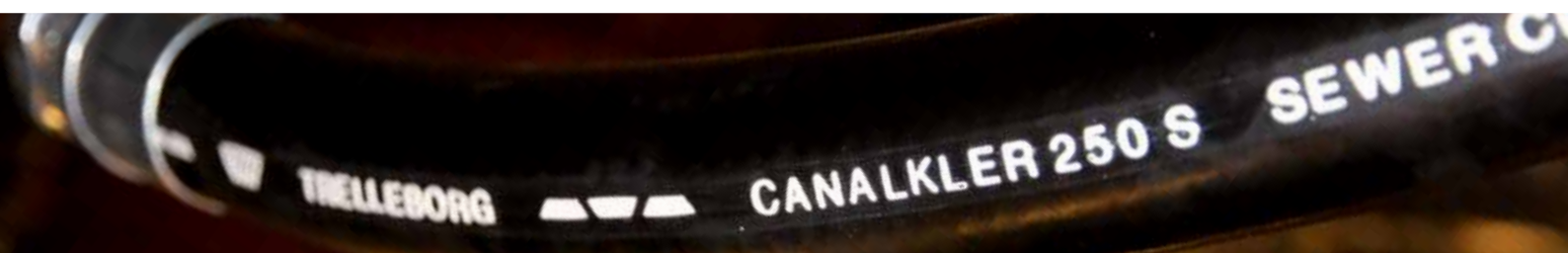
galvanized steel ferrules

CHEMICAL AND PETROCHEMICAL

Composite hoses/Accessories



ID hose inch	ID hose mm	Notes
1"	25	
1"1/4	32	
1"1/2	38	
2"	51	
2"1/2	63	
3"	76	
4"	102	



Performance Hose and Assemblies

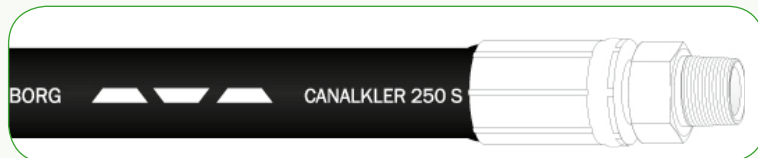
Construction and environment

- | | |
|--------------------------------------------------------------|---------------|
| ❑ Drain and sewer cleaning | p. 85 to 87 |
| ❑ Evacuation and material handling hoses | p. 88 to 92 |
| ❑ Bulk tank truck discharge | p. 93 to 95 |
| ❑ Air line | p. 95 |
| ❑ Blasting and guniting | p. 96 to 97 |
| ❑ Spraying | p. 97 to 98 |
| ❑ Concrete pump and placement | p. 98 to 99 |
| ❑ Abrasive materials hydraulic and pneumatic handling | p. 100 to 106 |
| ❑ Couplings | p. 107 à 111 |

CANALKLER 250S assembly

CONSTRUCTION AND ENVIRONMENT

Drain and sewer cleaning



Applications

Sewer jetting and heavy duty, high pressure water cleaning.

Advantages

- Very low sliding resistance which allows: higher cleaning efficiency, reduction of cleaning time and therefore, reduction of fuel consumption.
- Longer lifespan thanks to the special cover compound with higher abrasion resistance.
- Better flexibility, even at low temperatures.
- Easy to handle and user friendly.
- Deformation resistance.
- Extra high strength and security due to aramide reinforcement.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: aramide textile, braided.

Cover: SBR/NR, black, smooth.

Temperature range: - 30 °C to + 80 °C.

Standard/Approval: ZH 1/406 (Guidelines for fluid spray jets).

Couplings/Fittings

All hoses are assembled with BSP female/BSP male.

All assembled hoses are pressure tested at 375 bar and have a unique hose number.

Complementary information

Delivered with test certificate on each factory assembled hose.

ID mm		Wall thickness mm		OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.0	± 0.5	6.30	± 0.5	25.6	250	> 625	70	0.45	40	
13.0	± 0.5	6.30	± 0.5	25.6	250	> 625	70	0.45	60	
13.0	± 0.5	6.30	± 0.5	25.6	250	> 625	70	0.45	80	
13.0	± 0.5	6.30	± 0.5	25.6	250	> 625	70	0.45	100	
13.0	± 0.5	6.30	± 0.5	25.6	250	> 625	70	0.45	120	
19.0	± 0.6	6.30	± 0.5	31.6	250	> 625	90	0.61	40	
19.0	± 0.6	6.30	± 0.5	31.6	250	> 625	90	0.61	80	
19.0	± 0.6	6.30	± 0.5	31.6	250	> 625	90	0.61	100	
19.0	± 0.6	6.30	± 0.5	31.6	250	> 625	90	0.61	120	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	40	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	50	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	80	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	100	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	120	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	150	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	160	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	180	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	200	
25.0	± 0.8	7.15	± 0.5	39.3	250	> 625	100	0.90	240	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	40	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	80	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	120	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	150	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	160	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	180	
32.0	± 1.0	7.80	± 0.6	47.6	250	> 625	130	1.12	200	
38.0	± 1.0	8.00	± 0.8	54.0	250	> 500	155	1.35	120	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding:



KLERIX

CONSTRUCTION AND ENVIRONMENT

Drain and sewer cleaning



Applications

For use in sewer cleaning water pressure applications.
Suitable for replacing hydraulic hoses used in this application.

Advantages

- Abrasion and weather resistant cover compound.
- Smooth cover, low friction.
- Long lengths.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: steel, braided.

Cover: SBR/NR, black, smooth.

Temperature range: - 30 °C to + 80 °C.

Couplings/Fittings

Hydraulic coupling.

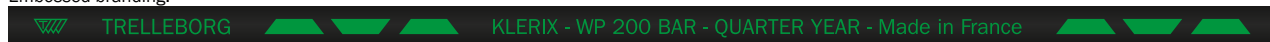
Complementary information

Delivered without couplings.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.0	± 0.8	5.00	23.0 ± 0.8	200	500	70	0.45	40 - 60 - 80 - 100 - 120
19.0	± 0.8	6.25	31.5 ± 0.8	200	500	95	0.82	40 - 60 - 80 - 100 - 120
25.0	± 1.0	6.55	38.1 ± 1.0	200	500	110	1.14	60 - 80 - 100 - 120
32.0	± 1.2	6.95	45.9 ± 1.2	200	500	150	1.57	60 - 80 - 100 - 120

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Embossed branding:



ASPIKLER N

CONSTRUCTION AND ENVIRONMENT

Drain and sewer cleaning



Applications

For sewer suction.
Also for suction or delivery of abrasive materials on stationary systems and for cassette applications on sewer cleaning vehicles.

Advantages

- High resistance to abrasive environment and abrasive transportation media.
- Suitable both for suction and pressure.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile cords with embedded steel helix.

Cover: SBR/NR, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
100.0	± 1.0	8.0	116.5 ± 1.5	6	15	0.9	450	4.30	20 - 40
125.0	± 1.2	9.5	144.0 ± 1.5	6	15	0.9	550	6.30	20 - 40
150.0	± 1.2	10.0	170.0 ± 1.5	6	15	0.9	650	7.77	20

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



ZEPHIR S

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

For suction of light industrial debris and dust.

Suitable for conveying small particles and moderately abrasive materials.

Advantages

- Very light weight and easy to handle.
- Excellent bending radius and flexibility.
- Very good crush resistance.

Technical description

Inner tube: wear resistant NR, beige, smooth.

Reinforcement: synthetic textile, cords, with embedded steel helix.

Cover: rubber coated fabric, white, corrugated.

Temperature range: - 30 °C to + 70 °C.

Resistance ●●●○○● **R**

Flexibility ●●●●●● **F**

Weight ●●●●●● **W**

ID mm		Wall thickness mm		OD mm		Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
30.0	± 1.5	4.5	± 0.75	39.0	± 1.5	0.8	150	0.50	10	
35.0	± 1.5	4.5	± 0.75	44.0	± 1.5	0.8	175	0.57	10	
40.0	± 1.5	4.5	± 0.75	49.0	± 1.5	0.8	200	0.63	10	
50.0	± 1.5	4.5	± 1.0	59.0	± 2.0	0.8	250	0.79	10	
60.0	± 1.5	4.5	± 1.0	69.0	± 2.0	0.8	300	0.90	10	
70.0	± 1.5	4.5	± 1.0	79.0	± 2.0	0.8	350	1.02	10	
80.0	± 1.5	5.5	± 1.0	91.0	± 2.0	0.8	400	1.46	10	
100.0	± 1.5	5.5	± 1.0	111.0	± 2.0	0.8	500	1.79	10	
105.0	± 1.5	5.5	± 1.0	116.0	± 2.0	0.8	525	1.84	10	
115.0	± 1.5	5.5	± 1.0	126.0	± 2.0	0.8	585	2.00	10	
125.0	± 1.5	5.5	± 1.0	136.0	± 2.0	0.8	625	2.23	10	
150.0	± 1.5	7.0	± 1.0	164.0	± 2.0	0.8	750	3.76	10	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

TRELLVAC Extractor LD

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Universal ducting hose for dust, wood chips, small particles and various types of gas.

Advantages

- Light and flexible.
- Excellent bending radius.
- Especially useful when low weight and easy handling are valued.

Technical description

Inner tube: wear resistant SBR/NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: wear and weather SBR/NR, black, corrugated.

Temperature range: - 40 °C to + 90 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/m$.

