

CODE CASES

2023

ASME Boiler and
Pressure Vessel Code
An International Code

**Boilers and
Pressure Vessels**

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AN INTERNATIONAL CODE

2023 ASME Boiler & Pressure Vessel Code

2023 Edition

July 1, 2023

CODE CASES

Boilers and Pressure Vessels



The American Society of
Mechanical Engineers

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TABLE OF CONTENTS

List of Sections	iv
Correspondence With the Committee	v
Summary of Changes	vii
Cross-Referencing in the ASME BPVC	ix
Notes to Numeric Index	x
Numeric Index	xi
Subject Index	xxi
Index of Material Specifications Referred to in Cases	xxxii

(23)

LIST OF SECTIONS

SECTIONS

- I Rules for Construction of Power Boilers

- II Materials
 - Part A — Ferrous Material Specifications
 - Part B — Nonferrous Material Specifications
 - Part C — Specifications for Welding Rods, Electrodes, and Filler Metals
 - Part D — Properties (Customary)
 - Part D — Properties (Metric)

- III Rules for Construction of Nuclear Facility Components
 - Subsection NCA — General Requirements for Division 1 and Division 2
 - Appendices
 - Division 1
 - Subsection NB — Class 1 Components
 - Subsection NCD — Class 2 and Class 3 Components
 - Subsection NE — Class MC Components
 - Subsection NF — Supports
 - Subsection NG — Core Support Structures
 - Division 2 — Code for Concrete Containments
 - Division 3 — Containment Systems for Transportation and Storage of Spent Nuclear Fuel and High-Level Radioactive Material
 - Division 4 — Fusion Energy Devices
 - Division 5 — High Temperature Reactors

- IV Rules for Construction of Heating Boilers

- V Nondestructive Examination

- VI Recommended Rules for the Care and Operation of Heating Boilers

- VII Recommended Guidelines for the Care of Power Boilers

- VIII Rules for Construction of Pressure Vessels
 - Division 1
 - Division 2 — Alternative Rules
 - Division 3 — Alternative Rules for Construction of High Pressure Vessels

- IX Welding, Brazing, and Fusing Qualifications

- X Fiber-Reinforced Plastic Pressure Vessels

- XI Rules for Inservice Inspection of Nuclear Reactor Facility Components
 - Division 1 — Rules for Inspection and Testing of Components of Light-Water-Cooled Plants
 - Division 2 — Requirements for Reliability and Integrity Management (RIM) Programs for Nuclear Reactor Facilities

- XII Rules for Construction and Continued Service of Transport Tanks

- XIII Rules for Overpressure Protection

CORRESPONDENCE WITH THE COMMITTEE

(23)

General

ASME codes and standards are developed and maintained by committees with the intent to represent the consensus of concerned interests. Users of ASME codes and standards may correspond with the committees to propose revisions or cases, report errata, or request interpretations. Correspondence for this Section of the ASME Boiler and Pressure Vessel Code (BPVC) should be sent to the staff secretary noted on the Section's committee web page, accessible at <https://go.asme.org/CSCcommittees>.

NOTE: See ASME BPVC Section II, Part D for guidelines on requesting approval of new materials. See Section II, Part C for guidelines on requesting approval of new welding and brazing materials ("consumables").

Revisions and Errata

The committee processes revisions to this Code on a continuous basis to incorporate changes that appear necessary or desirable as demonstrated by the experience gained from the application of the Code. Approved revisions will be published in the next edition of the Code.

In addition, the committee may post errata and Special Notices at <http://go.asme.org/BPVCerrata>. Errata and Special Notices become effective on the date posted. Users can register on the committee web page to receive e-mail notifications of posted errata and Special Notices.

This Code is always open for comment, and the committee welcomes proposals for revisions. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent background information and supporting documentation.

Cases

- (a) The most common applications for cases are
- (1) to permit early implementation of a revision based on an urgent need
 - (2) to provide alternative requirements
 - (3) to allow users to gain experience with alternative or potential additional requirements prior to incorporation directly into the Code
 - (4) to permit use of a new material or process
- (b) Users are cautioned that not all jurisdictions or owners automatically accept cases. Cases are not to be considered as approving, recommending, certifying, or endorsing any proprietary or specific design, or as limiting in any way the freedom of manufacturers, constructors, or owners to choose any method of design or any form of construction that conforms to the Code.
- (c) The committee will consider proposed cases concerning the following topics only:
- (1) equipment to be marked with the ASME Single Certification Mark, or
 - (2) equipment to be constructed as a repair/replacement activity under the requirements of Section XI
- (d) A proposed case shall be written as a question and reply in the same format as existing cases. The proposal shall also include the following information:
- (1) a statement of need and background information
 - (2) the urgency of the case (e.g., the case concerns a project that is underway or imminent)
 - (3) the Code Section and the paragraph, figure, or table number(s) to which the proposed case applies
 - (4) the edition(s) of the Code to which the proposed case applies
- (e) A case is effective for use when the public review process has been completed and it is approved by the cognizant supervisory board. Cases that have been approved will appear in the next edition or supplement of the Code Cases books, "Boilers and Pressure Vessels" or "Nuclear Components." Each Code Cases book is updated with seven Supplements. Supplements will be sent or made available automatically to the purchasers of the Code Cases books until the next edition of the Code. Annulments of Code Cases become effective six months after the first announcement of the

annulment in a Code Case Supplement or Edition of the appropriate Code Case book. The status of any case is available at <http://go.asme.org/BPVCCDatabase>. An index of the complete list of Boiler and Pressure Vessel Code Cases and Nuclear Code Cases is available at <http://go.asme.org/BPVCC>.

Interpretations

(a) Interpretations clarify existing Code requirements and are written as a question and reply. Interpretations do not introduce new requirements. If a revision to resolve conflicting or incorrect wording is required to support the interpretation, the committee will issue an intent interpretation in parallel with a revision to the Code.

(b) Upon request, the committee will render an interpretation of any requirement of the Code. An interpretation can be rendered only in response to a request submitted through the online Interpretation Submittal Form at <http://go.asme.org/InterpretationRequest>. Upon submitting the form, the inquirer will receive an automatic e-mail confirming receipt.

(c) ASME does not act as a consultant for specific engineering problems or for the general application or understanding of the Code requirements. If, based on the information submitted, it is the opinion of the committee that the inquirer should seek assistance, the request will be returned with the recommendation that such assistance be obtained. Inquirers may track the status of their requests at <http://go.asme.org/Interpretations>.

(d) ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME committee or subcommittee. ASME does not “approve,” “certify,” “rate,” or “endorse” any item, construction, proprietary device, or activity.

(e) Interpretations are published in the ASME Interpretations Database at <http://go.asme.org/Interpretations> as they are issued.

Committee Meetings

The ASME BPVC committees regularly hold meetings that are open to the public. Persons wishing to attend any meeting should contact the secretary of the applicable committee. Information on future committee meetings can be found at <http://go.asme.org/BCW>.

SUMMARY OF CHANGES

The 2023 Edition of the Code Cases includes Code Case actions published through Supplement 7 to the 2021 Edition.

Changes listed below are identified on the pages by a margin note, **(23)**, placed next to the affected area. Errata, if any, are identified by a margin note, **(E)**, placed next to the affected area.

<i>Page</i>	<i>Location</i>	<i>Change</i>
iv	List of Sections	(1) Under Section III, Division 4 added (2) Title of Section XI and subtitle of Section XI, Division 2 revised (3) Information on interpretations and Code cases moved to “Correspondence With the Committee”
v	Correspondence With the Committee	Added
ix	Cross-Referencing in the ASME BPVC	Updated
x	Notes to Numeric Index	Updated
xi	Numeric Index	Updated
xxi	Subject Index	Updated
xxxii	Index of Material Specifications Referred to in Cases	Updated
1 (2179-11)	2179-11	Revised
1 (2203-2)	2203-2	Revised
1 (2256)	2256	Annulled
1 (2403)	2403	Impending annulment
1 (2540-1)	2540-1	Revised
1 (2546)	2546	Annulled
1 (2570)	2570	Annulled
1 (2571-1)	2571-1	Impending annulment
1 (2586-1)	2586-1	Impending annulment
1 (2591-1)	2591-1	Revised and impending annulment
1 (2633)	2633	Impending annulment
1 (2656)	2656	Annulled
1 (2657)	2657	Annulled
1 (2710-1)	2710-1	Annulled
1 (2763-2)	2763-2	Revised
1 (2764-1)	2764-1	Annulled
1 (2765-1)	2765-1	Revised
1 (2768)	2768	Impending annulment

<i>Page</i>	<i>Location</i>	<i>Change</i>
1 (2769-1)	2769-1	Annulled
1 (2788)	2788	Impending annulment
1 (2801-1)	2801-1	Revised
1 (2802-1)	2802-1	Revised
1 (2850)	2850	Impending annulment
1 (2858)	2858	Annulled
1 (2885)	2885	Annulled
1 (2923)	2923	Impending annulment
1 (2962)	2962	Impending annulment
1 (3005)	3005	Impending annulment
1 (3013)	3013	Annulled
1 (3015)	3015	Annulled
1 (3061)	3061	Added
1 (3062)	3062	Added
1 (3063)	3063	Added
1 (3064)	3064	Added
1 (3065)	3065	Added
1 (3066)	3066	Added
1 (3067)	3067	Added
1 (3068)	3068	Added
1 (3069)	3069	Added
1 (3070)	3070	Added

CROSS-REFERENCING IN THE ASME BPVC

(23)

Paragraphs within the ASME BPVC may include subparagraph breakdowns, i.e., nested lists. The following is a guide to the designation and cross-referencing of subparagraph breakdowns:

(a) Hierarchy of Subparagraph Breakdowns

- (1) First-level breakdowns are designated as (a), (b), (c), etc.
- (2) Second-level breakdowns are designated as (1), (2), (3), etc.
- (3) Third-level breakdowns are designated as (-a), (-b), (-c), etc.
- (4) Fourth-level breakdowns are designated as (-1), (-2), (-3), etc.
- (5) Fifth-level breakdowns are designated as (+a), (+b), (+c), etc.
- (6) Sixth-level breakdowns are designated as (+1), (+2), etc.

(b) Cross-References to Subparagraph Breakdowns. Cross-references within an alphanumerically designated paragraph (e.g., PG-1, UIG-56.1, NCD-3223) do not include the alphanumeric designator of that paragraph. The cross-references to subparagraph breakdowns follow the hierarchy of the designators under which the breakdown appears. The following examples show the format:

- (1) If X.1(c)(1)(-a) is referenced in X.1(c)(1), it will be referenced as (-a).
- (2) If X.1(c)(1)(-a) is referenced in X.1(c)(2), it will be referenced as (1)(-a).
- (3) If X.1(c)(1)(-a) is referenced in X.1(e)(1), it will be referenced as (c)(1)(-a).
- (4) If X.1(c)(1)(-a) is referenced in X.2(c)(2), it will be referenced as X.1(c)(1)(-a).

NOTES TO NUMERIC INDEX

- All Code Cases remain available for use until annulled by the ASME Boiler and Pressure Vessel Standards Committees. Code Cases will be reviewed routinely for possible incorporation into the body of the ASME Boiler and Pressure Vessel Code.
- Supplement 7 is the last supplement published for the 2021 edition. Supplement 8 is incorporated into the 2023 edition.
- Cases may be used beginning with the date of approval shown on the Case.
- Annulled Cases will remain in the Numeric Index and Subject Index until the next Edition, at which time they will be deleted.
- Newly revised cases supersede previous versions. Previous code case number will be added in the "Annulled Date/Supersedes" column next to the newly revised code case.
- The digit following a Case Number is used to indicate the number of times a Case has been revised.
- The Cases are arranged in numerical order, and each page of a Case is identified at the top with the appropriate Case Number.

Legend of Abbreviations

Supp. = Supplement

R = Reinstated

NUMERIC INDEX

(23)

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
1325-18	6-23-2005	...	...	...
1750-31	9-30-2021	...	...	...
1827-3	12-30-2006	...	...	...
1849-1	8-4-2004	...	...	...
1855-2	12-18-2018	...	...	...
1876-5	4-26-2013	...	...	...
1924-2	12-30-2006	...	...	...
1932-5	8-4-2006	...	...	...
1934	5-25-1983	...	...	...
1935-4	9-23-2007	...	...	...
1936-3	2-20-2002	...	...	...
1949-4	2-20-2004	...	...	...
1968-1	12-2-1990	...	...	...
1993-7	10-26-2016	...	...	...
2016-1	8-12-1996	...	...	...
2038-5	2-7-2000	...	...	...
2055-2	5-4-1999	...	...	...
2063-6	10-2-2008	...	...	...
2073-1	10-29-1999	...	...	...
2093	6-19-1990	...	...	...
2120-1	10-29-1999	...	...	...
2127-3	9-18-2006	...	...	...
2142-6	8-1-2018	...	...	...
2143-2	4-1-2014	...	...	...
2146	11-25-1992	...	...	...
2150	8-12-1993	...	...	...
2151-3	9-30-2018	...	...	...
2172	8-8-1994	...	...	...
2179-11	11-4-2022	...	...	2179-10
2180-8	8-8-2022	...	...	...
2192-10	12-10-2020	...	...	...
2195-1	2-7-2000	...	...	...
2196-5	4-2-2020	...	...	...
2197-1	2-17-2000	...	...	...
2199-9	4-6-2022	...	...	...
2203-2	12-7-2022	...	...	2203-1
2205	6-5-1995	...	...	...
2217-5	6-17-2003	...	...	...
2222-2	10-29-1999	...	...	...
2223-3	6-20-2002	...	...	...
2224-2	9-18-2006	...	...	...
2226-2	5-21-2003	...	...	...
2230-2	10-29-1999	...	...	...
2239-1	10-29-1999	...	...	...
2244-2	1-20-2000	...	...	...
2247	7-9-1998	...	...	...
2249	8-11-1997	...	...	...
2254-1	4-2-2020	...	...	...
2256	8-11-1997	...	...	6-21-2023
2260-3	12-2-2019	...	...	...
2276-1	2-17-2000	...	...	...
2286-6	10-30-2015	...	...	...
2297	11-30-1999	...	...	...
2300	9-23-1999	...	...	...

