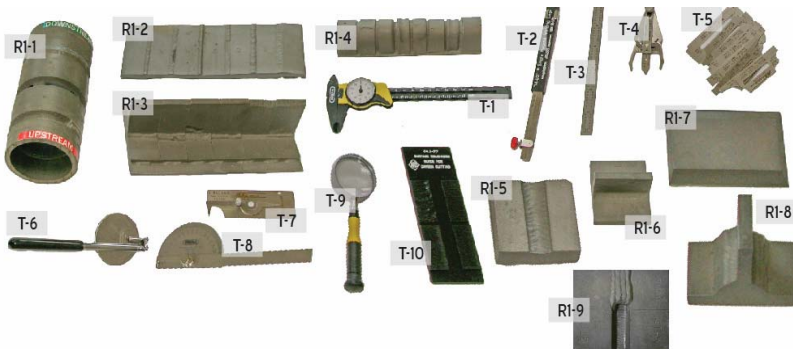


# Being Prepared

Preparing for the examination can be difficult, if you don't prepare in advance. The picture displayed below illustrates what material is available to you to practice on before you get involved in a structured class. The Flashcard books are available for each portion of the class. These are Flashcard books written over potential questions that might be asked of you over the Fundamental book, the API-1104 code book and questions over the Specification B portion of the examination. All of these questions have been designed to assist you in being successful on the test. The tools and replicas presented here is what you can expect to see when you take your AWS examination. The replicas will be similar to what you will see on the examination, but not the same. In addition, there are several more plastic replicas that will not be on your examination. These have been added so you can practice different techniques. One is the beveled plate (4 bevels) to practice using the protractor, another is the convex T-joint to get you use to determining "W" so you can look up the allowable convexity. The underfill specimen allows you to determine whether the amount of fill deposited is enough to be able to discontinue preheat and the concave fillet weld allows you to practice measuring concave fillet welds. The complete set of flashcards (including the Exhibit book), sells for \$700.00. The full set of tools and replicas (9 pieces) sells for \$1,100.00 total as compared with others selling four (4) specimens for \$2,435.00 without a tool kit. Several students sharing the cost will make these cost effective in preparing for the exam. If you are interested, please contact us at 361.643.3400.



- R1-1: 4-1/2" O.D. Schedule 80 pipe w/ flaws
- R1-2: 6 each structural steel groove welds w/ flaws-1G through 6G
- R1-3: 6 each structural steel T-joint welds w/ fillet welds and weld flaws
- R1-4: 8 each Guided Bend Test specimens w/ flaws
- R1-5: Underfilled Groove Weld
- R1-6: Concave Fillet Weld
- R1-7: 4-Beveled edges for protractor training
- R1-8: Convex Fillet Weld
- R1-9: GTAW root & filler/SMAW remaining filler beads
- T-1: Dial caliper-(measures in 0.001")
- T-2: Hi-low Gage
- T-3: 6" ruler with 1/32" and 1/64" graduations
- T-4: GAL Weld Profile Gage
- T-5: Fillet Weld gage set
- T-6: Telescoping Mirror
- T-7: V-Wac Gage for measuring undercut
- T-8: Protractor for measuring bevel angles
- T-9: Magnifying Glass
- T-10: Surface Roughness Guide for evaluating flame cuts
- BUR1-1 Bundled set of replicas used for AWS Exam
- BUT-1 Bundled AWS Tool Kit for AWS Exam

- BCWI-1: Welding Inspection Technology (WIT)
- BCWI-2: API-1104 20th Edition Code-(Pipeline and Related Facilities)
- BCWI-3: AWS Specification B Booklet
- BCWI-4: AWS QC-1-2007
- BCWI-5: Volume I - Fundamental Test
- BCWI-6: Volume II - API-1104 20th Edition Test
- BCWI-7: Volume III - Specification B Exhibits & Examinations
- BCWI-8: Volume IV - Math, Handout & A3.0 Terms & Definitions



