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Shaping of cutting part of angle milling cutters with nonzero geometry

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Abstract

Angle milling cutters with zero and nonzero geometry have been analyzed, as well as their advantages and disadvantages. Analysis of methods of treating cutting part of angle cutters has been made. The shaping process of cutting parts of angle milling cutters with non-zero geometry has been discussed in detail. Issues of designing these angle cutters have been considered and dependencies have been shown for defining their geometric parameters as well as the parameters required for machine setup for manufacturing the cutters. © IDOSI Publications, 2014.

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Keywords

Angle of inclination, Flute, Geometry of the cutting part, Mill, Rake angle