

Finite Element Analysis of Built-Up T Stub under Blast Loading

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Introduction

T-stub connection with hot rolled T stub is popularly used in steel structures because of its high flexural resistance. Recently, an alternative approach, built up T stub has gained attention owing to its freedom of sizing and material use. The behaviour of built up T stub under monotonic [1, 2] and cyclic loading [3] have already been studied but response under blast loading is yet to be explored. Accordingly, Present study aims to evaluate the performance of built up T stub under blast load through finite element analysis.