



High pressure hydraulic pipes

Product information | Technical data sheet

Mubea Precision Steel Tubes manufacture welded precision steel tubes of the highest quality out of multiphase steels for the production of high-pressure hydraulic line pipes as a substitute for seamless drawn precision steel tubes.

The applications in this area of yellow goods are highly quality-sensitive. The quality of the tubes is ensured by a very good quality of the primary material, a very stable welding process in conjunction with extensive testing of the seam

quality and tight production and dimensional tolerances. The tubes produced in this way can withstand high operating pressures and can be bent into the required shape without any additional heat treatment.

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Tube requirements

- excellent formability
- High operating pressure guaranteed
- High geometric accuracy
- excellent weldability
- Small bending radii
- Excellent surface condition

Material properties

- Homogeneous strength and elongation
- Very good forming behavior

Microstructure

- Homogeneous, fine-grained microstructure in weld seam and base material
- Very good weld seam quality
- Very good forming behavior

Geometry

- minimierte Schwankungen der Wanddicke und
- minimized excentricity
- Excellent surface condition
- Minimized surface imperfections (adhesions, scratches, dents, ...)



Materials & dimensions

Application examples	Pipe standard	Steel grade	Delivery condition	Dimension range mm*
High-pressure Hydraulic pipes	EN 10305-3	Multiphase steel	+CR1	AD 25 - 60 WD 2.5 - 6.0