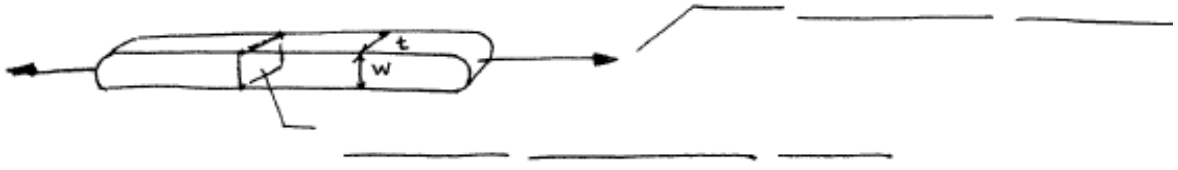


NOTES: Stress and strain

STRESS, STRAIN & OTHER Ss

NORMAL STRESS IN MEMBERS

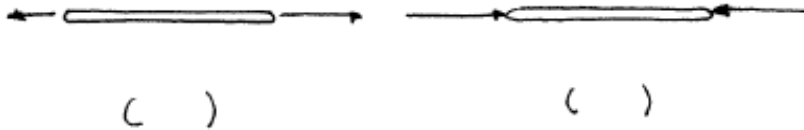


A =

$\sigma = \frac{P}{A}$

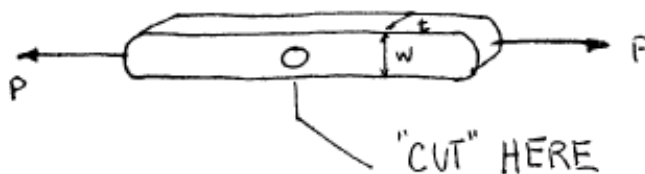
UNITS:

SIGN CONVENTION



THINGS BREAK WHEN _____ IS TOO HIGH.

¿WHAT IF THERE IS A HOLE IN BAR?



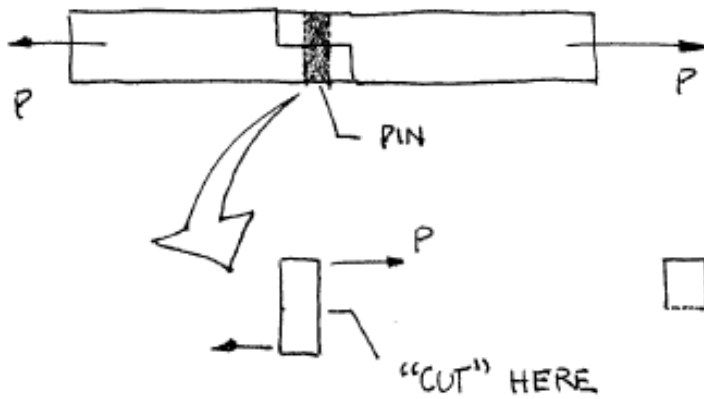
NOTES: Stress and strain

DRAW F.B.D. FOR SECTION LEFT OF "CUT".



$$\sigma_{AVG} =$$

SHEAR STRESS IN CONNECTIONS

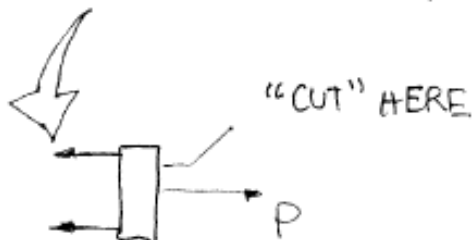
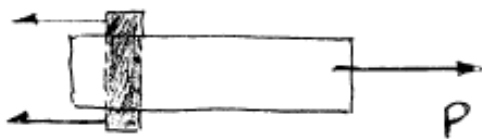


ISO VIEW

SINGLE SHEAR

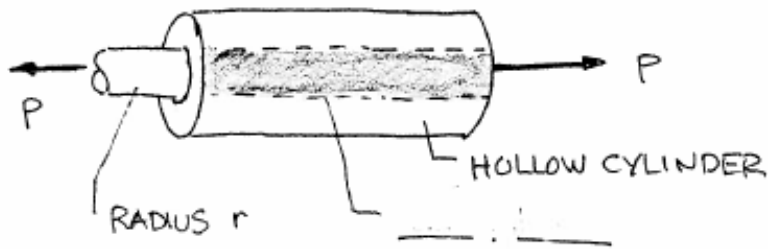


DOUBLE SHEAR

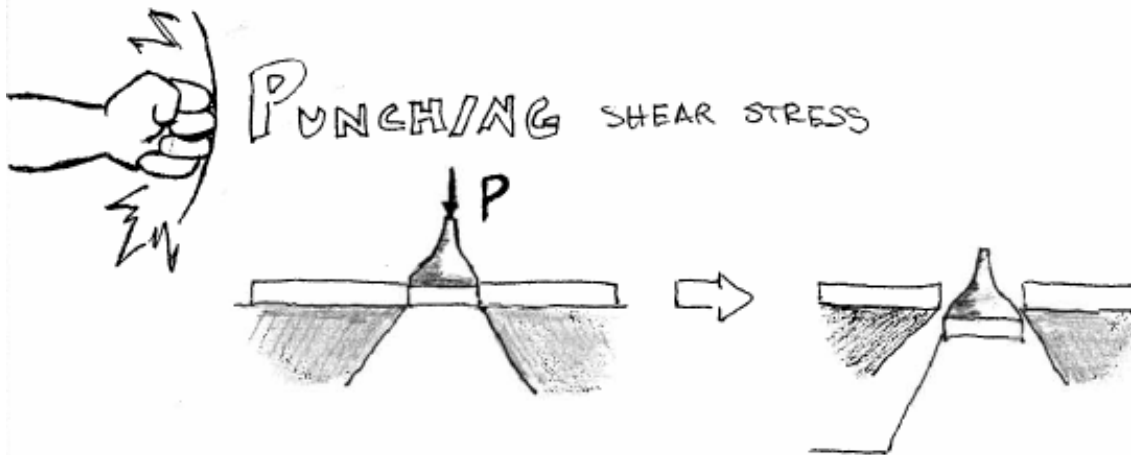
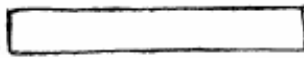


ISO-VIEW

NOTES: Stress and strain



F.B.D. of ROD:



FBD PUNCHED DISK



SUMMARY

- STRESS IS _____ PER _____
 1. _____ ⇒
 2. _____ ⇒
- DRAW FBD!! NOW W/ _____ & _____.