ASME Y14.8-2022
[Revision of ASME Y14.8-2009 (R2014)]

Castings, Forgings, and Molded Parts

Engineering Product Definition and Related Documentation Practices

AN AMERICAN NATIONAL STANDARD

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Date of Issuance: May 20, 2022

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FOREWORD

This is a revision of ASME Y14.8-2009 (R2014), Castings, Forgings, and Molded Parts. Based on guidance from the ASME Y14 Committee, the material formerly in Section 1 has been reorganized into Sections 1 through 3, and the subsequent Sections have been renumbered. The scope of the Standard has expanded to include full feature concepts as a result of draft. Changes to both the text and figures have been made to better illustrate drafting practices pertaining to drawings of cast, forged, and molded parts.

Figures for plus draft, minus draft, and draft included have been improved. A new symbol for full feature has been created, and figures have been added to show application of the full feature symbol. Customized datum references are shown to demonstrate control of specific degrees of freedom due to process variations, such as mismatch and die closure. The effect of applying profile of a surface with datum references to surfaces containing datum targets is continued for the increased use of form tolerancing in model-based computer-aided design (CAD) systems. Text and figures have been revised to reflect these changes.

The successful revision of this Standard is attributed to the commitment of the committee members and the support of their sponsoring companies. Their time commitment and their contributed expertise are gratefully acknowledged. Don E. Day, former chair of the ASME Y14.8 Subcommittee, is acknowledged for his tireless leadership, commitment, and knowledge, which have made this revision possible.

This Standard was approved by the American National Standards Institute as an American National Standard on March 17, 2022.

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Engineering Product Definition and Related Documentation Practices

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