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Asme 14. 5 standards pdf

Asme 14.5 standards pdf. Asme steel standards. What is asme 14.5. What are asme standards.

Important changes include: concept of feature of size; datum references and degrees of freedom; composite position tolerances; surface boundaries and axis methods of interpretation; profile tolerances; and symbology and modifiers tools.

TABLE 1 MATERIAL SPECIFICATION LIST
Applicable ASME Specifications

Group No.	Material	Forgings		Castings		Product Form		Bars	Tubular
		Spec. No.	Grade	Spec. No.	Grade	Spec. No.	Grade		
1.1	C	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-8	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-10	A 308	LF2	A 276	WCR	A 315	30	A 675	30
1.2	C-18Ni-10Ti	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-10Ti-11N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-10Ti-11N-0.02N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
1.3	C-18Ni-12	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
1.4	C-18Ni-12Ti-11N-0.02N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
1.5	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P	A 308	LF2	A 276	WCR	A 315	30	A 675	30

TABLE 1 MATERIAL SPECIFICATION LIST (CONT'D)
Applicable ASME Specifications

Group No.	Material	Forgings		Castings		Product Form		Bars	Tubular
		Spec. No.	Grade	Spec. No.	Grade	Spec. No.	Grade		
1.6	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P-0.0001N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P-0.0001N-0.0001S	A 308	LF2	A 276	WCR	A 315	30	A 675	30
1.7	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P-0.0001N-0.0001S-0.0001C	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P-0.0001N-0.0001S-0.0001C-0.0001N	A 308	LF2	A 276	WCR	A 315	30	A 675	30
	C-18Ni-12Ti-11N-0.02N-0.005C-0.001N-0.0005S-0.0001P-0.0001N-0.0001S-0.0001C-0.0001N-0.0001S	A 308	LF2	A 276	WCR	A 315	30	A 675	30

Additionally, the subject matter has been restructured for better readability, with profile, orientation, and form now in separate sections, and material within sections reorganized.



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ASME Y14.5-2009
[Revision of ASME Y14.5M-1994 (R2004)]

Dimensioning and Tolerancing

Engineering Drawing and Related Documentation Practices

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The Standards Committee that approved the code or standard was balanced to assure that individuals from competent and concerned interests have had an opportunity to participate.

Revisions of Engineering Drawings and Associated Lists

Size and Format of Engineering Drawings

Application Data

Preparation of Duplicate Original

Line Conventions and Lettering

Single, Multiple, and Sectional View Drawings

Isometric and Pictorial Views

Projection Systems

Dimensioning and Tolerancing

Surface Texture

Screw Thread Representation

Gears

Mechanical Springs

Optical Elements and Optical Systems

Castings, Forgings, and Molded Parts

Composite Parts

Graphic Symbols, Designations, Letter Symbols, and Abbreviations

Logic Circuit Diagrams

Printed Boards

Digital Data

Scale

Marking for Item Identification

Optional/Alternative Designs

Drawing Notes

Drawing Verification and Approval

Dating Drawings

Digital Approval Systems

Reference Identifiers

In-House Peculiar Information

Use of Specifications and Standards

Metric Practices

12 12 13 13 13 13 13 13 13 13 13 13 13 14 14 14 14 14 14 15 15 15 16 16 17 17 19 19 19 19 Section 5 Drawing Titles

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Committee Roster

Correspondence With Y14 Committee

Summary of Changes

5.1 5.2 Nonmandatory Appendix C — Drawing Titles

General Rules

20 20 Section 6 6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 6.10 6.11 6.12 Numbering, Coding, and Identification

Nonmandatory Appendix D — Numbering, Coding, and Identification

Drawing Numbers

Special Characters

