

Hose and Assemblies 2020 Catalogue





Hose and Assemblies

2020 Catalogue

Introduction

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AGRICULTURE

Water/Discharge 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 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	Article number	Stock (●) or min. order m
40.0	4.25 ±0.75	49.0 ±1.0	10	28	320	0.91	20	0062298	●
							40	0062297	●
45.0	4.25 ±0.75	54.0 ±1.0	10	28	360	1.01	20	0062303	●
							40	0062302	●
50.0	4.25 ±0.75	60.0 ±1.0	10	28	500	1.26	20	0062308	●
							40	0062307	●
60.0	4.25 ±0.75	70.0 ±1.5	10	28	600	1.51	20	0062318	●
							40	0062317	●
65.0	4.25 ±0.75	76.5 ±1.5	10	28	650	1.80	20	0200059	120
							40	0200060	●
70.0	5.75 ±1.00	81.5 ±1.5	10	28	700	2.01	20	0062328	●
							75.0	5.75 ±1.00	86.5 ±1.5
40	0200062	●							
80.0	5.75 ±1.00	92.0 ±1.5	10	28	850	2.43	20	0062336	●
							40	0062337	●
89.0	5.75 ±1.00	101.0 ±1.5	10	28	900	2.71	20	0062339	●
							40	0062349	●
100.0	5.75 ±1.00	112.0 ±1.5	10	28	1000	3.00	20	0062341	●
120.0	5.75 ±1.00	131.5 ±2.0	5	13	1200	3.41	10	0200006	20

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AQUA 10 HOT

AGRICULTURE

Water/Discharge applications

Hot water delivery hose used in industry, construction and agricultural applications.

Technical description

Inner tube: high temperature resistant EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: high temperature resistant EPDM, black, fabric impression.

Temperature range: -30°C to +100°C.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	35.0	±1	10	30	250	0.62	40	5503648	●
32.0	42.0	±1	10	30	320	0.73	40	5503649	●
38.0	48.0	±1	10	30	380	0.85	40	5503650	●
51.0	63.0	±1	10	30	510	1.37	40	5503651	●
63.0	75.0	±1	10	30	630	1.68	40	5503652	●
76.0	89.0	±1.2	10	30	760	2.22	40	5503653	●
102.0	116.0	±1.2	10	30	1020	3.17	40	5503645	●
127.0	141.0	±1.2	10	30	1270	3.70	40	5503646	●
152.0	168.0	±1.2	10	30	1520	5.26	40	5503647	●

Tolerance on length: ±1% (ISO 1307 Standard).





AQUA 5



AGRICULTURE

Water/Discharge applications

Water delivery hose used for the discharge of industrial water, waste water and agricultural equipment.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
51.0	59.0 ±1	5	15	0.94	40	5503670	●
63.0	71.0 ±1	5	15	1.13	40	5503671	●
76.0	84.0 ±1	5	15	1.41	40	5503672	●
90.0	98.0 ±1	5	15	1.69	40	5503673	●
102.0	110.0 ±1	5	15	1.86	40	5503664	●
127.0	135.0 ±1	5	15	2.34	40	5503665	●
152.0	161.0 ±1	5	15	3.19	40	5503666	●
203.0	213.0 ±1	5	15	4.22	40	5503667	●
254.0	264.0 ±1	5	15	5.28	40	5503668	●
305.0	316.0 ±1	5	15	6.81	40	5503669	●

Tolerance on length: ±1% (ISO 1307 Standard).





AQUA 10

AGRICULTURE

Water/Discharge applications

Water delivery hose (10bar) used for the discharge of industrial water, waste water and agricultural equipment.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	33.0	±1	10	30	0.49	40	5503679	200
32.0	40.0	±1	10	30	0.61	40	5503681	200
38.0	46.0	±1	10	30	0.74	40	5503682	●
51.0	59.0	±1	10	30	0.97	40	5503683	●
63.0	71.0	±1	10	30	1.18	40	5503684	□
76.0	84.0	±1	10	30	1.37	40	5503685	●
102.0	111.0	±1	10	30	2.00	40	5503674	●
127.0	137.0	±1	10	30	2.89	40	5503675	120
152.0	161.0	±1	10	30	3.28	40	5503676	●
203.0	215.0	±1	10	30	6.10	40	5503677	●
254.0	268.0	±1.2	10	30	7.36	40	5503678	●
305.0	320.0	±1.2	10	30	9.12	40	5503680	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).





AGRICULTURE

Water/Discharge applications

Heavy duty water delivery hose for tough applications in industry, agriculture and constructions sites.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	35.0 ±1	10	30	200	0.62	40	5503724	200
38.0	50.0 ±1	10	30	320	1.11	40	5503726	200
51.0	64.0 ±1.2	10	30	510	1.51	40	5503727	●
63.0	77.0 ±1.2	10	30	630	2.00	40	5503728	160
76.0	90.0 ±1.2	10	30	760	2.51	40	5503729	160
90.0	104.0 ±1.2	10	30	900	2.82	40	5503730	160
102.0	116.0 ±1.2	10	30	1100	3.09	40	5503731	160
127.0	142.0 ±1.2	10	30	1300	4.25	40	5503732	120
152.0	168.0 ±1.2	10	30	1600	5.43	40	5503733	120

Tolerance on length: ±1% (ISO 1307 Standard).





AQUA 20



AGRICULTURE

Water/Discharge applications

Water delivery hose used for the discharge of industrial water, waste water and agricultural equipment.

Technical description

Inner tube: SBR, black, smooth.
Reinforcement: synthetic textile.
Cover: SBR, black, fabric impression.
Temperature range: -30°C to +80°C.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	35.0	±1	20	60	0.71	40	5503689	200
32.0	42.0	±1	20	60	0.95	40	5503690	200
38.0	48.0	±1	20	60	1.08	40	5503691	200
51.0	61.0	±1	20	60	1.22	40	5503692	200
63.0	74.0	±1	20	60	1.71	40	5503693	●
76.0	87.0	±1	20	60	1.90	20	59007840	●
						40	5503694	160
80.0	91.0	±1	20	60	2.09	20	59007841	●
						40	5503721	160
90.0	101.0	±1	20	60	2.39	20	59007842	●
						40	5503722	160
102.0	114.0	±1	20	60	2.80	20	59007843	●
						40	5503686	●
120.0	132.0	±1	18	54	3.96	20	59007844	●
						40	5503723	120
152.0	168.0	±1	18	54	9.13	20	59007845	●
						40	5503687	120
203.0	223.0	±1	18	54	14.70	20	59007846	●
						40	5503688	40

Tolerance on length: ±1% (ISO 1307 Standard).





OSM II

AGRICULTURE

Water/Suction 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<70mm and with embedded steel helix for ID from 89 to 100mm.

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	Article number	Stock (●) or min. order m
20.0	5.25 ±0.75	31.0 ±1.0	5	15	0.8	70	0.54	20	5503118	240
								40	5503119	240
25.0	5.25 ±0.75	36.0 ±1.0	5	15	0.8	90	0.67	20	5503120	●
								40	5503121	200
30.0	5.25 ±0.75	41.0 ±1.0	5	15	0.8	105	0.81	20	5503122	●
								40	5503123	●
35.0	5.25 ±0.75	46.0 ±1.0	5	15	0.8	120	0.92	20	5503124	●
								40	5503125	●
40.0	5.25 ±0.75	51.0 ±1.0	5	15	0.8	140	1.03	20	5503126	●
								40	5503127	●
45.0	6.25 ±0.75	58.0 ±1.0	5	15	0.8	160	1.31	20	5503128	●
								40	5503129	200
50.0	6.25 ±0.75	63.0 ±1.0	5	15	0.8	175	1.42	20	5503130	●
								40	5503131	●
55.0	6.25 ±0.75	68.0 ±1.0	5	15	0.8	195	1.56	20	5503132	●
								40	5503133	200
60.0	7.75 ±0.75	76.0 ±1.0	5	15	0.8	210	1.94	20	5503134	●
								40	5503135	160
65.0	7.75 ±1.00	81.0 ±1.5	5	15	0.8	230	2.13	20	5503136	●
								40	5503137	160
70.0	8.25 ±1.00	87.0 ±1.5	5	15	0.8	250	2.53	20	5503138	●
								40	5503139	160
89.0	6.25 ±1.00	102.0 ±1.5	5	15	0.8	320	2.92	20	0065575	●
								40	0065576	160
100.0	6.25 ±1.00	113.0 ±1.5	5	15	0.8	500	3.23	20	0065578	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AGRICULTURE

Water/Suction 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 350mm 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 350mm available on request. Packaged in straight lengths or coils, according to hose diameter. No wrapping.

OD = Hose body.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m								
25.0	6.0	37.0 ±1.5	5	15	0.8	75	0.70	2	0202586	40								
								3	0200284	39								
								4	0202587	40								
								5	0202588	●								
								6	0202589	36								
								30.0	6.0	42.0 ±1.5	5	15	0.8	90	0.82	2	0202590	●
30.0	6.0	42.0 ±1.5	5	15	0.8	90	0.82	3	0202591	●								
								4	0202592	●								
								5	0202593	●								
								6	0202594	●								
								10	0202595	40								
								35.0	6.5	48.0 ±1.5	5	15	0.8	105	1.01	2	0202596	40
35.0	6.5	48.0 ±1.5	5	15	0.8	105	1.01	3	0200285	●								
								4	0202597	●								
								5	0202598	40								
								6	0202599	●								
								40.0	6.5	53.0 ±1.5	5	15	0.8	120	1.14	2	0202600	●
								40.0	6.5	53.0 ±1.5	5	15	0.8	120	1.14	3	0202601	●
4	0202602	●																
5	0200286	●																
6	0202603	●																
10	0202604	40																
45.0	6.5	58.0 ±1.5	5	15	0.8	135	1.42									2	0202605	●
45.0	6.5	58.0 ±1.5	5	15	0.8	135	1.42	3	0202606	●								
								4	0202607	●								
								5	0202608	●								
								6	0202609	●								
								50.0	6.5	63.0 ±1.5	5	15	0.8	150	1.55	2	0202610	●
								50.0	6.5	63.0 ±1.5	5	15	0.8	150	1.55	3	0202611	●
4	0202612	●																
5	0200287	●																
6	0202613	●																
10	0202614	20																
55.0	6.5	68.0 ±1.5	5	12	0.8	220	1.69									2	0202615	40
55.0	6.5	68.0 ±1.5	5	12	0.8	220	1.69	3	0202616	●								
								4	0202617	●								
								5	0202618	●								
								6	0202619	●								
								60.0	6.5	73.0 ±1.5	4	12	0.8	240	1.83	2	0202620	●
								60.0	6.5	73.0 ±1.5	4	12	0.8	240	1.83	3	0202621	18
4	0202622	●																
5	0200288	●																
6	0202623	●																
10	0202624	20																
20	5503117	20																

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
65.0	6.5	78.0	±1.5	4	12	0.8	260	1.97	2	0202625	●
									3	0202626	●
									4	0202627	●
									5	0202628	●
									6	0202629	●
70.0	6.5	83.0	±1.5	4	12	0.8	280	2.11	2	0202630	●
									3	0202631	●
									4	0202632	●
									5	0200289	●
									6	0202633	●
75.0	6.5	88.0	±1.5	4	12	0.8	300	2.24	10	0202634	40
									2	0202635	●
									3	0202636	●
									4	0202637	●
									5	0200290	●
80.0	7.0	94.0	±1.5	4	12	0.8	320	2.62	6	0202638	●
									2	0202639	●
									3	0202640	●
									4	0202641	●
									5	0200291	●
90.0	7.0	104.0	±1.5	4	12	0.8	360	2.92	6	0202642	●
									10	0202643	20
									2	0202644	●
									3	0202645	●
									4	0202646	●
100.0	7.0	114.0	±1.5	4	12	0.8	400	3.45	5	0200292	●
									6	0202647	●
									10	0202648	20
									2	0202649	●
									3	0200293	●
110.0	8.0	126.0	±2.0	3	9	0.8	550	4.22	4	0202650	●
									5	0200294	●
									6	0202651	●
									10	0202652	20
									2	0202653	●
120.0	9.0	138.0	±2.0	3	9	0.8	600	5.17	3	0200295	●
									4	0202654	●
									5	0200296	●
									2	0202655	●
									3	0200297	●
125.0	10.0	145.0	±2.0	3	9	0.8	750	5.37	4	0202656	●
									5	0200298	●
									2	0202657	●
									3	0202658	●
									4	0202659	●
150.0	10.0	170.0	±2.0	3	9	0.8	900	7.19	5	0202660	●
									2	0202661	●
									3	0200299	●
									4	0202662	●
									5	0200300	●
200.0	10.0	220.0	±2.0	3	9	0.5	2000	16.17	4	0202474	●
									5	0202475	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AQUA 10 SD

AGRICULTURE

Water/Suction applications

Water suction and delivery hose used for industrial water, waste water and agricultural equipment.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	35.0 ±1	10	30	0.9	100	0.71	40	5503700	●
32.0	42.0 ±1	10	30	0.9	120	1.01	40	5503701	●
38.0	48.0 ±1	10	30	0.9	160	1.19	40	5503702	●
51.0	63.0 ±1	10	30	0.9	200	1.72	40	5503703	●
63.0	75.0 ±1	10	30	0.9	245	2.23	20	59007854	●
							40	5503704	160
76.0	88.0 ±1	10	30	0.9	320	2.57	20	59007855	●
							40	5503705	160
90.0	103.0 ±1.2	10	30	0.9	360	3.36	20	59007856	●
							40	5503706	160
102.0	116.0 ±1.2	10	30	0.9	410	4.05	20	59007857	●
							40	5503695	●
127.0	143.0 ±1.2	10	30	0.9	510	5.82	20	59007858	●
							40	5503696	●
152.0	169.0 ±1.2	10	30	0.9	610	7.66	20	59007859	●
							40	5503697	●
203.0	225.0 ±1.6	10	30	0.8	1000	13.28	20	59007860	●
							40	5503698	●
254.0	276.0 ±1.6	10	30	0.8	1270	19.17	20	59007861	●
							40	5503699	●

Tolerance on length: ±1% (ISO 1307 Standard).





AQUA 10 HOT SD

AGRICULTURE

Water/Suction applications

Hot water suction and delivery hose used in industry, construction and agricultural applications.

Technical description

Inner tube: high temperature resistant EPDM, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: high temperature resistant EPDM, black, fabric impression.

Temperature range: -30°C to +100°C.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
38.0	48.0	±1	10	30	0.9	160	1.01	40	5503660	●
51.0	63.0	±1	10	30	0.9	200	1.57	40	5503661	●
63.0	75.0	±1	10	30	0.9	245	2.21	20	59007847	●
								40	5503662	160
76.0	88.0	±1	10	30	0.9	320	2.43	20	59007848	●
								40	5503663	160
102.0	116.0	±1.2	10	30	0.9	410	3.73	20	59007849	●
								40	5503654	160
127.0	143.0	±1.2	10	30	0.9	510	5.82	20	59007850	●
								40	5503655	120
152.0	169.0	±1.2	10	30	0.9	610	8.25	20	59007851	●
								40	5503656	120
203.0	225.0	±1.2	10	30	0.8	1000	12.43	20	59007852	●
								40	5503657	40
254.0	278.0	±1.6	10	30	0.8	1270	17.39	20	59007853	●
								40	5503720	40

Tolerance on length: ±1% (ISO 1307 Standard).





OST EPDM 16BAR

AGRICULTURE

Water/Suction 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 16bar 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<1MΩ/m.
Special properties: abrasion ISO4649: 100mm³ max.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	5.0	35.0	16	48	0.9	100	0.62	40	5503200	●
32.0	5.0	42.0	16	48	0.9	125	0.76	40	5503201	●
38.0	5.5	49.0	16	48	0.9	150	1.13	40	5503202	●
51.0	5.5	62.0	16	48	0.9	250	1.49	40	5503203	●
63.0	7.0	77.0	16	48	0.9	325	2.30	20	59007862	●
								40	5503204	●
76.0	7.0	90.0	16	48	0.9	400	2.63	20	59007863	●
								40	5503205	●
102.0	7.5	117.0	16	48	0.9	500	3.80	20	59007864	●
								40	5503206	●
127.0	9.0	145.0	16	48	0.9	645	6.04	20	59007865	●
								40	5513869	●
152.0	10.0	172.0	16	48	0.9	910	8.48	20	59007866	●
								40	5503207	●
203.0	13.0	229.0	16	48	0.9	1150	14.00	20	5503602	●
								40	5503580	●
254.0	15.0	284.0	16	48	0.9	1650	19.53	10	5503604	●
								20	5503581	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version



AGRICULTURE

Water/Discharge 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	Article number	Stock (●) or min. order m
25.0	10	30	0.24	50	0124652	200
35.0	10	30	0.30	50	0200935	●
40.0	10	30	0.35	50	0200939	●
45.0	10	30	0.40	50	0201333	●
50.0	8	24	0.48	50	0200943	●
63.0	7	21	0.54	50	0201335	200
70.0	7	21	0.62	50	0201337	●
75.0	7	21	0.75	50	0200949	●
100.0	6	18	1.05	50	0200955	●
150.0	4	12	1.80	50	0200959	●
200.0	2	7	2.10	50	0200952	200

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AGRICULTURE

Water/Discharge 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	Article number	Stock (●) or min. order m
40.0	14	42	0.44	50	0201470	●
45.0	14	42	0.48	50	0201472	●
50.0	12	36	0.55	50	0201474	●
63.0	12	36	0.75	50	0201476	200
70.0	12	36	0.84	50	0201478	200
90.0	10	30	1.15	50	0201482	200
102.0	10	30	1.33	50	0201484	200
150.0	5	15	2.45	50	0201486	200

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





SUPERELASTIC OSL

AGRICULTURE

Water/Suction applications

Suction and discharge hose for water, food, alcohol, nutrition and pesticides, sand, etc.

Also suitable for certain chemicals, see chemical table for PVC.

Advantages

- Good resistance to abrasion and sharp objects outside.
- Excellent flex durability.
- Very good hydrolysis resistance.
- Flexible at low temperatures.
- Good ozone resistance.
- Smooth inner tube.

Technical description

Inner tube: PVC, transparent, smooth.

Reinforcement: PVC spiral.

Cover: PVC, transparent, corrugated.

Temperature range: -10°C to +60°C.

Standard/Approval:

Meets EU 10/2011 to transfer non-fatty food and alcohol.

Complementary information

All technical data is valid at +20°C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Length m	Article number	Stock (●) or min. order m
25.0	2.6	27.9	6	18	0.7	130	50	5110311	□
31.8	2.7	34.5	5	15	0.7	155	50	5110321	□
38.1	2.9	40.8	4	12	0.7	180	50	5110331	□
50.0	3.3	53.3	4	12	0.7	235	50	5110341	□
50.8	3.3	54.1	4	12	0.7	235	50	5110346	50
63.5	3.4	66.9	4	12	0.7	290	50	5110361	□
76.0	3.9	79.9	3	9	0.7	340	50	5110376	100
90.0	4.4	94.4	3	9	0.7	420	30	5110385	□
102.0	4.8	106.8	3	9	0.7	470	30	5110395	□
127.0	5.2	132.2	3	9	0.6	680	30	5110405	60
152.0	6.1	158.9	3	9	0.5	780	20	5110415	□
203.0	6.5	209.7	2	6	0.45	1000	10	5110420	□
250.0	6.8	256.8	1	4	0.4	1800	10	5110425	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AGRICULTURE

Water/Suction 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, discharge of alcohol up to 18° max.

Technical description

Inner tube: foodstuffs quality PVC, transparent, smooth.

Reinforcement: high tensile steel.

Cover: PVC, transparent, light corrugated.

Temperature range: -5°C to +50°C.

Electrical properties: non conductive.

Standard/Approval:

Complies with European regulation No. 10/2011 for the transfer of non-fatty food and various alcohol (max 20°).

Complementary information

All technical data is valid at +20°C.

Bursting pressure = 2.5 x 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	Article number	Stock (●) or min. order m
12.0 ±1.0	3.0	18.0	8	20	0.85	36	0.18	60	5503437	60
20.0 ±1.0	3.75	27.5	7	17.5	0.90	76	0.35	60	5503438	●
25.0 ±1.0	4.5	34.0	6	15	0.90	85	0.51	60	5503439	●
32.0 ±1.0	4.75	41.5	5	12.5	0.90	120	0.71	60	5503440	●
40.0 ±1.0	5.25	50.5	5	12.5	0.90	135	1.00	30	5503442	●
51.0 ±1.0	5.75	62.5	5	12.5	0.90	150	1.32	30	5503445	●
60.0 ±1.0	6.0	72.0	5	12.5	0.85	195	1.66	30	5503447	●
76.0 ±1.5	6.25	88.5	5	12.5	0.85	305	2.30	30	5503448	30
80.0 ±1.5	6.25	92.5	5	12.5	0.85	305	2.45	30	5503449	30
90.0 ±1.5	6.25	102.5	4	10	0.85	330	2.75	30	5503450	30
100.0 ±1.5	6.25	112.5	3	7.5	0.85	345	3.34	30	5503451	30
102.0 ±1.5	7.0	116.0	3	7.5	0.80	350	3.50	30	1871720	90
105.0 ±1.5	8.0	121.0	3	7.5	0.80	360	3.70	30	5503452	30
120.0 ±1.5	6.75	133.5	3	7.5	0.80	385	4.20	20	5503453	20
150.0 ±1.5	8.25	166.5	2	5	0.80	415	6.00	20	5503454	20

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AGRICULTURE

Farm/Spraying

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<16mm, type B for ID≥16mm.

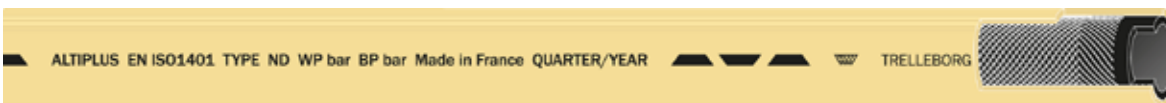
Complementary information

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

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m					
8.0 ±0.5	16.0 ±0.6	60	240	40	0.24	40	5501371	●					
						160	5501372	●					
9.0 ±0.5	17.5 ±0.6	60	240	40	0.28	40	5501373	1320					
						160	5501374	●					
10.0 ±0.5	18.5 ±0.6	60	240	45	0.29	40	5501375	▣					
						50	5012558	50					
						60	5012557	▣					
						100	5012556	100					
						160	5501376	●					
						200	5501377	●					
						12.5 ±0.6	21.0 ±0.7	60	240	50	50	5501378	●
						80	5501379	●					
16.0 ±0.7	26.5 ±0.8	40	160	80	0.53	40	5501380	●					
						120	5501382	●					
19.0 ±0.7	31.0 ±0.8	40	160	90	0.67	40	5501383	●					
						120	5501384	●					
25.0 ±0.8	37.0 ±1.5	40	160	100	0.81	40	5501385	●					
						80	5501386	●					

▣ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AGRICULTURE

Farm/Pumping fish

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, smooth.

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.

ID inch	ID mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
10	254.0	261.0 ±1.5	2	7	3.05	40	5010364	40
12	305.0	312.0 ±1.5	2	7	3.66	30	0594432	30
						40	0208009	40
14	355.0	362.0 ±1.5	2	7	4.25	30	0594424	30
						40	0208025	40

Tolerance on length: ±1% (ISO 1307 Standard).



and in opposite:



Digital version





FP 3010

AGRICULTURE

Farm/Pumping fish

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, smooth.

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.

ID inch	ID mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
10	254.0	263.0 ±1.5	3	10	4.06	40	2955660	40
		265.0 ±1.5			5.12		2863290	40
12	305.0	312.0 ±1.5	3	10	3.83	40	2861070	40
		314.0 ±1.5			5.03		2913530	40
		316.0 ±1.5			6.30		2911310	40
14	355.0	362.0 ±1.5	3	10	4.44	40	2860840	40
		364.0 ±1.5			5.84		1300190	40
							2052650	40
		366.0 ±1.5			7.30		5500653	40

Tolerance on length: ±1% (ISO 1307 Standard).



and in opposite:



Digital version





AGRICULTURE

Farm/Pumping fish

Rubber hose for transport of fish, designed specially for vacuum pumps. Same hose can be used on both sides of the pump, both on the pressure and vacuum side.

The hose can be delivered with very flexible coupling solutions, either BLOC-END® (ID 254-355), vulcanized swivel flange or cuffs.

Advantages

- Designed especially for hard external stresses.
- Extremely flexible and robust, especially in the cold.
- Can stand max. vacuum of 90% and pressure of max 3bar.
- Inner tube compound is highly resistant to fish fat.
- The hose is manufactured to use BLOC-END® couplings in aluminum, which is mounted outside the hose (ID 254-355).
- Very flexible coupling solutions. Whatever coupling solution you choose between cuff and swivel flange, the coupling may later be cut off, and the hoses will be ready for BLOC-END® couplers (ID 254-355).
- Smooth tube and no sharp edges inside the hose means no damage on the fish.

Technical description

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

Reinforcement: synthetic textile with embedded steel helix.

Cover: SBR/NBR, black, ID 254-355: corrugated, ID 405-508: smooth cover.

Temperature range: -30°C to +70°C.

Couplings/Fittings

Can be made with cuffed ends and in other lengths, please contact us.

Complementary information

Types:

* = Hose without end fitting.

BE = BLOC-END®. Can be mounted with BLOC-END® couplings (ID 254-355), not included with the hose.

CS = Swivel flange CS (Carbon Steel). Supplied with vulcanized swivel flange along with the hose.

SS = Swivel flange SS (Stainless Steel AISI 304). Supplied with vulcanized swivel flange along with the hose.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Type	Article number	Stock (●) or min. order m
254.0	286.0	3	12	0.9	1500	19.50	10	*/BE	5513582	10
							10	CS	5513584	10
							10	SS	5513585	10
							12	*/BE	5513583	12
							12	CS	5513586	12
305.0	340.0	3	12	0.9	1800	30.45	8	SS	5513618	8
							10	*/BE	5513588	10
							10	CS	5513590	10
							10	SS	5513591	10
							12	*/BE	5513589	12
355.0	390.0	3	12	0.9	2100	30.50	10	*/BE	5513594	10
							10	CS	5513596	10
							10	SS	5513597	10
							12	*/BE	5513595	12
							12	SS	5513599	12
406.0	446.0	3	12	0.9	2600	51.10	10	*	5513600	10
							10	CS	5513602	10
							12	*	5513601	12
							12	CS	5513604	12
							12	SS	5513605	12
457.0	497.0	3	12	0.9	2950	57.20	10	*	5513606	10
							10	CS	5513608	10
							10	SS	5513609	10
							12	*	5513607	12
							12	CS	5513610	12
508.0	548.0	3	12	0.9	3500	64.00	10	*	5513612	10
							10	CS	5513614	10
							10	SS	5513615	10
							12	*	5513613	12
							12	CS	5513616	12
							12	SS	5513617	12

Tolerance on length: ±1% (ISO 1307 Standard).

Can be mounted with BLOC-END® couplings (not included with the hose).
Supplied with vulcanized swivel flanges (CS or SS) along with the hose.





Automotive



Oil

HYDRG HYDRO'ECO ID x OD - WP 10 bar - year



HYDRO'ECO

32



AUTOMOTIVE

Oil

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 55mm.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
3.0 ±0.4	2.25	7.5 ±0.5	10	30	23	0.05	20	5603911	●
4.0 ±0.4	3.5	11.0 ±0.5	10	30	30	0.11	20	0061636	●
5.0 ±0.4	3.5	12.0 ±0.5	10	30	34	0.13	20	0061637	●
6.0 ±0.4	3.0	12.0 ±0.5	10	30	38	0.12	20	0061638	●
7.0 ±0.5	3.0	13.0 ±0.6	10	30	45	0.13	20	0061639	●
8.0 ±0.5	3.0	14.0 ±0.6	10	30	52	0.14	20	0061640	●
10.0 ±0.5	3.0	17.0 ±0.6	10	30	62	0.20	10	5500140	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week - year

Digital version


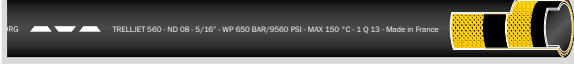

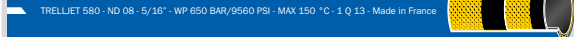




Drain and sewer cleaning

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BUILDINGS & CONSTRUCTION

Drain and sewer cleaning

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. Very low sliding resistance.

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 375bar and have an unique hose number.

Complementary information

Delivered with test certificate on each factory assembled hose.

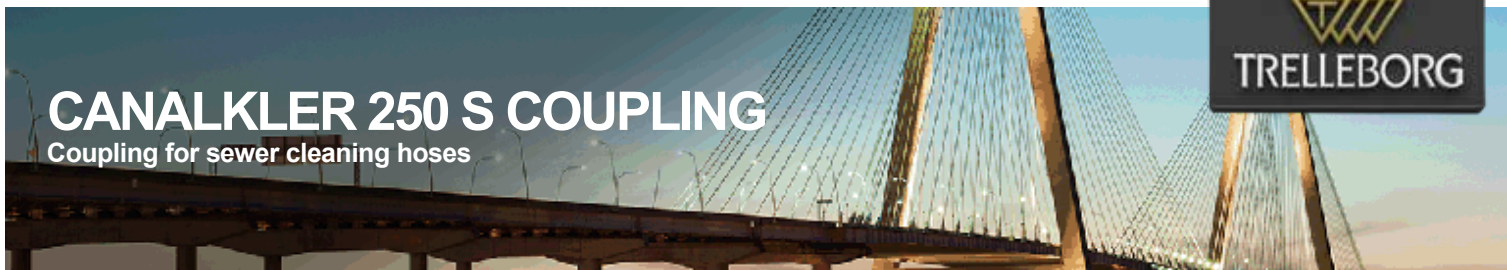
ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m		
13.0	±0.5	6.3	±0.5	25.6	250	625	70	0.45	40	5014178	●
									60	5014179	●
									80	5014180	●
									100	5014916	●
									120	5014005	●
19.0	±0.6	6.3	±0.5	31.6	250	625	90	0.61	40	5014181	●
									80	5014182	●
									100	5014459	●
									120	5014006	●
25.0	±0.8	7.15	±0.5	39.3	250	625	100	0.90	40	5014183	●
									50	5014874	●
									80	5014184	●
									100	5014238	●
									120	5014007	●
									150	5014461	●
									160	5014185	●
									180	5014186	●
32.0	±1.0	7.8	±0.6	47.6	250	625	130	1.12	40	5014187	●
									80	5014188	●
									120	5014008	●
									150	5014466	●
									160	5014189	●
									180	5014190	●
38.0	±1.0	8.0	±0.8	54.0	250	500	155	1.35	200	5014655	400
									120	5014009	●

Tolerance on length: ±1% (ISO 1307 Standard).



Embossed branding





BUILDINGS & CONSTRUCTION

Drain and sewer cleaning

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=250bar, for press-type.

WP=200bar, 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	
One piece Press coupling. BSP male.	0118219	321-24-24	1"1/2	38	
	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	
Reusable coupling. Ferrule included. BSP female.	0117310	321-20-20	1"1/4	32	
	0118218	321-24-24	1"1/2	38	
	0116184	321-08-08	1/2"	13	
	0116186	321-12-12	3/4"	19	
	0117706	321-16-16	1"	25	
Reusable coupling. Ferrule included. BSP male.	0118223	321-20-16	1"1/4	25	
	0117708	321-20-20	1"1/4	32	
	0118221	321-24-24	1"1/2	38	
	0116183	321-08-08	1/2"	13	
	0116185	321-12-12	3/4"	19	
Menders.	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	
	5016257		1/2"	13	
5016258		3/4"	19		
5016259		1"	25		
5016260		1"1/4	32		
5016261		1"1/2	38		

Lengths in bold = stock item. Other lengths = non stock (consult us for minimum quantity of order).



BUILDINGS & CONSTRUCTION

Drain and sewer cleaning

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	Article number	Stock (●) or min. order m
13.0 ±0.8	5.0	23.0 ±0.8	200	500	70	0.45	40	0071107	●
							60	0071108	●
							80	0071109	●
							100	0071110	●
							120	0071111	●
19.0 ±0.8	6.25	31.5 ±0.8	200	500	95	0.82	40	5010435	840
							60	0071113	840
							80	0071114	●
							100	0071115	●
							120	0071116	●
25.0 ±1.0	6.55	38.1 ±1.0	200	500	110	1.14	60	0071117	1200
							80	0071118	●
							100	0071119	●
							120	0071120	●
							32.0 ±1.2	6.95	45.9 ±1.2
80	0071122	480							
100	0071123	600							
120	0071124	600							

Tolerance on length: ±1% (ISO 1307 Standard).

Embossed branding



Digital version





KLERIX COUPLING

BSP coupling steel for swaging

BUILDINGS & CONSTRUCTION

Drain and sewer cleaning

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	

Lengths in bold = stock item. Other lengths = non stock (consult us for minimum quantity of order).



ASPIKLER N

BUILDINGS & CONSTRUCTION

Drain and sewer cleaning

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	Article number	Stock (●) or min. order m
100.0 ±1.0	8.0	116.5 ±1.5	6	15	0.9	450	4.30	20	0095016	●
								40	0096724	200
102.0 ±1.0	8.0	118.0 ±1.5	6	15	0.9	450	4.38	20	5513565	●
125.0 ±1.2	9.5	144.0 ±1.5	6	15	0.9	550	6.30	20	0094152	●
								40	5009671	200
127.0 ±1.2	9.5	146.0 ±1.5	6	15	0.9	550	6.39	20	5513566	●
150.0 ±1.2	10.0	170.0 ±1.5	6	15	0.9	650	7.77	20	5008847	●
152.0 ±1.2	10.0	172.0 ±1.5	6	15	0.9	650	7.87	20	5513567	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





BUILDINGS & CONSTRUCTION

Drain and sewer cleaning

Pumping installations, suction and delivery.
Sewer and tank truck applications.

Advantages

- Excellent kink resistance even at small bending radius.
- Withstands 0.8bar vacuum.
- Smooth cover to prevent friction on sharp edges of manholes, walls fences, etc.
- This hose can be produced with straight or enlarged ends (from 3 to 12mm) to fit all types of couplings.
- High resistance to abrasive environment.

Technical description

Inner tube: NR, black, smooth.

Reinforcement: synthetic textile cords with embedded steel helix.

Cover: NR, black, fabric impression.

Temperature range: -30°C to +60°C.

Complementary information

Other lengths and other diameters like diam.120mm could be produced 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	Article number	Stock (●) or min. order m
100.0	10.0 ±2.5	120.0 ±2.0	4	12	0.8	800	5.21	4.5	0060278	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLJET 561

BUILDINGS & CONSTRUCTION

Water/High pressure jetting

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.

Advantages

- Smooth cover.
- Oil, detergent, 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, 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.

Complementary information

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

ID mm	Wall thickness mm	OD mm	Reinf. diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
6.4	+0.6/-0.2	2.65	11.7 ±0.7	9.8 ±0.3	400	1000	50	0.16	100	2913930	●
7.9	+0.6/-0.2	2.75	13.4 ±0.7	11.5 ±0.3	400	1000	60	0.19	100	2910040	●
9.5	+0.6/-0.2	3.0	15.5 ±0.7	13.6 ±0.3	400	1000	70	0.25	100	2910000	●
12.7	+0.8/-0.4	3.0	18.7 ±0.8	16.7 ±0.3	350	900	80	0.30	100	5015696	●

Tolerance on length: ±1% (ISO 1307 Standard).

ND 8mm



Digital version





TRELLJET 560

BUILDINGS & CONSTRUCTION

Water/High pressure jetting

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.

Advantages

- 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: steel, two braids.

Cover: SBR/NBR, black, 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.

Complementary information

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

ID mm	Wall thickness mm	OD mm	Reinf. diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
7.9	+0.6/-0.2	3.55	15.0 ±0.7	12.7 ±0.3	650	1600	65	0.31	100	2910220	●
9.5	+0.6/-0.2	3.8	17.4 ±0.7	14.9 ±0.3	650	1600	70	0.38	100	2910260	●

Tolerance on length: ±1% (ISO 1307 Standard).

ND 8mm



Digital version





BUILDINGS & CONSTRUCTION

Water/High pressure jetting

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.

Advantages

- Non-staining smooth cover.
- Oil, detergent, 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, blue, 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.

Complementary information

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

ID mm	Wall thickness mm	OD mm	Reinf. diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
6.4	+0.6/-0.2	2.65	11.7 ±0.7	9.8 ±0.3	400	1000	50	0.16	100	2910430	●
7.9	+0.6/-0.2	2.75	13.4 ±0.7	11.5 ±0.3	400	1000	60	0.19	100	2910440	●
9.5	+0.6/-0.2	3.0	15.5 ±0.7	13.6 ±0.3	400	1000	70	0.25	100	2910450	●
12.7	+0.8/-0.4	3.0	18.7 ±0.8	16.7 ±0.3	350	900	80	0.30	100	2910470	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLJET 580

BUILDINGS & CONSTRUCTION

Water/High pressure jetting

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.

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: steel, two braids.
Cover: SBR/NBR, blue, 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.

Complementary information

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

ID mm	Wall thickness mm	OD mm	Reinf. diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
7.9	+0.6/-0.2	3.55	15.0 ±0.7	12.7 ±0.3	650	1600	65	0.31	100	2910310	●
9.5	+0.6/-0.2	3.8	17.4 ±0.7	14.9 ±0.3	650	1600	70	0.38	100	2910370	●
12.7	+0.8/-0.4	3.75	20.6 ±0.8	18.1 ±0.3	500	1200	70	0.47	100	2910420	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





BUILDINGS & CONSTRUCTION

Blasting and guniting

Abrasive resistant sandblast hose used for the delivery of sand, steel shot, stone.

Technical description

Inner tube: NR, black, smooth.

Reinforcement: synthetic textile.

Cover: abrasion resistant SBR, black, fabric impression.

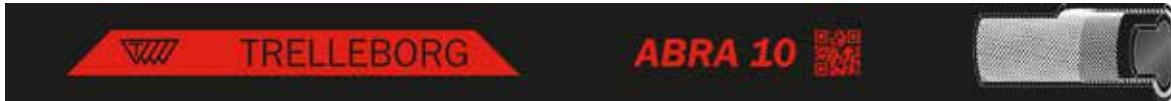
Temperature range: -30°C to +80°C.

Electrical properties: conductive tube.

