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Guided By

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Project Title

**PARAMETRIC STUDY OF STUD BLANK PARAMETERS FOR
MAXIMUM OUTER DIAMETER OF THREAD BY ANOVA ANALYSIS**

Abstract:

This report deal with Parametric Study of blank parameters of threads for getting maximum outer diameter of thread of stud produced by reciprocating die rolling machine. The experiments have been designed to show effects of various input Parameters on the outer diameter of thread of M10×1.50 by ANOVA Analysis. We take MS, SS316, SS410 Materials for the experiments. The outer diameter of thread is dependent on the parameters like Surface Roughness, Tensile Strength, Hardness and Out Of Roundness of the material. For this study an orthogonal array L9, and Analysis Of Variance (ANOVA), Regression Analysis were employed to investigate the range of outer diameter of Stud.

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