- FCWI-1: Flashcards: Composite of Modules 1-10
- FCWI-2: Flashcards: Welding Symbols
- FCWI-3: Flashcards: Non-Destructive Testing
- FCWI-4: Flashcards: Metallurgy & Destructive Testing
- FCWI-5: Flashcards: General Info & Safety Questions
- FCWI-6: Flashcards: Documents
- FCWI-7: Flashcards: Terms & Definitions
- FCWI-8: Flashcards: Welding & Brazing
- BUFC-3: Bundled set of Fundamental Flashcards
- FCWI-9: Flashcards: New Specification B Booklet
- FCWI-10: Flashcards: Guide to Using New Specification B Booklet
- FCWI-11: Flashcards: New Specification B Booklet, Tools & Plastic Replicas
- FCWI-12: Flashcards: Tools & Plastic Replicas for Specification B
- FCWI-13: Flashcards: The Familiarization of the Specification B Booklet
- FCWI-14: Flashcards: Using the tools for Specification B
- FCWI-15: Flashcards: Replicas, tools & Exhibit book
- BUFC-4: Bundled set of Specification B Flashcards
- FCWI-16: Flashcards: Part #1 of API-1104 20th Edition
- FCWI-17: Flashcards: Book #2 of API-1104 20th Edition
- FCWI-18: Flashcards: The Familiarization of API-1104 20th Edition
- FCWI-19: Flashcards: Part #1 of Math problems
- FCWI-20: Flashcards: Part #2 of Math problems

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## CWI Plastic Replicas, Tools & Flashcards for Sale

### Tools Sold Individually

TSI-1 –Bridge Cam Type Weld Gage-used for undercut, bevel angle, weld re-enforcement, fillet size, concavity,	\$35.00/each + shipping
TSI-2-Hi-Lo Gage-Used for measuring internal misalignment	\$35.00/each + shipping
TSI-3-V-Wac Gage-used for measuring undercut, face re-enforcement, gouges, etc.	\$35.00/each + shipping
TSI-4-Calculator-used for adding up un-like fractions,	\$35.00/each + shipping
TSI-5-Large Fillet Weld Gages-used to measure convex & concave fillet welds up to 2"	\$75.00/each + shipping
TSI-6-Small Fillet Weld Gages-used to measure convex & concave fillet welds up to 1"	\$60.00/each + shipping
TSI-7-6" Ruler-graduated from 1/32" to 1/64" with decimal equivalents on the back	\$5.00/each + shipping
TSI-8-Dial Caliper-used for measuring thickness, depth of hole and inside diameter of a hole	\$85.00/each + shipping
TSI-9-Profile Weld Gage-used for measuring height of weld re-enforcement, convexity or concavity on fillet welds	\$50.00/ + shipping
TSI-10-Tapered Gage-used for measuring squareness of flange make-ups and root openings	\$65.00/each + shipping
TSI-11-Magnifying Glass-used for magnifying the surface for cracks or enlargement of any item	\$25.00/each + shipping
<b>BUT-1-AWS Tool Kit-with a micrometer, dial caliper, 6" ruler, V-Wac Gage, Fillet Weld Gages, Magnifying Glass</b>	\$335.00/each + shipping

### Tools Sold as a Kit Used on AWS CWI Examination

T-1– Dial Caliper-used for measuring thickness, depth of hole and inside diameter of a hole	N/A
T-2-Hi-Lo Gage-Used for measuring internal misalignment	N/A
T-3-6" Ruler-graduated from 1/32" to 1/64" with decimal equivalents on the back	N/A
T-4-GAL Weld Profile Gage-used when "W", Convexity, Concavity, height of weld re-enforcement or underfill needs to be measured	N/A
T-5--Small Fillet Weld Gages-used to measure convex & concave fillet welds up to 1"	N/A
T-6-Inspection Mirror-used for looking at welds or other areas that have restricted visibility	N/A
T-7- V-Wac Gage-used for measuring undercut, face re-enforcement, gouges, etc.	N/A
T-8-Protractor-used for measuring bevel angles	N/A
T-9- Magnifying Glass-used for magnifying the surface for cracks or enlargement of any item	N/A
T-10-Surface Roughness Guide for Oxygen/Fuel cutting	N/A
<b>BUT-2-Bundled AWS Tool Kit-used for taking the AWS CWI examination-**sold only as a kit</b>	\$335.00/each + shipping

