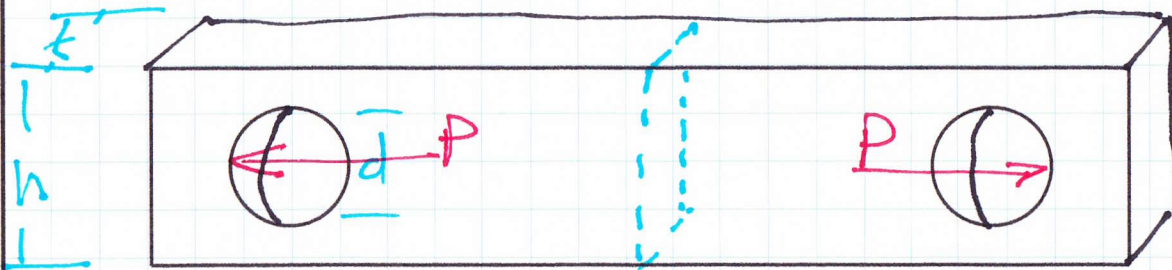
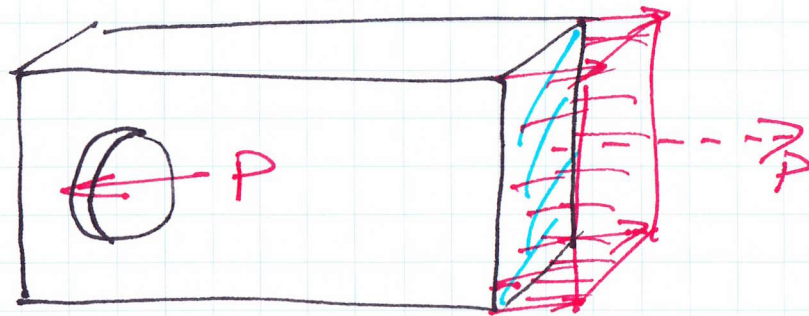


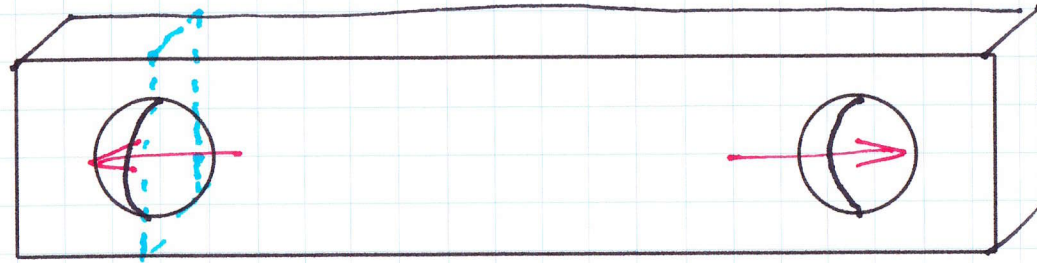
Uniform Stress in Pinned Axial Member in Tension