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2304-2	5-12-2004	...	...	...
2305-1	12-14-2009	...	...	...
2318	9-23-1999	...	...	...
2321-1	2-20-2002	...	...	...
2324-1	3-21-2012	...	...	...
2327-3	8-8-2022	...	...	...
2334	7-10-2000	...	...	...
2346-1	2-14-2003	...	...	...
2350	2-26-2001	...	...	...
2351-1	R11-30-2017	...	...	...
2353-1	10-18-2004	...	...	...
2357-2	12-30-2006	...	...	...
2359-2	6-23-2005	...	...	...
2377	1-27-2003	...	...	...
2385-1	5-4-2004	...	...	...
2397-2	8-30-2022	...	...	...
2400	2-14-2003	...	...	...
2402-1	9-25-2012	...	...	...
2403	2-13-2003	...	10-1-2025	...
2407	2-13-2003	...	...	...
2411	6-23-2005	...	...	...
2416	2-13-2003	...	...	...
2418-2	6-23-2014	...	...	...
2419	5-21-2003	...	...	...
2421	5-21-2003	...	...	...
2426	1-27-2003	...	...	...
2427	5-21-2003	...	...	...
2428-4	4-17-2020	...	...	...
2430	1-12-2005	...	...	...
2432-1	6-20-2008	...	...	...
2439	2-14-2003	...	...	...
2440	2-20-2004	...	...	...
2445-2	6-25-2010	...	...	...
2446	11-29-2004	...	...	...
2458-3	1-22-2007	...	...	...
2461-2	9-12-2017	...	...	...
2463-1	9-8-2010	...	...	...
2468-3	3-13-2020	...	...	...
2469-1	10-21-2009	...	...	...
2473-2	12-18-2018	...	...	...
2475	11-29-2004	...	...	...
2478-1	R3-13-2019	...	...	...
2481-1	11-17-2016	...	...	...
2489	2-22-2005	...	...	...
2493-1	9-12-2017	...	...	...
2494-2	3-28-2017	...	...	...
2496-4	9-30-2018	...	...	...
2498	6-20-2008	...	...	...
2500	11-2-2004	...	...	...
2511	8-3-2005	...	...	...
2512	10-27-2005	...	...	...
2514-1	7-7-2006	...	...	...
2516	8-3-2005	...	...	...
2518-2	12-8-2014	...	...	...
2520	8-4-2006	...	...	...
2523-2	8-30-2018	...	...	...
2527	4-26-2007	...	...	...
2529	10-27-2005	...	...	...
2537	10-27-2005	...	...	...
2538	1-19-2006	...	...	...
2540-1	11-4-2022	...	...	2540

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2544-2	1-26-2009	...	...	...
2546	1-19-2006	...	...	12-30-2022
2554	1-3-2006	...	...	...
2556-2	9-15-2009	...	...	...
2563	12-30-2006	...	...	...
2565	12-30-2006	...	...	...
2568-1	12-21-2016	...	...	...
2570	4-2-2007	...	...	6-21-2023
2571-1	1-26-2009	...	...	...
2576	12-30-2006	...	...	...
2577	10-2-2008	...	...	...
2581	4-26-2007	...	...	...
2585-1	9-15-2009	...	...	...
2586-1	10-2-2008	...	1-1-2024	...
2587	8-6-2007	...	...	...
2588	10-19-2007	...	...	...
2591-1	12-7-2022	...	1-1-2024	2591
2594-2	9-30-2018	...	...	...
2595	1-4-2008	...	...	...
2596-1	4-6-2011	...	...	...
2597	5-21-2008	...	...	...
2598	1-29-2008	...	...	...
2603-2	4-15-2017	...	...	...
2604	10-2-2008	...	...	...
2605-4	7-24-2019	...	...	...
2606	1-26-2009	...	...	...
2607	1-26-2009	...	...	...
2608	1-26-2009	...	...	...
2609	1-26-2009	...	...	...
2610	1-26-2009	...	...	...
2611	1-26-2009	...	...	...
2613	1-30-2009	...	...	...
2616-1	9-23-2013	...	...	...
2617	5-9-2009	...	...	...
2618	7-5-2009	...	...	...
2619	6-24-2009	...	...	...
2620-3	10-6-2019	...	...	...
2624-1	12-2-2019	...	...	...
2627	9-30-2009	...	...	...
2628	9-30-2009	...	...	...
2629	1-13-2010	...	...	...
2630	1-13-2010	...	...	...
2631	12-14-2009	...	...	...
2632	10-21-2009	...	...	...
2633	12-14-2009	...	1-1-2024	...
2634	12-14-2009	...	...	...
2636	1-13-2010	...	...	...
2639	1-20-2010	...	...	...
2640-1	1-20-2011	...	...	...
2641	12-14-2009	...	...	...
2643-1	10-6-2019	...	...	...
2645	3-10-2010	...	...	...
2649	7-2-2010	...	...	...
2652-1	6-23-2014	...	...	...
2653-1	3-5-2018	...	...	...
2655	9-8-2010	...	...	...
2656	8-24-2010	...	...	12-30-2022
2657	7-28-2010	...	...	12-30-2022
2658	9-8-2010	...	...	...
2659	9-8-2010	...	...	...
2660	9-8-2010	...	...	...

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2661-2	4-23-2019	...	...	...
2663	12-7-2010	...	...	...
2665-1	7-13-2011	...	...	...
2666	1-12-2011	...	...	...
2668-1	1-31-2017	...	...	...
2671-2	12-18-2018	...	...	...
2672	6-16-2011	...	...	...
2673	6-16-2011	...	...	...
2674-1	9-30-2018	...	...	...
2675-1	8-30-2022	...	...	...
2676	6-16-2011	...	...	...
2677	4-6-2011	...	...	...
2678-1	9-26-2011	...	...	...
2679	6-16-2011	...	...	...
2680	6-16-2011	...	...	...
2681-1	9-30-2018	...	...	...
2682	7-13-2011	...	...	...
2683	7-13-2011	...	...	...
2684-5	8-1-2018	...	...	...
2686	8-5-2011	...	...	...
2687-1	12-18-2017	...	...	...
2688	8-19-2011	...	...	...
2690-1	10-2-2014	...	...	...
2691	8-23-2011	...	...	...
2692	8-19-2011	...	...	...
2693-1	4-4-2012	...	...	...
2694	9-26-2011	...	...	...
2696	7-13-2011	...	...	...
2697-1	8-1-2016	...	...	...
2698-2	4-2-2020	...	...	...
2701-1	1-10-2013	...	...	...
2702-7	4-6-2022	...	...	...
2703-1	8-1-2018	...	...	...
2704	9-26-2011	...	...	...
2705	8-9-2011	...	...	...
2706	11-7-2011	...	...	...
2707	11-7-2011	...	...	...
2708	11-7-2011	...	...	...
2710-1	1-7-2013	...	...	6-21-2023
2711-1	9-30-2018	...	...	...
2712-2	1-24-2022	...	...	...
2715	2-13-2012	...	...	...
2717	3-21-2012	...	...	...
2718	3-21-2012	...	...	...
2719	4-4-2012	...	...	...
2720	4-4-2012	...	...	...
2721	4-4-2012	...	...	...
2722-1	10-25-2012	...	...	...
2723	4-4-2012	...	...	...
2724	4-4-2012	...	...	...
2725-1	10-6-2020	...	...	...
2726	5-24-2012	...	...	...
2727-1	9-30-2018	...	...	...
2728-1	9-30-2018	...	...	...
2729-2	4-3-2019	...	...	...
2730	6-28-2012	...	...	...
2731	5-16-2012	...	...	...
2733-3	8-1-2018	...	...	...
2734-3	8-1-2018	...	...	...
2735	9-25-2012	...	...	...
2736-2	6-23-2014	...	...	...

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2737-2	9-30-2018	...	...	...
2738	9-25-2012	...	...	...
2739	9-25-2012	...	...	...
2740-1	9-30-2018	...	...	...
2741	8-15-2012	...	...	...
2742	8-29-2012	...	...	...
2743	8-29-2012	...	...	...
2744	8-29-2012	...	...	...
2745-1	7-29-2014	...	...	...
2746	8-29-2012	...	...	...
2747	8-29-2012	...	...	...
2748-2	9-30-2018	...	...	...
2749-2	9-30-2018	...	...	...
2750	12-12-2012	...	...	...
2751	12-12-2012	...	...	...
2752-1	5-30-2019	...	...	...
2753-1	3-13-2019	...	...	...
2754	12-12-2012	...	...	...
2755	12-18-2012	...	...	...
2756	1-7-2013	...	...	...
2757-2	7-15-2021	...	...	...
2758	1-10-2013	...	...	...
2759	1-10-2013	...	...	...
2760-1	12-12-2019	...	...	...
2761-1	11-7-2017	...	...	...
2763-2	11-29-2022	...	...	2763-1
2764-1	9-2-2014	...	...	12-30-2022
2765-1	11-29-2022	...	...	2765
2767	6-18-2013	...	...	...
2768	8-6-2013	...	1-1-2024	...
2769-1	12-18-2017	...	...	12-30-2022
2770-1	11-2-2021	...	...	...
2771	6-18-2013	...	...	...
2772	6-18-2013	...	...	...
2773	8-27-2013	...	...	...
2774	9-18-2013	...	...	...
2775	9-18-2013	...	...	...
2776	9-18-2013	...	...	...
2777-1	9-30-2018	...	...	...
2778	9-18-2013	...	...	...
2779	9-18-2013	...	...	...
2780-1	6-1-2015	...	...	...
2781-2	8-27-2019	...	...	...
2782	10-23-2013	...	...	...
2783	9-28-2013	...	...	...
2784	11-1-2013	...	...	...
2786	11-1-2013	...	...	...
2787-1	1-31-2022	...	...	...
2788	11-1-2013	...	1-1-2024	...
2789-1	9-19-2022	...	...	...
2790	11-1-2013	...	...	...
2791	1-6-2014	...	...	...
2792	1-23-2014	...	...	...
2793	3-18-2014	...	...	...
2794	3-18-2014	...	...	...
2795	3-18-2014	...	...	...
2797	3-18-2014	...	...	...
2798	4-1-2014	...	...	...
2799-1	6-26-2018	...	...	...
2801-1	11-29-2022	...	...	2801
2802-1	11-29-2022	...	...	2802

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2803	5-19-2014	...	...	...
2804	6-23-2014	...	...	...
2805	5-14-2014	...	...	...
2806	6-23-2014	...	...	...
2807-1	12-30-2018	...	...	...
2808-1	4-29-2022	...	...	...
2809	10-2-2014	...	...	...
2810	10-2-2014	...	...	...
2811	11-14-2014	...	...	...
2812	12-31-2014	...	...	...
2813	1-12-2015	...	...	...
2814	1-8-2015	...	...	...
2815-1	9-30-2018	...	...	...
2816	1-8-2015	...	...	...
2817	1-8-2015	...	...	...
2820	11-29-2014	...	...	...
2821	2-24-2015	...	...	...
2822-2	12-11-2017	...	...	...
2823-1	12-18-2017	...	...	...
2824	3-23-2015	...	...	...
2825	3-6-2015	...	...	...
2826-1	8-14-2018	...	...	...
2827-2	6-29-2018	...	...	...
2830	6-1-2015	...	...	...
2831-1	9-30-2018	...	...	...
2832	7-21-2015	...	...	...
2833	7-15-2015	...	...	...
2834	7-15-2015	...	...	...
2835	9-15-2015	...	...	...
2836-4	1-6-2022	...	...	...
2837	9-15-2015	...	...	...
2838	9-15-2015	...	...	...
2839-2	5-4-2022	...	...	...
2840-1	9-30-2018	...	...	...
2841	2-17-2016	...	...	...
2843-2	12-11-2017	...	...	...
2844	12-9-2015	...	...	...
2847-1	12-12-2019	...	...	...
2848	1-20-2016	...	...	...
2849	1-20-2016	...	...	...
2850	2-23-2016	...	1-1-2024	...
2851	2-9-2016	...	...	...
2852	3-17-2016	...	...	...
2853	3-30-2015	...	...	...
2857	5-2-2016	...	...	...
2858	6-17-2016	...	...	3-30-2023
2859	6-17-2016	...	...	...
2860	9-1-2016	...	...	...
2861	9-1-2016	...	...	...
2864-3	8-8-2022	...	...	...
2865	9-30-2016	...	...	...
2866	9-30-2016	...	...	...
2867-3	12-7-2020	...	...	...
2868-1	3-20-2018	...	...	...
2869	11-28-2016	...	...	...
2870-1	3-21-2017	...	...	...
2871-1	3-21-2017	...	...	...
2872	11-30-2016	...	...	...
2873	11-30-2016	...	...	...
2874	11-30-2016	...	...	...
2875	11-30-2016	...	...	...

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2876-1	3-21-2017	...	...	...
2877	12-12-2016	...	...	...
2878	12-22-2016	...	...	...
2879	1-10-2017	...	...	...
2880	3-21-2017	...	...	...
2881	3-8-2017	...	...	...
2882-1	7-14-2018	...	...	...
2883	4-12-2017	...	...	...
2884	4-4-2017	...	...	...
2885	6-16-2017	...	...	12-30-2022
2886	8-7-2017	...	...	...
2887-1	12-12-2017	...	...	...
2888	8-24-2017	...	...	...
2889	7-6-2017	...	...	...
2890-3	5-4-2022	...	...	...
2892	10-13-2017	...	...	...
2893	10-16-2017	...	...	...
2894	10-16-2017	...	...	...
2895	10-16-2017	...	...	...
2896	8-9-2017	...	...	...
2897-1	12-18-2018	...	...	...
2898-1	6-19-2019	...	...	...
2899-1	6-19-2019	...	...	...
2900-1	6-19-2019	...	...	...
2901	12-11-2017	...	...	...
2902	12-12-2017	...	...	...
2903-1	12-7-2020	...	...	...
2904	12-18-2017	...	...	...
2905	12-11-2017	...	...	...
2906	12-21-2017	...	...	...
2907	12-11-2017	...	...	...
2909-1	7-2-2019	...	...	...
2910	3-5-2018	...	...	...
2911	3-5-2018	...	...	...
2912	3-5-2018	...	...	...
2914	3-5-2018	...	...	...
2916	4-6-2018	...	...	...
2917	6-19-2019	...	...	...
2918	1-18-2018	...	...	...
2919-1	8-5-2022	...	...	...
2920	1-18-2018	...	...	...
2921	5-7-2018	...	...	...
2923	6-26-2018	...	1-1-2024	...
2924	9-30-2018	...	...	...
2926	9-19-2018	...	...	...
2927	8-1-2018	...	...	...
2928	9-19-2018	...	...	...
2929	8-1-2018	...	...	...
2930	8-24-2018	...	...	...
2931	8-24-2018	...	...	...
2932	9-17-2018	...	...	...
2933	10-2-2018	...	...	...
2934	10-2-2018	...	...	...
2936	9-30-2018	...	...	...
2937	12-7-2018	...	...	...
2938-1	12-7-2020	...	...	...
2939	12-17-2018	...	...	...
2941	12-17-2018	...	...	...
2942	12-18-2018	...	...	...
2943	12-30-2018	...	...	...
2946-1	6-8-2020	...	...	...

