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## TOOL FORCES DEVELOPED DURING FRICTION STIR WELDING



Tool Forces Developed During Friction Stir Welding

NASA Technical Reports Server (NTRS), et al., M. Melendez BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 38 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.This paper will describe a technique for measuring the various forces and the torque that exist on the Friction Stir Welding pin tool. Results for various plunge depths, weld speeds, rotational speed, and tool configurations will be presented. Welds made on 6061 aluminum with typical welding conditions require a downward force of 2800 lbs. (12. 5 kN) a longitudinal force in...

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