

Accepted Manuscript

Aluminum alloy foam-filled aluminum tube fabricated by friction stir back extrusion and its compression properties

Yoshihiko Hangai, Shunsuke Otazawa, Takao Utsunomiya

PII: S0263-8223(17)30296-9

DOI: <http://dx.doi.org/10.1016/j.compstruct.2017.04.048>

Reference: COST 8479

To appear in: *Composite Structures*

Received Date: 27 January 2017

Accepted Date: 19 April 2017



Please cite this article as: Hangai, Y., Otazawa, S., Utsunomiya, T., Aluminum alloy foam-filled aluminum tube fabricated by friction stir back extrusion and its compression properties, *Composite Structures* (2017), doi: <http://dx.doi.org/10.1016/j.compstruct.2017.04.048>

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.

**Aluminum alloy foam-filled aluminum tube fabricated by friction stir back
extrusion and its compression properties**

Yoshihiko Hangai^{a,*}, Shunsuke Otazawa^a, Takao Utsunomiya^b

^a Graduate School of Science and Technology, Gunma University, Kiryu 376-8515,
Japan

^b Department of Mechanical Engineering, Shibaura Institute of Technology, Tokyo
135-8548, Japan

* Corresponding author.

E-mail: hanhan@gunma-u.ac.jp, Tel: +81-277-30-1554

Download English Version:

<https://daneshyari.com/en/article/6705080>

Download Persian Version:

<https://daneshyari.com/article/6705080>

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