

Standards Manager Web Standards List

AWS-American Welding Society

Id	Number	Title	Year	Organization	Page
1	A3.0M/A3.0	Standard Welding Terms and Definitions - Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying	2025	AWS	
2	A5.1/A5.1M	Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding	2025	AWS	
3	A5.02/A5.02M	Specification for Filler Metal Standard Sizes, Packaging, and Physical Attributes	2025	AWS	
4	B5.1	Specification for the Qualification of Welding Inspectors Data Pending per AWS	2025	AWS	
5	B5.4	Specification for the Qualification of Welder Test Facilities	2025	AWS	
6	B5.16	Specification for the Qualification of Welding Engineers	2025	AWS	
7	D10.4	Recommended Practices for Welding Austenitic Chromium-Nickel Stainless Steel Piping and Tubing R(2000)	2025	AWS	
8	A5.22/A5.22M	Specification for Stainless Steel Flux Cored and Metal Cored Welding Electrodes and Rods	2024	AWS	
9	A5.21/A5.21M	Specification for Bare Electrodes and Rods for Surfacing	2024	AWS	0
10	A5.14/A5.14M	Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods	2024	AWS	0
11	C3.11M/C3.11	Specification for Torch Soldering	2024	AWS	0
12	D17.1/D17.1M	Specification for Fusion Welding for Aerospace Applications	2024	AWS	0
13	A5.12M/A5.12	Specification for Tungsten and Oxide Dispersed Tungsten Electrodes for Arc Welding and Cutting (ISO 6848:2004 MOD)	2024	AWS	0
14	D14.0/D14.0M	Machinery and Equipment Welding Specification	2024	AWS	0
15	B2.1/B2.1M ERRATA	Specification for Welding Procedure and Performance Qualification	2023	AWS	0
16	A5.18/A5.18M	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding	2023	AWS	0
17	B2.4	Specification for Welding Procedure and Performance Qualification for Thermoplastics	2023	AWS	0
18	C2.19/C2.19M	Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair - 1st Edition	2023	AWS	0
19	A5.3/A5.3M	Specification for Aluminum and Aluminum Alloy Electrodes for Shielded Metal Arc Welding	2023	AWS	0
20	A5.16/A5.16M	Specification for Titanium and Titanium Alloy Welding Electrodes and Rods	2023	AWS	0
21	A5.24/A5.24M	Specification for Zirconium and Zirconium-Alloy Welding Electrodes and Rods	2023	AWS	0
22	A5.10/A5.10M	Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods	2023	AWS	0
23	D15.2/D15.2M	Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles	2022	AWS	0
24	B2.1-5A-222	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 in. Thick, PWHT	2022	AWS	0
25	B2.1-5A-223	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER9018-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 1-1/2 in. Thick,	2022	AWS	0
26	B2.1-5A-224	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8	2022	AWS	0
27	B2.1-5A-225	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 i	2022	AWS	0
28	B2.1-5A-226	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick,	2022	AWS	0
29	D8.9M	Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials	2022	AWS	0
30	G1.6	Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants	2022	AWS	0
31	A5.5/A5.5M	Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding	2022	AWS	0

32	A5.9/A5.9M	Specification for Bare Stainless Steel Welding Electrodes and Rods	2022	AWS	0
33	A5.28/A5.28M	Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding	2022	AWS	0
34	A5.29/A5.29M	Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding	2022	AWS	0
35	A5.30/A5.30M	Specification for Consumable Inserts	2022	AWS	0
36	A5.31M/A5.31	Specification for Fluxes for Brazing and Braze Welding	2022	AWS	0
37	C3.6M/C3.6	Specification for Furnace Brazing	2022	AWS	0
38	C4.4/C4.4M	Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches	2022	AWS	0
39	D14.9/D14.9M	Specification for the Welding of Hydraulic Cylinders	2022	AWS	0
40	B2.1/B2.1M-BMG	Base Metal Grouping for Welding Procedure and Performance Qualification	2021	AWS	0
41	A5.10/A5.10M	Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods	2021	AWS	54
42	A5.29/A5.29M	Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding	2021	AWS	60
43	D17.3/D17.3M	Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications	2021	AWS	58
44	B2.1/B2.1M	Specification for Welding Procedure and Performance Qualification	2021	AWS	0
45	D8.8M	Specification for Automotive Weld Quality - Arc Welding of Steel	2021	AWS	30
46	A5.13/A5.13M	Specification for Surfacing Electrodes for Shielded Metal Arc Welding	2021	AWS	44
47	A5.23/A5.23M	Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding	2021	AWS	40
48	C6.2/C6.2M	Specification for Friction Welding of Metals	2021	AWS	30
49	D8.10M	Specification for Automotive Weld QualityLaser Beam Welding of Steel	2021	AWS	40
50	D16.2M/D16.2	Guide for Components of Robotic and Automatic Arc Welding Installations	2021	AWS	40
51	Z49.1	Safety in Welding, Cutting and Allied Processes	2021	AWS	72
52	A5.18/A5.18M	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding	2021	AWS	48
53	D8.1M	Specification for Automotive Weld Quality-Resistance Spot Welding of Steel	2021	AWS	42
54	D10.10/D10.10M	Recommended Practices for Local Heating of Welds in Piping and Tubing	2021	AWS	124
55	D10.22/D10.22M	Specification for Local Heating of Welds in Creep Strength-Enhanced Ferritic Steels in Piping and Tubing Using Electric Resistance Heating	2021	AWS	44
56	A5.20/A5.20M	Specification for Carbon Steel Electrodes for Flux Cored Arc Welding	2021	AWS	56
57	A5.32M/A5.32	Welding ConsumablesGases and Gas Mixtures for Fusion Welding and Allied Processes	2021	AWS	40
58	D16.5M/D16.5	Training Guide for Robotic Arc Welding Personnel	2021	AWS	98
59	G2.4/G2.4M	Guide for the Fusion Welding of Titanium and Titanium Alloys	2021	AWS	68
60	B2.1-1-018	Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E71T-8, As-Welded Condition Site License	2021	AWS	35
61	B2.1-4-217	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 3/4 in. Th	2021	AWS	29
62	B2.1-4-218	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 1-1/2 in	2021	AWS	29
63	B2.1-4-219	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 in. Thick, As-Welded Con	2021	AWS	33
64	B2.1-4-220	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick, As-Welded Condi	2021	AWS	33
65	B2.1-4-221	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2	2021	AWS	33
66	D1.8/D1.8M	Structural Welding Code - Seismic Supplement	2021	AWS	148

67	B2.5	Specification for Measurement of Welding Power Source Output for Calculation of Welding Procedure Heat Input	2021	AWS	0
68	F4.2	Safety Guidelines for Proper Selection of Welding Cables	2020	AWS	24
69	QC20	Specification for AWS Certification of Resistance Welding Technicians	2020	AWS	22
70	A5.26/A5.26M	Specification for Carbon and Low-Alloy Steel Electrodes for Electrogas Welding	2020	AWS	40
71	A5.28/A5.28M	Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding	2020	AWS	66
72	A5.39/A5.39M	SPECIFICATION FOR FLUX AND ELECTRODE COMBINATIONS FOR SUBMERGED ARC AND ELECTROSLAG JOINING AND SURFACING OF STAINLESS STEEL AND NICKEL ALLOYS	2020	AWS	62
73	C3.8M/C3.8	Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints	2020	AWS	32
74	C3.9M/C3.9	Specification for Resistance Brazing	2020	AWS	32
75	D1.5M/D1.5	Bridge Welding Code	2020	AWS	510
76	D18.1/D18.1M	Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications	2020	AWS	48
77	B2.1-1/8-323	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-309 ER309L, in the As-Welded Condition,	2020	AWS	40
78	B2.1-1/8-324	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL- 309-XX and MIL-309L-XX, in the As-Wel	2020	AWS	38
79	B2.1-1/8-325	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1) to Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3	2020	AWS	44
80	B2.1-1-001	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 3/4 inch [19 mm] Thick, E7016 and E7018, in the As-Welded Condition, Primarily Plate and Structural Applicatio	2020	AWS	32
81	B2.1-1-002	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 7/8 inch [22 mm] Thick, ER70S-2 and ER70S-3, in the As-Welded Condition, Primarily Plate and Structural Applicat	2020	AWS	32
82	B2.1-1-232	Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel	2020	AWS	32
83	B2.1-1-233	Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel	2020	AWS	32
84	B2.1-1-303	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL- 7018-M, in the As-Weld	2020	AWS	40
85	B2.1-1-313	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2 and MIL-7018-M, in the As-Welde	2020	AWS	44
86	B2.1-8-310	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in	2020	AWS	40
87	B2.1-8-320	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in	2020	AWS	40
88	A3.0M/A3.0	Standard Welding Terms and Definitions - Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying	2020	AWS	190
89	D1.1/D1.1M	Structural Welding Code	2020	AWS	664
90	A5.34/A5.34M	Specification for Nickel-Alloy Electrodes for Flux Cored ArcWelding	2020	AWS	44

91	J1.3/J1.3M	Guide to Installation and Maintenance of Resistance Welding Machines	2020	AWS	46
92	A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination	2020	AWS	166
93	A4.2M/A4.2	Standard Procedures for Calibrating Magnetic Instruments to Measure the Delta Ferrite Content of Austenitic and Duplex Ferritic-Austenitic Stainless Steel Weld Metal	2020	AWS	54
94	A4.5M/A4.5	Standard Methods for Classification Testing of Positional Capacity and Root Penetration of Welding Consumables in a Fillet Weld	2020	AWS	26
95	C3.14M/C3.14	Standard Method for Evaluation of Brazed Joints Using Visual and Metallographic Techniques	2020	AWS	46
96	D14.4/D14.4M	Specification for the Design of Welded Joints in Machinery and Equipment	2019	AWS	124
97	F2.3M	Specification for Use and Performance of Transparent Welding Curtains and Screens	2019	AWS	26
98	D3.9/D3.9M	Specification for Classification of Weld-Through Paint Primers	2019	AWS	28
99	D14.3/D14.3M	Specification for Welding Earthmoving and Construction Equipment	2019	AWS	126
100	D15.1/D15.1M	Railroad Welding Specification for Cars and Locomotives	2019	AWS	260
101	D20.1/D20.1M	Specification for Fabrication of Metal Components using Additive Manufacturing	2019	AWS	106
102	G2.3M/G2.3	Guide for the Joining of Solid Solution Austenitic Stainless Steels	2019	AWS	112
103	C1.1M/C1.1	Recommended Practices for Resistance Welding	2019	AWS	132
104	C1.5	Specification for the Qualification of Resistance Welding Technicians	2019	AWS	22
105	C3.2M/C3.2	Standard Method for Evaluating the Strength of Brazed Joints	2019	AWS	48
106	D1.5M/D1.5	Bridge Welding Code - 7th Edition; Interim Revision	2019	AWS	23
107	A5.01M/A5.01	Welding Consumables Procurement of Filler Metals and Fluxes	2019	AWS	38
108	A5.8M/A5.8	Specification for Filler Metals for Brazing and Braze Welding	2019	AWS	64
109	A5.17/A5.17M	Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding	2019	AWS	42
110	A5.34/A5.34M	Specification for Nickel-Alloy Electrodes for Flux Cored Arc Welding	2019	AWS	46
111	B2.1-1-201	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill)	2019	AWS	27
112	B2.1-1-202	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphill)	2019	AWS	27
113	B2.1-1-203	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill), As-Welded Condition (Primarily Pipe)	2019	AWS	27
114	B2.1-1-204	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill Root with the Balance Vertical Up)	2019	AWS	27
115	B2.1-1-205	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill)	2019	AWS	29
116	B2.1-1-206	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Up)	2019	AWS	29
117	B2.1-1-207	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2, As-Welded or PWHT Condition (Primarily Pipe Application)	2019	AWS	27
118	B2.1-1-208	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition (Primarily Pipe Application)	2019	AWS	25
119	B2.1-1-209	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,	2019	AWS	29
120	D17.2/D17.2M	Specification for Resistance Welding for Aerospace Applications - 3rd Edition	2019	AWS	60
121	B2.1-1-026	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Downhill) Followed by E7018, in the As-Welded or PWHT Condition, Primary	2018	AWS	33

122	F3.2	Ventilation Guide for Weld Fume - 2nd Edition	2018	AWS	44
123	NAVSEA B2.1-1-301	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2, in the As-Welded or PWHT Condition, Primarily Plate and Structural Na	2018	AWS	32
124	B2.1-8-023	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8 Group 1) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, in the As-Welded Condition, Primarily Plate and Structural Applications - 2nd	2018	AWS	33
125	NAVSEA B2.1-1-311	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-2, in the As-Welded or PWHT Condition, Primarily Pipe for Naval Applicat	2018	AWS	34
126	D1.5M/D1.5	Bridge Welding Code - 7th Edition; Interim Revision	2018	AWS	29
127	D16.6M/D16.6	Specification for Robot Arc Welding Training and Testing Cell - 1st Edition	2018	AWS	36
128	A5.2/A5.2M	Specification for Carbon and Low-Alloy Steel Rods for Oxyfuel Gas Welding - 9th Edition	2018	AWS	32
129	B2.1-1-016	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications	2018	AWS	33
130	A5.11/A5.11M	Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding	2018	AWS	58
131	A5.14/A5.14M	Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods	2018	AWS	46
132	B2.1-1-027	Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1/2 Inch Thick, E71T-11, As-Welded Condition Site License	2018	AWS	27
133	B2.1-1-304		2018	AWS	33
134	B2.1-1-304		2018	AWS	33
135	B5.2	Specification for the Qualification of Welding Inspector Specialists and Welding Inspector Assistants	2018	AWS	30
136	C4.3/C4.3M	Recommended Practices for Safe Oxyfuel Gas Heating Torch Operation - Third Edition	2018	AWS	42
137	D1.3/D1.3M	NULL	2018	AWS	106
138	D9.1M/D9.1	Sheet Metal Welding Code	2018	AWS	76
139	D10.18M/D10.18	Guide for Welding Ferritic/Austenitic Duplex Stainless Steel Piping and Tubing	2018	AWS	38
140	F1.1M	Method for Sampling Airborne Particulates Generated by Welding and Allied Processes	2018	AWS	40
141	F3.2M/F3.2	Ventilation Guide for Weld Fume	2018	AWS	44
142	NAVSEA B2.1-1-305	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Weld	2018	AWS	33
143	C2.23M/C2.23	Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel - 2nd Edition	2018	AWS	31
144	B2.1-1-021	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2 and E7018, in the As-Welded or PWHT Condi	2018	AWS	33
145	B2.1-1-316	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70S-3, in the As-Welded or	2018	AWS	33
146	B2.1-1-022	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the As-Welded or PWHT Condition, Primari	2018	AWS	33
147	NAVSEA B2.1-8-309	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Stru	2018	AWS	31

