

THERMAL EXPANSION OF PIPE / TUBE

TEMPERATURE	CARBON STEEL	ALLOY STEEL	STAINLESS STEEL
°F	C-Mo 3Cr-Mo	5Cr-Mo THRU 9Cr-Mo	18Cr-8Ni
-25	-0.68	-0.63	-0.98
0	-0.49	-0.46	-0.72
25	-0.32	-0.30	-0.46
50	-0.14	-0.13	-0.21
70	0.00	0.00	0.00
100	0.23	0.22	0.34
125	0.42	0.40	0.62
150	0.61	0.58	0.90
175	0.80	0.76	1.18
200	0.99	0.94	1.46
225	1.21	1.13	1.75
250	1.40	1.33	2.03
275	1.61	1.52	2.32
300	1.82	1.71	2.61
325	2.04	1.90	2.90
350	2.26	2.10	3.20
375	2.48	2.30	3.50
400	2.70	2.50	3.80
425	2.93	2.72	4.10
450	3.16	2.93	4.41
475	3.39	3.14	4.71
500	3.62	3.35	5.01
525	3.86	3.58	5.31
550	4.11	3.80	5.62
575	4.35	4.02	5.93
600	4.60	4.24	6.24
625	4.86	4.47	6.55
650	5.11	4.69	6.87
675	5.37	4.92	7.18
700	5.63	5.14	7.50
725	5.90	5.38	7.82
750	6.16	5.62	8.15
775	6.43	5.86	8.47
800	6.70	6.10	8.80
825	6.97	6.34	9.13
850	7.25	6.59	9.46
875	7.53	6.83	9.79
900	7.81	7.07	10.12
925	8.08	7.31	10.46
950	8.35	7.56	10.80
975	8.62	7.81	11.14
1000	8.89	8.06	11.48
1025	9.17	8.30	11.82
1050	9.46	8.55	12.16
1075	9.75	8.80	12.50
1100	10.04	9.05	12.84
1125	10.31	9.28	13.18
1150	10.57	9.52	13.52
1175	10.83	9.76	13.86
1200	11.10	10.00	14.20

FOR ASSISTANCE CONTACT OUR ENGINEERING DEPARTMENT AT (888) 866-1080