

CONSIDERATIONS FOR OPTIMIZING THE PROCESS OF CUTTING THREAD WITH TAPS

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Abstract: This paper is a comparative analysis between different types of taps covered with protective layers. The starting point of this work is to improve the process of threading with of taps.

The threading process with classic taps have many disadvantages, thus are trying to improve the quality and the performance of taps by various methods and procedures, the most common being covering the taps with protective layers. So for this work were chosen different types of taps covered with protective layers and for each type of tap, are presented the following elements: characteristics, utilization, use of their advantages, efficiency of the operation and increase the productivity of the processing of interior threads.

Key words: tap, efficiency, productivity, metal carbide, PVD coating.