



Hydrostatic internal pressure test of the steel pipe according to DIN EN 10208.2

## Delivery of stressed pipes to the construction site

### Our advantages:

- Reduction of residual stresses and stress peaks in the pipe
- Optimisation of the circular pipe shape and elimination of discontinuities which may otherwise become larger during pipeline operation



Before you stress  
our pipes,  
we **STRESS**  
them.



The object of the new method is to provide the steel pipe with additional quality features through the application of increased pressure during the water pressure test. Analogous to the well-tried stress test in the field (VdTÜV code of practice 1060), we carry out this > quality-improving pressure test with slight plasticising < on request on each steel pipe already during pipe production. The pipes tested in this way can be classified as „pipes with proof of stress relief“.

- Lowering of costs and time through reduction of the pressure testing sections in the field (also larger differences in height possible when testing the pipeline)
- Increased reliability for load changes
- Gain in safety due to optimisation of the stress relationships in the pipe



## New ways in water testing pipes for pipelines at the factory

For us the water pressure test is not just proof of pipe sealing and strength.

We demand more.



Conception & Design, Welke Consulting Group, Siegen, Germany



**STRESSED?**

For further information please visit:

[www.bender-ferndorf.de](http://www.bender-ferndorf.de)

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**PRESTRESSING OF STEEL PIPES**