148	B2.1-1-317	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Weld	2018	AWS	33
149	NAVSEA B2.1-8-319	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX-XX, in the As-Welded Condition, Primarily Pipe for Naval	2018	AWS	33
150	B2.1-1-314	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-MS-1 and MIL-70S-2	2018	AWS	30
151	B2.1-1-315	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-MS-1 and MIL-70S-2	2018	AWS	30
152	B2.1-8-321	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX, in the As-Welded Condition	2018	AWS	30
153	B2.1-8-322	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding with Consumable Insert Root of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX, in the As-Welded Condition	2018	AWS	30
154	B2.3/B2.3M	Specification for Soldering Procedure and Performance Qualification - 3rd Edition	2018	AWS	78
155	B2.1-1-017	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications	2018	AWS	33
156	D1.4/D1.4M	Structural Welding Code - Steel Reinforcing Bars - 8th Edition	2018	AWS	98
157	B2.1-1-019	Standard Welding Procedure Specification (SWPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1C and E71 T-1C, in the As-Welded Condition, Primarily Plate and Struct	2018	AWS	33
158	NAVSEA B2.1-1-304	Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (S-1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-70T-1 and MIL-71T-1, in the As-Welded Condition, Prima	2018	AWS	33
159	D16.1M/D16.1	Specification for Robotic Arc Welding Safety - 2nd Edition	2018	AWS	34
160	B2.1-1-020	Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primaril	2018	AWS	33
161	C3.12M/C3.12		2017	AWS	30
162	C4.2/C4.2M	Recommended Practices for Safe Oxyfuel Gas Cutting Torch Operation	2017	AWS	50
163	C7.4/C7.4M	Process Specification and Operator Qualification for Laser Beam Welding	2017	AWS	54
164	C7.6/C7.6M		2017	AWS	54
165	D1.6/D1.6M	Structural Welding Code - Stainless Steel	2017	AWS	340
166	D3.6M	Specification for Underwater Welding	2017	AWS	148
167	D8.2M		2017	AWS	40
168	D8.14M	Specification for Automotive Weld Qualityù Arc Welding of Aluminum	2017	AWS	42
169	D14.1/D14.1M AMD 1	Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment	2017	AWS	158
170	D16.3M/D16.3	Risk Assessment Guide for Robotic Arc Welding	2017	AWS	38
171	EG2.0	Guide for The Training and Qualification of Welding Personnel Entry Level Welder	2017	AWS	299
172	EG2.0 SUPPLEMENT	Guide for The Training and Qualification of Welding Personnel Entry Level Welder	2017	AWS	130
173	F1.6	Guide for Estimating Welding Emissions for EPA and Ventilation Permit Reporting	2017	AWS	22

174	F4.1	Recommended Safe Practices for the Preparation for Welding and Cutting of Containers and Piping	2017	AWS	22
175	A5.9/A5.9M	Specification for Bare Stainless Steel Welding Electrodes and Rods	2017	AWS	55
176	A5.10/A5.10M	Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods	2017	AWS	50
177	A5.18/A5.18M	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding	2017	AWS	46
178	API-M	Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual	2017	AWS	178
179	C1.4M/C1.4	Specification for Resistance Welding of Carbon and Low-Alloy Steels	2017	AWS	34
180	C2.16/C2.16M	Guide for Thermal-Spray Operator Qualification	2017	AWS	46
181	QC10	Specification for Qualification and Certification for Entry Level Welders	2017	AWS	34
182	C2.20/C2.20M	Specification for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete	2016	AWS	48
183	C3.5MC3.5 AMD 1	NULL	2016	AWS	38
184	G1.10M	Guide for The Evaluation of Hot Gas, Hot Gas Extrusion, and Heated Tool Butt Thermoplastic Welds	2016	AWS	62
185	A1.1	Metric Practice Guide for the Welding Industry	2016	AWS	60
186	B2.1-8-308		2016	AWS	29
187	B2.1-8-318		2016	AWS	33
188	C3.4	Specification for Torch Brazing	2016	AWS	30
189	C3.5	Specification for Induction Brazing	2016	AWS	31
190	C3.6	Specification for Furnace Brazing	2016	AWS	31
191	C7.3	Process Specification for Electron Beam Welding	2016	AWS	36
192	D17.3	Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications	2016	AWS	58
193	QC47		2016	AWS	35
194	A5.36A5.36M	NULL	2016	AWS	74
195	B1.10MB1.10	NULL	2016	AWS	74
196	B2.2-B2.2M	NULL	2016	AWS	90
197	B4.0	Standard Methods for Mechanical Testing of Welds	2016	AWS	184
198	C3.4MC3.4	NULL	2016	AWS	30
199	C3.5MC3.5	NULL	2016	AWS	32
200	C3.6MC3.6	NULL	2016	AWS	32
201	D1.1D1.1M ERTA 2	NULL	2016	AWS	4
202	D1.8D1.8M	NULL	2016	AWS	138
203	D17.3D17.3M	NULL	2016	AWS	58
204	J1.2MJ1.2	NULL	2016	AWS	44
205	QC1	Standard for AWS Certification of Welding Inspectors	2016	AWS	32
206	NAVSEA B2.1- 1-302	NULL	2015	AWS	30
207	NAVSEA B2.1- 1-312	NULL	2015	AWS	31
208	D16.4MD16.4	NULL	2015	AWS	26
209	D18.3D18.3M	NULL	2015	AWS	38
210	D1.9D1.9M	NULL	2015	AWS	172
211	D1.5MD1.5	NULL	2015	AWS	494

212	D1.1 CCRM	CODE CLINIC For Study of AWS D1.1/D1.1M: 2010 Structural Welding CodeùSteel	2015	AWS	197
213	BUNDLE A	NULL	2015	AWS	172
214	BUNDLE B	NULL	2015	AWS	1
215	BUNDLE C	NULL	2015	AWS	34
216	C1.5	NULL	2015	AWS	24
217	C2.21MC2.21	NULL	2015	AWS	38
218	A5.35A5.35M	NULL	2015	AWS	34
219	B2.1-18-231	NULL	2015	AWS	27
220	B2.1B2.1M AMD1	NULL	2015	AWS	1
221	B2.1B2.1M ERTA 1	NULL	2015	AWS	1
222	B1.11M/B1.11	Guide for the Visual Examination of Welds	2015	AWS	64
223	B2.1-1/8-010	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/ P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing - 3rd Edition	2015	AWS	25
224	D1.1/D1.1M	Structural Welding Code - Steel - 23rd Edition	2015	AWS	646
225	WHB-5.9	Welding Handbook Volume 5 - ALUMINUM AND ALUMINUM ALLOYS, Part 2	2015	AWS	752
226	WI	Welding Inspection Handbook - Fourth Edition	2015	AWS	289
227	A5.24/A5.24M	Zirconium and Zirconium Alloy Welding Electrodes and Rods	2014	AWS	30
228	D8.8M	Specification for Automotive Weld Quality - Arc Welding of Steel	2014	AWS	30
229	B2.1B2.1M- BMG	NULL	2014	AWS	216
230	A5.5/A5.5M	Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding - 10th Edition	2014	AWS	70
231	B2.1/B2.1M	Specification for Welding Procedure and Performance Qualification - Sixth Edition	2014	AWS	322
232	B5.17	Specification for the Qualification of Welding Fabricators - Fourth Edition	2014	AWS	22
233	D1.2/D1.2M ERTA	Structural Welding Code-Aluminum - 6th Edition	2014	AWS	1
234	D1.2/D1.2M	Structural Welding Code-Aluminum - 6th Edition	2014	AWS	232
235	G2.4/G2.4M	Guide for the Fusion Welding of Titanium and Titanium Alloys	2014	AWS	58
236	J1.1M/J1.1	Specification for Resistance Welding Controls	2013	AWS	49
237	F1.2	Laboratory Method for Measuring Fume Generation Rates and Total Fume Emission of Welding and Allied Processes - 6th Edition	2013	AWS	26
238	C7.1M/C7.1	Recommended Practices for Electron Beam Welding and Allied Processes	2013	AWS	152
239	D14.9/D14.9M	Specification for the Welding of Hydraulic Cylinders - First Edition	2013	AWS	64
240	D15.2/D15.2M	Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles - 3rd Edition	2013	AWS	66
241	D17.2/D17.2M	Specification for Resistance Welding for Aerospace Applications. - 2nd Edition	2013	AWS	58
242	D8.1M	Specification for Automotive Weld Quality-Resistance Spot Welding of Steel - 2nd Edition	2013	AWS	40
243	C2.19/C2.19M	Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair - 1st Edition	2013	AWS	70
244	B2.1-8-005	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Austenitic Stainless Steel (M-8, P-8, or S-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2013	AWS	22
245	B5.1	Specification for the Qualification of Welding Inspectors - 2nd Edition	2013	AWS	24
246	A5.34/A5.34M	Specification for Nickel-Alloy Electrodes for Flux Cored ArcWelding - 2nd Edition	2013	AWS	42
247	A9.5	Guide for Verification and Validation in Computation Weld Mechanics - 1st Edition	2013	AWS	42

248	A5.01M/A5.01	Welding Consumablesâ Procurement of Filler Metals and Fluxes - 5th Edition	2013	AWS	40
249	A5.16/A5.16M	Specification for Titanium and Titanium-Alloy Welding Electrodes and Rods - 6th Edition	2013	AWS	38
250	D17.2/D17.2M	Specification for Resistance Welding for Aerospace Applications	2013	AWS	58
251	F1.2	Laboratory Method for Measuring Fume Generation Rates and Total Fume Emission of Welding and Allied Processes	2013	AWS	26
252	A5.16/A5.16M	Specification for Titanium and Titanium Alloy Welding Electrodes and Rods	2013	AWS	38
253	A9.5	Guide for Verification and Validation in Computation Weld Mechanics	2013	AWS	42
254	D14.9/D14.9M	Specification for the Welding of Hydraulic Cylinders	2013	AWS	64
255	D15.2/D15.2M	Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles	2013	AWS	66
256	B2.1-1 8-006	NULL	2013	AWS	23
257	B2.1-1-003	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Galvanized Steel, (M-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2013	AWS	23
258	B2.1-1-004	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel, (M-1, Group 1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Back	2013	AWS	22
259	B2.1-1-007	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Galvanized Steel, 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site License	2013	AWS	23
260	B2.1-1-008	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, P-1 or S-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2013	AWS	23
261	B2.1-1-011	(Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Galvanized Steel, 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License	2013	AWS	23
262	B2.1-1-012	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1,P-1, or S-1 to M-1, P-1 or S-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Si	2013	AWS	23
263	B2.1-1 8-014	NULL	2013	AWS	22
264	B2.1-1 8-227	NULL	2013	AWS	23
265	B2.1-1 8-228	NULL	2013	AWS	22
266	B2.1-1 8-229	NULL	2013	AWS	27
267	B2.1-1 8-230	NULL	2013	AWS	25
268	B2.1-8-009	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8,P-8,or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site Licens	2013	AWS	22
269	B2.1-8-013	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel, (SWPS) 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License	2013	AWS	22
270	B5.1	Specification for the Qualification of Welding Inspectors	2013	AWS	24
271	A5.8M/A5.8 AMD 1	Specification for Filler Metals for Brazing and Braze Welding	2013	AWS	64
272	A5.9/A5.9M	Specification for Bare Stainless Steel Welding Electrodes and Rods	2012	AWS	46
273	A5.10/A5.10M	Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods	2012	AWS	46
274	A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination	2012	AWS	152
275	A2.4 Spanish	Standard Symbols for Welding, Brazing, and Nondestructive Examination	2012	AWS	158
276	A4.5M/A4.5	Standard Methods for Classification Testing of Positional Capacity and Root Penetration ofWelding Consumables in a FilletWeld	2012	AWS	26
277	A5.1/A5.1M	Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding	2012	AWS	62
278	Z49.1	Safety in Welding, Cutting and Allied Processes	2012	AWS	70
279	B2.1/B2.1M-BMG	Base Metal Grouping for Welding Procedure and Performance Qualification	2012	AWS	209
280	A5.31M A5.31	NULL	2012	AWS	38

281	A5.4 A5.4M	NULL	2012	AWS	54
282	A5.8M A5.8-AMD 1	NULL	2012	AWS	64
283	D3.6M ERTA	NULL	2012	AWS	2
284	D9.1M D9.1	NULL	2012	AWS	76
285	D14.4 D14.4M	NULL	2012	AWS	124
286	D17.1/D17.1M	Specification for Fusion Welding for Aerospace Applications	2012	AWS	104
287	D15.1/D15.1M	Railroad Welding Specification for Cars and Locomotives	2012	AWS	234
288	D14.4	Specification for Welded Joints in Machinery and Equipment	2012	AWS	124
289	D8.9M	Recommended Practices for Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials SAE D8.9M-2002	2012	AWS	126
290	D9.1/D9.1M	Sheet Metal Welding Code	2012	AWS	76
291	C4.5M	Uniform Designation System for Oxyfuel Nozzles	2012	AWS	20
292	A5.31	Specification for Fluxes for Brazing and Braze Welding	2012	AWS	38
293	A5.36/A5.36M	Specification for Carbon and Low- Alloy Steel Flux Cored Electrodes for Flux Cored Arc Welding and Metal Cored Electrodes for Gas Metal Arc Welding	2012	AWS	66
294	A5.22/A5.22M	Specification for Stainless Steel Flux Cored and Metal Cored Welding Electrodes and Rods	2012	AWS	68
295	A5.4	Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding	2012	AWS	54
296	B2.1/B2.1M	Specification for Welding Procedure and Performance Qualification	2012	AWS	306
297	B2.3/B2.3M	Specification for Soldering Procedure and Performance Qualification	2012	AWS	78
298	B2.4	Specification for Welding Procedure and Performance Qualification for Thermoplastics	2012	AWS	56
299	C2.25/C2.25M	Specification for Thermal Spray Feedstock Solid and Composite Wire and Ceramic Rods	2012	AWS	28
300	C1.1M/C1.1	Recommended Practices for Resistance Welding	2012	AWS	134
301	EWI-I	Effects of Welding on Health, Index I through XIV	2012	AWS	62
302	G2.3M/G2.3	Guide for the Joining of Solid Solution Austenitic Stainless Steels	2012	AWS	108
303	G2.5/G2.5M	Guide for the Fusion Welding of Zirconium and Zirconium Alloys	2012	AWS	48
304	B2.4	Specification for Welding Procedure and Performance Qualification for Thermoplastics - 2nd Edition	2012	AWS	56
305	C4.6M	Thermal Cutting Classification of Thermal Cuts Geometric Product Specification and Quality Tolerances - 1st Edition	2012	AWS	52
306	D14.6/D14.6M	Specification for Welding of Rotating Elements of Equipment - 4th Edition	2012	AWS	88
307	G2.1M/G2.1	Guide for the Joining of Wrought Nickel-Based Alloys	2012	AWS	68
308	A5.8M/A5.8	Specification for Filler Metals for Brazing and Braze Welding - 10th Edition	2011	AWS	62
309	F2.3M	Specification for Use and Performance of Transparent Welding Curtains and Screens	2011	AWS	26
310	QC20	Specification for AWS Certification of Resistance Welding Technicians	2011	AWS	30
311	RWPH	Resistance Welding Pocket Handbook	2011	AWS	48
312	C3.7M/C3.7	Specification for Aluminum Brazing	2011	AWS	34
313	C3.8M/C3.8	Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints	2011	AWS	30
314	B5.5	Specification for the Qualification of Welding Educators	2011	AWS	22
315	B2.1-1-027	Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1/2 Inch Thick, E71T-11, As-Welded Condition Site License	2011	AWS	22
316	B2.1-22-015	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Aluminum, (M/P/S-22 TO M/P/S-22), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2011	AWS	20
317	A5.8M/A5.8	Specification for Filler Metals for Brazing and Braze Welding	2011	AWS	62
318	A5.23/A5.23M	Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding	2011	AWS	60

