

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)

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

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