Resistance ●●●○○● **R**

Flexibility ●●●●●● **F**

Weight ●●●●●● **W**



ID mm	OD mm		Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
38.0	44.5	± 1.0	0.9	45	0.62	12	
51.0	57.5	± 1.0	0.9	70	0.81	12	
63.0	70.0	± 1.0	0.9	95	0.87	12	
76.0	83.5	± 1.0	0.9	115	1.04	12	
90.0	97.5	± 1.0	0.9	125	1.22	12	
102.0	110.5	± 1.0	0.9	145	1.57	12	
113.0	121.5	± 1.5	0.9	155	1.73	12	
127.0	135.5	± 1.5	0.7	170	1.93	12	
152.0	160.5	± 1.5	0.4	195	2.30	12	
178.0	186.5	± 1.5	0.25	220	2.68	12	
204.0	212.5	± 1.5	0.15	245	3.06	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLVAC Extractor HD

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Universal material handling hose for suction of shavings, sand, dust, and powder, etc. Applications include sawmills, chip board, and wood veneer plants, fiberboard plants, etc.

Advantages

- Light and flexible design with steel helix.
- Good bending radius.
- Especially useful when low weight and easy handling in combination with good abrasion resistance are valued.

Technical description

Inner tube: wear resistant SBR/NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: wear and weather resistant SBR/NR, black, corrugated.

Temperature range: - 40 °C to + 90 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/m$.

Complementary information

OD measured on top of corrugation.

Resistance ●●●●●○ **R**

Flexibility ●●●●●○ **F**

Weight ●●●●●○ **W**



ID mm	OD mm		Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
38.0	47	± 1.5	0.9	50	0.73	12	
51.0	60	± 1.5	0.9	75	0.96	12	
63.0	72	± 1.5	0.9	100	1.13	12	
76.0	85	± 1.5	0.9	120	1.37	12	
102.0	111	± 1.5	0.9	150	1.85	12	
127.0	136	± 1.5	0.7	175	2.33	12	
152.0	161	± 1.5	0.4	200	2.77	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLVAC Handler LD

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

For industrial vacuum cleaners and cleaning systems. Useful for suction of drainage sludge, sand, etc.

Advantages

- Light and flexible design.
- Very good wear resistance.
- Especially useful when low weight and easy handling are valued.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile cords with embedded steel helix.

Cover: wear and weather resistant SBR, black, corrugated.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: non conductive. The helix can be connected to couplings in both ends.

Resistance ●●●●●○ **R**

Flexibility ●●●●●○ **F**

Weight ●●●●●○ **W**

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
51.0	61.0	± 1.5	5	15	0.9	85	1.00	20 - 40	
60.0	70.0	± 1.5	5	15	0.9	105	1.15	20 - 40	
63.0	73.0	± 1.5	5	15	0.9	110	1.22	20 - 40	
76.0	86.5	± 1.5	5	15	0.9	135	1.50	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLVAC Handler MD

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Medium duty working hose on vacuum cleaning trucks for use at the work site.

Advantages

- Light and flexible with good wear resistance.
- Specially designed for light materials transport and very easy handling.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile, woven fabric with embedded steel helix.

Cover: wear and weather resistant SBR, black, corrugated.

Temperature range: - 30 °C to + 90 °C.

Electrical properties: non conductive tube.

Resistance ●●●○○○ **R**

Flexibility ●●●○○○ **F**

Weight ●●●○○○ **W**

ID mm	OD mm		Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
51.0	63.0	± 1.5	0.9	300	1.13	12	
76.0	89.0	± 1.5	0.9	350	1.81	12	
102.0	115.0	± 1.5	0.9	400	2.65	12	
127.0	141.0	± 1.5	0.9	500	3.46	12	
152.0	166.0	± 1.5	0.9	600	4.23	12	
178.0	191.0	± 1.5	0.9	700	4.95	12	
204.0	219.0	± 1.5	0.9	800	6.45	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLVAC Handler HD

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Heavy duty working hose on vacuum cleaning trucks for use at the work site.

Advantages

- Light and flexible with good wear resistance.
- TRELLVAC Handler HD is a working hose for heavy materials when wear resistance is of highest priority.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile, woven fabric with embedded steel helix.

Cover: wear and weather resistant SBR/NR, black, corrugated.

Temperature range: - 30 °C to + 90 °C.

Electrical properties: non conductive. The helix can be connected to couplings in both ends, Built-in conductive wire.

Complementary information

OD measured on top of corrugation.

Resistance ●●●●●○ **R**

Flexibility ●●●○○○ **F**

Weight ●●●○○○ **W**

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
102.0	118	± 1.6	5	15	0.9	400	3.1	20 - 40	
127.0	143	± 1.6	5	15	0.9	500	3.8	20 - 40	
152.0	168	± 2.0	5	15	0.9	600	4.55	20	
204.0	225	± 2.0	1.5	4.5	0.9	800	8.2	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

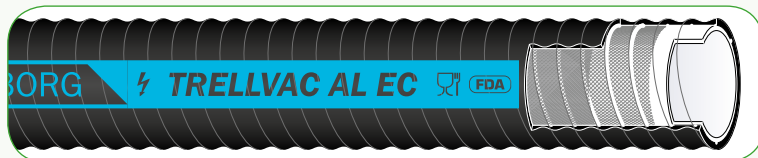
Branding:



TRELLVAC AL EC

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Extraction and transport hose for bulk abrasive products for the food industry (sugar, grains, flour, milk powder, cattle feed, etc.) and chemicals (PVC, dye stuffs, etc.).

Advantages

- Light and flexible.
- Can be used in ATEX areas: 0, 1, 2 and 20, 21, 22.
- Excellent wear resistance.
- Conductive tube and cover considerably extend service life especially for transfer at high speeds.

Technical description

Inner tube: food grade quality NBR, wear resistant, white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: wear and weather resistant NBR/PVC, black, corrugated.

Temperature range: - 10 °C to + 80 °C.

Electrical properties: conductive tube and cover, $R < 10^8 \Omega/m$, helix must be connected with couplings.

Standard/Approval: EU regulation: n° 1935/2004.

German legislation: BfR recommendation XXI cat. 4.

FDA regulation 21 CFR 177.2600.

French legislation.

Complementary information

This hose has been checked and approved by INERIS (french notified body) for use in any ATEX areas.



Resistance



Flexibility



Weight



ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
51	66	± 1.5	5	15	0.9	280	1.75	20	
76	91	± 1.5	5	15	0.9	320	2.48	20	
89	104	± 1.5	5	15	0.9	360	2.92	20	
102	117	± 1.5	5	15	0.9	400	3.31	20	
110	125	± 1.5	5	15	0.9	550	3.56	20	
125	140	± 2.0	5	15	0.9	750	3.98	10	
150	166	± 2.0	5	15	0.9	900	5.39	10	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week/year

TRELLVAC Transporter HD

CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Transport hose for vacuum cleaning trucksand in stationary systems in straight or bend positions in all types of industries.

Extraction and transport of abrasive materials such as sand, gravel, stone, sludge and powder.

Advantages

- Fully rot resistant reinforcement.
- Smooth cover.
- Flexible and very high abrasion resistance.
- Can be used for vacuum and discharge.

Technical description

Inner tube: wear resistant NR/SBR, black, smooth.

Reinforcement: synthetic textile cords with embedded steel helix.

Cover: wear and weather resistant SBR, black, fabric impression.

Temperature range: - 40 °C to + 90 °C.

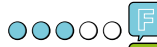
Electrical properties: conductive tube and cover, $R < 10^6 \Omega/m$, and built-in conductive wire.



Resistance



Flexibility



Weight



ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
51.0	64.0	± 1.0	5	15	0.9	210	1.7	20 - 40	
63.0	75.5	± 1.0	5	15	0.9	250	2.0	20 - 40	
76.0	90.0	± 1.5	5	15	0.9	300	2.7	20 - 40	
90.0	104.0	± 1.5	5	15	0.9	350	3.2	20 - 40	
102.0	117.0	± 1.5	5	15	0.9	400	3.6	20 - 40	
110.0	124.0	± 2.0	5	15	0.9	430	3.9	20 - 40	
115.0	131.0	± 2.0	5	15	0.9	450	4.3	20 - 40	
127.0	143.0	± 2.0	3	10	0.9	510	5.0	20 - 40	
140.0	156.0	± 2.0	3	10	0.9	580	6.2	20 - 40	
152.0	168.0	± 2.0	3	10	0.9	640	5.7	20 - 40	
165.0	182.0	± 2.0	3	10	0.9	700	7.2	10	
204.0	222.0	± 2.0	3	10	0.9	820	10.0	10	

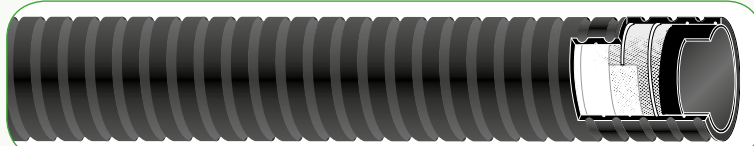
Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



CONSTRUCTION AND ENVIRONMENT

Evacuation and material handling hoses



Applications

Applications
Industrial vacuum cleaning equipment for recovery of industrial waste (crushed minerals, sand, building site rubble, dust, shavings, etc.). For fixed installations (centralized cleaning systems) or mobile installations (vacuum tankers).

Pneumatic suction or discharge of abrasive powder or granulated products (grains, cereals, cattle feed granules, etc.).

Advantages

- Robust and easy to handle.
- Excellent bending radius.
- Can be manufactured with cuffed ends.
- Good cover resistance to abrasion.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant NR, black, corrugated.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/\text{m}$.