Special properties: abrasion resistance of tube <70mm³ according to ISO 4649.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0	27.0 ±1.2	10	30	104	0.53	40	5513716	●
16.0	30.0 ±1.2	10	30	130	0.61	40	59006824	400
19.0	33.0 ±1.2	10	30	160	0.75	40	5513717	●
25.0	39.0 ±1.2	10	30	200	0.83	40	5513718	●
32.0	48.0 ±1.2	10	30	260	1.23	40	5513719	●
38.0	56.0 ±1.2	10	30	300	1.55	40	5513720	●
51.0	71.0 ±1.2	10	30	410	2.20	40	5513721	400
63.0	83.0 ±1.2	10	30	510	2.70	40	5513722	400

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





ABRA 12

BUILDINGS & CONSTRUCTION

Blasting, guniting

High abrasive resistant hose used for sandblasting (sand, steel shot, stone), spraying of mortar and mixed concrete as well as dry products (plaster, grout and ready mixed concrete).

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: wear and weather resistant SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

Electrical properties: conductive tube.

Special properties: abrasion resistance of tube <50mm³ according to ISO 4649.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0	27.0 ±1.2	12	36	104	0.50	40	5513728	●
16.0	30.0 ±1.2	12	36	130	0.61	40	5513729	●
19.0	33.0 ±1.2	12	36	160	0.71	40	5513730	●
25.0	39.0 ±1.2	12	36	200	0.83	40	5513731	●
32.0	48.0 ±1.2	12	36	260	1.17	40	5513732	●
38.0	56.0 ±1.2	12	36	300	1.80	40	5513733	●
51.0	71.0 ±1.2	12	36	410	2.22	40	5513734	●
63.0	85.0 ±1.6	12	36	510	2.94	40	5513735	●
76.0	100.0 ±1.6	12	36	610	3.73	40	5513736	●

Tolerance on length: ±1% (ISO 1307 Standard).





BUILDINGS & CONSTRUCTION

Blasting and guniting

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: wear and weather resistant SBR, black, fabric impression.

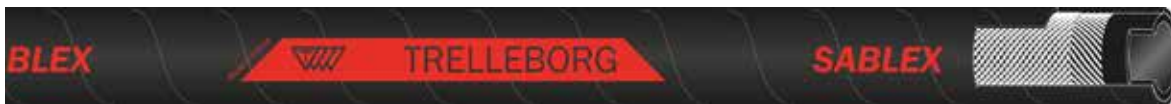
Temperature range: -30°C to +70°C.

Electrical properties: conductive tube, $R < 2 \cdot 10^6 \Omega/m$.

Special properties: abrasion resistance of tube $< 40mm^3$ 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	Article number	Stock (●) or min. order m
13.0	7.0 ±0.50	27.0 ±1.0	12	40	65	0.58	40	0060061	●
16.0	7.0 ±0.50	30.0 ±1.0	12	40	80	0.68	20	0028719	400
							40	0028720	400
19.0	7.5 ±0.50	34.0 ±1.0	12	40	100	0.78	20	0028745	●
							40	0028746	●
25.0	7.0 ±0.50	39.0 ±1.0	12	40	125	0.86	20	0060969	●
							40	0060970	●
32.0	8.0 ±0.50	48.0 ±1.0	12	40	160	1.30	20	0060971	●
							40	0060972	●
	11.0 ±0.50	54.0 ±1.0			140	1.85	20	0070785	200
							40	0070786	200
35.0	9.0 ±0.50	53.0 ±1.0	12	40	190	1.57	40	0070788	200
38.0	10.0 ±0.50	58.0 ±1.0	12	40	170	1.89	20	0070789	200
							40	0070790	●
40.0	10.0 ±0.50	60.0 ±1.0	12	40	180	1.97	20	0028786	600
							40	0028787	●
42.0	9.0 ±0.50	60.0 ±1.0	12	40	240	1.81	20	0070791	200
							40	0070792	200
50.0	10.0 ±0.75	70.0 ±1.5	12	40	250	2.36	40	0060974	●
63.0	10.0 ±0.75	83.0 ±1.5	12	40	325	2.90	40	0060077	160
65.0	10.0 ±0.75	85.0 ±1.5	12	40	320	2.95	20	0070797	160
							40	0070798	160
76.0	10.0 ±0.75	96.0 ±1.5	12	40	400	3.42	40	0070784	120
102.0	10.0 ±0.75	122.0 ±1.5	12	40	550	4.40	40	0028860	80

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





BUILDINGS & CONSTRUCTION

Blasting and guniting

High abrasive resistant sandblast hose used for the delivery of sand, steel shot, stone.

Technical description

Inner tube: NR, black, smooth.

Reinforcement: synthetic textile.

Cover: abrasion resistant SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

Electrical properties: conductive tube.

Special properties: abrasion resistance of tube <70mm³ according to ISO 4649.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	38.0	±1.2	10	30	160	1.00	40	5513724	200
25.0	48.0	±1.6	10	30	200	1.59	40	5513725	200
32.0	55.0	±1.6	10	30	260	1.78	40	5513726	200
38.0	60.4	±1.6	10	30	300	2.07	40	5513727	●
51.0	73.0	±1.6	10	30	410	2.56	40	5513756	●

Tolerance on length: ±1% (ISO 1307 Standard).





BUILDINGS & CONSTRUCTION

Blasting and guniting

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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m		
20.0	-0/+1.0	10.5	41.0	±1.0	10	30	120	1.15	20	0125393	160
									40	0126564	160
25.0	-0/+1.0	10.5	46.0	±1.0	10	30	150	1.33	20	0072310	●
									40	0072312	160
30.0	-0/+1.0	10.5	51.0	±1.0	10	30	180	1.45	20	0072317	●
									40	0072319	160
35.0	-0/+1.0	10.5	56.0	±1.0	10	30	210	1.75	20	0072324	120
									40	0072326	120
40.0	-0/+1.0	10.5	61.0	±1.0	10	30	240	1.85	20	0072330	●
									40	0072332	●
50.0	-0/+1.0	11.75	73.5	±1.0	10	30	400	2.60	20	0072342	●
									40	0072344	●
60.0	-0/+1.5	12.5	85.0	±1.5	10	30	600	3.15	20	0061502	●
65.0	-0/+1.5	13.25	91.5	±1.5	10	30	650	3.50	20	0070073	40
70.0	-0/+1.5	14.25	98.5	±1.5	10	30	700	3.96	20	0061503	40
80.0	-0/+2.0	15.5	111.0	±1.5	10	30	800	4.74	10	0061504	40
90.0	-0/+2.0	15.5	121.0	±1.5	10	30	1070	5.26	10	0061505	●
100.0	-0/+2.0	15.5	131.0	±1.5	10	30	1200	5.75	10	0061506	40
110.0	-0/+2.0	15.0	140.0	±1.5	10	30	1320	7.24	10	0061507	40
125.0	-0/+2.0	15.0	155.0	±1.5	10	30	1500	8.08	10	0061508	40

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PROJECTOR 40

BUILDINGS & CONSTRUCTION

Spraying

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.
- Non-staining white cover avoids traces on walls and floors.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: wear and weather resistant SBR, black, fabric impression.

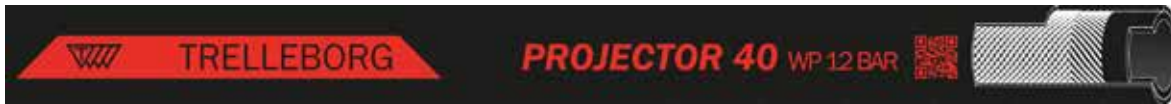
Temperature range: -30°C to +70°C.

Electrical properties: conductive tube, $R < 2 \cdot 10^6 \Omega/m$.

Special properties: abrasion resistance of tube $< 40mm^3$ 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	Article number	Stock (●) or min. order m
25.0	9.5 ±0.50	44.0 ±1.0	12	40	120	1.20	40	59006811	●
32.0	10.0 ±0.50	52.0 ±1.0	12	40	150	1.57	40	59006812	●
40.0	10.0 ±0.50	60.0 ±1.0	12	40	180	1.80	20	59006813	●
							40	59006814	●
50.0	10.0 ±0.75	70.0 ±1.5	12	40	250	2.22	20	59006815	●
							40	59006816	●
60.0	10.0 ±0.75	80.0 ±1.5	12	40	290	2.30	20	59006817	●
							40	59006818	●
63.0	13.5 ±0.75	90.0 ±1.5	12	40	340	2.83	20	59006949	●
65.0	10.0 ±0.75	85.0 ±1.5	12	40	320	2.70	20	59006819	●
							40	59006820	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





BUILDINGS & CONSTRUCTION

Spraying

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.
- Non-staining white cover avoids traces on walls and floors.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: wear and weather resistant SBR, white, 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 $< 40mm^3$ 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	Article number	Stock (●) or min. order m
65.0	10.0 ±0.75	85.0 ±1.5	12	40	320	2.79	20	59006821	●

Tolerance on length: ±1% (ISO 1307 Standard).





BUILDINGS & CONSTRUCTION

Spraying

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.
- Non-staining white cover avoids traces on walls and floors.

Technical description

Inner tube: wear resistant NR, smooth.

Reinforcement: synthetic textile.

Cover: wear and weather resistant SBR, fabric impression.

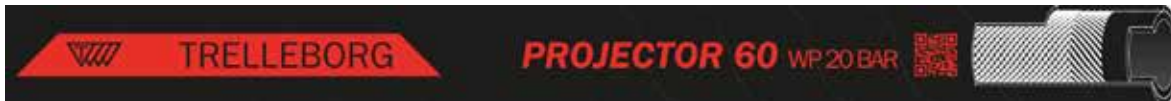
Temperature range: -30°C to +70°C.

Electrical properties: conductive tube, $R < 2 \cdot 10^6 \Omega/m$.

Special properties: abrasion resistance of tube $< 40mm^3$ 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	Article number	Stock (●) or min. order m
65.0	10.0 ±0.75	85.0 ±1.5	20	60	350	2.83	20 40	59006822 59006823	● ●

Tolerance on length: ±1% (ISO 1307 Standard).





PROJECTOR 120

BUILDINGS & CONSTRUCTION

Spraying

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.
- Non-staining white cover avoids traces on walls and floors.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: wear and weather resistant SBR, black, fabric impression.

Temperature range: -30°C to +70°C.

Electrical properties: antistatic tube.

Special properties: abrasion resistance of tube <40mm³ according to ISO 4649.

Complementary information

13.3m lengths available on request, min. order is three pieces and by multiple of three.

Other wall thickness and/or bursting pressure on request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	6.0	31.0	40	120	150	0.27	40	5513550	200
25.0	7.0	39.0	40	120	200	0.85	40	5513551	●
30.0	7.0	44.0	40	120	240	1.00	40	5513552	200
32.0	8.0	48.0	40	120	260	1.22	40	5513553	●
35.0	7.0	49.0	40	120	280	1.12	40	5513554	●
38.0	8.0	54.0	40	120	300	1.45	40	5513564	●
40.0	7.5	55.0	40	120	310	1.53	40	59006802	200
50.0	9.0	68.0	40	120	410	2.01	20	59006804	●
							40	5513557	●
60.0	10.0	80.0	40	120	480	2.66	40	5513558	160
63.0	10.0	83.0	40	120	500	2.77	40	5513559	160
65.0	10.0	85.0	40	120	520	2.84	20	59006805	●
							40	5513560	●
76.0	10.0	96.0	40	120	600	3.31	40	5513561	160
90.0	12.0	114.0	40	120	720	8.90	20	59006806	●
102.0	14.0	130.0	40	120	800	5.67	40	5513563	160

Tolerance on length: ±1% (ISO 1307 Standard).





PROJECTOR 120 WHITE

BUILDINGS & CONSTRUCTION

Spraying

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.
- Non-staining white cover avoids traces on walls and floors.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile.

Cover: wear and weather resistant SBR, white, fabric impression.

Temperature range: -30°C to +70°C.

Electrical properties: antistatic tube.

Special properties: abrasion resistance of tube <40mm³ according to ISO 4649.

Complementary information

13.3m lengths available on request, min. order is three pieces and by multiple of three.

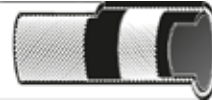
Other wall thickness and/or bursting pressure on request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	7.0	39.0	40	120	200	0.85	40	59006807	●
35.0	7.0	49.0	40	120	280	1.13	40	59006808	●
50.0	9.0	68.0	40	120	410	2.22	20	59006809	●
							40	59006810	●

Tolerance on length: ±1% (ISO 1307 Standard).



PROJECTOR 120 WP 40 BAR





PULSOR 170

BUILDINGS & CONSTRUCTION

Concrete pump and placement

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

- Very high resistance of the hose gives 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: abrasion resistant NR, black, smooth.
Reinforcement: two steel cords plies for ID 51mm, four steel cords plies for other diameters.
Cover: abrasion and weather resistant NR, black, fabric impression.
Temperature range: -30°C to +80°C.

Couplings/Fittings

Crimped 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	Article number	Stock (●) or min. order m
51.0	10.0 ±0.6	71.0 ±1.5	85	170	0.8	230	2.80	20	5605276	●
								40	5604797	●
65.0	11.0 ±0.8	87.0 ±2.0	85	170	0.8	270	4.17	20	5605277	●
								40	5604798	●
76.0	13.0 ±0.8	102.0 ±2.0	85	170	0.8	320	5.40	20	5605278	●
								40	5604799	●
102.0	13.0 ±0.8	128.0 ±2.0	85	170	0.8	380	7.30	20	5605279	●
								40	5604801	●
127.0	14.0 ±0.8	155.0 ±2.0	85	170	0.8	450	9.80	20	5604802	●
								40	5604803	●
152.0	16.0 ±0.8	184.0 ±2.0	85	170	0.8	650	14.30	20	5604803	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - PULSOR 170 - ND mm" - WP 85 bar/1250 PSI - week/year



BUILDINGS & CONSTRUCTION

Concrete pump and placement

High pressure concrete pump hose for boom transfer, placement.

Advantages

- Prevents whipping effects when air is compressed in the delivery system, then released.
- Avoids risks of injuries.
- Highly abrasion resistant hose to give extended service life.

Technical description

Inner tube: abrasion resistant NR/SBR, black, smooth.

Reinforcement: 4 steel cords plies and specific reinforcement.

Cover: abrasion and weather resistant NR/SBR, black, fabric impression.

Temperature range: -30°C to +80°C.

Couplings/Fittings

Hose assembly delivered with one crimped coupling according to VICTAULIC or concrete pump manufacturers (PUTZMEISTER, SCHWING, etc.) dimensions.

Complementary information

Regular safety rule should be observed and the area around hose end should be evacuated during cleaning operation whenever pumping deviation occurs indicating air in the boom.

ID mm	Wall thickness mm		OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
102.0	13.0	±1.0	129.0 ±2.0	85	170	0.8	7.93	1	5603103	●
125.0	14.0	±1.0	154.0 ±2.0	85	170	0.8	10.25	1	5603247	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - PULSOR 170 L-WHIP - ND mm" - week/year - Made in France



PULSOR 170 ASSEMBLY

BUILDINGS & CONSTRUCTION

Concrete pump and placement

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

- Very high resistance of the hose gives 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: abrasion resistant NR, black, smooth.
Reinforcement: two steel cords plies for ID 51mm, four steel cords plies for other diameters.
Cover: abrasion and weather resistant NR, black, fabric impression.
Temperature range: -30°C to +80°C.

Couplings/Fittings

All the end fittings are nitrided steel and zinc plated.

Complementary information

PSV = Putzmeister, Schwing, Victaulic.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Type	Article number	Stock (●) or min. order m
76.0	13.0 ±0.8	102.0 ±2.0	85	170	0.8	320	6.33	3	1 PSV 3"	5513875	●
								4	1 PSV 3"	5513876	●
								5	1 PSV 3"	5513877	●
102.0	13.0 ±0.8	128.0 ±2.0	85	170	0.8	380	8.93	3	1 PSV 4"1/2	5513883	●
								4	1 PSV 4"1/2	5601589	●
								5	1 PSV 4"1/2	5513884	●
127.0	14.0 ±0.8	155.0 ±2.0	85	170	0.8	450	11.80	3	1 PSV 5"1/2	5601590	●
								4	1 PSV 5"1/2	5601648	●
								5	1 PSV 5"1/2	5601731	●

Tolerance on length: ±1% (ISO 1307 Standard).





PULSOR 170 ASSEMBLY 2 ENDS

BUILDINGS & CONSTRUCTION

Concrete pump and placement

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

- Very high resistance of the hose gives 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: abrasion resistant NR, black, smooth.
Reinforcement: two steel cords plies for ID 51mm, four steel cords plies for other diameters.
Cover: abrasion and weather resistant NR, black, fabric impression.
Temperature range: -30°C to +80°C.

Couplings/Fittings

All the end fittings are nitrided steel and zinc plated.

Complementary information

PSV = Putzmeister, Schwing, Victaulic.
 PUTZ = Putzmeister.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Type	Article number	Stock (●) or min. order m
51.0	10.0 ±0.6	71.0 ±1.5	85	170	0.8	230	3.76	5	2 PSV 3"	5513871	●
								10	2 PSV 3"	5513872	●
65.0	11.0 ±0.8	87.0 ±2.0	85	170	0.8	270	4.90	5	2 PSV 3"	5513873	●
								10	2 PSV 3"	5513874	●
76.0	13.0 ±0.8	102.0 ±2.0	85	170	0.8	320	7.23	3	2 PSV 3"	5513878	●
								4	2 PSV 3"	5513879	●
								5	2 PSV 3"	5513880	●
								6	2 PSV 3"	5513881	●
102.0	13.0 ±0.8	128.0 ±2.0	85	170	0.8	380	10.57	3	2 PSV 4"1/2	5601527	●
								4	2 PSV 4"1/2	5601528	●
								5	2 PSV 4"1/2	5513885	●
								5	2 PUTZ 4"	5513882	●
								6	2 PSV 4"1/2	5602063	●
127.0	14.0 ±0.8	155.0 ±2.0	85	170	0.8	450	13.80	6	2 PUTZ 4"	5601847	●
								3	2 PSV 5"1/2	5601530	●
								4	2 PSV 5"1/2	5601531	●
								5	2 PSV 5"1/2	5601730	●
								6	2 PSV 5"1/2	5601555	●
								10	2 PSV 5"1/2	5513886	●

Tolerance on length: ±1% (ISO 1307 Standard).





PULSOR 170 LIGHT

BUILDINGS & CONSTRUCTION

Concrete pump and placement

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

- From 15 to 25% less weight than steel reinforced hoses.
- 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: abrasion resistant NR, black, smooth.

Reinforcement: synthetic textile.

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

Temperature range: -30°C to +80°C.

Couplings/Fittings

Crimped 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	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
38.0	10.0	±0.8	58.0	±1.5	85	170	240	1.40	40	5513571	●
51.0	10.0	±0.8	71.0	±1.5	85	170	300	2.00	40	5513573	●
63.0	11.0	±1.0	85.0	±2.0	85	170	400	2.65	40	5513575	●
76.0	12.0	±1.0	100.0	±2.0	85	170	480	3.43	40	5513577	●
102.0	14.0	±1.0	130.0	±2.0	85	170	650	5.31	40	5513579	●
127.0	14.0	±1.0	155.0	±2.0	85	170	820	6.35	20	5513581	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - PULSOR 170 LIGHT - ND mm" - WP 85 bar/1250 PSI - week/year



PULSOR 200

BUILDINGS & CONSTRUCTION

Concrete pump and placement

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.
- Safety factor 2:1.

Technical description

Inner tube: abrasion resistant NR, black, smooth.

Reinforcement: two steel cords plies for ID≤65mm, four steel cords plies for ID≥76.2mm.

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

Temperature range: -30°C to +80°C.

Couplings/Fittings

Crimped 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	Article number	Stock (●) or min. order m
50.0	9.0 ±0.75	68.0 ±1.5	100	200	0.8	200	2.36	20	0060009	●
65.0	10.0 ±0.75	87.0 ±1.5	100	200	0.8	250	3.88	20	0060011	160
76.2	12.9 ±1.0	102.0 ±1.5	100	200	0.8	270	5.55	20	0125225	●
101.6	14.2 ±1.0	130.0 ±1.5	100	200	0.8	300	8.13	20	0060160	●
115.0	14.0 ±1.0	143.0 ±1.5	100	200	0.8	320	9.21	20	0094788	120
125.0	16.0 ±1.0	157.0 ±1.5	100	200	0.8	360	11.33	20	0060161	●
150.0	18.0 ±1.0	186.0 ±1.5	100	200	0.8	570	14.85	20	0060010	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed for ID from 50 to 65 mm: TRELLEBORG - PULSOR 200 - Made in France - month/year
 and embossed for ID from 76.2 to 150 mm: TRELLEBORG - PULSOR 200 - ND mm" - WP 100 bar/1450 PSI - Lbs/Ft - FWC - week/year

Digital version





BUILDINGS & CONSTRUCTION

Concrete pump and placement

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.
- Safety factor 2:1.

Technical description

Inner tube: wear abrasion resistant NR, black, smooth.

Reinforcement: four steel cords plies.

Cover: wear and weather resistant SBR/NR, black, fabric impression.

Temperature range: -30°C to +80°C.

Couplings/Fittings

Crimped couplings with dimensions according to VICTAULIC or flanges.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
200.0	24.0 ±2	248.0	100	250	0.8	1000	28.00	12	HO00382	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - PULSOR - MADE IN FRANCE - week/year





PULSOR 300

BUILDINGS & CONSTRUCTION

Concrete pump and placement

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.
- Safety factor 2:1.

Technical description

Inner tube: abrasion resistant NR, black, smooth.

Reinforcement: four steel cords plies.

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

Temperature range: -30°C to +80°C.

Couplings/Fittings

Crimped 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	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
102.0	14.0 ±1	131.0 ±2	150	300	420	9.60	40	5606435	160
125.0	16.5 ±1	158.0 ±2	150	300	480	13.32	40	5606434	80

Tolerance on length: ±1% (ISO 1307 Standard).





PULSOR COUPLING

Concrete hose coupling

BUILDINGS & CONSTRUCTION

Concrete pump and placement

Connection of PULSOR 200, PULSOR 170, PULSOR 170 L-WHIP and PULSOR 170 LIGHT.

Swaged couplings to fulfil the application of concrete pumps.

Advantages

- Fitting with "full flow".

Technical description

Working pressure:

- PULSOR 200 = 100bar,
- PULSOR 170, PULSOR 170 L-WHIP, PULSOR 170 LIGHT = 85bar.

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
	50	3"	3"	3"
	65	3"	3"	3"
	75	3"	3"	3"
	100	4"	4"	
	100		4"1/2	4"1/2
	100			Male
Concrete hose coupling OEM standard.	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"		

Lengths in bold = stock item. Other lengths = non stock (consult us for minimum quantity of order).





BUILDINGS & CONSTRUCTION

Concrete pump and placement

Lay flat hose for concrete bucket (skip).
For discharge to concrete form.

Advantages

- Coil flat for easy storage and handling.
- Lightweight hose.
- Excellent resistance to wear, abrasion and weather.
- Abrasion resistance of tube <math><100\text{mm}^3</math>.

Technical description

Inner tube: NR/SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: NR/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	Article number	Stock (●) or min. order m
152.0	4.2	160.4	3	10	1.95	40	5513541	●
203.0	4.5	212.0	3	10	3.80	40	5513542	●
254.0	4.5	263.0	3	10	4.70	40	5513543	●

Tolerance on length: ±1% (ISO 1307 Standard).





BUILDINGS & CONSTRUCTION

Concrete vibrator

Protection of cables between engine and vibrating head in concrete vibrators.
Used to drive compressed air stream to vibrating body.

Advantages

- Kink resistant construction.
- Resistance to elongation.

Technical description

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

Reinforcement: high tensile textile cord.

Cover: SBR/CR, black, fabric impression, abrasion, ozone and weather resistant.

Temperature range: -30°C to +80°C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	6.0 ±0.5	31.0	10	40	100	0.62	40	5513544	200
25.0	7.0 ±0.5	39.0	10	40	125	0.95	40	5513545	200

Tolerance on length: ±1% (ISO 1307 Standard).





MUD EXTRACTOR 16-48

BUILDINGS & CONSTRUCTION

Tunnelling and foundations

Mud suction and discharge hose.
Suction and discharge of water, dewatering sludge, bentonite and emulsion of drilling mud such as heavy liquid, abrasive and charged with large particles.
Specially designed for drilling, foundation technics and tunnel constructions.
Perfectly suited for applications on reel like tunneling.

Advantages

- Flexible and easy to handle.
- Resistant to strong manipulations.
- Abrasion resistant.

Technical description

Inner tube: abrasion resistant SBR/NR, black, smooth.
Reinforcement: synthetic plies with embedded steel helix.
Cover: weather resistant SBR, black, fabric impression.
Temperature range: -30°C to +70°C.

Couplings/Fittings

Hose can be delivered equipped with fittings (flange, Victaulic type, etc.) mounted with safety clamps or crimped.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
50.0	8.0	66.0	16	48	200	1.94	40	59008610	●
75.0	8.0	91.0	16	48	350	3.12	40	59008611	●
80.0	8.0	96.0	16	48	450	3.30	40	59008612	●
102.0	9.0	120.0	16	48	500	4.49	20	59008613	●
							40	59008614	●
127.0	9.0	145.0	16	48	600	5.83	20	59008615	●
							40	59008616	●
152.0	11.0	174.0	16	48	800	8.80	20	59008617	●
							40	59008618	●
203.0	12.5	228.0	16	48	1000	14.58	20	59008619	●

Tolerance on length: ±1% (ISO 1307 Standard).












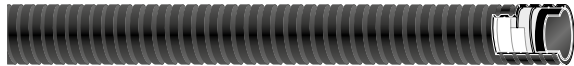
Mounted with safety clamp

Mounted with safety clamp

Mounted by crimping



Evacuation and material handling hoses

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	TRELLVAC Extractor LD	70
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ZEPHIR S

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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.

ID mm	Wall thickness mm	OD mm	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
30.0	±1.5	4.5 ±0.75	39.0 ±1.5	0.8	150	0.50	10	0126702	10
35.0	±1.5	4.5 ±0.75	44.0 ±1.5	0.8	175	0.57	10	0123919	10
40.0	±1.5	4.5 ±0.75	49.0 ±1.5	0.8	200	0.63	10	0074118	□
50.0	±1.5	4.5 ±1.0	59.0 ±2.0	0.8	250	0.79	10	0201844	●
60.0	±1.5	4.5 ±1.0	69.0 ±2.0	0.8	300	0.90	10	0201845	10
70.0	±1.5	4.5 ±1.0	79.0 ±2.0	0.8	350	1.02	10	0074130	20
80.0	±1.5	5.5 ±1.0	91.0 ±2.0	0.8	400	1.46	10	0201846	●
100.0	±1.5	5.5 ±1.0	111.0 ±2.0	0.8	500	1.79	10	0201847	●
105.0	±1.5	5.5 ±1.0	116.0 ±2.0	0.8	525	1.84	10	0070668	20
115.0	±1.5	5.5 ±1.0	126.0 ±2.0	0.8	575	2.00	10	0070553	20
125.0	±1.5	5.5 ±1.0	136.0 ±2.0	0.8	625	2.23	10	0095689	●
150.0	±1.5	7.0 ±1.0	164.0 ±2.0	0.8	750	3.76	10	0202128	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLVAC Extractor LD

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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 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.

ID mm	OD mm	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
38.0	44.5 ±1.0	0.9	45	0.62	12	0025890	●
51.0	57.5 ±1.0	0.9	70	0.81	12	0025908	●
63.0	70.0 ±1.0	0.9	95	0.87	12	0025916	●
76.0	83.5 ±1.0	0.9	115	1.04	12	0025932	●
90.0	97.5 ±1.0	0.9	125	1.22	12	0025965	●
102.0	110.5 ±1.0	0.9	145	1.57	12	0025973	●
113.0	121.5 ±1.5	0.9	155	1.73	12	0025981	●
127.0	135.5 ±1.5	0.7	170	1.93	12	0026005	●
152.0	160.5 ±1.5	0.4	195	2.30	12	0026013	●
178.0	186.5 ±1.5	0.25	220	2.68	12	0026021	12
204.0	212.5 ±1.5	0.15	245	3.06	12	0026039	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLVAC Extractor HD

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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.

ID mm	OD mm	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
38.0	47.0 ±1.5	0.9	50	0.73	12	0124823	●
51.0	60.0 ±1.5	0.9	75	0.96	12	0129711	●
63.0	72.0 ±1.5	0.9	100	1.13	12	0124849	●
76.0	85.0 ±1.5	0.9	120	1.37	12	0124825	●
102.0	111.0 ±1.5	0.9	150	1.85	12	0125779	●
127.0	136.0 ±1.5	0.7	175	2.33	12	0124828	●
152.0	161.0 ±1.5	0.4	200	2.77	12	0124829	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLVAC Handler LD

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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: conductive tube and cover, R<10MΩ/l, helix must be connected with couplings.



Complementary information

OD measured on top of corrugation.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
51.0	61.0 ±1.5	5	15	0.9	85	1.00	20	5500748	320
							40	2914510	●
60.0	70.0 ±1.5	5	15	0.9	105	1.15	20	5500749	120
							40	2914520	120
63.0	73.0 ±1.5	5	15	0.9	110	1.22	20	5500750	120
							40	2891580	●
76.0	86.5 ±1.5	5	15	0.9	135	1.50	20	5500751	120
							40	2913940	●

Tolerance on length: ±1% (ISO 1307 Standard).





TRELLVAC Handler MD

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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.

Complementary information

OD measured on top of corrugation.

ID mm	OD mm	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
51.0	63.0 ±1.5	0.9	300	1.13	12	5501133	36
76.0	89.0 ±1.5	0.9	350	1.81	12	1776690	●
102.0	115.0 ±1.5	0.9	400	2.65	12	1776700	●
127.0	141.0 ±1.5	0.9	500	3.46	12	1973590	●
152.0	166.0 ±1.5	0.9	600	4.23	12	1776710	●
178.0	191.0 ±1.5	0.9	700	4.95	12	2303130	12
204.0	219.0 ±1.5	0.9	800	6.45	12	1776720	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLVAC Handler HD

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
102.0	118.0 ±1.6	5	15	0.9	400	3.10	20	5513135	●
							40	2227830	●
127.0	143.0 ±1.6	5	15	0.9	500	3.80	20	5513136	●
							40	1580400	●
152.0	168.0 ±2.0	5	15	0.9	600	4.55	20	5513137	●
204.0	225.0 ±2.0	1.5	4.5	0.9	800	8.20	12	1869200	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLVAC AL EC

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

Extraction and transport hose for bulk abrasive products for the food industry (sugar, grains, flour, milk powder, cattle feed, etc.) and chemicals (PVC, dry stuffs, etc.).

Advantages

- Can be used in ATEX areas: 0, 1, 2 and 20, 21, 22.
- Non-marking, abrasion resistant cover.
- Conductive tube and cover considerably extend service life especially for transfer at high speeds.

Technical description

Inner tube: foodgrade abrasion resistant NBR, white, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: wear and weather resistant NBR/PVC, green, corrugated.
Temperature range: -10°C to +80°C.
Electrical properties: conductive tube and cover, R<100MΩ/lg, helix must be connected with couplings.



Standard/Approval:

EU regulations No. 1935/2004, 2023/2006.
 FDA regulation No. 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.
 Max. vacuum as per ISO 7233.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
51.0	66.0 ±1.5	5	15	0.9	125	1.43	20	5513945	●
63.0	78.0 ±1.5	5	15	0.9	160	1.76	20	5513946	●
76.0	91.0 ±1.5	5	15	0.9	190	2.10	20	5513947	●
89.0	104.0 ±1.5	5	15	0.9	240	2.48	20	5513948	●
102.0	117.0 ±1.5	5	15	0.9	280	2.82	20	5513949	●
110.0	125.0 ±1.5	5	15	0.9	330	3.04	20	5513950	80
125.0	140.0 ±2.0	5	15	0.9	375	3.39	10	5513951	●
150.0	166.0 ±2.0	5	15	0.9	450	4.69	10	5513952	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year



TRELLVAC Transporter HD

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

Transport hose for vacuum cleaning trucks and 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.



ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
51.0	64.0 ±1.0	5	15	0.9	210	1.70	20	5500753	120
							40	5500752	●
63.0	75.5 ±1.0	5	15	0.9	250	2.00	20	5500755	120
							40	5500754	●
76.0	90.0 ±1.5	5	15	0.9	300	2.70	20	5500757	160
							40	5500756	●
90.0	104.0 ±1.5	5	15	0.9	350	3.20	20	5500759	120
							40	5500758	●
102.0	117.0 ±1.5	5	15	0.9	400	3.60	20	5500761	160
							40	5500760	●
110.0	124.0 ±2.0	5	15	0.9	430	3.90	20	5500763	120
							40	5500762	●
115.0	131.0 ±2.0	5	15	0.9	450	4.30	20	5500765	120
							40	5500764	●
127.0	143.0 ±2.0	3	10	0.9	510	5.00	20	5500767	●
							40	5500766	●
140.0	156.0 ±2.0	3	10	0.9	580	6.20	20	5500769	40
							40	5500768	40
152.0	168.0 ±2.0	3	10	0.9	640	5.70	20	5500771	●
							40	5500770	●
165.0	182.0 ±2.0	3	10	0.9	700	7.20	10	5500772	40
204.0	222.0 ±2.0	3	10	0.9	820	10.00	10	5501132	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELIVAC Excavator

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

Working hose specially designed for suction excavators.

Advantages

- Long lifespan thanks to the high quality NR tube and its large thickness.
- Easy replacement of the hose thanks to 254mm diameter.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: SBR/NR, black, corrugated.

Temperature range: -30°C to +80°C.

Electrical properties: conductive tube and cover for 70ShA tube.



Couplings/Fittings

Cuffed ends, length 70mm.

Complementary information

40ShA tube: excellent hose flexibility.

70ShA tube: excellent abrasion and tear resistance (transport of sharp-edged stones).

Hoses are delivered in straight length, on pallet.

ID mm	OD mm	Max. vacuum bar	Bending radius mm	Weight kg/lg	Length m	Type	Article number	Stock (●) or min. order m
254.0 ±1.5	302.0	0,9	500	173.00	6.9	70ShA	5513548	●
				200.00	7.9	70ShA	5513549	●
	307.0			140.00	5.3	40ShA	5513546	●
				181.00	6.9	40ShA	5513547	●

Tolerance on length: ±1% (ISO 1307 Standard).

70ShA



40ShA



and embossed: week/year



ASPIVRAC S

CONSTRUCTION & MINING EQUIPMENT

Evacuation and material handling hoses

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.

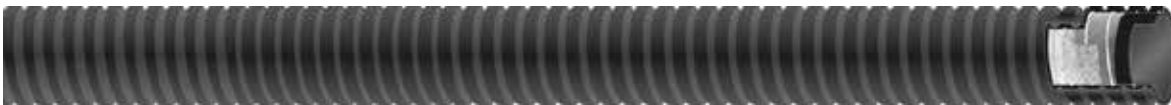
Technical description

Inner tube: wear resistant NR, black, smooth.
Reinforcement: synthetic textile cords with embedded steel helix.
Cover: weather resistant NR, black, corrugated.
Temperature range: -30°C to +80°C.
Electrical properties: conductive tube and cover, R<1MΩm/m.



ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
50.0 ±1.5	8.0 ±1.0	66.0 ±2.0	1.5	4.5	0.8	100	1.91	10	0061603	40
								20	0061604	●
60.0 ±1.5	8.0 ±1.0	76.0 ±2.0	1.5	4.5	0.8	120	2.46	10	0122616	40
								20	0122624	40
70.0 ±1.5	8.0 ±1.0	86.0 ±2.0	1.5	4.5	0.8	140	2.81	10	0122651	40
								20	0122699	40
75.0 ±1.5	8.0 ±1.0	91.0 ±2.0	1.5	4.5	0.8	150	3.02	10	0061605	40
								20	0061606	●
80.0 ±1.5	8.0 ±1.0	96.0 ±2.0	1.5	4.5	0.8	160	3.16	10	0061607	●
								20	0061608	●
90.0 ±1.5	8.0 ±1.0	106.0 ±2.0	1.5	4.5	0.8	180	3.46	10	0061609	●
								20	0061610	40
100.0 ±1.5	8.0 ±1.0	116.0 ±2.0	1.5	4.5	0.8	200	3.80	10	0061611	●
								20	0061612	●
110.0 ±1.5	8.0 ±1.0	126.0 ±2.0	1.5	4.5	0.8	220	4.15	10	0061613	40
								20	0061614	●
125.0 ±1.5	9.0 ±1.0	143.0 ±2.0	1.5	4.5	0.8	250	5.28	10	0061615	●
								20	0061616	●
150.0 ±1.5	8.5 ±1.0	167.0 ±2.0	1.5	4.5	0.8	300	6.26	10	0061617	●
								20	0061618	●
200.0 ±1.5	13.0 ±1.5	226.0 ±2.5	1.5	4.5	0.8	400	8.92	10	0061619	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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≤400mm, four steel cords for ID≥450mm.

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 are fitted with END-FLEX® flanges (fitted hoses are allowed to work with pressure mentioned in the table).

ID mm	OD mm	Tube thickness mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Min. length m	Max. length m	Stock (●) or min. order m
100.0 -0/+1	126.0 ±1.5	6	10	30	700	6.75	0.5	15	*
125.0 -0/+1	155.0 ±2	8	10	30	870	9.39	0.5	12	*
150.0 -0/+1	180.0 ±2	8	10	30	1050	11.06	0.5	12	*
175.0 -0/+1	205.0 ±2	8	10	30	1220	12.71	0.5	10	*
200.0 -0/+2	234.0 ±2	10	10	30	1400	16.12	0.5	12	*
250.0 -0/+2	283.0 ±2	10.4	10	30	1750	20.05	1	12	*
300.0 -0/+2	333.0 ±2.5	10.4	10	30	2100	23.76	1	12	*
350.0 -0/+2	390.0 ±3	12.4	10	30	2450	33.84	1.5	12	*
400.0 -0/+2	440.0 ±3	12.4	10	30	2800	38.33	1.5	12	*
450.0 -0/+2	508.0 ±3	12.4	10	30	3600	64.30	2	12	*
500.0 -0/+2	558.0 ±3	12.4	10	30	4000	70.90	2	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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).

Hose is ATEX approved for dimensions above 40mm.



Couplings/Fittings

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure:

ID ≤ 150mm:
10bar.

ID > 150mm:
- 10bar for static application (no hose movement, no water hammer, no traction) and/or temperature max < 40°C,
- 5bar for dynamic application and/or temperature > 40°C.

Complementary information

Low stretch under 10bar working pressure.

