

Cone Bore Growth Expansion Rates Due to Thermal Changes

Calculations based on an ambient temperature of 70° Fahrenheit

Cone bore (inches)	Thermometer temperature reading in degrees Fahrenheit		
	200° F	150° F	250° F
1	0.0008	0.0005	0.0011
2	0.0016	0.0010	0.0022
3	0.0023	0.0014	0.0032
4	0.0031	0.0019	0.0043
5	0.0039	0.0024	0.0054
6	0.0047	0.0029	0.0065
7	0.0055	0.0034	0.0076
8	0.0062	0.0038	0.0086
9	0.0070	0.0043	0.0097
10	0.0078	0.0048	0.0108
11	0.0086	0.0053	0.0119
12	0.0094	0.0058	0.0130
13	0.0101	0.0062	0.0140
14	0.0109	0.0067	0.0151
15	0.0117	0.0072	0.0162
16	0.0125	0.0077	0.0173
17	0.0133	0.0082	0.0184
18	0.0140	0.0086	0.0194
19	0.0148	0.0091	0.0205
20	0.0156	0.0096	0.0216
21	0.0164	0.0101	0.0227
22	0.0172	0.0106	0.0238
23	0.0179	0.0110	0.0248
24	0.0187	0.0115	0.0259
25	0.0195	0.0120	0.0270
26	0.0203	0.0125	0.0281
27	0.0211	0.0130	0.0292
28	0.0218	0.0134	0.0302
29	0.0226	0.0139	0.0313
30	0.0234	0.0144	0.0324
31	0.0242	0.0149	0.0335
32	0.0250	0.0154	0.0346
33	0.0257	0.0158	0.0356
34	0.0265	0.0163	0.0367
35	0.0273	0.0168	0.0378
36	0.0281	0.0173	0.0389