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/ Supersedes
2947	1-7-2019	...	...	...
2949-1	9-14-2020	...	...	...
2951	3-13-2019	...	...	...
2953	5-16-2019	...	...	...
2956	3-13-2019	...	...	...
2957	4-12-2019	...	...	...
2958	7-2-2019	...	...	...
2959-1	6-24-2021	...	...	...
2960	6-19-2019	...	...	...
2961	6-19-2019	...	...	...
2962	7-18-2019	...	1-1-2024	...
2963	7-30-2019	...	...	...
2964	7-2-2019	...	...	...
2965	7-24-2019	...	...	...
2967	8-28-2019	...	...	...
2968	8-28-2019	...	...	...
2969-2	9-3-2020	...	...	...
2970	10-15-2018	...	...	...
2971-1	9-3-2020	...	...	...
2972	10-6-2019	...	...	...
2973	11-21-2019	...	...	...
2974	11-1-2019	...	...	...
2975	11-1-2019	...	...	...
2976	10-11-2021	...	...	...
2978	7-16-2020	...	...	...
2979	12-4-2019	...	...	...
2981	12-2-2019	...	...	...
2982-1	6-29-2022	...	...	...
2983	12-2-2019	...	...	...
2984-1	2-8-2022	...	...	...
2985	12-2-2019	...	...	...
2986-1	7-24-2020	...	...	...
2987	1-21-2020	...	...	...
2988	1-21-2020	...	...	...
2989	1-21-2020	...	...	...
2990	3-13-2020	...	...	...
2991	3-13-2020	...	...	...
2993	3-13-2020	...	...	...
2995	4-2-2020	...	...	...
2996-1	7-15-2020	...	...	...
2998-1	9-15-2020	...	...	...
3000	6-4-2020	...	...	...
3001	4-23-2020	...	...	...
3002	7-9-2020	...	...	...
3003	7-15-2020	...	...	...
3004	7-15-2020	...	...	...
3005	9-3-2020	...	1-1-2024	...
3006	9-3-2020	...	...	...
3007	9-8-2020	...	...	...
3008	9-15-2020	...	...	...
3010	10-6-2020	...	...	...
3012	12-9-2020	...	...	...
3013	1-4-2021	...	...	3-30-2023
3014	12-10-2020	...	...	...
3015	1-20-2021	...	...	6-21-2023
3016	1-28-2021	...	...	...
3017	2-23-2021	...	...	...
3018	3-16-2021	...	...	...
3020	5-24-2021	...	...	...
3021	4-12-2021	...	...	...
3022	6-24-2021	...	...	...

Case	Approval Date	Errata	Impending Annulment Date	Annulled Date/Supersedes
3023	6-24-2021	...	...	...
3024	7-22-2021	...	...	...
3025	6-24-2021	...	...	...
3026	7-15-2021	...	...	...
3027	8-9-2021	...	...	...
3028	7-15-2021	...	...	...
3029	6-24-2021	...	...	...
3030	8-19-2021	...	...	...
3031	8-20-2021	...	...	...
3032	9-2-2021	...	...	...
3033	11-27-2021	...	...	...
3034	12-15-2021	...	...	...
3035	1-3-2022	...	...	...
3036	1-6-2022	...	...	...
3037	2-7-2022	...	...	...
3038	1-10-2022	...	...	...
3039	3-3-2022	...	...	...
3040	3-17-2022	...	...	...
3041	4-1-2022	...	...	...
3042	4-1-2022	...	...	...
3043	4-1-2022	...	...	...
3044	4-6-2022	...	...	...
3045	4-6-2022	...	...	...
3046	4-26-2022	...	...	...
3047	6-4-2022	...	...	...
3048	5-4-2022	...	...	...
3049	5-4-2022	...	...	...
3050	7-12-2022	...	...	...
3051	8-22-2022	...	...	...
3052	8-29-2022	...	...	...
3053	8-30-2022	...	...	...
3054	9-6-2022	...	...	...
3055	8-5-2022	...	...	...
3056	9-6-2022	...	...	...
3057	9-16-2022	...	...	...
3058	9-6-2022	...	...	...
3059	9-6-2022	...	...	...
3060	9-2-2022	...	...	...
3061	10-17-2022	...	...	...
3062	11-29-2022	...	...	...
3063	12-7-2022	...	...	...
3064	12-21-2022	...	...	...
3065	1-2-2023	...	...	...
3066	12-7-2022	...	...	...
3067	12-12-2022	...	...	...
3068	12-7-2022	...	...	...
3069	1-23-2023	...	...	...
3070	2-7-2023	...	...	...

SUBJECT INDEX

(23)

Subject	Case
Section I	
Power Boilers	
2.25Cr-1.6W-V-Cb Material	2199
2.5Cr-1Mo-V-B-Ti Material	2540
9Cr-1Mo-V Material	2864
9Cr-1Mo-1W-Cb Material	2327
9Cr-1Mo-V Material, UNS J84090	2192
9Cr-2W, UNS K92460 Material	2179
9Cr-3W-3Co-Nd-B Material	2839
12Cr-2W-2Co-B Material	3001
12Cr-1.5W-1.6Co-B Material	2781
18Cr-11Ni-3Cu-Mo-Nb-B-N Austenitic Stainless Steel, UNS S34752	2984
18Cr-9Ni-2.5W-V-Cb Austenitic Seamless Tube Steel	2475
18Cr-10Ni-3Cu-Ti-Cb Seamless Austenitic Stainless Steel Tube .	2512
20Cr-25Ni-1.5Mo-Cb-N Seamless Austenitic Stainless Steel Tube	2581
22Cr-15Ni-Cb-N Austenitic Stainless Steel Seamless Tubing . . .	2598
22Cr-25Ni-3.5W-3Cu Austenitic Stainless Steel UNS S31035 . . .	2753
25Cr-14Ni-Mo-Low C (UNS S30925) Seamless Austenitic Steel Tube	2639
47Ni-23Cr-23Fe-7W, UNS N06674, Alloy Seamless Pipe and Tube, and Forgings	2684
52Ni-22Cr-13Co-9Mo (UNS N06617) Welded Tube	2923
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230)	2665
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230) Autogenously Welded Tube and Seamless Pipe and Tube	2756
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230) Wrought and Welded Tubing	2792
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230), Subpart 3, Fig. NFN-24 Up to 1,800°F (982°C)	2671
58Ni-29Cr-9Fe Alloy (UNS N06690)	2809
Alloy UNS S30815 Up to 1,700°F (927°C)	2786
Alternate Rules to PG-26 for Nickel Base Alloys	2805
Alternate WPS Qualification	3021
Alternative Method for Protection Against Overpressure	3031
Alternative Methods for Stamping	2896
Alternative Rules for Access in Firetube Boilers	2841
Alternative Rules for Heat Treatment of Boiler External Piping.	1934
Alternative Welding Operator Performance Weld Qualification Test	2757
Application of the ASME Certification Mark	2710
ASTM A351/A351M-14 Grade HG10MnN (UNS J92604)	3049
ASTM A1091/A1091M-16, Grade C91 Castings	2917
ASTM B444-04 UNS N06852, 50Ni-21.5Cr-17.5Fe-9Mo-Nb, Solution Annealed Seamless Pipes and Tubes	2520
Austenitic Fe-27Ni-22Cr-7Mo-Mn-Cu-N Alloy (UNS S31277) . . .	2458
Austenitic Fe-35Ni-27Cr Alloy (UNS S35045)	2304
Capacitor Discharge Welding of Thermocouples to Material Less Than 0.20 in. (5 mm) Minimum Wall Thickness	2986
Changeover Valves Installed Between Safety Valves or Safety Relief Valves and Boilers	2254
Corrosion-Resistant Cu-Sb Carbon Steel Tube and Seamless Pipe	2494
Cu-13Zn-1.1Ni-Si-Al Alloy Seamless Pipe and Tubing	2782
Design of Safety Valve Connections	1876

Subject	Case
Section I	
Power Boilers (Cont'd)	
Design Rules for Creep Strength Enhanced Ferritic (CSEF) Steels Which Are Creep Intolerant for Construction	3048
Exemption From Mandatory Requirement for Fusible Plug in Hand-Fired Boilers	2731
Exemption From Postweld Heat Treatment for SA-268 TP439 P-No. 7 Tube to SA-790 Alloy UNS S31803 P-No. 10H Header Welds	2666
Exemption from Preheat and PWHT for Autogenous Butt welding of SA-213/SA-213M T22 Seamless Tubing	2755
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Co-26Cr-9Ni-5Mo-3Fe-2W Alloy (UNS R31233) Filler Metal	2969
F-Number Grouping for Cr-Fe-Ni-Mo-Cu, Classification UNS R20033 Filler Metal	2473
F-Number Grouping for Ni-Cr-Fe Filler Metals	2142
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Electrode	2734
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Filler Metal	2733
Fe-10.5Cr-0.5Mo-V-Nb Material	2890
Fillet Welded Staybolts in Locomotive-Type Boilers Not Covered Under Part PL	3045
Forgings of Nickel-Iron-Chromium Alloys N08800 and N08810	1949
Grade 91 Steel, 9%Cr-1%Mo (UNS K90901)	2770
Gray Cast Iron Castings	1849
Instrumented Indentation Testing as Alternative Hardness Test for QW-290 Temper Bead Welding	2703
Low Power Density Laser Beam Welding	2827
Materials for Bodies, Bonnets, Yokes, Housings, and Holders of Pressure Relief Devices	1750
Method for Basing Design Values on Material Properties Affirmed by Material Manufacturers	2556
Ni-22Cr-14W-2Mo-La Alloy (UNS N06230)	2063
Ni-25Cr-9.5Fe-2.1Al Alloy (UNS N06025)	2359
Ni-25Cr-20Co Material, UNS N07740	2702
Ni-Cr-Co-Mo Alloy (UNS N06617)	2439
Ni-Cr-Co-Mo-Ti Precipitation Hardened Alloy UNS N07208	3024
Ni-Cr-Mo Alloy UNS N06022 for Code Construction for Temperatures up to 1250°F	2226
Ni-Fe-Cr Alloy N08801 for Water-Wetted Service	2357
Nickel-Chromium-Iron (Alloy N06600) for Water-Wetted Service	1827
Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625)	1935
Nickel-Iron-Chromium Alloys 800 and 800H (UNS N08800 and N08810) and Nickel-Iron-Chromium-Molybdenum-Copper Low-Carbon Alloy (UNS N08028)	1325
Nickel-Iron-Chromium-Molybdenum-Copper Alloy (UNS N08825) for Water Wetted Service	1936

Subject	Case
Section I	
Power Boilers (Cont'd)	
Nickel-Molybdenum-Chromium Alloy (UNS N10276)	1924
Pilot-Operated Pressure Relief Valves for PG-67.2.6 Applications	2446
Postponement of Mandatory Date for Compliance	2640
Precipitation-Hardening Nickel Alloy (UNS N07718) Used as Bolting Material	1993
Preheat of Dissimilar Metal Welds	3044
Pressure Relief Valves That Exceeded the Capability of Testing Laboratories	2397
PW-39.2.1, PWHT Requirements for P-No. 4 Material Welded to Lower P-Number Material	2741
PWHT Exemption When Using Laser Beam Welding to Attach Fins to P-No. 15E Pipe and Tube Materials	2927
Qualification of Partial-Penetration Groove Welds Using Laser or Electron Beam Welding	2868
Requirements for Use of an Alternative Test Method Under PG-73.4.2.2	2511
SA-487 Grade CA6NM Class A	2073
SB-407 UNS N06811, 42Ni-29Cr-28Fe-Mo-N, Seamless Pipes and Tubes	2518
Seamless 1.15Ni-0.65Cu-Mo-Cb Material	2353
Seamless 11Cr-2W Material	2180
Section VIII, Division 1 Plate-and-Frame Heat Exchanger in Section I Feedwater System	2817
Section VIII, Division 1, Unfired Steam Boiler in Section I System	1855
Sizing Pressure Relief Valves for Economizers	3067
Substitution of Base Metals for Weld Metal Overlay	2897
Table PW-39-1, Exemptions From Postweld Heat Treatment for P-No. 1 Group 1 Materials With CE Greater Than 0.45	2906
UNS N06696 Seamless Pipe, Tube, and Plate	2652
Unstayed Flat Head Constructed From Forged Material	2697
Use of A213/A213M-04 UNS S31060 Austenitic Stainless Steel Seamless Tubing and A240/A240M-04a ¹ UNS S31060 Austenitic Stainless Steel Plate	2430
Use of ASME B31.1, 2014 Edition	2851
Use of ASTM A106/A106M-08 as SA-106/SA-106M	2663
Use of ASTM A672-06 and A691-98(R2002) Electric-Fusion-Welded Pipe	2576
Use of ASTM A988/A988M-17 Hot Isostatically Pressure Consolidated Powder Metallurgy	2930
Use of ASTM A989/A989M-15 Hot Isostatically Pressure Consolidated Powder Flanges, Fittings, Valves, and Parts	2931
Use of ASTM B834-15, Pressure Consolidated Powder Metallurgy	2916
Use of B43 Seamless Red Brass Pipe (UNS C23000) With Drawn General Purpose Temper (H58) for Threaded Piping for Construction of PMB and PEB Miniature Electric Boilers	2172
Use of Backing in Helical Butt-Welded Joints Under External Pressure	2957
Use of Capacitive Discharge Welding for Joining Non-Load-Bearing Attachments to P-No. 15E Group No. 1 Materials	2649
Use of Carbon and Low Alloy Steel Plate, AS 1548-2008 Grades PT430N/PT430NR, PT460N/PT460NR, and PT490N/PT490NR	2645
Use of Eccentric Crossings in Construction	2995
Use of Glass Bull's-Eye Water Level Indicators on Electric Boilers	2715
Use of Magnetically Impelled Arc Butt Welding (MIABW)	2694
Use of Manual Ultrasonic Examination of Welds	3026
Use of Materials in a Current Code Edition for a Boiler Constructed to an Earlier Code Edition	2595
Use of Metric Units	2523

