



## 1) NDT Demonstration Kit (Demo Kit)



### 3 Plates, 1 Pipe and 1 Tee

11 Randomly Placed Discontinuities (Flaws)

The flaws in these specimens can be examined by several different NDT methods to demonstrate the advantages and disadvantages of each NDT method.

- Material: Carbon Steel
- Kit Spec: 5 specimens
  - (1) VT Tee @ 10X100X100X200 (weld length: 100mm)
  - (1) MT Plate @ 10X100X200 (weld length: 100mm)
  - (2) RT and UT Plates @ 16X100X200 (weld length: 100mm)
  - (1) RT Pipe @  $\Phi$  (105~120) x10X200
- Flaws: 2 each in plates and tee, 3 in pipe, 11 total
- Supply with CAD drawing
- Weight: 23Kg



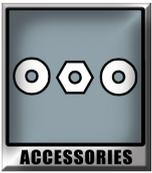
## 2) Standard RT Kit (Radiographic Testing)



### 8 Plates, 1 Pipe and 1 Tee

20 Randomly Placed Discontinuities (Flaws)

- Material: Carbon Steel
- Kit Spec: 10 Specimens
  - (5) Plates @ 10X100X200 (weld length: 100mm)
  - (3) Plates @ 16X100X200 (weld length: 100mm)
  - (1) Tee @ 10X100X100X200 (weld length: 100mm)
  - (1) Pipe @  $\Phi$  (105~120) x10X200
- Flaws: 2 each specimen, **20 total**
- Supply with CAD drawing
- Weight: 32Kg



### 3) Standard UT Kit (Ultrasonic Testing)



#### 8 Plates, 1 Pipe and 1 Tee

20 Randomly Placed Discontinuities (Flaws)

- Material: Carbon Steel
- Kit Spec: 10 Specimens
  - (5) Plates @ 10X100X200 (weld length: 100mm)
  - (3) Plates @ 16X100X200 (weld length: 100mm)
  - (1) Tee @ 10X100X100X200 (weld length: 100mm)
  - (1) Pipe @  $\Phi$  (105~120) x10X200
- Flaws: 2 each specimen, **20 total**
- Supply with CAD drawing
- Weight: 32Kg



#### 4) Visual Testing Kit (VT Kit)



##### Standard VT Kit

- Material: Carbon Steel
- Kit contains 10 Specimens:
  - (7) Plates @10X100X200 (weld length: 100mm)
  - (3) Tee @ 10X100X100X200 (weld length: 100mm)
- Flaws: 2 per specimen, **20 total**
- Supply with CAD drawing
- Weight: 32Kg



## 5) API-UT-1 Qualification Kit

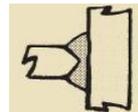
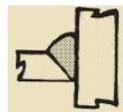
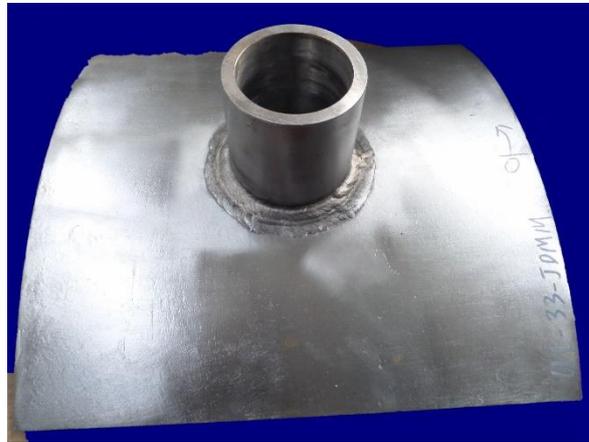


### API-UT-1 Kit

- Material: Carbon Steel
- Kit contains 4 Specimens:
  - (1) Plate @ 1.0"T
  - (1) Plate @ 0.5"T
  - (1) Pipe @ 8" Sch80 (360°)
  - (1) Pipe @12" Sch80 (180°)
- Flaws: 3 per specimen, **12 total**
- Supply with CAD drawing