Resistance ○○○○R

Flexibility  

Weight

ID		Wall thickness		OD		Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm		mm		mm		bar	bar	bar	mm	kg/m	m	
50.0	± 1.5	8.0	± 1.0	66.0	± 2.00	1.5	4.5	0.8	100	1.91	10 - 20	
60.0	± 1.5	8.0	± 1.0	76.0	± 2.00	1.5	4.5	0.8	120	2.46	10 - 20	
70.0	± 1.5	8.0	± 1.0	86.0	± 2.00	1.5	4.5	0.8	140	2.81	10 - 20	
75.0	± 1.5	8.0	± 1.0	91.0	± 2.00	1.5	4.5	0.8	150	3.02	10 - 20	
80.0	± 1.5	8.0	± 1.0	96.0	± 2.00	1.5	4.5	0.8	160	3.16	10 - 20	
90.0	± 1.5	8.0	± 1.0	106.0	± 2.00	1.5	4.5	0.8	180	3.46	10 - 20	
100.0	± 1.5	8.0	± 1.0	116.0	± 2.00	1.5	4.5	0.8	200	3.80	10 - 20	
110.0	± 1.5	8.0	± 1.0	126.0	± 2.00	1.5	4.5	0.8	220	4.15	10 - 20	
125.0	± 1.5	9.0	± 1.0	143.0	± 2.00	1.5	4.5	0.8	250	5.28	10 - 20	
150.0	± 1.5	8.5	± 1.0	167.0	± 2.00	1.5	4.5	0.8	300	6.26	10 - 20	
200.0	± 1.5	13.5	± 1.5	226.0	± 2.05	1.5	4.5	0.8	400	8.92	10	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

SUPERVRAC S

CONSTRUCTION AND ENVIRONMENT

Bulk tank truck discharge



Applications

Pneumatic transport of bulk abrasive products.
Discharge from road and rail tankers and delivery to storage bins (cement, sand, limestone, coal, etc.).

Advantages

- Light weight, flexible hose that coils flat.
- Excellent resistance to abrasion.
- Static conductive tube.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant NR/BR, black.

Temperature range: - 40 °C to + 70 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/m$.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
89.0	5.5	± 1.25	100.0	± 2.00	5	15	1.87	30	
110.0	6.5	± 1.25	123.0	± 2.00	5	15	5.0	30	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



SUPERVRAC

CONSTRUCTION AND ENVIRONMENT

Bulk tank truck discharge



Applications

Pneumatic transport of bulk abrasive products.
Discharge from road and rail tankers and delivery to storage bins (cement, sand, limestone, coal, etc.).

Advantages

- Light weight, flexible hose that coils flat.
- Excellent resistance to abrasion.
- Static conductive tube.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant NR, black, fabric impression.

Temperature range: - 30 °C to + 90 °C.

Electrical properties: conductive tube and cover, $R < 10^6 \Omega/m$.



ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
75.0	6.75	± 1.25	88.5	± 2.00	7	21	1.83	20 - 40	
75.0	9.00	± 1.00	93.0	± 1.5	7	21	2.75	40	
85.0	6.00	± 1.00	97.0	± 1.5	7	21	2.03	20 - 40	
89.0	6.25	± 1.25	101.5	± 2.00	7	21	2.07	20 - 40	
100.0	6.00	± 1.00	112.0	± 1.5	7	21	2.40	20 - 40	
100.0	9.00	± 1.00	118.0	± 1.5	7	21	3.58	20 - 40	
110.0	6.50	± 1.25	123.0	± 2.00	7	21	2.71	20 - 40	
127.0	8.50	± 1.25	144.0	± 2.00	7	21	4.20	20 - 40	
152.0	8.50	± 1.25	169.0	± 2.00	7	21	5.00	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



SUPERVRAC TAN

CONSTRUCTION AND ENVIRONMENT

Bulk tank truck discharge



Applications

Pneumatic transport of bulk abrasive products.

Discharge from road and rail tankers, and delivery to storage bins: cement, sand, lime and also cereals, fertilizers, cattle feed and chemicals (PVC, dye stuffs, granulates, etc.).

Advantages

- Light weight, flexible hose that coils flat.
- Excellent resistance to abrasion.

Technical description

Inner tube: heavy duty abrasion resistant NR, tan, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant NR, black, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: non conductive tube with built-in wire.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
75.0	6.0	± 1.25	87.0	± 1.5	7	21	1.72	20 - 40	
85.0	6.0	± 1.25	97.0	± 1.5	7	21	1.81	20 - 40	
89.0	6.0	± 1.25	101.0	± 1.5	7	21	1.98	20 - 40	
100.0	6.0	± 1.25	112.0	± 1.5	7	21	2.24	20 - 40	
110.0	6.5	± 1.25	123.0	± 1.5	7	21	2.50	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

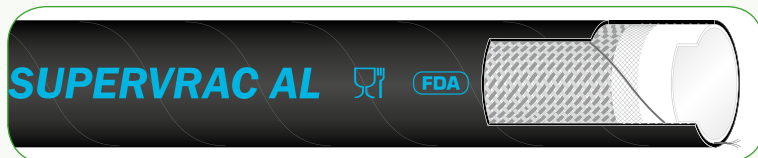
Branding:



SUPERVRAC AL

CONSTRUCTION AND ENVIRONMENT

Bulk tank truck discharge



Applications

Pneumatic transport of bulk abrasive products for the food industry.

Discharge from road and rail tankers, and delivery to storage bins: foodstuffs and chemicals (fertilizers, granulates, PVC, dye stuffs, etc.).

Advantages

- Light weight, flexible hose that coils flat.
- Excellent resistance to abrasion.

Technical description

Inner tube: foodgrade, wear resistant NR, white, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant NR, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Electrical properties: non conductive and built-in conductive wire.

Standard/Approval:

FDA regulation 21 CFR 177.2600.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
89.0	6.00	± 1.00	101.0	± 1.5	7	21	2.07	20 - 40	
100.0	9.00	± 1.25	118.0	± 1.5	7	21	3.60	40	
110.0	6.50	± 1.25	123.0	± 1.5	7	21	2.63	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



SUPERVRAC AL EC

CONSTRUCTION AND ENVIRONMENT

Bulk tank truck discharge



Applications

Pneumatic transport of bulk abrasive products for the food industry. Discharge from road and rail tankers, and delivery to storage bins: foodstuffs (sugar, flour, milk powder, cattle feed, etc.) and chemicals (fertilizers, granulates, PVC, dye stuffs, etc.).

Advantages

- Light weight, flexible hose that coils flat.
- Excellent resistance to abrasion.
- Conductive tube and cover considerably extend service life especially for transfer at high speeds.
- Thanks to the electrical conductivity level of tube, cover and in between, can be used in any ATEX areas.

Technical description

Inner tube: food grade quality NBR, wear resistant, white, smooth.

Reinforcement: synthetic textile.

Cover: abrasion and weather resistant NBR/PVC, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Electrical properties:

Conductive tube and cover, $R < 10^8 \Omega/m$.

Transversal conductivity ensured through rubber layers.

Built-in wire for a safe conductivity between couplings.

Standard/Approval:

EU regulation n° 1935/2004.

German legislation: BfR recommendation XXI cat. 4.

FDA regulation 21 CFR 177.2600.

French legislation.

Complementary information

This hose has been checked and approved by INERIS (french notified body) for use in any ATEX areas.



ID	Wall thickness		OD		Working pressure	Bursting pressure	Weight	Length	Notes
mm	mm		mm		bar	bar	kg/m	m	
75.0	9	± 1.25	93.0	± 1.5	7	21	2.77	40	
89.0	6	± 1.00	101.0	± 1.5	7	21	2.07	20 - 40	
100.0	9	± 1.25	118.0	± 1.5	7	21	3.58	40	
110.0	6	± 1.25	122.0	± 1.5	7	21	2.53	20 - 40	
125.0	8.5	± 1.25	142.0	± 2.0	7	21	3.90	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

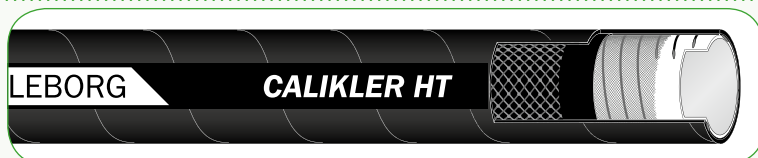


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CALIKLER HT

CONSTRUCTION AND ENVIRONMENT

Air line



Applications

Air line from compressor/booster on all types of tanker lorries for bulk transport of powdered products.

Advantages

- Extremely flexible with very low bending radius.
- Suitable for all types of road tanker compressors/boosters.
- Can be supplied fitted with swaged couplings, conforming with transported materials specifications.

Technical description

Inner tube: heat resistant EPDM, white, smooth.

Reinforcement: high temperature resistant textile with embedded steel helix.

Cover: weather resistant EPDM, black, fabric impression.

Temperature range: - 30 °C to + 180 °C (peaks at + 240 °C).

ID	Wall thickness		OD		Working pressure	Bursting pressure	Max. vacuum	Bending radius	Weight	Length	Notes
mm	mm		mm		bar	bar	bar	mm	kg/m	m	
50.0	7.0	± 1	64.0	± 1.5	3	18	0.8	125	1.81	20 - 40	
55.0	6.5	± 1	68.0	± 1.5	3	18	0.8	140	1.84	20 - 40	
60.0	6.5	± 1	73.0	± 1.5	3	18	0.8	150	1.98	20 - 40	
70.0	7.0	± 1	84.0	± 1.5	3	18	0.8	210	2.63	20 - 40	
75.0	7.5	± 1	90.0	± 1.5	3	18	0.8	225	2.96	20 - 40	
89.0	7.0	± 1	103.0	± 1.5	3	18	0.8	310	3.26	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



SABLEX

CONSTRUCTION AND ENVIRONMENT

Blasting and guniting



Applications

For cleaning and shot blasting castings, metal, stone, and concrete surfaces.

Advantages

- Small tolerances, therefore easy to couple.
- Longitudinally stable i.e. the length will not alter under pressure (unstable hoses result in the operator losing control when pressure is applied).
- Light weight and flexible for easy handling.
- Conductive inner tube compound gives increased safety for the operator, since there is no risk of wire breakage in use.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather and abrasion resistant SBR, black, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube, $R < 2 \cdot 10^6 \Omega/m$.

