

Analysis of strip rolling - 1:

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1. Quiz

What material is the work roll in a cluster mill made of? Why?

1. How will you avoid roll flattening?
2. Where is the neutral point located for zero friction condition? For high friction?
3. A strip of 200 mm width is rolled from a thickness of 15 mm to 11 mm. The roll has a diameter of 600 mm and a speed of 100 rpm. Estimate the roll force. Assume the strength coefficient as 900MPa and $n = 0.5$.