Subject	Case
Section I	
Power Boilers (Cont'd)	
Use of Mn- $\frac{1}{2}$ Mo- $\frac{1}{2}$ Ni (UNS K12039) Pipe	2440
Use of PRT I Designator	3028
Use of SA-36/SA-36M and SA-675/SA-675M, Rectangular Carbon Steel Bars for Stiffening Rings	2929
Use of SA-240/SA-240M UNS S41003 Plates in the Construction of Boilers	2696
Use of SA-268/SA-268M, UNS S43932 Seamless and Welded Tubes	3014
Use of SA-350, Grade LF2, Class 1 Steel Forgings	2606
Use of SA-420, Grade WPL6 and Welded Steel Fittings	2607
Use of SA-508 Class 1, Grades 2 and 3 Forgings	2489
Use of Ultrasonic Examination in Lieu of Radiography for Material Thickness Less Than $\frac{1}{2}$ in. (13 mm) But Greater Than or Equal to $\frac{1}{4}$ in. (6 mm)	2816
Use of UNS N06625 Nickel Alloy (60Ni-22Cr-9Mo-3.5Cb) Annealed Grade 1 in Welded Tube, Plate, Sheet, and Strip	2632
Use of UNS N08367 Material for Construction	2810
Use of UNS S31042 Austenitic Stainless Steel in the Form of ASTM A213/A213M-21b Seamless Tube in Construction	3061
Section II	
Materials Part A — Ferrous	
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Section II	
Materials Part B — Nonferrous	
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230) Wrought and Welded Tubing	2792
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Use of 5052-H32, 6061-T6, and 6061-T651 Temper Aluminum Alloys in Part HF of Section IV, for Construction of Heating Boilers	2432
Section II	
Welding Specifications — Part C	
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Welding Filler Metals	2798
Section II	
Material Properties — Part D	
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230), Subpart 3, Fig. NFN-24 Up to 1,800°F (982°C)	2671
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Section IV	
Heating Boilers	
Allowance to Use Provisions of HG-402.5 as Alternative to Using Steam to Determine Set Pressure for "Pressure Only" Safety Relief Valves During Capacity Certification Testing	2692
Allowing Burst Testing to Determine MAWP of HLW Water Heaters and Storage Tanks	2937
Allowing Nameplate to Be Placed in Alternate Location Due to Insufficient Space	2876
Allowing Nameplates With Thinner Nominal Thickness	2993
Allowing the Use of SB-543 Alloy UNS C70600 Tube	2768
Alloy SUS 430J1L/JIS G 4305:2005 Plates for Part HF	2763
Alloy SUS 430J1L/JIS G 4305:2005 Plates for Part HLW	2765

<u>Subject</u>	<u>Case</u>	<u>Subject</u>	<u>Case</u>
Section IV		Section IV	
Heating Boilers (Cont'd)		Heating Boilers (Cont'd)	
Alloy SUS 430J1LTB/JIS G 3463:2006 Tubes for Heating Boilers	2801	UNS S31635 Tubing	2687
Alloy SUS 430J1LTB/JIS G 3463:2006 Tubes for Water Heaters	2802	UNS S31635 Tubing for Construction of Water Heaters	2723
Alternate Brazing Requirements for Pressure and Nonpressure Parts	2886	Use of 5052-H32, 6061-T6, and 6061-T651 Temper Aluminum Alloys in Part HF of Section IV, for Construction of Heating Boilers	2432
Alternate Safety Relief Valve Mounting for Low Mass Watertube Boilers and Water Heaters	2887	Use of Alloy SUS304TB Tube in Accordance With JIS G 3463:2012 in the Construction of Heating Boilers Under Part HF	2989
Alternative Minimum Thickness Requirements for Part HLW Water Heaters and Storage Tanks	3025	Use of Alloy SUS304TP Pipe in Accordance With JIS G 3459:2016 in the Construction of Heating Boilers Per Part HF	2976
Alternative Rules for Access and Inspection of a Water Boiler 60 in. (1 500 mm) or Over in Diameter	3051	Use of Alloy SUS315J1TB Tube in Accordance With JIS G 3463:2012 in the Construction of Heating Boilers Per Part HF	2960
Alternative Rules for Design Temperature of Plain Furnaces	2963	Use of Alloy SUS315J1TP Pipe in Accordance With JIS G 3459:2016 in the Construction of Heating Boilers Per Part HF	2953
Alternative Rules for Drain Valve Requirements on Modular Hot Water Boilers, HG-716(a)(3)(-b)	2873	Use of Alloy SUS444TB Tubing in Accordance With JIS G 3463:2012 in the Construction of Heating Boilers Per Part HF	2933
Application of the ASME Certification Mark	2710	Use of Alloy SUS444TP Pipe in Accordance With JIS G 3459:2016 in the Construction of Heating Boilers Per Part HF	2934
Attaching Nozzles and Fittings to Headers and Vessels	2690	Use of Aluminum Alloy EN AW-6060 T1 Extruded (Integrally) Finned Tube in the Manufacture of Hot Water Heating Boilers	2627
Attaching Tubes to Tubesheets Using GTAW Welding	3062	Use of Aluminum Alloy EN AW-6060 T66 Extruded Tube in the Manufacture of Hot Water Heating Boilers	2978
Attaching Tubes to Tubesheets Using Laser Beam Welding Without Full Penetration	2760	Use of an Automatic Pressure Decay Test for Part HLW Water Heaters	3023
Automatic Pressure Decay Test in Lieu of Hydrostatic Testing	2826	Use of ASTM A106/A106M-08 as SA-106/SA-106M	2663
Burst Testing Per HG-502.3 in Lieu of Proof Testing Per HLW-500 to Determine MAWP of HLW Items	2850	Use of ASTM A576 Hot-Wrought Carbon Steel Bars for Forming Fittings for HLW Construction	2500
Combination Boilers	3010	Use of Austenitic Stainless Steel Material With Minimum Thickness of 0.020 in. (0.5 mm) for Hot Water Heating Boilers	2688
Copper Alloys	2570	Use of Austenitic Stainless Steel on HLW Water Heaters for Potable Water Applications	2656
Corner Weld With Partial Penetration for Construction of Stainless Steel Hot Water Heating Boiler	3004	Use of Austenitic Stainless Steel SA-312/SA-312M Type 316Ti (UNS S31635) in the Construction of Heating Boilers	2849
Depth of Bevel for Tubes Attached by Welding	2947	Use of EN 10025-2 Gr. S235JR Plate in the Construction of Boilers	2720
Drain Valve on Horizontal Helical Coil Watertube Boilers	2529	Use of EN 10088-2 Gr. X6CrNiMoTi 17-12-2 Sheet, Plate, and Strip in the Construction of Boilers	2719
Exemption from Minimum Required Thickness, HF-301.1	2885	Use of EN 10217-1 Gr. P235TR2 Tubes in the Construction of Boilers	2721
Extension of Joining Personnel's Qualification Continuity	2996	Use of ER310 Filler Metals to Weld UNS S43035, Grades 439 and TP439 Materials to Austenitic Grades 304, 304L, 316, 316L, and 316Ti for the Construction of Heating Boilers	2724
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297	Use of JIS G 4305:2012 Alloy SUS304L in the Construction of Heating Boilers Under Part HF	2900
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143	Use of JIS G 4305:2012 Alloy SUS315J1 in the Construction of Heating Boilers Under Part HF	2899
HG-701.1 Permissible Mounting Safety Relief Valves for Coil-Type Water Boilers	2568	Use of JIS G 4305:2012 Alloy SUS444 in the Construction of Heating Boilers Under Part HF	2898
HLW-401.4(a), Distortion in Lined Vessels	2904	Use of Materials from the 2019 Edition	3033
Joining of SB-283, UNS C37700 Fittings to SB-75 Tubing	2791	Use of Metric Units	2523
Laser Marking of Welded Hot Water Heating Boilers	2813	Use of Nickel Alloy UNS N08367 in Construction of Boilers	2693
Locating Drain Fitting in Location Other Than That Specified in HLW-810(a)	2852	Use of Nickel Alloy UNS N08367 in the Manufacture of Part HLW Water Heaters and Storage Tanks	2973
Mandatory Appendix 5, Alternative Pressure Relief Device	2968	Use of Pneumatic Testing on Individual Cast Aluminum Sections	2604
Marking by Laser Annealing of Part HLW Water Heaters and Storage Heaters	2902	Use of Polymer Material for Bolted Box Headers	2411
Marking for Small Parts 5 in. (125 mm) O.D. and Under	2972	Use of SA-240 Grade 904L (UNS N08904)	2546
Modular Hot Water Boiler Certified as a Single Boiler	2874	Use of SA-240 Types 316Ti, 316L, 439 (UNS S43035), and UNS S43932 to Construct Water Heating Boilers With Cylindrical Parts Larger Than 38 in. (950 mm) Outside Diameter	2769
Modular Hot Water Supply Boilers	2893		
Modular Potable Water Heaters	2882		
Mounting Safety and Safety Relief Valves for Coil Type Heating Boilers	2565		
Part Marking for Small Parts 5 in. (125 mm) O.D. and Under	2962		
Phenolic Lining Material in HLW-200 Application	2613		
Pneumatic Testing	2469		
Pneumatic Testing in Lieu of Hydrostatic Test	2883		
Pneumatic Testing of Welded Hot Water Heating Boilers	2812		
Polymer Material for Heating Boiler Components	2725		
Qualification of Partial and Full Penetration Corner Joints Using Laser Beam Welding	3003		
Resistance Welding for Fittings and Nozzles	2848		
Revised Manufacturer's Data Reports	2691		
SA/EN10028-2 Grades P235GH, P265GH, P295GH, and P355GH	2779		
Tubes Attached by Welding	2657		

Subject	Case
Section IV	
Heating Boilers (Cont'd)	
Use of SA-240, Grades 304L and 316L in Thickness Less Than 1/4 in. (6 mm)	2571
Use of SA-240/SA-240M Plate Material, UNS S31635, Grades 316Ti and 439, UNS S43932 and UNS S43940, With Minimum Thickness of 0.0394 in. (1.0 mm) After Forming	2946
Use of SA-240/SA-240M Types 304L, 316Ti, 316L, 439 (UNS S43035), and UNS S43932 to Construct Water Heating Boilers for a Maximum Pressure of 160 psi (1 100 kPa)	2764
Use of SA-240/SA-240M UNS S41003 Plate in the Construction of Boilers	2707
Use of SA-240/SA-240M UNS S43035 (Grade 439) and UNS S43932 Less Than 1/4 in. (6 mm) in Thickness for the Construction of Water Boilers Intended for Working Pressures Up to 160 psi (1 100 kPa) Under Part HF	2708
Use of SA-240/SA-240M, Alloys 439 and UNS S43932, and SA-268, alloy TP439 Up to 210°F (99°C) in Heating Boiler Construction	2722
Use of SA-240/SA-240M, Plate Alloy Steel, Grades 304L and 316L With Thickness Less Than 1/8 in. (3 mm)	2872
Use of SA-240/SA-240M, Types 316Ti, 316L, 439, and UNS S43932 With Thickness Less Than 3/32 in. (2.5 mm)	2871
Use of SA-268 Grades UNS S43932 and UNS S43940 Conforming to SA-268 in the Manufacture of Heating Boilers	2668
Use of Sand Cast Aluminum Alloy EN AC-43000, AlSi10Mg(a), F Temper	2773
Use of SB-148 C95500, As-Cast Temper, in the Manufacture of Heating Boilers, Part HF and Potable-Water Heaters, Part HLW	2618
Use of SB-241/SB-241M Grade 6063 T1 (UNS A96063) Aluminum Alloy Extruded (Integrally) Finned and Coiled Tube in the Manufacture of Hot Water Heating Boilers	2628
Use of SB-584 (UNS C87500) Copper Alloy Sand Castings in the Manufacture of Nonstandard Pressure Parts for Hot Water Heating Boilers and Potable Water Heaters	2706
Use of Silicone Rubber O-Rings for Installing Tubes in Hot Water Heating Boilers and Potable Water Heaters	2888
Use of Stainless Steel Material With a Minimum Thickness of 0.0157 in. (0.4 mm) for Hot Water Heating Boilers	2869
Use of Stainless Steel Plate and Tube for Hot Water Heating Boilers	2870
Use of Stud Welding for Fitting Attachment of Part HG Boilers Fabricated by Welding	2967
Use of Stud Welding for Fitting Attachment of Part HLW Water Heaters and Storage Heaters	2961
Use of Thermometers With Minimum Full-Scale Range of 50°F to 250°F (10°C to 120°C)	2803
Use of UNS C12200 ASTM B359/B359M-18 With O62 Temper in the Manufacture of Part HLW Water Heaters and Part HF Boilers	2987
Use of UNS C69300 Copper-Zinc-Silicon Alloy Rod in the Manufacture of Pressure Parts for Hot Water Heating Boilers and Potable-Water Heaters	2880
Use of UNS N08904 (904L) Austenitic Stainless Steel Plate, Sheet, Strip in the Manufacture of Part HLW Water Heaters and Storage Tanks	2875
Use of UNS N08926 Austenitic Stainless Steel Plate, Sheet, and Strip in the Welded Construction of Hot Water Heating Boilers and Hot Water Supply Boilers	3030
Use of UNS R50400 Titanium Seamless and Welded Tube	2824

