

		2014-T6 Aluminum	1045 Steel	Copper	Titanium Ti-6Al- 4V (Grade 5), Annealed
	Original Length (feet)	α (in/(in•°F))	α (in/(in•°F))	α (in/(in•°F))	α (in/(in•°F))
	25	0.00001310	0.00000722	0.00001030	0.00000539
Temperature (°F)	Temperature Change with Respect to 0°F	Change in Length (in)	Change in Length (in)	Change in Length (in)	Change in Length (in)
	0	0.000000	0.000000	0.000000	0.000000
	20	0.078600	0.043320	0.061800	0.032340
	40	0.157200	0.086640	0.123600	0.064680
	60	0.235800	0.129960	0.185400	0.097020
	80	0.314400	0.173280	0.247200	0.129360
	100	0.393000	0.216600	0.309000	0.161700
	120	0.471600	0.259920	0.370800	0.194040
	140	0.550200	0.303240	0.432600	0.226380
	160	0.628800	0.346560	0.494400	0.258720
	180	0.707400	0.389880	0.556200	0.291060
	200	0.786000	0.433200	0.618000	0.323400
	220	0.864600	0.476520	0.679800	0.355740
	240	0.943200	0.519840	0.741600	0.388080
	260	1.021800	0.563160	0.803400	0.420420
	280	1.100400	0.606480	0.865200	0.452760
	300	1.179000	0.649800	0.927000	0.485100