Lengths are stocked in 20 or 12m, 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	Article number	Stock (●) or min. order m
25.0	53.0 ±2	5.6	10	30	0.9	125	1.97	20	0128511	●
32.0	60.0 ±2	5.6	10	30	0.9	160	2.33	20	0128512	●
40.0	73.0 ±2	8.5	10	30	0.9	200	3.37	20	0128513	●
50.0	83.0 ±2	8.5	10	30	0.9	250	4.04	20	0061620	●
65.0	98.0 ±2	8.5	10	30	0.9	325	4.99	20	0061621	●
80.0	113.0 ±2	8.5	10	30	0.9	400	5.90	20	0061622	●
100.0	133.0 ±2	8.5	10	30	0.9	500	7.12	20	0061623	●
125.0	158.0 ±2	8.5	10	30	0.9	750	8.72	20	0061624	●
150.0	183.0 ±2	8.5	10	30	0.9	1050	10.20	20	0061625	●
200.0	234.5 ±2	8.5	10	30	0.9	1600	14.31	12	0061626	●
250.0	285.5 ±2	8.5	10	30	0.9	2000	18.90	12	0061627	●
300.0	340.5 ±2	8.5	10	30	0.9	2500	25.30	12	0061628	●
350.0	391.0 ±3	8.5	10	30	0.9	3100	31.47	12	5501488	●
400.0	441.0 ±3	8.5	10	30	0.9	4000	36.39	12	5601787	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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 ≤ 150mm: 10bar.
- ID > 150mm: - 10bar for static application (no hose movement, no water hammer, no traction) and/or temperature max <40°C, - 5bar for dynamic application and/or temperature >40°C.

Complementary information

Low stretch under 10bar working pressure. Lengths are stocked in 20 or 12m, ask 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	Article number	Stock (●) or min. order m
25.0	53.0 ±2	5.6	10	30	0.9	125	1.90	20	0128521	20
32.0	60.0 ±2	5.6	10	30	0.9	160	2.25	20	0128531	20
40.0	73.0 ±2	8.5	10	30	0.9	200	3.19	20	0128532	20
50.0	83.0 ±2	8.5	10	30	0.9	250	3.58	20	0061629	●
65.0	98.0 ±2	8.5	10	30	0.9	325	4.44	20	0061630	●
80.0	113.0 ±2	8.5	10	30	0.9	400	5.24	20	0061631	●
100.0	133.0 ±2	8.5	10	30	0.9	500	6.32	20	0061632	●
125.0	158.0 ±2	8.5	10	30	0.9	750	7.68	20	0061633	●
150.0	183.0 ±2	8.5	10	30	0.9	1050	8.98	20	0061634	80
200.0	234.5 ±2	8.5	10	30	0.9	1600	14.46	12	0122700	36
250.0	285.5 ±2	8.5	10	30	0.9	2000	16.78	12	0122746	36
300.0	340.5 ±2	8.5	10	30	0.9	2500	23.53	12	0122757	12
350.0	391.0 ±3	8.5	10	30	0.9	3100	30.23	12	5513022	12

Tolerance on length: ±1% (ISO 1307 Standard).



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PERFORMER AL EC

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

Extraction and transport hose for bulk abrasive products for the food industry (sugar, grains, flour, milk powder, cattle feed, etc.) and chemicals (PVC, dry stuffs, etc.).

Advantages

- Can be used in ATEX areas: 0, 1, 2 and 20, 21, 22.
- Non-marking, abrasion resistant cover.
- Conductive tube and cover considerably extend service life especially for transfer at high speeds.

Technical description

Inner tube: foodgrade abrasion resistant NBR, white, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: wear and weather resistant NBR/PVC, green, corrugated.
Temperature range: -10°C to +80°C.
Electrical properties: conductive tube and cover, R<100MΩ/lg, helix must be connected with couplings.



Standard/Approval:

EU regulations No. 1935/2004, 2023/2006.
 FDA regulation No. 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

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure: 10bar.

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	Article number	Stock (●) or min. order m
50.0	83.0 ±2	8.5	10	30	0.9	150	4.20	20	5513164	●
65.0	98.0 ±2	8.5	10	30	0.9	200	5.41	20	5513165	●
80.0	113.0 ±2	8.5	10	30	0.9	240	6.70	20	5513166	●
100.0	133.0 ±2	8.5	10	30	0.9	300	7.49	20	5513167	●
125.0	158.0 ±2	8.5	10	30	0.9	500	9.13	20	5513168	●
150.0	183.0 ±2	8.5	10	30	0.9	600	10.69	20	5513169	●

Tolerance on length: ±1% (ISO 1307 Standard).



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CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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).

Hose is ATEX approved for dimensions above 40mm.



Couplings/Fittings

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure:

ID ≤ 150mm:
10bar.

ID > 150mm:
- 10bar for static application (no hose movement, no water hammer, no traction) and/or temperature max < 40°C,
- 5bar for dynamic application and/or temperature > 40°C.

Complementary information

Low stretch under 10bar working pressure.

Lengths are stocked in 20 or 12m, ask 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	Article number	Stock (●) or min. order m
25.0	53.0 ±2	5.6	10	30	0.9	125	2.37	20	0127950	20
32.0	60.0 ±2	5.6	10	30	0.9	160	2.79	20	0127951	20
40.0	73.0 ±2	8.5	10	30	0.9	200	4.07	20	0127952	20
50.0	83.0 ±2	8.5	10	30	0.9	250	4.39	20	0094968	40
65.0	98.0 ±2	8.5	10	30	0.9	325	4.91	20	0094233	40
80.0	113.0 ±2	8.5	10	30	0.9	400	5.58	20	0094969	40
100.0	133.0 ±2	8.5	10	30	0.9	500	7.10	20	0094290	●
125.0	158.0 ±2	8.5	10	30	0.9	750	9.00	20	0128405	40
150.0	183.0 ±2	8.5	10	30	0.9	1050	10.18	20	0094459	40
200.0	234.5 ±2	8.5	10	30	0.9	1600	14.28	12	0126597	36
250.0	285.5 ±2	8.5	10	30	0.9	2000	17.50	12	0126600	36
300.0	340.5 ±2	8.5	10	30	0.9	2500	25.16	12	0126603	12

Tolerance on length: ±1% (ISO 1307 Standard).



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CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

WIS device

Description	ID hose mm	Article number	Notes
<ul style="list-style-type: none"> • Electronic sensor to monitor hose wear. • Network subscription, cloud and e-mail alert included for a 3 year period. • Battery Lithium 3,6V rated for minimum 3 years of operation. Working conditions (temperature, LED functioning) can reduce lifespan. 		5122016	

Kit 2 special gaskets

Description	ID hose mm	Article number	Notes
Special gasket for BLOC-END® and WIS. Stainless steel rings to connect WIS device to the hose. 	50	5104033	
	65	5104034	
	80	5104035	
	100	5104036	
	125	5104037	
	150	5104038	

PERFORMER GL AD10H WIS

Description	ID hose mm	Article number	Notes
Specific version of PERFORMER GL AD10H with WIS option. Copper wires integrated into at 80% of the inner tube to monitor hose wear.	50	5513939	
	65	5513940	
	80	5513941	
	100	5513942	
	125	5513943	
	150	5513944	





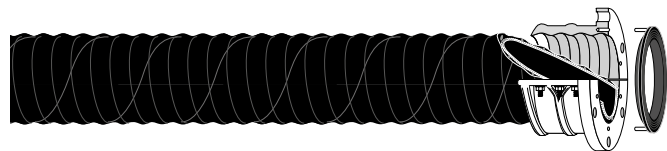
PERFORMER BLOC-END® COUPLING

Coupling for material handling hoses

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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.

Working pressure:

- ID≤150mm: 10bar,
- ID>150mm: 10bar for static application (no hose movement, no water hammer, no traction) and/or temperature max <40°C ; 5bar for dynamic application and/or temperature >40°C.



Complete BLOC-END® coupling. With half shells, gasket and bolts/nuts/washers.			Spare part-kit. 2 half shells without gaskets and bolts.		Spare part-kit. 2 gaskets.		Bolt, including nut and washer.		
PN10/PN20			PN10/PN20		PN10/PN20		Number of bolts	Article number /piece	Notes
ID hose mm	Article number	Notes	Article number	Notes	Article number	Notes			
25	5103109 *		0195500		5103110		4	5103113	
32	5103111 *		0195501		5103112		4	5103113	
40	0117042		0116890		0116966		4	0111322	
50	0117043		0116891		0116967		4	0111322	
65	0117044		0116893		0116968		4	0111322	
80	0117045		0116895		0116969		4	0111322	
100	0117046		0116897		0116970		4	0111322	
125	0117047		0116899		0116971		4	0111322	
150	0117048		0116901		0116972		4	0111322	
200	0117049		0116902		0116973		6	0111322	
250	0118093		0118089		0118087		6	0111322	
300	0118095		0118091		0118088		6	0111322	
350	5101097 *		5100847		5100848		6	5102957	
400	5102956		5102955		5102953		6	5102957	

Article numbers in bold = stock item. Other article numbers = non stock (consult us).

* Only PN10 for ID 25, 32 and 350mm.



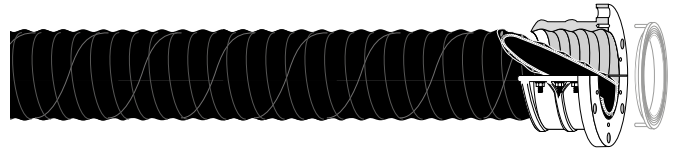
CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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.
Working pressure: 10bar,



Complete BLOC-END® coupling. With half shells, gasket and bolts/nuts/washers.			Spare part-kit. 2 half shells without gaskets and bolts.		Spare part-kit. 2 gaskets.		Bolt, including nut and washer.		
PN10/PN20			PN10/PN20		PN10/PN20		Number of bolts	Article number /piece	Notes
ID hose mm	Article number	Notes	Article number	Notes	Article number	Notes			
50	5122315		0116891		5104039		4	0111322	
65	5122316		0116893		5104040		4	0111322	
80	5121317		0116895		5104041		4	0111322	
100	5122318		0116897		5104042		4	0111322	
125	5122319		0116899		5104043		4	0111322	
150	5122320		0116901		5104044		4	0111322	

Article numbers in bold = stock item. Other article numbers = non stock (consult us).



CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

Hydraulic suction or discharge of highly abrasive material.

Advantages

- At least 10 times longer lifespan compared to a rubber hose.
- 4 to 5 times more flexible than market standard ceramic hoses.
- Quick and easy installation:
 - Hoses can be cut to length on site without specific toolings.
 - Very easy BLOC-END® coupling installation.
 - 30 to 60% lighter weight compared to market standard ceramic hoses.

Technical description

Inner tube: Al2O3,92% ceramic tiles embedded into a NR tube, black.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, black, corrugated, fabric impression.

Temperature range: -30°C to +70°C.

Couplings/Fittings

Hoses are fitted with BLOC-END® and must be used to the following maximum working pressure:

ID≤150mm: 10bar,

ID>150mm:

10bar for static application (no hose movement, no water hammer, no traction) and/or temperature max <40°C,
5bar for dynamic application and/or temperature >40°C.

Complementary information

Hoses are manufactured and delivered in custom length.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
50.0	83.0	±2	10	30	0.9	200	4.80	10	5606036	10
65.0	98.0	±2	10	30	0.9	300	5.80	10	5606037	□
80.0	113.0	±2	10	30	0.9	350	6.70	10	5606038	□
100.0	133.0	±2	10	30	0.9	400	8.20	10	5606039	10
125.0	158.0	±2	10	30	0.9	600	10.10	10	5606040	□
150.0	183.0	±2	10	30	0.9	700	11.90	10	5606041	□
200.0	234.5	±2	10	30	0.9	1300	16.70	10	5606042	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).





PERFORMER AD10H

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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 cuffed ends,
- 1 cuff + 1 END-FLEX® flange,
- 2 enlarged or smooth cuffs.

Hoses are fitted with END-FLEX® flanges (fitted hoses are allowed to work with pressure and vacuum mentioned in the table).

Complementary information

Low stretch under 10bar 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	Min. length m	Max. length m	Stock (●) or min. order m
25.0	53.0	±2	10	30	0.9	125	2.13	0.5	20	*
32.0	60.0	±2	10	30	0.9	160	2.56	0.5	20	*
40.0	73.0	±2	10	30	0.9	200	3.53	0.5	20	*
50.0	83.0	±2	10	30	0.9	250	4.20	0.5	20	*
65.0	98.0	±2	10	30	0.9	325	5.05	0.5	20	*
75.0	108.0	±2	10	30	0.9	375	5.65	0.5	20	*
80.0	113.0	±2	10	30	0.9	400	5.94	0.5	20	*
100.0	133.0	±2	10	30	0.9	500	7.33	0.5	20	*
125.0	158.0	±2	10	30	0.9	750	8.64	0.5	20	*
150.0	183.0	±2	10	30	0.9	1050	10.38	0.5	20	*
175.0	208.0	±2	10	30	0.9	1300	11.93	0.5	10	*
200.0	234.5	±2	10	30	0.9	1600	14.59	0.5	12	*
250.0	285.5	±2	10	30	0.9	2000	17.50	1	12	*
300.0	340.5	±2	10	30	0.9	2500	24.77	1	12	*
350.0	391.0	±3	10	30	0.9	3000	30.62	1.5	12	*
400.0	441.0	±3	10	30	0.9	4000	35.96	1.5	12	*
500.0	548.0	±3	10	30	0.9	5000	53.35	2	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





PERFORMER AD10P

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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 10bar 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	Min. length m	Max. length m	Stock (●) or min. order m	
25.0	53.0	±2	5.6	10	30	0.9	125	2.08	0.5	20	*
32.0	60.0	±2	5.6	10	30	0.9	160	2.50	0.5	20	*
40.0	73.0	±2	8.5	10	30	0.9	200	3.38	0.5	20	*
50.0	83.0	±2	8.5	10	30	0.9	250	4.02	0.5	20	*
65.0	98.0	±2	8.5	10	30	0.9	325	4.83	0.5	20	*
75.0	108.0	±2	8.5	10	30	0.9	375	5.41	0.5	20	*
80.0	113.0	±2	8.5	10	30	0.9	400	5.67	0.5	20	*
100.0	133.0	±2	8.5	10	30	0.9	500	7.01	0.5	20	*
125.0	158.0	±2	8.5	10	30	0.9	750	8.23	0.5	20	*
150.0	183.0	±2	8.5	10	30	0.9	1050	9.86	0.5	20	*
175.0	208.0	±2	8.5	10	30	0.9	1300	11.32	0.5	10	*
200.0	234.5	±2	8.5	10	30	0.9	1600	13.87	0.5	12	*
250.0	285.5	±2	8.5	10	30	0.9	2000	17.65	1	12	*
300.0	340.5	±2	8.5	10	30	0.9	2500	24.96	1	12	*
350.0	391.0	±3	8.5	10	30	0.9	3000	30.73	1.5	12	*
400.0	441.0	±3	8.5	10	30	0.9	4000	36.20	1.5	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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 cuffed ends,
- 1 cuff + 1 END-FLEX® flange,
- 2 enlarged or smooth cuffs.

Hoses are fitted with END-FLEX® flanges (fitted hoses are allowed to work with pressure and vacuum mentioned in the table).

Complementary information

Low stretch under 10bar 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	Min. length m	Max. length m	Stock (●) or min. order m
25.0	53.0 ±2	5.6	10	30	0.9	125	2.21	0.5	20	*
32.0	60.0 ±2	5.6	10	30	0.9	160	2.65	0.5	20	*
40.0	73.0 ±2	8.5	10	30	0.9	200	3.19	0.5	20	*
50.0	83.0 ±2	8.5	10	30	0.9	250	4.24	0.5	20	*
65.0	98.0 ±2	8.5	10	30	0.9	325	5.15	0.5	20	*
75.0	108.0 ±2	8.5	10	30	0.9	375	5.78	0.5	20	*
80.0	113.0 ±2	8.5	10	30	0.9	400	6.06	0.5	20	*
100.0	133.0 ±2	8.5	10	30	0.9	500	7.32	0.5	20	*
125.0	158.0 ±2	8.5	10	30	0.9	750	8.66	0.5	20	*
150.0	183.0 ±2	8.5	10	30	0.9	1050	10.18	0.5	20	*
175.0	208.0 ±2	8.5	10	30	0.9	1300	11.70	0.5	10	*
200.0	234.5 ±2	8.5	10	30	0.9	1600	14.30	0.5	12	*
250.0	285.5 ±2	8.5	10	30	0.9	2000	17.50	1	12	*
300.0	340.5 ±2	8.5	10	30	0.9	2500	24.82	1	12	*
350.0	391.0 ±3	8.5	10	30	0.9	3000	29.44	1.5	12	*
400.0	441.0 ±3	8.5	10	30	0.9	3400	34.51	1.5	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



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Digital version





PERFORMER AD20S

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

Hydraulic suction or discharge of abrasive materials.

Advantages

- Excellent resistance to abrasion (very thick tube).
- 20bar working pressure.
- Low installation costs.
- Suppression of pressure surges.
- Damping of vibrations and noise.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: metallic 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 are fitted with END-FLEX® flanges (fitted hoses are allowed to work with pressure and vacuum mentioned in the table).

Complementary information

Low stretch under 20bar working pressure.

ID mm	OD mm	Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Min. length m	Max. length m	Stock (●) or min. order m
150.0	196.0 ±1.5	9.2	20	60	0.9	1050	16.72	0.5	12	*
200.0	252.0 ±2	11.2	20	60	0.9	1600	24.97	0.5	12	*
225.0	276.0 ±2.5	11.2	20	60	0.9	1800	27.71	1	10	*
250.0	306.0 ±2.5	13.2	20	60	0.9	2000	33.85	1	12	*
300.0	356.0 ±2.5	13.2	20	60	0.9	2500	39.88	1	12	*
350.0	407.0 ±3	13.2	20	60	0.9	3000	49.26	1.5	12	*
400.0	457.0 ±3	13.2	20	60	0.9	4000	55.72	1.5	12	*
450.0	511.0 ±3	13.2	20	60	0.9	4500	64.01	1.5	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

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.

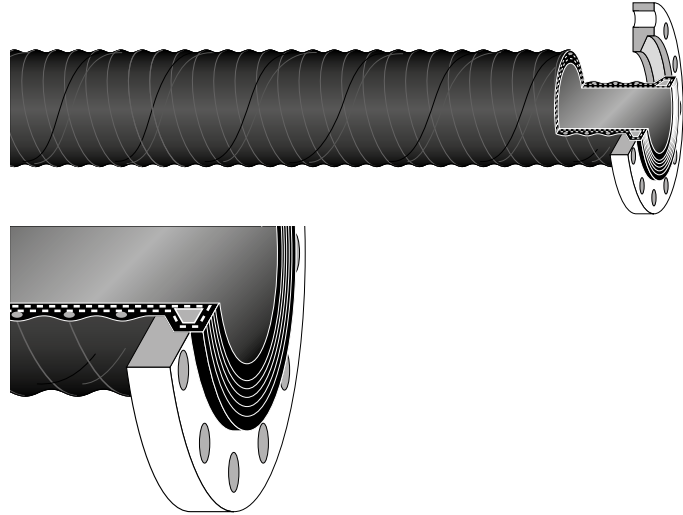
Flange assembly:

- 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

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.



ID hose mm	PN10			PN16			PN20 (ASA150)		
	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.



ABRA 10 SLURRY

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

Hydraulic suction and discharge of abrasive products.

Technical description

Inner tube: wear resistant NR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: wear resistant NR/SBR, black, smooth fabric impression.

Temperature range: -30°C to +70°C.

Electrical properties: conductive tube, R<1MΩ/m.

Couplings/Fittings

Special half shelves coupling.

ID mm	OD mm	Tube thickness mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
50.0	70.0	5	10	30	0.9	250	3.00	20	5513746	●
75.0	96.0	5	10	30	0.9	375	4.00	20	5513747	●
100.0	123.0	5	10	30	0.9	500	6.00	20	5513748	●
125.0	150.0	5	10	30	0.9	650	7.50	20	5513749	●
150.0	174.0	5	10	30	0.9	900	8.00	20	5513750	●
200.0	230.0	6	10	30	0.9	1400	12.00	10	5513751	●
250.0	282.0	6	5	15	0.9	1750	17.00	10	5513752	●
300.0	336.0	8	5	15	0.9	2100	22.00	10	5513753	●
350.0	386.0	8	5	15	0.9	2750	26.00	10	5513754	●
400.0	436.0	8	5	15	0.9	3500	30.00	10	5513755	●

Tolerance on length: ±1% (ISO 1307 Standard).



250-400mm



50-200mm



ABRA 10 SLURRY COUPLING

Coupling for material handling hoses

CONSTRUCTION & MINING EQUIPMENT

Abrasive materials hydraulic and pneumatic handling

Connection of the ABRA 10 SLURRY.

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≤200mm: WP 10bar.
 ID>250mm: WP 5bar.



Complete coupling. With half shells, gasket and bolts/nuts/washers.			Spare part-kit. 2 half shells without gaskets and bolts.		Spare part-kit. 1 gasket.		Bolt, including nut and washer.
PN10/PN20			PN10/PN20		PN10/PN20 (ASA150)		
ID hose mm	Article number	Notes	Article number	Notes	Article number	Notes	Notes
50	5513784		5103820		5103791		
75	5513785		5103821		5103792		
100	5513786		5103822		5103793		
125	5513787		5103823		5103794		
150	5513788		5103824		5103795		
200	5513789		5103825		5103796		
250	5513790		5103826		5103797		
300	5513791		5103827		5103798		
350	5513792 *		5103828		5103799		
400	5513793		5103829		5103800		

Article numbers in bold = stock item. Other article numbers = non stock (consult us).
 * Only PN10 for ID 350mm.



Breathing air



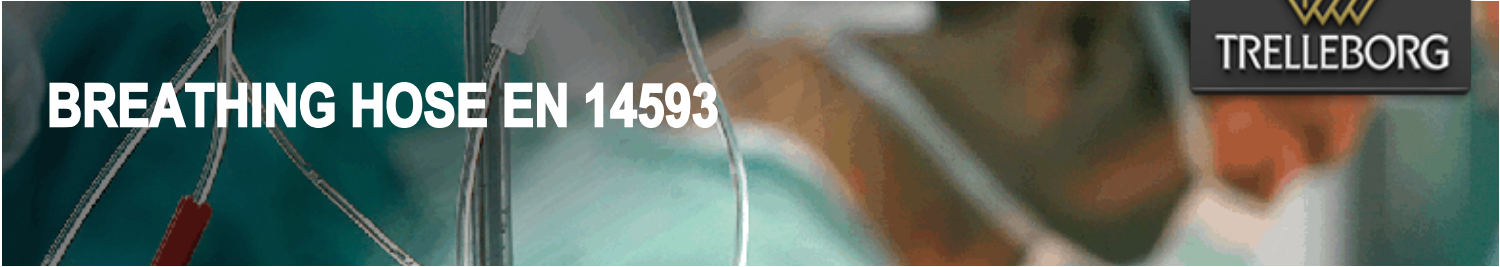
BREATHING HOSE - EN 14593-1/14594 - H.S.F. - HEAT RESISTANT - ANTISTATIC - Made in France



BREATHING HOSE - EN 14593-1/14594 - H.S.F. - HEAT RESISTANT - ANTISTATIC - Made in France

BREATHING HOSE EN 14593

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BREATHING HOSE EN 14593

HEALTHCARE & MEDICAL

Breathing air

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 7.2mm, black or green for ID 9.5mm, green for ID 20mm, smooth.

Temperature range: -40°C to +120°C.

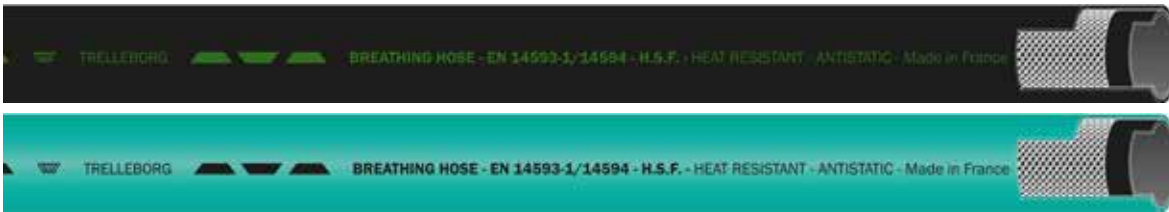
Special properties: conductive tube and cover, $10^3 \Omega/m < R < 10^8 \Omega/m$.

Standard/Approval: EN 14593/14594.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Type	Article number	Stock (●) or min. order m
7.2 ±0.5	3.5	14.2 ±0.7	10	80	100	0.17	20	Black	5501733	□
							40	Black	5501734	□
							50	Black	5503734	●
							80	Black	5501735	●
9.5 ±0.5	4.0	17.5 ±0.8	10	80	125	0.24	20	Black	5501736	□
							40	Black	5501737	●
							40	Green	5600770	●
							50	Black	5503600	●
20.0 ±0.8	4.75	29.5 ±1.0	10	80	250	0.41	40	Black	5501738	●
							40	Green	5600538	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).










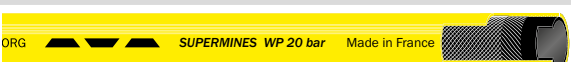

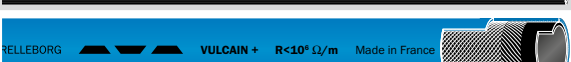

and embossed: week/year

Digital version








Air and water

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PUSH-LOCK COUPLING

124






Welding hoses

 PLUTON 20 - ISO3821 - OXYGEN - Ø - 2.0 MPa (20 bar) - Year	PLUTON BLUE	125
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 TRELLEBORG PLUTON 20 - ISO3821 - ACETYLENE - Ø - 2.0 MPa (20 bar) - Year - Made in France PLUTON 20 - ISO3821 - OXYGEN - Ø - 2.0 MPa (20 bar) - Year - Made in France	PLUTON TWIN	127
 PLUTON 2G - ISO3821 - ACETYLENE - LPG - 2.0 MPa (20 bar) - ND - year - Made in France	PLUTON 2G	128
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 PLUTON 20 - ISO3821 - ARGON - Ø - 2 MPa (20 bar) - Year	PLUTON ARGON	130
 ISO 3821 - Ø mm - year - Made in France TRELLEBORG GPL/MPS year - Made in France TRELLEBORG OXYGEN	PLUTON TWIN OXYGEN LPG	131

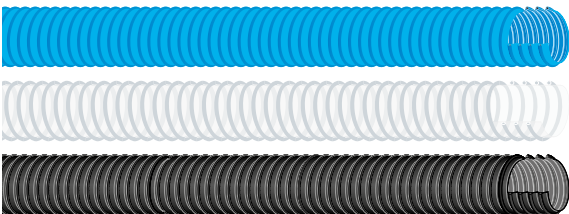
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 TRELLEBORG DIN 1TE - ND Ø - EN 854 - quarter - year - Made in France	DIN 1TE	132
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MANUFACTURING & MACHINE TOOLS

Air and water

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 for ID≤25mm, EPDM for ID>25mm, black, smooth.

Reinforcement: synthetic textile.

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

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	Article number	Stock (●) or min. order m
13.0	4.0	21.0	10	30	78	0.36	40	5503031	●
16.0	4.0	24.0	10	30	96	0.43	20	5503404	●
							40	5503040	●
19.0	4.5	28.0	10	30	115	0.56	20	5503405	●
							40	5503032	●
25.0	5.0	35.0	10	30	150	0.80	20	5503406	●
							40	5503033	●
32.0	5.5	43.0	10	30	200	0.90	40	5503034	●
38.0	6.0	50.0	10	30	210	1.00	40	5503035	●
50.0	7.0	65.0	10	30	400	1.60	40	5503036	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





MANUFACTURING & MACHINE TOOLS

Air and water

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 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	Article number	Stock (●) or min. order m
12.7 ±0.6	4.0	20.7 ±0.7	10	30	70	0.28	20	0061511	□
							40	0061510	●
15.8 ±0.7	4.1	24.0 ±0.8	10	30	80	0.34	20	0061521	●
							40	0061520	●
							80	0061522	●
19.4 ±0.7	4.5	28.4 ±0.8	10	30	120	0.45	20	0061541	●
							40	0061540	●
							80	0061542	●
25.4 ±1.0	4.8	35.0 ±1.1	10	30	150	0.60	20	0061551	●
							40	0061550	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





MANUFACTURING & MACHINE TOOLS

Air and water

Compressed air and water hose in industrial applications.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, smooth.

Temperature range: -30°C to +70°C.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0	12.0	15	45	30	0.13	40	5513820	●
8.0	14.0	15	45	40	0.16	40	5513821	●
10.0	16.0	15	45	50	0.19	40	5513822	●
13.0	20.0	15	45	65	0.29	40	5513823	●
16.0	23.0	15	45	80	0.34	40	5513824	●
19.0	26.0	15	45	90	0.39	40	5513825	●
25.0	33.0	15	45	110	0.57	40	5513826	●
32.0	42.0	15	45	320	0.77	40	5513827	●
38.0	48.0	15	45	380	0.89	40	5513828	●
51.0	63.0	15	45	510	1.43	40	5513829	●
63.0	77.0	15	45	630	2.00	40	5513830	●

Tolerance on length: ±1% (ISO 1307 Standard).

6-25mm



32-63mm





MANUFACTURING & MACHINE TOOLS

Air and water

For pneumatic tools and general purpose compressed air hose in industrial and other applications.
 Suitable for compressed air in all applications, oxygen (ID≤25mm only) 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.

Technical description

Inner tube: SBR, black, smooth.
Reinforcement: synthetic textile.
Cover: SBR, black, smooth for ID≤25mm, fabric impression for ID>25mm.
Temperature range: -40°C to +70°C.
Electrical properties: conductive tube and cover, R<100MΩ.

Advantages

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0 ±0.4	3.0 -	12.0 ±0.5	15	50	24	0.13	20	0061321	●
							40	0061322	●
							120	0061323	●
7.0 ±0.5	3.0 -	13.0 ±0.6	15	50	26	0.15	20	0061324	●
							40	0061325	●
							120	0061326	●
8.0 ±0.5	3.0 -	14.0 ±0.6	15	50	28	0.16	20	0061327	●
							40	0061328	●
							80	5503090	7040
							120	0061329	●
9.0 ±0.5	3.5 -	16.0 ±0.6	15	50	34	0.22	20	0061330	●
							40	0061331	●
							120	0061332	●
10.0 ±0.5	3.5 -	17.0 ±0.6	15	50	38	0.23	20	0061333	●
							40	0061334	●
							120	0061335	●
13.4 ±0.6	3.6 -	20.6 ±0.7	15	50	60	0.30	20	5500043	●
							40	5500044	●
							80	5500045	●
16.4 ±0.7	4.6 -	25.6 ±0.8	15	50	70	0.48	20	5500046	●
							40	5500047	●
							80	5500048	●
19.4 ±0.7	4.6 -	28.6 ±0.8	15	50	80	0.55	20	5500049	●
							40	5500050	●
							80	5500051	●
25.0 ±1.0	5.0 -	35.0 ±1.1	15	50	100	0.74	20	5500052	●
							40	5500053	●
							80	5500054	●

Tolerance on length: ±1% (ISO 1307 Standard).

6-25mm





MANUFACTURING & MACHINE TOOLS

Air and water

For pneumatic tools and general purpose compressed air hose in industrial and other applications.

Suitable for compressed air in all applications, oxygen (ID≤25mm only) 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.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

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

Temperature range: -40°C to +70°C.

Electrical properties: conductive tube and cover, R<100MΩ.

Advantages

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
30.0	- 5.5 ±1.0	41.0 ±2.0	10	40	300	0.89	20	0200155	●
							40	0200154	●
32.0	- 5.5 ±1.0	43.0 ±2.0	10	40	320	0.94	20	0200158	●
							40	0200157	●
35.0	- 6.0 ±1.0	47.0 ±2.0	10	40	350	1.13	20	0200161	●
							40	0200160	●
38.0	- 6.0 ±1.0	50.0 ±2.0	10	40	380	1.21	20	0122111	200
							40	0200163	200
40.0	- 6.5 ±1.0	53.0 ±2.0	10	40	400	1.39	20	0200167	●
							40	0200166	●
50.0	- 7.5 ±1.25	65.0 ±2.5	10	40	500	1.96	20	0200173	●
							40	0200172	●
60.0	- 7.5 ±1.25	75.0 ±2.5	10	40	600	2.30	20	0200179	●
							40	0200178	200

Tolerance on length: ±1% (ISO 1307 Standard).

30-60mm





MULTI 20

MANUFACTURING & MACHINE TOOLS

Air and water

Compressed air and water hose in industrial applications.

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: SBR, black, smooth.

Temperature range: -30°C to +70°C.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0	14.0	20	60	20	0.19	40	5513831	●
8.0	16.0	20	60	30	0.23	40	5513832	●
10.0	17.0	20	60	40	0.24	40	5513833	●
13.0	22.0	20	60	55	0.38	40	5513834	●
16.0	25.0	20	60	70	0.45	40	5513835	●
19.0	29.0	20	60	80	0.58	20	5513836	●
						40	5513837	●
25.0	36.0	20	60	100	0.82	40	5513838	●
32.0	44.0	20	60	320	0.95	40	5513839	●
38.0	52.0	20	60	380	1.20	40	5513840	●
51.0	65.0	20	60	510	1.68	40	5513841	●
63.0	79.0	20	60	630	2.34	40	5513842	●
76.0	92.0	20	60	760	2.80	40	5513843	●
102.0	120.0	20	60	1020	4.14	40	5513844	●

Tolerance on length: ±1% (ISO 1307 Standard).

6-25mm



32-102mm





MANUFACTURING & MACHINE TOOLS

Air and water

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.

Technical description

Inner tube: SBR, black, smooth.
Reinforcement: synthetic textile.
Cover: SBR, black, smooth for ID≤25mm, fabric impression for ID>25mm.
Temperature range: -40°C to +70°C.
Electrical properties: conductive tube and cover, R<100MΩ.

Advantages

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0 ±0.4	3.5 -	13.0 ±0.5	20	80	18	0.16	20	0061336	□
							40	0061337	●
							120	0061338	1920
8.0 ±0.5	3.5 -	15.0 ±0.6	20	80	25	0.19	20	0061342	●
							40	0061343	●
							120	0061344	●
9.0 ±0.5	4.0 -	17.0 ±0.6	20	80	30	0.25	20	0061345	□
							40	0061346	●
							120	0061347	1920
10.0 ±0.5	4.0 -	18.0 ±0.6	20	80	35	0.26	20	0061348	●
							40	0061349	●
							120	0061350	●
13.4 ±0.6	4.55 -	22.5 ±0.7	20	80	60	0.40	20	5500055	●
							40	5500056	●
							80	5500057	●
16.4 ±0.7	5.6 -	27.6 ±0.8	20	80	70	0.61	20	5500058	●
							40	5500059	●
							80	5500060	1440
19.4 ±0.7	5.6 -	30.6 ±0.8	20	80	80	0.69	20	5500061	●
							40	5500062	●
							80	5500063	●
25.0 ±1.0	6.5 -	38.0 ±1.1	20	80	100	1.01	20	5500064	●
							40	5500065	●
							80	5500066	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

6-25mm





NORMINES II

MANUFACTURING & MACHINE TOOLS

Air and water

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.

Technical description

Inner tube: SBR, black, smooth.
Reinforcement: synthetic textile.
Cover: SBR, black, smooth for ID≤25mm, fabric impression for ID>25mm.
Temperature range: -40°C to +70°C.
Electrical properties: conductive tube and cover, R<100MΩ.

Advantages

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
30.0 ±1.0	6.0 ±2.0	42.0 -	20	60	300	1.00	20	0200202	●
							40	0200201	●
32.0 ±1.0	6.0 ±2.0	44.0 -	20	60	320	1.06	20	0200205	●
							40	0200204	●
35.0 ±1.0	6.5 ±2.0	48.0 -	20	60	350	1.26	20	0200208	●
							40	0200207	●
38.0 ±1.0	6.5 ±2.0	51.0 -	20	60	380	1.35	20	0200307	●
							40	0200308	●
40.0 ±1.0	7.0 ±2.0	54.0 -	20	60	400	1.54	20	0200214	●
							40	0200213	●
50.0 ±1.25	8.0 ±2.5	66.0 -	20	60	500	2.13	20	0200220	●
							40	0200219	●
60.0 ±1.25	8.0 ±2.5	76.0 -	20	60	600	2.51	20	0200223	200
							40	0200222	200
63.0 ±1.25	8.0 ±1.5	79.0 -	20	60	650	2.64	20	0070489	200
							40	0070490	200
75.0 ±1.25	8.0 ±2.5	91.0 -	20	60	750	3.03	20	0200227	□
							40	0201701	●
100.0 ±1.25	8.0 ±1.5	116.0 -	20	60	1000	3.87	20	0070493	120
							40	0122132	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

30-100mm





MANUFACTURING & MACHINE TOOLS

Air and water

Heavy duty air hose for use in mines, construction and industrial applications.

Technical description

Inner tube: oil resistant SBR, black, smooth.

Reinforcement: steel wire braided.

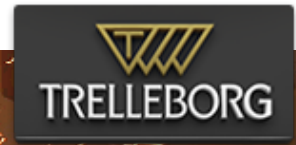
Cover: weather resistant SBR, yellow, fabric impression.

Temperature range: -30°C to +80°C.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0	25.0	40	160	100	0.52	40	5503634	560
19.0	32.0	40	160	180	0.79	40	5503635	560
25.0	38.0	40	160	200	1.04	40	5503636	560
51.0	66.0	40	160	410	2.12	40	5503637	400
76.0	94.0	40	160	600	3.73	40	5503638	200

Tolerance on length: ±1% (ISO 1307 Standard).





MANUFACTURING & MACHINE TOOLS

Air and water

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 (ID≤25mm only).
- Visible cover (yellow in colour).

Technical description

Inner tube: SBR, black, smooth.

Reinforcement: synthetic textile.

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

Temperature range: -30°C to +70°C.

Electrical properties: non-conductive tube and cover.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
7.0 ±0.50	3.5	14.0 ±0.6	20	80	24.5	0.17	20	0072917	●
							40	0072918	1480
							80	0072919	1440
10.0 ±0.50	4.75	19.5 ±0.6	20	80	35	0.33	20	0072923	●
							40	0072924	●
							80	0072925	1520
13.4 ±0.60	4.85	23.1 ±0.7	20	60	48	0.41	20	0072929	●
							40	0072928	●
							80	0072927	2560
16.4 ±0.70	5.85	28.1 ±0.7	20	60	65	0.61	20	0072939	●
							40	0072938	1560
							80	0072937	1520
19.4 ±0.70	5.85	31.1 ±0.8	20	60	77	0.69	20	0072949	●
							40	0072948	●
							80	0072947	●
25.0 ±1.00	7.0	39.0 ±1.1	20	60	102	1.03	20	0072969	●
							40	0072968	●
							80	0072967	1520
35.0 ±1.00	8.0	51.0 ±2.0	20	80	250	1.57	20	0072979	200
							40	0072983	200
							20	0072991	200
50.0 ±1.25	9.0	68.0 ±2.5	20	80	350	2.44	20	0072991	200
							40	0072994	200

Tolerance on length: ±1% (ISO 1307 Standard).

