

Title (en)

CUTTING INSERT AND MILLING CUTTER COMPRISING SUCH A CUTTING INSERT

Title (de)

SCHNEIDPLATTE UND FRÄSWERKZEUG MIT EINER DERARTIGEN SCHNEIDPLATTE

Title (fr)

MATRICE DE DECOUPAGE ET OUTIL DE FRAISAGE COMPORTANT UNE TELLE MATRICE DE DECOUPAGE

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Application

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Abstract (en)

[origin: WO03022496A1] The invention relates to a cutting insert 1, 1', comprising opposite insert planes E1, E2 of a base 2 of one base area 3 wherein a conical surface section 4a of a lateral face 4 and the base area 3 facing the same form an acute angle alpha while forming a cutting edge 5, while a planar surface section 4b of the same lateral face 4 forms an obtuse angle beta with the opposite base area 3. The cone axis 6 of the conical surface area 4a lying in the insert plane E1, E2 runs off-set in parallel to the center insert axis 7 lying in the same insert plane E1, E2 while forming an off-center arcuate profile of the cutting edge 5. A milling cutter 17 comprising a number of such cutting inserts 1, 1' is characterized in that a cutting insert 1, 1' preferably disposed on the periphery of the center line M of a tool support 16 is off-set from the center line M by an angle $f = 5 \pm 3^\circ$.

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