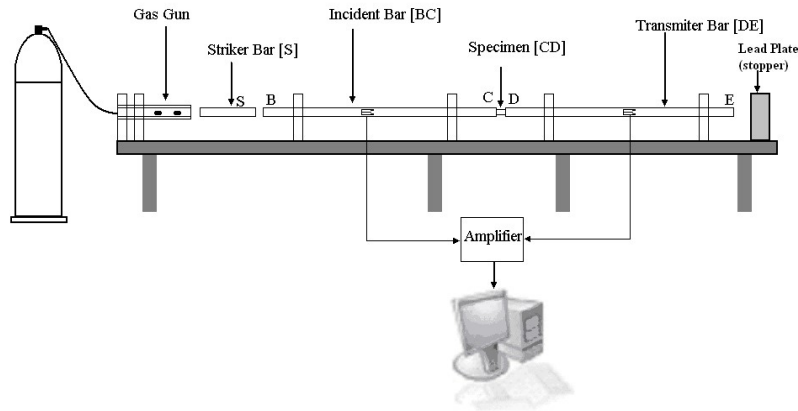


Split Hopkinson Pressure Bar



Test setup

- ❖ High strain rate test
- ❖ 1000/s to 5000/s
- ❖ Compression
- ❖ Tension

Application

- ❖ Material test data generation
- ❖ FE analysis of radioactive material shipping cask.



SHPB is an inhouse developed experimental test setup that is used to evaluate material property at high strain rate loading. The data generated is used for design and safety analysis of impact events such as 9 m drop test of radio-active material shipping cask. This setup is used to carry out compression and tensile tests in strain rate range of 10^2 to 10^4 s^{-1} .