Special properties: abrasion resistance of tube < 70 mm³ according to ISO 4649.

ID	Wall thickness		OD		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm	mm		mm		bar	bar	mm	kg/m	m	
13.0	7.0	± 0.5	27.0	± 1.0	12	40	65	0.58	40	
16.0	7.0	± 0.5	30.0	± 1.0	12	40	80	0.68	20 - 40	
19.0	7.5	± 0.5	34.0	± 1.0	12	40	100	0.78	20 - 40	
25.0	7.0	± 0.5	39.0	± 1.0	12	40	125	0.86	20 - 40	
32.0	8.0	± 0.5	48.0	± 1.0	12	40	160	1.30	20 - 40	
32.0	11.0	± 0.5	54.0	± 1.0	12	40	140	1.85	20 - 40	
35.0	9.0	± 0.5	53.0	± 1.0	12	40	190	1.57	40	
38.0	10.0	± 0.5	58.0	± 1.0	12	40	170	1.89	20 - 40	
40.0	10.0	± 0.5	60.0	± 1.0	12	40	180	1.97	20 - 40	
42.0	9.0	± 0.5	60.0	± 1.0	12	40	240	1.81	20 - 40	
50.0	10.0	± 0.75	70.0	± 1.5	12	40	250	2.36	40	
63.0	10.0	± 0.75	83.0	± 1.5	12	40	325	2.90	40	
65.0	10.0	± 0.75	85.0	± 1.5	12	40	320	2.95	20 - 40	
76.0	10.0	± 0.75	96.0	± 1.5	12	40	400	3.42	40	
102.0	10.0	± 0.75	122.0	± 1.5	12	40	550	4.40	40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



SILEX

CONSTRUCTION AND ENVIRONMENT

Blasting and guniting



Applications

Pneumatic discharge of powder (lime, cement, fertilizers, etc.), grain, sand, silica, minerals, or sized products (fertilizers, PVC granulates, cereals, etc.).
Sand and shot blasting of buildings and metal parts.

Advantages

- Highly resistant to abrasion due to friction and atmospheric conditions.
- Electrical conductivity is assured by the tube compound together with a metal braid.
- Excellent resistance to bending and twisting.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather resistant NR, grey, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube and built-in conductive wire.

ID	Wall thickness	OD	Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm	mm	mm	bar	bar	mm	kg/m	m	
20.0	-0/+1	10.50	41.0 ±1	10	30	120	1.15	20 - 40
25.0	-0/+1	10.50	46.0 ±1	10	30	150	1.33	20 - 40
30.0	-0/+1	10.50	51.0 ±1	10	30	180	1.45	20 - 40
35.0	-0/+1	10.50	56.0 ±1	10	30	210	1.75	20 - 40
40.0	-0/+1	10.50	61.0 ±1	10	30	240	1.85	20 - 40
50.0	-0/+1	11.75	73.5 ±1	10	30	400	2.60	20 - 40
60.0	-0/+1.5	12.50	85.0 ±1.5	10	30	600	3.15	20
65.0	-0/+1.5	13.25	91.5 ±1.5	10	30	650	3.50	20
70.0	-0/+1.5	14.25	98.5 ±1.5	10	30	700	3.96	20
80.0	-0/+2	15.50	111.0 ±1.5	10	30	800	4.74	10
90.0	-0/+2	15.50	121.0 ±1.5	10	30	1070	5.26	10
100.0	-0/+2	15.50	131.0 ±1.5	10	30	1200	5.75	10
110.0	-0/+2	15.00	140.0 ±1.5	10	30	1320	7.24	10
125.0	-0/+2	15.00	155.0 ±1.5	10	30	1500	8.08	10

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



TRELLBLAST S

CONSTRUCTION AND ENVIRONMENT

Blasting and guniting



Applications

For cleaning and shot blasting castings, metal, stone, and concrete surfaces.

Advantages

- Light weight and flexible for easy handling.
- Conductive inner tube compound gives increased safety for the operator, since there is no risk of wire breakage in use.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather and abrasion resistant SBR, black, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube, $R < 2.10^6 \Omega/m$.

Special properties: abrasion resistance of tube $< 70 \text{ mm}^3$ according to ISO 4649.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
13.0	7.0	± 0.5	27.0	± 1	10	30	65	0.56	40	
16.0	7.0	± 0.5	30.0	± 1	10	30	80	0.68	40	
19.0	7.5	± 0.5	34.0	± 1	10	30	100	0.74	40	
25.0	7.5	± 0.5	39.0	± 1	10	30	125	0.86	40	
32.0	8.0	± 0.5	48.0	± 1	10	30	160	1.30	40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



PROJECTOR 40

CONSTRUCTION AND ENVIRONMENT

Spraying



Applications

For spraying of mortar, and mixed concrete as well as dry products. Used as a service hose between pump and nozzle in transporting plaster, grout, and ready mixed concrete.

Advantages

- Light weight, flexible and is easy to handle.
- Abrasion resistant tube compound.
- Conductive inner tube compound gives increased safety for the operator.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather and abrasion resistant SBR, black, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube, $R < 2.10^6 \Omega/m$.

Special properties: abrasion resistance of tube $< 70 \text{ mm}^3$ according to ISO 4649.

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Notes
25.0	7.0	± 0.50	39.0	± 1.0	10	40	125	0.86	20 - 40	
25.0	9.5	± 0.50	44.0	± 1.0	10	40	120	1.29	20 - 40	
30.0	7.0	± 0.50	44.0	± 1.0	10	40	150	0.91	20 - 40	
32.0	10.0	± 0.50	52.0	± 1.0	10	40	150	1.65	20 - 40	
35.0	7.0	± 0.50	49.0	± 1.0	10	40	220	1.07	20 - 40	
38.0	10.0	± 0.50	58.0	± 1.0	10	40	170	1.88	40	
40.0	10.0	± 0.50	60.0	± 1.0	10	40	180	1.97	20 - 40	
50.0	10.0	± 0.75	70.0	± 1.5	10	40	250	2.36	20 - 40	
60.0	10.0	± 0.75	80.0	± 1.5	10	40	190	2.64	20 - 40	
65.0	10.0	± 0.75	85.0	± 1.5	10	40	320	2.95	20 - 40	
70.0	10.0	± 0.75	90.0	± 1.5	10	40	350	3.20	20 - 40	
75.0	10.0	± 0.75	95.0	± 1.5	10	40	400	3.34	20 - 40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

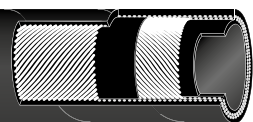


PROJECTOR 100

CONSTRUCTION AND ENVIRONMENT

Spraying

PROJECTOR 100 WP 40BAR



Applications

For spraying of wet mortar, mixed concrete, and other wet products. Used as a service hose between pump and nozzle in transporting plaster, grout, and ready mixed concrete.

Advantages

- High working pressure.
- Light weight, flexible and easy to handle.
- Abrasion resistant tube.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: weather and abrasion resistant SBR, black, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube, R < 2.10⁶ Ω/m.

Special properties: abrasion resistance of tube < 70 mm³ according to ISO 4649.

Couplings/Fittings

13.3 m lengths available on request, min. order is three pieces and by multiple of three. Other wall thickness and/or bursting pressure on request.

ID	Wall thickness		OD		Working pressure	Bursting pressure	Bending radius	Weight	Length	Notes
mm	mm		mm		bar	bar	mm	kg/m	m	
25.0	7.0	+ 0/- 1	39.0	± 1.0	40	100	100	0.87	40	
32.0	8.0	+ 0/- 1	48.0	± 1.0	40	100	150	1.24	40	
35.0	6.5	+ 0/- 1	48.0	± 1.0	40	100	180	1.06	40	
38.0	10.0	+ 0/- 1	58.0	± 1.0	40	100	180	1.84	40	
40.0	10.0	+ 0/- 1	60.0	± 1.0	40	100	200	1.92	40	
50.0	7.5	± 0.7	65.0	± 1.5	40	100	370	1.64	40	
50.0	9.0	± 0.7	68.0	± 1.5	40	100	280	2.04	40	
60.0	10.0	± 0.7	80.0	± 1.5	40	100	340	2.72	40	
65.0	10.0	± 0.7	85.0	± 1.5	40	100	380	2.93	40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

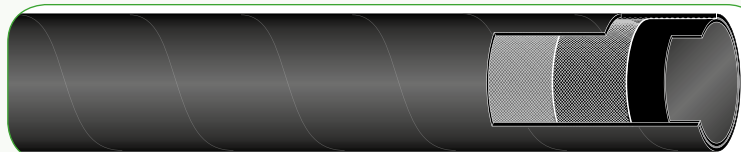
Branding:



TRELLSLUMP

CONSTRUCTION AND ENVIRONMENT

Concrete pump and placement



Applications

Lay flat hose for concrete skip. For discharge to concrete form.

Advantages

- Coil flat for easy storage and handling.
- Flexible, lightweight hose.
- Excellent resistance to wear, abrasion and weather.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, fabric impression.

Temperature range: - 30 °C to + 90 °C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Notes
152.0	2.7	157.4	3	10	1.6	40	
204.0	4.5	213.0	3	10	3.8	40	
254.0	4.5	263.0	3	10	4.7	40	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

No branding.

PULSOR 170

CONSTRUCTION AND ENVIRONMENT

Concrete pump and placement



Applications

High pressure concrete pump hose for boom transfer, placement.
Pneumatic discharge of cement and minerals.
Pumping of slurry and drilling mud (not oil-laden).
Grouting of mortar, cement, or concrete.