7-25mm



35-50mm



Digital version





MANUFACTURING & MACHINE TOOLS

Air and water

Light lay flat hose for public works, agriculture and all kinds of industries for multipurpose applications. Designed for pumping and transport of water and similar liquids as well as compressed air, especially when long length and light weight are required and when sites are not easily accessible.

Advantages

- Easy to handle and store, very low weight, can be rolled flat.
- High tensile resistance and excellent adhesion between rubber and textile.
- Available in length up to 200m.
- Oil and chemical resistant.
- Good flexibility under pressure.
- The hose withstands very rough handling but if it should be damaged just pull a hose sleeve of the same diameter over the damaged part of the hose (the expansion due to the pressure will seal the leak).

Technical description

Inner tube: oil resistant NBR, black, smooth.
Reinforcement: synthetic textile, woven.
Cover: ozone and oil resistant NBR, black, longitudinal fluted.
Temperature range: -20°C to +80°C.
Electrical properties: non conductive.

Couplings/Fittings

Claw couplings, with two double bolt clamps per fitting. Whip check safety cable is recommended especially for compressed air applications. For dimensions above 25mm special couplings are recommended.

Complementary information

For compressed air applications, the use of hoses with ID exceeding 65mm is not recommended.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	2.5	24.0	20	60	0.15	40	5503243	400
25.0	3.5	32.0	20	60	0.21	40	5503244	400
38.0	3.5	45.0	20	60	0.44	40	5503245	400
51.0	3.5	58.0	20	60	0.65	40	5503246	400
76.0	4.0	84.0	15	45	0.95	40	5503247	40
152.0	4.0	160.0	15	45	2.10	40	5503248	40

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





VULCAIN +

MANUFACTURING & MACHINE TOOLS

Air and water

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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0 ±0.4	3.0	12.0 ±0.5	20	80	25	0.11	20	0129662	●
							40	0129663	●
							120	0129665	●
7.0 ±0.5	3.5	14.0 ±0.6	20	80	25	0.15	20	0129667	●
							40	0129668	3280
							120	0129669	3240
8.0 ±0.5	3.5	15.0 ±0.6	20	60	30	0.16	20	0129670	●
							40	0129671	●
							120	0129672	●
9.0 ±0.5	3.5	16.0 ±0.6	20	60	35	0.18	20	0129673	●
							40	0129675	●
							120	0129676	3240
10.0 ±0.5	4.0	18.0 ±0.6	20	60	40	0.23	20	0129678	●
							40	0129679	●
							120	0129680	●
12.0 ±0.6	4.0	20.0 ±0.7	20	60	60	0.26	20	5501021	●
							40	5501020	●
							120	5501019	2400

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





CRISAL TR 10070

MANUFACTURING & MACHINE TOOLS

Air and water

Lightweight flexible PVC hose for pneumatic tools.
A quality hose that can be used for water, oil and most commonly used chemicals.
Also suitable for discharge of water and liquid foodstuffs.

Advantages

- Food grade quality.
- Light.
- Flexible.
- Resistant to most chemicals.

Technical description

Inner tube: PVC, transparent, smooth.

Reinforcement: synthetic textile.

Cover: PVC, transparent, smooth.

Temperature range: -15°C to +60°C.

Standard/Approval:

Comply with the requirements of European regulations n°10/2011 and n°1935/2004 for contact with foodstuffs, for simulants A, B and C.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
3.0 ±0.4	2.5	8.0 ±0.4	15	40	20	0.05	50	5016053	6600
5.0 ±0.5	2.5	10.0 ±0.5	15	40	29	0.08	50	1067439	●
6.3 ±0.3	2.35	11.0 ±0.5	15	40	36	0.08	25	5513887	▣
							50	0590562	●
8.0 ±0.4	2.5	13.0 ±0.6	15	40	54	0.10	25	5513888	9000
							50	0590570	●
10.0 ±0.4	2.5	15.0 ±0.6	15	40	74	0.12	25	5513889	●
							50	0590588	●
12.5 ±0.5	2.75	18.0 ±0.7	15	40	110	0.16	25	5513890	●
							50	0590596	●
16.0 ±0.8	3.0	22.0 ±0.8	15	40	145	0.22	25	0202576	●
							50	0590604	●
19.0 ±0.8	3.5	25.0 ±0.8	15	40	174	0.25	25	0202542	●
							50	0590612	●
25.0 ±0.8	3.5	32.0 ±1.0	15	40	174	0.38	25	0202544	●
							50	0202545	●
32.0 ±0.8	4.5	42.0 ±1.0	12	36	350	0.71	25	0202546	●
38.0 ±1.0	4.5	48.0 ±1.2	11	33	400	0.82	25	0202548	●
50.0 ±1.0	5.0	60.0 ±1.2	8	24	500	1.06	25	0202549	●

▣ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

3-38mm:



50mm: no branding.



MULTI 20 HOT

MANUFACTURING & MACHINE TOOLS

Hot water and multipurpose chemicals

Multi-purpose hose, with very good ageing. Suitable for air, cold and hot water and many other chemical products.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, black, smooth.

Temperature range: -30°C to +100°C.

Electrical properties: conductive tube and cover, $R \leq 1M\Omega/lg$ ($R \leq 10^6 \Omega/lg$).

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0	13.0	20	80	40	0.14	40	5513859	●
8.0	15.0	20	80	50	0.17	40	5513860	●
10.0	17.0	20	80	60	0.19	40	5513861	●
13.0	21.0	20	80	80	0.28	40	5513862	●
16.0	24.0	20	80	100	0.33	40	5513863	●
19.0	28.0	20	80	115	0.43	40	5513864	●
25.0	35.0	20	80	150	0.61	40	5513865	●

Tolerance on length: ±1% (ISO 1307 Standard).





STARKLER

MANUFACTURING & MACHINE TOOLS

Hot water and multipurpose chemicals

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 from 12.7 to 25.4mm, fabric impression for ID from 30 to 38mm.

Temperature range: -30°C to +100°C.

Standard/Approval:

In compliance with ISO 1403 type 2 (except branding).

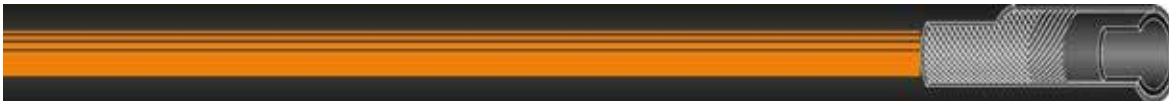
ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
12.7 ±0.6	4.0	20.7 ±0.7	20	60	55	0.27	20	0060012	●
							40	0060013	●
							80	0060990	●
15.8 ±0.7	4.1	24.0 ±0.8	20	60	70	0.33	20	0060014	●
							40	0060015	●
							80	0060991	●
19.4 ±0.7	4.5	28.4 ±0.8	20	60	85	0.43	20	0060016	●
							40	0060017	●
							80	0060992	●
25.4 ±1.0	4.8	35.0 ±1.1	20	60	100	0.58	20	0060018	●
							40	0060019	●
							80	0060993	●
30.0 ±1.0	4.25	39.0 ±1.0	10	30	240	0.72	20	0200259	●
							40	0200260	●
32.0 ±1.0	4.25	41.0 ±1.0	10	30	260	0.77	20	0123234	●
							40	0123239	●
35.0 ±1.0	4.25	44.0 ±1.0	10	30	280	0.83	20	0200261	●
							40	0200262	●
38.0 ±1.0	4.25	47.0 ±1.0	10	30	310	0.89	20	0123245	200
							40	0070387	200

Tolerance on length: ±1% (ISO 1307 Standard).

12.7-25.4mm



and in opposite:



30-38mm



Digital version





SOLVYKLER

MANUFACTURING & MACHINE TOOLS

Hot water and multipurpose chemicals

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	Article number	Stock (●) or min. order m
6.0 ±0.4	3.3	12.6 ±0.5	20	60	60	0.13	20	0060304	□
							40	0060305	●
							80	0060306	3200
8.0 ±0.5	3.5	15.0 ±0.6	20	60	70	0.16	120	0060307	3240
							20	0060308	□
							40	0060309	●
9.0 ±0.5	3.5	16.0 ±0.6	20	60	85	0.17	80	0060310	3280
							120	0060311	3240
							20	0060281	□
10.0 ±0.5	4.0	18.0 ±0.6	20	60	90	0.22	40	0060282	●
							80	0060283	3280
							120	0060285	3240
13.0 ±0.6	4.0	21.0 ±0.7	20	60	110	0.27	20	0060312	□
							40	0060313	●
							80	0060314	3280
16.0 ±0.8	4.0	24.0 ±1.0	20	60	130	0.32	120	0060315	3240
							20	0060718	□
							40	0060719	●
20.0 ±0.8	4.5	29.0 ±1.0	20	60	150	0.44	80	0060720	2400
							120	0060721	●
							20	0070139	1200
25.0 ±1.2	4.5	34.0 ±1.5	20	60	170	0.54	40	0070140	1200
							80	0070141	1200
							20	0070142	□
							40	0070143	●
							80	0070144	●
							20	0070145	□
							40	0070146	●
							80	0070147	800

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version



MULTI 10 OIL

MANUFACTURING & MACHINE TOOLS

Multipurpose oil

Versatile hose for diesel, mineral oil and grease with aromatic content <50%.

Technical description

Inner tube: NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: NBR, black, smooth.

Temperature range: -30°C to +100°C.

Electrical properties: conductive tube and cover, $R \leq 1M\Omega/lg$ ($R \leq 10^6 \Omega/lg$).

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0	12.0	10	40	45	0.13	40	5513845	●
8.0	14.0	10	40	55	0.14	40	5513846	●
10.0	17.0	10	40	60	0.21	40	5513847	●
13.0	20.0	10	40	80	0.26	40	5513848	●
16.0	24.0	10	40	100	0.34	40	5513849	●
19.0	27.0	10	40	120	0.41	40	5513850	●
25.0	34.0	10	40	150	0.60	40	5513851	●

Tolerance on length: $\pm 1\%$ (ISO 1307 Standard).





HYDRO'K

MANUFACTURING & MACHINE TOOLS

Multipurpose oil

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 minimize 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.

Complementary information

Length 50m: packed in carton.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
5.0 ±0.4	3.25	11.5 ±0.5	16	48	0.80	30	0.12	20	0060722	□
								40	0060723	●
								80	0060724	□
								120	0060725	●
6.0 ±0.4	3.5	13.0 ±0.5	16	48	0.80	35	0.15	20	0060727	□
								40	0060728	●
								80	0060729	●
								120	0060730	●
8.0 ±0.5	3.5	15.0 ±0.6	16	48	0.80	40	0.18	20	0060732	●
								40	0060733	●
								80	0060734	●
								120	0060735	●
10.0 ±0.5	3.5	17.0 ±0.6	16	48	0.80	45	0.22	20	0060737	●
								40	0060738	●
								50	0060703	11400
								80	0060739	●
13.0 ±0.6	3.75	20.5 ±0.7	16	48	0.35	50	0.27	20	0060742	●
								40	0060743	●
								50	0060704	7350
								80	0060744	●
15.0 ±0.7	4.0	23.0 ±0.8	16	48	0.35	55	0.32	20	0060746	□
								40	0060747	●
								80	0060748	●
								120	0060749	●
16.0 ±0.7	4.0	24.0 ±0.8	16	48	0.35	60	0.34	20	0060844	□
								40	0060845	●
								80	0060846	●
								120	0060750	●
19.0 ±0.7	4.2	27.4 ±0.8	16	48	0.35	65	0.42	20	0060751	●
								40	0060751	●
								80	0060753	●
								20	0060755	●
25.0 ±1.0	5.0	35.0 ±1.1	16	48	0.35	80	0.68	40	0060756	●
								80	0060757	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version



MULTI 25 OIL

MANUFACTURING & MACHINE TOOLS

Multipurpose oil

Versatile hose for diesel, mineral oil and grease with aromatic content <50%.

Technical description

Inner tube: NBR, black, smooth.

Reinforcement: synthetic textile.

Cover: NBR, black, smooth.

Temperature range: -30°C to +100°C.

Electrical properties: conductive tube and cover, $R \leq 1 M\Omega/lg$ ($R \leq 10^6 \Omega/lg$).

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0	13.0	25	80	40	0.14	40	5513852	●
8.0	15.0	25	80	50	0.17	40	5513853	●
10.0	17.0	25	80	60	0.19	40	5513854	●
13.0	21.0	25	80	80	0.28	40	5513855	●
16.0	25.0	25	80	100	0.33	40	5513856	●
19.0	28.0	25	80	120	0.43	40	5513857	●
25.0	35.0	25	80	150	0.61	40	5513858	●

Tolerance on length: $\pm 1\%$ (ISO 1307 Standard).





MANUFACTURING & MACHINE TOOLS

Multipurpose oil

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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.0 ±0.4	3.5	13.0 ±0.5	20	80	30	0.14	40	0060429	1720
							100	0060431	1700
							200	0120922	1600
8.0 ±0.5	3.5	15.0 ±0.6	20	80	34	0.17	20	0060432	□
							40	0060433	●
							100	0060435	●
10.0 ±0.5	3.5	17.0 ±0.6	20	80	38	0.19	20	0060436	●
							40	0060437	●
							100	0060439	●
							120	0070951	3000
13.0 ±0.6	4.0	21.0 ±0.7	20	80	45	0.28	20	0060440	●
							40	0060441	●
							100	0060443	●
16.0 ±0.7	4.25	24.5 ±0.8	20	80	53	0.35	20	0060444	●
							40	0060445	●
							100	0060447	●
19.0 ±0.7	4.5	28.0 ±0.8	20	80	58	0.43	20	0060448	●
							40	0060449	●
							100	0060451	●
25.0 ±1.0	5.0	35.0 ±1.1	20	80	77	0.62	20	0060452	●
							40	0060453	●
							80	0060454	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





MANUFACTURING & MACHINE TOOLS

Multipurpose oil

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	Article number	Stock (●) or min. order m
6.0 ±0.4	3.3	12.6 ±0.5	20	60	60	0.14	40	0064197	2680
							80	0064198	2640
							120	0064199	2640
8.0 ±0.5	3.5	15.0 ±0.6	20	60	70	0.17	20	0064201	□
							40	0064202	●
							80	0064203	2640
							120	0064204	●
10.0 ±0.5	3.75	17.5 ±0.6	20	60	90	0.24	20	0064207	●
							40	0064208	●
							80	0064209	2240
							120	0064210	2280
13.0 ±0.6	4.0	21.0 ±0.7	20	60	110	0.28	20	0064211	□
							40	0064212	●
							80	0064213	1520
							120	0064214	1440
16.0 ±0.7	4.5	25.0 ±0.8	20	60	130	0.38	20	0064215	□
							40	0064216	●
							80	0064217	1360
							120	0064218	1320

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PUSH-LOCK BLACK

MANUFACTURING & MACHINE TOOLS

Auto process

Ideally designed for hydraulic pneumatic low pressure lines for robotic in automotive industries. Used with push-on fittings at maximum working pressure of 16bar (250psi). Not suitable for impulse pressure application.

Advantages

- 40, 80 and 100m 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, black, 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, $R > 10^{12} \Omega/m$.

Couplings/Fittings

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

Complementary information

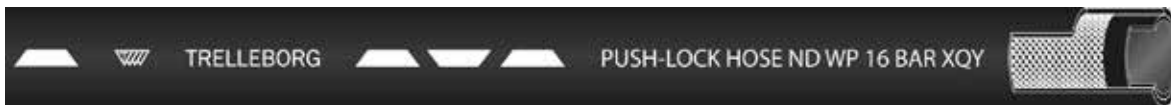
40, 80 and 100m: delivered in one piece on wooden reel.

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

ID inch	ID mm	OD mm	Working pressure bar psi	Bursting pressure bar psi	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
1/4	6.3 ±0.4	12.4 ±0.8	16 250	64 1000	45	0.11	20	5503501	□
							40	5503502	●
							100	5503503	●
3/8	9.6 ±0.5	15.5 ±0.8	16 250	64 1000	75	0.16	20	5503504	□
							40	5503505	●
							100	5503506	●
1/2	12.7 ±0.6	18.7 ±1.0	16 250	64 1000	90	0.19	20	5503507	□
							40	5503508	●
							100	5503509	●
5/8	16.0 ±0.6	22.9 ±1.0	16 250	64 1000	115	0.28	20	5503510	□
							40	5503511	●
							80	5503512	●
3/4	19.2 ±0.6	26.5 ±1.0	16 250	64 1000	135	0.34	20	5503513	□
							40	5503514	●
							80	5503515	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PUSH-LOCK BLUE

MANUFACTURING & MACHINE TOOLS

Auto process

Ideally designed for hydraulic pneumatic low pressure lines for robotic in automotive industries.
Used with push-on fittings at maximum working pressure of 16bar (250psi).
Not suitable for impulse pressure application.

Advantages

- 40, 80 and 100m 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, blue, 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, $R > 10^{12} \Omega/m$.

Couplings/Fittings

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

Complementary information

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

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

ID inch	ID mm		OD mm		Working pressure		Bursting pressure		Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
	±0.4	±0.8	bar	psi	bar	psi							
1/4	6.3	±0.4	12.4	±0.8	16	250	64	1000	45	0.12	20	5503486	□
											40	5503487	●
											100	5503488	●
3/8	9.6	±0.5	15.5	±0.8	16	250	64	1000	75	0.16	20	5503489	□
											40	5503490	●
											100	5503491	●
1/2	12.7	±0.6	18.7	±1.0	16	250	64	1000	90	0.19	20	5503492	□
											40	5503493	●
											100	5503494	●
5/8	16.0	±0.6	22.9	±1.0	16	250	64	1000	115	0.28	20	5503495	□
											40	5503496	●
											80	5503497	●
3/4	19.2	±0.6	26.5	±1.0	16	250	64	1000	135	0.34	20	5503498	□
											40	5503499	●
											80	5503500	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PUSH-LOCK GREEN

MANUFACTURING & MACHINE TOOLS

Auto process

Ideally designed for hydraulic pneumatic low pressure lines for robotic in automotive industries.
Used with push-on fittings at maximum working pressure of 16bar (250psi).
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, green, 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, $R > 10^{12} \Omega/m$.

Couplings/Fittings

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

Complementary information

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

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

ID inch	ID mm		OD mm		Working pressure bar psi		Bursting pressure bar psi		Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
		±		±									
1/4	6.3	±0.4	12.4	±0.8	16	250	64	1000	45	0.12	40	5503472	●
											100	5503473	●
											20	5503474	□
3/8	9.6	±0.5	15.5	±0.8	16	250	64	1000	75	0.16	40	5503475	●
											100	5503476	●
											20	5503477	□
1/2	12.7	±0.6	18.7	±1.0	16	250	64	1000	90	0.19	40	5503478	●
											100	5503479	●
											20	5503480	□
5/8	16.0	±0.6	22.9	±1.0	16	250	64	1000	115	0.28	40	5503481	●
											80	5503482	●
											20	5503483	□
3/4	19.2	±0.6	26.5	±1.0	16	250	64	1000	135	0.34	40	5503484	●
											80	5503485	●
											20	5503486	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PUSH-LOCK RED

MANUFACTURING & MACHINE TOOLS

Auto process

Ideally designed for hydraulic pneumatic low pressure lines for robotic in automotive industries.
Used with push-on fittings at maximum working pressure of 16bar (250psi).
Not suitable for impulse pressure application.

Advantages

- 40, 80 and 100m 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, red, 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, $R > 10^{12} \Omega/m$.

Couplings/Fittings

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

Complementary information

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

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

ID inch	ID mm	OD mm	Working pressure		Bursting pressure		Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
			bar	psi	bar	psi					
1/4	6.3 ±0.4	12.4 ±0.8	16	250	64	1000	45	0.12	20	5503516	□
									40	5503517	●
									100	5503518	●
3/8	9.6 ±0.5	15.5 ±0.8	16	250	64	1000	75	0.16	20	5503519	□
									40	5503520	●
									100	5503521	●
1/2	12.7 ±0.6	18.7 ±1.0	16	250	64	1000	90	0.19	20	5503522	□
									40	5503523	●
									100	5503524	●
5/8	16.0 ±0.6	22.9 ±1.0	16	250	64	1000	115	0.28	20	5503525	□
									40	5503526	●
									80	5503527	●
3/4	19.2 ±0.6	26.5 ±1.0	16	250	64	1000	135	0.34	20	5503528	□
									40	5503529	●
									80	5503530	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





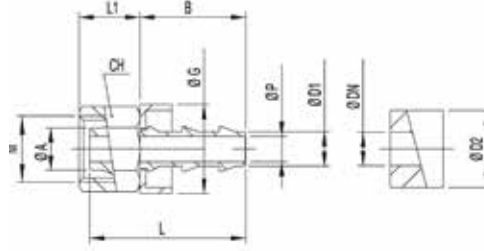
PUSH-LOCK COUPLING



MANUFACTURING & MACHINE TOOLS

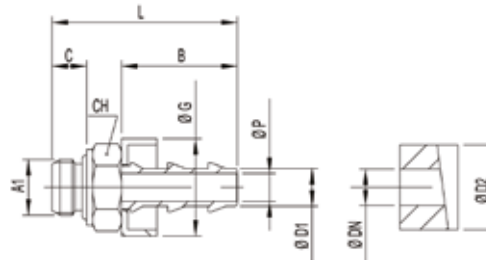
Auto process

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



Metric Female

Ø A	DN	Ø D1	Ø D2	CH	Ø G	L	B	L1	Ø P	M	Packaging	Article number	Notes
6	1/4	6.3	13	12	16.7	32.5	20	11.5	4.8	M10x1	10	5103630	
8	1/4	6.3	13	14	16.7	29.5	20	12.5	4.8	M12x1	10	5103631	
10	1/4	6.3	13	19	16.7	30.5	24	14	4.8	M16x1.5	10	5103632	
10	3/8	9.5	16	19	19.5	34.5	24	14	7.5	M16x1.5	10	5103633	
14	3/8	9.5	16	24	19.5	36	28	15	7.5	M20x1.5	10	5103634	
14	1/2	12.7	19	24	23.5	40	28	15	10	M20x1.5	10	5103635	
18	1/2	12.7	19	30	23.5	40.5	36.5	17	10	M24x1.5	10	5103636	
18	5/8	15.7	23	30	27.3	49	36.5	17	13.5	M24x1.5	10	5103637	
22	3/4	18.8	27	36	30.8	57.5	43	17	16	M30x1.5	10	5103638	



BSP Male

A1	DN	Ø D1	Ø D2	CH	Ø G	L	B	C	Ø P	Packaging	Article number	Notes
G1/8	1/4	6.3	13	13	16.7	32	20	6	4.8	10	5103640	
G1/4	1/4	6.3	13	17	16.7	35.5	20	8	4.8	10	5103641	
G1/4	3/8	9.5	16	17	19.5	39.5	24	8	7.5	10	5103642	
G3/8	3/8	9.5	16	22	19.5	41	24	9	7.5	10	5103643	
G3/8	1/2	12.7	19	22	23.5	45	28	9	10	10	5103644	
G1/2	1/2	12.7	19	27	23.5	47	28	10	10	10	5103645	
G1/2	5/8	15.7	23	27	27.3	55	36.5	10	13.5	10	5103646	
G3/4	5/8	15.7	23	32	27.3	58.5	36.5	12	13.5	10	5103647	
G3/4	3/4	18.8	27	32	30.8	65	43	12	16	10	5103648	



PLUTON BLUE

MANUFACTURING & MACHINE TOOLS

Welding hoses

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:
ISO 3821.
EN 559.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
5.0 ±0.4	3.0	11.0 ±0.5	20	60	50	0.12	20	0200547	1940
							40	0200548	●
6.3 ±0.4	2.85	12.0 ±0.6	20	60	55	0.13	20	0200020	●
							40	0200019	●
							100	0200018	3300
							120	0200017	3240
8.0 ±0.5	3.0	14.0 ±0.7	20	60	65	0.16	20	0200024	3300
							40	0200023	●
							100	0200022	3300
							120	0200021	3240
10.0 ±0.5	3.5	17.0 ±0.7	20	60	75	0.23	20	0060183	●
							40	0060182	●
							100	0200026	7000
							120	0060181	6960
20.0 ±0.6	3.75	27.5 ±0.8	20	60	90	0.38	40	5503046	920

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PLUTON RED

MANUFACTURING & MACHINE TOOLS

Welding hoses

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:

ISO 3821.

EN 559.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
5.0 ±0.4	3.0	11.0 ±0.5	20	60	50	0.12	20	0200549	1940
							40	0200550	●
6.3 ±0.4	2.85	12.0 ±0.6	20	60	55	0.13	20	0200032	●
							40	0200031	●
							100	0200030	3400
							120	0200029	3480
8.0 ±0.5	3.0	14.0 ±0.7	20	60	65	0.16	20	0200036	3480
							40	0200035	●
							100	0200034	3400
							120	0200033	3480
10.0 ±0.5	3.5	17.0 ±0.7	20	60	75	0.23	20	0060180	●
							40	0060179	●
							100	0200038	6600
							120	0060178	6600
20.0 ±0.6	3.75	27.5 ±0.8	20	60	90	0.38	40	5503044	920

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PLUTON TWIN

MANUFACTURING & MACHINE TOOLS

Welding hoses

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:
ISO 3821.
EN 559.

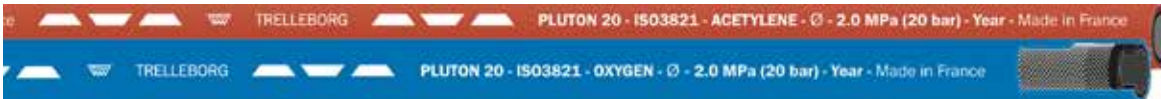
Complementary information

80 and 120m 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	Article number	Stock (●) or min. order m
5.0 ±0.5	3.5	12.0 ±0.6	20	60	55	0.29	20	0061052	3480
							40	0061053	●
							50	0129688	3450
6.3 ±0.4	2.85	12.0 ±0.6	20	60	55	0.25	20	0061054	●
							40	0061055	●
							50	5500480	6950
8.0 ±0.5	3.0	14.0 ±0.7	20	60	65	0.32	20	0061056	6600
							40	0061057	●
							50	5500481	6600
							80	0200048	6560
10.0 ±0.5	3.5	17.0 ±0.7	20	60	75	0.45	120	0200049	●
							20	0061058	●
							40	0061059	●
							50	0071126	6900

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PLUTON 2G

MANUFACTURING & MACHINE TOOLS

Welding hoses

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.

EN 559.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.3 ±0.4	12.0 ±0.6	20	60	55	0.12	20	5503456	3040
						40	5503457	6000
						120	5503458	3000
8.0 ±0.5	14.0 ±0.7	20	60	65	0.16	20	5503459	3040
						40	5503460	3040
						120	5503461	3000
10.0 ±0.5	17.0 ±0.7	20	60	75	0.17	20	5503462	3040
						40	5503463	3040
						120	5503464	2140
12.5 ±0.6	19.0 ±0.8	20	60	80	0.21	20	5503464	2140
						40	5503465	2120

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





VULPANE

MANUFACTURING & MACHINE TOOLS

Welding hoses

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:

ISO 3821.

EN 559.

DG 3910.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.3 ±0.4	2.85	12.0 ±0.6	20	60	55	0.12	20	0200010	●
							40	0200009	●
							100	5501202	6600
							120	0200008	6600
8.0 ±0.5	3.0	14.0 ±0.7	20	60	65	0.15	20	0200013	●
							40	0200012	●
							50	5012645	6650
							60	5012708	6660
							80	0129712	6640
							100	5501203	●
9.0 ±0.5	3.5	16.0 ±0.7	20	60	70	0.18	20	0200551	3300
							40	0200552	●
							120	0200553	3240
							20	0200016	●
10.0 ±0.5	3.5	17.0 ±0.7	20	60	75	0.20	20	0200016	●
							25	5010110	7000
							40	0200015	●
							100	5501204	7000
20.0 ±0.6	3.75	27.5 ±0.8	20	60	130	0.37	120	0200014	6960
							40	5503077	3480

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





MANUFACTURING & MACHINE TOOLS

Welding hoses

Rubber hose for argon 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: SBR, black, smooth.

Temperature range: -30°C to +80°C.

Standard/Approval:

ISO 3821.

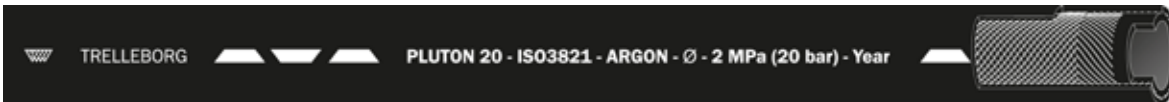
EN 559.

Complementary information

ID 6.3mm: 100m standard lengths but we also deliver max 20% of random length (20 and 40m).

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.3 ±0.4	2.85	12.0 ±0.6	20	60	55	0.13	1	0090832	●
10.0 ±0.5	3.5	17.0 ±0.7	20	60	75	0.19	40	5600902	1720
20.0 ±0.6	3.75	27.5 ±0.8	20	60	90	0.37	20	5503092	920
							40	5503078	920

Tolerance on length: ±1% (ISO 1307 Standard).





MANUFACTURING & MACHINE TOOLS

Welding hoses

Twin welding hose specially developed for Oxygen and LPG (Butane/Propane).

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-NBR/SBR, black, smooth.

Reinforcement: synthetic textile.

Cover: EPDM, blue and orange, smooth.

Temperature range: -30°C to +80°C.

Standard/Approval:
ISO 3821.
EN 559.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
6.3	3.5	13.3	20	60	55	0.25	20	5500563	●
							40	5500564	3200
10.0	3.5	17.0	20	60	75	0.45	40	5500567	●

Tolerance on length: ±1% (ISO 1307 Standard).





DIN 1TE

MANUFACTURING & MACHINE TOOLS

Hydraulic hoses

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:

EN 854 1TE:1996.

Complementary information

ID>16mm are not included in EN 854 1TE:1996.

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

ID inch	ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
3/16"	4.8	3.0 ±0.3	10.8	25	100	35	0.09	40	5501642	3520
								80	5501643	3520
								100	5501644	3500
1/4"	6.4	3.0 ±0.3	12.4	25	100	45	0.11	40	5501647	●
								80	5501648	3520
								120	5501649	●
5/16"	7.9	3.0 ±0.3	13.9	20	80	65	0.13	40	5501652	●
								80	5501653	●
								120	5501654	●
3/8"	9.5	3.0 ±0.3	15.5	20	80	75	0.15	40	5501657	●
								80	5501658	●
								120	5501659	●
1/2"	12.7	3.0 ±0.3	18.7	16	64	90	0.18	40	5501662	●
								80	5501663	2480
								120	5501664	●
5/8"	15.9	3.5 ±0.4	22.9	16	64	115	0.26	40	5501667	1200
								80	5501668	1200
								120	5501669	1200
3/4"	19.0	3.5 ±0.4	26.0	12	32	135	0.30	40	5501672	1120
								80	5501673	1120
								40	5501674	760
1"	25.4	4.0 ±0.4	33.4	12	32	165	0.45	40	5501674	760
								80	5501675	720

Tolerance on length: ±1% (ISO 1307 Standard).





DIN 2TE

MANUFACTURING & MACHINE TOOLS

Hydraulic hoses

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 on ID≤25mm, two textile braids on ID>25mm.
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:
EN 854 2TE:1996.

Complementary information

ID>25mm are not included in EN 854 2TE:1996.

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

ID inch	ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
3/16"	4.8	3.5 ±0.3	11.8	80	320	35	0.12	40	0060357	□
								80	0060358	□
								120	0060359	●
1/4"	6.4	3.5 ±0.3	13.4	75	300	40	0.14	40	0060361	●
								80	0060362	□
								120	0060363	●
5/16"	7.9	3.5 ±0.3	14.9	68	270	50	0.16	40	0060365	●
								80	0060366	□
								120	0060367	●
3/8"	9.5	3.5 ±0.3	16.5	63	250	60	0.18	40	0060369	●
								80	0060370	□
								120	0060371	●
1/2"	12.7	3.5 ±0.3	19.7	58	230	70	0.22	40	0060373	●
								80	0060374	□
								120	0060375	●
5/8"	15.9	4.0 ±0.4	23.9	50	200	90	0.32	40	0060377	●
								80	0060378	□
								120	0060379	●
3/4"	19.0	4.0 ±0.4	27.0	45	180	110	0.37	40	0060381	●
								60	0120596	3480
								80	0060382	●
1"	25.4	4.5 ±0.4	34.4	40	160	150	0.52	40	5006555	3480
								60	5503072	●
								60	5007053	1800
1"1/4	31.8	4.5 ±0.4	41.6	35	140	190	0.71	20	5503141	●
								20	0070158	●
								40	0070157	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

4.8-25.4mm



31.8mm





DIN 3TE

MANUFACTURING & MACHINE TOOLS

Hydraulic hoses

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:

EN 854 3TE:1996.

Complementary information

Delivery terms for every order:

50% in fixed length ;

50% in random lengths:

10-39m for all DN,

41-119m for DN 4.8 to 15.9,

41-79m for DN 19 to 25.4.

ID inch	ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
3/16"	4.8	3.95 ±0.3	12.7	160	640	40	0.14	40	0060485	2280
								80	0060486	2240
								120	0060487	2280
1/4"	6.4	4.1 ±0.3	14.6	145	585	45	0.17	40	0060489	1720
								80	0060490	1680
								120	0060491	1680
5/16"	7.9	4.5 ±0.3	16.9	130	520	55	0.22	120	0060495	1080
								80	0060498	880
									120	0060499
3/8"	9.5	4.5 ±0.3	18.5	110	440	70	0.26	80	0060498	880
								120	0060507	1080
									40	0071004
1/2"	12.7	4.5 ±0.3	21.7	93	370	85	0.31	120	0060503	1080
								80	0060506	1120
									80	0060510
3/4"	19.0	5.0 ±0.4	29.0	70	280	130	0.48	30	0071004	840
								40	0060509	840
								80	0060510	1360
1"	25.4	5.25 ±0.4	35.9	55	220	150	0.65	40	0060512	●
								60	5008340	1320
								80	0060513	●
1"1/4	31.8	5.15 ±0.4	42.3	45	180	180	0.75	20	0060250	400
								40	0060251	400
1"1/2	38.1	5.75 ±0.4	49.6	40	160	240	0.89	20	0070160	●
								40	0070159	●
2"	50.8	5.75 ±0.4	62.3	33	140	300	1.20	20	0070162	●
								40	0070161	●

Tolerance on length: ±1% (ISO 1307 Standard).



SAE 100R4

MANUFACTURING & MACHINE TOOLS

Hydraulic hoses

Suction and delivery hose for hydraulic systems.

Technical description

Inner tube: oil resistant NBR, black, smooth.

Reinforcement: synthetic textile with embedded steel helix.

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

Temperature range: -40°C to +100°C.

Standard/Approval:

SAE J 517.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	29.0 ±1	21	84	0.9	80	0.61	40	5513639	200
25.0	37.0 ±1	17	69	0.9	100	0.86	40	5513640	200
32.0	45.0 ±1.2	14	56	0.9	130	1.15	40	5513641	200
38.0	50.0 ±1.2	10	42	0.9	160	1.45	40	5513642	200
51.0	64.0 ±1.2	7	28	0.9	200	1.69	40	5513643	200
63.0	76.0 ±1.2	4	16	0.9	260	2.26	40	5513644	160
76.0	90.0 ±1.2	4	16	0.9	320	2.82	40	5513645	160
102.0	117.0 ±1.2	2.5	10	0.9	360	3.88	40	5513646	160

Tolerance on length: ±1% (ISO 1307 Standard).

SAE 100R4



SAE 100R4





KLERHEAT

MANUFACTURING & MACHINE TOOLS

Coolant hoses

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: $R > 10^{10} \Omega/m$ (insulating).

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0	4.75 ±0.75	23.0 ±1.0	10	45	120	0.48	20	0070148	400
							40	0070149	●
20.0	5.75 ±0.75	32.0 ±1.0	10	45	200	0.68	20	0129367	▣
							40	0129368	●
25.0	6.25 ±0.75	38.0 ±1.0	10	45	250	0.88	20	0129369	▣
							40	0129370	●
32.0	6.25 ±0.75	45.0 ±1.0	10	45	320	1.06	20	0129371	400
							40	0129372	●
40.0	6.25 ±0.75	53.0 ±1.0	10	45	360	1.29	20	0129373	400
							40	0129374	●
45.0	7.25 ±1.00	60.0 ±1.2	10	45	380	1.70	20	0129375	200
							40	0129376	●
50.0	7.25 ±1.00	65.0 ±1.2	10	45	400	1.85	20	0129506	200
							40	0129507	●

▣ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLHOT

MANUFACTURING & MACHINE TOOLS

Coolant hoses

Water discharge for cooling of melting furnaces' doors.
Hose can be used in very high temperature areas, with risks of molten metal splashes.

Advantages

- Withstands steel splashing and a temporary radiation temperature of +375°C.
- The outer cover is made with glass woven fabric.

Technical description

Inner tube: EPDM, black, smooth.

Reinforcement: synthetic textile.

Cover: glass cord fabric.

Temperature range: -30°C to +130°C.

Conveyed water to +130°C max.

Withstands steel splashes and a temporary radiation temperature of +375°C.

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

Complementary information

Other sizes and lengths upon request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	31.0	10	30	152	0.58	20	5503058	200
25.0	37.0	10	30	200	0.72	20	5503060	200
32.0	44.0	10	30	260	0.89	20	5503062	200
38.0	50.0	10	30	300	1.04	20	5503065	●
51.0	63.0	10	30	410	1.35	20	5503067	160
65.0	77.4	10	30	520	1.76	20	5503068	160

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AQUA 10 FG

MANUFACTURING & MACHINE TOOLS

Coolant hoses

Water cooling hose with glass fibre cover.

Technical description

Inner tube: non-conductive EPDM, white, smooth.

Reinforcement: synthetic textile.

Cover: glass fibre fabric, beige.

Temperature range: -30°C to +100°C.

+550°C heat radiation.

