

STUDY CONCERNING THE FORCES CUTTING TO THE REMAKING THROUGH TURN IN LONGITUDINAL OF THE POLYAMIDE PA 66

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Abstract: As part as work is presented the dependency of the force main of cutting to turn, F_z , in the cutting depth t , of the advance of cutting s , and of the speed v , utilizing even a factorial of the guy 2^{3-1} . As we know, the main cutting force is one of the factors which influence the workability of a material during the cutting process

The main cutting force during the lathing process is indirectly determined by measuring the electric current intensity of operating of the machine-tool during the unloaded running of the machine I_{gol} and the electric current intensity during the loaded running $I_{sarcină}$.

Polyamide PA 66 is material a composite the si is produced of the ERTA Company.

Key words: polyamide, main cutting force.