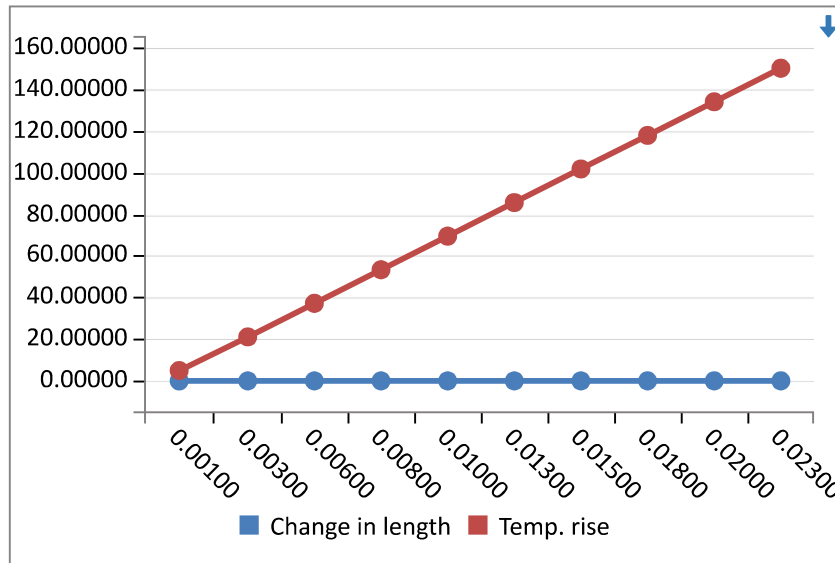


" />

Floating Bearing and Shaft Length Design and Calculator		
Blue cells editable		
original length, $L_o =$	0.3000	m
coefficient linear thermal expansion, $\alpha =$	0.00050	m / °C
Low temperature, $T_L =$	20.00	°C
High temperature, $T_H =$	45.00	°C
Results		
temperature rise, $\Delta T =$	25.000	°C
change in length, $\Delta L =$	0.00375	m

Graph change in length vs temperature rise		
temperature rise low, $\Delta T_L =$	5.00	°C
temperature rise high, $\Delta T_H =$	150.00	°C



Graph Collection Chane in length vs Temp. rise	Change in length	Temp. Rise °C
	0.00075	5.000
	0.00317	21.111
	0.00558	37.222
	0.00800	53.333
	0.01042	69.444
	0.01283	85.556
	0.01525	101.667
	0.01767	117.778
	0.02008	133.889
0.02250	150.000	