Electrical properties: R>10⁸Ω/m.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	31.0	±1	10	30	160	0.64	40	5503640	160
25.0	37.0	±1	10	30	200	0.83	40	5503641	200
38.0	52.0	±1.2	10	30	310	1.30	40	5503642	200
51.0	65.0	±1.2	10	30	450	1.75	40	5503643	160
63.0	79.0	±1.2	10	30	560	2.55	40	5503644	160
102.0	119.0	±1.2	10	30	1020	3.97	40	5503639	160

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAINE GCV



MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/PVC

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.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
20.0	0.5 ±0.03	1.9	0.55	20	0.11	10	5007806	10
25.0	0.5 ±0.03	1.7	0.45	25	0.15	10	5007807	10
30.0	0.5 ±0.03	1.6	0.40	30	0.22	10	5007808	10
32.0	0.5 ±0.03	1.5	0.35	32	0.22	10	5503186	10
35.0	0.5 ±0.03	1.4	0.30	35	0.22	10	5007809	●
40.0	0.5 ±0.03	1.4	0.30	40	0.28	10	0201397	●
45.0	0.5 ±0.03	1.3	0.30	45	0.26	10	0085506	10
50.0	0.5 ±0.03	1.3	0.28	50	0.29	10	0201398	●
51.0	0.5 ±0.03	1.3	0.28	51	0.30	10	5009004	●
60.0	0.5 ±0.03	1.1	0.25	60	0.50	10	0201399	●
63.0	0.5 ±0.03	1	0.25	63	0.54	10	5503189	10
65.0	0.5 ±0.03	1	0.25	65	0.56	10	0085348	●
70.0	0.5 ±0.03	1	0.25	70	0.56	10	0201400	●
75.0	0.5 ±0.03	0.8	0.20	75	0.63	10	0201414	10
76.0	0.5 ±0.03	0.8	0.20	76	0.65	10	5009005	●
80.0	0.5 ±0.03	0.8	0.18	80	0.70	10	0201401	●
90.0	0.5 ±0.03	0.7	0.15	90	0.76	10	0201415	●
100.0	0.6 ±0.03	0.6	0.15	100	0.79	10	0201402	●
102.0	0.6 ±0.03	0.6	0.15	102	0.82	10	5009006	10
110.0	0.6 ±0.03	0.5	0.14	110	0.84	10	0201416	●
120.0	0.6 ±0.03	0.4	0.13	120	0.85	10	0201403	●
125.0	0.6 ±0.03	0.4	0.12	125	0.98	10	0201404	●
130.0	0.6 ±0.03	0.4	0.12	130	0.98	10	0201417	10
140.0	0.6 ±0.03	0.3	0.12	140	1.05	10	0201405	●
150.0	0.6 ±0.03	0.25	0.10	150	1.18	10	0201406	●
160.0	0.75 ±0.03	0.25	0.10	160	1.35	10	0201409	●
180.0	0.75 ±0.03	0.2	0.10	180	1.48	10	0201418	10
200.0	0.75 ±0.03	0.2	0.09	200	1.69	10	0201410	●
203.0	0.75 ±0.03	0.2	0.09	203	1.70	10	5009007	10
250.0	0.8 ±0.03	0.12	0.08	250	2.10	10	0201411	●
300.0	0.8 ±0.03	0.1	0.06	300	2.52	10	0201419	●
350.0	0.8 ±0.03	0.1	0.03	350	2.93	10	0085203	10
400.0	1.0 ±0.03	0.08	0.02	400	3.39	5	5009008	5
500.0	1.0 ±0.03	0.06	0.01	500	4.10	5	5009009	5

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





KLEGAINE GRV

MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/PVC

Heavy duty for ventilation, dust and fume extraction. Especially suitable for mobile applications (sanitary installations without pressure: mobile home, boat, caravanning, stand, etc.) 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.
- Fire resistant material.

Technical description

Elastic PVC wall, grey, very smooth inside.
Reinforcement: cold impact resistant embedded PVC helix.
Temperature range: -10°C to +60°C.
Standard/Approval: Fire resistant according to UL 94-V0.

Couplings/Fittings

Standard: connexion by clamp.
 Option: can be screwed into the couplings.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m	
20.0	±0.5	0.7 +0.2/-0.1	1.5	0.6	30	0.17	25	5009010	25
25.0	±0.5	0.7 +0.2/-0.1	1.5	0.6	38	0.18	25	5009011	25
30.0	±0.5	0.7 +0.2/-0.1	1.4	0.55	45	0.22	25	5009012	25
32.0	±0.5	0.8 +0.2/-0.1	1.4	0.5	48	0.24	25	5009013	25
35.0	±1.0	0.8 +0.2/-0.1	1.3	0.5	53	0.27	25	5009014	25
38.0	±1.0	0.8 +0.2/-0.1	1.3	0.5	57	0.28	25	5009015	25
40.0	±1.0	0.9 +0.2/-0.1	1.3	0.5	60	0.31	25	5009016	25
45.0	±1.0	0.9 +0.2/-0.1	1.3	0.5	68	0.37	25	5009017	25
51.0	±1.0	0.9 +0.2/-0.1	1.3	0.5	75	0.43	25	5009018	25
60.0	±1.0	0.9 +0.2/-0.1	1.2	0.45	90	0.53	25	5009019	25
63.0	±1.0	0.9 +0.2/-0.1	1.1	0.45	95	0.53	25	5009020	25
70.0	±1.5	1.0 +0.2/-0.1	1.1	0.45	105	0.57	25	5009021	25
76.0	±1.5	1.0 +0.2/-0.1	1.1	0.4	113	0.63	25	5009022	25
80.0	±1.5	1.0 +0.2/-0.1	1	0.4	120	0.75	25	5009023	25
90.0	±1.5	1.0 +0.2/-0.1	1	0.4	135	0.78	25	5009024	25
100.0	±1.5	1.0 +0.2/-0.1	1	0.4	150	0.96	25	5009025	25
102.0	±1.5	1.0 +0.2/-0.1	1	0.4	150	0.97	25	5009026	25
120.0	±1.5	1.0 +0.2/-0.1	0.7	0.35	180	1.20	10	5009027	10
125.0	±1.5	1.0 +0.2/-0.1	0.7	0.35	188	1.35	10	5009028	10
140.0	±1.5	1.1 +0.2/-0.1	0.5	0.35	210	1.62	10	5009029	10
152.0	±2.0	1.1 +0.2/-0.1	0.5	0.35	225	1.75	10	5009030	10
160.0	±2.0	1.2 +0.2/-0.1	0.5	0.35	240	1.90	10	5009031	10
180.0	±2.0	1.2 +0.2/-0.1	0.4	0.3	270	2.05	10	5009032	10
200.0	±2.0	1.3 +0.2/-0.1	0.3	0.3	300	2.50	10	5009033	10
250.0	±2.0	1.5 +0.2/-0.1	0.3	0.3	375	3.45	10	5009034	10

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





KLEGAINE GSV

MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/PVC

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

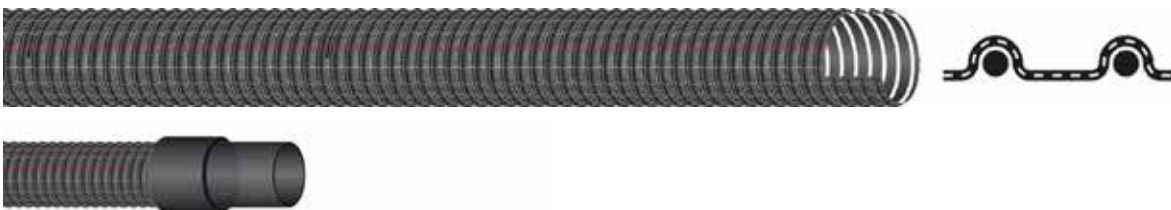
Standard: connexion by clamp.
 Option: black PVC fitting can be screwed into the ducting, left hand pitch, ID 25, 32, 38, 51, 63mm are available on request.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	0.65 ±0.05	1.7	0.40	12	0.23	15	0085273	●
29.0	0.65 ±0.05	1.6	0.35	12	0.24	15	0085274	30
32.0	0.65 ±0.05	1.5	0.35	16	0.27	15	0085275	●
35.0	0.65 ±0.05	1.4	0.30	16	0.34	15	0070721	30
38.0	0.65 ±0.05	1.4	0.30	20	0.37	15	0085276	●
41.0	0.65 ±0.05	1.4	0.30	20	0.40	15	0085277	●
44.0	0.65 ±0.05	1.3	0.28	22	0.43	15	0085278	30
51.0	0.65 ±0.05	1.3	0.28	23	0.49	15	0085279	●
60.0	0.65 ±0.05	1	0.25	25	0.55	15	0084012	15
63.0	0.65 ±0.05	1	0.25	32	0.61	15	0200096	15
70.0	0.65 ±0.05	0.9	0.20	35	0.70	10	0070722	10
76.0	0.65 ±0.05	0.8	0.18	35	0.85	10	0085232	10
80.0	0.65 ±0.05	0.7	0.18	36	0.98	10	0085233	10
89.0	0.65 ±0.05	0.7	0.17	36	0.98	10	0085234	10
102.0	0.65 ±0.05	0.6	0.15	36	1.16	10	0085235	10

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





KLEGAIN GM1V

MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/PVC

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.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
51.0	0.25 ±0.02	0.85	0.32	30	0.40	10	0085280	10
60.0	0.25 ±0.02	0.68	0.22	36	0.50	10	5009153	10
65.0	0.25 ±0.02	0.68	0.22	38	0.55	10	0084009	10
76.0	0.25 ±0.02	0.47	0.14	45	0.60	10	5009154	10
80.0	0.25 ±0.02	0.43	0.12	48	0.63	10	0085281	10
90.0	0.25 ±0.02	0.3	0.08	52	0.64	10	0085282	10
102.0	0.25 ±0.02	0.3	0.08	60	0.65	10	0085283	10
127.0	0.25 ±0.02	0.21	0.05	75	0.80	10	0085284	10
152.0	0.25 ±0.02	0.16	0.04	90	0.90	10	0085285	10
160.0	0.25 ±0.02	0.14	0.03	96	0.94	10	0085219	10
180.0	0.25 ±0.02	0.12	0.02	108	1.05	10	0084010	10
203.0	0.25 ±0.02	0.1	0.02	120	1.21	10	0085286	10
254.0	0.25 ±0.02	0.07	0.01	175	1.70	10	0085287	10
305.0	0.25 ±0.02	0.05	0.01	210	2.13	10	0085288	10
407.0	0.25 ±0.02	0.03	0.01	280	2.90	5	5009155	●
508.0	0.25 ±0.02	0.02	0.01	400	3.90	5	5009156	5

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAINE GPU-FG



MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Polyurethane

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 mowers 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: 40mm².
 Food grade quality.
Standard/Approval:
 EU regulation 10/2011/CE.

Couplings/Fittings

Standard: connexion by clamp.
 Option: can be screwed into the couplings.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m		
20.0	±0.5	0.5	+0.2/-0.1	1.5	0.60	14	0.15	20	5009201	20
25.0	±0.5	0.55	+0.2/-0.1	1.5	0.60	17	0.18	20	5009202	●
30.0	±0.5	0.55	+0.2/-0.1	1.5	0.60	21	0.20	20	5009203	20
32.0	±0.55	0.55	+0.2/-0.1	1.5	0.60	22	0.21	20	5009204	●
35.0	±1.0	0.55	+0.2/-0.1	1.2	0.60	24	0.23	20	5009205	20
38.0	±1.0	0.6	+0.2/-0.1	1.2	0.60	27	0.24	20	5009206	20
40.0	±1.0	0.6	+0.2/-0.1	1.15	0.50	28	0.25	20	5009207	20
45.0	±1.0	0.6	+0.2/-0.1	1.15	0.50	31	0.28	20	5009208	20
51.0	±1.0	0.6	+0.2/-0.1	1.15	0.48	35	0.32	20	5009209	●
60.0	±1.0	0.6	+0.2/-0.1	1	0.30	42	0.39	20	5009210	20
63.0	±1.0	0.65	+0.2/-0.1	1	0.30	44	0.39	20	5009211	●
70.0	±1.5	0.7	+0.2/-0.1	1	0.26	49	0.50	20	5009212	20
76.0	±1.5	0.7	+0.2/-0.1	1	0.16	52	0.55	20	5009213	●
80.0	±1.5	0.7	+0.2/-0.1	1	0.16	56	0.60	20	5009214	20
90.0	±1.5	0.7	+0.2/-0.1	1	0.16	63	0.70	20	5009215	20
100.0	±1.5	0.7	+0.2/-0.1	1	0.16	70	0.81	20	5009216	●
102.0	±1.5	0.7	+0.2/-0.1	1	0.16	70	0.81	20	5009217	20
120.0	±1.5	0.75	+0.2/-0.1	0.8	0.16	84	0.95	20	5009218	20
125.0	±1.5	0.8	+0.2/-0.1	0.8	0.16	87	1.15	20	5009219	20
140.0	±1.5	0.85	+0.2/-0.1	0.6	0.16	98	1.28	20	5009220	20
152.0	±2.0	0.85	+0.2/-0.1	0.6	0.16	105	1.40	20	5009221	20
160.0	±2.0	0.9	+0.2/-0.1	0.5	0.16	112	1.60	20	5009222	20
180.0	±2.0	1.0	+0.2/-0.1	0.5	0.16	126	1.85	10	5009223	10
200.0	±2.0	1.1	+0.2/-0.1	0.4	0.16	140	2.00	10	5009224	10
250.0	±2.0	1.1	+0.2/-0.1	0.3	0.15	175	2.50	10	5009225	10

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





KLEGAINE GPU-M



MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Polyurethane

Ideal in the wood working industries, foundries and other general applications. Ideal for the conveyance of powders, abrasives particles, dust, sawdust, clips, 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: 30mm³.
Halogen and plastiziser free.

Couplings/Fittings

Standard: connexion by clamp.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	0.5 ±0.05	1.65	0.40	25	0.20	10	5009226	10
30.0	0.5 ±0.05	1.6	0.35	30	0.24	10	5009227	10
32.0	0.5 ±0.05	1.4	0.30	32	0.26	10	5604095	10
35.0	0.5 ±0.05	1.4	0.30	35	0.28	10	5009228	10
40.0	0.5 ±0.05	1.4	0.30	40	0.34	10	0085531	10
45.0	0.5 ±0.05	1.4	0.30	45	0.39	10	0085532	10
50.0	0.5 ±0.05	1.3	0.28	50	0.40	10	0085533	●
60.0	0.5 ±0.05	1.1	0.25	60	0.47	10	0085534	10
65.0	0.5 ±0.05	1.1	0.23	65	0.49	10	0085535	10
70.0	0.5 ±0.05	1	0.23	70	0.54	10	0085536	10
75.0	0.5 ±0.05	0.8	0.20	75	0.60	10	0085537	10
76.0	0.5 ±0.05	0.8	0.20	76	0.60	10	5009230	10
80.0	0.5 ±0.05	0.7	0.18	80	0.62	10	0085538	10
90.0	0.5 ±0.05	0.7	0.18	90	0.71	10	0085539	10
100.0	0.6 ±0.05	0.6	0.15	100	0.87	10	0085540	●
102.0	0.6 ±0.05	0.6	0.15	102	0.87	10	5009231	10
110.0	0.6 ±0.05	0.5	0.15	110	0.93	10	0085541	10
120.0	0.6 ±0.05	0.45	0.12	120	1.00	10	0085542	10
125.0	0.6 ±0.05	0.4	0.12	125	1.08	10	5009232	●
130.0	0.6 ±0.05	0.3	0.11	130	1.10	10	0085543	10
140.0	0.6 ±0.05	0.3	0.10	140	1.19	10	0085544	10
150.0	0.6 ±0.05	0.25	0.10	150	1.29	10	0085545	●
160.0	0.6 ±0.05	0.25	0.10	160	1.36	10	0085546	10
180.0	0.85 ±0.05	0.2	0.09	180	2.05	10	0085547	10
200.0	0.85 ±0.05	0.18	0.09	200	2.23	10	0085548	10
203.0	0.85 ±0.05	0.18	0.09	203	2.23	10	5009233	10
225.0	0.85 ±0.05	0.15	0.08	225	2.41	10	0085549	10
250.0	0.85 ±0.05	0.15	0.08	250	2.77	10	0085550	10
300.0	0.85 ±0.05	0.12	0.06	300	3.29	10	0085551	10
350.0	0.85 ±0.05	0.1	0.06	350	3.84	10	0085552	10
400.0	0.85 ±0.05	0.08	0.02	400	4.39	5	5009234	5
500.0	0.85 ±0.05	0.04	0.01	500	5.49	5	5009235	5

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAINE GPU-MS



MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Polyurethane

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 food grade 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, $R < 10^9 \Omega/m$: consult us.
Special properties: Abrasion ISO 4649: 40mm³. Option flame retardant, DIN 4102B1: consult us. Halogen and plastiziser free.
Standard/Approval: Food contact: EU regulation 10/2011/CE.

Couplings/Fittings

Standard: connexion by clamp.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	0.5 ±0.05	1.7	0.60	13	0.18	10	5009236	10
30.0	0.5 ±0.05	1.7	0.60	15	0.22	10	5009237	10
32.0	0.5 ±0.05	1.7	0.60	16	0.23	10	5009238	10
35.0	0.5 ±0.05	1.7	0.60	17	0.25	10	5009239	10
38.0	0.5 ±0.05	1.7	0.60	19	0.27	10	5009240	10
40.0	0.5 ±0.05	1.5	0.50	20	0.29	10	0201380	●
45.0	0.5 ±0.05	1.5	0.50	22	0.32	10	0201349	10
51.0	0.5 ±0.05	1.5	0.50	25	0.37	10	0201381	●
60.0	0.5 ±0.05	1.5	0.50	30	0.43	10	0201382	●
65.0	0.5 ±0.05	1.5	0.50	32	0.47	10	0201378	10
70.0	0.5 ±0.05	1.3	0.40	35	0.48	10	0201383	10
76.0	0.5 ±0.05	1.3	0.40	38	0.52	10	0201384	●
80.0	0.5 ±0.05	1	0.30	40	0.55	10	0201385	●
90.0	0.5 ±0.05	1	0.30	45	0.62	10	0201386	●
102.0	0.6 ±0.05	1	0.30	51	0.69	10	0201387	●
112.0	0.6 ±0.05	0.7	0.20	56	0.89	10	0201388	10
120.0	0.6 ±0.05	0.7	0.20	60	0.95	10	0201389	●
125.0	0.6 ±0.05	0.7	0.20	62	0.99	10	5009241	●
130.0	0.6 ±0.05	0.7	0.20	65	1.05	10	0201350	10
140.0	0.6 ±0.05	0.7	0.15	70	1.10	10	0201390	●
152.0	0.6 ±0.05	0.7	0.15	76	1.19	10	0201391	●
160.0	0.6 ±0.05	0.4	0.10	80	1.26	10	0201394	●
180.0	0.85 ±0.05	0.4	0.10	90	1.42	10	0201395	●
203.0	0.85 ±0.05	0.4	0.10	101	1.87	10	0201392	●
232.0	0.85 ±0.05	0.4	0.10	116	2.20	10	0085060	10
254.0	0.85 ±0.05	0.3	0.08	125	2.36	10	0201396	●
300.0	0.85 ±0.05	0.3	0.08	150	2.79	10	0085207	●
305.0	0.85 ±0.05	0.3	0.08	152	2.81	10	5009242	10
350.0	0.85 ±0.05	0.3	0.08	175	3.30	10	0085040	10
400.0	0.85 ±0.05	0.15	0.08	200	5.12	5	5009243	5
500.0	0.85 ±0.05	0.15	0.08	250	6.40	5	5009244	5

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAINE GPU-S



MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Polyurethane

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: 30mm³. Halogen and plastiziser free.

Couplings/Fittings

Standard: connexion by clamp.
Option: can be screwed into the couplings.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
40.0	1.4 ±0.05	2.3	0.70	60	0.56	10	0085553	10
50.0	1.4 ±0.05	1.9	0.60	75	0.67	10	0085555	10
51.0	1.4 ±0.05	1.9	0.60	76.5	0.68	10	5009245	10
60.0	1.4 ±0.05	1.8	0.55	90	0.79	10	0085650	●
65.0	1.4 ±0.05	1.5	0.50	97.5	0.85	10	0085556	10
70.0	1.4 ±0.05	1.5	0.50	105	0.92	10	0085557	10
76.0	1.4 ±0.05	1.2	0.50	114	1.01	10	0085558	10
80.0	1.4 ±0.05	1.2	0.45	120	1.09	10	0085651	10
90.0	1.4 ±0.05	1.1	0.45	135	1.23	10	0085559	10
100.0	1.4 ±0.05	1.1	0.40	150	1.36	10	0085560	10
102.0	1.4 ±0.05	1.1	0.40	153	1.36	10	5009246	10
110.0	1.4 ±0.05	1	0.35	165	1.38	10	0085561	10
120.0	1.4 ±0.05	0.9	0.30	180	1.42	10	0085652	10
127.0	1.4 ±0.05	0.8	0.25	195	1.57	10	0085562	10
140.0	1.4 ±0.05	0.7	0.20	210	1.75	10	0085563	10
150.0	1.4 ±0.05	0.7	0.20	225	1.82	10	0085564	10
160.0	1.4 ±0.05	0.6	0.20	240	2.15	10	0085653	10
180.0	1.4 ±0.05	0.5	0.15	270	2.55	10	0085565	10
200.0	1.4 ±0.05	0.5	0.15	300	2.92	10	5009247	10
203.0	1.4 ±0.05	0.5	0.15	304.5	2.97	10	0085566	10
225.0	1.4 ±0.05	0.3	0.10	337.5	3.21	10	0085567	10
250.0	1.4 ±0.05	0.3	0.10	375	3.57	10	5009248	10
254.0	1.4 ±0.05	0.3	0.10	381	3.65	10	0085568	10
300.0	1.4 ±0.05	0.3	0.10	450	4.31	10	0085569	10

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





KLEGAIN GTPK

MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Elastomer-coated fibre cord

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

TPR.
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.

Complementary information

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0	0.4 ±0.03	0.45	0.2	18	0.11	10	5010455	10
29.0	0.4 ±0.03	0.4	0.2	21	0.13	10	5010456	10
32.0	0.4 ±0.03	0.35	0.2	21	0.17	10	5010457	10
35.0	0.4 ±0.03	0.35	0.15	24	0.17	10	5010458	10
38.0	0.4 ±0.03	0.35	0.15	28	0.24	10	5010459	10
41.0	0.4 ±0.03	0.35	0.15	28	0.26	10	5010460	10
45.0	0.4 ±0.03	0.35	0.12	28	0.32	10	5010464	10
51.0	0.4 ±0.03	0.35	0.1	35	0.36	10	5010331	●
60.0	0.4 ±0.03	0.35	0.08	42	0.43	10	5010466	●
63.0	0.4 ±0.03	0.3	0.08	49	0.48	10	5010462	10
70.0	0.4 ±0.03	0.3	0.08	70	0.50	10	5010463	10
76.0	0.4 ±0.03	0.2	0.07	53	0.54	10	5010465	●
80.0	0.4 ±0.03	0.2	0.06	56	0.60	10	5010046	10
90.0	0.4 ±0.03	0.15	0.05	62	0.67	10	5010461	●
102.0	0.4 ±0.03	0.15	0.05	70	0.74	10	5010467	●
127.0	0.4 ±0.03	0.13	0.04	88	0.93	10	5009353	10
130.0	0.4 ±0.03	0.13	0.04	92	0.97	10	5009354	10
150.0	0.4 ±0.03	0.11	0.04	97	1.09	10	5009355	10
152.0	0.4 ±0.03	0.11	0.04	98	1.10	10	5009356	10
160.0	0.4 ±0.03	0.1	0.03	105	1.16	10	5008375	10
180.0	0.4 ±0.03	0.09	0.03	130	1.30	10	5008376	10
200.0	0.4 ±0.03	0.08	0.02	140	1.79	10	5009357	10
203.0	0.4 ±0.03	0.08	0.03	140	1.80	10	5008377	10
250.0	0.4 ±0.03	0.07	0.02	175	2.23	10	5008378	10
300.0	0.4 ±0.03	0.05	0.01	210	2.68	10	5008380	10
350.0	0.4 ±0.03	0.05	0.01	210	2.80	10	5008381	10
400.0	0.4 ±0.03	0.04	0.01	280	3.58	5	5009358	5
500.0	0.4 ±0.03	0.03	0.01	350	4.47	5	5009359	5

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAINE GTNR



MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Elastomer-coated fibre cord

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.

Technical description

Neoprene-coated glass fibre cord, black, reinforced by one white glass fibre yarn, corrugated cover.

Reinforcement: Steel helix, visible.

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

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	0.35	1.43	0.50	10	0.09	4	5503607	4
25.0	0.35	1.33	0.50	12	0.13	4	0070732	4
32.0	0.35	1.23	0.50	16	0.15	4	0070733	4
38.0	0.35	1.2	0.50	19	0.17	4	1710980	●
41.0	0.35	1.18	0.45	20	0.19	4	0070734	4
44.0	0.35	1.18	0.45	20	0.21	4	0070735	4
51.0	0.35	1.18	0.41	22	0.25	4	0085294	4
60.0	0.35	1.04	0.41	26	0.29	4	0070736	4
63.0	0.35	1.04	0.41	26	0.31	4	0085016	4
70.0	0.35	1.04	0.36	26	0.38	4	0070737	4
76.0	0.35	1.04	0.33	27	0.42	4	0085374	4
80.0	0.35	0.99	0.30	28	0.47	4	0085435	4
89.0	0.35	0.89	0.29	29	0.52	4	0085375	4
102.0	0.35	0.84	0.25	33	0.56	4	0085436	4
114.0	0.35	0.74	0.18	35	0.70	4	0085376	4
121.0	0.35	0.69	0.17	35	0.77	4	0085473	4
127.0	0.35	0.69	0.16	38	0.80	4	0085437	4
140.0	0.35	0.69	0.13	43	0.95	4	0085296	4
152.0	0.35	0.69	0.13	43	1.04	4	0085438	4
165.0	0.35	0.49	0.10	48	1.18	4	0070738	4
178.0	0.35	0.49	0.10	53	1.21	4	0085490	4
203.0	0.35	0.49	0.07	57	1.39	4	0085439	4
215.0	0.35	0.49	0.07	62	1.39	4	5008382	4
229.0	0.35	0.4	0.06	68	1.81	4	0070739	4
254.0	0.35	0.32	0.04	72	2.00	4	0085440	4
305.0	0.35	0.26	0.03	85	2.41	4	0085441	4

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAIN GTSI

MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Elastomer-coated fibre cord

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 extreme 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.

Technical description

Silicone-coated glass fibre cord, red, reinforced by one white glass fibre yarn, corrugated cover.

Reinforcement: Steel helix, visible.

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

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	0.2 ±0.03	1.43	0.50	9.5	0.09	4	5503605	4
25.0	0.2 ±0.03	1.38	0.50	12.5	0.12	4	0070754	4
32.0	0.2 ±0.03	1.33	0.50	16	0.13	4	0085005	4
38.0	0.2 ±0.03	1.23	0.41	19	0.17	4	0085033	4
41.0	0.2 ±0.03	1.23	0.41	20.5	0.18	4	5009371	4
44.0	0.2 ±0.03	1.23	0.41	22	0.19	4	0085006	4
51.0	0.2 ±0.03	1.23	0.41	25.5	0.25	4	0085383	4
60.0	0.2 ±0.03	1.18	0.41	30	0.29	4	0085394	4
63.0	0.2 ±0.03	0.99	0.33	31.5	0.30	4	0085398	4
70.0	0.2 ±0.03	0.99	0.33	35	0.40	4	0085303	4
76.0	0.2 ±0.03	0.99	0.33	38	0.41	4	0085489	4
80.0	0.2 ±0.03	0.94	0.30	40	0.44	4	0085307	4
89.0	0.2 ±0.03	0.94	0.29	44.5	0.50	4	0085493	4
102.0	0.2 ±0.03	0.89	0.25	51	0.57	4	0085495	4
114.0	0.2 ±0.03	0.74	0.22	57	0.69	4	0070755	4
121.0	0.2 ±0.03	0.74	0.22	60.5	0.76	4	5008104	4
127.0	0.2 ±0.03	0.69	0.21	63.5	0.81	4	0085401	4
140.0	0.2 ±0.03	0.69	0.16	70	0.88	4	0070756	4
152.0	0.2 ±0.03	0.69	0.16	76	1.05	4	0085045	4
165.0	0.2 ±0.03	0.49	0.10	82.5	1.08	4	0070757	4
178.0	0.2 ±0.03	0.49	0.10	89	1.21	4	0085402	4
203.0	0.2 ±0.03	0.49	0.07	101.5	1.38	4	0085308	4

Tolerance on length: ±1% (ISO 1307 Standard).





MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Elastomer-coated fibre cord

Extreme temperature ducting for conveying air or 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 extreme temperature. Ideal for air intake to cool motors.

Advantages

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

Technical description

Inner tube: silicone-coated glass fibre cord, red, smooth.

Reinforcement: steel embedded helix.

Cover: silicone-coated glass fibre cord, red, corrugated, reinforced by two white glass fibre yarns.

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

Technical data for working conditions at 20°C temperature.

ID mm	Wall thickness mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	0.4 ±0.03	2.17	0.5	19	0.11	4	5010844	4
25.0	0.4 ±0.03	1.97	0.50	25	1.97	4	0070760	4
32.0	0.4 ±0.03	1.78	0.50	32	0.18	4	0085052	4
38.0	0.4 ±0.03	1.68	0.41	38	0.21	4	0085625	4
41.0	0.4 ±0.03	1.68	0.41	41	0.24	4	5009387	4
44.0	0.4 ±0.03	1.68	0.41	44	0.26	4	0070762	4
51.0	0.4 ±0.03	1.68	0.41	51	0.29	4	0085302	4
60.0	0.4 ±0.03	1.48	0.41	60	0.34	4	0085389	4
63.0	0.4 ±0.03	1.38	0.33	63	0.35	4	0085309	4
70.0	0.4 ±0.03	1.38	0.33	70	0.44	4	0085094	4
76.0	0.4 ±0.03	1.38	0.33	76	0.47	4	0085054	4
80.0	0.4 ±0.03	1.38	0.30	80	0.50	4	0085041	4
83.0	0.4 ±0.03	1.38	0.30	83	0.51	4	5009250	4
89.0	0.4 ±0.03	1.38	0.29	89	0.55	4	0085036	4
102.0	0.4 ±0.03	0.99	0.25	102	0.61	4	0085042	4
114.0	0.4 ±0.03	0.79	0.22	114	0.79	4	0085382	4
121.0	0.4 ±0.03	0.69	0.22	121	0.81	4	5008013	4
127.0	0.4 ±0.03	0.69	0.21	127	0.86	4	0070763	4
140.0	0.4 ±0.03	0.54	0.16	140	0.94	4	0070764	4
152.0	0.4 ±0.03	0.54	0.16	152	1.10	4	0085442	4
165.0	0.4 ±0.03	0.44	0.10	165	1.20	4	1711360	4
178.0	0.4 ±0.03	0.44	0.10	178	1.27	4	0070765	4
203.0	0.4 ±0.03	0.35	0.07	203	1.39	4	1711370	4

Tolerance on length: ±1% (ISO 1307 Standard).





KLEGAINE GHYP

MANUFACTURING & MACHINE TOOLS

Industrial ducting hoses/Elastomer-coated fibre cord

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

Advantages

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

Technical description

Hypalon coated-polyester.

Metal clipped helix.

Inner tube: green.

Cover: black.

Temperature range: -40°C to +175°C.

Complementary information

Technical data for working conditions at 20°C temperature.

1: metal clip helix - 2: Hypalon.

ID mm	Working pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
50.0	0.85	0.40	30	0.40	10	5501568	10
60.0	0.78	0.28	36	0.48	10	5501569	10
70.0	0.67	0.22	40	0.55	10	5501570	10
76.0	0.6	0.17	45	0.60	10	5501571	10
80.0	0.58	0.16	48	0.62	10	5501572	10
90.0	0.5	0.11	60	0.65	10	5501628	10
102.0	0.5	0.10	60	0.65	10	5501573	10
110.0	0.48	0.08	66	0.70	10	5501574	10
120.0	0.35	0.06	72	0.72	10	5501575	10
127.0	0.32	0.06	75	0.80	10	5501576	10
130.0	0.25	0.06	85	0.89	10	5501629	10
152.0	0.22	0.04	90	0.90	10	5501577	10
160.0	0.21	0.04	96	0.94	10	5501578	10
180.0	0.17	0.03	108	1.05	10	5501579	10
203.0	0.15	0.01	120	1.21	10	5501580	10
254.0	0.1	0.01	175	1.70	10	5501581	10
305.0	0.07	0.01	210	2.13	10	5501582	10
350.0	0.06	0.01	245	2.50	10	5501583	10
407.0	0.05	0.01	280	3.15	5	5501584	5
450.0	0.04	0.01	360	3.10	5	5501630	5
508.0	0.04	0.01	400	4.15	5	5501585	5
550.0	0.03	0.004	400	3.40	5	5501631	5
600.0	0.03	0.003	480	4.08	5	5501586	5
700.0	0.02	0.002	560	4.76	5	5501587	5
800.0	0.02	0.002	639	5.44	5	5501588	5
900.0	0.02	0.001	719	6.12	5	5501589	5
1000.0	0.02	0.001	799	6.80	5	5501590	5


Tolerance on length: ±1% (ISO 1307 Standard).

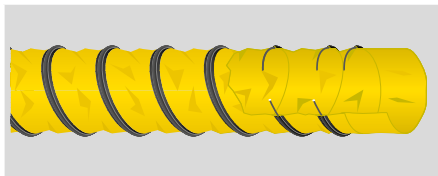




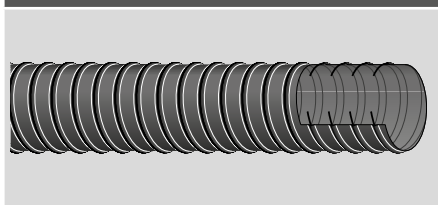
MANUFACTURING & MACHINE TOOLS

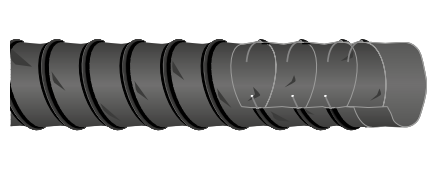
Industrial ducting hoses/PVC Diam. (mm) Temp. (°C)

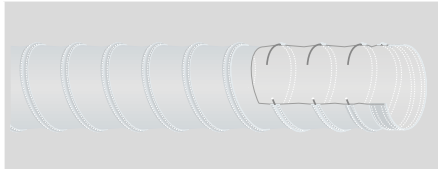
	<p>KLEGAINE GM1V-S PVC-coated glass fibre cord, grey.</p>	<p>Ultra light weight and flexible ducting, highly flame resistant for: - air conditioning and ventilation, - ventilation of enclosed working places, - fumes and hot particles. Use when a risk of fire exists or when the french M1 standard is required.</p>	<p>30-500</p>	<p>- 30/+ 100</p>
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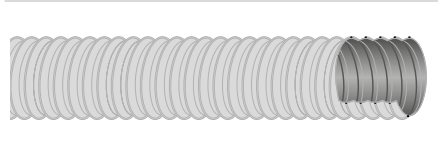
	<p>KLEGAINE GLV PVC-coated polyester fibre cord, yellow, sewn in spiral onto a spring steel helix. An exterior black PVC scuff strip protects the helix.</p>	<p>Used to convey air for aeration, ventilation and heating (Hot air generator, navy, fire fighting, airports, etc. Possible options for mining and tunnelling.). Dog agility.</p>	<p>125-1000</p>	<p>0/+ 95</p>
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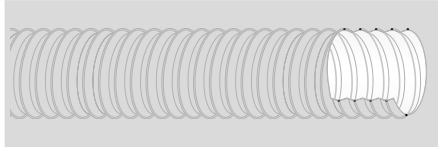
Industrial ducting hoses/Elastomer-coated fibre cord Diam. (mm) Temp. (°C)

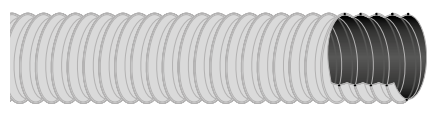
	<p>KLEGAINE GTNR + Neoprene-coated glass fibre cord, grey, reinforced by two white glass fibre yarns, corrugated.</p>	<p>For conveying hot and cold air, fumes, or light non-abrasive dust at low pressures when maximum flexibility is required. For light duty service conditions. Excellent for installations where space is at a premium and manoeuvrability is required. Ideal for air intake to cool motors.</p>	<p>19-203</p>	<p>- 50/+ 150</p>
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	<p>KLEGAINE GTLN Neoprene-coated glass fibre cord, black, swen in spiral onto a spring steel helix. An exterior black TPE scuff strip protects the helix.</p>	<p>For handling air and hot fumes. Hot air generator: civil or military.</p>	<p>125-1000</p>	<p>- 40/+ 120 Intermittent: + 150°C</p>
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	<p>KLEGAINE GTLS Silicone-coated glass fibre cord, silver grey, sewn in spiral onto a spring steel helix. An exterior scuff strip of the same material protects the helix.</p>	<p>For handling very hot air and fumes.</p>	<p>125-1000</p>	<p>- 50/+ 300</p>
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	<p>KLEGAINE GHT 450 Flexible and lighth ducting, made with 2 layers of coated glass fibre cord. Metal clipped helix.</p>	<p>Extreme temperature ducting for conveying hot air, gas and dust in any industrial environment: steel industry, etc.</p>	<p>50-900</p>	<p>- 30/+ 450 500°C temporarily</p>
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	<p>KLEGAINE GHT 650 Flexible and lighth ducting, made with 2 layers of coated glass fibre. Metal clipped helix.</p>	<p>Extreme temperature ducting for conveying hot, air, gas and dust in any industrial environment: steel industry.</p>	<p>50-900</p>	<p>- 20/+ 650 700°C temporarily</p>
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	<p>KLEGAINE GHYP TEF Hypalon coated-fibre cord. Metal clipped helix. Conductive Teflon® <10°Ω/m.</p>	<p>Ducting for chemical air, gas and dust in any industrial environment, where electrical conductivity is mandatory.</p>	<p>50-1000</p>	<p>- 40/+ 175</p>
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AG 1000 HT

MANUFACTURING & MACHINE TOOLS

Exhaust gas hoses

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.

Reinforcement: EPDM-coated polyester, black.

