

PTFE tubing is primarily for use in high thermal and difficult environmental applications, or where a low coefficient of friction is required. PTFE provides excellent electrical insulation and has excellent chemical and solvent resistance. PTFE has the widest temperature range, best dielectric and corrosion resistant properties of all **ProFIT** tubings.

Temperatures in excess of 675°F (357°C) for any prolonged period will cause physical changes, noted by a chalky appearance on the PTFE surface. Proper shrinking can be observed as the material turns from translucent to clear or transparent. A 750°F heat gun is recommended for proper application; longitudinal shrinkage is less than 10%.

Note: Caution should be exercised when heat shrinking PTFE. The excessive heat required for shrinking can do damage to heat sensitive solder joints or parts being covered.

Applicable Specifications: HTX - SAE-AMS-DTL-23053/12, Class 3

HSX - SAE-AMS-DTL-23053/12, Class 2

HFX - SAE-AMS-DTL-23053/12, Class 5

Operating Temperature Range: -103°F (-75°C) to 500°F (260°C)

Shrink Ratio: HSX, HTX - 1.5 to 1

HFX - 4 to 1

Shrink Temperature: 662°F (350°C)

Recommended Heat Gun: 750°F (400°C)

Standard Colors: Natural

Standard Shipping Length: 4-Foot lengths

STANDARD WALL

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Thickness	
	inches	mm	inches	mm	inches	mm
HSX-24	0.050	1.27	0.027	0.69	0.012	0.30
HSX-22	0.055	1.40	0.032	0.81	0.012	0.30
HSX-20	0.060	1.52	0.039	0.99	0.016	0.41
HSX-18	0.076	1.93	0.049	1.24	0.016	0.41
HSX-16	0.085	2.16	0.054	1.37	0.016	0.41
HSX-15	0.110	2.79	0.067	1.70	0.016	0.41
HSX-14	0.120	3.05	0.072	1.83	0.016	0.41
HSX-13	0.130	3.30	0.080	2.03	0.016	0.41
HSX-12	0.150	3.81	0.089	2.26	0.016	0.41
HSX-11	0.170	4.32	0.101	2.57	0.016	0.41
HSX-10	0.191	4.85	0.112	2.84	0.016	0.41
HSX-9	0.205	5.21	0.124	3.15	0.020	0.51
HSX-8	0.240	6.10	0.141	3.58	0.020	0.51
HSX-7	0.270	6.86	0.158	4.01	0.020	0.51
HSX-6	0.302	7.67	0.178	4.52	0.020	0.51
HSX-5	0.320	8.13	0.198	5.03	0.020	0.51
HSX-4	0.370	9.40	0.224	5.69	0.020	0.51
HSX-3	0.390	9.90	0.249	6.32	0.020	0.51
HSX-2	0.430	10.92	0.278	7.06	0.020	0.51
HSX-1	0.450	11.43	0.311	7.90	0.020	0.51
HSX-0	0.470	11.94	0.347	8.81	0.020	0.51

THIN WALL

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Thickness	
	inches	mm	inches	mm	inches	mm
HTX-30	0.034	0.86	0.015	0.38	0.009	0.23
HTX-28	0.038	0.97	0.018	0.46	0.009	0.23
HTX-26	0.046	1.17	0.022	0.56	0.009	0.23
HTX-24	0.050	1.27	0.027	0.69	0.010	0.25
HTX-22	0.055	1.40	0.032	0.81	0.010	0.25
HTX-20	0.060	1.52	0.039	0.99	0.012	0.30
HTX-18	0.076	1.93	0.049	1.24	0.012	0.30
HTX-16	0.093	2.36	0.061	1.55	0.012	0.30
HTX-14	0.120	3.05	0.072	1.83	0.012	0.30
HTX-12	0.150	3.81	0.089	2.26	0.012	0.30
HTX-10	0.191	4.85	0.112	2.84	0.012	0.30
HTX-8	0.240	6.10	0.141	3.58	0.015	0.38
HTX-6	0.302	7.67	0.178	4.52	0.015	0.38
HTX-4	0.370	9.40	0.224	5.69	0.015	0.38
HTX-2	0.430	10.92	0.278	7.06	0.015	0.38
HTX-0	0.470	11.94	0.347	8.81	0.015	0.38

4X FRACTIONAL SIZES

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Thickness	
	inches	mm	inches	mm	inches	mm
HFX-5/64	0.078	1.98	0.025	0.64	0.009	0.23
HFX-1/8	0.125	3.18	0.037	0.94	0.010	0.25
HFX-1/4	0.250	6.35	0.063	1.60	0.012	0.30
HFX-3/8	0.375	9.53	0.096	2.44	0.012	0.30
HFX-1/2	0.500	12.70	0.144	3.66	0.015	0.38
HFX-5/8	0.625	15.88	0.178	4.52	0.015	0.38
HFX-3/4	0.750	19.05	0.224	5.69	0.015	0.38
HFX-1"	1.000	25.40	0.278	7.06	0.015	0.38
HFX-1-1/4	1.250	31.75	0.347	8.81	0.015	0.38