

Hydroforming Technology



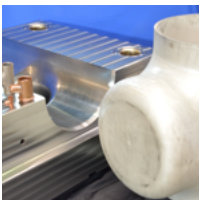
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The cost-effective hydroforming process has become established for producing complex components such as T-fittings, bends and free-form pieces, particularly for the oil and gas industries. In this process the pipe is formed into the desired finished component in a special hydraulic press using specialised tools and a liquid medium.

Images



Technical data

Products:	T-fittings, bends	Free from hydroforming
Closing force (KN):	6,000 to 150,000	
Diameter (mm):	up to 1,016	up to 150
Wall thickness (mm):	0.8 - 35	0.7 - 10
Component length (m):	max. 2.5	individual

Advantages

- Different materials and wall thicknesses can be used in the same mould
- Multiple parts per forming cycle possible
- The process does not depend on the type of pipe being formed – welded or seamless
- Reduction of the number of process steps, parts integration
- Highest dimensional, form and repeat accuracy of the geometry
- Low energy consumption in volume production is achieved by the AWS pump-reservoir system
- Work hardening results in low component weight with high material and fatigue strength
- Short cycle times by applying a new pressure generation concept
- Also suitable for the production of bi-metal/cladding fittings
- Automatic loading and unloading systems

We would be happy to send you further information on the model series.