

#DK-1 STANDARD NDT DEMONSTRATION KIT

THE NDT DEMONSTRATION KIT CONTAINS:

5 Specimens: 3 Plates, 1 Pipe & 1 Tee
11 Total Discontinuities, "REAL FLAWS," randomly placed

Material: Carbon Steel

Kit Specifications: 5 Specimens

MT/PT (1) Tee: 0.25" T x 4" x 8" x 4"

VT (1) Plate: 0.25" T x 4" x 8"

UT (1) Plate: 0.625" T x 4" x 8"

RT (1) Pipe: 4" Sch80 (0.337" wall) x 8"
& (1) Plate: 0.625" T x 4" x 8"

Flaws: 2 each in plates and tee, 3 in pipe,
for total of 11

Specimens are packaged in a FREE CARRYING CASE (6" x 16" x 20"). The "Flaw Truth" is documented on CAD drawings with a Standard Tolerance of (+ / -) 0.150" (4mm).

This Kit contains actual X-Ray film for RT specimens and a "Flaw Locator" for UT specimens and Certificate of Conformance.



Flaws Included:

- 11 - Toe Crack fillet
- 15 - Center Line Crack DV (sub-surface)
- 18 - Base Metal Crack SV
- 19 - Base Metal Crack in root HAZ
- 20 - Crater Crack (crown stop-start area)
- 30 - Porosity SV (sub-surface)
- 32 - Porosity SV (surface)
- 37 - Slag Inclusion SV
- 54 - Lack of Fusion Fillet (surface breaking)
- 57 - Incomplete Root Penetration DV

See Pages 3-5 for Cross Section Views

Shipping Weight 36 lbs