Subject	Case
Section IV	
Heating Boilers (Cont'd)	
Use of UNS S31254 Austenitic Stainless Steel Plate, Sheet, Strip, and Tube in the Manufacture of Part HLW Water Heaters and Storage Tanks	2895
Use of UNS S31254 Austenitic Stainless Steel Plate, Sheet, Strip, and Tube in the Welded Construction of Hot Water Heating Boilers	2894
Use of UNS S31635 (316Ti) Austenitic Stainless Steel in SA-312/SA-312M Seamless and Welded Pipe in the Manufacture of Part HLW Water Heaters and Storage Tanks	2988
Use of UNS S32003 Ferritic/Austenitic Stainless Steel Plate, Pipe, and Tube	2643
Use of UNS S32003 Ferritic/Austenitic Stainless Steel Plate, Pipe, and Tube for Boilers	2823
Use of UNS S32101 Ferritic/Austenitic Stainless Steel Plate, Sheet, Strip, Pipe, and Tube	2603
Use of UNS S32101 Ferritic/Austenitic Stainless Steel Plate, Sheet, Strip, Pipe, and Tube in the Manufacture of Part HLW Water Heaters and Storage Tanks	2620
Use of UNS S32205 Ferritic/Austenitic Stainless Steel [™] Plate, Pipe, and Tube	2761
Use of UNS S32205 Ferritic/Austenitic Stainless Steel Plate, Sheet, Strip, Pipe, and Tube in the Manufacture of Part HLW Water Heaters and Storage Tanks	2778
Use of UNS S43932 Ferritic Stainless Steel in SA-240/SA-240M Plate, Sheet, Strip, and in SA-268/SA-268M Welded and Seamless Tube	3027
Use of UNS S82012 and S82031 Duplex Stainless Steel Plate, Sheet, and Strip	2861
Use of UNS S82012 and S82031 Duplex Stainless Steel Plate, Sheet, and Strip in the Manufacture of Part HLW Water Heaters and Storage Tanks	2860
Valve Markings	2256
Section VIII, Division 1	
Pressure Vessels	
7% Ni Thermo-Mechanical Control Processed Steel Plate for Cryogenic Applications	2736
9Cr-2Si-1Cu Material	3007
9Cr-2W, UNS K92460 Material	2179
18Cr-11Ni-3Cu-Mo-Nb-B-N Austenitic Stainless Steel, UNS S34752	2984
18Cr-13Ni-3.7Mo-Nb-N Austenitic Stainless Steel, UNS S31740	3038
18Cr-15Ni-4Mo-3Cu-N, UNS S31727, Austenitic Stainless Steel	2617
18.5Cr-15.5Ni-4.5Mo-N Alloy (UNS S31726) Austenitic Stainless Steel	2197
20Cr-8.5Ni-0.7Mo-0.2N, UNS S31655 Austenitic Steel, Alloy Plate, Sheet, and Strip, Welded Tubing, Seamless and Welded Pipe	2903
22Cr-25Ni-3.5W-3Cu Austenitic Stainless Steel UNS S31035	2752
23Cr-25Ni-5.5Mo-N, UNS S32053, Austenitic -Stainless Steel	2445
23Cr-35Ni-7.5Mo-N, UNS N08354, Austenitic Alloy	2585
24Cr-4Ni-3Mn-1.6Mo-0.27N, UNS S82441 Ferritic/Austenitic Steel, Alloy Plate, Sheet, and Strip; Bar; Seamless and Welded Tube; Seamless and Welded Pipe	2780
24Cr-17Ni-6Mn-4.5Mo-N, UNS S34565, Austenitic Stainless Steel Forgings, Bar, Fittings, Welded and Seamless Pipe and Tube, Plate, Sheet, and Strip	2146
24.5Cr-22Ni-7.5Mo-3Mn-N Austenitic Stainless Steel (UNS S32654)	2195
25Cr-7.5Ni-4.5Mo-Co-N Austenitic-Ferritic Stainless Steel UNS S32707	2586

Subject	Case	Subject	Case
Section VIII, Division 1 Pressure Vessels (Cont'd)		Section VIII, Division 1 Pressure Vessels (Cont'd)	
25Cr-20Ni Austenitic Stainless Steel UNS S31002	2591	Alternative Rules for Ellipsoidal or Torispherical Heads Having Integral Backing Strip Attached to Shells	2346
25Cr-22Ni-2Mo-N, UNS S31050, Austenitic Stainless Steel Forgings	2038	Alternative Rules for Hemispherical Head Attached to Cylindrical Shell Having Integral Backing Ring That Is Part of the Shell ..	2751
27Cr-7.6Ni-1Mo-2.3W-N UNS S32808, Solution Annealed Austenitic-Ferritic Duplex Stainless Steel Plate, Seamless Tubing, Seamless Pipe, Forgings, and Bar for Class 2	2496	Alternative Rules for the Design of U-Tube Tubesheets, Configurations a and e	2965
29Cr-6.5Ni-2Mo-N Austenitic-Ferritic Stainless Steel, UNS S32906 Hot Isostatically-Pressed Material (Class 2)	2840	Alternative Rules for the Postweld Heat Treatment of Finned Tubes	2400
30Cr-7Ni-3.5Mo-N, UNS S83071, Austenitic-Ferritic Stainless Steel	2914	Alternative Set Pressure Testing of Pilot-Operated Pressure Relief Valves	3057
35Ni-30Fe-27Cr-6.5Mo-N Nickel Alloy, UNS N08935	2982	Alternative Welding Operator Performance Weld Qualification Test	2757
37Ni-30Co-28Cr-2.75Si Alloy (UNS N12160)	2385	Aluminum Alloy (Aluminum-6.3Magnesium) for Code Construction	2403
37Ni-33Fe-25Cr Alloy (UNS N08120) Welded Construction Above 1650°F to 1800°F	2672	Annealed Copper SB-152, UNS C10100, O25 Temper	2859
47Ni-23Cr-23Fe-7W, UNS N06674, Alloy Seamless Pipe and Tube, and Forgings	2684	Applicability of ASTM B432 for Construction of Pressure Vessels ASTM A240/A240M-09a UNS S30530 Solution Annealed	2928
52Ni-22Cr-13Co-9Mo (UNS N06617) Welded Tube	2923	Austenitic Stainless Steel Plate and Sheet	2636
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230) Wrought and Welded Tubing	2792	ASTM B16 Material in Pressure Boundary of Vessel	2881
57Ni-22Cr-14W-2Mo-La Alloy (UNS N06230), Subpart 3, Fig. NFN-24 Up to 1,800°F (982°C)	2671	Attachment of Tubes to Flat Tubesheets Using Complete Penetration Welds	2428
2014-T6 Aluminum Hand Forgings for Nonwelded Construction	2616	Austenitic Fe-27Ni-22Cr-7Mo-Mn-Cu-N Alloy (UNS S31277) ..	2458
A439 Type D-2 Austenitic Ductile Iron	2093	Austenitic Fe-35Ni-27Cr Alloy (UNS S35045)	2304
Allowable Compressive Stress in the Time-Dependent Regime .	2964	Austenitic Ni-Cr-Mo-Nb Alloy (UNS N06626)	2276
Alloy UNS N06690 Up To 1200°F (649°C)	2629	Austenitic Stainless Steel Seamless Tubes and Pipe, Seamless Wrought Fittings, Plate, Sheet, and Forgings, 18Cr-11Ni-Cb-N, UNS S34751, 347LN	2196
Alloy UNS S30815 Up to 1,700°F (927°C)	2786	Cast ASTM B752-06 Zirconium Alloy Grades 702C and 705C ..	2633
Alternate NDE Method for Welded Spin Holes	2889	Cast Titanium Aluminum Vanadium Iron Alloy, SB-367, Grade C-38 (Ti 4Al-2.5V-1.5Fe) UNS R54250	2717
Alternate Rules for Heat Treatment of Repair Welds to Castings	2205	Chromium-Nickel-Molybdenum-Nitrogen-Tungsten Duplex Stainless Steel UNS S39274 Plate	2427
Alternate Rules for Quick-Actuating Closures	2912	Cold-Stretching of Austenitic Stainless Steel Pressure Vessels ..	2596
Alternative Approach for Operating Conditions (Including Occasional Loads) in the Time-Dependent Regime	2951	Cu-13Zn-1.1Ni-Si-Al Alloy Seamless Tubing	2783
Alternative Flanged Joint Design for Nuclear Material Fluidized Bed Reactors	2318	Diffusion Welding of Microchannel Heat Exchangers	3018
Alternative Method of Vessel Markings	2911	Evaluation of External Loads on Welding Neck Flanges Covered by Section VIII, Division 1, UG-44(b), (i), and (j); or Section VIII, Division 2, 4.1.11.1(a) and (g), and 4.1.11.3	2901
Alternative Pore Evaluation and Acceptance Criteria for Diffusion Welded Material, Mandatory Appendix 42	3046	Exceptions to Requirements of Figure UW-13.2, Sketches (m) and (n)	2772
Alternative Pressure Test Procedure to UG-99 and UG-100 for the Construction of Multistream Aluminum Vacuum Brazed Plate-Fin Heat Exchangers	2247	Exemption From Post-Bending Heat Treatment Requirements for Carbon and Low-Alloy Steel Tube and Pipe	2807
Alternative Procedure for Calculating Allowable Axial Compressive Stress and External Pressure in Cylindrical Shells Constructed of Stainless Steel Alloy 253MA (UNS S30815) at Temperatures Greater Than 1200°F (650°C) and Less Than or Equal to 1650°F (900°C)	2682	Exemption From Postweld Heat Treatment for P-No. 4 or P-No. 5A Tube-to-Tubesheet Seal Welds	2321
Alternative Procedure for Calculating Allowable Axial Compressive Stress in Cylindrical Shells Constructed of 2 $\frac{1}{4}$ Cr-1Mo Steel at Temperatures Greater Than 700°F and Less Than or Equal to 1000°F	2676	Exemption From Postweld NDE Requirements of UG-93(d)(4)-(b) on Fig. UW-13.2(d) Construction	2305
Alternative Requirements for Certifying Engineer Qualification .	3036	Exemption from PWHT Requirements in Table UCS-56-3 for Seal Welds Between P-No. 4 Tubes and P-No. 4 Tubesheets	2858
Alternative Requirements for Seal Welding of Threaded Connections, UF-32(b)	2016	Exemption From Repeated Mechanical Testing as per UCS-85(c) and (i)	2941
Alternative Rules for Appendix 24 When Controlled Bolting Is Used	2658	Extending Mandatory Appendix 34 to Use PAW to Weld UNS S32615 Meeting the Requirements of SA-240/SA-240M	2985
Alternative Rules for Brazing Qualifications	2351	Extension of Cementing Technicians Qualification Continuity, Part UIG	3008
Alternative Rules for Design of Ellipsoidal and Torispherical Formed Heads	2260	Extension of Joining Personnel's Qualification Continuity	2996
Alternative Rules for Designing U-Shaped Bellows	2587	F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
Alternative Rules for Determining Allowable External Pressure and Compressive Stresses for Cylinders, Cones, Spheres, and Formed Heads	2286	F-Number Grouping for 63Ni-22Mo-15Cr Alloy (UNS N10362) Filler Metal	2653
		F-Number Grouping for Co-26Cr-9Ni-5Mo-3Fe-2W Alloy (UNS R31233) Filler Metal	2969

Subject	Case
Section VIII, Division 1 Pressure Vessels (Cont'd)	
F-Number Grouping for Cr-Fe-Ni-Mo-Cu, Classification UNS R20033 Filler Metal	2473
F-Number Grouping for Ni-Cr-Fe Filler Metals	2142
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Electrode	2734
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Filler Metal	2733
Figure UW-13.4, Illustration (a)	2814
Full-Strength and Partial-Strength Inset Tube-to-Tubesheet Welds	2942
Heat-Affected Zone Impact Testing in Weld Procedure Qualification, UG-84(g)(2)	2835
Hydrostatic and Pneumatic Testing of Mass-Produced Pressure Vessels With an Intermediate Isolation Valve Between Indicating Gage and Pressure Vessel	2726
Impact Test Requirements of Part UHA Materials Joined by Diffusion Welding	3054
Implementation of Changes in Division 1, 31-4 (a) and (b) and Division 2, 3.4.4.1 and 3.4.4.2	2844
Induction Kinetic Welding	2799
Inspection Openings in Small Pressure Vessels	2634
Large-End Cone-to-Cylinder Junction for $30 < \alpha \leq 60$ Degrees ..	2150
Laser Annealing of Nameplates	2959
Laser Measurement for Out-of-Roundness	2789
Low Power Density Laser Beam Welding	2827
Mandatory Appendix 26, Fatigue Design Curve for Other Materials for Expansion Joints	3013
Manufacturer's Data Reports	2738
Material of Minor Attachments Welded Directly to Pressure Parts Made of Q&T Steels Covered by Table UHT-23 of Division 1 and Table 3-A.2 of Division 2	2865
Materials for Bodies, Bonnets, Yokes, Housings, and Holders of Pressure Relief Devices	1750
Method for Basing Design Values on Material Properties Affirmed by Material Manufacturers	2556
Minimum Thickness of Furnace Brazed Plate Heat Exchanger Heads	2538
Minimum Thickness of Standard Fittings Under UW-16(f)(3)(-a)(-6)	3035
Multiple Marking of Certified Capacities for Pressure-Relief Valves	2787
Ni-25Cr-9.5Fe-2.1Al Alloy (UNS N06025)	2359
Ni-25Cr-20Co Material, UNS N07740	3056
Ni-29Cr-3.5Fe-3.3Al-1.5Nb Alloy (UNS N06693)	2481
Ni-Cr-Co-Mo-Ti Precipitation Hardened Alloy UNS N07208	3024
Ni-Cr-Mo Bolting Material UNS N06059, ASTM F468-06	2588
Ni-Cr-Mo-Cu Alloy UNS N06235	3058
Nickel-Iron-Chromium-Molybdenum-Copper Low Carbon Alloy (UNS N08926) for Code Construction	2120
Omission of Lifting Device Requirements for Pressure Relief Valves on Air, Water Over 140°F (60°C), or Steam Service ..	2203
Parallel Plate Explosion Welding for Butt Joints Between Dissimilar Metals	2493
Pneumatic Test	2407
Pneumatic Testing of Pressure Vessels, U-1(j), UM Vessels	2527
Pneumatic Testing of Pressure Vessels, UG-20	2055
Precipitation-Hardening Ni-Cr-Mo Alloy (UNS N07725)	2217

Subject	Case
Section VIII, Division 1 Pressure Vessels (Cont'd)	
Precipitation-Hardening Nickel Alloy (UNS N07718) Used as Pressure Retaining Component Material	2222
Qualification of Partial-Penetration Groove Welds Using Laser or Electron Beam Welding	2868
Qualification of Welding Procedures for High Frequency Induction Longitudinal Butt Welds in Tube Construction	2971
Radiographic Requirements for SA-612 Steel Plate	2377
Removal of Nameplate With Certification Mark from Prefabricated or Preformed Parts	2825
SA-182, SA-240, SA-479, SA-789, SA-790, and SA-815 21Cr-5Mn-1.5Ni-Cu-N (UNS S32101) Austenitic-Ferritic Duplex Stainless Steel	2418
SA-240/SA-240M, UNS S43035 Plate	2758
SA-240/SA-240M, UNS S43932 Plate	2788
SA-453, Grade 660, Class C, High Temperature Bolting Materials With Expansion Coefficients Comparable to Austenitic Steels ..	2610
SA-736/SA-736M Plates and ASTM A859/A859M-95 Forgings ..	1932
SA-995, UNS J92205, (CD3MN), Austenitic/Ferritic Duplex Stainless Steel	2402
SA/EN 10025-2 Steel Grades S235J2, S275J2, and S355J2	2811
SB-407 UNS N06811, 42Ni-29Cr-28Fe-Mo-N, Seamless Pipes and Tubes	2518
Single Fillet Lap Joint for Heat Exchanger Tube Welds	2421
Single Fillet Lap Joints in the Shell of a Shell-and-Tube Heat Exchanger	2334
Solution Annealed Ni-Cr-Mo UNS N06058 Alloy Wrought Fittings, Forgings, Bar, Plate, Sheet, Strip, Welded Pipe, Seamless Pipe and Tube, and Welded Tube for Class 1	2983
Solution Annealed Ni-Fe-Cr-Mo-Cu Low Carbon Alloy (UNS N08034) Wrought Fittings, Forgings, Bar, Plate, Sheet, Strip, Welded Pipe, Seamless Pipe and Tube, and Welded Tube for Class 1	2991
Solution Annealed Ni-24Fe-23Cr-6Mo-3Cu, UNS N06845, Seamless Pipe and Tube, Plate, Sheet, Strip, Rod, and Bar	2794
Solution Annealed Ni-44Cr-1Mo (UNS N06044) for Plate-Sheet-Strip, Seamless and Welded Fittings, Seamless Pipe and Tube, Forgings, Welded Pipe, Welded Tube and Rod	3006
Spherical Intermediate Head or End Closure Without Straight Flange	2712
Strength of Aluminum Brazed Joints Up to 400°F	2350
Supply of Dimpled or Embossed Panels in the Unpillowed Condition	2909
Tack Welds on Heat Transfer Plates Left In-Place Without Qualification, UW-31(c)	3000
Testing of Vessels Containing an Internal Piston	2608
Thermo-Mechanical Control Processed 7% Ni Steel Plate	2750
Titanium Aluminum Alloy, ASTM B367-08b, Ti 3Al-2.5V or Ti 3Al-2.5V-0.05Pd Castings	2631
Titanium Nickel Molybdenum Alloy (Ti 0.8Ni-0.3Mo), Grade C-12 Castings	2641
Titanium Nickel-Molybdenum Ruthenium Alloy, Ti-0.8Ni-0.3Mo-0.1Ru	2426
Tolerance for Formed Heads for External Pressure Design Conditions	2544
Type 304LN (Alloy UNS S30453) Austenitic Stainless Steel	2127
UNS J93380 (CD3MWCuN)	2244
UNS N06696 Seamless Pipe, Tube, and Plate	2652
UNS S31266, 24Cr-22Ni-6Mo-2W-Cu-N Super Austenitic Stainless Steel (Class 2)	2831
Use of 1Cr- $\frac{1}{2}$ Mo Seamless Pipe for Pressure Purposes	2926

