

**D** = outside diameter

**d** = inside diameter

**l** = length of tape

**N** = number of wraps

**n** = number of parts

**p** = part pitch

**t** = tape thickness

$$N = \frac{D-d}{2t}$$

$$l = \pi N \left( \frac{D+d}{2} \right)$$

(includes leaders)

$$n = \frac{l}{p}$$

$$n = \frac{(D^2-d^2)\pi}{4pt}$$