

Title (en)

CUTTING PLATE HAVING FLANK FACES AND CONTACT FACES ON THE PERIPHERAL GEOMETRY

Title (de)

SCHNEIDPLATTE MIT FREIFLÄCHEN UND ANLAGEFLÄCHEN AUF DER UMFANGSGEOMETRIE

Title (fr)

PLAQUE DE COUPE AVEC FACES DE DÉGAGEMENT ET FACES D'APPUI SUR LA GÉOMÉTRIE PÉRIPHÉRIQUE

Publication

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Application

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Abstract (en)

[origin: WO2013144281A1] The invention relates to a cutting plate (9) having flank faces (5) for installing in carrier tools for machining workpieces, wherein the cutting plate (9) has a top clamping face (1) on the top side of the cutting plate and a bottom clamping face (2) on the bottom side of the cutting plate (or vice versa) and a peripheral geometry that connects the clamping faces (1, 2) and blades (cutting corners (4) and cutting edges (8)) are arranged at the transition from each clamping face (1, 2) to the peripheral geometry and positive flank faces (5) are arranged below the blades (4, 8), which flank faces are recessed relative to the blades (4, 8), whereby a relief angle that is positive on both sides is created and a contact face (3) that is raised relative to the lowest points (6) of the flank faces (5) is arranged on each side (10) of the peripheral geometry. In order for the contact face (3) to be maximized in the interest of stable fixing of the cutting plate (9) and for the contact face (3) not to come in contact with the workpiece, a single contact face (3) is arranged on each side (10) of the peripheral geometry, which contact face has the largest width (B1) thereof on the center plane (7) of the peripheral geometry and which contact face shrinks from the center plane (7) to the cutting edges (8) and has the smallest width (B2) in the area of the cutting edges (8).

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Citation (search report)

See references of WO 2013144281A1

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