Abstract

A welding joint is a point or edge where two or more pieces of metal or plastic are joined together. They are formed by welding two or more work pieces (metal or plastic) according to a particular geometry. The strengths of these joints are of great concern as in today’s world these joints find a very crucial place in growths of structures and machine parts and it is the strength of such joints and welding which decides the service life of such structures and thus prevent from loss whether be it human loss, economic loss or the any such losses. In this paper we have taken few special and most commonly joints which is used by the industry and dealt with their microscopic and macroscopic behaviour when subjected to certain general types of loading.

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Index Terms

Computer Science
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Keywords

Welding Joint  Strength  Arc Welding  Bending Moment Of Welding Joint  Deflection
Universal Testing Machine