SOME ASPECTS COMPARATIVE CONCERNING THE DIAMETER ERRORS IN BAR TURNING

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Abstract: In the most processing methods, but specialy in the turning process, machining accuracy is considerably affected by the deflections of the machine-workpiece-tool system under the action of the cutting force with consequences under the workpiece. For this, the study presented in the paper, whants to show the results obtained by the different autors in this area, including points of view for this problem, with the target of study fixed by the diametral errors in bars turning. Is followed the evolution of the cutting force factor witch has an affect to the workpieces diameter in bar turning considerated. Also are presented, in a few words, the applicability in the future of this study in order to obtain products of high quality and precision.
Key words: Diameter; Error; Workpiece; Deflection; Turning.