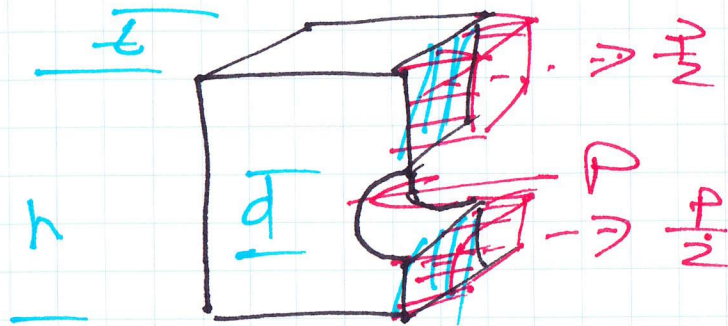
Nominal Stress
Away from the holes



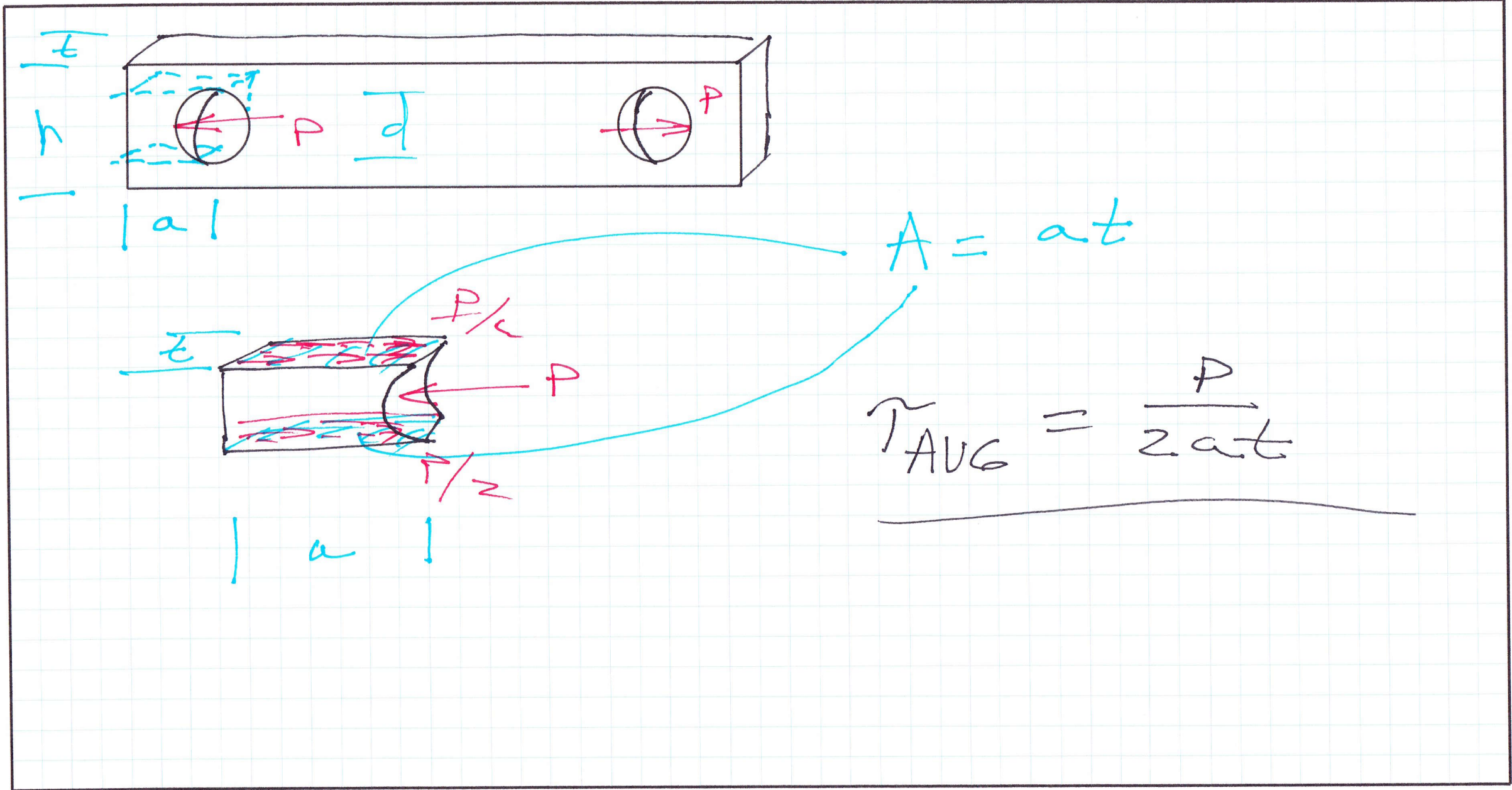
$$\sigma_{AVG} = \frac{P}{A} = \frac{P}{ht}$$

