## GENERAL SIZE GUIDELINES

| TYPE OF <br> TESTING | SHEET <br> (Note 1) | PLATE <br> (Note 1) | SHAPES <br> (Note 2) | ROUND <br> BAR | PIPE | TUBING |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | WIRE

Notes: Sizes above are general guidelines and exceptions may apply
Sample sizes above are based on the material being saw cut; If gas cut, please call for sizes.
(1) Grain/rolling direction is required when submitting sheet or plate for testing. Always mark grain/rolling direction with an arrow.
(2) Shapes refer to beam, angle, channel, and T's.
(3) 5 g sample weight is needed for chips and samples too small to perform AES. 20 g sample for powders.
(4) Macrostruture requires a full cross section.
(5) Material $\leq 3 / 4^{\prime \prime} T\left(8^{\prime \prime}\right.$ elongation $=3^{\prime \prime} \mathrm{W} \times 18^{\prime \prime} \mathrm{L}, 2^{\prime \prime}$ elongation $\left.=3^{\prime \prime} \mathrm{W} \times 12^{\prime \prime} \mathrm{L}\right)$; Material $>3 / 4^{\prime \prime} \mathrm{T}=2^{\prime \prime} \mathrm{W} \times 6^{\prime \prime} \mathrm{L}$
(6) Material <3/4" D (2" elongation $\left.=18^{\prime \prime} \mathrm{L}, 4 \mathrm{D}=6^{\prime \prime} \mathrm{L}\right) ; \geq 3 / 4^{\prime \prime} \mathrm{D}=6^{\prime \prime} \mathrm{L}$
(7) Material $\geq 6^{\prime \prime}$ NPS $x>3 / 4^{\prime \prime}$ wall thickness $=6^{\prime \prime}$ L. Material $\geq 8^{\prime \prime}$ NPS $=3^{\prime \prime}$ L for a transverse test (if the material spec allows transverse testing).
(8) Requirement depends on size and specification; Call LTI for the sample size and/or testing direction.
(9) Sample size provided is per specimen - See specification for required test quantity.