Advantages

- Abrasion resistant hose to give extended service life.
- Flexible, easy to handle.
- Robust construction to withstand heavy compressive loads and guarantee maximum safety.
- Construction eliminates kinking and allows easy cleaning by reverse pumping.
- Safety factor 2:1.

Technical description

Inner tube: wear resistant NR/SBR, black.

Reinforcement: two steel cords plies for ID 50 mm, four steel cords plies for other diameters.

Cover: weather and abrasion resistant NR/SBR, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Couplings/Fittings

Swaged couplings with dimensions according to VICTAULIC or concrete pump manufacturers (PUTZMEISTER, SCHWING, etc.).

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50.0	8.0	± 0.75	66.0	± 1.5	85	170	0.8	200	2.14	20	
65.0	10.0	± 1	85.0	± 2	85	170	0.8	200	3.41	20	
76.2	12.0	± 1	100.0	± 2	85	170	0.8	250	4.80	20	
85.0	12.0	± 1	109.0	± 2	85	170	0.8	270	5.38	20	
101.6	13.0	± 1	128.0	± 2	85	170	0.8	280	6.85	20	
125.0	14.0	± 1	153.0	± 2	85	170	0.8	340	9.20	20	
150.0	14.5	± 1	179.0	± 2	85	170	0.8	500	11.33	20	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - PULSOR 170 - ND mm/" - WP 85 bar/1250 PSI - Lbs/Ft - FWC - week/year - Made in France

PULSOR 200

CONSTRUCTION AND ENVIRONMENT

Concrete pump and placement



Applications

High pressure concrete pump hose for boom transfer, placement, and for piling rigs.
Pneumatic discharge of cement and minerals.
Pumping of slurry and drilling mud (not oil-laden).
Grouting of mortar, cement, or concrete.

Advantages

- Designed for extreme operating conditions such as high pressure and abrasive products.
- Highly abrasion resistant hose to give extended service life.
- Flexible and easy to handle.
- Robust construction to withstand heavy compressive loads and guarantee maximum safety.
- Construction eliminates kinking and allows easy cleaning by reverse pumping.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: two steel cords plies for ID ≤ 65 mm and four steel cords plies for ID ≥ 76.2 mm.

Cover: weather and abrasion resistant NR, black, fabric impression.

Temperature range: - 30 °C to + 80 °C.

Couplings/Fittings

Swaged couplings with dimensions according to VICTAULIC or concrete pump manufacturers (PUTZMEISTER, SCHWING, etc.).

ID mm	Wall thickness mm		OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Notes
50.0	9.0	± 0.75	68.0	± 1.5	85	200	0.8	200	2.36	20	
65.0	10.0	± 0.75	87.0	± 1.5	85	200	0.8	250	3.88	20	
76.2	12.9	± 1.00	102.0	± 1.5	85	200	0.8	270	5.55	20	
101.6	14.2	± 1.00	130.0	± 1.5	85	200	0.8	300	8.13	20	
115.0	14.0	± 1.00	143.0	± 1.5	85	200	0.8	320	9.21	20	
125.0	16.0	± 1.00	157.0	± 1.5	85	200	0.8	360	11.33	20	
150.0	18.0	± 1.00	186.0	± 1.5	85	200	0.8	570	14.85	20	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: TRELLEBORG - PULSOR 200 - DN - WP 85 bar/1250 PSI - Weight LBS/FT FWC - week/year

PERFORMER AR10

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Hydraulic discharge of abrasive products.

Advantages

- Excellent resistance to abrasion.
- Low installation cost.
- Suppression of pressure surges.
- Reduction in pressure head loss.
- Damping of vibrations and noise.
- Outstanding dimensional stability under pressure.
- Good resistance to kinking.
- Excellent weather resistance.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: two steel cords for ID ≤ 400 mm, four steel cords for ID ≥ 450 mm.

Cover: weather resistant EPDM, black, fabric impression.

Temperature range: - 30 °C to + 70 °C (peaks at + 80 °C).

Electrical properties: conductive tube and cover.



Couplings/Fittings

Hoses fitted with END-FLEX® flanges are allowed to work with pressure and vacuum mentioned in the table.

ID mm		OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max. length m	Notes
100.0	- 0/+ 1	126.0	± 1.5	6	10	30	700	6.75	15	
125.0	- 0/+ 1	155.0	± 2	8	10	30	870	9.39	12	
150.0	- 0/+ 1	180.0	± 2	8	10	30	1050	11.06	12	
175.0	- 0/+ 1	205.0	± 2	8	10	30	1220	12.71	10	
200.0	- 0/+ 2	234.0	± 2	10	10	30	1400	16.12	12	
250.0	- 0/+ 2	283.0	± 2	10.4	10	30	1750	20.05	12	
300.0	- 0/+ 2	333.0	± 2.5	10.4	10	30	2100	23.76	12	
350.0	- 0/+ 2	390.0	± 3	12.4	10	30	2450	33.84	12	
400.0	- 0/+ 2	440.0	± 3	12.4	10	30	2800	38.33	12	
450.0	- 0/+ 2	508.0	± 3	12.4	10	30	3600	64.3	12	
500.0	- 0/+ 2	558.0	± 3	12.4	10	30	4000	70.9	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week/year

PERFORMER GL AD10H

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Hydraulic suction or discharge of abrasive materials.

Advantages

- Excellent resistance to abrasion.
- Can be supplied cut to length for on-site coupling.
- Quick and easy installation.
- Light weight and low bending radius.
- Low installation cost.
- Electrical conductivity ensured by the helix.
- Suppression of pressure surges.
- Reduction in pressure head loss.
- Damping of vibrations and noise.
- Excellent weather resistance.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube and cover (helix must be connected with couplings).

Couplings/Fittings

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure:

ID ≤ 150 mm: WP = 10 bar,

ID > 150 mm: WP = 5 bar.

Complementary information

Low stretch under 10 bar working pressure.

Lengths are stocked in 20 or 12 m, consult us for longer lengths.



ID mm	OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
25.0	53.0	± 2	5.6	10	30	0.9	125	1.97	20	
32.0	60.0	± 2	5.6	10	30	0.9	160	2.33	20	
40.0	73.0	± 2	6.5	10	30	0.9	200	3.37	20	
50.0	83.0	± 2	8.5	10	30	0.9	250	4.04	20	
65.0	98.0	± 2	8.5	10	30	0.9	325	4.99	20	
80.0	113.0	± 2	8.5	10	30	0.9	400	5.90	20	
100.0	133.0	± 2	8.5	10	30	0.9	500	7.12	20	
125.0	158.0	± 2	8.5	10	30	0.9	750	8.72	20	
150.0	183.0	± 2	8.5	10	30	0.9	1050	10.20	20	
Assembly of 2 BLOC-END® per hose length (ID 25 to 150 mm)										
200.0	234.5	± 2	8.5	10	30	0.9	1600	14.31	12	
250.0	285.5	± 2	8.5	10	30	0.9	2000	18.90	12	
Assembly of 2 BLOC-END® per hose length (ID 200 to 250 mm)										
300.0	340.5	± 2	8.5	10	30	0.9	2500	25.30	12	
350.0	391.0	± 3	8.5	10	30	0.9	3100	31.47	12	
400.0	441.0	± 3	8.5	10	30	0.9	4000	36.39	12	
Assembly of 2 BLOC-END® per hose length (ID 300 to 400 mm)										

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:

PERFORMER GL AD10H  **TRELLEBORG** **PERFORMER GL AD10H**  **TRELLEBORG**

and embossed: week/year

PERFORMER GL AD10P

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Pneumatic suction or discharge of abrasive materials.

Advantages

- Excellent resistance to abrasion.
- Hose can be supplied cut to length for on-site coupling.
- Quick and easy hose installation.
- Light weight and low bending radius.
- Low installation cost.
- Electrical continuity (mandatory for pneumatic handling) is ensured by braid and the helix.
- Suppression of pressure surges.
- Reduction in pressure head loss.
- Damping of vibrations and noise.
- Excellent weather resistance.

Technical description

Inner tube: wear resistant NR, tan, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: built-in conductive wire (helix must be connected with couplings).

Couplings/Fittings

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure:

ID ≤ 150 mm: WP = 10 bar,

ID > 150 mm: WP = 5 bar.

Complementary information

Low stretch under 10 bar working pressure.

Lengths are stocked in 20 or 12 m, consult us for longer lengths.

ID mm	OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
25.0	53.0	± 2	5.6	10	30	0.9	125	1.899	20	
32.0	60.0	± 2	5.6	10	30	0.9	160	2.248	20	
40.0	73.0	± 2	8.5	10	30	0.9	200	3.192	20	
50.0	83.0	± 2	8.5	10	30	0.9	250	3.577	20	
65.0	98.0	± 2	8.5	10	30	0.9	325	4.439	20	
80.0	113.0	± 2	8.5	10	30	0.9	400	5.242	20	
100.0	133.0	± 2	8.5	10	30	0.9	500	6.318	20	
125.0	158.0	± 2	8.5	10	30	0.9	750	7.685	20	
150.0	183.0	± 2	8.5	10	30	0.9	1050	8.976	20	
Assembly of 2 BLOC-END® per hose length (ID 25 to 150 mm)										
200.0	234.5	± 2	8.5	10	30	0.9	1600	14.462	12	
250.0	285.5	± 2	8.5	10	30	0.9	2000	16.780	12	
Assembly of 2 BLOC-END® per hose length (ID 200 to 250 mm)										
300.0	340.5	± 2	8.5	10	30	0.9	2500	23.534	12	
350.0	391.0	± 3	8.5	10	30	0.9	3100	30.234	12	
Assembly of 2 BLOC-END® per hose length (ID 300 to 350 mm)										

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week/year

PERFORMER GL AD10T

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Pneumatic or hydraulic suction or discharge of abrasive materials with high temperature.

