

Title (en)

DEBURRING TOOL FOR DEBURRING BORING INTERSECTIONS

Title (de)

ENTGRATWERKZEUG ZUM ENTGRATEN VON BOHRUNGSVERSCHNEIDUNGEN

Title (fr)

OUTIL D'ÉBAVURAGE DESTINÉ À ÉBAVURER DES INTERSECTIONS DE TROUS

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Application

EP 18724544 A 20180514

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Abstract (en)

[origin: WO2018210767A1] The invention relates to a deburring tool (WZ) for deburring a boring intersection in the interior of a workpiece, which deburring tool has a tool body (WZK), on which a machining section (BA), which can be inserted into a main borehole of the workpiece and has at least one geometrically defined blade (S1, S2), for removing a burr at the transition from a transverse borehole into the main borehole, is formed adjacent to the front end (VE). A free face (FF) is formed on a first side (ST1) of the machining section (BA), which free face is adapted in such a way to the diameter of a transverse borehole to be deburred that, during insertion of the deburring tool into the main borehole, the front end of the deburring tool can be guided past a transverse borehole to be deburred without touching a burr formed thereon if the free face is facing said transverse borehole during the insertion. A guide head (FK) having a first guide section (FA1) for the play-free guidance of the machining section in the main borehole is formed on the machining section (BA). A first blade (S1) having a first cutting edge (SK1), which extends in an arcuate manner around the longitudinal axis (LA) of the tool body, is formed on the side of the first guide section remote from the front end (VE). A recess (AS) is formed diametrically opposite the free face (FF), which recess forms a chip collection space for accommodating a burr that has been sheared off. Preferably, an oppositely oriented second blade (S2) is formed at an axial distance from the first blade (S1).

IPC 8 full level

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