

# **Types of extrusion and extrusion equipment**

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## 1. Quiz - Key:

1. For what type of components vertical extrusion presses are preferred?

For axisymmetric parts such as tubes, thin walled tubes.

2. For aluminium or copper alloys, we employ lower extrusion speed. Why?

High strain rates will lead to hot shortness, which may lead to hot cracks.

3. In indirect extrusion why the extrusion pressure does not vary with ram travel distance?

Because there is no friction due to relative motion between billet and container. Billet remains stationary with respect to container. Friction is very less.

4. Mention the advantage and application of hydrostatic extrusion.

Hydrostatic extrusion is suitable for extruding brittle materials. Low friction, due to hydrostatic stress, increase in ductility.