Advantages

- Excellent resistance to abrasion at high temperature.
- Hose can be supplied cut to length for on-site coupling.
- Quick and easy installation at low cost.
- Light weight and low bending radius.
- Electrical conductivity ensured by the tube and the helix.
- Suppression of pressure surges.
- Reduction in pressure head loss.
- Damping of vibrations and noise.
- Excellent weather resistance.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: - 30 °C to + 100 °C (peaks at + 110 °C).

Electrical properties: conductive tube and cover (helix must be connected with couplings).

Couplings/Fittings

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure:

ID ≤ 150 mm: WP = 10 bar,

ID > 150 mm: WP = 5 bar.

Complementary information

Low stretch under 10 bar working pressure.

Lengths are stocked in 20 or 12 m, consult us for longer lengths.



ID mm	OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
25.0	53.0	± 2	5.6	10	30	0.9	125	2.37	20	
32.0	60.0	± 2	5.6	10	30	0.9	160	2.79	20	
40.0	73.0	± 2	8.5	10	30	0.9	200	4.07	20	
50.0	83.0	± 2	8.5	10	30	0.9	250	4.39	20	
65.0	98.0	± 2	8.5	10	30	0.9	325	4.91	20	
80.0	113.0	± 2	8.5	10	30	0.9	400	5.58	20	
100.0	133.0	± 2	8.5	10	30	0.9	500	7.10	20	
125.0	158.0	± 2	8.5	10	30	0.9	750	9.00	20	
150.0	183.0	± 2	8.5	10	30	0.9	1050	10.18	20	
Assembly of 2 BLOC-END® per hose length (ID 25 to 150 mm)										
200.0	234.5	± 2	8.5	10	30	0.9	1600	14.28	12	
250.0	285.5	± 2	8.5	10	30	0.9	2000	17.50	12	
Assembly of 2 BLOC-END® per hose length (ID 200 to 250 mm)										
300.0	340.5	± 2	8.5	10	30	0.9	2500	25.16	12	
Assembly of 2 BLOC-END® per hose length (ID 300 mm)										

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week/year

PERFORMER AD10H

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Hydraulic suction or discharge of abrasive materials.

Advantages

- Excellent resistance to abrasion.
- Low installation costs.
- Suppression of pressure surges.
- Reduction in pressure head loss.
- Damping of vibrations and noise.
- Many types of fittings possible.
- Excellent weather resistance.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: conductive tube and cover.



Couplings/Fittings

Hoses can be fitted with:

- 2 END-FLEX®,
- 1 cuff + 1 END-FLEX® flange,
- 2 enlarged or smooth cuffs.

Hoses fitted with END-FLEX® flanges are allowed to work with pressure and vacuum mentioned in the table.

Complementary information

Low stretch under 10 bar working pressure.

Hoses can be manufactured with straight or enlarged ends.

ID mm	OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
25.0	53.0	± 2	5.6	10	30	0.9	125	2.13	20	
32.0	60.0	± 2	5.6	10	30	0.9	160	2.56	20	
40.0	73.0	± 2	8.5	10	30	0.9	200	3.53	20	
50.0	83.0	± 2	8.5	10	30	0.9	250	4.20	20	
65.0	98.0	± 2	8.5	10	30	0.9	325	5.05	20	
75.0	108.0	± 2	8.5	10	30	0.9	375	5.65	20	
80.0	113.0	± 2	8.5	10	30	0.9	400	5.94	20	
100.0	133.0	± 2	8.5	10	30	0.9	500	7.33	20	
125.0	158.0	± 2	8.5	10	30	0.9	750	8.64	20	
150.0	183.0	± 2	8.5	10	30	0.9	1050	10.38	20	
175.0	208.0	± 2	8.5	10	30	0.9	1300	11.93	10	
200.0	234.5	± 2	8.5	10	30	0.9	1600	14.59	12	
250.0	285.5	± 2	8.5	10	30	0.9	2000	17.50	12	
300.0	340.5	± 2	8.5	10	30	0.9	2500	24.77	12	
350.0	391.0	± 3	8.5	10	30	0.9	3000	30.62	12	
400.0	441.0	± 3	8.5	10	30	0.9	4000	35.96	12	
500.0	548.0	± 3	8.5	10	30	0.9	5000	53.35	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week/year

PERFORMER AD10P

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Pneumatic suction or discharge of abrasive materials.

Advantages

- Excellent resistance to abrasion.
- Low installation cost.
- Static conductivity ensured by steel helix and wire braid.
- Suppression of pressure surges.
- Reduction in pressure head loss.
- Damping of vibrations and noise.
- Many types of fittings possible.
- Excellent weather resistance

Technical description

Inner tube: wear resistant NR, tan, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: - 30 °C to + 70 °C.

Electrical properties: built-in conductive wire (helix must be connected with couplings).

Couplings/Fittings

Hoses can be fitted with:

- 2 END-FLEX®,
- 1 cuff + 1 END-FLEX® flange,
- 2 enlarged or smooth cuffs.

Hoses fitted with END-FLEX® flanges are allowed to work with pressure and vacuum mentioned in the table.

Complementary information

Low stretch under 10 bar working pressure.

Hoses can be manufactured with straight or enlarged ends.

ID mm	OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
25.0	53.0	± 2	5.6	10	30	0.9	125	2.08	20	
32.0	60.0	± 2	5.6	10	30	0.9	160	2.50	20	
40.0	73.0	± 2	8.5	10	30	0.9	200	3.38	20	
50.0	83.0	± 2	8.5	10	30	0.9	250	4.02	20	
65.0	98.0	± 2	8.5	10	30	0.9	325	4.83	20	
75.0	108.0	± 2	8.5	10	30	0.9	375	5.41	20	
80.0	113.0	± 2	8.5	10	30	0.9	400	5.67	20	
100.0	133.0	± 2	8.5	10	30	0.9	500	7.01	20	
125.0	158.0	± 2	8.5	10	30	0.9	750	8.23	20	
150.0	183.0	± 2	8.5	10	30	0.9	1050	9.86	20	
175.0	208.0	± 2	8.5	10	30	0.9	1300	11.32	10	
200.0	234.5	± 2	8.5	10	30	0.9	1600	13.87	12	
250.0	285.5	± 2	8.5	10	30	0.9	2000	17.65	12	
300.0	340.5	± 2	8.5	10	30	0.9	2500	24.96	12	
350.0	391.0	± 3	8.5	10	30	0.9	3000	30.73	12	
400.0	441.0	± 3	8.5	10	30	0.9	4000	36.20	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

Branding:



and embossed: week/year

PERFORMER AD10T

CONSTRUCTION AND ENVIRONMENT

Abrasive materials hydraulic and pneumatic handling



Applications

Pneumatic or hydraulic suction or discharge of abrasive materials with high temperature.

Advantages

- Excellent resistance to abrasion at high temperature.
- Low installation cost.
- Static conductivity ensured by the helix and by the antistatic tube.
- Suppression of pressure surges.
- Reduction in head loss.
- Damping of vibrations and noise.
- Many types of fittings possible.
- Excellent weather resistance.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: - 30 °C to + 100 °C (peaks at + 110 °C).

Electrical properties: conductive tube and cover.

Couplings/Fittings

Hoses can be fitted with:

- 2 END-FLEX®,
- 1 cuff + 1 END-FLEX® flange,
- 2 enlarged or smooth cuffs.

Hoses fitted with END-FLEX® flanges are allowed to work with pressure and vacuum mentioned in the table.

Complementary information

Low stretch under 10 bar working pressure.

Hoses can be manufactured with straight or enlarged ends.



ID mm	OD mm		Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Notes
25.0	53.0	± 2	5.6	10	30	0.9	125	2.21	20	
32.0	60.0	± 2	5.6	10	30	0.9	160	2.65	20	
40.0	73.0	± 2	8.5	10	30	0.9	200	3.19	20	
50.0	83.0	± 2	8.5	10	30	0.9	250	4.24	20	
65.0	98.0	± 2	8.5	10	30	0.9	325	5.15	20	
75.0	108.0	± 2	8.5	10	30	0.9	375	5.78	20	
80.0	113.0	± 2	8.5	10	30	0.9	400	6.06	20	
100.0	133.0	± 2	8.5	10	30	0.9	500	7.32	20	
125.0	158.0	± 2	8.5	10	30	0.9	750	8.66	20	
150.0	183.0	± 2	8.5	10	30	0.9	1050	10.18	20	
175.0	208.0	± 2	8.5	10	30	0.9	1300	11.70	10	
200.0	234.5	± 2	8.5	10	30	0.9	1600	14.30	12	
250.0	285.5	± 2	8.5	10	30	0.9	2000	17.50	12	
300.0	340.5	± 2	8.5	10	30	0.9	2500	24.82	12	
350.0	391.0	± 3	8.5	10	30	0.9	3000	29.44	12	
400.0	441.0	± 3	8.5	10	30	0.9	3400	34.51	12	

Length in green = stock item. Length in black = non stock (consult us for minimum quantity of order).

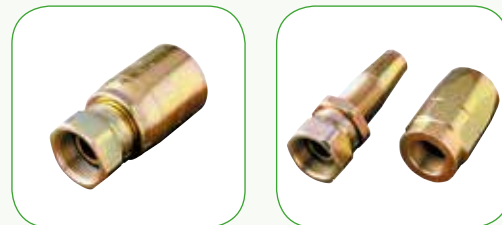
Branding:



and embossed: week/year

Coupling for sewer cleaning hoses

CONSTRUCTION AND ENVIRONMENT



Applications

Sewer cleaning hoses require a high level of safety regarding couplings.

There are two types:

- One piece press coupling = standard.
- Reusable repair coupling = spare part coupling for field repair where press equipment is not available.

Press couplings are preferable because they are safe and less disposed to getting stuck in the sewer line.

Technical description

Material:

Free cutting steel, steel plated finish:

- WP = 250 bar, for press-type.

