NORMAL STRESS IN MEMBERS

\[ A = \]

\[ \sigma = \quad \equiv \]

UNITs:

SIGN CONVENTION

THINGS BREAK WHEN _______ IS TOO HIGH.

WHAT IF THERE IS A HOLE IN BAR?

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

\[ \sigma_{\text{avg}} = \]

SHEAR STRESS IN CONNECTIONS

"CUT" HERE

ISO VIEW

SINGLE SHEAR

\[ \tau_{\text{avg}} = \]

DOUBLE SHEAR

"CUT" HERE

ISO-VIEW
F.B.D. of Rod:

**Punching** Shear Stress

FBD Punched Disk

**Summary**

- Stress is _______ per _______
  1. _______ →
  2. _______ →
- Draw FBD!! Now w/ _______ & ______.