

SAFETY GUIDELINES FOR SHPB

1. Never perform experiment without the help of other students
 - a. For ease of conducting a safe and efficient experiment
2. Make sure proper precautions are made prior to experiment
 - a. Wear safety glasses at all times
 - b. Long sleeve shirts and shoes should be worn, no open toe shoes or sandals
 - c. Make sure all wires and gages are adhered correctly and prepared properly
3. Make sure proper bars are being used depending upon specific materials being tested (steel or aluminum bars)
 - a. Solid-Solid Bar (hard materials)
 - b. Solid-Hollow Bar (soft materials)
 - c. Hollow-Hollow (real soft materials)
4. **DO NOT PRESSURIZE GUN UNTIL YOU ARE ABOUT TO FIRE**
 - a. Do not put fingers between bars, i.e. striker and incident bar or incident and transmitter bar when SHPB is pressurized
 - b. Do not stand in front of muzzle or try to load striker bar when pressurized
 - c. Do not leave bar unattended after pressurized
 - d. If adjustments are needed, vent the pressure beforehand
5. Conduct yourself in a mature and responsible manner at all times in the laboratory
6. Make sure to yell “firing” when experiment is about to be run and SHPB is being pressurized, keep outside doors closed so no one walks in
7. Make sure everyone in the lab, helping or not with the experiment, is aware an experiment will be taking place