Subject	Case
Section VIII, Division 1 Pressure Vessels (Cont'd)	
Use of 1.15Ni-0.65Cu-Mo-Cb (UNS K21001) High-Strength Low-Alloy Steel Seamless Pipes and Tubes, Flat Products, Forgings, and Fittings	3037
Use of 17Cr-4Ni-4Cu (UNS S17400) Condition H1150D or H1150M	2784
Use of 52Ni-22Cr-13Co-9Mo (UNS N06617), Annealed Bolting Materials for Pressure Vessels	2776
Use of 57Ni-22Cr-14W-2Mo-La (UNS N06230), Solution-Annealed Bolting Materials for Pressure Vessels ...	2775
Use of 304L Stainless Steel at Elevated Temperatures	2224
Use of 316L Stainless Steel at Elevated Temperatures	2577
Use of A213/A213M-04 UNS S31060 Austenitic Stainless Steel Seamless Tubing and A240/A240M-04a ^{e1} UNS S31060 Austenitic Stainless Steel Plate	2430
Use of Acoustic Emission Examination in Lieu of Radiography .	1968
Use of Alternative Category B Weld Design	3068
Use of Appendix 23 for External Pressure Design of Copper and Copper Alloy Condenser and Heat Exchanger Tubes With Integral Fins at Elevated Temperatures	2686
Use of ASME B16.47-2020 in Lieu of ASME B16.47-2017	3043
Use of ASME B16.5-2020 in Lieu of ASME B16.5-2017	3042
Use of ASME B31.3, Appendix L Aluminum Pipe Flanges	2905
Use of ASTM A106/A106M-08 as SA-106/SA-106M	2663
Use of ASTM A234/A234M Butt Weld Elbows, Grade WPB	2830
Use of ASTM A312/A312M-16a Through 18a in Welded Construction in Lieu of SA-312/SA-312M for Grades TP316, TP316H, TP316N, and TP316LN	3015
Use of ASTM A372/A372M-16, Grade N, Classes 100 and 120 and Grade P, Classes 100 and 120	2892
Use of ASTM A414/A414M-07	2619
Use of Automated Ultrasound Leak Detection System in Lieu of Visual Inspections Required by UG-100(d)	2324
Use of Carbon and Low Alloy Steel Plate, AS 1548-2008 Grades PT430N/PT430NR, PT460N/PT460NR, and PT490N/PT490NR	2645
Use of Carbon Steel Pipe Without Requiring Bend or Pressure Testing	3047
Use of Compound Material to Produce Tubes, Part UIG	3041
Use of EN 10216-3:2013, Grade P460NL1, Fine-Grain Seamless Steel Tubes	2990
Use of EN 10216-3:2013, Grade P690QL2, Fine-Grain Seamless Steel Tubes; and EN 10028-6:2017, Grade P690QL2 Fine-Grain Flat Products	3052
Use of Existing Nameplates in Inventory for Construction	2979
Use of Furnace Brazing for Lethal Service	2249
Use of Hot-Isostatically Pressed Pure Isotropic Molybdenum ...	3063
Use of Material Test Report Mechanical Properties to Calculate the MAWP of Vessel or Component by Proof Testing in Accordance With UG-101(m)(2)	3065
Use of Ni-Al Bronze C95820 Sand Castings for Pressure Vessels	2230
Use of Noncode Pressure Relief Valves	2675
Use of Permanent Mold Cast Aluminum Alloys UNS A13560 and A03570	2239
Use of PFA Tubing Material for Flue Gas Heat Exchanger Tubes	2837
Use of PTFE Tubing Material for Flue Gas Heat Exchanger Tubes	2795
Use of Resistance Longitudinal Butt Welds for Cylinders	2777
Use of SA-193/SA-193M Grade B16 Bolting in Diameters Larger Than 7 in. (175 mm)	2754
Use of SA-268 Ferritic Stainless Steel Welded Tubing, TP430 Ti, UNS S43036	2419

Subject	Case
Section VIII, Division 1 Pressure Vessels (Cont'd)	
Use of SA-372 Grade E Class 55, Grade J Class 55, and Grade F, G, and H Class 55 and 65 Forgings, Quenched and Tempered ..	2300
Use of SA-705 Type 630 Forgings (UNS S17400) and SA-693 Type 630 Plate (UNS S17400)	2223
Use of SA/EN 10028-2, Grades P235GH and P265GH Steel	2498
Use of SA/IS 2062, Grades E250A, E250BR, E250B0, and E250C, Hot-Rolled Medium- and High-Tensile Strength Structural Steel Plates	3066
Use of SB-209 Alloys 5083, 5052, and 6061 Aluminum Flat Plates in Accordance with UG-93(d)(3) and (d)(4) for the Production of Heat Exchanger Components	3005
Use of SB-584 UNS C87500 Castings	3012
Use of Sintered Silicon Carbide (S-SiC) for Pressure Boundary Parts for Frame-and-Plate-Type Pressure Vessels	2867
Use of Types 308LSi and 316LSi Weld Filler Metals at MDMT Colder Than -320°F (-196°C)	3064
Use of UNS S82011 Stainless Steel	2735
Use of Welded UNS N02200, N02201, and N04400 Alloy Pipe and Tube	2767
Vessel (Production) Impact Tests for Welded Construction of Austenitic Stainless Steels	2704
Waiver of Production Impact Testing For Category B Welded Joints	3022
Waiver of UW-9(h)(4) Rules	3034
Waiver of Weld Joint Examination for Pneumatically Tested Braze Plate-Type Heat Exchangers That Have Been Previously Hydrostatically Tested	2774
Welded Austenitic Stainless Steel Condenser and Heat Exchanger Tubes With Textured Surfaces	2877
Welding of Aluminum Alloy Tube-to-Tubesheet Joints by Friction Stir Welding (FSW) Process	2677
Welding of Tubes to Tubesheets by Deformation Resistance Welding (DRW) Process	2463
Section VIII, Division 2 Pressure Vessels (Alternative Rules)	
3 Chromium-1 Molybdenum- ¹ / ₄ Vanadium-Columbium-Calcium Alloy Steel Plates and Forgings for Class 2	2151
7% Ni Thermo-Mechanical Control Processed Steel Plate for Cryogenic Applications for Class 2	2737
22Cr-5Ni-3Mo-N (UNS S31803) Use to 600°F (316°C) for Class 2	2727
25Cr-7Ni-4Mo-N (UNS S32750) Austenitic-Ferritic Stainless Steel for Class 2	2740
25Cr-22Ni-2Mo-N, UNS S31050, Austenitic Stainless Steel Forgings	2038
27Cr-7.6Ni-1Mo-2.3W-N UNS S32808, Solution Annealed Austenitic-Ferritic Duplex Stainless Steel Plate, Seamless Tubing, Seamless Pipe, Forgings, and Bar for Class 2	2496
29Cr-6.5Ni-2Mo-N Austenitic-Ferritic Stainless Steel, UNS S32906 Hot Isostatically-Pressed Material (Class 2)	2840
30Cr-7Ni-3.5Mo-N, UNS S83071, Austenitic-Ferritic Stainless Steel	2914
35Ni-30Fe-27Cr-6.5Mo-N Nickel Alloy, UNS N08935	2982
Allowable Compressive Stress in the Time-Dependent Regime .	3029
Allowable Stresses and Design Stress Intensities for Bolting Materials Listed in Both Tables 3 and 4 of Section II, Part D .	2730
Alternative Diameter-To-Thickness Ratios for Spherical and Formed Heads With Openings	2739
Alternative Flaw Evaluation and Acceptance Criteria for Subsurface Flaw Near Component Surface for Class 1 and Class 2	2958

Subject	Case
Section VIII, Division 2	
Pressure Vessels (Alternative Rules) (Cont'd)	
Alternative Minimum Test Temperature for Hydrostatic Testing	2718
Alternative Requirements for Certifying Engineer Qualification	3036
Alternative Rules for Para. 4.17 When Controlled Bolting Is Used	2659
Alternative Rules for the Design of U-Tube Tubesheets, Configurations a and e	2965
Alternative Set Pressure Testing of Pilot-Operated Pressure Relief Valves	3057
Alternative Welding Operator Performance Weld Qualification Test	2757
Analysis of Class 2 Components in the Time-Dependent Regime	2843
Composite Pressure Vessel Consisting of Inner Steel Layered Shell and Outer Reinforced and Prestressed Concrete Shell for Hydrogen Service for Class 2	2949
Corrected Forming Strain Equation, Table 6.1	2804
Design of Components in the Time-Dependent Regime Using Isochronous Stress-Strain Method for Class 2 Components	3060
Design of Hubless Integral Flanges Using Part 4.16	2833
Elevated Temperature Design of Bolting	2655
Evaluation of External Loads on Welding Neck Flanges Covered by Section VIII, Division 1, UG-44(b), (i), and (j); or Section VIII, Division 2, 4.1.11.1(a) and (g), and 4.1.11.3	2901
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for 63Ni-22Mo-15Cr Alloy (UNS N10362) Filler Metal	2653
F-Number Grouping for Cr-Fe-Ni-Mo-Cu, Classification UNS R20033 Filler Metal	2473
F-Number Grouping for Ni-Cr-Fe Filler Metals	2142
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Electrode	2734
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Filler Metal	2733
Fatigue Evaluation for Class 2 Parts Constructed With SA-182 F22V; SA-336 F22V; SA-541 22V; SA-542 Type D, Class 4a; and SA-832 Grade 22V at Temperatures Greater Than 371°C (700°F) and Less Than or Equal to 482°C (900°F)	2605
Fatigue Evaluation for Class 2 Parts Constructed With SA-182/ SA-182M F91, SA-213/SA-213M T91, SA-335/SA-335M P91, SA-336/SA-336M F91, and SA-387/SA-387M 91 Class 2 at Temperatures Greater Than 371°C (700°F) and Less Than or Equal to 500°C (932°F)	2822
Full-Strength and Partial-Strength Inset Tube-to-Tubesheet Welds	2942
Heat-Affected Zone Impact Testing in Weld Procedure Qualification, Para. 3.11.8.2(c)	2924
Hillside Nozzle in Spherical Shell or Hemispherical Head in 4.5.11	2834
Impact Testing of SA-540/SA-540M, Grade B23, Class 3 Bolting	2821
Implementation of Changes in Division 1, 31-4 (a) and (b) and Division 2, 3.4.4.1 and 3.4.4.2	2844
Implementing in Parts 4 and 5 the Changes in ASCE/SEI 7-10, Paras. 2.3.2 and 2.4.1 for Wind Load Factors	2679
Induction Kinetic Welding	2799
Intermodal Transport Tanks (UN T50 Portable Tanks) for Class 2	2624
Laser Measurement for Out-of-Roundness	2789
Low Power Density Laser Beam Welding	2827
Manufacturer's Data Reports	2738

Subject	Case
Section VIII, Division 2	
Pressure Vessels (Alternative Rules) (Cont'd)	
Material of Minor Attachments Welded Directly to Pressure Parts Made of Q&T Steels Covered by Table UHT-23 of Division 1 and Table 3-A.2 of Division 2	2865
Method for Basing Design Values on Material Properties Affirmed by Material Manufacturers	2556
Omission of Lifting Device Requirements for Pressure Relief Valves on Air, Water Over 140°F (60°C), or Steam Service	2203
Other Recognized Standards for Definition of Wind and Earthquake Loading in Lieu of ASCE/SEI 7	2680
Parallel Plate Explosion Welding for Butt Joints Between Dissimilar Metals	2493
Precipitation-Hardening Ni-Cr-Mo Alloy (UNS N07725)	2217
Precipitation-Hardening Nickel Alloy (UNS N07718) Used as Pressure Retaining Component Material	2222
Qualification of Partial-Penetration Groove Welds Using Laser or Electron Beam Welding	2868
Rules for Calculating Maximum Permissible Gaps for Layered Vessels in 4.13.12.3	2806
SA-453, Grade 660, Class C, High Temperature Bolting Materials With Expansion Coefficients Comparable to Austenitic Steels	2610
SA-487/SA-487M Grade CA6NM Class A	2998
SA-736/SA-736M Plates and ASTM A859/A859M-95 Forgings	1932
Solution Annealed Ni-Cr-Mo UNS N06058 Alloy Wrought Fittings, Forgings, Bar, Plate, Sheet, Strip, Welded Pipe, Seamless Pipe and Tube, and Welded Tube for Class 1	2983
Solution Annealed Ni-Fe-Cr-Mo-Cu Low Carbon Alloy (UNS N08034) Wrought Fittings, Forgings, Bar, Plate, Sheet, Strip, Welded Pipe, Seamless Pipe and Tube, and Welded Tube for Class 1	2991
Spherical Intermediate Head or End Closure Without Straight Flange	2712
Time-Dependent Allowable Stresses for Class 1 Vessel Materials Listed in Table 2A or Table 2B of Section II, Part D	2943
Tolerance for External Pressure Design Conditions	2673
Unalloyed and Palladium or Ruthenium Enhanced Titanium H Grades With 400 MPa (58 ksi) Minimum UTS, UNS R50400, UNS R52400, UNS R52402, and UNS R52404	3059
UNS S31254 and UNS N08904 Austenitic Stainless Steel Plate, Sheet, and Strip	2808
UNS S31266, 24Cr-22Ni-6Mo-2W-Cu-N Super Austenitic Stainless Steel (Class 2)	2831
Use of 9Ni, 8Ni, and 5Ni-1/4Mo Materials in Welded Condition for Class 2 Construction	2681
Use of 15Cr-5Ni-3Cu (UNS S15500)	2416
Use of AS 1548-2008 Grades PT430N/PT430NR, PT460N/ PT460NR, PT490N/PT490NR for Class 2	2711
Use of ASME B16.47-2020 in Lieu of ASME B16.47-2017	3043
Use of ASME B16.5-2020 in Lieu of ASME B16.5-2017	3042
Use of ASTM A106/A106M-08 as SA-106/SA-106M	2663
Use of ASTM A372/A372M-16, Grade N, Classes 100 and 120 and Grade P, Classes 100 and 120 for Class 2 Vessels	2939
Use of EN 10216-3:2013, Grade P690QL2, Fine-Grain Seamless Steel Tubes; and EN 10028-6:2017, Grade P690QL2 Fine-Grain Flat Products	3052
Use of EN 10222-2:1999, Grade 18MnMoNi5-5, Steel Forgings for Class 2	2749
Use of Fatigue Analysis Screening, Method A For Vessels Made of 1.25Cr-0.5Mo-Si and 2.25Cr-1Mo Steels	2630
Use of Hot-Isostatically Pressed Pure Isotropic Molybdenum	3063

