



## City Research Online

### City, University of London Institutional Repository

---

**Citation:** Read, M. G., Stosic, N. & Smith, I. K. (2020). The influence of rotor geometry on power transfer between rotors in gerotor-type screw compressors. *Journal of Mechanical Design*, 142(7), pp. 1-11. doi: 10.1115/1.4045508

This is the accepted version of the paper.

This version of the publication may differ from the final published version.

---

**Permanent repository link:** <https://openaccess.city.ac.uk/id/eprint/23254/>

**Link to published version:** <https://doi.org/10.1115/1.4045508>

**Copyright:** City Research Online aims to make research outputs of City, University of London available to a wider audience. Copyright and Moral Rights remain with the author(s) and/or copyright holders. URLs from City Research Online may be freely distributed and linked to.

**Reuse:** Copies of full items can be used for personal research or study, educational, or not-for-profit purposes without prior permission or charge. Provided that the authors, title and full bibliographic details are credited, a hyperlink and/or URL is given for the original metadata page and the content is not changed in any way.

---

---

---

City Research Online:

<http://openaccess.city.ac.uk/>

[publications@city.ac.uk](mailto:publications@city.ac.uk)

---



ASME Accepted Manuscript Repository

Institutional Repository Cover Sheet

First

Last

ASME Paper Title: The influence of rotor geometry on power transfer between rotors in gerotor-type screw

compressors

Authors: Read, M. G., Stosic, N & Smith, I.K.

ASME Journal Title: Journal of Mechanical Design

Volume/Issue \_\_\_\_\_

Date of Publication (VOR\* Online) \_\_\_\_\_

<https://asmedigitalcollection.asme.org/mechanicaldesign/article-abstract/doi/10.1115/1.4045508/1069008/The-influence-of-rotor-geometry-on-power-transfer?redirectedFrom=fulltext>

ASME Digital Collection URL: [transfer?redirectedFrom=fulltext](https://asmedigitalcollection.asme.org/mechanicaldesign/article-abstract/doi/10.1115/1.4045508/1069008/The-influence-of-rotor-geometry-on-power-transfer?redirectedFrom=fulltext)

DOI: [10.1115/1.4045508](https://doi.org/10.1115/1.4045508)

\*VOR (version of record)