319	A5.21	Specification for Bare Electrodes and Rods for Surfacing	2011	AWS	42
320	A5.14/A5.14M	Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods	2011	AWS	42
321	A5.32M/A5.32	Welding Consumablesù Gases and Gas Mixtures for Fusion Welding and Allied Processes	2011	AWS	44
322	C3.11M/C3.11	Specification for Torch Soldering	2011	AWS	30
323	D1.1/D1.1M	Structural Welding Code	2011	AWS	572
324	D1.4/D1.4M	Structural Welding Code - Reinforcing Steel Errata	2011	AWS	86
325	A5.21 A5.21M	NULL	2011	AWS	42
326	C5.3	Recommended Practices for Air Carbon Arc Gouging and Cutting	2011	AWS	33
327	B4.0M	Standard Methods for Mechanical Testing of Welds	2010	AWS	122
328	F2.2	Lens Shade Selector	2010	AWS	1
329	G1.2M G1.2	NULL	2010	AWS	38
330	B2.2 B2.2M	NULL	2010	AWS	86
331	WHB-4.9	Materials and Applications Part 1	2010	AWS	775
332	A3.0M A3.0	NULL	2010	AWS	162
333	D17.1 D17.1M	NULL	2010	AWS	100
334	D1.5M/D1.5	Bridge Welding Code	2010	AWS	480
335	D1.7/D1.7M	Guide for Strengthening and Repairing Existing Structures	2010	AWS	54
336	D1.1/D1.1M PORTUGUESE	Structural Welding Code	2010	AWS	558
337	D1.1/D1.1M SPANISH	Structural Welding Code	2010	AWS	598
338	C7.2M	Recommended Practices for Laser Beam Welding, Cutting, and Allied Processes	2010	AWS	144
339	D1.1 CCRM	CODE CLINIC For Study of AWS D1.1/D1.1M: 2010 Structural Welding CodeùSteel	2010	AWS	166
340	D10.14M/D10.14	Guide for Multipass Orbital Machine Pipe Groove Welding	2010	AWS	78
341	D3.6M	Underwater Welding Code	2010	AWS	144
342	D3.9	Specification for Classification of Weld-Through Paint Primers	2010	AWS	30
343	D14.3/D14.3M	Specification for Welding Earthmoving and Construction Equipment	2010	AWS	96
344	B2.1-1-011 ERTA	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Galvanized Steel(M-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License	2010	AWS	1
345	A5.22	Specification for Stainless Steel Electrodes for Flux Cored Arc Welding and Stainless Steel Flux Cored Rods for Gas Tungsten Arc Welding	2010	AWS	68
346	A5.29/A5.29M	Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding	2010	AWS	62
347	A5.13/A5.13M	Specification for Surfacing Electrodes for Shielded Metal Arc Welding	2010	AWS	44
348	B2.2	Standard for Brazing Procedure and Performance Qualification	2010	AWS	86
349	UGFM	AWS User's Guide to Filler Metals	2010	AWS	180
350	D1.1/D1.1M	Structural Welding Code	2010	AWS	569
351	D17.3	Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications	2010	AWS	56
352	A5.11/A5.11M	Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding	2010	AWS	52
353	B5.15	Specification for the Qualification of Radiographic Interpreters	2010	AWS	26
354	A3.0	Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying	2010	AWS	162

355	B2.1/B2.1M-BMG	Base Metal Grouping for Welding Procedure and Performance Qualification	2009	AWS	202
356	A5.12/A5.12M	Specification for Tungsten and Tungsten-Alloy Electrodes for Arc Welding and Cutting	2009	AWS	38
357	A5.01M/A5.01	Procurement Guidelines for Consumablesù Welding and Allied ProcessesùFlux and Gas Shielded ElectricalWelding Processes	2009	AWS	40
358	QC19	Specification for AWS Certification of Robotic Arc Welding Personnel	2009	AWS	24
359	D10.10/D.10M	Recommended Practices for Local Heating of Welds in Piping and Tubing	2009	AWS	120
360	PRGP	The Practical Reference Guide to Positioning	2009	AWS	74
361	QC10	Specification for Qualification and Certification for Entry Level Welders	2009	AWS	35
362	QC14	Specification for the Certification of Welding Sales Representatives	2009	AWS	18
363	D18.1/D18.1M	Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications	2009	AWS	36
364	D18.2	Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube	2009	AWS	2
365	EG2.0	Guide for The Training and Qualification of Welding Personnel Entry Level Welder	2009	AWS	162
366	B5.14	Specification for the Qualification of Welding Sales Representatives	2009	AWS	18
367	C3.9M/C3.9	Specification for Resistance Brazing	2009	AWS	26
368	C1.4M/C1.4	Specification for Resistance Welding of Carbon and Low-Alloy Steels	2009	AWS	32
369	C1.5		2009	AWS	24
370	C3.2M/C3.2	Standard Method for Evaluating the Strength of Brazed Joints	2009	AWS	44
371	C3.3	Recommended Practices for Design, Manufacture, and Examination of Critical Brazed Components	2009	AWS	44
372	A5.6/A5.6M	Specification for Covered Copper and Copper Alloy Arc Welding Electrodes	2009	AWS	38
373	API-M	Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual	2009	AWS	104
374	B1.10M/B1.10	Guide for the Nondestructive Examination of Welds	2009	AWS	66
375	D16.3M/D16.3	Risk Assessment Guide for Robotic Arc Welding	2009	AWS	30
376	D14.5/D14.5M	Specification for Welding of Presses and Press Components	2009	AWS	160
377	D14.8M	Standard Methods for the Avoidance of Cold Cracks	2009	AWS	94
378	D8.14M	Specification for Automotive Weld Qualityù Arc Welding of Aluminum	2009	AWS	34
379	D10.18M/D10.18	Guide forWelding Ferritic/Austenitic Duplex Stainless Steel Piping and Tubing	2009	AWS	36
380	D10.7M/D10.7	Guide for the Gas Shielded Arc Welding of Aluminum and Aluminum Alloy Pipe	2009	AWS	44
381	D1.1-BI	The Official Book of D1.1 Interpretations - a Collection of Responses to Formal Inquiries About the Requirements of AWS D1.1	2009	AWS	56
382	C7.4/C7.4M	Process Specification and Operator Qualification for Laser Beam Welding	2009	AWS	36
383	C4.2/C4.2M	Recommended Practices for Safe Oxyfuel Gas Cutting Torch Operation	2009	AWS	50
384	D1.2/D1.2M	Structural Welding Code Aluminum Fourth Edition	2009	AWS	228
385	D1.3	Structural Welding Code - Sheet Steel	2009	AWS	100
386	D1.8/D1.8M	Structural Welding Codeù Seismic Supplement	2009	AWS	126
387	B2.1-4-217	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 3/4 in. Th	2009	AWS	23
388	B2.1-4-218	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 1-1/2 in	2009	AWS	21
389	B2.1-4-219	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 in. Thick, As-Welded Con	2009	AWS	24

390	B2.1-4-220	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick, As-Welded Condi	2009	AWS	26
391	B2.1-4-221	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2	2009	AWS	26
392	B2.1-5A-222	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 in. Thick, PWHT	2009	AWS	23
393	B2.1-5A-223	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER9018-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 1-1/2 in. Thick,	2009	AWS	21
394	B2.1-5A-224	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8	2009	AWS	25
395	B2.1-5A-225	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 i	2009	AWS	26
396	B2.1-5A-226	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick,	2009	AWS	26
397	A5.25 A5.25M	NULL	2009	AWS	44
398	A5.26 A5.26M	NULL	2009	AWS	44
399	B1.10MB1.10 SPANISH	NULL	2009	AWS	67
400	A5.12M A5.12	NULL	2009	AWS	38
401	D10.10_D10.10 M	NULL	2009	AWS	120
402	C6.1	Recommended Practices for Friction Welding R(1998)	2009	AWS	48
403	A5.6 A5.6M	NULL	2008	AWS	38
404	API-M	Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual	2008	AWS	104
405	D10.18M D10.18	NULL	2008	AWS	36
406	D10.7M D10.7	NULL	2008	AWS	44
407	EG2.0	Guide for The Training and Qualification of Welding Personnel Entry Level Welder	2008	AWS	162
408	D8.14M	Specifiation for Automotive Weld Qualityù Arc Welding of Aluminum	2008	AWS	34
409	D1.3 D1.3M	NULL	2008	AWS	100
410	C3.2M C3.2	NULL	2008	AWS	44
411	C3.3	Recommended Practices for Design, Manufacture, and Examination of Critical Brazed Components	2008	AWS	44
412	D1.1-BI	The Official Book of D1.1 Interpretations - a Collection of Responses to Formal Inquiries About the Requirements of AWS D1.1 (1976-1998)	2008	AWS	56
413	C7.4 C7.4M	NULL	2008	AWS	36
414	WIT-E	NULL	2008	AWS	44
415	WIT-T	Welding Inspection Technology Fourth Edition	2008	AWS	328
416	WIT-W	NULL	2008	AWS	82
417	QC10	Specifiation for Qualification and Certification for Entry Level Welders	2008	AWS	35
418	PRGP	The Practical Reference Guide to Positioning	2008	AWS	74
419	QC17	Standard for Accreditation of Welding Fabricators for AWS Certified Welding Fabricator Program	2008	AWS	18
420	VIW-M	Visual Inspection Workshop Reference Manual	2008	AWS	132
421	WIT	Welding Inspection Technology	2008	AWS	328
422	C3.6	Specifiation for Furnace Brazing	2008	AWS	28

423	D1.5M/D1.5	Bridge Welding Code AASHTO BWC-4	2008	AWS	434
424	B5.17	Specification for the Qualification of Welding Fabricators	2008	AWS	22
425	QC15	Specification for the Certification of Radiographic Interpreters	2008	AWS	20
426	B5.17	Specification for the Qualification of Welding Fabricators	2008	AWS	22
427	D1.1/D1.1M	structural welding code steel	2008	AWS	563
428	D1.3	Structural Welding Code - Sheet Steel Errata	2008	AWS	100
429	D8.8/D8.8M	Specification for Automotive and Light Truck Components Weld Quality - Arc Welding SAE HS J1196	2007	AWS	28
430	QC1	Standard for AWS Certification of Welding Inspectors	2007	AWS	24
431	A5.16/A5.16M	Specification for Titanium and Titanium Alloy Welding Electrodes and Rods	2007	AWS	38
432	D1.6/D1.6M	Structural Welding Code - Stainless Steel	2007	AWS	294
433	B4.0	Standard Methods for Mechanical Testing of Welds	2007	AWS	154
434	C3.4	Specification for Torch Brazing	2007	AWS	26
435	C3.5	Specification for Induction Brazing	2007	AWS	26
436	B2.1-1-201	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill	2007	AWS	23
437	B2.1-1-203	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill), As-Welded Condition (Primarily Pi	2007	AWS	23
438	B2.1-1-204	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill Root with the Balance Vertical Up	2007	AWS	23
439	B2.1-1-205	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphi	2007	AWS	24
440	B2.1-1-206	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Up	2007	AWS	24
441	B2.1-1-207	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2, As- Welded or PWHT Condition (Primarily Pipe Appl	2007	AWS	23
442	B2.1-1-208	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition (Primarily Pipe Appli	2007	AWS	22
443	B2.1-1-209	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,	2007	AWS	26
444	D17.2/D17.2M	Specification for Resistance Welding for Aerospace Applications	2007	AWS	44
445	B2.1-1-202	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphi	2007	AWS	23
446	A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination	2007	AWS	140
447	F1.1	Method for Sampling Airborne Particulates Generated by Welding and Allied Processes	2007	AWS	20
448	F4.1	Recommended Safe Practices for the Preparation for Welding and Cutting of Containers and Piping	2007	AWS	20
449	D10.11M/D10.11	Guide for Root Pass Welding of Pipe Without Backing	2007	AWS	36
450	A5.2/A5.2M	Specification for Carbon and Low Alloy Steel Rods for Oxyfuel Gas Welding	2007	AWS	28
451	A5.30/A5.30M	Specification for Consumable Inserts - 3rd Edition	2007	AWS	38
452	A5.02/A5.02M	Specification for Filler Metal Standard Sizes, Packaging, and Physical Attributes - First Edition; Second Printing; Incorporates Errata: April 2008	2007	AWS	30
453	A5.7/A5.7M	Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes - 7th Edition	2007	AWS	32
454	A10.1M	Specification for Calibration and Performance Testing of Secondary Current Sensing Coils and Weld Current Monitors used in Single-Phase AC Resistance Welding - 1st Edition	2007	AWS	56
455	D16.2M/D16.2	Guide for Components of Robotic and Automatic Arc Welding Installations	2007	AWS	34