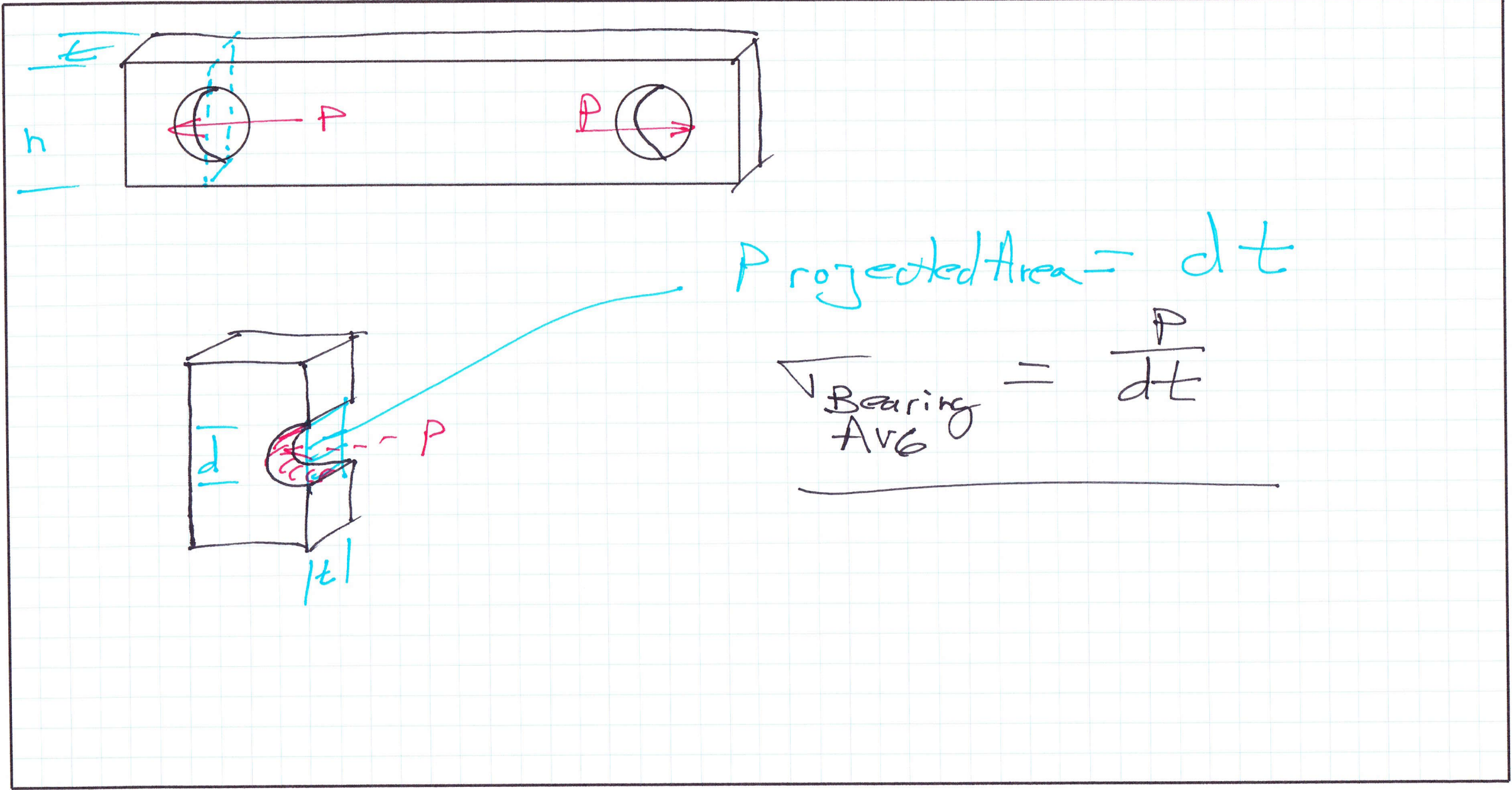


$$A_{\text{Reduced}} = (h-d)(t)$$

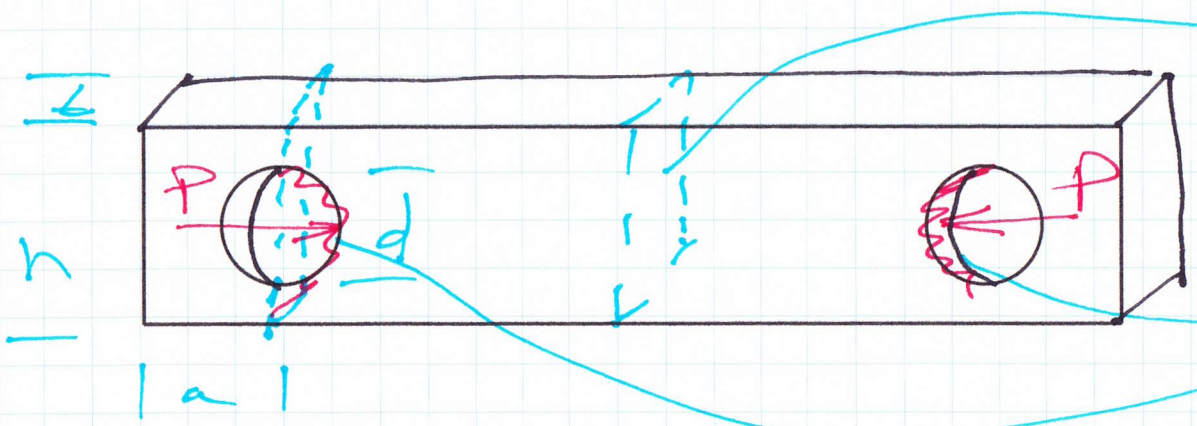


$$\sigma_{\text{AVG Hole}} = \frac{P}{t(h-d)}$$





Uniform Stress in Pinned Axial Member in Compression

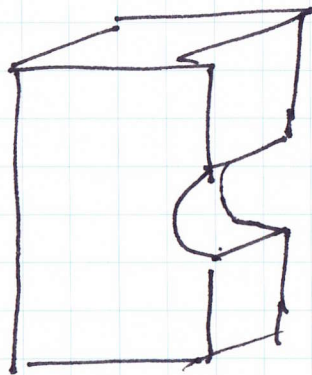


Normal Stress

$$\sigma_{AVG} = \frac{P}{ht}$$

Bearing Stress

$$\sigma_{Bearing\ AVG} = \frac{P}{dt}$$



No Increased
Normal Stress
at the hole

No Tear Out
Shearing stress
at the hole