

# Accepted Manuscript

Robust Knockdown Factors for the Design of Spherical Shells under External Pressure: Development and Validation

H.N.R. Wagner , C. Hühne , S. Niemann

PII: S0020-7403(18)30096-1  
DOI: [10.1016/j.ijmecsci.2018.03.029](https://doi.org/10.1016/j.ijmecsci.2018.03.029)  
Reference: MS 4239



To appear in: *International Journal of Mechanical Sciences*

Received date: 10 January 2018  
Revised date: 21 March 2018  
Accepted date: 23 March 2018

Please cite this article as: H.N.R. Wagner , C. Hühne , S. Niemann , Robust Knockdown Factors for the Design of Spherical Shells under External Pressure: Development and Validation, *International Journal of Mechanical Sciences* (2018), doi: [10.1016/j.ijmecsci.2018.03.029](https://doi.org/10.1016/j.ijmecsci.2018.03.029)

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

- New and simple design criterion for spherical shells under external pressure
- Detailed studies regarding elastic-imperfect and plastic-imperfect buckling
- Collection of about 600 experimental results
- Imperfection sensitivity of orthogrid stiffened sphere assessed

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7173720>

Download Persian Version:

<https://daneshyari.com/article/7173720>

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