## 6) Tubular TYK Weld Joint -T ,K Joint



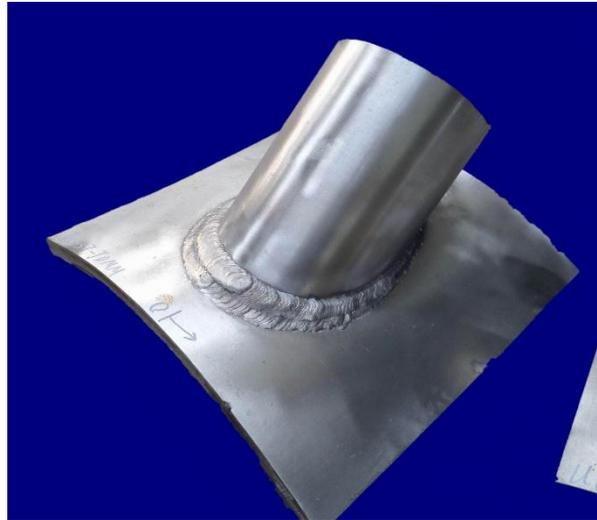
T Joint: K Joint:

Diameter x Thickness:

- Penetration 150 mm x(10-12) mm
- Carrier Convex Plate (dia. 800-1200 mm)
- Dimensions: 500 mmx 500 mm x 25 mm
- Material: Carbon Steel
- Supply with CAD drawing



## 7) Tubular TYK Weld Joint -Y Joint

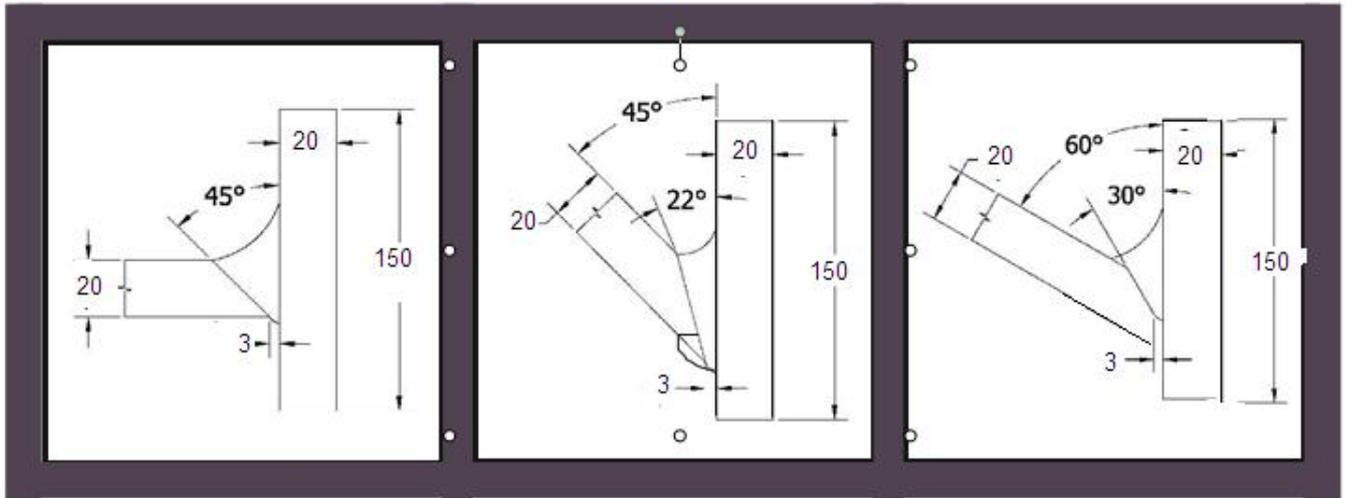


- Diameter x Thickness: Stub 150 mm x (10-12)mm
- Material: Carbon Steel
- Carrier Convex Plate (dia. 800-1200 mm)
- Dimensions: 500 mmx 500 mm x 25mm
- Supply with CAD drawing



## 8) API RP-2X PRACTICE SPECIMENS KIT

- Material: Carbon Steel
- contains 3 Specimens:



- 90 ° “T” CONNECTION  
20 (T) x 500 (WELD LENGTH) x 150 x 200mm LEG
- 45° ONNECTION  
20 (T) x 500 (WELD LENGTH) x 150 x 200mm LEG
- 60° CONNECTION  
20 (T) x 500 (WELD LENGTH) x 150 x 200mm LEG
- **Flaws: 4 per specimen, 12 total**

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