456	C4.3/C4.3M	Recommended Practices for Safe Oxyfuel Gas Heating Torch Operation - Third Edition	2007	AWS	38
457	C4.4/C4.4M	Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches - Second Edition	2007	AWS	58
458	BRH	Brazing Handbook - Fifth Edition	2007	AWS	740
459	D1.9/D1.9M	Structural Welding Codeâ Titanium - 1st Edition; Incorporating Addendum: August 26, 2011	2007	AWS	164
460	EWB-13	NULL	2007	AWS	88
461	A5.3 A5.3M	NULL	2007	AWS	34
462	A5.17 A5.17M	NULL	2007	AWS	48
463	WHB-3.9	Welding Handbook, Vol. 3, Welding Processes, Part 2 - Ninth Edition	2007	AWS	615
464	A4.2M	NULL	2006	AWS	58
465	A5.19	Specification for Magnesium Alloy Welding Electrodes and Rods R(1997)	2006	AWS	34
466	A5.15	Specification for Welding Electrodes and Rods for Cast Iron	2006	AWS	38
467	A4.3	Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding	2006	AWS	34
468	A4.4M	Standard Procedures for Determination of Moisture Content of Welding Fluxes and Welding Electrode Flux Coverings	2006	AWS	38
469	F1.3M	A Sampling Strategy Guide for Evaluating Contaminants in the Welding Environment	2006	AWS	32
470	G1.1M/G1.1	Guide to Ultrasonic Assembly of Thermoplastics	2006	AWS	95
471	G1.6	Specification for the Qualification of Plastics Welding Inspectors for Hot Gas, Hot Gas Extrusion, and Heated Tool Butt Thermoplastic Welds	2006	AWS	24
472	C6.2/C6.2M	Specification for Friction Welding of Metals	2006	AWS	34
473	F1.1M	Method for Sampling Airborne Particulates Generated by Welding and Allied Processes	2006	AWS	24
474	B2.1-1-232	Standard Welding Procedure Specification (SWPS) for Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group	2006	AWS	21
475	B2.1-1-233	Standard Welding Procedure Specification (SWPS) for Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-	2006	AWS	21
476	B2.1-1-234	Standard Welding Procedure Specification (SWPS) for Argon plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 and 2), 1/8 through 1-1/2 inch Thick, E7XT-X, As-Welded or PWHT Condition, Primarily Pipe Applications	2006	AWS	21
477	B2.1-1-235	Standard Welding Procedure Specification (SWPS) for Argon plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1/S-1, Groups 1 and 2), 1/8 through 1-1/2 inch Thick, ER70S-3, Flat Position Only, As-Welded or PWHT Condi	2006	AWS	21
478	A4.2M/A4.2	Standard Procedures for Calibrating Magnetic Instruments to Measure the Delta Ferrite Content of Austenitic and Duplex Ferritic-Austenitic Stainless Steel Weld Metal	2006	AWS	58
479	B2.1-1-001	NULL	2006	AWS	13
480	C5.7	Recommended Practices for Electrogas Welding	2006	AWS	76
481	D11.2	Guide for Welding Iron Castings	2006	AWS	210
482	A5.4	Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding	2006	AWS	54
483	A5.5	Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding	2006	AWS	68
484	A5.9	Specification for Bare Stainless Steel Welding Electrodes and Rods	2006	AWS	42
485	D1.1/D1.1M	Structural Welding Code	2006	AWS	532
486	B2.1-1-002	Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 through 7/8 inch, in the As-Welded Condition, With or Without Backing	2006	AWS	15
487	B5.9	Specification for the Qualification of Welding Supervisors	2006	AWS	20
488	B5.16	Specification for the Qualification of Welding Engineers	2006	AWS	22

489	QC13	Specification for the Certification of Welding Supervisors	2006	AWS	16
490	D9.1/D9.1M	Sheet Metal Welding Code	2006	AWS	72
491	D16.4-D16.4M	Specification for the Qualification of Robotic Arc Welding Personnel	2005	AWS	24
492	B2.1	Specification for Welding Procedure and Performance Qualification	2005	AWS	274
493	D1.4/D1.4M	Structural Welding Code - Reinforcing Steel Errata	2005	AWS	84
494	A5.18/A5.18M	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding	2005	AWS	44
495	A5.20/A5.20M	Specification for Carbon Steel Electrodes for Flux Cored Arc Welding	2005	AWS	50
496	A5.28/A5.28M	Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding	2005	AWS	48
497	A5.29	Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding	2005	AWS	54
498	B5.4	Specification for the Qualification of Welder Test Facilities	2005	AWS	24
499	B2.1-BMG	Specification for Welding Procedure and Performance Qualification	2005	AWS	188
500	A5.22	Specification for Stainless Steel Electrodes for Flux Cored Arc Welding and Stainless Steel Flux Cored Rods for Gas Tungsten Arc Welding	2005	AWS	56
501	Z49.1	Safety in Welding, Cutting and Allied Processes	2005	AWS	68
502	D14.1/D14.1	Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment	2005	AWS	152
503	A5.11/A5.11M	Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding	2005	AWS	50
504	B2.1-8-023	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, As-Welded Condition Site License	2005	AWS	25
505	C3.7M/C3.7	Specification for Aluminum Brazing	2005	AWS	28
506	A5.24/A5.24M	Specification for Zirconium and Zirconium-Alloy Welding Electrodes and Rods	2005	AWS	26
507	D14.7/D14.7M	Recommended Practices for Surfacing and Reconditioning of Industrial Mill Rolls - 1st Edition	2005	AWS	68
508	D8.6	Specification for Automotive Resistance Spot Welding Electrodes - Supplement to RWMA Bulletin 16	2005	AWS	100
509	D8.7M	Recommended Practices for Automotive Weld Quality Resistance Spot Welding	2005	AWS	30
510	D14.1/D14.1M	Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment	2005	AWS	152
511	TWM	NULL	2005	AWS	206
512	B2.1-1-016	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition Site License	2005	AWS	25
513	B2.1-1-017	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010, As-Welded or PWHT Condition Site License	2005	AWS	25
514	B2.1-1-018	Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E71T-8, As-Welded Condition Site License	2005	AWS	25
515	B2.1-1-019	Standard Welding Procedure Specification (WPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded Condition Site Lic	2005	AWS	25
516	B2.1-1-020	Standard Welding Procedure Specification (WPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded or PWHT	2005	AWS	25
517	B2.1-1-021	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,	2005	AWS	25
518	B2.1-1-022	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018, As-Welded or	2005	AWS	25
519	B2.1-1-026	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018, As-Welded o	2005	AWS	25
520	GTW	NULL	2005	AWS	64
521	PAPQV	NULL	2005	AWS	136
522	CMWS	NULL	2005	AWS	448

523	WHB-2.9	Welding Handbook - Welding Processes, Part 1 - Volume 2; Ninth Edition	2004	AWS	615
524	PHB-3	NULL	2004	AWS	32
525	PHB-6	NULL	2004	AWS	40
526	D3.7	Guide for Aluminum Hull Welding	2004	AWS	87
527	D16.1M/D16.1	Specification for Robotic Arc Welding Safety	2004	AWS	27
528	C7.1	Recommended Practices for Electron Beam Welding	2004	AWS	129
529	C5.6	Recommended Practices for Gas Metal Arc Welding R(1994)	2004	AWS	78
530	A5.8	Specification for Filler Metals for Brazing and Braze Welding	2004	AWS	47
531	A5.1/A5.1M	Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding	2004	AWS	55
532	D1.1/D1.1M	structural welding code steel	2004	AWS	541
533	F1.5M	Methods for Sampling and Analyzing Gases from Welding and Allied Processes	2003	AWS	55
534	F1.6	Guide for Estimating Welding Emissions for EPA and Ventilation Permit Reporting	2003	AWS	17
535	IBSC	International Brazing and Soldering Conference, February 17-19, 2003; Four Points Sheraton Hotel, San Diego, California	2003	AWS	0
536	SGSH	The Independent Shop s Guide to Welding Safety and Health	2003	AWS	43
537	SHF	Safety and Health Fact Sheets Third Edition	2003	AWS	61
538	B5.15	Specification for the Qualification of Radiographic Interpreters	2003	AWS	18
539	B5.1	Specification for the Qualification of Welding Inspectors Data Pending per AWS	2003	AWS	22
540	C2.23M/C2.23	Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel NACE 12, SSPC-CS 23.00	2003	AWS	98
541	D1.2/D1.2M	Structural Welding Code Aluminum Fourth Edition	2003	AWS	217
542	C7.3	Process Specification for Electron Beam Welding	2003	AWS	19
543	C2.23M C2.23	NULL	2003	AWS	49
544	C2.21M/C2.21	Specification for Thermal Spray Equipment Acceptance Inspection	2003	AWS	29
545	C5.5/C5.5M	Recommended Practices for Gas Tungsten Arc Welding	2003	AWS	131
546	C5.10/C5.10M	Recommended Practices for Shielding Gases for Welding and Cutting	2003	AWS	65
547	RWM	NULL	2003	AWS	0
548	EWB-12	NULL	2003	AWS	105
549	B2.1-1 8-010	NULL	2002	AWS	17
550	C2.20 C2.20M	NULL	2002	AWS	41
551	C2.16 C2.16M	NULL	2002	AWS	87
552	B2.1-1 8-231	NULL	2002	AWS	20
553	D1.5M/D1.5	Bridge Welding Code AASHTO BWC-4	2002	AWS	385
554	D8.9M	Recommended Practices for Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials SAE D8.9M-2002	2002	AWS	79
555	D1.1/D1.1M	Structural Welding Code - Steel Errata 07/15/2002 Incorporated	2002	AWS	543
556	C2.25/C2.25M	Specification for Thermal Spray Feedstock Solid and Composite Wire and Ceramic Rods	2002	AWS	27
557	C4.2	Operator's Manual for Oxyfuel Gas Cutting	2002	AWS	37
558	C2.16/C2.16M	Guide for Thermal-Spray Operator Qualification	2002	AWS	87
559	C2.20/C2.20M	Specificatiopn for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete	2002	AWS	41
560	CC-RM	Code Clinic for Study of AWS D1.1 Structural Welding Code-Steel - Reference Manual	2002	AWS	71
561	B2.1-22-015	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Aluminum, (M/P/S-22 TO M/P/S-22), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2002	AWS	18

562	B5.14	Specification for the Qualification of Welding Sales Representatives	2002	AWS	14
563	C3.3	Recommended Practices for Design, Manufacture, and Examination of Critical Brazed Components	2002	AWS	33
564	B2.1-1-011	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Galvanized Steel(M-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License	2002	AWS	18
565	B2.1-1-012	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1,P-1, or S-1 to M-1, P-1 or S-1), 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Si	2002	AWS	18
566	B2.1-8-005	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Austenitic Stainless Steel (M-8 or P-8, or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site Licen	2002	AWS	18
567	B2.1-8-009	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8,P-8,or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site Licens	2002	AWS	18
568	B2.1-8-013	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel, (SWPS) 10 Through 18 Gauge, in the As-Welded Condition, with or without Backing Site License	2002	AWS	18
569	B2.1-1-003	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Galvanized Steel, (M-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2002	AWS	18
570	B2.1-1-004	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel, (M-1, Group 1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Back	2002	AWS	18
571	B2.1-1-007	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Galvanized Steel,(M-1) 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2002	AWS	18
572	B2.1-1-008	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, P-1 or S-1), 18 Through 10 Gauge, in the As-Welded Condition, with or without Backing Site License	2002	AWS	18
573	B2.1-1/8-006	Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8, P-8 or S-8), 18 Through 10 Gauge, in the As-Welded Condition, with or with	2002	AWS	18
574	B2.1-1/8-010	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1, P-1, S-1 to M-8, P-8, or S-8), 18 Through 10 Gauge, in the As-Welded Condition	2002	AWS	18
575	B2.1-1/8-014	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel, (M-1 to M-8/P-8/S-8, Group 1), 10 Through 18 Gauge, in the As-Welded Condition, w	2002	AWS	18
576	B2.1-1/8-227	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 through 1-1/2 inch Thick,	2002	AWS	18
577	B2.1-1/8-228	Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick,	2002	AWS	18
578	B2.1-1/8-229	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/ S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/ P-8/S-8,	2002	AWS	22
579	B2.1-1/8-230	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/1	2002	AWS	20
580	B2.1-1/8-231	Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1,Groups 1 or 2) to Austenitic Stain	2002	AWS	20
581	PRGWA	The Practical Reference Guide for Welding Aluminum Commercial Applications	2002	AWS	41
582	IFS-02	International Index of Welding Filler Metal Classifications	2002	AWS	55
583	PRGHF	The Practical Reference Guide for Hardfacing	2002	AWS	21
584	G2.1M/G2.1	Guide for the Joining of Wrought Nickel-Based Alloys Reprinted, Incorporates Errata: October 2003	2002	AWS	57
585	QC17	Standard for Accreditation of Welding Fabricators for AWS Certified Welding Fabricator Program	2002	AWS	14
586	QC19	Specification for AWS Certification of Robotic Arc Welding Personnel	2002	AWS	24
587	G1.10M	Guide for The Evaluation of Hot Gas, Hot Gas Extrusion, and Heated Tool Butt Thermoplastic Welds	2001	AWS	45
588	PRGQA	The Practical Reference Guide for Welding Aluminum High-Quality Fusion Welding	2001	AWS	21
589	PCWC	Preparing Containers for Welding or Cutting	2001	AWS	0
590	F2.2	Lens Shade Selector	2001	AWS	1