Cover: 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	Article number	Stock (●) or min. order m
32.0	1.0	0.60	40	0.28	10	1977880	40
38.0	1.0	0.55	50	0.32	10	1977840	50
45.0	1.0	0.50	55	0.34	10	1977890	160
51.0	1.0	0.40	65	0.42	10	2860230	●
63.0	1.0	0.30	80	0.53	10	2210510	●
76.0	1.0	0.25	95	0.60	10	2059150	●
102.0	1.0	0.20	110	0.85	10	2059160	●
127.0	1.0	0.15	130	1.04	10	1693510	●
152.0	1.0	0.10	140	1.24	10	1692920	●
204.0	1.0	0.03	190	1.68	10	2955920	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AG 1000 LT

MANUFACTURING & MACHINE TOOLS

Exhaust gas hoses

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.

Reinforcement: 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	Article number	Stock (●) or min. order m
51.0	1.0	0.40	65	0.42	10	5015842	60
76.0	1.0	0.25	95	0.60	10	5014503	80
102.0	1.0	0.20	110	0.74	10	5014504	50
127.0	1.0	0.15	130	0.91	10	5014505	90
152.0	1.0	0.10	140	1.10	10	5014506	60

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





Marine Construction & Equipment



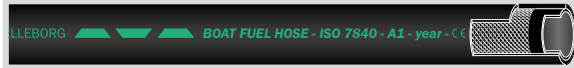
Boat equipment/Water



BOAT SANITARY HOSE

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Boat equipment/Oil



BOAT FUEL HOSE ISO 7840 A1

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Boat equipment/Exhaust gas



AG 2100 MARINE SMOOTH

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AG 2100 MARINE CORRUGATED

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BOAT SANITARY HOSE

MARINE CONSTRUCTION & EQUIPMENT

Boat equipment/Water

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, smooth.

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	Article number	Stock (●) or min. order m
16.0	5.25 ±0.75	27.0 ±1.00	10	32	0.8	60	0.55	40	5010362	240
20.0	5.25 ±0.75	31.0 ±1.00	10	32	0.8	80	0.63	20	0129641	240
								40	0129642	●
25.0	5.25 ±0.75	36.0 ±1.00	10	32	0.8	100	0.74	20	0061417	200
								40	0061418	200
38.0	5.25 ±0.75	49.0 ±1.00	10	32	0.8	160	1.05	20	0129646	●
								40	0129647	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





BOAT FUEL HOSE ISO 7840 A1

MARINE CONSTRUCTION & EQUIPMENT

Boat equipment/Oil

Fire resistant fuel line hose in boat applications.

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>25mm.

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

Temperature range: -30°C to +100°C.

Standard/Approval:

SAE J1527:2011 USGC type A-class 1 and class 2-style R1 and R2. Lloyd's approved.

ISO 7840:2018-A type 1. Lloyd's approved.

Complementary information

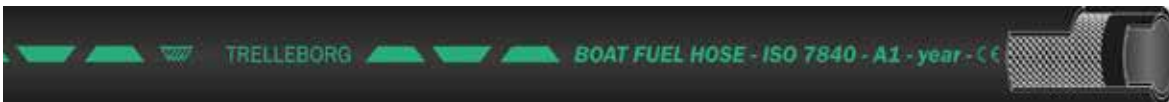
Other dimensions available on request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Type	Article number	Stock (●) or min. order m
5.0	4.0	13.0 ±0.5	3.4	14	0.8	20	0.15	20	R1	5514031	1980
								40	R1	5514032	1960
6.3	4.1	14.5 ±0.8	3.4	14	0.8	23	0.18	20	R1	5514033	1980
								40	R1	5514034	1960
8.0	4.0	16.0 ±0.8	3.4	14	0.8	25	0.20	20	R1	5514035	□
								40	R1	5514036	●
10.0	4.25	18.5 ±0.9	3.4	14	0.8	35	0.24	20	R1	5514037	□
								40	R1	5514038	●
12.7	4.25	21.0 ±0.9	2.5	10	0.7	45	0.29	20	R1	5514039	□
								40	R1	5514040	●
16.0	4.5	25.0 ±0.9	2.5	10	0.7	65	0.38	20	R1	5514041	□
								40	R1	5514042	●
19.0	4.75	28.5 ±0.9	2.5	10	0.7	80	0.46	20	R1	5514043	□
								40	R1	5514044	●
25.0	5.0	35.0 ±1.4	2.5	10	0.7	110	0.60	20	R1	5514045	□
								40	R1	5514046	●
								40	R2	59011424	200
32.0	5.0	42.0 ±1.0	2.5	10	0.9	128	0.96	40	R2	59011425	200
								40	R2	59011426	200
								40	R2	59011427	200
40.0	5.0	50.0 ±1.0	2.5	10	0.9	160	1.16	40	R2	59011428	200
51.0	6.0	63.0 ±1.0	2.5	10	0.9	204	1.70	40	R2	59011429	200
63.0	6.0	75.0 ±1.0	2.5	10	0.9	252	2.14	40	R2	59011431	200

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

R1, 5-25mm



R2, 19-63mm





MARINE CONSTRUCTION & EQUIPMENT

Boat equipment/Exhaust gas

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	Article number	Stock (●) or min. order m
32.0	5.0 ±0.50	42.0 ±1.0	5	15	0.9	76	0.85	20	0061815	160
								40	0061814	160
40.0	5.0 ±0.50	50.0 ±1.0	5	15	0.9	88	1.07	20	0061817	200
								40	0061816	200
45.0	5.0 ±0.50	55.0 ±1.0	5	15	0.9	95	1.25	20	0061819	200
								40	0061818	200
50.0	6.0 ±0.50	62.0 ±1.0	5	15	0.9	120	1.68	20	0061821	200
								40	0061820	200
57.0	6.0 ±0.50	69.0 ±1.0	5	15	0.9	150	1.85	20	5500688	80
								40	5500689	80
60.0	6.0 ±0.75	72.0 ±1.5	5	15	0.9	180	1.86	20	0061823	120
								40	0061822	120
63.0	6.0 ±0.75	75.0 ±1.5	5	15	0.9	210	2.00	20	0061825	120
								40	0061824	120
76.0	6.5 ±0.75	89.0 ±1.5	5	15	0.9	213	2.75	20	0061827	120
								40	0061826	120
89.0	6.5 ±0.75	102.0 ±1.5	5	15	0.9	225	3.18	20	0061829	120
								40	0061828	120
102.0	6.5 ±1.00	115.0 ±2.0	5	15	0.9	294	3.68	20	0061831	120
								40	0061830	120
127.0	7.0 ±1.00	141.0 ±2.0	4	12	0.8	490	4.29	20	5500690	80
								40	5500691	80
152.0	7.5 ±1.00	167.0 ±2.0	4	12	0.8	650	5.02	20	5500692	80
								40	5500693	80

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





MARINE CONSTRUCTION & EQUIPMENT

Boat equipment/Exhaust gas

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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
76.0	5.0 ±0.6	86.0 ±1.2	5	15	0.9	175	1.81	20	5500796	40
								40	0071151	40
90.0	5.0 ±0.7	100.0 ±1.3	5	15	0.9	200	2.16	20	0071152	40
								40	5500797	40
102.0	5.0 ±0.7	112.0 ±1.3	5	15	0.9	220	2.42	20	0071153	80
								40	5500798	80
127.0	5.5 ±0.7	138.0 ±1.4	4	12	0.9	250	2.97	20	0071154	80
								40	5500799	80
152.0	5.5 ±0.7	163.0 ±1.4	4	12	0.9	350	3.52	20	0071155	40
								205.0	6.5 ±1.0	217.0 ±2.0

Tolerance on length: ±1% (ISO 1307 Standard).



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











Material Handling



Bulk tank truck/Suction and discharge applications

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Air line

	CALIKLER HT	167
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MATERIAL HANDLING

Bulk tank truck discharge

Delivery hose to transfer abrasive material such as cement, sand, etc.

Technical description

Inner tube: natural rubber, black, smooth.

Reinforcement: synthetic textile and antistatic wire.

Cover: synthetic SBR rubber, black, fabric impression.

Temperature range: -30°C to +80°C.

Electrical properties: Conductive tube.

ATEX and TRGS 727 approval for hazardous areas.



ID mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
75.0	93.0 ±1.2	7	21	2.77	40	5513666	●
90.0	101.0 ±1.2	7	21	2.00	40	5513795	●
	106.0 ±1.2			2.89	40	5513667	●
100.0	120.0 ±1.2	7	21	4.08	40	5513668	●
102.0	119.0 ±1.2	7	21	3.00	40	5513713	●
	122.0 ±1.2			4.00	40	5513714	●
110.0	123.0 ±1.2	7	21	3.00	40	5513796	●
127.0	145.0 ±1.2	7	21	4.49	40	5513669	120
152.0	172.0 ±1.2	7	21	5.61	40	5513670	40

Tolerance on length: ±1% (ISO 1307 Standard).





SUPERVRAC

MATERIAL HANDLING

Bulk tank truck discharge

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	Article number	Stock (●) or min. order m
75.0	6.75 ±1.25	88.5 ±2.0	7	21	1.83	20	0060675	120
						40	0060674	120
89.0	6.25 ±1.25	101.5 ±2.0	7	21	2.07	20	0060189	□
						40	0060193	●
100.0	6.0 ±1.00	112.0 ±1.5	7	21	2.40	20	0060682	●
						40	0060683	●
110.0	6.5 ±1.25	123.0 ±2.0	7	21	2.71	20	0129701	120
						40	0129702	120
127.0	8.5 ±1.25	144.0 ±2.0	7	21	4.20	20	0060194	●
						40	0060195	●
152.0	8.5 ±1.25	169.0 ±2.0	7	21	5.00	20	0060684	●
						40	5006696	200
						20	0060685	120
						40	0060686	●
						20	0060689	120
						40	0060690	120

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRUCK 10 SD

MATERIAL HANDLING

Bulk tank truck/Suction and discharge

Suction and delivery hose to transfer abrasive material such as cement, sand, etc.

Technical description

Inner tube: natural rubber, black, smooth.

Reinforcement: synthetic textile, embedded steel helix and antistatic wire.

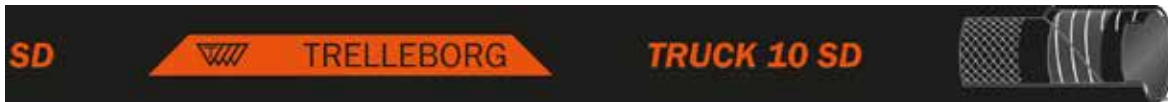
Cover: synthetic SBR rubber, black, fabric impression.

Temperature range: -30°C to +80°C.

Electrical properties: conductive tube.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
76.0	98.0 ±1.6	10	30	0.9	320	4.10	40	5513675	●
90.0	108.0 ±1.6	10	30	0.9	360	4.18	40	5513676	80
102.0	126.0 ±1.6	10	30	0.9	410	5.90	40	5513677	●
127.0	153.0 ±1.6	10	30	0.9	510	8.80	40	5513678	●
152.0	178.0 ±1.6	10	30	0.9	610	10.40	40	5513679	40

Tolerance on length: ±1% (ISO 1307 Standard).





MATERIAL HANDLING

Bulk tank truck discharge

Abrasive food material delivery hose for food industry such as grain, PVC granules.

Technical description

Inner tube: natural rubber, white, smooth.

Reinforcement: synthetic textile and antistatic wire.

Cover: synthetic SBR rubber, black, fabric impression.

Temperature range: -30°C to +80°C.

Standard/Approval:

EU regulations No. 1935/2004.

FDA 21 CFR 177.2600.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
75.0	93.0 ±1.2	7	21	2.79	40	5513671	●
90.0	102.0 ±1.2	7	21	2.14	40	5513672	●
100.0	118.0 ±1.2	7	21	3.80	40	5513673	●
102.0	122.0 ±1.2	7	21	4.32	40	5513715	●
110.0	123.0 ±1.2	7	21	2.00	40	5503293	●
127.0	144.0 ±1.2	7	21	4.02	40	5513674	80

Tolerance on length: ±1% (ISO 1307 Standard).





SUPERVRAC AL EC

MATERIAL HANDLING

Bulk tank truck discharge

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: foodgrade abrasion resistant NBR, white, smooth.

Reinforcement: synthetic textile.

Cover: abrasion and weather resistant NBR/PVC, green, 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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Weight kg/m	Length m	Article number	Stock (●) or min. order m
75.0	9.0 ±1.25	93.0 ±1.5	7	21	2.77	20	5513061	□
						40	5513062	●
89.0	6.0 ±1.00	101.0 ±1.5	7	21	2.07	20	5513063	●
						40	5513064	●
100.0	9.0 ±1.25	118.0 ±1.5	7	21	3.58	20	5513065	□
						40	5513066	●
110.0	6.0 ±1.25	122.0 ±1.5	7	21	2.53	20	5513067	●
						40	5513068	●
125.0	8.5 ±1.25	142.0 ±2	7	21	3.90	20	5513153	120
						40	5513154	120

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year





SUPERVRAC TAN

MATERIAL HANDLING

Bulk tank truck discharge

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, beige, 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	Article number	Stock (●) or min. order m
75.0	6.0 ±1.25	87.0 ±1.5	7	21	1.72	20	0070661	120
						40	0125111	120
89.0	6.0 ±1.25	101.0 ±1.5	7	21	1.98	20	0060614	●
						40	0060615	●
100.0	6.0 ±1.25	112.0 ±1.2	7	21	2.24	20	0070664	120
						40	0070665	120
110.0	6.5 ±1.25	123.0 ±1.5	7	21	2.50	20	0060617	●
						40	0060618	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





MATERIAL HANDLING

Air line

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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
50.0	7.0 ±1	64.0 ±1.5	3	18	0.8	125	1.81	20	0060213	●
								40	0060212	●
55.0	6.5 ±1	68.0 ±1.5	3	18	0.8	140	1.84	20	0200589	120
								40	0200588	120
60.0	6.5 ±1	73.0 ±1.5	3	18	0.8	150	1.98	20	0070666	120
								40	0070667	120
70.0	7.0 ±1	84.0 ±1.5	3	18	0.8	210	2.63	20	0200591	●
								40	0200590	120
75.0	7.5 ±1	90.0 ±1.5	3	18	0.8	225	2.96	20	0060215	●
								40	0060214	●
89.0	7.0 ±1	103.0 ±1.5	3	18	0.8	310	3.26	20	0200593	●
								40	0200592	120

Tolerance on length: ±1% (ISO 1307 Standard).






Digital version


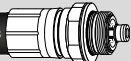





Steam

 STEAM 6 - EN ISO 6134:2005 - 1A - STEAM - 6 BAR - 164°C - ND - Ω - 1Q/16	STEAM 6	170
 PETROVAST - ISO 6134:2017 - 2A - STEAM - 18 BAR (1.8 MPA) - 210°C - ID - Ω - quarter/year - Made in France	PETROVAST	171
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 S 2096 - ISO 6134:2017 - 2A - STEAM - 18 BAR (1.8 MPA) - 210°C - ND - M - quarter/year - Made in France	S 2096	174
 SUPERVAST - EN ISO 6134:2017 - 2B - STEAM - 18 BAR (1.8 MPA) - 210°C - ID - M - quarter/year - Made in France	SUPERVAST	175

Oil and petroleum/Petrol pumps

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Oil and petroleum/Fuel delivery

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Oil and petroleum/LPG delivery

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Oil & Gas




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OIL & GAS

Steam

Low pressure steam hose.

Technical description

Inner tube: synthetic EPDM rubber, black, smooth.

Reinforcement: synthetic textile.

Cover: synthetic EPDM rubber, black, fabric impression.

Temperature range: -30°C to +164°C.

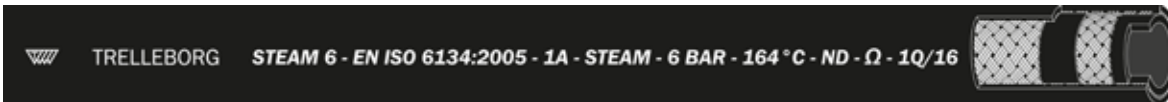
Electrical properties: R<1MΩ/g.

Standard/Approval:

EN ISO 6134:2017 type 1 class A.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	33.0 ±1	6	60	190	0.69	40	5513647	●
25.0 ±0.5	40.0 ±1	6	60	250	0.96	40	5513648	●
32.0 ±0.5	48.0 ±1	6	60	320	1.26	40	5513649	●
38.0 ±0.5	54.0 ±1.2	6	60	380	1.45	40	5513650	●
51.0 ±0.7	69.0 ±1.4	6	60	500	1.86	40	5513651	400

Tolerance on length: ±1% (ISO 1307 Standard).





OIL & GAS

Steam

High pressure steam hose.

Technical description

Inner tube: synthetic EPDM rubber, black, smooth.

Reinforcement: steel braid.

Cover: synthetic EPDM rubber, black, fabric impression.

Temperature range: -30°C to +210°C.

Electrical properties: R<1MΩ/g.

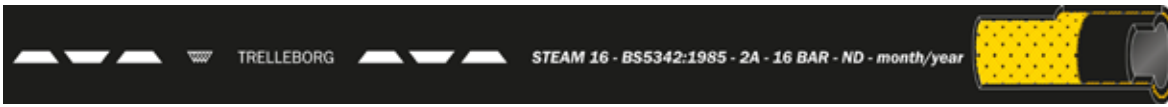
Standard/Approval:

BS 5342:1985 type 2 class A.

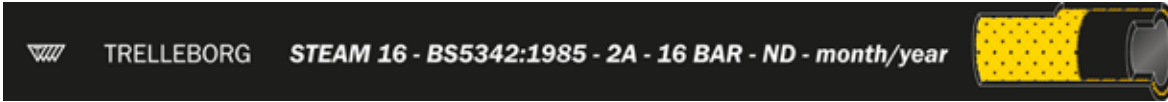
ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0 ±0.75	24.0 ±1	16	160	150	0.47	40	5513652	1200
16.0 ±0.75	28.0 ±1	16	160	190	0.59	40	5513653	840
19.0 ±0.75	32.0 ±1	16	160	230	0.73	40	5513654	1200
25.0 ±0.75	38.0 ±1	16	160	300	0.93	40	5513655	720
32.0 ±0.75	48.0 ±1	16	160	380	1.44	40	5513656	600
38.0 ±0.75	54.0 ±1.2	16	160	380	1.75	40	5513657	600
51.0 ±0.75	69.0 ±1.4	16	160	500	2.31	40	5513658	400

Tolerance on length: ±1% (ISO 1307 Standard).

13-25mm:



32-51mm:





OIL & GAS

Steam

High pressure steam hose.

Technical description

Inner tube: synthetic EPDM rubber, black, smooth.

Reinforcement: steel braid.

Cover: synthetic EPDM rubber, red, fabric impression.

Temperature range: -30°C to +210°C.

Electrical properties: R<1MΩ/g.

Standard/Approval: BS5342:1985 type 2 class A.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0 ±0.75	24.0 ±1	16	160	150	0.51	40	5513659	●
16.0 ±0.75	28.0 ±1	16	160	190	0.64	40	5513660	840
19.0 ±0.75	32.0 ±1	16	160	230	0.80	40	5513661	●
						60	5514008	2400
25.0 ±0.75	38.0 ±1	16	160	300	1.00	40	5513662	●
						60	5514009	720
32.0 ±0.75	48.0 ±1	16	160	320	1.44	40	5513663	600
38.0 ±0.75	54.0 ±1.2	16	160	380	1.75	40	5513664	600
51.0 ±0.75	69.0 ±1.4	16	160	500	2.31	40	5513665	●

Tolerance on length: ±1% (ISO 1307 Standard).

13-25mm:



32-51mm:





S 2096

OIL & GAS

Steam

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=60bar.
 Saturated steam: +210°C/18bar.
 Superheated steam: +230°C/18bar.
Electrical properties: conductive tube, R<10⁶Ω/lg.
Standard/Approval:
 ISO 6134:2017 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 (steam) bar	Working pressure (water) bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	7.0	33.0 ±1.0	18	60	180	190	0.77	20	5015502	●
			18	60				40	5015503	●
			18	60				60	5015504	●
25.0 ±0.5	7.5	40.0 ±1.0	18	60	180	250	1.06	20	5015506	●
			18	60				40	5015507	●
			18	60				60	5015508	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





OIL & GAS

Steam

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=60bar.
 Saturated steam: +210°C/18bar.
 Superheated steam: +230°C/18bar.
Electrical properties: conductive tube, $R < 10^6 \Omega / \text{lg}$.
Standard/Approval:
 ISO 6134:2017 type 2 class B.

ID mm	Wall thickness mm	OD mm	Working pressure (steam) bar	Working pressure (water) bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	7.0	33.0 ±1.0	18	60	180	190	0.77	20	5015531	●
			18	60				30	5015570	●
25.0 ±0.5	7.5	40.0 ±1.0	18	60	180	250	1.06	20	5015534	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





VOLUKLER

OIL & GAS

Oil and petroleum/Petrol pumps

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

Advantages

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

Technical description

Inner tube: petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile, braided.

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

Temperature range: -30°C to +55°C.

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

Standard/Approval:

EN 1360:2013 type 1.

ID 21mm: also available as VOLUKLER VR ASSEMBLY with internal vapour recovery tube for petrol dispensing systems, compliant with EN 13483:2013/1, consult us.

Complementary information

Blue, red or green cover upon request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
16.0 ±0.8	4.5	25.0 ±0.9	16	48	80	0.40	40	5513438	●
							80	5513439	●
							120	5513440	●
19.0 ±0.8	6.0	31.0 ±0.9	16	48	100	0.63	40	5513442	●
							80	5513443	●
							120	5513444	●
21.0 ±0.9	5.0	31.0 ±0.9	16	48	75	0.55	40	5513466	●
							80	5513467	●
							120	5513468	●
25.0 ±1.0	6.0	37.0 ±1.1	16	48	140	0.75	40	5513446	●
							80	5513447	●

Tolerance on length: ±1% (ISO 1307 Standard).

16-19-25mm



21mm



Digital version





VOLUKLER VR ASSEMBLY

OIL & GAS

Oil and petroleum/Petrol pumps

Hose assembly with internal vapour recovery tube for petrol dispensing systems.

Advantages

- Good resistance to ageing and abrasion from repeated dragging over oily floors.
- Supplied and tested with end fittings.

Technical description

VAPOUR RECOVERY TUBE

PUR, steel braided.

Dimensions: 8 x 12mm.

Vacuum: 0.8bar.

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, $R < 10^6 \Omega/\text{kg}$.

Standard/Approval:

EN 1360:2013/1, EN 13483:2013/1.

Couplings/Fittings

Trelleborg designed fitting M34x1.5.

Complementary information

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

Assemblies are made upon order to any required length.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
21.0	±0.9 31.0	16	48	75	0.65	80	5028782	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

Hose body:



End fittings: TRELLEBORG - NR - quarter/year

Digital version





OIL & GAS

Oil and petroleum/Petrol pumps

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

Advantages

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

Technical description

Inner tube: petrol resistant NBR, black, smooth.

Reinforcement: synthetic textile, braided.

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

Temperature range: -25°C to +65°C.

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

Standard/Approval:
EN 1360:2013 type 1.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m		
16.0	±0.8	4.5	25.0	±0.9	16	48	80	0.37	40	5513451	●
							80			5513452	●

Tolerance on length: ±1% (ISO 1307 Standard).





OIL & GAS

Oil and petroleum/Fuel delivery

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, braided.
Cover: oil and weather resistant NBR/PVC, black, smooth (32-40mm), fabric impression (50mm).
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 upon request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
32.0 ±0.8	6.5	45.0 ±1.0	16	48	100	1.02	40	5513387	●
							50	5513388	●
							60	5513389	●
35.0 ±0.8	6.5	48.0 ±1.0	16	48	110	1.11	50	5513391	●
							60	5513392	●
38.0 ±0.8	7.2	52.5 ±1.0	16	48	115	1.39	40	5513393	●
							50	5513394	●
							60	5513395	●
40.0 ±0.8	7.2	54.5 ±1.0	16	48	120	1.44	40	5513396	600
							50	5513397	600
							60	5513398	600
50.0 ±0.8	7.2	64.5 ±1.5	16	48	150	1.56	20	5513424	●
							30	5513425	300
							40	5513416	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





OIL & GAS

Oil and petroleum/Fuel delivery

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, braided.
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 upon request.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
35.0 ±0.8	6.5	48.0 ±1.0	16	48	110	1.11	50	5602765	600
							60	5602766	600
38.0 ±0.8	7.25	52.5 ±1.0	16	48	115	1.39	50	5513199	600
							60	5513200	600

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





BUTANE PROPANE E

OIL & GAS

Oil and petroleum/LPG delivery

For reels on road tankers for LPG delivery. Discharge of LPG (liquid or gaseous phase) or natural gas under conditions for use defined by EN 1762, for reels on road tankers or other applications of delivery.

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<25mm, fabric impression for ID≥25mm.
Temperature range: -30°C to +70°C.
Electrical properties: conductive tube, R<10⁶Ω/lg + two built-in wires for static electricity discharge.

Complementary information

ID 15.9mm: delivery in 40m long and 10% shorter lengths.
 BUTANE PROPANE E+: same version but with 4 built-in-wires (electrical continuity type M).

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
12.7 ±0.5	5.0	22.7 ±1.0	25	100	100	0.38	100	5500456	●
15.9 ±0.5	5.0	25.9 ±1.0	25	100	125	0.30	40	5513206	●
19.0 ±0.5	6.0	31.0 ±1.0	25	100	160	0.59	15	5028339	360
							20	0071400	▣
							40	0071407	●
							50	5015603	350
25.0 ±0.5	6.5	38.0 ±1.0	25	100	200	0.73	30	5014548	600
							40	5014877	●
							42	0060300	●
							50	5015638	600
							60	0070179	600
32.0 ±0.5	6.5	45.0 ±1.0	25	100	250	0.92	30	5015614	480
							40	0060301	●
							42	0060006	●
							50	5009598	450
							60	5014967	480
							120	5015610	480
38.0 ±0.5	7.0	52.0 ±1.0	25	100	320	1.16	30	0060302	●
50.0 ±0.6	8.0	66.0 ±1.2	25	100	400	1.60	30	0060996	180
							40	0060997	●
							40	5009894	●
75.0 ±0.6	9.0	93.0 ±1.2	25	100	650	2.83	40	5009894	●
100.0 ±1.6	10.0	120.0 ±1.6	25	100	720	4.37	40	5513204	●
150.0 ±2.0	12.0	174.0 ±2.0	25	100	1000	7.94	20	5513205	40

▣ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - BUTANE PROPANE E - EN 1762:2018 - Type D - DN - 25 bar - Q - month/year - MADE IN FRANCE



and embossed: TRELLEBORG - BUTANE PROPANE E+ - EN 1762:2018 - Type D - DN - 25 bar - M - month/year - MADE IN FRANCE

Digital version





OIL & GAS

Oil and petroleum/Discharge applications

Mineral and synthetic oil and household fuel delivery hose (with aromatic content up to 50%).
 Limited application for engine fuel and biofuel.

Technical description

Inner tube: synthetic NBR rubber, black, smooth.
Reinforcement: synthetic textile.
Cover: synthetic NBR/SBR rubber, black, fabric impression.
Temperature range: -30°C to +80°C.
Electrical properties: conductive tube, $R < 10^6 \Omega/m$.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
16.0	26.0 ±1	10	30	130	0.43	40	5513620	●
19.0	29.0 ±1	10	30	160	0.47	40	5513621	●
25.0	35.0 ±1	10	30	200	0.58	40	5513622	●
32.0	43.0 ±1	10	30	320	0.78	40	5513623	●
38.0	49.0 ±1	10	30	380	0.91	40	5513624	●
51.0	63.0 ±1	10	30	510	1.38	40	5513625	●
63.0	75.0 ±1	10	30	630	1.58	40	5513626	●
76.0	88.0 ±1	10	30	760	1.87	40	5513627	●
102.0	115.0 ±1	10	30	1020	2.44	40	5513628	●

Tolerance on length: ±1% (ISO 1307 Standard).





PUMPADUKT D

OIL & GAS

Oil and petroleum/Discharge for road and rail tankers

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	Article number	Stock (●) or min. order m
19.0	6.0 ±0.5	31.0 ±1.0	16	64	125	0.61	20	0070687	160
							40	0070688	160
25.0	6.0 ±0.5	37.0 ±1.0	16	64	150	0.69	20	0070689	160
							40	0095761	160
32.0	6.0 ±0.5	44.0 ±1.0	16	64	175	0.94	20	0060106	160
							40	0126172	●
38.0	6.5 ±0.5	51.0 ±1.0	16	64	225	1.11	20	0123031	160
							40	0125722	●
40.0	6.5 ±0.6	53.0 ±1.0	16	64	240	1.14	20	0070690	160
							40	0123483	160
50.0	8.0 -0.6/+0.8	66.0 ±1.2	16	64	275	1.83	20	0127277	160
							40	0124618	●
63.0	8.0 -0.6/+0.8	79.0 ±1.2	16	64	300	2.24	20	0070691	120
							40	0123133	120
65.0	8.0 -0.6/+0.8	81.0 ±1.2	16	64	320	2.28	20	0070692	120
							40	0070693	120
75.0	8.0 -0.6/+0.8	91.0 ±1.2	16	64	350	2.60	20	0070694	120
							40	0125085	120
80.0	8.0 -0.6/+0.8	96.0 ±1.6	16	64	370	2.87	20	0070695	120
							40	0070696	120
100.0	8.0 -0.6/+0.8	116.0 ±1.6	16	64	450	3.28	20	0125916	120
							40	0123406	120

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - NBR 1 - EN12115:2011 - EN1761:1999 - D - ND - WP 16 BAR- -40 TO +100°C - Ω CL/T - Quarter/Year - batch number



Digital version



OIL & GAS

Oil and petroleum/Suction and discharge applications

Mineral and synthetic oil and household fuel suction and delivery hose (with aromatic content up to 50%).
 Limited application for engine fuel and biofuel.

Technical description

Inner tube: synthetic NBR rubber, black, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: synthetic NBR/SBR rubber, black, fabric impression.
Temperature range: -30°C to +80°C.
Electrical properties: conductive tube, $R < 10^6 \Omega/m$.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	29.0 ±1	10	30	0.9	80	0.51	40	5513629	●
25.0	36.0 ±1	10	30	0.9	100	0.68	40	5513630	●
32.0	44.0 ±1	10	30	0.9	130	1.06	40	5513631	●
38.0	50.0 ±1	10	30	0.9	160	1.23	40	5513632	●
51.0	64.0 ±1	10	30	0.9	200	1.64	40	5513633	●
63.0	77.0 ±1	10	30	0.9	260	2.30	40	5513634	●
76.0	90.0 ±1	10	30	0.9	320	2.71	40	5513635	●
90.0	106.0 ±1.2	10	30	0.9	360	3.59	40	5513636	●
102.0	118.0 ±1.2	10	30	0.9	410	4.22	40	5513637	●
152.0	172.0 ±1.2	10	30	0.9	610	7.82	40	5513638	●

Tolerance on length: ±1% (ISO 1307 Standard).





PUMPADUKT S

OIL & GAS

Oil and petroleum/Suction and discharge for road and rail tankers

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, braided 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, $R < 10^6 \Omega/\text{kg}$.



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 > 100mm: not included in EN 12115 and EN 1761.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	125	0.78	20	0070697	160
								40	0127948	160
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	150	0.90	20	0070698	160
								40	0126887	160
32.0 ±0.5	6.0	44.0 ±1.0	16	64	0.9	175	1.13	20	0070699	160
								40	0125268	160
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	225	1.43	20	0125789	200
								40	0125633	●
40.0 ±0.6	6.5	53.0 ±1.0	16	64	0.9	240	1.46	20	0070782	160
								40	0070783	160
50.0 ±0.6	8.0	66.0 ±1.2	16	64	0.9	275	2.28	20	0128982	●
								40	0125686	●
63.0 ±0.6	8.0	79.0 ±1.2	16	64	0.9	300	2.99	20	0070702	□
								40	0123723	●
65.0 ±0.6	8.0	81.0 ±1.2	16	64	0.9	320	3.03	20	0070703	120
								40	0126007	120
75.0 ±0.6	8.0	91.0 ±1.2	16	64	0.9	350	3.69	20	0125324	●
								40	0124813	●
80.0 ±0.8	8.0	96.0 ±1.6	16	64	0.9	370	3.87	20	0070704	120
								40	0124285	120
100.0 ±0.8	8.0	116.0 ±1.6	16	64	0.9	450	4.78	20	0125717	●
								40	0128995	●
125.0 ±1.0	10.0	145.0 ±2.0	16	48	0.9	650	6.68	20	0096677	80
150.0 ±1.0	11.0	172.0 ±2.0	16	48	0.9	750	8.39	20	0070705	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed ID 19-100mm: TRELLEBORG - NBR1 - EN 12115:2011 - EN 1761:1999 - SD - ND - WP 16bar - Ω - -40 TO +100°C - month/year - batch number
 and embossed ID 125-150mm: TRELLEBORG - PUMPADUKT S - NBR1 - SD - ND - WP 16bar - Ω - month/year - batch number

Digital version





PUMPADUKT L

OIL & GAS

Oil and petroleum/Suction and discharge for road and rail tankers

Suction and discharge of petroleum products with aromatics up to 50%.
Equipment 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, fabric impression, corrugated.

Temperature range: -40°C to +100°C.

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

Standard/Approval: TRBF 131 Teil 2.

EN 1761.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
50.0 ±0.6	8.0	66.0 ±1.2	10	40	0.9	100	2.01	20	5013683	160
								40	5013684	160
75.0 ±0.6	8.0	91.0 ±1.2	10	40	0.9	150	3.18	20	5013518	□
								40	5013519	●
100.0 ±0.6	8.0	116.0 ±1.6	10	40	0.9	200	3.99	40	5013686	120

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - PUMPADUKT L - NBR 1 - EN 1761:1999 - SD - ND - WP 10bar - Ω/T - month/year - batch number

Digital version





TRELLOIL D EC

OIL & GAS

Oil and petroleum/Oil cargo

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, $R < 10^6 \Omega / \text{lg}$.

Complementary information

Can be delivered with swaged fittings: steel flange PN20 or larger, Victaulic, male or female threaded fittings.

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
100.0 ±1.5	9.0 ±0.8	118.0 ±1.5	20	60	600	4.08	1	5513112	40
125.0 ±1.5	9.0 ±0.8	143.0 ±1.5	20	60	750	5.04	1	5513113	40
150.0 ±1.5	10.0 ±0.8	170.0 ±1.5	20	60	900	6.50	1	5513114	40
204.0 ±1.5	11.0 ±1.0	226.0 ±1.5	20	60	1400	9.81	1	5513115	40
251.0 ±2.0	11.0 ±1.25	273.0 ±2.0	20	60	1800	11.67	1	5513116	40

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





OIL & GAS

Oil and petroleum/Oil cargo

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, $R < 10^6 \Omega/\text{lg}$.

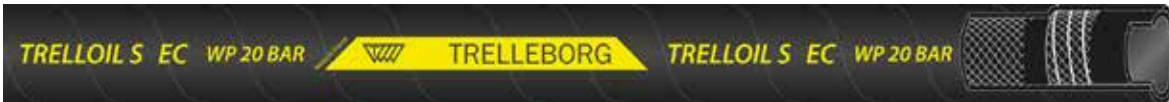
Complementary information

Can be delivered with swaged fittings: steel flange PN20 or larger, Victaulic, male or female threaded fittings.

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

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
100.0 ±1.5	11.5 ±0.8	123.5 ±1.5	20	60	0.9	600	6.51	1	5513107	40
125.0 ±1.5	11.5 ±1.0	148.0 ±1.5	20	60	0.9	750	8.06	1	5513108	40
150.0 ±1.5	11.5 ±1.0	173.0 ±2.0	20	60	0.9	900	9.53	1	5513109	40
204.0 ±1.5	13.75 ±1.0	231.5 ±2.0	20	60	0.9	1200	14.62	1	5513110	40
251.0 ±2.0	14.5 ±1.25	280.0 ±2.5	20	60	0.9	1500	19.55	1	5513111	40

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - TRELLOILS EC - ND - WP 20bar - BP 60bar - Ω - month/year - batch number - Made in France

Digital version





MAGDALA

OIL & GAS

Oil and petroleum/Oil cargo

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 optimize flow.
- Bendable and collapsible hose design.

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<0.5Ω/m (electrical discontinuity available on request).

Standard/Approval:

EN 1765:2016 type L10/L15.

Couplings/Fittings

Manufactured with fixed or swivel built-in flanges (standard shank or END-FLEX® type).

Complementary information

Bending radius test under 3.5bar working pressure (not applicable for ID=300mm).

Hose assembly weight: consult us.

MAGDALA with assembled or swaged couplings: see the data sheet MAGDALA C.

HNBR liner available on request for hot oil up to 125°C in continuous service or 135°C in temporary service.

FKM liner available on request for refined products with aromatic content up to 100% or hot oil at 150°C in continuous service or 200°C in temporary service.

ID mm	Wall thickness mm	OD mm	Enlarged diameter mm	Cuff length mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Max. length m	Stock (●) or min. order m
50.0 ±0.6	6.0	62.0 ±1	55	65	10	40	300	20	*
75.0 ±0.6	6.0	87.0 ±1	86	100	10	40	450	20	*
			86	100	15	60		20	*
100.0 ±1.6	7.0	114.0 ±1	110	150	10	40	600	20	*
			110	150	15	60		20	*
150.0 ±2.0	7.0	164.0 ±1	164	150	10	40	900	20	*
			164	150	15	60		20	*
200.0 ±2.0	7.0	214.0 ±1	218	200	10	40	1200	20	*
			218	200	15	60		20	*
250.0 ±2.4	8.1	266.0 ±2	270	250	10	40	1500	12	*
			270	250	15	60		12	*
300.0 ±5.0	8.1	316.0 ±2	325	300	10	40	1800	12	*
			325	300	15	60		12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



at both ends:
MAGDALA 10 - EN 1765 - ND mm (ND inches) - Pressure rating 10bar (150PSI) - L10 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number
or:
MAGDALA 15 - EN 1765 - ND mm (ND inches) - Pressure rating 15bar (215PSI) - L15 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number





MAGDALA C

OIL & GAS

Oil and petroleum/Oil cargo

Discharge of petroleum products for dock or barge service.
For refined products with aromatic up to 50%.

Advantages

- Can be coiled flat.
- Bendable and collapsible hose design.
- Axial reinforcement.

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<0.5Ω/m (electrical discontinuity available on request).

Standard/Approval:

EN 1765:2016 type L15.

Couplings/Fittings

Hose ends assembled with safety clamps or swaged with EN 14420 compliant couplings (fixed or swivel flanges, threaded connections, cam locking or symmetrical half coupling).

