

Title (en)

Plastic working method for a holed member

Title (de)

Verfahren zur plastischen Bearbeitung eines gelochten Glieds

Title (fr)

Procédé de travail plastique pour un élément à trou

Publication

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Application

**EP 93100205 A 19930108**

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Abstract (en)

[origin: EP0560010A1] The present invention relates to a plastic working method for a holed member to obtain a holed member (33) with a through hole at the center by plastic working and its object is to securely prevent any defect such as an underfill from occurring. The present invention comprises a roughing process and a finishing process. In its finishing process, with an intermediate material (57) placed under compressive force caused by a punch (37) and a counter punch (39), a large diameter part or a diameter enlarging part of a mandrel (49) is pulled out of the through hole of the intermediate material (57) with inserting a small diameter part of the mandrel (47) to the same through hole so that the gap between the small diameter part of the mandrel (47) and the through hole is filled with the material. <IMAGE>

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Cited by

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