Subject	Case
Section VIII, Division 2	
Pressure Vessels (Alternative Rules) (Cont'd)	
Use of Nickel-Chromium-Molybdenum-Columbium Alloy UNS N06625 for Class 2	2468
Use of Resistance Longitudinal Butt Welds for Cylinders	2777
Use of SA-193/SA-193M Grade B16 Bolting in Diameters Larger Than 7 in. (175 mm)	2754
Use of SA-336/SA-336M Class F91 for Class 2	2815
Use of SA-705 Type 630 Forgings (UNS S17400) and SA-693 Type 630 Plate (UNS S17400)	2223
Use of SA/EN 10028-2, Grade 13CrMoSi5-5+QT Steels for Class 2	2674
Use of SA/EN 10028-2, Grade 20MnMoNi4-5, Quenched and Tempered Steel Plate for Class 2	2748
Use of SA/EN 10028-3, Grade P460NL1, Fine Grain Normalized Steel Plates for Class 2	2594
Use of SA/EN 10028-3, Grade P355N, Fine Grain Normalized Steel Plates	2611
Use of SB-247, 6061-T6 Aluminum Alloy for Class 2	2478
Use of SB-564 Nickel-Iron-Chromium-Molybdenum-Copper Alloy UNS N08825 Forgings for Class 2	2728
Section VIII, Division 3	
High Pressure Vessels	
Alternative Flaw Evaluation and Acceptance Criteria for Subsurface Flaw Near Component Surface	2956
Alternative Welding Operator Performance Weld Qualification Test	2757
Aluminum Alloy, UNS A96061 Temper T6 and UNS A96061 Temper T651	2563
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for 63Ni-22Mo-15Cr Alloy (UNS N10362) Filler Metal	2653
F-Number Grouping for Cr-Fe-Ni-Mo-Cu, Classification UNS R20033 Filler Metal	2473
F-Number Grouping for Ni-Cr-Fe Filler Metals	2142
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Electrode	2734
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Filler Metal	2733
Hydrogen Crack Growth Rate Constants, Threshold Stress Intensity Factor K_{IH} , and Critical Crack Size Requirements for SA-372 and SA-723 Steels	2938
KE-112.1 References to Section V, T-120	2981
Manufacture of a Hoop-Wrapped, Wire-Reinforced Cylindrical Pressure Vessel	2836
Manufacturer's Data Reports	2738
Material Requirements for Valve Stems for Use With Power-Actuated Pressure Relief Systems	2797
Maximum Dynamic Pressure During Vented Deflagration for Vessels in Low Density Polyethylene Service	2701
Method for Basing Design Values on Material Properties Affirmed by Material Manufacturers	2556
Permit Testing a Single Forging to Represent Several Thicknesses	2597
Precipitation-Hardening Ni-Cr-Mo Alloy (UNS N07725)	2217
Qualification of Partial-Penetration Groove Welds Using Laser or Electron Beam Welding	2868
Replacement Parts for Pressure Vessels	2678
SA-736/SA-736M Plates and ASTM A859/A859M-95 Forgings ..	1932
SA-738/SA-738M, Grade E Steel Plates	2771

Subject	Case
Section VIII, Division 3	
High Pressure Vessels (Cont'd)	
Steam Cleaning of High-Pressure Vessels	2932
Use of ASME B16.5-2020 in Lieu of ASME B16.5-2017	3042
Use of ASTM A106/A106M-08 as SA-106/SA-106M	2663
Use of ASTM A313/A313M-18, UNS S30151 With a Rectangular Cross-Section	3040
Use of ASTM A372/A372M-16, Grade J, Class 110 With Addition of 5 ppm to 20 ppm Boron	2936
Use of ASTM A372/A372M-16, Grade N, Classes 100 and 120 and Grade P, Classes 100 and 120	2907
Use of Chromium-Silicon Alloy Steel Wire ASTM A401/A401M UNS G92540	2516
Use of Chromium-Silicon Alloy Steel Wire ASTM A401/A401M-03 UNS G92540	2609
Use of Chromium-Silicon Alloy Steel Wire for Pressure Vessel Winding	2461
Use of Eddy Current for Surface Examination	3070
Use of EN 10083-3:2006, Steel Name 34CrMo4+QT (Steel Number 1.7220+QT)	3050
Use of High Strength Low Alloy Steel Castings	2698
Use of Round Steel Wire	2847
Use of SA-182 F22V, SA-336 F22V, SA-541 22V, SA-542 Type D, Class 4a, and SA-832 22V to 850°F (454°C)	2514
Use of SA-372/SA-372M, Grade M, Class 85, Alloy Steel Forgings for Thin-Walled Pressure Vessels	3032
Use of SA-693, Grades 630 and XM-12, Classes H1150, H1100, H1075, and H1025	2910
Use of SA-705/SA-705M, Type XM-12, Condition H1025 for Primary Pressure Boundary Components in Contact With Water or Aqueous Solution	2793
Use of SA-705/SA-705M, XM-12, Condition H1025 for Yoke-Supported End Plugs	2759
Use of SA-723/SA-723M Forgings, SA-705/SA-705M Forgings, and SA-564/SA-564M Bar for Bolting	2661
Use of Taper Pipe Threads	3053
Use of Type XM-12, Condition H900 Material With a Reduced Tensile Strength	2790
Section IX	
Welding, Brazing, and Fusing Qualifications	
Alternative Welding Operator Performance Weld Qualification Test	2757
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for 57Ni-30Cr-9Fe-1.8Nb Filler Metal (UNS N06043)	2660
F-Number Grouping for 63Ni-22Mo-15Cr Alloy (UNS N10362) Filler Metal	2653
F-Number Grouping for Co-26Cr-9Ni-5Mo-3Fe-2W Alloy (UNS R31233) Filler Metal	2969
F-Number Grouping for Cr-Fe-Ni-Mo-Cu, Classification UNS R20033 Filler Metal	2473
F-Number Grouping for Ni-Cr-Fe Filler Metals	2142
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Electrode	2734
F-Number Grouping for Ni-Fe-Cr, Classification UNS N08087 Welding Filler Metal	2733
Induction Kinetic Welding	2799
Instrumented Indentation Testing as Alternative Hardness Test for QW-290 Temper Bead Welding	2703

Subject	Case
Section IX	
Welding, Brazing, and Fusing Qualifications (Cont'd)	
Low Power Density Laser Beam Welding	2827
Low-Energy Capacitor Discharge Welding.....	2884
NDE Personnel Qualification and Certification Requirements...	2838
Parallel Plate Explosion Welding for Butt Joints Between Dissimilar Metals	2493
Pin Brazing	2866
Qualification of Gas Metal Arc Additive Manufacturing (GMAAM) Procedures	3020
Qualification of Partial and Full Penetration Corner Joints Using Laser Beam Welding.....	3003
Qualification of Partial-Penetration Groove Welds Using Laser or Electron Beam Welding	2868
Qualification of Welding Procedures for High Frequency Induction Longitudinal Butt Welds in Tube Construction	2971
Substitution of Base Metals for Weld Metal Overlay	2897
Use of Additively Manufactured Base Metal for Welding Procedure Qualifications	3016
Use of Explosion Welding Process for Tube Plugging	3002
Use of Metric Units	2523
Use of Resistance Longitudinal Butt Welds for Cylinders	2777
WPS Qualification for Friction Taper Hydro Pillar (FTHP) Welding	2832
Section X	
Fiber-Reinforced Plastic Pressure Vessels	
Alternative Fiber for Class 1 Fabrication.....	2918
Alternative Set Pressure Testing of Pilot-Operated Pressure Relief Valves	3057
Application of the ASME Certification Mark	2710
Article RT-5, Hydrostatic Testing Procedure and Equipment for Class I, Class II, and Class III Pressure Vessels	3039
Class III Composite Pressure Vessels Maximum Design Temperature	2853
Composite Class III Pressure Vessel Batch Cycle Testing	2743
Composite Class III Pressure Vessel Lower Cycle Pressure Limit	2742
Composite Pressure Vessel Analysis.....	2744
Composite Pressure Vessel Nozzle Design Change	2747
Composite Pressure Vessel Pressurization Rate	2746
Composite Pressure Vessels for High Pressure Fluids in Accordance With Mandatory Appendix 8	2820
Composite Pressure Vessels for High-Pressure Fluids	2745
Equivalent Pressure Cycling for Composite Pressure Vessels for High Pressure Fluids	2970
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Fabrication of Class I Vessels With Metallic Nozzles Not Meeting Minimum Wall Thickness Requirements	2729
Frequency of Determination of Weight of Resin and Fiber	2920
Increasing Maximum Design Pressure Limitation for Class I Filament Wound Pressure Vessels From 1,500 psi to 2,000 psi	3017
Materials for Bodies, Bonnets, Yokes, Housings, and Holders of Pressure Relief Devices	1750
RT-310(a), Frequency of Cyclic Pressure and Qualification Pressure Tests	3055
Use of Lap Joint Flanges for Nozzles, Manways, and Body Flanges for Installation on Class II Equipment	2974
Use of Method A as the Only Design Basis for Class II Vessels ..	2683
Use of Metric Units	2523
Vessel Weight Requirements for Class I Vessels	2975
Volumetric Expansion Tests	2919

Subject	Case
Section XII	
Transport Tanks	
7% Ni Thermo-Mechanical Control Processed Steel Plate for Cryogenic and Ambient Temperature Applications	2879
Alternative Method to Area Replacement Rules for Openings Under Internal Pressure.....	2554
Application of the ASME Certification Mark	2710
EN 10028-7 and SA-240/SA-240M Austenitic Stainless Steel Plates for Cryogenic Applications	2857
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Materials for Bodies, Bonnets, Yokes, Housings, and Holders of Pressure Relief Devices	1750
NDE Level III Personnel Certified Prior to 2004.....	2878
Revised Data Report Forms.....	2705
Spherical Intermediate Head or End Closure Without Straight Flange	2921
Use of ASTM A106/A106M-08 as SA-106/SA-106M	2663
Use of Metric Units	2523
Section XIII	
Rules for Overpressure Protection	
Alternative Set Pressure Testing of Pilot-Operated Pressure Relief Valves	3057
Multiple Marking of Certified Capacities for Pressure-Relief Valves	2787
Omission of Lifting Device Requirements for Pressure Relief Valves on Air, Water Over 140°F (60°C), or Steam Service...	2203
Use of Abbreviations in Lieu of Company Name or Identifying Trademark on Pressure Relief Devices	3069
Section III — Division 1	
Rules for Construction of Nuclear Facility Components	
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
Section III — Division 2	
Code For Concrete Containments	
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
Section III — Division 3	
Containment Systems for Transportation and Storage of Spent Nuclear Fuel and High Level Radioactive Material and Waste	
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
Section III — Division 5	
High Temperature Reactors	
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
Section XI, Division 1	
Rules for Inservice Inspection of Nuclear Power Plant Components	
Extension of Joining Personnel's Qualification Continuity	2996
F-Number Grouping for 9Cr-1Mo-V FCAW Consumable	2297
F-Number Grouping for Ni-Cr-Fe, Classification UNS W86152 and UNS W86056 Welding Electrodes	2143
B31	
Code for Pressure Piping	
Extension of Joining Personnel's Qualification Continuity	2996

INDEX OF MATERIAL SPECIFICATIONS REFERRED TO IN CASES (23)