## Certified Welding Inspector (CWI)

### Module Part A Examination Books - (furnished free for full paying student)

BCWI-1-Welding Inspection Technology (WIT)	\$300.00/each + shipping
BCWI-2-API-1104 20th Edition	\$325.00/each + shipping
BCWI-3-Specification B Booklet	\$5.00/each + shipping
BCWI-4-AWS QC-1-2016 Edition	\$5.00/each + shipping
BCWI-5-Questions over Part A Fundamental Examination	\$100.00/each + shipping
BCWI-6-Questions over Part C API-1104 20th Edition Examination	\$100.00/each + shipping
BCWI-7-Book of BLD Exhibits and Specification B Questions	\$100.00/each + shipping
BCWI-8 Book of Math, Handouts and Term & Definitions	\$100.00/each + shipping

### Purchase of WIT Module Flashcards

FCWI-1 Composite Flashcard (covers test over all 10 WIT sections) (1 book)	\$75.00/each + shipping
FCWI-2 Welding Symbol Flashcard Questions	\$50.00/each + shipping
FCWI-3 Non-Destructive Flashcard Questions	\$50.00/each + shipping
FCWI-4 Metallurgy & Destructive Testing Flashcard Questions	\$50.00/each + shipping
FCWI-5 General Information & Safety Flashcard Questions	\$50.00/each + shipping
FCWI-6 Documents Flashcard Questions	\$50.00/each + shipping
FCWI-7 Term & Definition Flashcard Questions	\$35.00/each + shipping
FCWI-8 Welding & Brazing Flashcard Questions	\$50.00/each + shipping
<b>BUFC-3 Bundled set of all Modules (WIT)</b>	\$325.00/each + shipping

