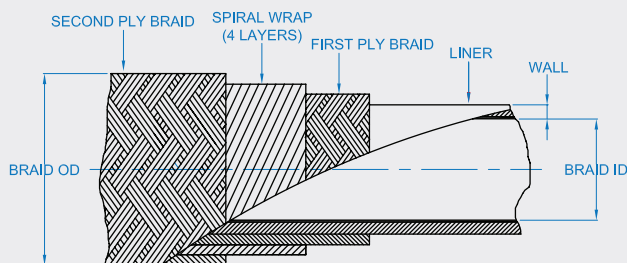


T1561/T1710 Series

Fluid Transfer Systems

Product Description

The heavy weight high pressure hose, ideal for impulse and cycling applications, with a smoothbore conductive liner and multiple spiral braids this hose passes where most hoses fail. (T1710 hose has a post sintered PTFE liner for gas applications).



Properties

Application	High shock/vibration applications, ideal for pressure impulses and cycling such as reaction injection moulding
Design	High pressure antistatic smoothbore PTFE tube with bunch braided high tensile 304 stainless steel
Inner layer	Medium wall antistatic smoothbore PTFE tube
Outer layer	High tensile 304 maypole wound Stainless Steel braid
Temperature Min	-60°C
Temperature Max	+260°C
Material	PTFE according to "ISO12086, Part1. PTFE-E.P.D.M 1.61.C.E.4_12"

T1561/T1710 Heavy Duty High Pressure Range

Part Number	Description	Tube Wall Thickness Nom.		Braid OD Nominal		Tolerance +/-		Braid ID Nominal		Tolerance +/-		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)
T1561-04 / T1710-04	1/4" Heavy Duty HP	1.04	0.041	12.32	0.485	0.25	0.01	5.84	0.23	0.13	0.005	6,000	414	24,000	1,655	76	1.5
T1561-06 / T1710-06	3/8" Heavy Duty HP	1.04	0.041	15.07	0.594	0.29	0.012	7.68	0.303	0.19	0.008	6,000	414	24,000	1,655	127	2.5
T1561-08 / T1710-08	1/2" Heavy Duty HP	1.3	0.051	18.61	0.733	0.32	0.013	10.16	0.4	0.25	0.01	6,000	414	24,000	1,655	146	2.9
T1561-10 / T1710-10	5/8" Heavy Duty HP	1.3	0.051	23.11	0.91	0.51	0.02	13.46	0.53	0.25	0.01	4,000	276	12,000	827	159	3.3
T1561-12 / T1710-12	3/4" Heavy Duty HP	1.3	0.051	26.8	1.055	0.51	0.02	16.64	0.655	0.25	0.01	4,000	276	12,000	827	197	4
T1561-16 / T1710-16	1" Heavy Duty HP	1.3	0.051	33.66	1.325	0.64	0.025	22.54	0.888	0.44	0.018	4,000	276	12,000	827	245	5

Note

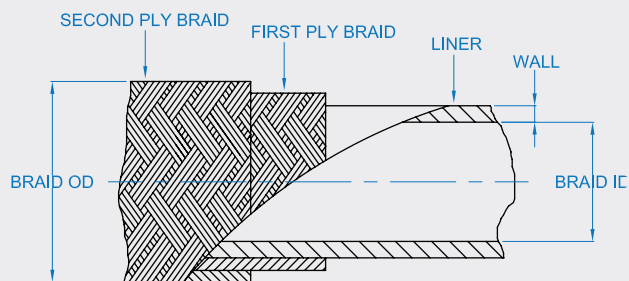
T1710 has a post sintered PTFE liner for more help on which hose to select for your application please contact our sales team. Please contact our sales team for more information on these products.

T1700/T2000 Series

Fluid Transfer Systems

Product Description

The light weight high pressure hose with an antistatic PTFE liner, performing well above its weight for hydraulic applications (T1700 has a post sintered antistatic PTFE liner for gas applications). Ideal for applications requiring strength, reliability and long term performance.



