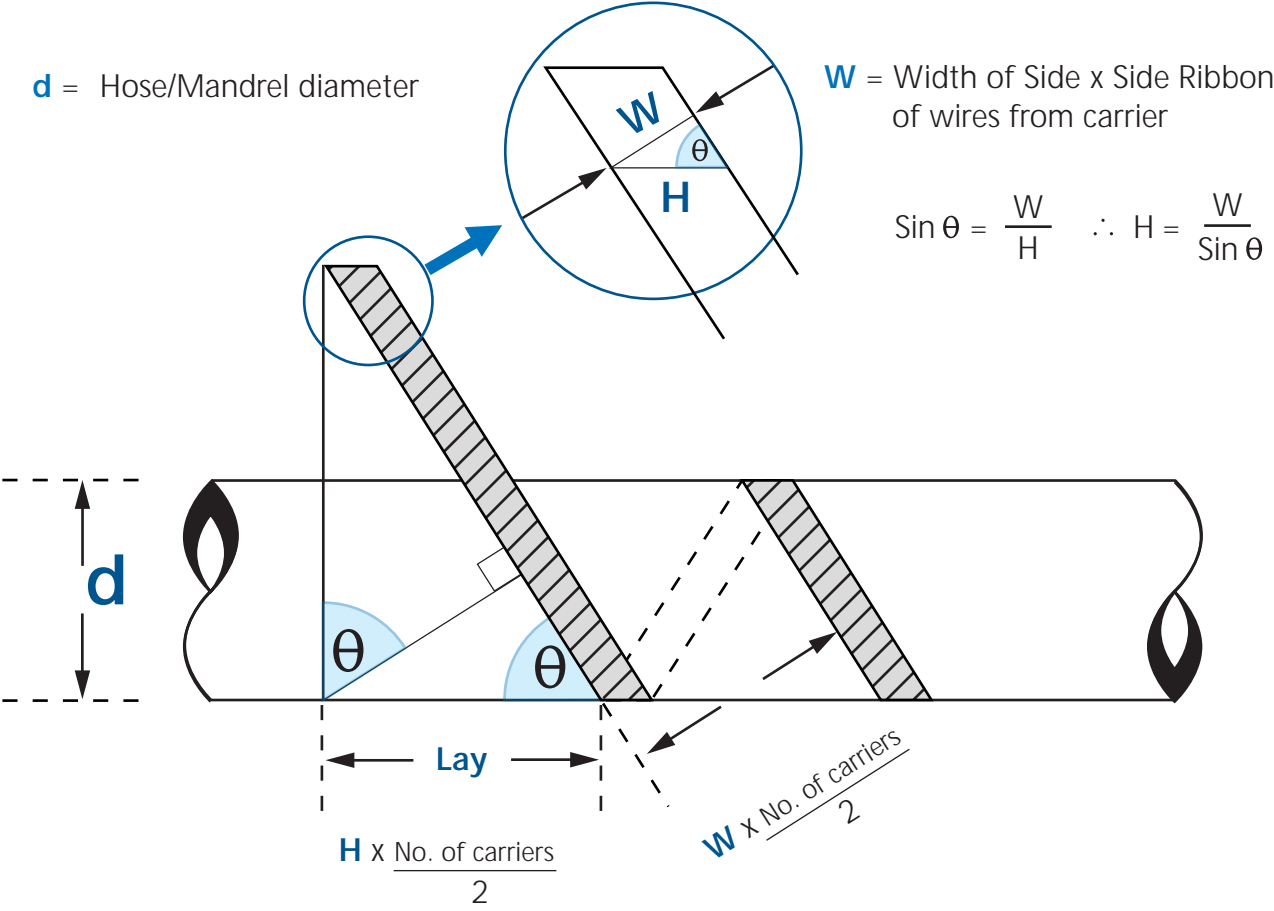


Full Cover Braid Condition and Lay



θ = Braiding or Lay angle

$$\cos \theta = \frac{W \times \text{half no. of carriers}}{pd} \quad \text{Also Lay} = \frac{pd}{\tan \theta}$$

Example for Full Cover (using 96 carriers)

Using 10" dia. mandrel and flat braid (ribbon) width .35"

Braid angle = $\frac{\cos 0.35 \times 48}{p \times 10} = 57.67^\circ$

Lay produced = $\frac{p \times 10}{\tan 57.67^\circ} = 19.88"$