Complementary information

Bending radius test under 3.5bar working pressure.

MAGDALA with built-in flanges: see the data sheet MAGDALA.

HNBR liner available on request for hot oil up to 125°C in continuous service or 135°C in temporary service.

Packaging: flat-coiled on a diameter 800mm steel band.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max. length m	Type	Article number	Stock (●) or min. order m
50.0 ±0.6	6.0	62.0 ±1	15	60	300	1.62	40	EC	5605083	40
76.0 ±0.6	6.5	89.0 ±1	15	60	450	2.31	40	EC	5604083	40
100.0 ±1.6	7.0	114.0 ±1	15	60	600	2.96	40	EC	5605098	40
150.0 ±2	7.0	164.0 ±1.5	15	60	900	4.24	40	EC	5604663	40
200.0 ±2	7.0	214.0 ±1	15	60	1200	5.59	40	EC	5606894	40
251.0 ±2.4	7.5	266.0 ±2	15	60	1500	6.95	40	EC	5606716	40

Tolerance on length: ±1% (ISO 1307 Standard).



at both ends: MAGDALA C - EN 1765:2016 - ND mm (ND inches) - Pressure rating 15bar (215PSI) - L15 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number





OIL & GAS

Oil and petroleum/Oil cargo

Discharge of petroleum products for ship to shore or barge service.
For refined products with aromatic content up to 50%.

Advantages

- Can be coiled flat. Optimal design for reeling systems.
- Smooth inner tube to optimise the flow rate.
- Continuous length up to 300m.

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<0.5Ω/m (electrical discontinuity available on request).

Couplings/Fittings

Hose ends assembled with built-in End-Flex flanges or swaged with EN 14420 compliant couplings (fixed or swivel flanges, threaded connections, cam locking or symmetrical half coupling).

Complementary information

Bending radius test under 3.5bar working pressure.

Hose assembly weight: consult us.

ID mm	Wall thickness mm	OD mm	Enlarged diameter mm	Cuff length mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Max. length m	Stock (●) or min. order m
75.0 ±0.6	6.0	87.0 ±1	86	100	10	30	450	300	*
			86	100	15	45			
100.0 ±1.6	7.0	114.0 ±1	110	150	10	30	600	300	*
			110	150	15	45			
125.0 ±2.0	7.0	139.0 ±1	135	175	10	30	750	300	*
			135	175	15	45			
150.0 ±2.0	7.0	164.0 ±1	164	150	10	30	900	300	*
			164	150	15	45			
175.0 ±2.0	7.0	189.0 ±1	185	225	10	30	1050	300	*
			185	225	15	45			
204.0 ±2.0	7.0	218.0 ±1	218	200	10	30	1200	300	*
			218	200	15	45			

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



at both ends:
ATLANTIS 10 - ND mm (ND inches) - Pressure rating 10bar (150PSI) - L10 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number
or:
ATLANTIS 15 - ND mm (ND inches) - Pressure rating 15bar (215PSI) - L15 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number



Digital version





OIL & GAS

Oil and petroleum/Oil cargo

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 > 60bar.
- Low elongation to tensile load.

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<0.5Ω/m (electrical discontinuity available on request).

Standard/Approval:

EN 1765:2016 type S15 (supersedes BS 1435-1).

Couplings/Fittings

Manufactured with built-in flanges: fixed or swivel (ISO PN16, PN20 ASA150, etc.), slip-on, welding-neck RF or FF type. Other mechanical specifications (diameter, bursting pressure, etc.): on request.

Complementary information

Additional weight for flanges, consult us.

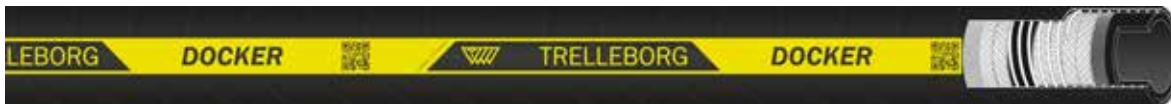
HNBR liner available on request for hot oil up to 125°C in continuous service or 135°C in temporary service.

FKM liner available on request for refined products with aromatic content up to 100% or hot oil at 150°C in continuous service or 200°C in temporary service.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Stock (●) or min. order m
75.0 ±0.6	15.0	105.0 ±3.0	15	60	0.9	500	6.10	20	*
100.0 ±1.6	15.5	131.0 ±3.0	15	60	0.9	600	9.20	20	*
152.0 ±2.0	17.0	186.0 ±3.0	15	60	0.9	850	13.20	13	*
203.0 ±2.0	16.5	236.0 ±3.0	15	60	0.9	1100	19.10	13	*
250.0 ±2.4	16.5	283.0 ±3.0	15	60	0.9	1350	23.00	13	*
300.0 ±5.0	17.5	335.0 ±3.0	15	60	0.9	1600	30.60	13	*
350.0 ±5.0	17.5	385.0 ±3.0	15	60	0.9	1850	35.40	12	*
400.0 ±5.0	20.5	441.0 ±3.0	15	60	0.9	2150	47.10	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



At both ends:
DOCKER - EN 1765:2016 - Pressure rating 15bar (225PSI) - ND mm (ND inches) - S15 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number



Digital version





OIL & GAS

Oil and petroleum/Oil cargo

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.
- Available in 40m long.
- Bursting pressure > 60bar.

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 (electrical discontinuity available on request).

Standard/Approval:

EN 1765:2016 type S15 (supersedes BS 1435-1).

Couplings/Fittings

Hose ends assembled with safety clamps or swaged with EN 14420 compliant couplings (fixed or swivel flanges, threaded connections, cam locking or symmetrical half coupling).

Complementary information

Hose assembly weight: consult us.

HNBR liner available on request for hot oil up to 125°C in continuous service or 135°C in temporary service.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Type	Article number	Stock (●) or min. order m
50.0 ±0.6	13.0	76.0 ±1.5	15	60	0.9	300	3.20	40	EC	5513961	40
								40	ED	5513962	40
76.0 ±0.6	13.0	102.0 ±1.5	15	60	0.9	500	5.10	40	EC	5513523	40
								40	ED	5513528	40
100.0 ±1.6	14.0	128.0 ±1.5	15	60	0.9	600	7.50	40	EC	5513524	40
								40	ED	5513529	40
150.0 ±2.0	14.0	178.0 ±1.5	15	60	0.9	850	10.69	40	EC	5513525	40
								40	ED	5513530	40
204.0 ±2.0	15.0	234.0 ±2.0	15	60	0.9	1100	16.65	40	EC	5513526	40
								40	ED	5513531	40
251.0 ±2.4	15.0	281.0 ±2.0	15	60	0.9	1350	20.17	40	EC	5513527	40
								40	ED	5513532	40

Tolerance on length: ±1% (ISO 1307 Standard).



At both ends:
DOCK S - EN 1765:2016 - Pressure rating 15bar (225PSI) - ND mm (ND inches) - S15 - Electrically continuous or Electrically discontinuous and Non-bonded End - quarter/year - serial number



Digital version





TRELLFLOAT

OIL & GAS

Oil and petroleum/Offshore floating supply hose

Self-floating discharge hose for offshore offloading applications. Suitable for most medias like oil (with aromatic content up to 50%), water, brine, barite, cement, etc.

Advantages

- Optimized solution for reeling systems: homogeneous and compact winding of the continuous floating jacket, no jamming with additional hinged floats, longer service life of hose.
- Good visibility of orange CSM cover.
- Cuffs to ease couplings assembly.
- Highly resistant to external injuries (marine growth, tears, ozone, abrasion, etc.).
- Possible repair of damaged foam jacket. Consult us.

Technical description

Inner tube: oil resistant NBR, black, smooth.
Reinforcement: aramid.
Floating elements Trelleborg floating elements
Cover: oil, wear and weather resistant CSM, orange, smooth.
Temperature range: -20°C to +80°C.

Couplings/Fittings

HP couplers for best possible flexibility to be adapted to a wide range of couplers alternatively with END-FLEX® flanges PN10/16 or ASA150lbs.

ID inch	ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max stretch kN	Buoyancy kg/m	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
4	100.0	210.0	20	60	3	25	1000	10.50	20	5602823	□
5	125.0	335.0	20	60	5	50	1250	17.80	20	5602824	□

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





AEROKLER C

OIL & GAS

Oil and petroleum/Aircraft fueling

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.
- Light weight, flexible and abrasion resistant hose.
- Available in 30 and 40m long as standard stock.

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, $10^3 \Omega/lg < R < 10^6 \Omega/lg$.

Standard/Approval:

EI 1529:2014 type C.

ISO 1825:2017 type C.

Complementary information

Supplied upon request, the hose assemblies are ready fitted with tin plated brass couplings secured by drop forged aluminum safety clamps.

Hose assemblies are individually tested and supplied with a test certificate.

Max vacuum 0.15bar: hose retains 80% of its original internal diameter according to EI 1529/C and ISO 1825:2017.

Available in 30 and 40m long as standard stock.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	6.0 ±0.7	31.0 ±1.0	20	80	0.15	90	0.55	30	5500067	●
								40	0060578	●
25.0	6.25 ±0.7	37.5 ±1.0	20	80	0.15	115	0.75	40	0060593	●
								30	0060594	●
32.0	6.25 ±0.7	44.5 ±1.0	20	80	0.15	140	0.87	40	0060595	●
								30	0060596	●
38.0	6.5 ±0.7	51.0 ±1.0	20	80	0.15	180	1.04	40	0060597	●
								30	0060597	●
50.0	8.0 ±0.9	66.0 ±1.0	20	80	0.15	215	1.77	30	0060610	●
								40	0060611	●
63.0	8.5 ±1.15	80.0 ±1.5	20	80	0.15	230	2.18	40	0060601	●
								30	0060602	●
75.0	8.0 ±1.15	91.0 ±1.5	20	80	-	230	2.52	40	0060603	●
								30	0060603	●
100.0	9.0 ±1.6	118.0 ±2.0	20	80	-	345	3.62	40	5513522	●
								30	5513522	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - AEROKLER C - AIRCRAFT FUELING HOSE - EI 1529:2014 - ISO 1825:2017 - 2/Ω - ND - WP 20BAR (300PSI) - quarter/year - batch number

Luminescent spiralled marking on request:



Digital version





AEROKLER F

OIL & GAS

Oil and petroleum/Aircraft fueling

Aircraft ground refuelling and defuelling 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.
- Light weight, flexible and abrasion resistant hose.

Technical description

Inner tube: kerosene resistant NBR, black, smooth.
Reinforcement: synthetic textile with embedded PET helix.
Cover: oil and weather resistant CR, black, fabric impression.
Temperature range: -40°C to +100°C.
Electrical properties: semi-conductive cover, $10^3 \Omega/lg < R < 10^6 \Omega/lg$.
Standard/Approval: ISO 1825:2017 type F.

Complementary information

Supplied upon request, the hose assemblies are ready fitted with tin plated brass couplings secured by drop forged aluminum safety clamps.
Hose assemblies are individually tested and supplied with a test certificate.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
32.0 ±0.8	8.25	48.5 ±1.0	20	80	0.65	140	1.24	40	5501256	120
38.0 ±0.8	8.75	55.0 ±1.0	20	80	0.65	180	1.54	40	5500131	80
50.0 ±1.2	9.5	69.0 ±1.0	20	80	0.65	215	2.15	40	5500132	160
63.0 ±1.2	9.5	82.0 ±1.5	20	80	0.65	230	2.64	40	5500133	●
75.0 ±1.2	10.25	95.5 ±1.5	20	80	0.65	230	3.40	40	5500134	●
100.0 ±1.6	11.0	122.0 ±2.0	20	80	0.65	345	4.63	1	0095584	40

Tolerance on length: ±1% (ISO 1307 Standard).

Standard version with no branding. Orange transfer tape on request.

and embossed: TRELLEBORG - AEROKLER F - ISO 1825:2017 - F/Ω - ND - WP 20bar - month/year - batch number - Made in France





TRELLFLEX OIL 10 GG

OIL & GAS

Composite hoses/Oil and petroleum

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

- Suitable for carriage of black oils (fuel oil, crude oil, etc.) and white oils (refined products like benzene, kerosene, gasoline, vaseline, etc.).
- 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 +100°C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

- standard Guillemain (aluminium, brass, stainless steel, polypropylene)

- revolving Guillemain (stainless steel)

- standard or secured camlock coupling

- threaded male or female fitting (BSP, NPT, etc.)

- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

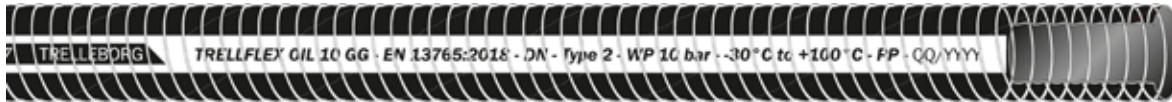
Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.80	30	5513225	●
65.0	78.5	10	40	0.9	200	2.93	30	5513226	●
80.0	95.0	10	40	0.9	280	3.16	30	5513227	●
100.0	118.0	10	40	0.9	400	5.33	30	5513228	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX OIL 10 AG

OIL & GAS

Composite hoses/Oil and petroleum

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

- Suitable for carriage of black oils (fuel oil, crude oil, etc.) and white oils (refined products like benzene, kerosene, gasoline, vaseline, etc.).
- Low bending radius.
- Lightened weight to ease the handling.

Technical description

Internal helix: aluminum.
Inner tube: polypropylene film.
Reinforcement: polypropylene layers.
Cover: PVC coated fabric, black, corrugated.
External helix: galvanized steel.
Temperature range: -30°C to +100°C.
Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.
Standard/Approval: EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard Guillemin (aluminium, brass, stainless steel, polypropylene)
 - revolving Guillemin (stainless steel)
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

Complementary information

Fitted lengths are delivered on request with pressure test certificate. Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	14	56	0.9	180	1.35	30	5513976	30
65.0	78.5	14	56	0.9	200	2.05	30	5513977	30
80.0	95.0	14	56	0.9	280	2.40	30	5513978	30
100.0	121.0	14	56	0.9	400	4.56	30	5513979	30

Tolerance on length: ±1% (ISO 1307 Standard).





TRELLFLEX OIL 10 AA

OIL & GAS

Composite hoses/Oil and petroleum

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

- Suitable for carriage of black oils (fuel oil, crude oil, etc.) and white oils (refined products like benzene, kerosene, gasoline, vaseline, etc.).
- Low bending radius.
- Very lightened weight to ease the handling.

Technical description

Internal helix: aluminum.
Inner tube: polypropylene film.
Reinforcement: polypropylene layers.
Cover: PVC coated fabric, black, corrugated.
External helix: aluminum.
Temperature range: -30°C to +100°C.
Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard Guillemin (aluminium, brass, stainless steel, polypropylene)
 - revolving Guillemin (stainless steel)
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

Complementary information

Fitted lengths are delivered on request with pressure test certificate.
 Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	14	56	0.9	180	0.96	30	5513972	30
65.0	78.5	14	56	0.9	200	1.20	30	5513973	30
80.0	95.0	14	56	0.9	280	1.76	30	5513974	30
100.0	121.0	14	56	0.9	400	3.90	30	5513975	30

Tolerance on length: ±1% (ISO 1307 Standard).





TRELLFLEX OIL 14 GG

OIL & GAS

Composite hoses/Oil and petroleum

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

- Suitable for carriage of black oils (fuel oil, crude oil, etc.) and white oils (refined products like benzene, kerosene, gasoline, vaseline, etc.).
- 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 +100°C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

- standard Guillemin (aluminium, brass, stainless steel, polypropylene)

- revolving Guillemin (stainless steel)

- standard or secured camlock coupling

- threaded male or female fitting (BSP, NPT, etc.)

- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

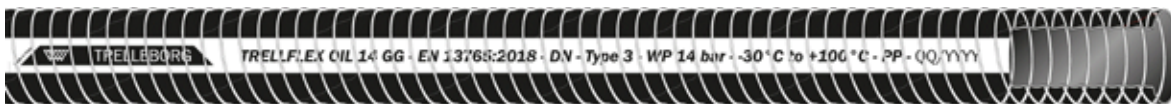
Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.90	30	5513229	30
32.0	43.0	14	56	0.9	120	1.10	30	5513230	30
40.0	52.0	14	56	0.9	140	1.60	30	5513231	30
50.0	62.0	14	56	0.9	180	1.86	30	5513232	30
65.0	78.5	14	56	0.9	200	3.00	30	5513233	30
80.0	95.0	14	56	0.9	280	3.30	30	5513234	●
100.0	121.0	14	56	0.9	400	5.40	30	5513235	●
125.0	149.0	14	56	0.9	450	10.00	12	5603644	12
150.0	180.0	14	56	0.9	500	15.30	20	5603645	20
200.0	234.0	14	56	0.9	740	21.50	20	5603646	20
250.0	297.0	14	56	0.9	920	30.00	12	5603647	12

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX OIL VR

OIL & GAS

Composite hoses/Vapor recovery

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: polypropylene coated steel.

Inner tube: polypropylene.

Reinforcement: polypropylene layers.

Cover: PVC coated fabric, yellow, corrugated.

External helix: galvanized steel.

Temperature range: -20°C to +60°C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

- standard Guillemain (aluminium, brass, stainless steel, polypropylene)

- revolving Guillemain (stainless steel)

- standard or secured camlock coupling

- threaded male or female fitting (BSP, NPT, etc.)

- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

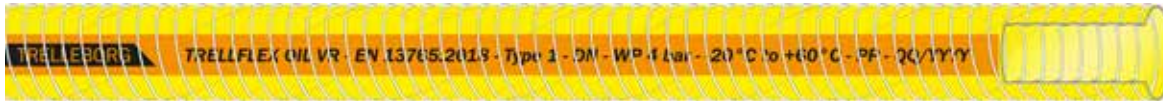
Complementary information

Fitted lengths are delivered on request with pressure test certificate.

Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	4	16	0.5	180	1.38	30	5513302	30
65.0	78.5	4	16	0.5	200	2.07	30	5513303	30
80.0	95.0	4	16	0.5	280	2.46	30	5513304	●
100.0	118.0	4	16	0.5	400	4.60	30	5513305	●
125.0	149.0	4	16	0.5	450	5.55	12	5603672	12

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX JET 14 SS

OIL & GAS

Composite hoses/Aircraft fueling

Suction and discharge of light or heavy petroleum products and derivatives with aromatic content up to 100%, especially Jet A1, AVGAS, kerosene. 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: galvanized steel or stainless steel 304L (stainless steel 316L on request).

Inner tube: PA film.

Reinforcement: PA and PP layers.

Cover: PVC coated fabric, blue, corrugated.

External helix: galvanized steel or stainless steel 304L (stainless steel 316L on request).

Temperature range: -30°C to +115°C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

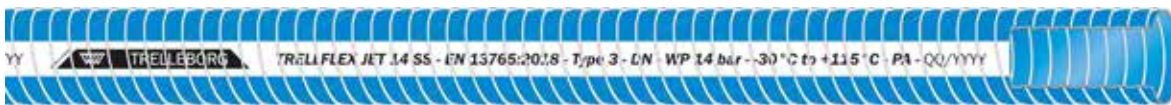
- standard Guillemin (aluminium, brass, stainless steel, polypropylene)
- revolving Guillemin (stainless steel)
- standard or secured camlock coupling
- threaded male or female fitting (BSP, NPT, etc.)
- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

Complementary information

Fitted lengths are delivered on request with pressure test certificate. Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.86	30	5513963	30
32.0	43.0	14	56	0.9	120	1.10	30	5513964	30
40.0	52.0	14	56	0.9	140	1.56	30	5513965	30
50.0	62.0	14	56	0.9	180	1.86	30	5513966	30
65.0	78.5	14	56	0.9	200	3.03	30	5513967	30
80.0	95.0	14	56	0.9	280	3.33	30	5513968	30
100.0	121.0	14	56	0.9	400	5.46	30	5513969	30
125.0	148.0	14	56	0.9	400	10.00	12	5513970	12
150.0	180.0	14	56	0.9	500	15.30	20	5513971	20

Tolerance on length: ±1% (ISO 1307 Standard).





OIL & GAS

Composite hoses/Biofuel

Suction and discharge of light or heavy petroleum products and derivatives with aromatic content up to 100%, especially biofuels, ethanol and bitumen emulsions. 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: galvanized steel or stainless steel 304L (stainless steel 316L on request).

Inner tube: PA film.

Reinforcement: PA and PP layers.

Cover: PVC coated fabric, green, corrugated.

External helix: galvanized steel or stainless steel 304L (stainless steel 316L on request).

Temperature range: -30°C to +115°C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. R≤100Ω/assembly.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

- standard Guillemin (aluminium, brass, stainless steel, polypropylene)
- revolving Guillemin (stainless steel)
- standard or secured camlock coupling
- threaded male or female fitting (BSP, NPT, etc.)
- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA.

Complementary information

Fitted lengths are delivered on request with pressure test certificate. Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.86	30	5513469	30
32.0	43.0	14	56	0.9	120	1.10	30	5513470	30
40.0	52.0	14	56	0.9	140	1.56	30	5513471	30
50.0	62.0	14	56	0.9	180	1.86	30	5513472	30
65.0	78.5	14	56	0.9	200	3.03	30	5513473	30
80.0	95.0	14	56	0.9	280	3.33	30	5513474	30
100.0	121.0	14	56	0.9	400	5.46	30	5513475	30
125.0	149.0	14	56	0.9	450	10.00	12	5513476	12
150.0	180.0	14	56	0.9	500	15.30	20	5513477	20
200.0	234.0	14	56	0.9	740	21.50	20	5513478	20
250.0	297.0	14	56	0.9	920	30.00	12	5513479	12

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX ROOF DRAIN

OIL & GAS

Composite hoses/Roof drain

Removal of rain water from the roof of an external floating roof tank.

Advantages

- Suitable for hydrocarbons containing up to 100% aromatics.
- Proposed with a negative buoyancy.
- Field proven 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 +100°C.

Electrical properties: electrical conductivity ensured by the external helix in contact with fittings. $R \leq 100\Omega/\text{assembly}$.

Couplings/Fittings

Swaged fixed or swivel flange ISO PN10/16, PN20 (ASA150). Other swaged couplings on request.

Complementary information

Fitted lengths are delivered on request with pressure test certificate. Other DN, imperial size and taylor-made hose design on request.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.86	30	5513515	30
65.0	78.5	10	40	0.9	200	2.65	30	5513516	30
80.0	95.0	10	40	0.9	280	3.23	30	5513517	30
100.0	121.0	10	40	0.9	400	5.43	30	5513518	30
150.0	180.0	10	40	0.9	500	15.30	20	5513519	20
200.0	234.0	10	40	0.9	740	21.50	20	5513520	20

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version

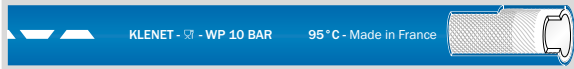








Processing Equipment





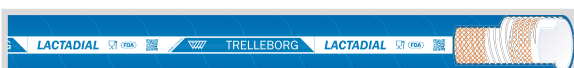







Food industry/Cleaning

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 BIOVAST - WP 20 BAR STEAM/VAPEUR 165°C - 6 BAR - Made in France	BIOVAST	209
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Food industry/High pressure cleaning

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Processing Equipment



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KLENET

PROCESSING EQUIPMENT

Food industry/Cleaning

Washdown and 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 No. 1935/2004, 2023/2006.

FDA regulation No. 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 3.

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.

Complementary information

Not recommended with washdown guns.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0 ±0.5	21.4 ±0.7	10	30	80	0.30	20	0060962	●
						40	0060961	●
						60	0060952	4620
16.0 ±0.7	25.0 ±0.8	10	30	95	0.38	120	0060953	●
						20	0060964	●
						40	0060963	●
19.0 ±0.7	28.4 ±0.8	10	30	115	0.48	60	0060954	1440
						120	0060955	●
						20	0060966	●
25.0 ±1.0	35.0 ±1.1	10	30	155	0.62	40	0060965	●
						60	0060956	●
						20	0060968	●
						40	0060967	●
						60	0060957	1020

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year - batch number

Digital version





PROCESSING EQUIPMENT

Food industry/Cleaning

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 No. 1935/2004, 2023/2006.

FDA regulation No. 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
10.0 ±0.6	18.0 ±0.7	10	30	75	0.25	20	5501308	●
						40	5501309	●
13.0 ±0.6	22.0 ±0.7	10	30	95	0.35	20	5500857	●
						40	5500858	●
16.0 ±0.7	25.0 ±0.8	10	30	110	0.41	20	5500859	●
						40	5500860	●
19.0 ±0.8	29.0 ±0.9	10	30	135	0.54	20	5500861	●
						40	5500862	●
25.0 ±1.0	36.0 ±1.0	10	30	180	0.74	20	5500863	●
						40	5500864	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year - batch number



BIOVAST

PROCESSING EQUIPMENT

Food industry/Cleaning

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=20bar.

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

Standard/Approval:

EU regulations No. 1935/2004, 2023/2006.

FDA regulation No. 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 2.

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 mm	OD mm	Working pressure (steam) bar	Working pressure (water) bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0 ±0.8	23.0 ±0.9	6	20	60	65	0.36	20	0200331	●
		6	20				40	0200332	●
		6	20				60	0071327	●
		6	20				80	0200328	●
16.0 ±1.0	26.0 ±1.0	6	20	60	85	0.43	20	0200333	●
		6	20				40	0200334	●
		6	20				80	0200329	●
19.0 ±1.0	31.0 ±1.0	6	20	60	100	0.59	20	0200335	●
		6	20				40	0200336	●
		6	20				80	0200330	●
25.0 ±1.0	37.0 ±1.0	6	20	60	125	0.69	20	0200337	●
		6	20				40	0200338	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year - batch number - 165°C - 6BAR

Digital version





BIOVAST RED

PROCESSING EQUIPMENT

Food industry/Cleaning

For cleaning and wash-down operations in food industry. Also suitable for transfer of aqueous, acidic, alcoholic or fatty liquid foodstuffs.

Advantages

- Can be used in any food industry environments (dairies, slaughterhouses, etc.).
- Highly flexible.
- Non staining cover.
- 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, red, smooth.

Temperature range:

Water: -20°C to +100°C/WP=20bar.

Steam: +165°C/6bar.

Standard/Approval:

EU regulations No. 1935/2004, 2023/2006.

FDA regulation No. 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 mm	OD mm	Working pressure (steam) bar	Working pressure (water) bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0 ±0.8	23.0 ±0.9	6	20	60	65	0.36	20	5513767	●
		6	20	40			5513768	●	
		6	20	60			5513769	●	
16.0 ±1.0	26.0 ±1.0	6	20	60	85	0.43	20	5513770	●
		6	20	40			5513771	●	
19.0 ±1.0	31.0 ±1.0	6	20	60	100	0.59	20	5513772	●
		6	20	40			5513773	●	
25.0 ±1.0	37.0 ±1.0	6	20	60	125	0.69	20	5513774	●
		6	20	40			5513775	●	

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year - batch number - 165°C - 6BAR



PROCESSING EQUIPMENT

Food industry/High pressure cleaning

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 No. 1935/2004, 2023/2006.

FDA regulation No. 21 CFR 177.2600.

German legislation: BfR recommendation XXI cat. 3.

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 mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
7.9 ±0.5	15.9 ±0.6	60	180	50	0.20	20	5026076	●
						40	5026077	●
						120	5026109	●
9.5 ±0.5	18.0 ±0.7	60	180	60	0.25	20	5026110	●
						40	5026113	●
						80	5026114	●
						120	5026115	●
12.7 ±0.6	22.0 ±0.8	60	180	70	0.34	20	5012778	●
						30	5513514	□
						40	5012779	●
						80	5026111	●
15.9 ±0.8	26.5 ±1.0	60	180	80	0.48	120	5026112	●
						20	5026079	●
						40	5026080	●
						80	5026081	●
						120	5026116	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year - batch number

Digital version





TRELJET 681 AP

PROCESSING EQUIPMENT

Food industry/High pressure jetting

Specially designed for professional and industrial high pressure cleaning. The antimicrobial TRELJET 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.

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: 20-95m.
 50% of the volume in each delivery will be random lengths, shortest length of 20m, at least 50% will be in fixed length mentioned in the table.

ID mm	Wall thickness mm	OD mm	Reinf. diameter mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
9.5 ^{+0.6} / _{0.2}	4.5	18.5 ±0.8	15 ±0.3	200	500	60	0.29	95	5603263	□
								100	5603183	●
12.7 ^{+0.8} / _{0.4}	4.5	21.7 ±0.6	18.3 ±0.3	200	500	70	0.40	95	5603264	□
								100	5603184	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).

ND 10mm





MULTIDIAL UPE

PROCESSING EQUIPMENT

Food industry/Transfer

Suitable for suction or discharge of any aqueous, acidic and oily foodstuffs such as milk, juices, wine, beer, brandies and spirits, vegetable oils.

Designed for:

- processing plants,
- loading or unloading bays from road and rails tankers.

Advantages

- Food grade UPE inner tube resisting most commonly used chemical cleaning, even at high concentration/temperatures.
- Can also be cleaned with steam up to +130°C for 30 minutes.
- Odourless and tasteless inner tube material.
- Non-marking, abrasion resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade UPE, white, smooth.

Reinforcement: synthetic textile with embedded steel helix.

Cover: weather resistant EPDM, blue, fabric impression.

Temperature range: -30°C to +100°C.

Standard/Approval:

EU regulations No. 1935/2004, 2023/2006, 10/2011.

FDA regulation No. 21 CFR 177.1520.

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	Article number	Stock (●) or min. order m
25.0 -0/+1	36.0 ±1.0	10	30	80	0.88	20	5513995	●
						40	5513996	●
38.0 -0/+1	49.0 ±1.0	10	30	120	1.26	20	5513997	●
						40	5513998	●
51.0 -0/+1	63.5 ±1.5	10	30	160	1.70	20	5513999	●
						40	5514000	●
63.0 -0/+1	75.0 ±1.5	10	30	200	2.39	20	5514001	●
						40	5514002	●
76.0 -0/+1	89.0 ±1.5	10	30	250	3.26	20	5514003	●
						40	5514004	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: Trelleborg - MULTIDIAL UPE - FDA - ND - WP 10 BAR - week/year - batch number - Made in France



CITERDIAL

PROCESSING EQUIPMENT

Food industry/Transfer

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 cleaning with most common detergents (see our cleaning guideline for details) or with steam at max. 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 No. 1935/2004, 2023/2006.
FDA regulation No. 21 CFR 177.2600.
German legislation: BfR recommendation XXI cat. 2.
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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0 -0/+1	36.0 ±1.0	6	18	0.9	50	0.70	20	0122924	●
							40	0127209	●
32.0 -0/+1	43.0 ±1.0	6	18	0.9	64	0.82	13.3	0070653	□
							40	0123639	●
38.0 -0/+1	49.0 ±1.0	6	18	0.9	76	1.14	13.3	0060068	●
							40	0060069	●
40.0 -0/+1	51.0 ±1.0	6	18	0.9	80	1.27	13.3	0060072	●
							40	0060074	●
45.0 -0/+1	56.0 ±1.0	6	18	0.9	90	1.38	20	0060141	□
							40	0060142	●
51.0 -0/+1	63.0 ±1.5	6	18	0.9	102	1.79	13.3	0060777	●
							15	0060776	●
							40	0060775	●
53.0 -0/+1	65.0 ±1.5	6	18	0.9	106	1.85	13.3	0060079	□
							40	0060082	●
60.0 -0/+1	72.0 ±1.5	6	18	0.9	120	2.09	13.3	0060083	□
							40	0060085	●
63.0 -0/+1	75.0 ±1.5	6	18	0.9	126	2.17	13.3	0060086	●
							15	0060087	●
							40	0060089	●
70.0 -0/+1	83.5 ±1.5	6	18	0.9	140	2.62	13.3	0060090	●
							40	0060092	●
76.0 -0/+1	89.5 ±1.5	6	18	0.9	152	3.03	13.3	0060788	●
							40	0060787	●
100.0 -0/+1	114.0 ±1.5	6	18	0.9	350	3.67	20	0060099	●
							40	0060071	●
125.0 -0/+1	145.5 ±1.5	6	18	0.9	450	6.05	10	0060202	●
							20	0060203	●
150.0 -0/+1	171.5 ±1.5	6	18	0.9	530	7.02	10	0060204	□
							20	0060205	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





LACTADIAL

PROCESSING EQUIPMENT

Food industry/Transfer

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 cleaning with most common detergents (see our cleaning guideline for details) or with steam at max. 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: weather and abrasion resistant NR, blue, fabric impression.

Temperature range: -30°C to +80°C.

Standard/Approval:

EU regulations No. 1935/2004, 2023/2006.

FDA regulation No. 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
40.0 ±1.0	51.0 ±1.5	6	18	0.7	140	0.97	40	5603895	200
51.0 ±1.0	65.0 ±1.5	6	18	0.7	150	1.34	13.3	5013018	▣
							15	5013019	▣
							40	5013020	●
53.0 ±1.0	67.0 ±1.5	6	18	0.7	160	1.47	40	5513070	●
55.0 ±1.0	68.5 ±1.5	6	18	0.7	165	1.52	40	5013650	●
63.0 ±1.0	77.0 ±1.5	6	18	0.7	200	1.72	13.3	5013021	▣
							15	5013022	▣
							40	5013023	●
70.0 ±1.0	83.5 ±1.5	6	18	0.7	230	2.00	40	5600927	●
76.0 ±1.0	92.0 ±1.5	6	18	0.7	250	2.24	13.3	5013024	▣
							40	5013025	●
80.0 ±1.0	96.0 ±1.5	6	18	0.7	295	2.40	40	5513794	120

▣ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





MILLESIME

PROCESSING EQUIPMENT

Food industry/Transfer

Suction and discharge of liquid foodstuffs such as milk, wine, beer, cider, fruit juice, soda, vinegar and alcohol up to 96% with exception of fatty foodstuffs and oils. Particularly designed for additional air lines (temperature up to 140°C) on road tankers carrying bulk products.

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 (see our cleaning guideline for details) 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 No. 1935/2004, 2023/2006.

FDA regulation No. 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0 -0/+1.0	36.0 ±1.0	10	30	0.9	55	0.75	20	5500495	●
							40	5500496	●
32.0 -0/+1.0	43.0 ±1.0	10	30	0.9	70	0.92	20	5500497	●
							40	5500498	●
38.0 -0/+1.0	49.0 ±1.0	10	30	0.9	80	1.07	20	5500499	●
							40	5500500	●
40.0 -0/+1.0	51.0 ±1.0	10	30	0.9	85	1.12	20	5500501	200
							40	5500502	200
45.0 -0/+1.0	56.0 ±1.0	10	30	0.9	98	1.23	20	5500505	160
							40	5500506	160
51.0 -0/+1.0	62.5 ±1.5	10	30	0.9	105	1.59	20	5500507	●
							40	5500508	●
53.0 -0/+1.0	64.5 ±1.5	10	30	0.9	110	1.64	20	5500509	120
							40	5500510	120
60.0 -0/+1.0	71.5 ±1.5	10	30	0.9	125	1.85	20	5501050	120
							40	5501051	120
63.0 -0/+1.0	74.5 ±1.5	10	30	0.9	130	1.93	20	5500511	●
							40	5500512	●
70.0 -0/+1.0	81.5 ±1.5	10	30	0.9	145	2.14	20	5500513	□
							40	5500514	●
76.0 -0/+1.0	88.5 ±1.5	10	30	0.9	165	2.65	20	5500515	●
							40	5500516	●
89.0 -0/+1.0	102.0 ±1.5	10	30	0.9	330	3.18	20	5500517	□
							40	5500518	●
102.0 -0/+1.5	115.0 ±1.5	10	30	0.9	400	3.62	20	5500521	□
							40	5500522	●
125.0 -0/+1.5	145.5 ±2.0	10	30	0.9	480	6.59	10	5501067	□
							20	5501068	●
150.0 -0/+1.5	171.5 ±2.0	10	30	0.9	570	8.05	10	5501069	●
							20	5501070	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





ALIKLER G2

PROCESSING EQUIPMENT

Food industry/Transfer

Suction and discharge of liquid foodstuffs such as wine, beer, milk, oil, fats, cider, fruit juice and alcohol up to 95%.
 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 cleaning with most common detergents (see our cleaning guideline for details) or with steam at max. 130°C.
- 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 No. 1935/2004, 2023/2006.
 FDA regulation No. 21 CFR 177.2600.
 German legislation: BfR recommendation XXI cat. 2.
 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0 -0/+1	37.0 ±1.0	10	30	0.9	40	0.92	20	5513357	●
							40	5513358	●
32.0 -0/+1	44.0 ±1.0	10	30	0.9	55	1.10	20	5513359	●
							40	5513360	●
38.0 -0/+1	50.0 ±1.0	10	30	0.9	65	1.26	20	5513361	●
							40	5513362	●
45.0 -0/+1	57.0 ±1.0	10	30	0.9	90	1.45	20	5513363	120
							40	5513364	120
50.0 -0/+1	62.0 ±1.5	10	30	0.9	100	1.77	20	5513365	●
							40	5513366	●
	65.0 ±1.5					2.24	20	5513383	□
							40	5513384	●
53.0 -0/+1	65.0 ±1.5	10	30	0.9	110	1.86	20	5513367	●
							40	5513368	●
63.0 -0/+1	76.0 ±1.5	10	30	0.9	135	2.24	20	5513369	●
							40	5513370	●
70.0 -0/+1	84.5 ±1.5	10	30	0.9	175	3.07	20	5513371	120
							40	5513372	120
75.0 -0/+1	89.5 ±1.5	10	30	0.9	190	3.29	20	5513373	●
							40	5513374	●
	91.0 ±1.5					3.53	20	5513385	□
							40	5513386	●
76.0 -0/+1	90.5 ±1.5	10	30	0.9	200	3.45	40	5513981	●
89.0 -0/+1	104.5 ±1.5	10	30	0.9	275	3.89	20	5513375	80
							40	5513376	80
100.0 -0/+1	115.5 ±1.5	10	30	0.9	400	4.40	20	5513377	●
							40	5513378	●
125.0 -0/+1	145.5 ±2.0	10	30	0.9	600	6.74	10	5513379	●
							20	5513380	●
150.0 -0/+1	171.5 ±2.0	10	30	0.9	700	8.35	10	5513381	●
							20	5513382	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



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



ALIKLER D

PROCESSING EQUIPMENT

Food industry/Transfer

High pressure discharge of liquid foodstuffs such as milk, beer, oil, fat, wine, cider, fruit juice and alcohol up to 95%.
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 most common detergents (see our cleaning guideline for details) or with steam at max. 130°C.
- Non-marking, abrasion resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade oil resistant NBR, white, smooth.
Reinforcement: synthetic textile with embedded PET helix for ID≥50mm.
Cover: oil and weather resistant NBR/PVC, blue, fabric impression.
Temperature range: -30°C to +100°C.
Standard/Approval:
EU regulations No. 1935/2004, 2023/2006.
FDA regulation No. 21 CFR 177.2600.
German legislation: BfR recommendation XXI cat. 2.
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 mm		OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
32.0	-0/+1	44.0	±1.5	15	40	0.7	220	1.00	20	0061567	●
									40	0061568	●
38.0	-0/+1	51.0	±1.5	15	40	0.7	265	1.20	20	0061569	●
									40	0061570	●
50.0	-0/+1	66.0	±1.5	15	40	0.7	210	1.97	20	0061571	●
									40	0061572	●
63.0	-0/+1	79.0	±1.5	15	40	0.7	270	2.38	20	0061573	●
									40	0061574	●
75.0	-0/+1	91.0	±1.5	15	40	0.7	290	2.85	20	0061575	●
									40	0061576	●
76.0	-0/+1	92.0	±1.5	15	40	0.7	300	3.22		5603141	●
100.0	-0/+1	117.0	±1.5	15	40	0.7	500	3.81	20	0061577	●
									40	0061578	●

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





ALCODIAL

PROCESSING EQUIPMENT

Food industry/Transfer

Particularly adapted for alcohol transfer up to 99%.
 Suitable for all drinks: wine, beer, brandies and spirits, fruit juice, milk, etc.
 Designed for equipement 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 UPE, white, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: NR, blue, fabric impression.
Temperature range: -30°C to +80°C.
Standard/Approval:
 EU regulations No. 1935/2004, 2023/2006, 10/2011.
 FDA regulation No. 21 CFR 177.1520.
 French legislation.
 All relevant migrations tests (France and FDA) were performed by the French institute of Poitiers (IANESCO) and confirmed compliant.
 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
25.0 -0/+1	36.0 ±1.0	10	30	0.9	55	0.80	20	5501078	●
							40	5501079	●
							20	5501080	□
32.0 -0/+1	43.0 ±1.0	10	30	0.9	70	0.93	40	5501081	●
							20	5501082	●
							30	5602737	240
38.0 -0/+1	49.0 ±1.0	10	30	0.9	84	1.12	40	5501083	●
							20	5501084	●
							40	5501085	●
51.0 -0/+1	62.5 ±1.5	10	30	0.9	112	1.43	20	5501086	□
							40	5501087	●
							20	5501088	●
63.0 -0/+1	74.5 ±1.5	10	30	0.9	139	2.08	40	5501089	●
							20	5501090	□
							40	5501091	●
70.0 -0/+1	83.0 ±1.5	10	30	0.9	154	2.61	20	5501091	●
							40	5501091	●
							40	5501091	●
76.0 -0/+1	89.0 ±1.5	10	30	0.9	167	2.86	20	5501091	□
							40	5501091	●
							40	5501091	●

□ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





VINITRELL

PROCESSING EQUIPMENT

Food industry/Transfer

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 cleaning with most common detergents (see our cleaning guideline for details) or with steam at max. 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 No. 1935/2004, 2023/2006.