Properties

Application	High pressure applications that require strong, lightweight, long performing reliable hoses
Design	High pressure antistatic smoothbore PTFE tube with maypole and spiral wound high tensile 304 stainless steel braids
Inner layer	Medium wall antistatic smoothbore PTFE tube
Outer layer	High tensile 304 maypole wound Stainless Steel braid
Temperature Min	-60°C
Temperature Max	+260°C
Material	PTFE according to "ISO12086, Part1. PTFE-E.P.D.M 1.61.C.E.4_12"

T1700/T2000 Light Weight High Pressure Range

Part Number	Description	Tube Wall Thickness Nom.		Braid OD Nominal		Tolerance +/-		Braid ID Nominal		Tolerance +/-		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)
T1700 / 2000-04	1/4" Light Weight HP	1.03	0.041	9.53	0.375	0.38	0.015	5.64	0.222	0.25	0.01	5,000	345	16,000	1,103	38	1.5
T1700 / 2000-06	3/8" Light Weight HP	1.03	0.041	12.01	0.473	0.38	0.015	7.82	0.308	0.25	0.01	5,000	345	16,000	1,103	64	2.5
T1700 / 2000-08	1/2" Light Weight HP	1.17	0.046	15.24	0.6	0.44	0.018	10.19	0.401	0.25	0.01	5,000	345	16,000	1,103	74	2.9
T1700 / 2000-10	5/8" Light Weight HP	1.3	0.051	18.03	0.71	0.46	0.018	12.57	0.495	0.25	0.01	5,000	345	16,000	1,103	84	3.3
T1700 / 2000-12	3/4" Light Weight HP	1.3	0.051	24.64	0.97	0.51	0.02	15.67	0.617	0.38	0.015	5,000	345	16,000	1,103	102	4
T1700 / 2000-16	1" Light Weight HP	1.3	0.051	31.75	1.25	0.51	0.02	22.02	0.867	0.37	0.015	5,000	345	16,000	1,103	127	5
T1700 / 2000-20	1 1/4" Light Weight HP	1.8	0.071	40.64	1.6	1.02	0.04	28.58	1.125	0.64	0.025	4,000	276	16,000	1,103	305	12
T1700 / 2000-24	1 1/2" Light Weight HP	0.8	0.071	48.77	1.92	1.02	0.04	34.93	1.375	0.64	0.025	4,000	276	12,000	827	356	14

Note

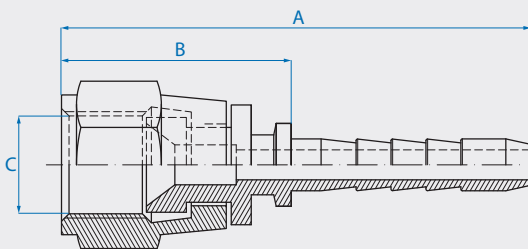
T1700 has a post sintered PTFE liner for more help on which hose to select for your application please contact our sales team. Please contact our sales team for more information on these products.

T2000-T1700 Series Hose Fittings

Fluid Transfer Systems

T2000/T1700 Crimp Style fittings are uniquely designed for optimum performance. A positive, metal-to-metal lock insures the integrity of the attachment throughout the

pressure range to beyond minimum specified burst. The fitting material is 300 series stainless steel and the inside diameters are minimum diameters after crimping.



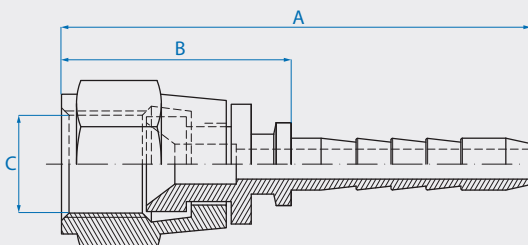
Part Number	Hose Size	Thread	A Overall Length (Inches)	B Deduct Length (Inches)	C Nominal ID (Inches)
102304	-04	7/16-20	1.70	0.45	0.139
102306	-06	9/16-18	1.97	0.50	0.244
102308	-08	3/4-16	2.12	0.67	0.340
102310	-10	7/8-14	2.43	0.75	0.410
102312	-12	1-1/16-12	2.68	0.76	0.518
102316	-16	1-5/16-12	2.86	0.82	0.769
102320	-20	1-5/8-12	3.28	0.99	0.955
102324	-24	1-7/8-12	3.31	1.20	1.185

T1561-T1710 Series Hose Fittings

Fluid Transfer Systems

Permanently attached fittings for this hose are designed to be swaged. T1561/T1710 fittings also utilize the unique metal-to-metal lock for complete fitting integrity and performance. The

material for these fittings is 300 series stainless steel. The inside diameters shown are minimum dimensions obtained after swaging or crimping.



