<u>Assignment</u>

- 1. Obtain a relationship between Rigidity Modulus and Young's Modulus
- 2. Obtain the relationship between the three Elastic Constants
- 3. In an experiment an alloy bar 1m long and 20mm*20mm in section was subjected to a tensile load of 6.4KN. If the length of the bar increases by 0.1mm, Calculate the value of Poisson's ratio.

Take K = 1.33*10 N/mm