wed in airfuil theory as: $\frac{\int^{T_1} \cosh \theta}{\cos \theta - \cos \theta} = \frac{\sin n\theta}{\sin \theta}$ then we set $\cos \theta = C$

 $\int_{0}^{\pi} \frac{\sin \theta}{\cos \theta \cos \theta} \cdot \frac{2\sqrt{\omega} d}{\sin \theta} \left(\cos \theta - C\right) = 2\sqrt{\omega} d$