591	F2.3M	Specification for Use and Performance of Transparent Welding Curtains and Screens	2001	AWS	15
592	F3.2M/F3.2	Ventilation Guide for Weld Fume	2001	AWS	36
593	WHB-1.9	Welding Science and Technology Ninth Edition; Volume I(Welding Handbook, Volume 1)	2001	AWS	758
594	WHB-1.9 APP A	Terms and Definitions(Welding Handbook, Volume 1)	2001	AWS	89
595	WHB-1.9 APP B	Metric Practice Guide for the Welding Industry(Welding Handbook, Volume 1)	2001	AWS	24
596	WHB-1.9 CH1	Survey of Joining, Cutting, and Allied Processes(Welding Handbook, Volume 1)	2001	AWS	50
597	WHB-1.9 CH2	Physics of Welding and Cutting(Welding Handbook, Volume 1)	2001	AWS	35
598	WHB-1.9 CH3	Heat Flow in Welding(Welding Handbook, Volume 1)	2001	AWS	27
599	WHB-1.9 CH4	Welding Metallurgy(Welding Handbook, Volume 1)	2001	AWS	42
600	WHB-1.9 CH5	Design for Welding(Welding Handbook, Volume 1)	2001	AWS	82
601	WHB-1.9 CH6	Test Methods for Evaluating Welded Joints(Welding Handbook, Volume 1)	2001	AWS	57
602	WHB-1.9 CH7	Residual Stress and Distortion(Welding Handbook, Volume 1)	2001	AWS	61
603	WHB-1.9 CH8	Symbols for Joining and Inspection(Welding Handbook, Volume 1)	2001	AWS	35
604	WHB-1.9 CH9	Weldment Tooling and Positioning(Welding Handbook, Volume 1)	2001	AWS	26
605	WHB-1.9 CH10	Monitoring and Control of Welding and Joining Process(Welding Handbook, Volume 1)	2001	AWS	29
606	WHB-1.9 CH11	Mechanized, Automated, and Robotic Welding(Welding Handbook, Volume 1)	2001	AWS	32
607	WHB-1.9 CH12	Economics of Welding and Cutting(Welding Handbook, Volume 1)	2001	AWS	49
608	WHB-1.9 CH13	Weld Quality(Welding Handbook, Volume 1)	2001	AWS	45
609	WHB-1.9 CH14	Welding Inspection and Nondestructive Examination(Welding Handbook, Volume 1)	2001	AWS	58
610	WHB-1.9 CH15	Qualification and Certification(Welding Handbook, Volume 1)	2001	AWS	45
611	WHB-1.9 CH16	Codes and Other Standards(Welding Handbook, Volume 1)	2001	AWS	27
612	WHB-1.9 CH17	Safe Practices	2001	AWS	47
613	WHB-1.9 HDBK	Welding Science and Technology(Welding Handbook, Volume 1)	2001	AWS	920
614	WHB-1.9 IMS	Index of Major Subjects	2001	AWS	18
615	WHB-1.9 INDEX	Index	2001	AWS	28
616	API-M	Code Clinic for Study of API Standard 1104 Nineteenth Edition Welding of Pipelines and Related Facilities - Reference Manual	2001	AWS	60
617	ARE-5	Design for Welding	2001	AWS	169
618	ARE-6	Test Methods for Evaluating Welded Joints	2001	AWS	139
619	ARE-7	Residual Stress and Distortion	2001	AWS	129
620	ARE-12	Economics of Welding and Cutting	2001	AWS	105
621	A1.1	Metric Practice Guide for the Welding Industry	2001	AWS	41
622	A3.0	Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying	2001	AWS	147
623	A4.4M	Standard Procedures for Determination of Moisture Content of Welding Fluxes and Welding Electrode Flux Coverings	2001	AWS	30
624	A5.18/A5.18M	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding	2001	AWS	40
625	A5.21	Specification for Bare Electrodes and Rods for Surfacing R(1989)	2001	AWS	38
626	B5.16	Specification for the Qualification of Welding Engineers	2001	AWS	22

627	B2.1-8-216	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2	2001	AWS	25
628	B5.2	Specification for the Qualification of Welding Inspector Specialists and Welding Inspector Assistants	2001	AWS	21
629	B2.1-8-024	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 Through 1-1/2 Inch Thick, ER3XX, As-Welded Condition Primarily Plate and S	2001	AWS	26
630	B2.1-8-025	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, E3XX-XX, A	2001	AWS	26
631	B2.1-8-212	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 Through 1-1/2 Inch Thick, ER3XX, As-Welded Condition, Primarily Pipe Appli	2001	AWS	22
632	B2.1-1-210	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Inserts of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, INMs-1 and ER70S-2, As-Welded or P	2001	AWS	22
633	B2.1-1-211	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S- 1, Group 1 or 2), 1/8 Through 1-1/2 In	2001	AWS	22
634	B2.1-8-214	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, ER3XX, E3X	2001	AWS	23
635	C5.2	Recommended Practices for Plasma Arc Cutting and Gouging	2001	AWS	53
636	C3.2M/C3.2	Standard Method for Evaluating the Strength of Brazed Joints Errata 2001	2001	AWS	38
637	D10.13/D10.13 M	Recommended Practices for the Brazing of Copper Tubing and Fittings for Medical Gas Systems	2001	AWS	20
638	D15.1	Railroad Welding Specification - Cars and Locomotives	2001	AWS	388
639	D16.2/D16.2M	Guide for Components of Robotic and Automatic Arc Welding Installations	2001	AWS	25
640	D16.3M/D16.3	Risk Assessment Guide for Robotic Arc Welding	2001	AWS	22
641	D17.1	Specification for Fusion Welding for Aerospace Applications Incorporating Errata	2001	AWS	95
642	EWB-11	Effects of Welding on Health, XI	2001	AWS	81
643	EWB-ACD	Effects of Welding on Health, All Volumes 1 through 11 and CD-Rom Index	2001	AWS	0
644	EWB-ALL	Effects of Welding on Health Set of 11 Books - Includes Hardcopy Index	2001	AWS	0
645	EWB-ICD	Effects of Welding on Health, Volume 1 through 11 CD-Rom Index	2001	AWS	0
646	C2.18	Guide for the Protection of Steel with Thermal Sprayed Coatings of Aluminum and Zinc and Their Alloys and Composites	2001	AWS	43
647	D10.13_D10.13 M	NULL	2001	AWS	21
648	F3.2M F3.2	NULL	2001	AWS	43
649	WHC1.04	NULL	2001	AWS	48
650	WHC1.05	NULL	2001	AWS	82
651	WHC1.06	NULL	2001	AWS	58
652	WHC1.07	NULL	2001	AWS	62
653	WHC1.08	NULL	2001	AWS	42
654	WHC1.10	NULL	2001	AWS	36
655	WHC1.11	NULL	2001	AWS	38
656	WHC1.12	NULL	2001	AWS	50
657	B2.1-8-215	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, IN3XX and ER3XX, As-Welded	2001	AWS	25
658	WIH	Welding Inspection Handbook	2001	AWS	243
659	PHB-4	NULL	2000	AWS	50
660	PHB-5	NULL	2000	AWS	24

661	SHB	Soldering Handbook(Soldering Manual)	2000	AWS	577
662	D10.12M_D10.12	NULL	2000	AWS	49
663	D3.5	Guide for Steel Hull Welding R(2000)	2000	AWS	122
664	D10.4	Recommended Practices for Welding Austenitic Chromium-Nickel Stainless Steel Piping and Tubing R(2000)	2000	AWS	44
665	D10.6 D10.6M	NULL	2000	AWS	29
666	D14.3/D14.3M	Specification for Welding Earthmoving and Construction Equipment	2000	AWS	106
667	D10.12M/D10.12	Guide for Welding Mild Steel Pipe	2000	AWS	45
668	D10.6/D10.6M	Recommended Practices for Gas Tungsten Arc Welding of Titanium Pipe and Tubing	2000	AWS	25
669	D10.7M/D10.7	Guide for the Gas Shielded Arc Welding of Aluminum and Aluminum Alloy Pipe R(1992)	2000	AWS	38
670	D8.14M/D8.14	Specification for Automotive and Light Truck Components Weld Quality - Aluminum Arc Welding	2000	AWS	27
671	D9.1M/D9.1	Sheet Metal Welding Code	2000	AWS	54
672	C5.7	Recommended Practices for Electrogas Welding	2000	AWS	65
673	D1.1-BI	The Official Book of D1.1 Interpretations - a Collection of Responses to Formal Inquiries About the Requirements of AWS D1.1 (1976-1998)	2000	AWS	48
674	C5.3	Recommended Practices for Air Carbon Arc Gouging and Cutting	2000	AWS	29
675	C4.5M	Uniform Designation System for Oxyfuel Nozzles Errata:2000	2000	AWS	14
676	CM	Certification Manual for Welding Inspectors Fourth Edition	2000	AWS	317
677	CM ANNEX A	Additional Resources	2000	AWS	6
678	CM ANNEX B	Sample Forms	2000	AWS	14
679	CM ANNEX C	Answer Key Review Questions Chapters 1 - 13	2000	AWS	5
680	CM CH 1	Welding Inspector	2000	AWS	10
681	CM CH 2	Welding Inspector Responsibilities	2000	AWS	16
682	CM CH 3	Safety	2000	AWS	9
683	CM CH 4	Standards, Including Codes and Specifications	2000	AWS	9
684	CM CH 5	Weld Geometry and Welding Terminology	2000	AWS	24
685	CM CH 6	Welding and Nondestructive Examination Symbols	2000	AWS	32
686	CM CH 7	Weldability, Welding Metallurgy, and Welding Chemistry	2000	AWS	22
687	CM CH 8	Destructive Testing	2000	AWS	32
688	CM CH 9	Welding, Procedure and Welder Qualification	2000	AWS	22
689	CM CH 10	Welding, Brazing, and Cutting Processes	2000	AWS	40
690	CM CH 11	Weld and Base Metal Discontinuities	2000	AWS	25
691	CM CH 12	Nondestructive Examination (NDE) Processes	2000	AWS	20
692	CM CH 13	Inspection Reports	2000	AWS	5
693	CM INDEX	(Withdrawn)Index	2000	AWS	0
694	CM INTRO	Contents; 2000	2000	AWS	16
695	B5.5	Specification for the Qualification of Welding Educators	2000	AWS	27
696	B5.9	Specification for the Qualification of Welding Supervisors	2000	AWS	15
697	B4.0M	Standard Methods for Mechanical Testing of Welds	2000	AWS	113
698	C1.1M/C1.1	Recommended Practices for Resistance Welding	2000	AWS	114
699	B5.17	Specification for the Qualification of Welding Fabricators	2000	AWS	13

700	A5.13	Specification for Surfacing Electrodes for Shielded Metal Arc Welding	2000	AWS	33
701	B1.11	Guide for the Visual Examination of Welds	2000	AWS	45
702	B2.1	Specification for Welding Procedure and Performance Qualification	2000	AWS	249
703	PWE	The Practical Welding Engineer	2000	AWS	154
704	PHB-2	Everyday Pocket Handbook for Visual Inspection and Weld Discontinuities	2000	AWS	0
705	FMC	Filler Metal Comparison Charts	2000	AWS	472
706	FMPK	Filler Metal Comparison Charts and CD Package	2000	AWS	0
707	WI	Welding Inspection Handbook Third Edition(Welding Inspection)	2000	AWS	255
708	WI CH 1	Application and Scope(Welding Inspection)	2000	AWS	0
709	WI CH 2	Symbols(Welding Inspection)	2000	AWS	0
710	WI CH 3	Requirements for the Welding Inspector(Welding Inspection)	2000	AWS	0
711	WI CH 4	Welding Inspection Operations(Welding Inspection)	2000	AWS	0
712	WI CH 5	Inspection Safety Considerations(Welding Inspection)	2000	AWS	3
713	WI CH 6	Quality Assurance(Welding Inspection)	2000	AWS	0
714	WI CH 7	Ferrous Welding Metallurgy(Welding Inspection)	2000	AWS	0
715	WI CH 8	Preheating and Postweld Heat Treating(Welding Inspection)	2000	AWS	0
716	WI CH 9	Weld and Weld Related Discontinuities(Welding Inspection)	2000	AWS	0
717	WI CH 10	Qualification of Welding Procedure Specifications(Welding Inspection)	2000	AWS	0
718	WI CH 11	Qualification of Welders and Welding Operators(Welding Inspection)	2000	AWS	11
719	WI CH 12	Computerization of Welding Inspection and Quality(Welding Inspection)	2000	AWS	6
720	WI CH 13	Destructive Testing of Welds(Welding Inspection)	2000	AWS	0
721	WI CH 14	Proof Tests(Welding Inspection)	2000	AWS	0
722	WI CH 15	Nondestructive Examination Methods(Welding Inspection)	2000	AWS	89
723	WI CH 16	Qualification of Nondestructive Examination Personnel(Welding Inspection)	2000	AWS	1
724	WI CH 17	Codes and Other Standards(Welding Inspection)	2000	AWS	0
725	WI CH 18	Metric Practice(Welding Inspection)	2000	AWS	0
726	WI INDEX	Index to Welding Inspection(Welding Inspection)	2000	AWS	0
727	WI TABLE OF CONTENTS	Welding Inspection Handbook Third Edition(Welding Inspection)	2000	AWS	10
728	WIT-T	Welding Inspection Technology Fourth Edition	2000	AWS	0
729	WIT-W-99	Welding Inspection Technology Wookbook Third Edition	1999	AWS	0
730	Z49.1	Safety in Welding, Cutting and Allied Processes	1999	AWS	58
731	G1.2M/G1.2	Specification for Standardized Ultrasonic Welding Test Specimen for Thermoplastics	1999	AWS	28
732	PRGT	The Practical Reference Guide for Welding Titanium	1999	AWS	16
733	PRGVT	The Practical Reference Guide for Welding Inspection Management - Visual Inspection of Pressure Vessels and Pressure Piping	1999	AWS	32
734	PASS	Professional's Advisor on Welding Stainless Steels	1999	AWS	0
735	F4.1	Recommended Safe Practices for the Preparation for Welding and Cutting of Containers and Piping	1999	AWS	13
736	PRGWM	The Practical Reference Guide to Welding Metallurgy - Key Concepts for Weldability	1999	AWS	34
737	PRGC	The Practical Reference Guide for Corrosion of Welds - Causes and Cures	1999	AWS	29
738	SHB	Soldering Handbook(Soldering Manual)	1999	AWS	575

