



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 | Result INCH |
|------------------------------|----------|-----------|-------------|
| Large Pulley Diameter | <i>D</i> | | |
| Small Pulley Diameter | <i>d</i> | | |
| Centre Distance | <i>C</i> | | |
| Belt Length | <i>L</i> | | |

Formulas

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

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

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

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

