An Experimental Study of the Electrical Contact Resistance in Resistance Welding - DTU Orbit (18/11/2019)

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Electrical contact resistance is of critical importance in resistance welding. In this article, the contact resistance is experimentally investigated for welding mild steel, stainless steel, and aluminum to themselves. A parametric study was carried out on a Gleeble® machine, investigating the influence on the contact resistance of interface normal pressure, temperature, and base metal.

**General information**

Publication status: Published  
Organisations: Department of Management Engineering  
Contributors: Song, Q., Zhang, W., Bay, N.  
Pages: 73-76  
Publication date: 2005  
Peer-reviewed: Yes

**Publication information**

Journal: Welding Journal  
Volume: 84  
ISSN (Print): 0043-2296  
Ratings:  
Scopus rating (2005): SJR 0.56 SNIP 1.883  
Web of Science (2005): Indexed yes  
Original language: English  
URLs:  
http://www.ipl.dtu.dk/publikation/8639/dk/  
Source: orbit  
Source ID: 187418  
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review