

11.14 (a) The advantages of extrusion as opposed to rolling are as follows:

- (1) Pieces having more complicated cross-sectional geometries may be formed.
- (2) Seamless tubing may be produced.

(b) The disadvantages of extrusion over rolling are as follows:

- (1) Nonuniform deformation over the cross-section.
- (2) A variation in properties may result over a cross-section of an extruded piece.