- WP = 200 bar, for reusable type.

Complementary information

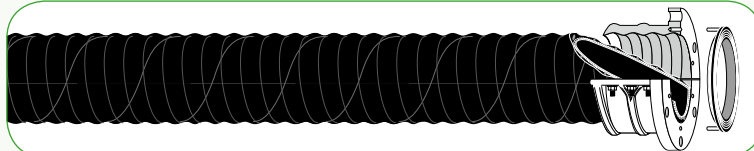
This kind of press-type coupling for Canalkler hose requires following of swaging procedures issued by Trelleborg.

	Article number	Name	Thread inch	ID hose mm	Notes
One piece Press coupling. BSP female.	0117183	321-08-08	1/2"	13	
	0117309	321-12-12	3/4"	19	
	0117208	321-16-16	1"	25	
	0117704	321-20-16	1"1/4	25	
	0117311	321-20-20	1"1/4	32	
	0118219	321-24-24	1"1/2	38	
One piece Press coupling. BSP male.	0117184	321-08-08	1/2"	13	
	0117308	321-12-12	3/4"	19	
	0117207	321-16-16	1"	25	
	0117705	321-20-16	1"1/4	25	
	0117310	321-20-20	1"1/4	32	
	0118218	321-24-24	1"1/2	38	
Reusable coupling. Ferrule included. BSP female.	0116184	321-08-08	1/2"	13	
	0116186	321-12-12	3/4"	19	
	0117706	321-16-16	1"	25	
	0118223	321-20-16	1"1/4	25	
	0117708	321-20-20	1"1/4	32	
	0118221	321-24-24	1"1/2	38	
Reusable coupling. Ferrule included. BSP male.	0116183	321-08-08	1/2"	13	
	0116185	321-12-12	3/4"	19	
	0117707	321-16-16	1"	25	
	0118222	321-20-16	1"1/4	25	
	0117709	321-20-20	1"1/4	32	
	0118220	321-24-24	1"1/2	38	
Menders.	5016257		1/2"	13	
	5016258		3/4"	19	
	5016259		1"	25	
	5016260		1"1/4	32	
	5016261		1"1/2	38	

ID in green = stock item. ID in black = non stock (consult us).

BLOC-END® coupling for material handling hoses

CONSTRUCTION AND ENVIRONMENT



Applications

Connection of the PERFORMER GL AD10H, PERFORMER GL AD10P, PERFORMER GL AD10T.

Advantages

- Hoses can be cut to length on site or at manufacture to suit the specific installation requirements.
- Easy to cut: no special tooling is needed as the coupling face acts as a cutting guide.
- The flange can be adjusted easily for fitting and will not deform in service.
- Quick and easy to replace.
- The couplings can be removed from a damaged hose and reused on replacement.
- A lightweight connection system.

Technical description

Standardised drilling.
ID ≤ 150 mm: WP 10 bar.
ID > 150 mm: WP 5 bar.

Complementary information

Coupling protection with Teflon On request.

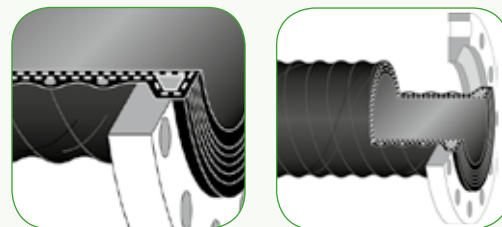
	Complete BLOC-END® coupling. With half shells, gasket and bolts/nuts/washers. PN 10 PN 20 (ASA 150)			Spare part-kit. 2 half shells without gaskets and bolts. PN 10 PN 20 (ASA 150)			Spare part-kit. 2 gaskets. PN 10 and PN 20 (ASA 150)			Bolt, including nut and washer.	
ID hose mm	Article number	Notes	Article number	Notes	Article number	Notes	Article number	Notes	Number of bolts	Article number per piece	Notes
40	0117042		Consult		0116890		Consult		0116966	4	0111322
50	0117043		0117155		0116891		0116892		0116967	4	0111322
65	0117044		Consult		0116893		0116894		0116968	4	0111322
80	0117045		Consult		0116895		0116896		0116969	4	0111322
100	0117046		0117158		0116897		0116898		0116970	4	0111322
125	0117047		0117159		0116899		0116900		0116971	4	0111322
150	0117048		0117048		0116901		0116901		0116972	4	0111322
Assembly of 2 BLOC-END® per hose length (ID 25 to 150 mm)											
200	0117049		0117160		0116902		0116903		0116973	6	0111322
250	0118093		Consult		0118089		0118090		0118087	6	0111322
Assembly of 2 BLOC-END® per hose length (ID 200 to 250 mm)											
300	0118095		Consult		0118091		Consult		0118088	6	0111322
350	5101097		Consult		5100847		Consult		5100848	6	5102957
400	5102956		Consult		Consult		Consult		Consult	6	5102957
Assembly of 2 BLOC-END® per hose length (ID 300 to 400 mm)											

ID in green = stock. ID in black, minimum of order = 2 pieces.

END-FLEX® flanges

for material handling hoses

CONSTRUCTION AND ENVIRONMENT



Applications

Connection of PERFORMER AD10H, PERFORMER AD10P, PERFORMER AD10T, PERFORMER AR10, PERFORMER CR-EPDM, PERFORMER CD-EPDM.

Advantages

- A leakproof connection with no need for a separate gasket.
- Geometrical continuity of the fluidway ensures full flow without turbulence, localised head loss or premature tube wear.
- The swiveling flange does not come into contact with the material flow.
- Weight saving as END-FLEX® flange systems are lighter than conventional couplings.
- The swiveling flange will accommodate any misalignment of the holes, facilitating fitting and hose rotation.
- END-FLEX® coupling does not reduce the working pressure of the hose.

Technical description

This patented TRELLEBORG system enables PERFORMER hoses to be joined together or connected to flanged ancillary equipment in the pipe line circuit.

Flange assembly:

- a steel ring embedded in a rubber bead which is built, molded and vulcanised along with the hose,
- a steel swiveling flange which locates against the bead and is held in place by the steel ring,
- a rubber gasket integral with the bead, made of the same rubber as the hose tube.

Complementary information

Diameters vary according to drilling (see standardised drilling datasheet).

On request, the steel flanges can be:

- chromated galvanised, hot galvanised or resin-coated,
- made of 316L stainless steel,
- built-in two parts,
- with other drillings.

Hose nominal diameter mm	PN 10			PN 16			PN 20 (ASA 150)		
	Drilling ISO tools	Flange OD mm	Flange thickness mm	Drilling ISO tools	Flange OD mm	Flange thickness mm	Drilling ISO tools	Flange OD mm	Flange thickness mm
25	x	115	16	x	115	16	x		
32	x	140	16	x	140	16	x		
40	x	150	16	x	150	16	x		
50	x	165	18	x	165	18	x	152	19
65	x	185	20	x	185	20	x	178	22
75 *	x	200	22	x	200	22	x		
80	x	200	22	x	200	22	x	190	24
100	x	220	22	x	220	22	x	229	24
125	x	250	24	x	250	24	x	254	24
150	x	285	24	x	285	24	x	279	26
175 *	x	315	26	x	315	26	x		
200	x	340	24	x	340	26	x	343	29
225 *	x	370	26	x			x		
250	x	395	26	x	405	32	x	406	30
300	x	445	26	x	460	32	x	483	32
350	x	505	28	x	520	36	x	533	35
400	x	565	32	x	580	38	x	597	36
500	x	670	38						

* Not mentioned in standardised serie covered by ISO 7005.

END-FLEX® flanges are specific for each hose.

ID in green = stock item. ID in black = non stock (consult us).

BSP coupling steel for swaging

CONSTRUCTION AND ENVIRONMENT



Applications

Swaging coupling on reinforced hoses (steam or jetting hoses) after skiving of cover.

Technical description

The swaging of these couplings must be in accordance with Trelleborg swaging procedures.

Conical BSP male coupling or BSP female flat face coupling: consult us.

	Article number	Thread inch	ID hose mm	Max. diameter on reinforcement mm	Notes
BSP female coupling, 60° cone, steel.	5005045	1/2"	13		
	5005046	3/4"	19		
	5005047	1"	25		
	5005048	1"1/4	32		
BSP male coupling, 60° cone, steel.	5005049	1/2"	13		
	5005050	3/4"	19		
	5005051	1"	25		
	5005052	1"1/4	32		
Steel ferrule.	5005053		13	20.2	
	5005054		19	28.2	
	5005055		25	34.7	
	5005056		32	41.7	

ID in green = stock item. ID in black = non stock (consult us).

Concrete hose coupling for PULSOR range

CONSTRUCTION AND ENVIRONMENT



Applications

Connection of PULSOR 170 and PULSOR 200.

Swaged couplings to fulfil the application of concrete pumps.

Advantages

- Fitting with "full flow".

Technical description

Working pressure PULSOR 170 and PULSOR 200 = 85 bar.

Complementary information

These couplings are normally swaged in the hose manufacturing.
On request:

- Separate couplings.
- Other couplings swivel flanges or male thread.
- Hardened steel for the nipple.

	ID hose mm	Type VICTAULIC	Type PUTZMEISTER	Type SCHWING	Notes
Concrete Hose coupling OEM standard.	50	3"	3"	3"	
	65	3"	3"	3"	
	75	3"	3"	3"	
	100	4"	4"		
	100		4"1/2	4"1/2	
	100			Male	
	100			Female	
	125	5"	5"		
	125		5"1/2	5"1/2	
	125			Male	
	125			Female	
	150	6"	6"	6"	
Concrete hose coupling threaded.	50	2"			
Price includes: 1 coupling + ferrule + assembly/crimping with burst pressure test according to TRELLEBORG quality plan for 1 cuff.					