Part Number	Hose Size	Thread	A Overall Length (Inches)	B Deduct Length (Inches)	C Nominal ID (Inches)
106104	-04	7/16-20	1.34	0.57	0.141
106106	-06	9/16-18	1.42	0.65	0.250
106108	-08	3/4-16	1.78	0.79	0.360
106110	-10	7/8-14	1.90	0.77	0.469
106112	-12	1-1/16-12	1.96	0.86	0.568
106116	-16	1-5/16-12	2.20	0.97	0.760

PressureFlex®



PROPERTIES

APPLICATION	HIGH PRESSURE GAS OR FLUID APPLICATIONS WHERE WEIGHT AND HOSE OD ARE KEY
DESIGN	SMOOTHBORE GAS QUALITY PTFE TUBE WITH A DOUBLE ARAMID BRAID AND HIGH TENSILE SS 304 BRAID
INNER LAYER	GAS QUALITY OR HEAVY WALL SMOOTHBORE VIRGIN PTFE TUBE
OUTER LAYER	2 ARAMID BRAIDS AND 1 HIGH TENSILE 304 MAYPOLE WOUND STAINLESS STEEL BRAID
TEMPERATURE MIN/MAX	- 54°C TO +150°C (-65°F TO +302°F)*
MATERIAL	"ASTM D4895, TYPE 1, GRADE 4, CLASS B"

* Aramid yarn is the limiting material in the hose construction.
For any application above 150°C please contact your KA representative for working pressure and service length duration.

PRODUCT DESCRIPTION

The lightest weight high pressure PTFE hose on the market. Performing well above its weight this light weight hose also gives cost reduction along with excellent routability due to its excellent bend radius and reduced OD to comparable performing products. This range is also available with a fully validated range of fittings and ferrules for your added safety.



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NORTH AMERICA: ONE FIRESTONE DRIVE, SUFFIELD, CT 06078, UNITED STATES // T: +1 860 668 1285

CHINA: NO.30 & 32, XIKUNRD, WUXI SINGAPORE IND. PARK, WUXI, JIANGSU PROVINCE P.R CHINA, 214028 // T: +86 510 8528 5903



YOUR FLEXIBLE PTFE HOSE PARTNER // WWW.KAHOSE.COM



PressureFlex® RANGE

PART NUMBER	DESCRIPTION	ID NOMINAL		TOLERANCE		OD NOMINAL		TOLERANCE		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)
TSGV6-2B25	1/4" GAS LINED 2AB 1WB	6.2	0.24	0.3	0.01	12.3	0.48	0.5	0.02	1.02	0.04	6889	475	27557	1900	38	1.5
TSGV8-1B25	5/16" GAS LINED 2AB 1WB	8.1	0.32	0.3	0.01	14.2	0.56	0.5	0.02	1.02	0.04	6527	450	26107	1800	47	1.85
TSGV9-5B25	3/8" GAS LINED 2AB 1WB	9.5	0.37	0.3	0.01	16	0.63	0.5	0.02	1.02	0.04	6237	430	25382	1750	64	2.52
TSHV12-7B25	1/2" HEAVY WALL LINED 2AB 1WB	12.7	0.5	0.3	0.01	19.5	0.77	0.5	0.02	1.02	0.04	6164	425	24656	1700	74	2.91
TSHV15-1B25	5/8" HEAVY WALL LINED 2AB 1WB	15.1	0.59	0.4	0.02	22	0.87	0.6	0.02	1.25	0.05	5221	360	21030	1450	90	3.54
TSHV20-2B25	3/4" HEAVY WALL LINED 2AB 1WB	20	0.79	0.5	0.02	27.5	1.08	0.7	0.03	1.25	0.05	3989	275	15954	1100	180	7.09
TSHV24-2B25	1" HEAVY WALL LINED 2AB 1WB	23	0.91	0.6	0.02	31.8	1.25	0.8	0.03	1.25	0.05	3626	250	14504	1000	200	7.87

PressureFlex® CONDUCTIVE PS HOSE

PART NUMBER	DESCRIPTION	ID NOMINAL		TOLERANCE		OD NOMINAL		TOLERANCE		TUBE WALL THICKNESS NOM.		MAX. WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)
T4050-04	1/4" POST SINTERED LINED 2AB 1WB	6.48	0.255	0.76	0.03	13.46	0.53	1.02	0.04	1.3	0.051	9000	620	36000	2482	36.5	2.5
T4050-06	3/8" POST SINTERED LINED 2AB 1WB	9.78	0.385	0.76	0.03	18.67	0.735	1.02	0.04	1.3	0.051	8000	551	32000	2206	88.9	3.5
T4050-08	1/2" POST SINTERED LINED 2AB 1WB	13.21	0.52	0.76	0.03	23.06	0.908	1.02	0.04	1.22	0.048	7000	432	28000	1930	127	5

T4050 part numbers are Pressureflex® hoses available with a post-sintered liner.
Please speak to your Kongsberg Automotive representative if you need help choosing the correct PTFE liner for your application.

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