



Effect of deformation-induced martensite on the microstructure, mechanical properties and corrosion resistance of X5CrNi18-8 stainless steel

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The chemical, machinery, food, automotive, building, nuclear and shipbuilding industry requires increasingly steels with good combination of excellent corrosion resistance, high mechanical properties and good formability. Metastable austenitic stainless steels, well-known as 18/8 types combine these properties, making them very attractive [1-4].

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