

Accepted Manuscript

Static and dynamic testing and modelling of aluminium joints with flow-drill screw connections

Johan Kolstø Sønstabø, David Morin, Magnus Langseth

PII: S0734-743X(17)30952-1
DOI: [10.1016/j.ijimpeng.2018.01.008](https://doi.org/10.1016/j.ijimpeng.2018.01.008)
Reference: IE 3059



To appear in: *International Journal of Impact Engineering*

Received date: 3 November 2017
Revised date: 9 January 2018
Accepted date: 11 January 2018

Please cite this article as: Johan Kolstø Sønstabø, David Morin, Magnus Langseth, Static and dynamic testing and modelling of aluminium joints with flow-drill screw connections, *International Journal of Impact Engineering* (2018), doi: [10.1016/j.ijimpeng.2018.01.008](https://doi.org/10.1016/j.ijimpeng.2018.01.008)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A test for static and dynamic testing of flow-drill screw connections is presented
- No global inertia or strain-rate effects were evident
- Large-scale simulations were carried out for the static and dynamic tests
- An improvement on the employed connection model is presented
- The test was suitable for validation of numerical models

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7172954>

Download Persian Version:

<https://daneshyari.com/article/7172954>

[Daneshyari.com](https://daneshyari.com)