

UNSET A230 , 0.105 in dia

FIND TORSIONAL YIELD

$$S_{ut} \sim 225 \text{ kpsi} \quad (\text{FIGURE 13-3})$$

$$S_{ys} = 0.5(S_{ut}) = 0.5(225) = 112,500 \text{ psi} \quad (\text{TABLE 13.6})$$

FIND ULTIMATE SHEAR STRENGTH

$$S_{us} \approx 0.67 S_{ut} = 151,750 \text{ psi}$$