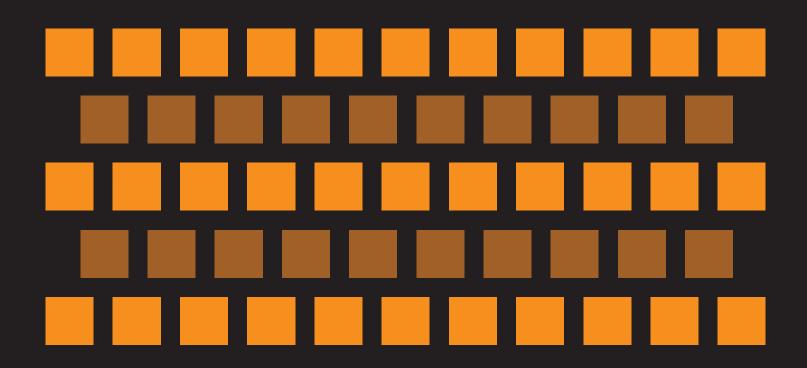
CORRECT AND EXTEND ALLOWABLE STRESS VALUES FOR 304 AND 316 STAINLESS STEEL



ASME STANDARDS TECHNOLOGY, LLC

STP-NU-063

CORRECT AND EXTEND ALLOWABLE STRESS VALUES FOR 304 AND 316 STAINLESS STEEL

Prepared by:

Mainak Sengupta James E. Nestell

MPR Associates, Inc.

ASME STANDARDS TECHNOLOGY, LLC Date of Issuance: June 28, 2013

This report was prepared as an account of work sponsored by the U.S. Department of Energy (DOE) through the ASME Standards Technology, LLC (ASME ST-LLC).

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process or service by trade name, trademark, manufacturer or otherwise does not necessarily constitute or imply its endorsement, recommendation or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Neither ASME, ASME ST-LLC, the authors, nor others involved in the preparation or review of this report, nor any of their respective employees, members or persons acting on their behalf, make any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe upon privately owned rights.

Reference herein to any specific commercial product, process or service by trade name, trademark, manufacturer or otherwise does not necessarily constitute or imply its endorsement, recommendation or favoring by ASME ST-LLC or others involved in the preparation or review of this report, or any agency thereof. The views and opinions of the authors, contributors and reviewers of the report expressed herein do not necessarily reflect those of ASME ST-LLC or others involved in the preparation or review of this report, or any agency thereof.

ASME ST-LLC does not take any position with respect to the validity of any patent rights asserted in connection with any items mentioned in this document, and does not undertake to insure anyone utilizing a publication against liability for infringement of any applicable Letters Patent, nor assumes any such liability. Users of a publication are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, is entirely their own responsibility.

Participation by federal agency representative(s) or person(s) affiliated with industry is not to be interpreted as government or industry endorsement of this publication.

ASME is the registered trademark of the American Society of Mechanical Engineers.

No part of this document may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

ASME Standards Technology, LLC Two Park Avenue, New York, NY 10016-5990 ISBN No. 978-0-7918-6906-2

> Copyright © 2013 by ASME Standards Technology, LLC All Rights Reserved