

Ductile tungsten (W) pipes for structural applications

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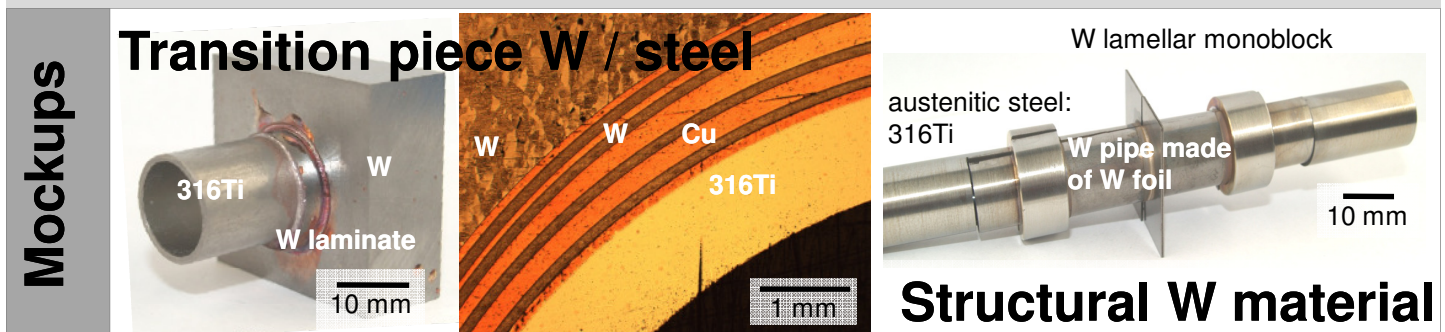
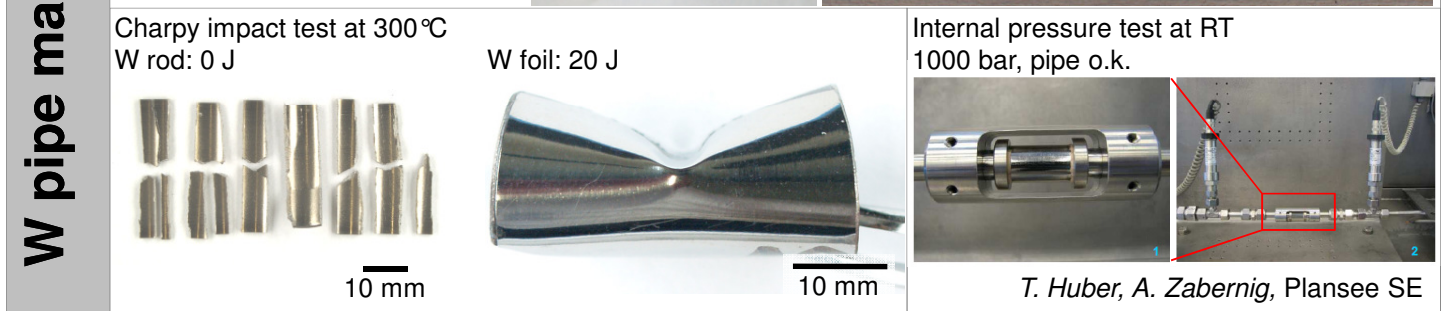
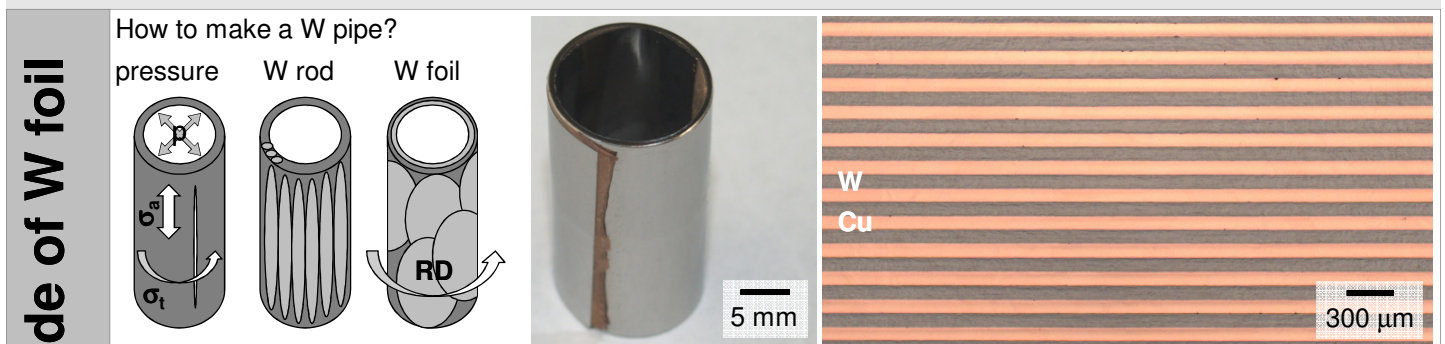
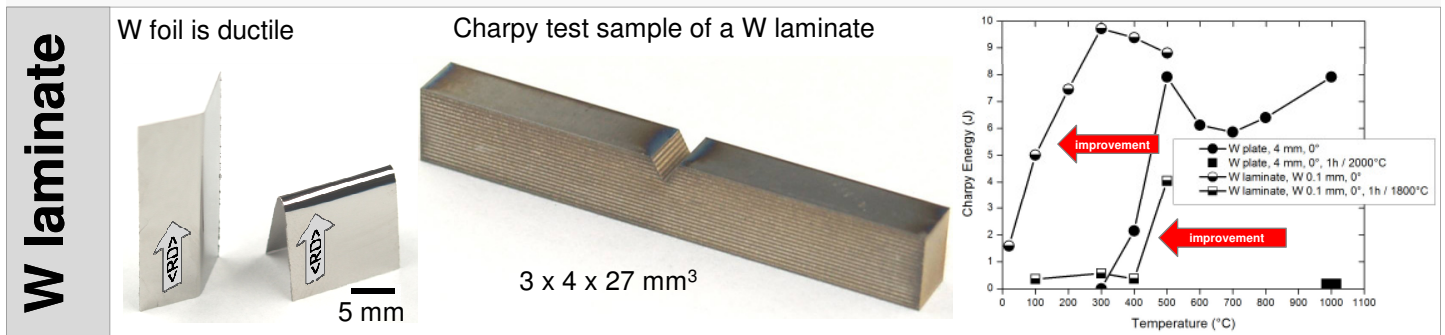
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Introduction

Tungsten, the metal with the highest melting point, has many advantages such as high temperature strength, high creep resistance and a high thermal conductivity. This makes tungsten a premium candidate for high temperature applications like e.g. in fusion energy. The disadvantage of tungsten however is its inherent brittleness. This rises the following questions: How can we make tungsten ductile? And how can we then fabricate ductile tungsten pipes for structural applications?



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