

Title (en)  
Pressing tool.

Title (de)  
Presswerkzeug.

Title (fr)  
Outil de presse.

Publication  
**EP 0590188 B1 19941214 (DE)**

Application  
**EP 92116718 A 19920930**

Priority  
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Abstract (en)  
[origin: EP0590188A1] The invention relates to a pressing tool (30) for the production of an encircling outer bead (3) on a tube (4). A known pressing tool has a split outer die (1) fixed to the frame and having an encircling recess (2), the depth of which is at least equal to the height of the bead (3). Arranged within this outer die (1) are a plurality of segmental pressing bodies (5) which, at the level of the recess (2), each have a raised portion (6) corresponding to the internal shape of the bead (3) and, on the inside, an oblique surface (15). The oblique surfaces (15) complement one another to form a truncated cone. A conical, axially displaceable mandrel (16) can be introduced into this truncated cone. When this mandrel (16) is introduced, the pressing bodies (5) are displaced from a starting position into an active position. In the starting position, the raised portions (6) lie within a circle, the diameter of which is no more than equal to the internal diameter of the tube (4), and, in the active position, the pressing bodies (5) are expanded against the outer die (1). This pressing tool has the disadvantage that it is unsuitable either for long tubes or for tubes with a small diameter and relatively thick walls. The object of further developing the pressing tool in such a way that it is suitable both for long tubes and for thick-walled tubes with a small inside diameter is achieved by virtue of the fact that, on their sides facing the mandrel (16), the pressing bodies (5) have radially outward-projecting projections (31) which are supported axially against the outer die (1), and the sides of the pressing bodies (5) facing away from the mandrel (16) form, together with the outer die (1), an annular introduction gap for the tube (4). In an advantageous development, either the pressing bodies (5) or the tube (4) are twisted relative to one another between two processing steps. <IMAGE>

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Cited by  
CN106345872A; CN116274550A; CN113878007A; FR2738512A1; DE102011081519A1; CN110681750A; EP0815981A3; CN110153298A; CN110153299A; CN116967304A; US9951894B2; WO2013186360A1

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