

INVESTIGATION OF DOUBLE CIRCUMFERENTIAL U AND V SHAPE NOTCH BAR FOR STRESS CONCENTRATION USING FEA

S. S. BAVISKAR¹ & P. G. PATIL²

¹Research Scholar, S. G. D. College of Engineering, Jalgaon, Maharashtra, India

²Associate Professor, S. G. D. College of Engineering, Jalgaon, Maharashtra, India

ABSTRACT

Many engineering components contain key way, shoulders and grooves, also in terms of notches. When notch shaft loaded in tensile loading at this stages stress concentration is produced at the notch root area. In this studied use U and V shape double circumferential notch shaft. In this paper studied the stress and strain concentration in U and V shape double circumferential notch shaft by FEA investigation at axial loading. In this paper analysis of result comparison between U and V shape of notch bar at same loading condition.

KEYWORDS: Axial Load, FEA, Stress-Strain Concentration, Notch

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