

Weld Inspection Training Kits

Item #1 - FlawTech MT/PT Practical Exam Specimens

Qty: 1 each

Material:

- Carbon Steel

Flaws:





- (3x) Flaws each
- ***Randomly selected and placed***



Documentation Package:

- Certificate of Conformance
- CAD drawings
- Test Sheets

Carrying Case:

- Free Carrying Case or Container with purchase of 3 or more specimens
- Normally 6 or more specimens can fit into one case.
- The cut off is usually at ~30-40 LBS per case.

Part Number	Specimen Type	Description (inches)	Weight (LBS)	Price Each	Educational Discount Price
P001	Cast Tee Fitting 	2"OD w/ 1.3"OD Reducer x 5" long	3	\$500	\$450
P002	Machined Spindle 	1.75"OD x 8" long	4	\$500	\$450
P003	Bolt & Nut 	1.25"OD x 6" long	3	\$500	\$450
P004	Forged Eye Hook 	6" long w/~2" eye	2	\$500	\$450

P005	Forged Shackle & Pin 	4.25" w/ 0.75" pin	3	\$500	\$450
P006	Formed Metal Plate 	0.25" x 4"	2	\$500	\$450

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P007	<div>Welded Plate</div> 	0.25" x 8" x 12"	7	\$500	\$450
P008	<div>Welded Pipe</div> 	4.5" OD x 0.25" x 8"	7	\$500	\$450
P009	<div>Forged Pipe Flange</div> 	6"OD x 0.75"T	5	\$500	\$450
P010	<div>Machined Gear</div> 	4.6" OD x 1.5" bore	3	\$500	\$450
P011	<div>Welded Tee</div> 	0.25" x 8" x 8" x 4"	7	\$500	\$450
P012	<div>Pipe to Socket Weld</div> 	2" Sch160 Pipe to Coupling	6	\$500	\$450

Item #2

"The Traveler" CWI Visual Training Kit (**Part #TCWI-K1**)

Qty: 1

Kit Specifications:

- Material, polyurethane (gray color)
 - Designed to be very light weight for ease of transport.
- 15 specimens, (6) Plates, (3) Tee Joints & (6) 180° Pipe Segments
- Flaws / Indications, ~3 to 4 per specimen for a total of 50+ weld indications.
- Specimens also contain various weld bevels and flame cut edges.
 - All indications are based on AWS D1.1
 - ***Please note the flaws / indications are intended to be "borderline" acceptable or rejectable. The end user (CWI) must make that determination.***
 - ***These specimens can be used in conjunction with the following codes AWS D1.1 & D1.5, ASME and API weld inspection.***
- Carrying Case, 1 @ 20" x 18" x 10"
- Weight ~20LBS

Documentation:

- Includes C of C, CAD drawings & Test Sheets



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Item #3

Standard UT Kit (Part #UK-1)

Qty: 1

Material:

- Carbon Steel

Kit Specification:

- Total of 10 specimens
 - (4x) Plates: 0.375" T x 4" x 8"
 - (4x) Plates: 0.625" T x 4" x 8"
 - (1x) Tee: 0.375" x 4" x 8" x 4"
 - (1x) Pipe: 4" Sch80 (0.337" wall) x 8"

Flaws:

- (2x) Flaws per each specimen, **20 total**

- Visit our web site for flaw details.

Final Documentation:

- Includes Certificate of Conformance, CAD drawings & Test Sheets

Carrying Case:

- (2x) 6" x 18" x 20"
- Total weight ~65LBS



Item #4

NDT Demonstration Kit (Part #DK-1)

Qty: 1

Material:

- Carbon Steel

Kit Specification:

- Total of 5 specimens
 - MT/PT (1x) Tee: 0.25" T x 4" x 8" x 4"
 - VT (1x) Plate: 0.25" T x 4" x 8"
 - UT (1x) Plate: 0.625" T x 4" x 8"
 - RT (1x) Pipe: 4" Sch80 (0.337" wall) x 8"
 - RT (1x) Plate: 0.625" T x 4" x 8"
- *The carbon specimens are designed for either MT or PT methods. Proper cleaning and storage after any "wet" inspection method is critical to the use and life of the specimens.*

Flaws:

- (2x) each in plates and tee, (3x) in pipe, **11 total**

- Visit our web site for flaw details.

Final Documentation:

- Includes Certificate of Conformance, CAD drawings & Test Sheets

Carrying Case:

- (1x) 6" x 18" x 20"
- Total weight ~35LBS



Item #5

FlawTech Multi Method NDT Kit (#MMNDT-K1)

Qty: 1

Specifications:

- Set of 10 Specimens
- Specimen Alloy Mild Carbon Steel
 - Custom Alloys Available

Each Specimen will contain 3 flaws

- Total of 30 flaws in the Kit.

Each specimen contains flaws that are designed to be detectable using multiple NDT methods.

- Flaws are detectable by a variety of NDT methods; VT, MT, PT, UT (Conventional & PAUT), RT, ET.
 - **Please note that not all flaws are detectable with every method.**

Specimen Geometries Include:

- (1) Tee, 0.375" T x 4" X 8" x 4" w/ Double Bevel Weld
- (1) Tee, 0.375" T x 4" x 8" x 4" w/ Single Bevel Weld w/ Backing Bar
- (1) Tee, 0.5" T x 4" x 8" x 4" w/ Double Fillet Weld
- (2) Plates, 0.625" T x 4" x 8" w/ Single V Weld Bevel
- (1) Plate, 0.625" T x 4" x 8" w/ Double V Weld Bevel
- (1) Plate, 0.375" T x 4" x 8" w/ Single V Weld Bevel
- (1) Plate, 0.375" T x 4" x 8" w/ Single V Weld Bevel w/ Backing Bar
- (1) Plate, 0.5" T x 4" x 8" w/ Single V Weld Bevel
- (1) Pipe, 4" Sch160 (0.5" wall) x 8" w/ Single V Weld Bevel

Kit Documentation Includes:

- Certificate of Conformance
- As Built CAD Drawings
- UT Inspection Reports
- RT, Digital & Film Radiograph Film and Technician Sheet
- Measuring & Test Equipment Certificates
- Test Sheets (used during technician training and testing)

Kit Includes 2 Carrying Cases

- Total Weight ~80 LBS