739	SHB ANNEX A	Annex A(Soldering Manual)	1999	AWS	3
740	SHB ANNEX B	Annex B(Soldering Manual)	1999	AWS	1
741	SHB ANNEX C	Annex C(Soldering Manual)	1999	AWS	9
742	SHB ANNEX D	Annex D(Soldering Manual)	1999	AWS	4
743	SHB ANNEX E	Annex E(Soldering Manual)	1999	AWS	10
744	SHB CH 1	Fundamentals of Soldering Technology(Soldering Manual)	1999	AWS	178
745	SHB CH 2	Solders Materials(Soldering Manual)	1999	AWS	50
746	SHB CH 3	Substrate Materials(Soldering Manual)	1999	AWS	62
747	SHB CH 4	Fluxes(Soldering Manual)	1999	AWS	20
748	SHB CH 5	Solder Pastes(Soldering Manual)	1999	AWS	2
749	SHB CH 6	Assembly Processes(Soldering Manual)	1999	AWS	134
750	SHB CH 7	Inspection Techniques for Product Acceptance and Process Optimization(Soldering Manual)	1999	AWS	53
751	SHB CH 8	Environmental, Safety, and Health(Soldering Manual)	1999	AWS	12
752	SHB INDEX	Index to Soldering Handbook(Soldering Manual)	1999	AWS	10
753	SHB INTRO	Soldering Handbook(Soldering Manual)	1999	AWS	27
754	API-IM	Code Clinic for Study of API Standard 1104 Eighteenth Edition Welding of Pipelines and Related Facilities - Instruction Manual	1999	AWS	135
755	AWS	Arc Welding Safety	1999	AWS	0
756	B1.10	Guide for the Nondestructive Examination of Welds	1999	AWS	45
757	A5.3/A5.3M	Specification for Aluminum and Aluminum-Alloy Electrodes for Shielded Metal Arc Welding	1999	AWS	26
758	A5.10/A5.10M	Specification for Bare Aluminum and Aluminum-Alloy Welding Electrodes and Rods	1999	AWS	38
759	B2.1-4-217	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), ER80S-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 3/4 in. Th	1999	AWS	20
760	B2.1-4-218	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick As-Welded Condition, 1/8 Through 1-1/2 in	1999	AWS	18
761	B2.1-4-219	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2 in. Thick, As-Welded Con	1999	AWS	21
762	B2.1-4-220	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 Through 1/2 in. Thick, As-Welded Condi	1999	AWS	23
763	B2.1-4-221	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), 1/8 Through 1/2	1999	AWS	23
764	B2.1-5A-222	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER90S-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 in. Thick, PWHT	1999	AWS	20
765	B2.1-5A-223	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), ER9018-B3, 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 1-1/2 in. Thick,	1999	AWS	19
766	B2.1-5A-224	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8	1999	AWS	21
767	B2.1-5A-225	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick, As-Welded Condition, 1/8 Through 3/4 i	1999	AWS	23
768	B2.1-5A-226	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding (Consumable Insert Root) Followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-5A/P-5A), 1/8 Through 1/2 in. Thick,	1999	AWS	23
769	C1.4M/C1.4	Specification for Resistance Welding of Carbon and Low-Alloy Steels	1999	AWS	28

770	C3.4	Specification for Torch Brazing	1999	AWS	16
771	C3.5	Specification for Induction Brazing	1999	AWS	16
772	C3.6	Specification for Furnace Brazing	1999	AWS	17
773	C3.7	Specification for Aluminum Brazing	1999	AWS	19
774	C7.3	Process Specification for Electron Beam Welding	1999	AWS	20
775	C7.1	Recommended Practices for Electron Beam Welding	1999	AWS	64
776	D1.6	Structural Welding Code - Stainless Steel	1999	AWS	215
777	D3.6M	Specification for Underwater Welding	1999	AWS	132
778	D10.10/D.10M	Recommended Practices for Local Heating of Welds in Piping and Tubing	1999	AWS	107
779	D16.4	Specification for the Qualification of Robotic Arc Welding Personnel	1999	AWS	15
780	F1.1	Method for Sampling Airborne Particulates Generated by Welding and Allied Processes	1999	AWS	17
781	F1.2	Laboratory Method for Measuring Fume Generation Rates and Total Fume Emission of Welding and Allied Processes	1999	AWS	18
782	F1.3	Sampling Strategy Guide for Evaluating Contaminants in the Welding Environment	1999	AWS	23
783	D18.1	Specification for Welding of Austenitic Stainless Steel Tube and Pipe Systems in Sanitary (Hygienic) Applications	1999	AWS	19
784	D18.2	Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube	1999	AWS	2
785	DPW	Design and Planning Manual for Cost-Effective Welding	1999	AWS	132
786	D1.3	Structural Welding Code - Sheet Steel Errata	1998	AWS	74
787	D1.4	Structural Welding Code - Reinforcing Steel Errata	1998	AWS	55
788	C7.2	Recommended Practices for Laser Beam Welding, Cutting, and Drilling	1998	AWS	116
789	CC-IM	Code Clinic for Study of AWS D1.1 Structural Welding code - Steel	1998	AWS	96
790	B4.0	Standard Methods for Mechanical Testing of Welds	1998	AWS	113
791	B2.1-8-215	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, IN3XX and ER3XX, As-Welded	1998	AWS	20
792	B2.1-1-027	Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1/2 Inch Thick, E71T-11, As-Welded Condition Site License	1998	AWS	18
793	A2.1-DC	Welding Symbols Chart - Desk Size (Laminated)	1998	AWS	0
794	A2.1-WC	Welding Symbols Chart - Wall Size of A2.1 (Laminated)	1998	AWS	0
795	A2.1 WC & DC	Welding Symbols Wall and Desk Charts (Laminated)	1998	AWS	0
796	A2.4	Standard Symbols for Welding, Brazing, and Nondestructive Examination	1998	AWS	118
797	A2.4/A2.1 SET	Standard Symbols for Welding, Brazing, and Nondestructive Examination Book and Charts Set	1998	AWS	0
798	A5.12/A5.12M	Specification for Tungsten and Tungsten-Alloy Electrodes for Arc Welding and Cutting	1998	AWS	22
799	A5.29	Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding	1998	AWS	47
800	EWB-10	Effects of Welding on Health X	1998	AWS	101
801	FACT SHEET NO. 19	Laser Welding and Cutting Safety	1998	AWS	2
802	IFS-P	Package of Book and CD to IFS:1998	1998	AWS	0
803	IQCC	Welding Inspection & Quality Control Course 36; Lesson Number and Title; 1-14	1998	AWS	483
804	GWF	Guide for the Design of a Welder Training Facility	1998	AWS	45
805	URS	AWS Ultrasonic Rulers and Guide Set	1998	AWS	0
806	VIW-IM	Visual Inspection Workshop Instructors Manual	1998	AWS	63
807	WHB-4 PART 2	Materials and Applications - Part 2 Eighth Edition(Welding Handbook, Vol. 4)	1998	AWS	12

808	WHB-4 PART 2 CH 1	Carbon and Low-Alloy Steels(Welding Handbook, Vol. 4)	1998	AWS	73
809	WHB-4 PART 2 CH 2	High-Alloy Steels(Welding Handbook, Vol. 4)	1998	AWS	36
810	WHB-4 PART 2 CH 3	Coated Steels(Welding Handbook, Vol. 4)	1998	AWS	86
811	WHB-4 PART 2 CH 4	Tool and Die Steels(Welding Handbook, Vol. 4)	1998	AWS	35
812	WHB-4 PART 2 CH 5	Stainless and Heat-Resisting Steels(Welding Handbook, Vol. 4)	1998	AWS	100
813	WHB-4 PART 2 CH 6	Clad and Dissimilar Metals(Welding Handbook, Vol. 4)	1998	AWS	57
814	WHB-4 PART 2 CH 7	Surfacing(Welding Handbook, Vol. 4)	1998	AWS	46
815	WHB-4 PART 2 CH 8	Cast Irons(Welding Handbook, Vol. 4)	1998	AWS	50
816	WHB-4 PART 2 CH 9	Titanium and Titanium Alloys(Welding Handbook, Vol. 4)	1998	AWS	54
817	WHB-4 PART 2 CH 10	Reactive Refractory, and Precious Metals and Alloys(Welding Handbook, Vol. 4)	1998	AWS	39
818	WHB-4 PART 2 HDBK	Materials and Applications - Part 2 Eighth Edition(Welding Handbook, Vol. 4)	1998	AWS	586
819	WHB-4 PART 2 INDEX	Welding Handbook Index of Major Subjects(Welding Handbook, Vol. 4)	1998	AWS	40
820	PHB-7	NULL	1998	AWS	35
821	PHB-8	NULL	1998	AWS	32
822	PARW	NULL	1998	AWS	85
823	WIT	Welding Inspection Technology WORKBOOK	1998	AWS	82
824	RWMA BULLETIN 34	NULL	1997	AWS	15
825	VIW-M	Visual Inspection Workshop Reference Manual	1997	AWS	148
826	WQAG	Welding Quality Assurance Guideline for Fabricators	1997	AWS	0
827	FACT SHEET NO. 18	Lockout/Tagout	1997	AWS	1
828	FWSH	Design Handbook for Calculating Fillet Weld Sizes	1997	AWS	27
829	JWE	Jefferson's Welding Encyclopedia Eighteenth Edition	1997	AWS	768
830	FACT SHEET NO. 20	Thermal Spraying Safety	1997	AWS	3
831	FGW	Contents(Fumes and Gases in the Welding Environment)	1997	AWS	14
832	FACT SHEET NO. 2	Radiation	1997	AWS	3
833	FACT SHEET NO. 16	Pacemakers and Welding	1997	AWS	1
834	FACT SHEET NO. 5	Electrical Hazards	1997	AWS	2
835	A5.30	Specification for Consumable Inserts	1997	AWS	29

836	A5.32	Specification for Welding Shielding Gases	1997	AWS	26
837	A5-ALL	Filler Metal Procurement Guidelines	1997	AWS	0
838	A5.14/A5.14M	Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods	1997	AWS	30
839	A5.17/A5.17M	Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding	1997	AWS	37
840	A5.23/A5.23M	Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding	1997	AWS	44
841	A5.25/A5.25M	Specification for Carbon and Low-Alloy Steel Electrodes and Fluxes for Electroslag Welding R(2003)	1997	AWS	37
842	A5.26/A5.26M	Specification for Carbon and Low-Alloy Steel Electrodes and Electrogas Welding R(2003)	1997	AWS	37
843	A4.2M/A4.2	Standard Procedures for Calibrating Magnetic Instruments to Measure the Delta Ferrite Content of Austenitic and Duplex Ferritic-Austenitic Stainless Steel Weld Metal	1997	AWS	31
844	A5.11/A5.11M	Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding	1997	AWS	41
845	B2.1-8-213	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, ER3XX-XX, As-Welded Condition (Primarily Pipe A	1997	AWS	20
846	D14.1	Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment	1997	AWS	141
847	D8.8	Specification for Automotive and Light Truck Components Weld Quality - Arc Welding SAE HS J1196	1997	AWS	21
848	F1.4	Methods for Analysis of Airborne Particulates Generated by Welding and Allied Processes	1997	AWS	25
849	D14.4	Specification for Welded Joints in Machinery and Equipment	1997	AWS	138
850	D14.5	Specification for Welding of Presses and Press Components	1997	AWS	157
851	D14.6	Specification for Welding of Rotating Elements of Equipment	1996	AWS	110
852	EG3.0	Guide for the Training and Qualification of Welding Personnel Level II - Advanced Welder	1996	AWS	164
853	EG4.0	Guide for the Training and Qualification of Welding Personnel Level III - Expert Welder	1996	AWS	150
854	ELW-SET	EG2.0-95 And QC10-95	1996	AWS	0
855	ELW-SET-B	EG3.0-96 and QC11-96	1996	AWS	0
856	ELW-SET-C	EG4.0-96 and QC12-96	1996	AWS	0
857	ELW-SET-D	Econo Package: EG2.0-95, EG3.0-96, EG4.0-96, QC10-95, QC11-96, QC12-96	1996	AWS	0
858	D10.8	Recommended Practices for Welding of Chromium-Molybdenum Steel Piping and Tubing	1996	AWS	19
859	D1.5-M	Bridge Welding Code AASHTO BWC-3	1996	AWS	236
860	A5.5	Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding	1996	AWS	55
861	A5.28	Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding	1996	AWS	43
862	B2.1-1-201	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill	1996	AWS	13
863	B2.1-1-202	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphi	1996	AWS	13
864	B2.1-1-203	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Uphill), As-Welded Condition (Primarily Pi	1996	AWS	13
865	B2.1-1-204	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 3/4 Inch Thick, E6010 (Vertical Downhill Root with the Balance Vertical Up	1996	AWS	13
866	B2.1-1-205	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphi	1996	AWS	15
867	B2.1-1-206	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Up	1996	AWS	14
868	B2.1-1-207	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2, As- Welded or PWHT Condition (Primarily Pipe Appl	1996	AWS	13
869	B2.1-1-208	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition (Primarily Pipe Appli	1996	AWS	12

870	B2.1-1-209	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,	1996	AWS	16
871	FACT SHEET NO. 17	Electric and Magnetic Fields (EMF)	1996	AWS	1
872	PHSP WC & DC	Suggester Filler Materials and Minimum Preheat Temperatures for Welding Steel Pipe with Wall Thickness Less than 3/4", Wall and Desk Charts	1996	AWS	0
873	PHSS WC & DC	Suggested Pretemperatures for Welding Structural Steel Materails Wall and Desk Charts	1996	AWS	0
874	FMS D	Suggested Filler Materials for Welding Structural Steel Desk Chart	1996	AWS	0
875	FMS W	Suggested Filler Materials for Welding Structural Steel Wall Chart	1996	AWS	0
876	FMS WC & DC	Suggested Filler Materials for Welding Structural Steel, Wall Chart and Desk Chart	1996	AWS	0
877	FORM E-1	Welding Procedure Specification (WPS)	1996	AWS	0
878	FORM E-3	WPS Qualification Test Record for Electroslag and Electrogas Welding	1996	AWS	0
879	FORM E-4	Welder, Welding Operator, or Tack Welder Qualification Test Record	1996	AWS	0
880	FORM E-7	Report of Radiographic Examination of Welds	1996	AWS	0
881	FORM E-8	Report of Magnetic-Particle Examination of Welds	1996	AWS	0
882	FORM E-9	Stud Welding Procedure Specification (WPS) or Procedure Qualification Record (PQR) or Welding Qualification Record (WQR)	1996	AWS	0
883	QC1	Standard for AWS Certification of Welding Inspectors	1996	AWS	18
884	TSM	Thermal Spray Manual - A Practicle Reference Guide	1996	AWS	184
885	QC11	Specification for Qualification and Certification for Level II - Advanced Welders	1996	AWS	40
886	QCM12	Specification for Qualification and Certification for Level III - Expert Welders	1996	AWS	32
887	WHB-3	Materials and Applications - Part 1(Welding Handbook, Vol. 3)	1996	AWS	11
888	WHB-3 CH 1	Aluminum and Aluminum Alloys(Welding Handbook, Vol. 3)	1996	AWS	119
889	WHB-3 CH 2	Magnesium and Magnesium Alloys(Welding Handbook, Vol. 3)	1996	AWS	42
890	WHB-3 CH 3	Copper and Copper Alloys(Welding Handbook, Vol. 3)	1996	AWS	54
891	WHB-3 CH 4	Nickel and Cobalt Alloys(Welding Handbook, Vol. 3)	1996	AWS	72
892	WHB-3 CH 5	Lead and Zinc(Welding Handbook, Vol. 3)	1996	AWS	29
893	WHB-3 CH 6	Plastics(Welding Handbook, Vol. 3)	1996	AWS	33
894	WHB-3 CH 7	Composites(Welding Handbook, Vol. 3)	1996	AWS	36
895	WHB-3 CH 8	Ceramics(Welding Handbook, Vol. 3)	1996	AWS	28
896	WHB-3 CH 9	Maintenance and Repair Welding(Welding Handbook, Vol. 3)	1996	AWS	28
897	WHB-3 CH 10	Underwater Welding and Cutting(Welding Handbook, Vol. 3)	1996	AWS	56
898	WHB-3 HDBK	Materials and Applications - Part 1(Welding Handbook, Vol. 3)	1996	AWS	533
899	WHB-3 INDEX	Index(Welding Handbook, Vol. 3)	1996	AWS	25
900	RWMA BULLETIN 14	NULL	1996	AWS	30
901	RWMA BULLETIN 16	NULL	1996	AWS	157
902	QC12	NULL	1996	AWS	34
903	WHB-3.8	NULL	1996	AWS	533
904	QC10	Specification for Qualification and Certification for Entry Level Welders	1995	AWS	26
905	UGFM	AWS User's Guide to Filler Metals	1995	AWS	127

