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.

References

- Khanna, O. P.  A textbook of Welding process (Dhanpat Rai Publications)
- Welding Complete: Technique, Projects Plans & Instructions by Editors of CPI
- Brumbaugh, James E. and Miller, Rex Audel.  Welding Pocket Reference
- Galvery Jr., William L. and Marlow, Frank B.  Welding Essentials
- Proctor, Thomas E. and Gosse, Jonathan F.  Print reading for Welders
- http://www.weldingtypes.net/
- https://sites.google.com/site/l3mip2015/04-pass-assignments/02-2014
- http://weldingteacher.com/WelderTrainandCertMa%232E33E8.htm

Index Terms

Computer Science

Information Sciences

Keywords
