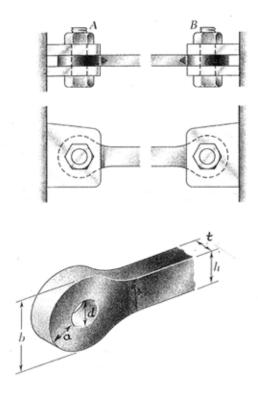
Quiz#1

ESM2204 Spring 2011

Instructor: R.D. Kriz

A steel tie rod shown is designed to carry either a tension or compressive force of magnitude, P, between pins at points A and B. Using the dimensions shown in figures below determine the expressions for the bearing stress and the ${\bf maximum}$ normal stress in tension and compression, where ${\bf X}(b\text{-}d) < t \ h$.



Choices of expressions for different stress types: \(\square \cdot \cdo