

Title (en)
METHOD OF MAKING TUBULAR CONSTRUCTION PARTS

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Application
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Abstract (en)
[origin: EP0372360A2] The invention relates to a method of making tubular construction parts, a tube being formed starting from a sheet and the two ends being welded to one another and the tube thus obtained being subjected to an expanding process. The object of the invention is to provide a method of making tubular construction parts with which high-quality tubular construction parts, for example for baking tubes, can be made in a cost-effective and operationally reliable manner. The invention essentially consists in the tube being mechanically pre-expanded before the expanding process and in the pre-expanded tube, with its two ends sealed, being subjected in a closed manner to a hydroforming expanding process. The advantages achieved consist in particular in the fact that, when the method is used, there is a considerable saving of material with regard to the body to be made and virtually no scrap arises in the course of the manufacturing process. Furthermore, low tool costs result for the changeover if various types of tubular construction parts are made. There is also no problem in using sheets of the most varied quality, e.g. normal deep-drawing steel as well as austenitic and ferritic stainless steel. Different sheet thicknesses can also be readily processed. <IMAGE>

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