

THE INFLUENCE OF WORKING PARAMETERS ON PRECISION IN PROCESSING OF SHORT, INTERIOR, CIRCULAR HONING, PROCESS OF PIECES MADE OF CAST IRON 250 (SR ISO 185 – 94)

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Abstract: This technical paper presents a study concerning the working parameters influence upon precision in processing short, interior, circular honing, processing of pieces made of cast iron 250. The standard of iron 250 is SR ISO 185-94. It was taken into the consideration the honing machine, the honing head, abrasive bars and working material. There are also presented the influence of the longitudinal and tangential speed upon circularity deviation for two different sections. The paper proposes to determine the best solution of the chip removal regime parameters so that the quality of surfaces and the form deviations obtained through the two methods of surface finishing, respectively honing, register the best values.

Key words: honing, parameters, precision in processing.