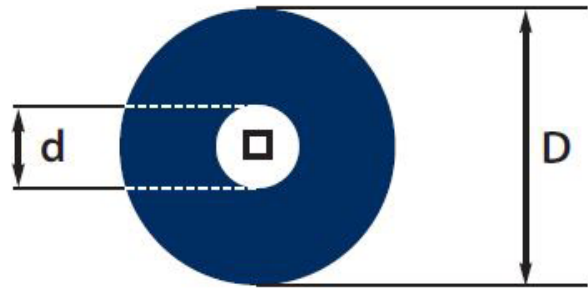


# CALCULATING THE LENGTH OF A BELT IN A COIL

This formula will calculate the length of a belt stored in a coil:

Coil length L in metres

$$\frac{L(m) = (D^2 - d^2)0.785}{Tb}$$



## EXAMPLE:

D = 1.1m, d = 0.3m and Tb = 0.0105mm (10.5mm)

LENGTH OF BELT IN COIL = 83m

## KEY:

D = Outside diameter of roll or belt (m)

d = Inner core diameter (m)

Tb = Belt thickness (m)

## Ideal Storage Conditions for Belts:

- ▶ Dry and cool location - 10 to 20°C and well aerated
- ▶ Relative humidity of approx. 65%
- ▶ Screened from direct sunlight
- ▶ Away from acids, lubricants, dissolvents
- ▶ Belt rolls should not be placed directly on the floor or on their edges



▶ **TekTip:** When storing a belt for long periods the roll should be placed on to an A-frame and periodically turned in order that the inner pressure does not continuously affect the same area.

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