906	WJT-G	Joint - Weld Terminology and Standard Welding Symbols Interpretation	1995	AWS	0
907	PRG	The Practical Reference Guide for Radiographic Inspection - Acceptance Criteria	1995	AWS	35
908	FACT SHEET NO. 3	Noise	1995	AWS	2
909	FACT SHEET NO. 4	Chromium and Nickel in Welding Fume	1995	AWS	2
910	FACT SHEET NO. 1	Fumes and Gases	1995	AWS	2
911	FACT SHEET NO. 6	Fire and Explosion Prevention	1995	AWS	2
912	FACT SHEET NO. 7	Burn Protection	1995	AWS	2
913	FACT SHEET NO. 8	Mechanical Hazards	1995	AWS	2
914	FACT SHEET NO. 9	Tripping and Falling	1995	AWS	2
915	FACT SHEET NO. 10	Falling Objects	1995	AWS	1
916	FACT SHEET NO. 11	Confined Spaces	1995	AWS	2
917	FACT SHEET NO. 12	Contact Lens Wear	1995	AWS	2
918	FACT SHEET NO. 13	Ergonomics in the Welding Environment	1995	AWS	2
919	FACT SHEET NO. 14	Graphic Symbols for Precautionary Labels	1995	AWS	3
920	FACT SHEET NO. 15	Style Guidelines for Safety and Health Documents	1995	AWS	3
921	EWB-9	Effects of Welding on Health IX	1995	AWS	72
922	A5.20	Specification for Carbon Steel Electrodes for Flux Cored Arc Welding	1995	AWS	41
923	A5.22	Specification for Stainless Steel Electrodes for Flux Cored Arc Welding and Stainless Steel Flux Cored Rods for Gas Tungsten Arc Welding	1995	AWS	45
924	AWR	Arc Welding with Robots: Do's and Don'ts	1995	AWS	0
925	D10.13	Recommended Practices for the Brazing of Copper Pipe and Tubing for Medical Gas Systems	1995	AWS	15
926	EG2.0	Guide for The Training and Qualification of Welding Personnel Entry Level Welder	1995	AWS	131
927	D15.2	Recommended Practices for the Welding of Rails and Related Rail Components for Use by Rail Vehicles	1994	AWS	38
928	D16.2	Standard for Components of Robotic and Automatic Welding Installations	1994	AWS	16
929	C5.10	Recommended Practices for Shielding Gases for Welding and Plasma Arc Cutting	1994	AWS	54
930	B2.1-1-016	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E7018, As-Welded or PWHT Condition Site License	1994	AWS	18
931	B2.1-1-017	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010, As-Welded or PWHT Condition Site License	1994	AWS	18
932	B2.1-1-018	Standard Welding Procedure Specification (WPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E71T-8, As-Welded Condition Site License	1994	AWS	18
933	B2.1-1-019	Standard Welding Procedure Specification (WPS) for CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded Condition Site Lic	1994	AWS	18

934	B2.1-1-020	Standard Welding Procedure Specification (WPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E70T-1 and E71T-1, As-Welded or PWHT	1994	AWS	18
935	B2.1-1-021	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, ER70S-2 and E7018,	1994	AWS	18
936	B2.1-1-022	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Uphill) Followed by E7018, As-Welded or	1994	AWS	18
937	B2.1-1-026	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 Through 1-1/2 Inch Thick, E6010 (Vertical Downhill) Followed by E7018, As-Welded o	1994	AWS	18
938	B2.1-8-023	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 Through 1-1/2 Inch Thick, As-Welded Condition Site License	1994	AWS	18
939	EWB-8	Effects of Welding on Health VIII	1994	AWS	57
940	PHB-1	Everyday Pocket Handbook for Arc Welding Steel	1994	AWS	0
941	WM 1.4	Welding Metallurgy Volume I, Fundamentals Fourth Edition; Volume 1	1994	AWS	966
942	RWMA BULLETIN 5	NULL	1994	AWS	67
943	QC7 SUPP C	NULL	1993	AWS	40
944	QC7 SUPP F	NULL	1993	AWS	24
945	QC7 SUPP G	NULL	1993	AWS	12
946	QC7 Supplement F	Supplement Fù Chemical Plant and Petroleum Refinery Piping	1993	AWS	24
947	QC7 Supplement G	Supplement Gù AWS Performance Qualification Test	1993	AWS	12
948	QC7	Standard for AWS Certified Welders	1993	AWS	12
949	QC2	Recommended Practice for the Training, Qualification and Certification of Welding Inspector Specialist and Welding Inspector Assistant	1993	AWS	15
950	A5.9	Specification for Bare Stainless Steel Welding Electrodes and Rods	1993	AWS	33
951	A4.3	Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding	1993	AWS	27
952	A5.01	Filler Metal Procurement Guidelines R(1999)	1993	AWS	19
953	A2.4-SP	Standard Symbols for Welding, Brazing and Nondestructive Examination Spanish	1993	AWS	120
954	D3.5	Guide for Steel Hull Welding R(2000)	1993	AWS	117
955	D14.2	Specification for Metal Cutting Machine Tool Weldments	1993	AWS	40
956	C5.4	Recommended Practices for Stud Welding	1993	AWS	52
957	C2.18	Guide for the Protection of Steel with Thermal Sprayed Coatings of Aluminum and Zinc and Their Alloys and Composites	1993	AWS	40
958	BRS	Braze Safety	1992	AWS	0
959	A5.4	Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding Supersedes SAE AMS 5777 R(2000)	1992	AWS	39
960	A5.2	Specification for Carbon and Low Alloy Steel Rods for Oxyfuel Gas Welding	1992	AWS	21
961	A5.8	Specification for Filler Metals for Brazing and Braze Welding	1992	AWS	33
962	A5.19	Specification for Magnesium Alloy Welding Electrodes and Rods R(1997)	1992	AWS	26
963	A5.31	Specification for Fluxes for Brazing and Braze Welding R(2003)	1992	AWS	23
964	A9.1	Standard Guide for Describing Arc Welds in Computerized Material Property and Nondestructive Examination Databases	1992	AWS	15
965	A9.2	Standard Guide for Recording Arc Weld Material Property and Nondestructive Examination Data in Computerized Databases	1992	AWS	13
966	QC5G	Guide to AWS Welding Educator Qualification and Certification	1992	AWS	30

967	FSW	Fire Safety in Welding and Cutting	1992	AWS	0
968	QC5	Standard for Certification of Welding Educators	1991	AWS	10
969	WHB-2	Welding Handbook Volume 2 Eighth Edition(Welding Handbook, Vol. 2)	1991	AWS	17
970	WHB-2 CH 1	Arc Welding Power Sources(Welding Handbook, Vol. 2)	1991	AWS	42
971	WHB-2 CH 2	Shielded Metal Arc Welding(Welding Handbook, Vol. 2)	1991	AWS	29
972	WHB-2 CH 3	Gas Tungsten Arc Welding(Welding Handbook, Vol. 2)	1991	AWS	35
973	WHB-2 CH 4	Gas Metal Arc Welding(Welding Handbook, Vol. 2)	1991	AWS	47
974	WHB-2 CH 5	Flux Cored Arc Welding(Welding Handbook, Vol. 2)	1991	AWS	34
975	WHB-2 CH 6	Submerged Arc Welding(Welding Handbook, Vol. 2)	1991	AWS	42
976	WHB-2 CH 7	Electrogas Welding(Welding Handbook, Vol. 2)	1991	AWS	37
977	WHB-2 CH 8	Electroslag Welding(Welding Handbook, Vol. 2)	1991	AWS	28
978	WHB-2 CH 9	Stud Welding(Welding Handbook, Vol. 2)	1991	AWS	29
979	WHB-2 CH 10	Plasma Arc Welding(Welding Handbook, Vol. 2)	1991	AWS	22
980	WHB-2 CH 11	Oxyfuel Gas Welding(Welding Handbook, Vol. 2)	1991	AWS	27
981	WHB-2 CH 12	Brazing(Welding Handbook, Vol. 2)	1991	AWS	44
982	WHB-2 CH 13	Soldering(Welding Handbook, Vol. 2)	1991	AWS	25
983	WHB-2 CH 14	Oxygen Cutting(Welding Handbook, Vol. 2)	1991	AWS	32
984	WHB-2 CH 15	Arc Cutting and Gouging	1991	AWS	20
985	WHB-2 CH 16	Laser Beam and Water Jet Cutting	1991	AWS	29
986	WHB-2 CH 17	Spot, Seam, and Projection Welding	1991	AWS	49
987	WHB-2 CH 18	Flash, Upset, and Percussion Welding	1991	AWS	29
988	WHB-2 CH 19	Resistance Welding Equipment	1991	AWS	40
989	WHB-2 CH 20	High-Frequency Welding	1991	AWS	19
990	WHB-2 CH 21	Electron Beam Welding	1991	AWS	41
991	WHB-2 CH 22	Laser Beam Welding	1991	AWS	26
992	WHB-2 CH 23	Friction Welding	1991	AWS	25
993	WHB-2 CH 24	Explosion Welding	1991	AWS	17
994	WHB-2 CH 25	Ultrasonic Welding	1991	AWS	30
995	WHB-2 CH 26	Diffusion Welding and Brazing	1991	AWS	25
996	WHB-2 CH 27	Adhesive Bonding of Metals	1991	AWS	24
997	WHB-2 CH 28	Thermal Spraying	1991	AWS	27
998	WHB-2 CH 29	Other Welding Processes	1991	AWS	32
999	A5.1	Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding	1991	AWS	57
1000	B2.1-1-012	(Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1, Group 1), 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License	1991	AWS	0
1001	B2.1-1-013	(Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Austenitic Steel, (M-8/P-8), 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License	1991	AWS	0
1002	B2.1-1-014	(Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel, (M-1 to M-8), 10 Through 18 Gauge, in the As-Welded Condition, with or Wi	1991	AWS	0
1003	B2.1-1-015	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Aluminum, (M-22 to P-22), 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License	1991	AWS	0
1004	BRH	Brazing Handbook 1991 Fourth Edition	1991	AWS	495

1005	BRH APP A	Definitions of Terms Fourth Edition(Brazing Handbook)	1991	AWS	7
1006	BRH APP B	Properties of Brazeable Metals and Alloys Fourth Edition	1991	AWS	17
1007	BRH APP C	Thermal Expansion Data Fourth Edition	1991	AWS	13
1008	BRH CH 1	Fundamentals Fourth Edition(Brazing Handbook)	1991	AWS	8
1009	BRH CH 2	Brazement Design and Drafting Room Practice Fourth Edition(Brazing Handbook)	1991	AWS	34
1010	BRH CH 3	Brazing Filler Metals Fourth Edition(Brazing Handbook)	1991	AWS	24
1011	BRH CH 4	Fluxes and Atmospheres Fourth Edition(Brazing Handbook)	1991	AWS	18
1012	BRH CH 5	Corrosion Resistance of Brazed Joints Fourth Edition(Brazing Handbook)	1991	AWS	13
1013	BRH CH 6	Safety and Health Fourth Edition(Brazing Handbook)	1991	AWS	24
1014	BRH CH 7	Precleaning and Surface Preparation Fourth Edition(Brazing Handbook)	1991	AWS	4
1015	BRH CH 8	Assembly and Fixturing Fourth Edition(Brazing Handbook)	1991	AWS	6
1016	BRH CH 9	Torch Brazing Fourth Edition(Brazing Handbook)	1991	AWS	23
1017	BRH CH 10	Furnace Brazing Fourth Edition(Brazing Handbook)	1991	AWS	43
1018	BRH CH 11	Induction Brazing Fourth Edition(Brazing Handbook)	1991	AWS	22
1019	BRH CH 12	Dip Brazing Fourth Edition(Brazing Handbook)	1991	AWS	11
1020	BRH CH 13	Resistance Brazing Fourth Edition(Brazing Handbook)	1991	AWS	7
1021	BRH CH 14	Braze Welding Fourth Edition(Brazing Handbook)	1991	AWS	9
1022	BRH CH 15	Other Processes Fourth Edition(Brazing Handbook)	1991	AWS	5
1023	BRH CH 16	Inspection of Brazed Joints Fourth Edition(Brazing Handbook)	1991	AWS	8
1024	BRH CH 17	Codes and Other Standards Fourth Edition(Brazing Handbook)	1991	AWS	12
1025	BRH CH 18	Copper and Copper Alloys Fourth Edition(Brazing Handbook)	1991	AWS	18
1026	BRH CH 19	Precious Metals(Brazing Handbook)	1991	AWS	6
1027	BRH CH 20	Low Carbon, Low Alloy, and Tool Steels Fourth Edition(Brazing Handbook)	1991	AWS	7
1028	BRH CH 21	Brazing of Cast Iron Fourth Edition(Brazing Handbook)	1991	AWS	7
1029	BRH CH 22	Pipe and Tube Fourth Edition(Brazing Handbook)	1991	AWS	10
1030	BRH CH 23	Nickel Base and Cobalt-Containing Alloys Fourth Edition(Brazing Handbook)	1991	AWS	5
1031	BRH CH 24	Stainless Steels Fourth Edition(Brazing Handbook)	1991	AWS	7
1032	BRH CH 25	Aluminum and Aluminum Alloys Fourth Edition(Brazing Handbook)	1991	AWS	8
1033	BRH CH 26	Magnesium and Magnesium Alloys Fourth Edition(Brazing Handbook)	1991	AWS	8
1034	BRH CH 27	Titanium, Zirconium, and Beryllium Fourth Edition(Brazing Handbook)	1991	AWS	21
1035	BRH CH 28	Refractory Metals - Niobium, Molybdenum, Tantalum, and Tungsten Fourth Edition(Brazing Handbook)	1991	AWS	16
1036	BRH CH 29	Electron Tube and Vacuum Equipment Brazing Fourth Edition(Brazing Handbook)	1991	AWS	8
1037	BRH CH 30	Carbide Tools Fourth Edition	1991	AWS	6
1038	BRH CH 31	Ceramic Brazing Fourth Edition	1991	AWS	12
1039	BRH CH 32	Carbon and Graphite Fourth Edition	1991	AWS	6
1040	BRH CH 33	Honeycomb Structure Brazing Fourth Edition	1991	AWS	11
1041	BRH INDEX	Index Fourth Edition(Brazing Handbook)	1991	AWS	13
1042	BRH INTRO	Brazing Handbook 1991 Fourth Edition	1991	AWS	18
1043	B2.1-1-011	(Withdrawn)Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Galvanized Steel, 10 Through 18 Gauge, in the As-Welded Condition, with or Without Backing Site License	1991	AWS	0
1044	B2.2	Standard for Brazing Procedure and Performance Qualification	1991	AWS	54

