

AutoCAD and Its Applications **Advanced**

Reference Material

Standards and Related Documents

The following is a list of ANSI/ASME drafting standards or related documents. They are ANSI/ASME-adopted, unless another standard developing organization, such as ANSI/NFPA, is indicated. For more information or to order standards, go to the ASME website at www.asme.org.

Note: Some of these standards are under review, or may be under review in the future. Information in this reference material is subject to change. Some standards may be out of print.

Abbreviations

Y14.38-2007, *Abbreviations and Acronyms for Use on Drawings and Related Documents*

Dimensions

B4.1-1967, *Preferred Limits and Fits for Cylindrical Parts*

B4.2-1978, *Preferred Metric Limits and Fits*

B4.3-1978, *General Tolerances for Metric Dimensioned Products*

B32.100-2016, *Preferred Metric Sizes for Flat, Round, Square, Rectangular, and Hexagonal Metal Products*

B36.10M-2015, *Welded and Seamless Wrought Steel Pipe*

B36.19M-2004, *Stainless Steel Pipe*

Drafting Standards

Y14.1-2012, *Decimal Inch Drawing Sheet Size and Format*

Y14.1M-2012, *Metric Drawing Sheet Size and Format*

Y14.2-2014, *Line Conventions and Lettering*

Y14.3-2012, *Orthographic and Pictorial Views*

Y14.5-2009, *Dimensioning and Tolerancing*

Y14.5.1M-1994, *Mathematical Definition of Dimensioning and Tolerancing Principles*

Y14.5.2-2017, *Certification of Geometric Dimensioning and Tolerancing Professionals*

Y14.6-2001, *Screw Thread Representation*

Y14.7.1-1971, *Gear Drawing Standards—Part 1: For Spur, Helical, Double Helical, and Rack*

Y14.7.2-1978, *Gear and Spline Drawing Standards—Part 2: Bevel and Hypoid Gears*
Y14.8-2009, *Castings, Forgings, and Molded Parts*
Y14.13M-1981, *Mechanical Spring Representation*
Y14.18M-1986, *Optical Parts*
Y14.24-2012, *Types and Applications of Engineering Drawings*
Y14.32.1M-1994, *Chassis Frames—Passenger Car and Light Truck—Ground Vehicle Practices*
Y14.34-2013, *Associated Lists*
Y14.35-2014, *Revision of Engineering Drawings and Associated Documents*
Y14.36M-1996, *Surface Texture Symbols*
Y14.41-2012, *Digital Product Definition Data Practices*
Y14.100-2017, *Engineering Drawing Practices*

Graphic Symbols

Y32.4-1977, *Graphic Symbols for Plumbing Fixtures for Diagrams Used in Architecture and Building Construction*
Y32.7-1972, *Graphic Symbols for Railroad Maps and Profiles*
Y32.18-1972, *Symbols for Mechanical and Acoustical Elements as Used in Schematic Diagrams*