

NEWS RELEASE

Contact:

Donald J. Farley

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‘ELECTRONIC’ *PRODUCT DESIGN GUIDE FOR FORGING* NOW AVAILABLE ON FORGING INDUSTRY ASSOCIATION’S WEB SITE

Reference manual is user friendly, highly searchable, open to all

CLEVELAND, OHIO -- Forging Industry Association’s (FIA) *Product Design Guide for Forging* is now available on their web site at www.forging.org under “Design Center” on the blue navigation bar. Access is open to all design engineers, buyers or anyone interested in forging or designing with forgings. The electronic posting is in HTML format and comes complete with a detailed Table of Contents allowing the user to quickly access categories of information without having to scroll through unwanted chapters. A search engine which serves as an electronic index allows even the most specific information to be located quickly and easily.

This single source set of guidelines and technical information on designing products to be forged covers many materials, from standard carbon and low alloy steels to high temperature alloys used in aerospace applications. As a bonus, the appendices include the forging industry’s published guidelines for tolerances for custom hammer/press/upsetter, aluminum precision and rolled ring forgings.

Some of the other topics covered include:

- Establishing design parameters and material choices
- Cost drivers
- Manufacturing process comparisons and trade-offs
- Designing forgings for performance
- Forged shapes and forms
- Characteristics of forging alloys
- Types of forging processes
- Design of cold and warm forgings
- Post-processing
- Guidelines for specifying forgings

Also included is a glossary of forging terms, and several case histories showing how forgings have been used in various design situations.

For those that still prefer the printed word, the 240-page *Product Design Guide for Forging Handbook* is available. See the web site or contact FIA directly for details.

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Forging Industry Association is comprised of some 140 North American producers of forged metal components, accounting for almost 60% of the custom forging volume produced annually. Forged metal parts are pressed, pounded or rolled into countless configurations, and used for critical applications in the aerospace, automotive, construction, materials handling, ordnance, hand tool, agricultural and industrial equipment industries -- to name a few! About 75 firms supplying equipment, materials or technical services to the forging industry are also members of FIA. The Association, with its predecessor organizations, has served the metal forging industry since 1913.