

► T1700/T2000

Lightweight High Pressure PTFE Hoses

These lightweight, high pressure hoses are specially constructed for applications requiring strength, reliability and long term performance. Add to this the wide operating temperature range within which Teflon®/PTFE performs and KA Fluid Systems have provided another No.1 choice for conveying hot oils, adhesives, sealants, phosphates and chemicals.

Low volumetric expansion ensures precise product delivery for robotic and injection moulding systems. Now available up to Dash 24 size, the range offers the largest smoothbore hose of its kind. T1700 is post sintered for the lowest effusion levels for industrial gas applications. T2000 is non-post sintered for more general applications where particularly searching gases are not conveyed.

► T1561/T1710

Heavy Duty High Pressure PTFE Hoses

With the most rugged of constructions this hose is designed to perform in high shock and high vibration applications, especially where the hose may be subject to external abuse. This product is ideal for pressure impulse and cycling such as reaction injection moulding. Hydraulic fluids, oils, acids and corrosive chemicals are no problem for this hose.

T1561 hose is designed with a smoothbore conductive PTFE liner (T1710 has a post-sintered core), over braided with multiple layers of stainless steel wire. Sizes 1/4" and 3/8" consist of an inner braid, four spiral layers and an outer braid. Sizes 1/2" through to 1" have an inner braid, six spiral layers and an outer braid. For suitability of specific operating conditions please contact KA Fluid Systems.

T1700/T2000 Light Weight High Pressure Range

USA Part Number	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	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	0.010	5,000	345	16,000	1,103	38	1.500
T1700 / 2000-06	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	0.010	5,000	345	16,000	1,103	64	2.500
T1700 / 2000-08	T1700 / 2000-08	1/2" Light Weight HP	1.17	0.046	15.24	0.600	0.44	0.018	10.19	0.401	0.25	0.010	5,000	345	16,000	1,103	74	2.900
T1700 / 2000-10	T1700 / 2000-10	5/8" Light Weight HP	1.30	0.051	18.03	0.710	0.46	0.018	12.57	0.495	0.25	0.010	5,000	345	16,000	1,103	84	3.300
T1700 / 2000-12	T1700 / 2000-12	3/4" Light Weight HP	1.30	0.051	24.64	0.970	0.51	0.020	15.67	0.617	0.38	0.015	5,000	345	16,000	1,103	102	4.000
T1700 / 2000-16	T1700 / 2000-16	1" Light Weight HP	1.30	0.051	31.75	1.250	0.51	0.020	22.02	0.867	0.37	0.015	5,000	345	16,000	1,103	127	5.000
T1700 / 2000-20	T1700 / 2000-20	1 1/4" Light Weight HP	1.80	0.071	40.64	1.600	1.02	0.040	28.58	1.125	0.64	0.025	4,000	276	16,000	1,103	305	12.000
T1700 / 2000-24	T1700 / 2000-24	1 1/2" Light Weight HP	1.80	0.071	48.77	1.920	1.02	0.040	34.93	1.375	0.64	0.025	4,000	276	12,000	827	356	14.000

Notes: Working pressures should be down-rated for impulse applications

T1561 Heavy Duty High Pressure Range

USA Part Number	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	T1561-04 / T1710-04	1/4" Heavy Duty HP	1.04	0.041	12.32	0.485	0.25	0.010	5.84	0.230	0.13	0.005	6,000	414	24,000	1,655	76	3.000
T1561-06 / T1710-06	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	5.000
T1561-08 / T1710-08	T1561-08 / T1710-08	1/2" Heavy Duty HP	1.30	0.051	18.61	0.733	0.32	0.013	10.16	0.400	0.25	0.010	6,000	414	24,000	1,655	146	5.750
T1561-10 / T1710-10	T1561-10 / T1710-10	5/8" Heavy Duty HP	1.30	0.051	23.11	0.910	0.51	0.020	13.46	0.530	0.25	0.010	4,000	276	12,000	827	159	6.250
T1561-12 / T1710-12	T1561-12 / T1710-12	3/4" Heavy Duty HP	1.30	0.051	26.80	1.055	0.51	0.020	16.64	0.655	0.25	0.010	4,000	276	12,000	827	197	7.750
T1561-16 / T1710-16	T1561-16 / T1710-16	1" Heavy Duty HP	1.30	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	9.630

Notes: Working pressures should be down-rated for impulse applications