

Wire and bar drawing - Basic concepts

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1.Quiz-Key

1. What is the difference between rod and wire drawing?

The initial bar stock for rod drawing is of larger diameter-rod. Wire drawing is a continuous process.

2. What is a draw bench?

It is a drawing set up used for rod or bar drawing, which is used for producing rods and tubes, which can not be coiled.

3. What is the purpose of back relief in drawing die?

It provides for expansion of the drawn wire after the exit from the deformation zone. It also reduces the abrasion of the wire.

4. What is patenting?

It is annealing heat treatment given to drawn steel wire by dipping the wire in hot lead bath at 315° C. This treatment imparts high strength as well as ductility to the wire.

5. For what type of drawing is Wet drawing preferred? Dry drawing?

Wet drawing – long wires. Dry drawing – short rods.