

Calculation of the amount of the reduction required for the formation of compound layers during cold rolling of bimetals

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Abstract

© 2016 Trans Tech Publications, Switzerland. Calculated values of joint plastic deformation for forming a connection layer of the bimetal during cold rolling. Deflection of the primary setting of the bimetal layers depends on the thickness and sizes of destruction blocks, the ratio of the geometric shapes of the blocks of the surface layer destruction, the external friction during rolling, the strip tension, the diameter of the rolls, the thickness of the bimetallic billet.

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Keywords

Bimetallic strip, Cold cladding, The deformation of the stiffening layers of the bimetal, The size of the blocks of the destruction of the surface layers