

$$L = \omega \rho \frac{Q^2}{A} R (\tan \beta_1 - \tan \beta_2)$$

$$K = \frac{1}{2} \rho \omega_2^2 (\tan \beta_1 - \tan \beta_2) (\tan \beta_1 + \tan \beta_2)$$

$$\frac{L}{K} = \frac{2 \rho Q^2}{A \omega_2 (\tan \beta_1 + \tan \beta_2)}$$