

# THERMAL EXPANSION CHART

(Inches are movement per 100 feet between 70 F and respective temperature)

<u>Temperature</u> (degrees F)	<u>Carbon Steel</u> (inches)	<u>Stainless Steel</u> (inches)
70	0.00	0.00
100	0.23	0.35
125	0.42	0.65
150	0.60	0.90
175	0.80	1.18
200	1.00	1.50
225	1.22	1.75
250	1.40	2.05
275	1.60	2.32
300	1.82	2.60
325	2.05	2.90
350	2.25	3.20
375	2.50	3.50
400	2.70	3.80
425	2.95	4.10
450	3.15	4.41
475	3.40	4.75
500	3.62	5.00
525	3.86	5.31
550	4.10	5.62
600	4.60	6.25
625	4.90	6.55
650	5.11	6.90
675	5.40	7.20
700	5.63	7.50
725	5.90	7.85
750	6.15	8.15
775	6.45	8.50
800	6.70	8.80
825	6.98	9.15
850	7.25	9.50
875	7.50	9.80
900	7.80	10.13
925	8.10	10.50
950	8.35	10.80
975	8.60	11.15
1000	8.90	11.50
1025	9.20	11.85
1050	9.50	12.15
1075	9.75	12.50
1100	10.05	12.85
1125	10.30	13.20