

ABSTRACT

A cutting tool for rotary machining operations comprising:

- a tool holder, a leading end thereof having a substantially rigid support jaw formed with an insert supporting seat having a jaw support surface and a pair of jaw abutment walls diverging from a jaw apex, and juxtaposed with respect to said support jaw, a resiliently displaceable clamping jaw having a jaw clamping surface juxtaposed with respect to the jaw support surface, said jaws defining between them an insert receiving slot and being formed with aligned screw receiving bores;
- the cutting insert having a cutting portion and an integrally formed body portion adapted to be received in the slot, and having insert clamping and support surfaces, the jaw apex constituting a jaw abutment apex (17) and being disposed adjacent a leading end of said support jaw (3), a recess (52) being formed in said body portion (8), diverging outwardly from said cutting portion (7) and having side walls (53, 54) formed with insert apical (55) and side abutting portions (56, 57) such that when said insert (6) is supported by said insert supporting seat (3') of the support jaw (3) it is located in a predetermined position by respective abutment of said jaw abutment apex (17) and walls (15, 16) against the insert apical (55) and side abutting portions (56, 57).

This Sheet Has Been Replaced