1045	B2.1.002	Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 Through 7/8 Inch, in the As-Welded Condition, with or without Backing Site License	1990	AWS	12
1046	C3.8	Recommended Practices for Ultrasonic Inspection of Brazed Joints R(1998)	1990	AWS	10
1047	D3.7	Guide for Aluminum Hull Welding	1990	AWS	75
1048	A5.15	Specification for Welding Electrodes and Rods for Cast Iron	1990	AWS	30
1049	A5.16	Specification for Titanium and Titanium Alloy Welding Electrodes and Rods R(1997)	1990	AWS	21
1050	A5.24	Specification for Zirconium and Zirconium Alloy Welding Electrodes and Rods R(1997)	1990	AWS	18
1051	B2.1.001	Standard Welding Procedure Specification (WPS) for Shielded Metal Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 Through 3/4 Inch, in the As-Welded Condition, with Backing Site License	1990	AWS	10
1052	B2.1-1-008	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, Group 1), 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site License	1990	AWS	0
1053	B2.1-1-005	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Metal Arc Welding of Austenitic Stainless Steel (M-8 or P-8), 10 Through 18 Gage, in the As-Welded Condition, with or without Backing Site Lice	1990	AWS	0
1054	B2.1-1-006	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8 or P-8), 10 Through 18 Gage, in the As-Welded Condition, with or wi	1990	AWS	0
1055	B2.1-1-007	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Galvanized Steel, 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site License	1990	AWS	0
1056	B2.1-1-009	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8 or P-8), 10 Through 18 Gage, in the As-Welded Condition, with or Without Backing Site L	1990	AWS	0
1057	B2.1-1-010	(Withdrawn)Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8 or P-8), 10 Through 18 Gauge, in the As-Welded Condition, with o	1990	AWS	0
1058	WHB-2 HDBK	Welding Handbook Volume 2 Eighth Edition(Welding Handbook, Vol. 2)	1990	AWS	955
1059	WHB-2 INDEX	Index(Welding Handbook, Vol. 2)	1990	AWS	32
1060	OWS	Oxyfuel Gas Welding, Cutting and Heating Safety	1990	AWS	0
1061	EWB-7	Effects of Welding on Health VII	1990	AWS	65
1062	B2.1-1-001	NULL	1990	AWS	13
1063	B2.1-1-002	Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 3/16 through 7/8 inch, in the As-Welded Condition, With or Without Backing	1990	AWS	15
1064	EWB-6	Effects of Welding on Health VI	1989	AWS	62
1065	F3.1	Guide for Welding Fume Control	1989	AWS	26
1066	QC4	Standard for Accreditation of Test Facilities for AWS Certified Welder Program	1989	AWS	12
1067	C6.1	Recommended Practices for Friction Welding R(1998)	1989	AWS	36
1068	D11.2	Guide for Welding Iron Castings	1989	AWS	132
1069	C5.6	Recommended Practices for Gas Metal Arc Welding R(1994)	1989	AWS	75
1070	D8.7	Recommended Practices for Automotive Weld Quality-Resistance Spot Welding (SAE J 1188) R(1994)	1988	AWS	13
1071	AWS-S	Arc Welding Safety (Seguridad en la Soldadura por Arco) in Spanish	1988	AWS	0
1072	SP	Safe Practices Reprint of WHB-1 CH 16	1988	AWS	41
1073	HOT	Hands-On Training use of Measuring Tools for the AWS Certified Welding Inspector Hands-On Examination	1987	AWS	33
1074	HST	Hands-On, Self-Training	1987	AWS	0
1075	D10.11	Recommended Practices for Root Pass Welding of Pipe without Backing R(1992)	1987	AWS	20
1076	EWB-5	Effects of Welding on Health V	1987	AWS	51
1077	D10.4	Recommended Practices for Welding Austenitic Chromium-Nickel Stainless Steel Piping and Tubing R(2000)	1986	AWS	43
1078	UEAW	Handbook on the Ultrasonic Examination of Austenitic Welds	1986	AWS	46
1079	WCI	Welding of Cast Iron - a Selection of Papers	1985	AWS	365

1080	TSS	Thermal Spraying - Practice, Theory, and Application	1985	AWS	198
1081	WHB-5	Engineering, Costs, Quality, and Safety(Welding Handbook, Vol. 5)	1984	AWS	10
1082	WHB-5 CH 1	Design for Welding(Welding Handbook, Vol. 5)	1984	AWS	91
1083	WHB-5 CH 2	Symbols for Welding, Brazing, and Nondestructive Examination(Welding Handbook, Vol. 5)	1984	AWS	27
1084	WHB-5 CH 3	Economics and Cost Estimating(Welding Handbook, Vol. 5)	1984	AWS	28
1085	WHB-5 CH 4	Fixtures and Positioners(Welding Handbook, Vol. 5)	1984	AWS	27
1086	WHB-5 CH 5	Automation and Control(Welding Handbook, Vol. 5)	1984	AWS	37
1087	WHB-5 CH 6	Codes and Standards(Welding Handbook, Vol. 5)	1984	AWS	30
1088	WHB-5 CH 7	Qualification and Certification(Welding Handbook, Vol. 5)	1984	AWS	30
1089	WHB-5 CH 8	Weld Quality(Welding Handbook, Vol. 5)	1984	AWS	42
1090	WHB-5 CH 9	Inspection(Welding Handbook, Vol. 5)	1984	AWS	61
1091	WHB-5 CH 10	Safe Practices(Welding Handbook, Vol. 5)	1984	AWS	37
1092	WHB-5 HDBK	Engineering, Costs, Quality, and Safety(Welding Handbook, Vol. 5)	1984	AWS	448
1093	WHB-5 INDEX	Index(Welding Handbook, Vol. 5)	1984	AWS	28
1094	WHB-ALL	Welding Handbook Set Includes Volumes 1 through 4	1984	AWS	0
1095	A5.6	Specification for Covered Copper and Copper Alloy Arc Welding Electrodes R(2000)	1984	AWS	24
1096	A5.7	Specification for Copper and Copper Alloy Bare Welding Rods and Electrodes R(1991)	1984	AWS	17
1097	CAWF	Characterization of Arc Welding Fume	1983	AWS	61
1098	EWB-3	Effects of Welding on Health III	1983	AWS	38
1099	EWB-4	Effects of Welding on Health IV	1983	AWS	52
1100	C4.3	Operators Manual for Oxyfuel Gas Heating Torch Operation	1983	AWS	16
1101	LVOS	Laboratory Validation of Ozone Sampling with Spill-Proof Impingers	1983	AWS	47
1102	WHB-4	Metals and Their Weldability(Welding Handbook, Vol. 4)	1982	AWS	10
1103	WHB-4 CH 1	Carbon and Low Alloy Steels(Welding Handbook, Vol. 4)	1982	AWS	74
1104	WHB-4 CH 2	Stainless Steels(Welding Handbook, Vol. 4)	1982	AWS	72
1105	WHB-4 CH 3	Tool and Die Steels(Welding Handbook, Vol. 4)	1982	AWS	22
1106	WHB-4 CH 4	High Alloy Steels(Welding Handbook, Vol. 4)	1982	AWS	41
1107	WHB-4 CH 5	Cast Irons(Welding Handbook, Vol. 4)	1982	AWS	19
1108	WHB-4 CH 6	Nickel and Cobalt Alloys(Welding Handbook, Vol. 4)	1982	AWS	38
1109	WHB-4 CH 7	Copper Alloys(Welding Handbook, Vol. 4)	1982	AWS	45
1110	WHB-4 CH 8	Aluminum Alloys(Welding Handbook, Vol. 4)	1982	AWS	74
1111	WHB-4 CH 9	Magnesium Alloys(Welding Handbook, Vol. 4)	1982	AWS	44
1112	WHB-4 CH 10	Titanium, Zirconium, Hafnium, Tantalum, and Columbium(Welding Handbook, Vol. 4)	1982	AWS	55
1113	WHB-4 CH 11	Other Metals(Welding Handbook, Vol. 4)	1982	AWS	23
1114	WHB-4 CH 12	Dissimilar Metals(Welding Handbook, Vol. 4)	1982	AWS	35
1115	WHB-4 HDBK	Metals and Their Weldability(Welding Handbook, Vol. 4)	1982	AWS	586
1116	WHB-4 INDEX	Index(Welding Handbook, Vol. 4)	1982	AWS	34
1117	WFDP	Welding Fume Control, a Demonstration Project 1982	1982	AWS	72
1118	EWB-2	Effects of Welding on Health II	1981	AWS	63
1119	C5.5	Recommended Practices for Gas Tungsten Arc Welding R(1994)	1980	AWS	46
1120	OPP	Underwater Welding of Offshore Platforms and Pipelines	1980	AWS	188

1121	FGW APP C	Tables C1 to C4 Summary of Original Data, Part III(Fumes and Gases in the Welding Environment)	1979	AWS	5
1122	FGW APP D	Tables D1 and D2 Laboratory Data Sheets for Part IV(Fumes and Gases in the Welding Environment)	1979	AWS	3
1123	FGW APP A	Table A1 Electrodes Used in Part III(Fumes and Gases in the Welding Environment)	1979	AWS	5
1124	FGW APP B	Tables B1 to B43 (Tubular Data on Fume Generation Characteristics of Electrodes Used in Part II)(Fumes and Gases in the Welding Environment)	1979	AWS	45
1125	FGW APP E	Tables E1 to E6 Laboratory Data Sheets for Part V(Fumes and Gases in the Welding Environment)	1979	AWS	15
1126	FGW PT 1	Ventilation Studies(Fumes and Gases in the Welding Environment)	1979	AWS	55
1127	FGW PT 2	Arc Welding Fumes and Gases(Fumes and Gases in the Welding Environment)	1979	AWS	52
1128	FGW PT 3	Brazing Fumes and Gases(Fumes and Gases in the Welding Environment)	1979	AWS	16
1129	FGW PT 4	Thermal Spraying Fumes and Gases(Fumes and Gases in the Welding Environment)	1979	AWS	6
1130	FGW PT 5	Fumes and Gases from Oxygen Cutting(Fumes and Gases in the Welding Environment)	1979	AWS	17
1131	EWB-1	Effects of Welding on Health I	1979	AWS	146
1132	EWB-I	Effects of Welding on Health, Volume 1 through 11 Book Index	1979	AWS	0
1133	AWS FUMES AND GASES	Contents(Fumes and Gases in the Welding Environment)	1979	AWS	248
1134	AWN	Arc Welding and Cutting Noise	1979	AWS	45
1135	F6.1	Method for Sound Level Measurement of Manual Arc Welding and Cutting Processes R(1989)	1978	AWS	12
1136	F2.1	Recommended Safe Practice for Electron Beam Welding and Cutting	1978	AWS	14
1137	C4.1	Criteria for Describing Oxygen-Cut Surfaces	1977	AWS	5
1138	C4.1 SET	Oxygen Cutting Surface Roughness Gauge and Chart for Criteria Describing Oxygen Cut Surfaces	1977	AWS	0
1139	C4.1-WC	Criteria for Describing Oxygen-Cut Surface (8 1/2" x 11" 5 PG Chart)	1977	AWS	0
1140	ULR	NULL	1976	AWS	121
1141	D12.1	(Cancelled)Reinforcing Steel Welding Code Best Copy Available; Superseded by AWS D1.4	1975	AWS	0
1142	C2.14	Corrosion Tests of Flame-Sprayed Coated Steel 19-Year Report	1974	AWS	34
1143	C5.1	Recommended Practices for Plasma-Arc Welding	1973	AWS	76
1144	WZC	Welding Zinc-Coated Steel First Edition	1972	AWS	148
1145	C1.3	Recommended Practices for Resistance Welding Coated Low Carbon Steels R(1987)	1970	AWS	18
1146	C2.2	Recommended Practices for Metallizing with Aluminium and Zinc for Protection of Iron and Steel	1967	AWS	17
1147	D1.0	Welding in Building Construction Eighth Edition; Supplement 2: September 1968	1966	AWS	107
1148	C2.8	(Cancelled)Corrosion Tests of Metallized Coated Steel 6-Year Report Best Copy Available	1962	AWS	0
1149	C1.2	Recommended Practices for Spot Welding Aluminium and Aluminium Alloys	1953	AWS	40
1150	D10.10 D10.10M_1999 (R 200)	NULL	0	AWS	120
1151	C4.6M_2006(R 2012)	NULL	0	AWS	52

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