



Friction Welding of 6063 Aluminum Alloy to Stainless Steels

By Pulla Sammaiah

LAP Lambert Academic Publishing Apr 2014, 2014. Taschenbuch. Condition: Neu. Neuware - The book aims at providing the unique information on friction welded products of dissimilar metals of Aluminum alloy and stainless steel which has wide range of applications. Aluminum alloys are attractive due to their lower weight, corrosion resistance, superior recycling ability and good workability. Due to these properties Stainless steels Aluminum joints are widely replacing conventional stainless steel products in many important areas like spacecraft, cryogenic applications, chemical plants and high vacuum systems. In the presentation of this book major emphasis has been laid on the combination of dissimilar metals of Aluminum Alloy and Stainless steel to produce a weldment that meets the intended service conditions. Although the joint strength and acceptance tests are essential for welded products, and also service conditions such as Thermal cycling and Corrosive environment encountered during service are also equally important. Dr. Pulla Sammaiah received his M.Tech. Degree in Industrial Metallurgy from RECW, now National Institute of Technology, Warangal. Ph.D. Degree from University College of Engineering, Osmania University, Hyderabad. 276 pp. Englisch.



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