FDA regulation No. 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
38.0 ±1.0	51.5 ±1.5	10	30	0.9	80	1.15	20	5513028	●
							40	5600349	●
50.0 ±1.0	65.0 ±1.5	10	30	0.9	100	1.57	20	5026130	●
							40	5026129	●
63.0 ±1.0	77.0 ±1.5	10	30	0.9	130	1.87	20	5026132	●
							40	5026131	●
70.0 ±1.0	86.5 ±1.5	10	30	0.9	140	2.42	20	5026133	●
							40	5026134	●
75.0 ±1.0	91.5 ±1.5	10	30	0.9	150	2.54	20	5026135	●
							40	5026136	●

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





PROCESSING EQUIPMENT

Food industry/Transfer

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 most common detergents (see our cleaning guideline for details) or with steam at max. 130°C.
- Non-marking, abrasion-resistant cover.
- Contains no phthalate.

Technical description

Inner tube: food grade 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 No. 1935/2004, 2023/2006.
 FDA regulation No. 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
38.0 -0/+1	50.0 ±1.0	10	30	0.7	150	1.18	20	5500369	●
							40	5500370	●
50.0 -0/+1	62.0 ±1.5	10	30	0.7	200	1.48	20	5500371	▣
							40	5500372	●
63.0 -0/+1	75.5 ±1.5	10	30	0.7	315	2.10	20	5500373	▣
							40	5500374	●
75.0 -0/+1	88.0 ±1.5	10	30	0.7	375	2.46	20	5500375	120
							40	5500376	120

▣ Upon availability.

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





PROCESSING EQUIPMENT

Food industry/Transfer

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 most common detergents (see our cleaning guideline for details) or with steam at max. 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 No. 1935/2004, 2023/2006.

FDA regulation No. 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 mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
100.0 -0/+1	117.0 ±1.5	6	18	140	3.32	20	5026072	●
						40	5026073	●
125.0 -0/+2	142.5 ±2.0	6	18	170	4.10	10	5501457	●
						20	5501458	●
150.0 -0/+2	167.5 ±2.0	6	18	200	4.97	10	5501459	●
						20	5501460	●

Tolerance on length: ±1% (ISO 1307 Standard).



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

Digital version





PHARMAKLER FEP

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

Suction and discharge of corrosive chemicals: fuels, solvents, oils and corrosive chemicals except chlorine trifluoride, fluorine gas dry, oxygen difluoride and molten alkalis metals such as sodium.
For 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).
- Compliant with EU food contact regulation 10/2011.
- Inner tube fully complies with FDA requirements.
- Tube material meets USP Class VI.
- 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.
EU regulations No. 10/2011, 1935/2004.

Couplings/Fittings

We recommend swaging with 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	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	10	40	0.9	80	0.73	20	5012840	120
								40	5012941	120
25.0 ±0.5	6.0	37.0 ±1.0	10	40	0.9	120	0.89	20	5012942	●
								40	5012943	●
32.0 ±0.5	6.0	44.0 ±1.0	10	40	0.9	175	1.15	20	5012944	120
								40	5012945	120
38.0 ±0.5	6.5	51.0 ±1.0	10	40	0.9	220	1.38	20	5012946	●
								40	5012947	●
50.0 ±0.7	7.75	65.5 ±1.2	10	40	0.9	290	2.20	20	5012948	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN12115:2011 - FEP - SD - ND - WP10BAR - -40°C TO +150°C - M - quarter/year - batch number - Made in France

Digital version





PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

For unloading bays, as well as mobile or fixed installations in fine chemicals, pharmaceutical and cosmetics industries. 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.
- Can be safely used in potentially explosive areas.
- Inner tube fully complies with FDA and EU 10/2011 requirements for food contact materials.
- 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, with black stripe.
Reinforcement: synthetic textile with embedded steel helix.
Cover: chemical and weather resistant NBR, green, fabric impression.
Temperature range: -40°C to +100°C.
Electrical properties: Cover $R < 10^8 \Omega / \text{lg}$.
 Electrical resistance through the hose $R < 10^9 \Omega$.
 Tube $< 1 \text{ MOhm}$.



Standard/Approval:
EN 12115.

Couplings/Fittings

We recommend swaging with 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	Article number	Stock (●) or min. order m
25.0 ±0.5	6.0	37.0 ±1.0	10	40	0.9	60	0.93	20	5012830	●
								40	5012831	●
32.0 ±0.5	6.0	44.0 ±1.0	10	40	0.9	85	1.14	20	5012832	80
								40	5012833	80
38.0 ±0.5	6.5	51.0 ±1.0	10	40	0.9	135	1.37	20	5012834	●
								40	5012835	●
50.0 ±0.7	7.75	65.5 ±1.2	10	40	0.9	185	2.21	20	5012836	●
								40	5012837	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN12115:2011 - UPE - SD - ND - WP10BAR - -40 TO +100°C - Ω/T - quarter/year - batch number - Made in France

Digital version





CHEMIKLER D-EPDM

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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 mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	16	64	125	0.55	20	5500283	160
							40	5500284	160
25.0 ±0.5	6.0	37.0 ±1.0	16	64	150	0.68	20	5500285	●
							40	5500286	●
32.0 ±0.5	6.0	44.0 ±1.0	16	64	175	0.82	20	5500287	120
							40	5500288	120
38.0 ±0.5	6.5	51.0 ±1.0	16	64	225	0.96	20	5500289	160
							40	5500290	160
50.0 ±0.7	8.0	66.0 ±1.2	16	64	275	1.52	20	5500291	●
							40	5500292	●
63.0 ±0.8	8.0	79.0 ±1.2	16	64	300	1.89	20	5500293	120
							40	5500294	120
75.0 ±0.8	8.0	91.0 ±1.2	16	64	350	2.27	20	5500295	●
							40	5500296	●
100.0 ±0.8	8.0	116.0 ±1.6	16	64	450	2.95	20	5500301	80
							40	5500302	80

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - EPDM - D - ND - WP 16bar - -40°C TO +100°C - Ω CL/T - quarter/year - batch number - Made in France

Digital version





CHEMIKLER EPDM

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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 ATEX areas.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	55	0.74	20	0126428	160
								40	0123847	160
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	70	0.87	20	0061031	●
								40	0061032	●
32.0 ±0.5	6.0	44.0 ±1.0	16	64	0.9	90	1.06	20	0061022	80
								40	0061023	80
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	105	1.34	20	0061035	●
								40	0061037	●
50.0 ±0.7	8.0	66.0 ±1.2	16	64	0.9	140	2.06	20	0061025	●
								40	0061026	●
63.0 ±0.8	8.0	79.0 ±1.2	16	64	0.9	180	2.51	20	0061047	●
								40	0061048	●
75.0 ±0.8	8.0	91.0 ±1.2	16	64	0.9	215	3.33	20	0061028	●
								40	0061029	●
100.0 ±0.8	8.0	116.0 ±1.6	16	64	0.9	280	5.07	20	0061041	●
								40	0061043	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - EPDM - SD - ND - WP 16bar - -40°C TO +100°C - Ω CL/T - quarter/year - batch number - Made in France

Digital version





PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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 (0.9bar).

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, $R \leq 10^8 \Omega / \text{lg}$.



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 ATEX areas.

Although without helix, this hose can also work under vacuum (0.9bar).

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0 ±0.5	5.0	23.0 ±1.0	16	64	90	0.32	20	5013767	●
							40	5013768	●
16.0 ±0.5	5.0	26.0 ±1.0	16	64	105	0.37	20	5013769	●
							40	5013770	●
19.0 ±0.5	6.0	31.0 ±1.0	16	64	125	0.51	20	5013771	●
							40	5013772	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - UPE - FDA - D - ND - WP 16bar - -40°C TO +100°C - Ω CL/T - quarter/year - batch number - Made in France

Digital version





CHEMIKLER L-UPE

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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, corrugated.
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	Article number	Stock (●) or min. order m
50.0 ±0.6	66.0 ±1.2	10	40	0.9	150	1.77	40	5600142	●
75.0 ±0.6	91.0 ±1.2	10	40	0.9	250	2.67	40	5013750	●
100.0 ±0.8	116.0 ±1.6	10	40	0.9	350	3.79	1	5600325	80

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - UPE - SD - ND - WP 10bar - -40°C TO +100°C - Ω CL/T - quarter/year - batch number - Made in France

Digital version





CHEMIKLER UPE

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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, 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.
- Can also be used for transfer of aqueous, acidic, alcoholic or fatty foods.

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≤1MΩm/lg.



Standard/Approval:

EU regulations No. 1935/2004, 2023/2006, 10/2011.
 FDA regulation No. 21 CFR 177.1520.
 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 ATEX areas.
 ID>100 mm: not included in EN12115.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	55	0.65	20	0061702	●
								40	0061703	●
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	70	0.76	20	0060267	●
								40	0060268	●
32.0 ±0.5	6.0	44.0 ±1.0	16	64	0.9	90	0.97	20	0061704	●
								40	0061705	●
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	105	1.24	20	0061706	●
								40	0070243	●
50.0 ±0.7	8.0	66.0 ±1.2	16	64	0.9	140	1.84	20	0060269	●
								40	0060270	●
63.0 ±0.8	8.0	79.0 ±1.2	16	64	0.9	180	2.58	20	5513104	●
								40	5513105	●
65.0 ±0.8	8.0	81.0 ±1.2	16	64	0.9	185	2.62	20	0061709	160
								40	0061710	160
75.0 ±0.8	8.0	91.0 ±1.2	16	64	0.9	215	3.20	20	0060271	●
								40	0060272	●
100.0 ±0.8	8.0	116.0 ±1.6	16	64	0.9	280	4.17	20	0061713	●
								40	0061714	●
125.0 ±1.0	10.0	145.0 ±2.0	16	48	0.9	750	6.26	10	0070333	80
150.0 ±1.0	11.0	172.0 ±2.0	16	48	0.9	900	7.73	10	5011101	●
								20	5011102	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - UPE - SD - ND - WP 16bar - -40°C TO +100°C - Ω CL/T - quarter/year - batch number - Made in France

Digital version





PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

Chemical suction and delivery hose with UHMWPE tube for tank trucks and storage tanks, suitable for handling a wide range of chemical products.

Technical description

Inner tube: chemical resistant UHMWPE, 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: R≤1MΩm/lg with conductive UPE tube and rubber cover with built-in antistatic wires.
Standard/Approval:
 EN 12115:2011 type SD Ω/T.

ID mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
19.0	31.0 ±1	16	64	0.9	95	0.64	40	5513866	●
25.0	37.0 ±1	16	64	0.9	125	0.79	40	5513815	●
32.0	44.0 ±1	16	64	0.9	160	0.98	40	5513816	●
38.0	51.0 ±1.2	16	64	0.9	190	1.33	40	5513817	●
51.0	67.0 ±1.2	16	64	0.9	255	2.13	40	5513818	●
63.0	79.0 ±1.2	16	64	0.9	315	2.47	40	5513867	160
76.0	92.0 ±1.2	16	64	0.9	380	3.06	40	5513819	●
102.0	118.0 ±1.2	16	64	0.9	510	4.19	40	5513868	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - UPE - SD - ND - WP 16bar - -30°C TO +100°C - Ω CL/T – quarter/year



PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

Chemical resistant suction and delivery hose.

Technical description

Inner tube: chemical resistant UPE, white, smooth.

Reinforcement: synthetic textile with embedded steel helix.
Cover: weather and chemical resistant EPDM, green, fabric impression.

Temperature range: -30°C to +100°C.

Electrical properties: built-in conductive wire.

ID mm	OD mm		Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Length m	Article number	Stock (●) or min. order m
13.0	25.0	±1	10	40	0.9	65	0.47	40	5513680	●
19.0	31.0	±1	10	40	0.9	100	0.62	40	5513681	●
25.0	37.0	±1	10	40	0.9	125	0.79	40	5513682	●
38.0	51.0	±1.2	10	40	0.9	200	1.21	40	5513683	●
51.0	65.0	±1.2	10	40	0.9	250	1.87	40	5513684	●
76.0	91.0	±1.2	10	40	0.9	400	2.92	40	5513685	●
102.0	118.0	±1.2	10	40	0.9	500	4.35	40	5513686	160

Tolerance on length: ±1% (ISO 1307 Standard).





CHEMIKLER PTFE

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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.
 Specially designed for use in ATEX zones.

Advantages

- Smooth inner tube for maximum flow and easier washing out (with open steam up to +150°C).
- Hose construction gives excellent mechanical properties.
- Cover with good resistance to abrasion and chemicals.
- Inner tube material complies with FDA 21 CFR.177.1550, EU 10/2011 and USP class VI requirements.
- Can be fitted with many types of couplings.

Technical description

Inner tube: chemical resistant PTFE, black, smooth.
Reinforcement: synthetic textile with embedded steel helix.
Cover: chemical and weather resistant EPDM, black, fabric impression.
Temperature range: -40°C to +150°C.
 Restrictions apply depending on chemical conveyed.
Electrical properties: Conductive tube and cover, $R \leq 10^6 \Omega/\text{lg}$.
 Transversal conductivity $< 10^9 \Omega$.



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

For safe use in ATEX areas, the hose assembly should be properly earth-connected.

ID mm	Wall thickness mm	OD mm	Working pressure bar	Bursting pressure bar	Max. vacuum bar	Bending radius mm	Weight kg/m	Max. length m	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	200	0.78	40	5606922	●
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	225	0.93	40	5606923	●
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	350	1.38	40	5606924	●
50.0 ±0.7	8.0	66.0 ±1.2	16	64	0.9	400	1.96	40	5606925	●

Tolerance on length: ±1% (ISO 1307 Standard).





CHEMIKLER FEP

PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

Suction and discharge of corrosive chemicals: fuels, solvents, oils and corrosive chemicals except chlorine trifluoride, fluorine gas dry, oxygen difluoride 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 american regulation FDA 21.CFR.177.1550.
- 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

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	Article number	Stock (●) or min. order m
19.0 ±0.5	6.0	31.0 ±1.0	16	64	0.9	200	0.69	20	0060219	●
								40	0060220	●
25.0 ±0.5	6.0	37.0 ±1.0	16	64	0.9	225	0.84	20	0060221	●
								40	0060222	●
32.0 ±0.5	6.0	44.0 ±1.0	16	64	0.9	275	1.08	20	0060223	●
								40	0060224	●
38.0 ±0.5	6.5	51.0 ±1.0	16	64	0.9	350	1.37	20	0060225	●
								40	0060226	●
50.0 ±0.7	8.0	66.0 ±1.2	16	64	0.9	400	2.03	20	0060227	●
								40	0060228	●
63.0 ±0.6	8.0	79.0 ±1.2	16	64	0.9	450	2.68	20	5513002	●
								40	5513003	●
75.0 ±0.8	8.0	91.0 ±1.2	16	64	0.9	525	3.17	20	0060236	●
								40	0060237	●

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: TRELLEBORG - EN 12115:2011 - FEP - SD - ND - WP 16bar - -40°C TO +150°C - Ω C/T - quarter/year - batch number - Made in France

Digital version





PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

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, 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	Article number	Stock (●) or min. order m
25.0 ±0.5	5.0	35.0 ±1.0	10	40	0.8	90	0.70	20	5500378	200
								40	5500379	200
32.0 ±0.5	5.0	42.0 ±1.0	10	40	0.8	110	0.90	20	5500380	120
								40	5500381	120
38.0 ±0.5	5.5	49.0 ±1.0	10	40	0.8	130	1.00	20	5500382	120
								40	5500383	120
50.0 ±0.7	6.0	62.0 ±1.5	10	40	0.8	170	1.30	20	5500386	320
								40	5500387	320
75.0 ±0.8	6.5	88.0 ±1.5	10	40	0.8	250	2.20	20	5500392	120
								40	5500393	120
100.0 ±0.8	7.0	114.0 ±1.5	10	40	0.8	500	3.05	20	5500398	80
								40	5500399	80

Tolerance on length: ±1% (ISO 1307 Standard).

Embossed branding





PROCESSING EQUIPMENT

Chemical and corrosive products/Transfer

Discharge under pressure or gravity flow of corrosive products such as acids and alkalis.

Advantages

- This 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 inside, fabric impression outside.

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	Article number	Stock (●) or min. order m	
15.0	-0/+1	5.0	25.0 ±1	1	0.34	20	0200837	80
20.0	-0/+1	5.0	30.0 ±1	1	0.43	20	0200840	●
						40	0200841	200
25.0	-0/+1	5.0	35.0 ±1	1	0.51	20	0200843	●
						40	0200844	200
30.0	-0/+1	5.0	40.0 ±1	1	0.59	20	0200846	●
						40	0200847	200
35.0	-0/+1	5.0	45.0 ±1	1	0.67	20	0200849	●
						40	0200850	200
40.0	-0/+1	5.0	50.0 ±1	1	0.76	20	0200852	●
						40	0200853	200
50.0	-0/+1	5.0	60.0 ±1	1	0.92	20	0200855	●
						40	0200856	200
60.0	-0/+1	5.0	70.0 ±1	1	1.09	20	0200858	●
						40	0200874	120
80.0	-0/+1	7.5	95.0 ±1	1	2.12	20	0200876	●
						40	0200877	120

Tolerance on length: ±1% (ISO 1307 Standard).





PROCESSING EQUIPMENT

Chemical and corrosive products/Handling

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<1MΩm (on request, built-in conductive wire).

Couplings/Fittings

Standard steel END-FLEX® flanges available with PN10/16/20 (ASA150) drilling. Other material/drilling upon 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	Stock (●) or min. order m	
100.0	-0/+1	120.0 ±2.0	112	110	10	30	800	3.76	20	*
125.0	-0/+1	145.0 ±2.0	145	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	375	10	30	3000	13.86	12	*
400.0	-0/+2	423.0 ±3.0	425	500	10	30	3400	15.78	12	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





PERFORMER CD-EPDM

PROCESSING EQUIPMENT

Chemical and corrosive products/Handling

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 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<1MΩm/m.

Couplings/Fittings

Standard steel END-FLEX® flanges available with PN10/16/20 (ASA150) drilling. Other material/drilling upon 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	Stock (●) or min. order m
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	*

* On request.

Tolerance on length: ±1% (ISO 1307 Standard).



and embossed: week/year

Digital version





TRELLFLEX CHEM 10 PG

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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: galvanized steel.
Temperature range: -30°C to +100°C.
Electrical properties: ≤1.0Ω/m.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.66	30	5513236	●
65.0	78.5	10	40	0.9	200	2.76	30	5513237	30
80.0	95.0	10	40	0.9	280	3.03	30	5513238	●
100.0	118.0	10	40	0.9	400	5.16	30	5513239	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX CHEM 14 PG

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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: galvanized steel.
Temperature range: -30°C to +100°C.
Electrical properties: ≤2.5Ω/m for ID<50mm, ≤1.0Ω/m for ID≥50mm.
Standard/Approval: EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.83	30	5513252	●
32.0	43.0	14	56	0.9	120	1.00	30	5513253	30
40.0	52.0	14	56	0.9	140	1.53	30	5513254	30
50.0	62.0	14	56	0.9	180	1.76	30	5513255	●
65.0	78.5	14	56	0.9	200	2.90	30	5513256	30
80.0	95.0	14	56	0.9	280	3.13	30	5513257	●
100.0	121.0	14	56	0.9	400	5.33	30	5513258	●
125.0	149.0	14	56	0.9	450	8.16	15	5603648	30
150.0	180.0	14	56	0.9	500	15.30	20	5603649	30
200.0	234.0	14	56	0.9	740	21.50	20	5603650	30
250.0	297.0	14	56	0.9	920	30.00	12	5603651	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLEX CHEM 10 PS

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.
Temperature range: -30°C to +100°C.
Electrical properties: ≤1.0Ω/m.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

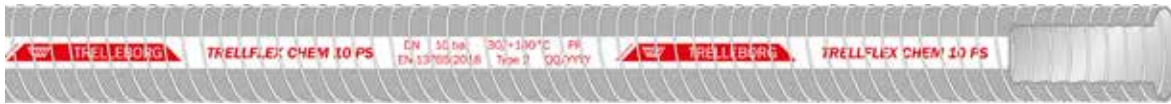
All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.66	30	5513240	●
65.0	78.5	10	40	0.9	200	2.80	30	5513241	30
80.0	95.0	10	40	0.9	280	3.03	30	5513242	●
100.0	118.0	10	40	0.9	400	5.20	30	5513243	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX CHEM 14 PS

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.
Temperature range: -30°C to +100°C.
Electrical properties: ≤2.5Ω/m for ID<50mm, ≤1.0Ω/m for ID≥50mm.
Standard/Approval: EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.76	30	5513259	●
32.0	43.0	14	56	0.9	120	0.93	30	5513260	30
40.0	52.0	14	56	0.9	140	1.46	30	5513261	30
50.0	62.0	14	56	0.9	180	1.76	30	5513262	●
65.0	78.5	14	56	0.9	200	2.90	30	5513263	30
80.0	95.0	14	56	0.9	280	3.13	30	5513264	●
100.0	121.0	14	56	0.9	400	5.33	30	5513265	30
125.0	149.0	14	56	0.9	450	8.16	15	5603652	30
150.0	180.0	14	56	0.9	500	12.20	20	5603653	30
200.0	234.0	14	56	0.9	740	19.00	20	5603654	30
250.0	297.0	14	56	0.9	920	27.00	12	5603655	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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: galvanized steel.
Temperature range: -30°C to +100°C.
Electrical properties: ≤1.0Ω/m.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

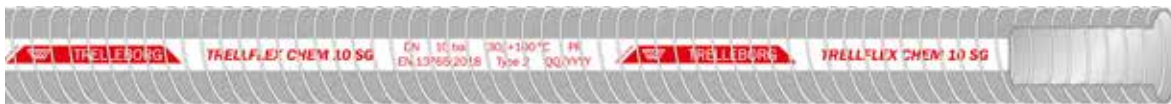
All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.80	30	5513244	●
65.0	78.5	10	40	0.9	200	2.93	30	5513245	30
80.0	95.0	10	40	0.9	280	3.20	30	5513246	●
100.0	118.0	10	40	0.9	400	5.33	30	5513247	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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: galvanized steel.

Temperature range: -30°C to +100°C.

Electrical properties: ≤2.5Ω/m for ID<50mm, ≤1.0Ω/m for ID≥50mm.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

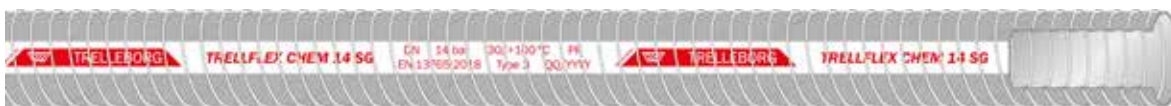
- standard or revolving Guillemin
- standard or secured camlock coupling
- threaded male or female fitting (BSP, NPT, etc.)
- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.86	30	5513266	●
32.0	43.0	14	56	0.9	120	1.10	30	5513267	30
40.0	52.0	14	56	0.9	140	1.56	30	5513268	30
50.0	62.0	14	56	0.9	180	1.86	30	5513269	●
65.0	78.5	14	56	0.9	200	3.00	30	5513270	30
80.0	95.0	14	56	0.9	280	3.30	30	5513271	●
100.0	121.0	14	56	0.9	400	5.40	30	5513272	30
125.0	149.0	14	56	0.9	450	8.26	15	5603656	30
150.0	180.0	14	56	0.9	500	12.60	20	5603657	30
200.0	234.0	14	56	0.9	740	19.30	20	5603658	30
250.0	297.0	14	56	0.9	920	28.00	12	5603659	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX CHEM 10 SS

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.
Temperature range: -30°C to +100°C.
Electrical properties: ≤1.0Ω/m.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

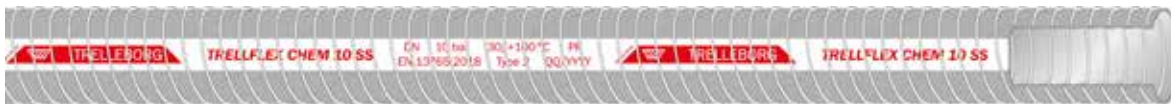
All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.86	30	5513248	●
65.0	78.5	10	40	0.9	200	2.96	30	5513249	30
80.0	95.0	10	40	0.9	280	3.23	30	5513250	●
100.0	118.0	10	40	0.9	400	5.43	30	5513251	●

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLEBORG CHEM 14 SS

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.

Temperature range: -30°C to +100°C.

Electrical properties: ≤2.5Ω/m for ID<50mm, ≤1.0Ω/m for ID≥50mm.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

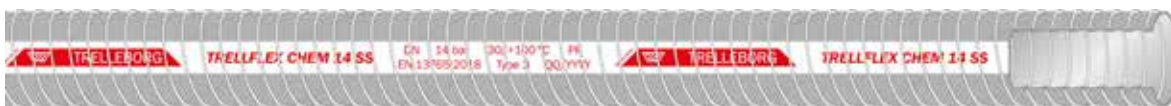
- standard or revolving Guillemin
- standard or secured camlock coupling
- threaded male or female fitting (BSP, NPT, etc.)
- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.86	30	5513273	●
32.0	43.0	14	56	0.9	120	1.10	30	5513274	30
40.0	52.0	14	56	0.9	140	1.56	30	5513275	30
50.0	62.0	14	56	0.9	180	1.86	30	5513276	●
65.0	78.5	14	56	0.9	200	3.03	30	5513277	30
80.0	95.0	14	56	0.9	280	3.33	30	5513278	●
100.0	121.0	14	56	0.9	400	5.46	30	5513279	30
125.0	149.0	14	56	0.9	450	8.36	15	5603660	30
150.0	180.0	14	56	0.9	500	15.30	20	5603661	30
200.0	234.0	14	56	0.9	740	21.50	20	5603662	30
250.0	297.0	14	56	0.9	920	30.00	12	5603663	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX CHEM PTFE 10 SG

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.

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, red, corrugated.
External helix: galvanized steel.
Temperature range: -30°C to +115°C.
Electrical properties: ≤1.0Ω/m.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.80	30	5513280	30
65.0	78.5	10	40	0.9	200	2.93	30	5513281	30
80.0	95.0	10	40	0.9	280	3.20	30	5513282	30
100.0	118.0	10	40	0.9	400	5.33	30	5513283	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLFLEX CHEM PTFE 14 SG

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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: PP fabrics, PP and PET layers.

Cover: PVC coated fabric, red, corrugated.

External helix: galvanized steel.

Temperature range: -30°C to +115°C.

Electrical properties: ≤2.5Ω/m for ID<50mm, ≤1.0Ω/m for ID≥50mm.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

- standard or revolving Guillemin
- standard or secured camlock coupling
- threaded male or female fitting (BSP, NPT, etc.)
- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.86	30	5513288	●
32.0	43.0	14	56	0.9	120	1.10	30	5513289	30
40.0	52.0	14	56	0.9	140	1.60	30	5513290	30
50.0	62.0	14	56	0.9	180	1.90	30	5513291	●
65.0	78.5	14	56	0.9	200	3.06	30	5513292	30
80.0	95.0	14	56	0.9	280	3.40	30	5513293	●
100.0	121.0	14	56	0.9	400	5.53	30	5513294	30
125.0	149.0	14	56	0.9	450	8.36	15	5603664	30
150.0	180.0	14	56	0.9	500	16.00	20	5603665	30
200.0	234.0	14	56	0.9	740	22.50	20	5603666	30
250.0	297.0	14	56	0.9	920	31.00	12	5603667	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.

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, red, corrugated.
External helix: stainless steel.
Temperature range: -30°C to +115°C.
Electrical properties: ≤1.0Ω/m.
Standard/Approval:
 EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:
 - standard or revolving Guillemin
 - standard or secured camlock coupling
 - threaded male or female fitting (BSP, NPT, etc.)
 - fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
50.0	62.0	10	40	0.9	180	1.86	30	5513284	●
65.0	78.5	10	40	0.9	200	2.96	30	5513285	30
80.0	95.0	10	40	0.9	280	3.23	30	5513286	●
100.0	118.0	10	40	0.9	400	5.43	30	5513287	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version





TRELLEBORG CHEM PTFE 14 SS

PROCESSING EQUIPMENT

Composite hoses/Chemical and corrosive products

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.

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, red, corrugated.

External helix: stainless steel.

Temperature range: -30°C to +115°C.

Electrical properties: ≤2.5Ω/m for ID<50mm, ≤1.0Ω/m for ID≥50mm.

Standard/Approval:

EN 13765: Bureau Veritas type approval N°7232905/8/049/TBE.

Couplings/Fittings

All types of swaged couplings:

- standard or revolving Guillemin
- standard or secured camlock coupling
- threaded male or female fitting (BSP, NPT, etc.)
- fixed or swivel flange ISO PN10/16, PN20 (ASA150), TTMA, etc.

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	Max. length m	Article number	Stock (●) or min. order m
25.0	37.0	14	56	0.9	100	0.86	30	5513295	●
32.0	43.0	14	56	0.9	120	1.10	30	5513296	30
40.0	52.0	14	56	0.9	140	1.60	30	5513297	30
50.0	62.0	14	56	0.9	180	1.90	30	5513298	●
65.0	78.5	14	56	0.9	200	3.06	30	5513299	30
80.0	95.0	14	56	0.9	280	3.40	30	5513300	●
100.0	121.0	14	56	0.9	400	5.53	30	5513301	30
125.0	149.0	14	56	0.9	450	8.36	15	5603668	30
150.0	180.0	14	56	0.9	500	16.00	20	5603669	30
200.0	234.0	14	56	0.9	740	22.50	20	5603670	30
250.0	297.0	14	56	0.9	920	31.00	12	5603671	30

Tolerance on length: ±1% (ISO 1307 Standard).



Digital version



CONVOLUTED STAINLESS STEEL HOSE ASSEMBLIES

PROCESSING EQUIPMENT

Convolute hose assemblies/Chemical and corrosive products

For steam, petrochemicals and any liquids or gas at extreme temperatures and/or high pressures in demanding environments.

Specifically for transfer of ammonia, oxygen, cryogenic applications, water and oxygen lances for steel mills.

Technical description

Inner tube: annular 316 stainless steel (other qualities upon request).

Braid(s): 304 stainless steel (other qualities/finish upon request).

Temperature range: -200°C to +600°C.

Standard/Approval:

ISO 10380:2012.

EN 21012:2018 for cryogenic applications.

PED.

Diameter range

Available from 6mm internal diameter up to 400mm.

Working capabilities

- Full vacuum.
- One or two braids depending on required working pressure.

Couplings/Fittings

Made to order with specified end fittings.

Complementary information

Other steel qualities can be supplied: 316L stainless steel, Monel 400, Inconel, etc.

Upon request:

- Pickling and passivation of welds
- Cleaning and degreasing of hoses
- Higher pressure hoses
- PMI (Positive Material Identification) testing
- Non-destructive testing (radiography, bleeding)
- Double-jacketed hoses with thermal fluid or electric heat tracing.

Welds are made by welders according to qualified procedures.





PROCESSING EQUIPMENT

Convoluted hose assemblies/Chemical and corrosive products

For extremely hot or cold fluids.
 Suitable for a large number of aggressive and corrosive chemicals in demanding environments.

Technical description

Inner tube: convoluted PTFE, white or antistatic.
Braid(s): 304 stainless steel (other qualities/finish upon request).
Temperature range: -70°C to +260°C.

Diameter range

Available from 13mm internal diameter up to 150mm.

Working capabilities

- Full vacuum with stainless steel helix.

Couplings/Fittings

Made to order with any types of fitting including flare through ends for flanges.









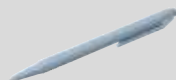

Complementary information

Other braid qualities available: polypropylene, etc.





Accessories for hose cutting

Accessories for hose cutting			
Description		Article number	Notes
BUTCHER KNIFE 30 CM		5514021	
BUTCHER KNIFE 25 CM		5514022	
SERRATED KNIFE 28 CM		5514023	
HANDLE FOR AWL		5514024	
NEEDLE		5514025	
SAFETY END CAP		5514026	
KNIFE SHEATH 330 MM		5514027	
SHARPENING STONE WITH HANDLE		5514028	
WHITE INK PEN		5514029	
FELCO C7 WIRE CUTTER		5514030	



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 modification or 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.

With regard to losses or damage in transit, the purchaser shall send his reservations by registered letter with acknowledgement of receipt. The reservations shall also be made in writing on the shipping document. 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.

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/RECEPTION

The purchaser has 30 minutes from taking delivery from the carrier to inspect the goods. If the delivery is accepted notwithstanding any visible sign of problems with the packaging, the products or the number of packages, the purchaser undertakes:

- To express clear and accurate reservations on the delivery receipt in the event of loss or damage in transit.
- These reservations must be made and written in the presence of the carrier.
- Wordings such as «subject to unpacking» or «subject to subsequent inspection» are inadmissible and have no value.
- The nature of the defective goods and number thereof must be clearly stated.
- To confirm within 72 hours its reservations by registered letter (art. L. 133-3 of the French Code of Commercial Law).

If the purchaser refuse all or part of the consignment:

- Express clear and accurate reservations on the delivery receipt in the event of loss or damage in transit.
- These reservations must be made and written in the presence of the carrier.

Any visible defect or non-conformity must be reported by registered letter with acknowledgement of receipt within 24 hours of delivery of the products for it to be taken into consideration. The claim must include the precise details (nature and extent of the defect or non-conformity).

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 8 days of the arrival of the products. After this period, the goods shall be considered as definitively accepted.

It is up to the Purchaser to provide all relevant evidence of the alleged defects or non-conformities. The Purchaser must allow the vendor to ascertain and remedy such defects and/or non-conformities.

If the delivered goods are acknowledged to be defective, the Trelleborg's liability is strictly limited to the replacement of the defective items without any compensation being due.

6/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 authorizes 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 favor of the purchaser.

7/SETTLEMENT - TIME-SCALES

In the absence of other provisions agreed between the parties, and as set out below, the supplies are invoiced at 30 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



General Conditions of Sale

outstanding of a 5% rate and 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 public policy without this penalty prejudicing the enforceability of the debt.

In application of French commercial law (L441-3 and L441-6 articles) and in compliance with European directive (2011/7 of 16/02/2011): 40 € fixed price will apply for collection charges. 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.

8/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.

Authorization for sale is automatically withdrawn in the event of a salvage action plan, receivership or liquidation.

9/LIABILITY

The Vendor guarantees that its products comply with the said Product's standard technical specification as confirmed with the offer.

The products are guaranteed against any defect in materials or manufacture for 12 months from the time of installation, limited to 18 months from the date of invoicing.

The Product's compliance with the specifications serves as its compliance under the guarantee. The guarantee is limited to the repair or replacement of any parts deemed defective by the Vendor's technical services, to the exclusion of any other costs.

Replacement of a defective product or part does not start a new guarantee. The guarantee period of the original product continues to apply.

The guarantee excludes any damage resulting from mechanical damage or from any modification to the Product made by the Client.

10/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 authorized 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.

11/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.

12 /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 are subject to French law.

13/EXPORT - EMBARGO

The Client undertakes to ensure that the Products supplied by the Vendor are stored for future orders.

The Client shall not export the Products or sell them for export, and shall not (i) supply the Products to any entity or person subject to an embargo or sanctions imposed by UNO, the United States, the European Union or OSCE if this infringes the terms of the said embargo or sanctions, (ii) supply the Products to any entity or person if it knows or suspects that the Products are intended for or liable to be used for any purpose relating to chemical, biological or nuclear weapons or missiles capable of delivering such weapons, (iii) supply the Products or a copy thereof if it knows or suspects that the Products are intended for or liable to be used for any nuclear explosion or unprotected nuclear fuel.



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