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<b>Purchase of Specification B Flashcards</b>	
FCWI-9 New Specification Flashcard Questions	\$50.00/each + shipping
FCWI-10 Guide to Using the New Specification B Booklet-Flashcard Questions	\$75.00/each + shipping
FCWI-11 Specification B, Tools & Replica Flashcard Questions	\$100.00/each + shipping
FCWI-12 Tools & Plastic Replica Flashcard Questions	\$25.00/each + shipping
FCWI-13 Familiarization of Specification Flashcard Questions	\$50.00/each + shipping
FCWI-14 Using the Tools for Specification B Flashcard Questions	\$30.00/each + shipping
FCWI-15 Tools & Replica Flashcard Questions	\$50.00/each + shipping
<b>BUFC-1 Complete set of all flashcards, Part A, Part B and Part C</b>	<b>\$700.00/set + shipping</b>
<b>BUFC-2 Highly Recommended Set of Spec. B Flashcards, including Exhibit book</b>	<b>\$200.00/set + shipping</b>
<b>BUFC-4 Complete Set of Specification B Flashcards</b>	<b>\$300.00/set + shipping</b>
<b>Purchase of API-1104 Flashcards</b>	
FCWI-16 API-1104 Part 1 20 <sup>th</sup> Edition over Pipeline & Related Facilities	\$50.00/each + shipping
FCWI-17 API-1104 Part 2 20 <sup>th</sup> Edition over Pipeline & Related Facilities	\$50.00/each + shipping
FCAW-18 API 1104 Part 3 20 <sup>th</sup> Edition over Pipeline & Related Facilities	\$50.00/each + shipping
<b>BUFC-5 Complete Set of Bundled API-1104 Flashcards</b>	<b>\$150.00/each + shipping</b>
<b>Purchase or Rental of Plastic Replicas &amp; Tool Kit for Spec B Exam</b>	
BUR-1 Practice Plastic Replicas for CWI Examination (9 pcs) for purchase	\$800.00/each + shipping
BUR-2 Tool Kit used for Specification B Examination	\$325.00/each + shipping
BUR-3 Rental of Plastic Replicas for CWI Examination (6 pcs) & AWS Tool Kit (deposit of \$900.00)	\$175.00/wk. + shipping
<b>Purchase of API-1169 Flashcards over Pipeline Construction Inspector</b>	
B1169-1-Public Domain-CFR 192, CFR-195, Endangered Species Act of 1973, Wetland & Waterbody & Mitigation Procedures 33 CFR 321, 40 CFR 300, 33 USC Chapter 9, Water & Harbor & River Improvements	\$100.00/each + shipping
B1169-2-Public Domain-29 CFR 1910, 29 CFR 1926, 49 CFR 172	\$100.00/each + shipping
F1169-1 Flashcard Questions over API-1169 (1 book)	\$25.00/each + shipping
F1169-2 Flashcard Questions over API-1110 Recommended Practice	\$35.00/each + shipping
F1169-3 Flashcard Questions over API-Spec. Q1 & ISO 9000:2005 Quality Management System	\$25.00/each + shipping
F1169-4 Flashcards Questions over ANSI-Z49.1 Safety in Welding & Cutting	\$25.00/each + shipping
F1169-5 Flashcards Questions over CGA Best Practices	\$25.00/each + shipping
F1160-6 Flashcard Questions over INGAA Const. Safety Guidelines for Natural Gas Pipeline Crossings & CS-S-9 Pressure Test-hydro/pneumatic Safety Guideline	\$25.00/each + shipping
F1169-7 Flashcards Questions over API-1104 21 <sup>st</sup> Edition	\$25.00/each + shipping
F1169-8 Flashcard Questions over ASME B31.4 Pipeline Transportation of Liquids	\$30.00/each + shipping
F1169-9 Flashcards Questions over ASME B31.8 Pipeline Transportation of Gases	\$25.00/each + shipping
F1169-10 Flashcard Ques. over 49 CFR 192 Trans. of NG and Other Gas by Pipeline and 49 CFR 195 Trans. of Hazard. Liquids	\$37.50/each + shipping
F1169-11 Flashcard Questions over 29 CFR 1910 Occupational Safety & Health Standards	\$25.00/each + shipping
F1169-12 Flashcard Questions over 29 CFR 1926 Safety & Health Regulations for Construction	\$25.00/each + shipping
F1169-13 Flashcard Questions over 49 CFR 172 Hazardous Material Tables	\$25.00/each + shipping
F1169-14 Flashcard Questions over Code of Federal Regulations 33 CFR 321 Permits for Dams & Dikes in Navigable Waters	\$47.50/each + shipping
F1169-15 Flashcard Questions over 40 CFR 300 National Oil & Hazardous Substances Pollution Contingency Plan	\$25.00/each + shipping
F1169-16 Flashcard Questions over Federal Energy Regulatory Commission-Wetland & Waterbody & Mitigation Procedures	\$15.00/each + shipping
F1169-17 Flashcard Questions over Federal Energy Regulatory Commission-Upland Erosion Control Revegetation & Maintenance Plan	\$16.00/each + shipping
F1169-18 Flashcard Questions over Migratory Bird Permits 50 CFR Part 21	\$25.00/each + shipping
F1169-19 Flashcard Questions over 33 USC Chapter 9: Protection of Navigable Waters & Harbor & River Improvements	\$5.50/each + shipping
F1169-20 Flashcard Questions over Endangered Species Act of 1973	\$12.50/each + shipping
F1169-21 Part 1 Composite Flashcard Questions over entire Body of Knowledge	\$50.00/each + shipping
F1169-22 Part 2 Composite Flashcard Questions over entire Body of Knowledge	\$50.00/each + shipping
F1169-23 Part 3 Composite Flashcard Questions over entire Body of Knowledge	\$50.00/each + shipping
F1169-24 Part 4 Composite Flashcard Questions over entire Body of Knowledge	\$50.00/each + shipping
F1169-24 Part 5 Composite Flashcard Questions over entire Body of Knowledge	\$50.00/each + shipping
F1169-24 Part 6 Composite Flashcard Questions over entire Body of Knowledge	\$50.00/each + shipping

