

$$① f_0 = 10 \text{ ft}$$

$$② C_d = \frac{1}{(2\pi f_0)^2 \cdot L}$$

$$③ \frac{l}{D} = \text{cte.}$$

$$④ D_{\max} = \frac{C_d}{K}$$

$$K = 10^{-1} \frac{l}{D} + 3^{-1} \left[\frac{l}{D} \right] (1 \sim 30) *$$

$$Q = 75 \cdot D \cdot \phi \cdot \sqrt{ft}$$

$$D_{\min} = \frac{Q}{75 \cdot \phi \cdot \sqrt{ft}}$$

$$⑤ \frac{l}{D} \text{ y } D_x \longrightarrow l$$

$$⑥ N = \sqrt{\frac{L(l + 0,45D)}{10^{-2} \cdot D^2}}$$

$$⑦ P = \frac{l}{N}$$

$$⑧ \frac{d}{P} = 1 \quad d = P \quad \phi = e(-1,123270278^{-1}) \cdot \left(\frac{l}{D}\right)^{0,4} (2,03330583)$$

l/D	ϕR_1	ϕR_2	$\phi \text{ APROXIMADO}$
0,2	0,1913498714	0,1913557104	0,1913527909
0,4	0,2633056849	0,2633107425	0,2633082137
0,6	0,3165707169	0,3165747319	0,3165727244
1	0,3689896029	0,3689922801	0,3689909415
2	0,6342968305	0,6342892618	0,634293046
4	0,8011097034	0,8010935187	0,801101611