



Farrell Bearings Limited Belt Length Calculator

Fill in *D*, *d*, and *C* to calculate the belt length

Fill in *D*, *d*, and *L* to calculate the Centre Distance

	Value MM	Result MM
Large Pulley Diameter	<i>D</i>	
Small Pulley Diameter	<i>d</i>	
Centre Distance	<i>C</i>	
Belt Length	<i>L</i>	

Formulas

$$L = 2C + ((D-d)^2 / 4C) + (1.57*(D+d))$$

$$C = A + \sqrt{A^2 - B}$$

$$A = (L/4) - (.3925*(D+d))$$

$$B = (D-d)^2 / 8$$