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<b>BU1169-1 Bundled Set of all Flashcard Books-(does not include B1169-1 or B1169-2)</b>	<b>\$750/set + shipping</b>
<b>API-570 Flashcards Over Pressure Piping</b>	
F570-1 Flashcard Questions over Part 1 API-570	\$50.00/each + shipping
F570-2 Flashcard Questions over Part 2 API-570	\$50.00/each + shipping
F570-3 Flashcard Questions over API-571-Damaged Mechanisms	\$50.00/each + shipping
F570-4 Flashcard Questions over API-574-RP Inspect. Practices for Piping	\$50.00/each + shipping
F570-5 Flashcard Questions over API-577-RP Welding & Metallurgy	\$50.00/each + shipping
F570-6 Flashcard Questions over API-578-Material Verification for New & Existing Pipe	\$50.00/each + shipping
F570-7 Flashcard Questions over ASME Section V-Nondestructive Examination	\$50.00/each + shipping
F570-8 Flashcard Questions over ASME Section IX-Qualification of WPS & WQTR	\$50.00/each + shipping
F570-9 Flashcard Questions over ASME B16.5-Pipe Flanges & Forged Fittings	\$50.00/each + shipping
F570-10 Flashcard Questions over ASME B31.3-Process Piping	\$50.00/each + shipping
<b>API-510 Purchase of Flashcards over Pressure Vessels</b>	
F510-1 Flashcard Questions over ASME 510-Pressure Vessel Code	\$50.00/each + shipping
F510-2 Flashcard Questions over ASME 571-Damaged Mechanisms	\$50.00/each + shipping
F510-3 Flashcard Questions over API 572-Inspection of Pressure Vessels	\$50.00/each + shipping
F510-4 Flashcard Questions over API-576-Inspection of Pressure Relieving Devices	\$50.00/each + shipping
F510-5 Flashcard Questions over API-577-RP Welding & Metallurgy	\$50.00/each + shipping
F510-6 Flashcard Questions over ASME Section V-Nondestructive Examination	\$50.00/each + shipping
F510-7 Flashcard Questions over ASME Section VIII, Div. 1-Rules for Const. of Pressure Vessels	\$50.00/each + shipping
F570-8 Flashcard Questions over ASME Section IX-Qualification of WPS & WQTR	\$50.00/each + shipping
F570-9 Flashcard Questions over ASME B16.5-Pipe Flanges & Forged Fittings	\$50.00/each + shipping
F570-10 Flashcard Questions over ASME B31.3-Process Piping	\$50.00/each + shipping
<b>API-653 Purchase of Flashcards over Tank Inspection, Repair, Alteration &amp; Reconstruction</b>	
F653-1 Flashcard Questions over API-653 Tank Inspection, Repair, Alteration & Reconstruction	\$50.00/each + shipping
F653-2 Flashcard Questions over API-571-RP Damage Mechanisms	\$50.00/each + shipping
F653-3 Flashcard Questions over API 575-Inspection of Atmos. & Low Pressure Stg. Tanks	\$50.00/each + shipping
F653-4 Flashcard Questions over API-577-RP Welding & Metallurgy	\$50.00/each + shipping
F653-5 Flashcard Questions over API-650 Welded Tanks for Oil Storage	\$50.00/each + shipping
F653-6 Flashcard Questions over API-651 Cathodic Protection of A.G. Petro. Stg. Tank	\$50.00/each + shipping
F653-7 Flashcard Questions over API-652-Lining of A.G. Petro. Stg. Tank Bottoms	\$50.00/each + shipping
F653-8 Flashcard Questions over ASME Section V-Nondestructive Examination	\$50.00/each + shipping
F653-9 Flashcard Questions over ASME Section IX-Qualification of WPS & WQTR	\$50.00/each + shipping
F653-10 Flashcard Questions over Part 1 Composite over all Sections	\$50.00/each + shipping
F653-11 Flashcard Questions over Part 2 Composite over all Sections	\$50.00/each + shipping

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