



Comparison of Low Stress Creep Properties of Ferritic and Austenitic Creep Resistant Steels

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Low stress creep tests:

- Material AISI-316H
- Stress < 30 MPa
- Temperature range 923 K to 1073 K
- Testing technique helicoid spring specimen
- Average test duration ≈ 2000 hrs

Results compared to:

- Conventional creep tests results on the same material at $\sigma > 100$ MPa
- Both low-stress and conventional creep test results on 9% Cr creep resistant steel (P-91 type steel)