ID in green = stock item. ID in black = non stock (consult us).

General Conditions of Sale

GENERAL CONDITIONS OF SALE FOR TRELLEBORG INDUSTRIE SAS

1/ INTRODUCTION

Trelleborg Industrie SAS ("the vendor") sales are subject to these General Conditions of Sale, which take precedence over all conditions of purchase except where formally and expressly agreed by the vendor to the contrary.

Any order implies ipso jure full acceptance of these Conditions of Sale. These may not be modified by provisions to the contrary which may appear on the purchaser's order forms or in its General Conditions. The fact of the vendor not exercising at a given time any of these provisions may not be interpreted as constituting renunciation of exercising any of the said conditions at a later date.

2/ ORDERS

Orders are subject to written acceptance by the vendor. No order received may be subject to modification or cancellation without the vendor's express agreement.

Such modification or cancellation must be advised in writing by recorded delivery before dispatch of the goods or the start of provision of the service.

In the event of cancellation accepted by the vendor the cancellation may result in the payment of compensation relating to the loss assessed.

Volumes ordered are considered as completed at $\pm 5\%$. They may be reduced or cancelled according to the vendor's availabilities.

3/ PRICES

Prices are excluding tax for equipment in the vendor's factory or store, plus carriage, with non-returnable packaging being invoiced. The prices invoiced are those of the Price List in force on the day of delivery. The vendor's prices are liable to change without notice.

4/ DELIVERY – TRANSFER OF RISKS

Except where stated otherwise, delivery is deemed to be made in the vendor's factories or stores.

Delivery is made either by handing over directly to the purchaser, by simple advice of availability, or by release in the vendor's premises to a forwarder or carrier chosen by the vendor or nominated by the purchaser.

Unless the subject of a prior written agreement between the parties to this contract, the transfer of risks will be made ex works in accordance with the latest version of the ICC Incoterm 2010.

The delivery times are given purely as an indication. Delays in delivery may not give rise to damages, withholding or cancellation of orders in progress.

Without prejudice to the measures to be taken vis-à-vis the carrier, any claim relating to the volume delivered, the execution, the quality, or any other reason should be advised to us by recorded delivery letter within one week of the arrival of the products. After this period, the goods shall be considered as definitively accepted.

The purchaser should similarly exercise all recourse against the carrier. Reserves should be expressed in writing on the transport document and confirmed by recorded delivery letter to the carrier within 3 days of receipt of the goods. The purchaser is to advise us by sending a copy of the above-mentioned recorded delivery letter.

It is a matter for the purchaser to supply all proof as regards the actual fact

of the alleged defects or non-compliances. It should allow the vendor all facilities to observe those defects and/or non-compliances and to provide a remedy for them.

In the event of an accepted fault in the goods delivered, the vendor's liability is strictly limited to the replacement of the defective parts without the payment of any compensation whatsoever.

The vendor is released ipso facto from any undertaking relating to delivery if the payment terms have not been observed by the purchaser, and in particular:

- » In the event of non-payment for any reason whatsoever of a single invoice or advice of charges on the scheduled date.
- » Non-payment on the scheduled date of an advance or down-payment requested.
- » In the event of late delivery by a supplier imposed by the purchaser.
- » In the event of a change in the original order terms.

» Where execution of the order required additional details or a technical agreement from the purchaser which was not received in due time.

» Or if there is a case of Force Majeure in the sense of Article 1148 of the French Civil Code.

The vendor guarantees that the products supplied by it are suitable for the purpose identified by the purchaser, but does not guarantee that such products are fit for a purpose that it is unaware of. Neither does the vendor guarantee that its products fit with other products unless those other products are also supplied by the vendor.

5/ RETURN OF GOODS

Any product return shall require the vendor's prior written agreement. Any product returned without such agreement shall not give rise to the raising of a credit note. The costs and risks of the return for examination and/or repair and re-dispatch are for the purchaser's account, except where agreed otherwise.

Any return of products for examination authorises the vendor to take material samples for research and analysis purposes.

Any return accepted by the vendor shall result in the raising of a credit note in favour of the purchaser.

6/ SETTLEMENT – TIME-SCALES

In the absence of other provisions agreed between the parties, and as set out below, the supplies are invoiced at thirty days end of month and payable net with no discount, by bank transfer.

The invoice details the date on which the payment must be made: the payments are to be made to the vendor's registered address.

Any delay in payment relative to the contract dates shall give rise ipso facto to a late payment penalty calculated by application to the sums outstanding of a rate which where French law applies may not be lower than three times the statutory interest rate, or in other cases in accordance with the applicable national law without this penalty prejudicing the enforceability of the debt.

In application of commercial law (L441-3 and L441-6 articles) and in compliance with European directive (2011/7 of 16/02/2011): 40 € fixed price for collection charges.



Trelleborg Industrie SAS - ZI La Combaude - Rue de Chantemerle - CS 10725 - 63050 Clermont-Ferrand cedex 02 - France
www.trelleborg.com/industrialhose

SAS au capital de 9 909 450 € - RCS Clermont-Ferrand B 391 933 397 - SIRET 391 933 397 00013 - APE 2219Z - TVA FR 56 391 933 397

General Conditions of Sale

The first sale after account opening is to be paid before delivery.

The vendor reserves the right to demand a prepayment amounting at least thirty percent of the total order amount.

On no account whatsoever may the payment dates be postponed, including in the event of a dispute.

Any knowledge of a significant change in the purchaser's economic or financial situation, even after partial execution of the orders, permits the vendor to obtain revision of the terms of execution and payment of those orders.

Default clause:

Non-payment of a payment due results ipso facto in all the invoices not yet due becoming due, even if they have been the subject of accepted bills of exchange.

Suspensive and termination clauses:

In the event of non-payment of a single payment due, the vendor reserves the right to suspend all non-executed orders, or even to terminate them, any partial payments received remaining acquired definitively by it.

7/ RESERVATION OF TITLE CLAUSE

The vendor retains ownership of the products sold up until payment in full of the price in principal and other charges, payment being understood to be the effective collection of the price. Any default in payment of any of the payments due may result in a claim on the goods which may be made by recorded delivery letter sent to the client.

These provisions do not form an impediment to the transfer to the purchaser, on delivery, of the risks that the product may incur or occasion. The purchaser shall also bear responsibility for the insurance covering those risks on behalf of whomsoever it may concern and should provide evidence of having taken out such insurance on any request by the vendor.

The purchaser shall make sure that identification of the products is always possible.

The products in stock are presumed to be those unpaid.

The purchaser may sell the products in the context of the normal operation of its business. The purchaser thus undertakes to advise the vendor immediately of the details of the products sold and the names and addresses of the purchasers of them to enable it where appropriate to exercise against the third party purchaser its right of a claim on the price.

Authorisation for sale is automatically withdrawn in the event of a salvage action plan, receivership or liquidation.

8/ LIABILITY

For it to be taken into consideration, any visible defect or non-compliance must be advised by recorded delivery letter within a period of 24 hours after delivery of the products. That claim must contain exact information as regards the nature and extent of the defect or non-compliance.

Similarly, the purchaser must exercise all recourse against the carrier within the time-scales provided for by statute.

The vendor will assume liability up to a maximum value corresponding to the price of the products sold in respect to which a claim is made for all direct costs that the purchaser incurs as a result of the vendor's delivery of defective products.

Under no circumstances will the vendor be held responsible for indirect damages, including but not limited to: the loss of profits, loss of clients, loss of business or other consequential damages.

Our liability may not be sought for damage of any sort resulting from abnormal use of our products. The conditions recommended by us in particular relating to storage, handling, assembly, conditions of use and maintenance must be observed by our clients who are also bound so to inform the users.

9/ INDUSTRIAL AND COMMERCIAL PROPERTY RIGHTS

Except in respect of standard products, it is the purchaser's responsibility to ensure that the chosen product design does not infringe third party intellectual property rights. In the event that there is an infringement of third party intellectual property rights both the vendor and the purchaser have the right to demand that the production of the product concerned is discontinued without either party having the right of recourse towards the other.

The purchaser acquires no right over the industrial, intellectual and commercial property elements supplied to it by the vendor, in particular through its catalogues, Price Lists, advertising documents or technical data sheets. These remain the sole property of the vendor.

The purchaser undertakes not to use them for any purpose other than those linked to its personal use or marketing of the vendor's products to the exclusion of any other purpose.

Under no circumstances may the products be sold under brand names, references or packaging or presentation other than those used by the vendor except where specifically expressly authorised by the vendor.

The production tools, moulds and art work are the property of the vendor when they are created in accordance with its specific design, even where the client has participated in the costs of creating the tooling, unless specifically agreed in writing otherwise. The vendor reserves the right not to store tools, moulds and artwork for more than three years after they were last used.

10/ FORCE MAJEURE

The occurrence of a case of Force Majeure results in suspension of execution of the vendor's contract obligations.

The following is considered as a case of Force Majeure: any event which is outside the control of the vendor which prevents it from operating normally, at the product production and/or dispatch stage.

If a case of Force Majeure prevents the vendor from meeting the delivery dates, the delivery dates shall be postponed so as to increase the contract time-scales by a period equal to the time lost because of the case of Force Majeure.

The purchaser may not claim from the vendor any indemnity or compensation of any nature whatsoever because of a delay caused by a case of Force Majeure.

11 / DISPUTES

It is expressly agreed that all litigation of which the business relations between the vendor and purchaser are the cause, object or occasion, will come under the exclusive competence of the Trade Court of the jurisdiction in which the seller is domiciled, also in the case of the introduction of third parties or of the plurality of defendants.

The relations between the parties are governed by and subject to French law.



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ASPIVRAC - S	92	KLEGAINE GHYP	40	PERFORMER GL AD10H	101	TRELLFLEX OIL VR GG	82
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