Subject	Case	Subject	Case
ASME Specification		ASME Specification (Cont'd)	
SA-20/SA-20M	2674, 2748, 2749, 3022	SA-302	2576
SA-36/SA-36M	2929	SA-312/SA-312M	2127, 2146, 2195, 2196, 2224, 2304, 2445, 2458, 2577, 2591, 2617, 2634, , 2688, 2752, 2753, 2786, 2831, 2849, 2984, 2988
SA-53/SA-53M	3047	SA-320/SA-320M	2821
SA-105	1876, 2624, 2697, 2956, 2958	SA-333	2681
SA-106/SA-106M	1876, 2494, 2624, 2663	SA-334 Grade 8	2344, 2681
SA-181	1876, 2697	SA-335/SA-335M	1876, 2179, 2180, 2199, 2327, 2353, 2440, 2630, 2770, 2781, 2822, 2839, 2864, 2890, 2958, 3001, 3007, 3037, 3048
SA-182/SA-182M	1876, 2038, 2127, 2146, 2151, 2179, 2180, 2195, 2196, 2199, 2224, 2304, 2327, 2418, 2445, 2458, 2514, 2577, 2605, 2617, 2630, 2697, 2727, 2740, 2786, 2815, 2822, 2831, 2839, 2864, 2890, 2930, 2931, 2956, 2958, 2984, 3037, 3038, 3048	SA-336/SA-336M	1876, 2151, 2179, 2180, 2327, 2514, 2577, 2605, 2630, 2815, 2822, 2864, 2956, 2958
SA-193/SA-193M	2445, 2754, 2901	SA-350	2606, 2624, 2956, 2958
SA-194	2445	SA-351	1750
SA-210	1876	SA-352	1750
SA-213/SA-213M	1876, 2127, 2146, 2179, 2180, 2196, 2199, 2224, 2304, 2327, 2353, 2458, 2512, 2540, 2577, 2581, 2591, 2598, 2630, 2639, 2687, 2688, 2723, 2724, 2752, 2753, 2755, 2781, 2786, 2822, 2831, 2839, 2864, 2890, 2984, 3001, 3007, 3037, 3038, 3048, 3061	SA-358	2445, 2617, 2831, 2984
SA-216/SA-216M	1876	SA-369	2179, 2327, 2864, 2890, 3048
SA-217	1876, 2192	SA-370	2563, 2792, 2847
SA-234	2179, 2180, 2327, 2630, 2697, 2830, 2864, 2890, 3048	SA-372	2016, 2300, 2892, 2926, 2936, 2938, 3032
SA-240/SA-240M	2127, 2146, 2195, 2196, 2197, 2224, 2304, 2345, 2418, 2427, 2445, 2458, 2496, 2571, 2577, 2596, 2603, 2617, 2620, 2634, 2643, 2688, 2696, 2707, 2708, 2722, 2724, 2727, 2735, 2740, 2758, 2761, 2778, 2786, 2788, 2808, 2823, 2831, 2857, 2860, 2861, 2871, 2872, 2875, 2894, 2895, 2930, 2946, 2984, 2985, 3027, 3030, 3038	SA-376	2127, 2146
SA-249/SA-249M	2146, 2195, 2224, 2304, 2445, 2458, 2577, 2617, 2688, 2724, 2786, 2831, 2877, 2894, 2895	SA-387/SA-387M	2576, 2630, 2822, 2864, 2890, 2956, 2958, 3048
SA-266	1876, 2928, 2958	SA-403	2146, 2195, 2196, 2224, 2304, 2315, 2445, 2577, 2617, 2634, 2831, 2984, 3038
SA-268/SA-268M	2419, 2666, 2668, 2722, 2724, 2788, 3014, 3027	SA-409	2146, 2445, 2617
SA-278 Grades 20, 25, 30, and 35	1849	SA-414/SA-414M	2619
SA-299/SA-299M	2576, 2624	SA-420	2607, 2681
		SA-423	2494
		SA-426	2192
		SA-450	2494
		SA-453	2610
		SA-479	2127, 2146, 2224, 2304, 2418, 2445, 2458, 2577, 2617, 2786, 2831, 2984, 3038
		SA-484/SA-484M	2496
		SA-487/SA-487M	2073, 2998
		SA-508	2151, 2489, 2630, 2956, 2958
		SA-516/SA-516M	2576, 2624, 2956, 2958
		SA-530/SA-530M	3022, 3050
		SA-540/SA-540M	2821
		SA-541	2151, 2514, 2605, 2630, 2956, 2958
		SA-542	2151, 2514, 2605, 2630, 2956, 2958
		SA-553	2736
		SA-564/SA-564M	2661, 2784
		SA-578	2712, 2921

Subject	Case	Subject	Case
ASME Specification (Cont'd)		ASME Specification (Cont'd)	
SA-609/SA-609M	2698	SB-315	1750
SA-612	2377, 2624	SB-338	2426, 2824, 3059
SA-645	2681	SB-348	2426, 3059
SA-675	1750, 2929	SB-363	2426, 2634, 3059
SA-693	2223, 2910	SB-366	1924, 2063, 2120, 2226, 2249, 2276, 2359, 2385, 2481, 2665, 2672, 2693, 2697, 2702, 2810, 2973, 3006
SA-703/SA-703M	2192, 2698, 3049	SB-367	1993, 2641, 2717
SA-705/SA-705M Type 630	2223, 2661	SB-381	2426, 3059
SA-705/SA-705M Type XM-12	2281, 2416, 2661, 2759, 2790, 2793	SB-407	1325, 2357, 2518, 2672
SA-705/SA-705M Type XM-13	2661	SB-408	1325, 2672
SA-723/SA-723M	2661, 2938	SB-409	1325, 2672
SA-736/SA-736M	1932	SB-423	1936
SA-738/SA-738M	2771, 2956, 2958	SB-424	1936, 2728, 2794
SA-765	2956	SB-425	1936
SA-789/SA-789M	2418, 2496, 2586, 2603, 2620, 2643, 2727, 2735, 2740, 2761, 2778, 2823	SB-435	2063, 2385, 2665
SA-790	2418, 2586, 2603, 2620, 2643, 2666, 2727, 2735, 2740, 2761, 2778, 2823	SB-443	1935, 2217, 2276, 2468, 2632
SA-813	2445, 2617, 2831	SB-444	1935, 2217, 2468
SA-814	2445, 2617	SB-446	1935, 2217, 2468, 2916
SA-815	2418, 2697	SB-462	2120, 2481, 2359, 2693, 2697, 2810, 2973
SA-832	2151, 2514, 2605, 2956, 2958	SB-514	2672
SA-841	2737, 2750	SB-515	1325, 2672
SA-905	2461, 2847	SB-516	2359, 2481
SA-965	2127, 2196, 2224	SB-517	2359, 2481
SA-995	1750, 2244, 2402	SB-543	2768
SA-1017/SA-1017M	2179, 2180, 2199, 2327, 3048	SB-551	2634
SA-1091	3048	SB-564	1949, 2063, 2217, 2226, 2359, 2385, 2468, 2481, 2665, 2672, 2693, 2702, 2728, 2775, 2776, 2810, 2930, 2973, 3006
SA/EN 10025-2	2811	SB-572	2063, 2385, 2702, 2775
SA/EN 10028-2	2498, 2674, 2748, 2779, 3037	SB-574	1924, 2226, 3006
SA/EN 10028-3	2594, 2611, 2624	SB-575	1924, 2226, 3006
SA/IS 2062	3066	SB-584	2706, 3012
SB-26	3016	SB-619	1924, 2063, 2226, 2385, 2665, 3006
SB-43	2172	SB-622	1924, 2063, 2226, 2385, 2665, 2702, 2756, 3006
SB-75	2791	SB-625	2120, 2585, 2808, 2982
SB-98	1750	SB-626	1924, 2063, 2226, 2385, 2665, 2756, 2792, 3006
SB-108	2239	SB-637	1993, 2222, 2916
SB-111	2768	SB-649	2120, 2585, 2982
SB-127	2767	SB-658	2634
SB-148	2618	SB-668	1325
SB-152	2859	SB-673	2120, 2585
SB-160	2249	SB-674	2120, 2585
SB-161	2249	SB-675	2693, 2810, 2973
SB-162	2249, 2767	SB-676	2693, 2810, 2973
SB-163	1325, 1827, 2249, 2357, 2359, 2982	SB-677	2120, 2585
SB-166	1827, 2359, 2481, 2776, 2916	SB-688	2693, 2810, 2973
SB-167	1827, 2359, 2481, 2629, 2809, 2916, 2923	SB-690	2693, 2810, 2973
SB-168	1827, 2359, 2481	SB-691	2693, 2810, 2916, 2973
SB-171	2928, 1750	SB-704	1936, 2276, 2632
SB-209	2432, 2563, 3005	SB-705	2276
SB-210	2432, 2563	SB-709	1325
SB-211	2432	SB-751	1936, 2792
SB-221	2432, 2563	SB-804	2810
SB-241/SB-241M	2432, 2628	SB-858	2881
SB-247	2478, 2616	SB-861	2426, 2634, 3059
SB-249	1750, 2881		
SB-265	2426, 2634, 3059		
SB-283	2791		
SB-308/SB-308M	2563		

Subject	Case	Subject	Case
ASME Specification (Cont'd)		ASTM Specification (Cont'd)	
SB-862	2426, 3059	B16	1750, 2881
SD-570	2613	B21	1750
SFA-5.5	2192, 2514, 2770, 2844	B26	3016
SFA-5.8	2688	B43	2172
SFA-5.9	2127, 2666, 2724	B85	1750
SFA-5.10	3016	B148-93a	2230
SFA-5.11	2681, 2736, 2737, 2752, 2753, 3049	B154	1750, 2881
SFA-5.14	2581, 2653, 2660, 2736, 2737, 2752, 2753, 3024, 3049, 3056	B163	2794
SFA-5.21	2969	B166	3058
SFA-5.23	2192, 2514, 2770, 2844	B167	2652, 2684, 3058
SFA-5.28	2192, 2514, 2770	B168	2652, 3058
SFA-5.29	2192, 2770	B176	1750
ASTM Specification		B211	1750
A29	1750	B247-02a	2616
A36/A36M	2949	B283	1750
A106/A106M	2663	B359/B359M	2987
A108	1750	B365	1750
A126	1750	B366/B366M	1924, 2983, 3024, 3056, 3058
A182/A182M	2496	B367	2631
A213/A213M	2430, 2639, 3061	B371	1750, 2880
A234/A234M	2830	B392	1750
A240/A240M	2430, 2636, 2780, 2903	B393	1750
A249/A249M	2903	B423	2794
A262	2930	B425	2794
A312/A312M	2903	B432	2928
A313/A313M	3040	B444-04	2520
A314	1750	B453	1750
A336/A336M	2179	B464	2120
A351/A351M	3049	B557	2563
A351 Grade CK3MCuN	1750	B564	2684, 2983, 2991
A358/A358M	2903	B574	2983
A372/A372M	2892, 2907, 2936, 2939	B575	2983
A401/A401M	2516, 2609	B581	2991
A414/A414M-07	2619	B584	1750
A479/A479M	2496, 2780	B619/B619M	2983, 2991, 3024, 3058
A480/A480M	2636	B622	2983, 2991
A494/A494M	1750	B625	2991
A563	2949	B626	2923, 2983, 2991, 3058
A576	1750, 2500	B637	2702, 3024, 3056
A582 Types 303 and 416	1750	B670	3024
A615/A615M	2949	B673	2120
A648/A648M	2949	B677	2120
A672-06	2576	B706	2782, 2783
A691-98	2576	B708	1750
A703	2192	B725	2767
A706/A706M	2949	B730	2767
A736M Grade A	1932	B752	2633
A744 Grade CK3MCuN	1750	B834	2916
A751	2461	B858	1750
A789	2780	B872	2702, 3056
A790	2496, 2780	B927	1750
A841/A841M	2736, 2879	B981	1750
A859M-95	1932	B983	2702, 3024, 3056
A988/A988M	2840, 2930	B1007	2702, 3024, 3056
A989/A989M	2770, 2931	C33/C33M	2949
A1017/A1017M	2179	C39/C39M	2949
A1032	2949	C143/C143M	2949
A1044/A1044M	2949	C150/C150M	2949
A1064/A1064M	2949	C172/C172M	2949
A1091/A1091M	2917	C192/C192M	2949
		C295/C295M	2949
		C311/C311M	2949
		C373	2867

Subject	Case
ASTM Specification (Cont'd)	
C494/C494M	2949
C618	2949
C881/C881M	2949
C1017/C1017M	2949
C1070	2867
C1077/C1077M	2949
C1218/C1218M	2949
C1260	2949
C1274	2867
C1499	2867
C1567	2949
D792	2795
D2000	2888
D2837	2795, 2837
D3295	2795
D3307	2837
D3350	2949
D4349	2411, 2725
D4895	2795
D6604	2853
D6867	2837
E8/E8M	3063
E21	3021
E29	3063
E45	2461
E112	2430, 2867
E208	3052
E290	3050
E338	2563
E399	3063
E438	2715
E527	2877
E602	2563
E647	3063
E1002	2324
E1820	2127, 2698, 3063
E2281	2725
E2546	2703
E2587	2725
E2930	2812, 2826, 3023
F486-06	2588
F844	2949
AWS Specification	
AWS B2.2/B2.2M	2763, 2765, 2801, 2802
A4.2	3064
A5.9	2473
A5.11/A5.11M	2143, 2734, 2798
A5.14	2142, 2733
A5.29	2297
B2.2/B2.2M	2763, 2765, 2801, 2802
International Specification	
AS 1548	2645, 2711
CGA V-1	3053
EN 515	2627, 2978
EN 573-3	2627, 2978
EN 755-1	2627, 2978
EN 755-2	2978
EN 1982	1750
EN 10002-1	2627
EN 10025-2	2720
EN 10028-1	3052

Subject	Case
International Specification (Cont'd)	
EN 10028-2	2779
EN 10028-3	2594, 2624
EN 10028-6	3052
EN 10028-7	2857
EN 10083-3	3050
EN 10088-2	2719
EN 10204	3050
EN 10216-3	2990, 3052
EN 10217-1	2721
EN 10222-1	2749
EN 10222-2	2749
EN 12164	1750
EN 12165	1750
ISO 2768	3063
ISO 9080	2795, 2837
ISO 9712	2838
ISO 11363-1	3053
ISO 17025	2795, 2837
ISO 21068-1	2867
ISO 21068-2	2867
ISO 21068-3	2867
JIS G 3459	2934, 2953, 2976
JIS G 3463	2801, 2802, 2933, 2960, 2989
JIS G 4305	2763, 2765, 2898, 2899, 2900
JIS Z 2241	2933, 2934, 2960, 2976, 2989
UNI 9006-1	2627

CHARTS FOR VESSELS UNDER EXTERNAL PRESSURE

Fig. 1/1M Chart for Determining Shell Thickness of Components Under External Pressure Developed for 47Ni-23Cr-23Fe-7W, UNS N06674	2684
Figs. 1/1M Chart for Determining Shell Thickness of Components Under External Pressure Developed for Titanium Grade 38, Ti 4Al-2.5V-1.5Fe	2717
Figs. 1/1M Chart for Determining Shell Thickness of Components Under External Pressure When Constructed of Alloy UNS S31060	2430
Figs. 1/1M Chart for Determining Shell Thickness of Components Under External Pressure When Constructed of Alloy UNS S31277	2458
Fig. 1 Chart for Determining Shell Thickness of Cylindrical and Spherical Vessels Under External Pressure When Constructed of Austenitic Stainless Steel UNS S34565	2146
Figs. 1/1M External Pressure Chart for 2 $\frac{1}{4}$ Cr-1Mo Steel Annealed at 1,000°F/538°C	2676
Figs. 1/1M External Pressure Chart for Stainless Steel Alloy UNS S30815 at 1,650°F (900°C)	2682
Figs. 1/1M External Pressure Chart for UNS N06845	2794
Figs. 1/1M External Pressure Chart Up To 1,800°F/982°C	2671
Figs. 1/1M External Pressure Design for Austenitic Stainless Steel 24Cr-17Ni-6Mn-4.5Mo-N (UNS S34565)	2831