

Title (en)

PRESS DIE FOR A PRESSING TOOL FOR PRESSING ROUND TUBULAR WORKPIECE SECTIONS

Title (de)

PRESSMATRIZE FÜR EIN PRESSWERKZEUG ZUM VERPRESSEN VON RUNDROHRFÖRMIGEN WERKSTÜCKABSCHNITTEN

Title (fr)

MATRICE DE PRESSAGE POUR UN OUTIL DE PRESSE POUR LE PRESSAGE DE SECTIONS TUBULAIRES DE PIÈCES À USINER

Publication

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Application

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Abstract (en)

[origin: WO2019042500A1] The invention relates to a press die (1) for a pressing tool (100) for pressing round tubular sections of at least two workpieces, wherein the press die (1) comprises a through-hole (4) with a circumferential face (7) which is in the form of a die face, wherein the press die (1) is constructed from at least two die parts (8, 9) and comprises two closing points (10, 11) which are each formed by mutually assigned end faces (8.1, 8.2) of the at least two die parts (8, 9) and the at least two die parts (8, 9) each comprise a circumferential section of the through-hole (4), such that, in a closed position of the at least two die parts (8, 9) at the closing points (10, 11), the circumferential face (7) of the through-hole (4) is circumferentially assembled. Provision is made for at least one of the die parts (8, 9) to comprise a round target contour (8.3) over at least one region (8.4) of the associated circumferential section of the through-hole (4) and for the at least one other die part (9) to comprise a contour (9.3) that differs from the round target contour (8.3) over at least one region (9.4) of the associated circumferential section of the through-hole (4), such that the circumferential sections, associated with the at least two die parts (8, 9), of the through-hole (4) are present in an asymmetric manner to one another with regard to a chord (8.7, 9.7) formed in each case by the associated circumferential section of the through-hole (4). The invention also comprises a pressing tool (100), a method for producing a pressed connection, and a method for producing a press die (1; 1.1).

IPC 8 full level

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- EP 3381618 A1 20181003 - VIEGA TECH GMBH & CO KG [DE]

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