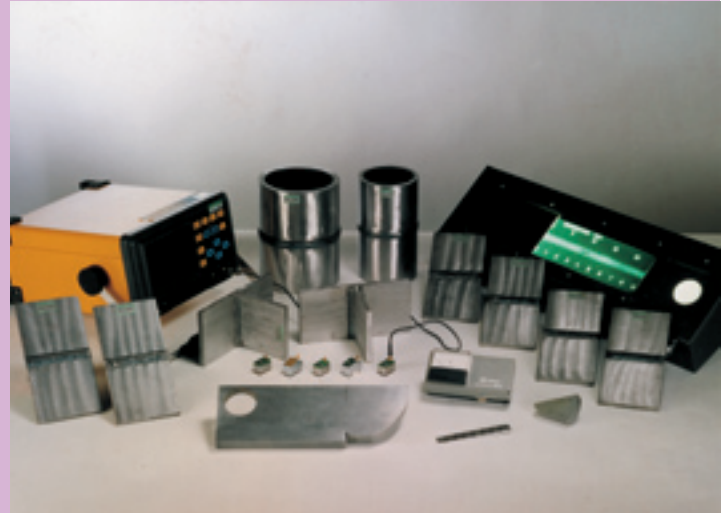




Basic Weld Flaw Evaluation

A set of small lightweight and convenient to handle welds specimens, each containing either one or two flaws and a minimum of 15 flaws per set. The sets are designed for practical training to provide an introduction to flaw detection, sizing and interpretation.

- Introduction to basic flaw detection
- Introduction to basic flaw sizing
- Introduction to basic flaw interpretation
- Simple weld geometry's



Set contents

- 10 small flawed specimens
- Average 15 real flaws
- Flaw location details
- Testing and acceptance criteria
- Certificate of conformance

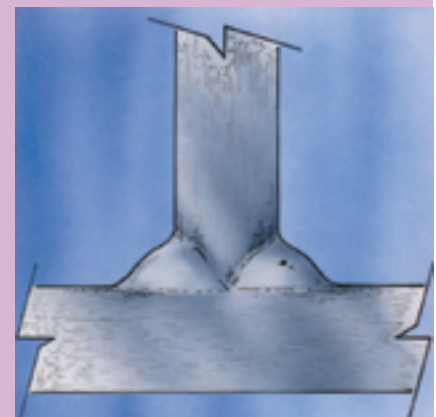
A sturdy storage box is available for each set.

NDE methods

Sets are available in UT, RT, MT, PT and VT methods.

Materials

- Carbon Steel
- Stainless Steel
- Aluminium



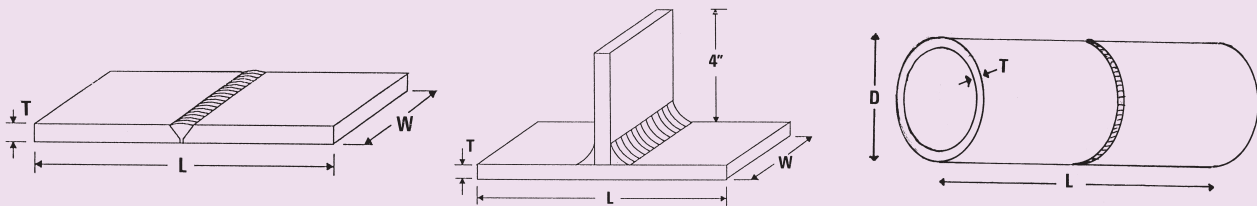
For Level II training and qualification ie ASNT-TC-IA, PCN, EN473 and others

UT & RT SET CONTENTS			
Discription	Thickness	Width	Length
1 Tee	1 [3/8]	10 (4)	20 (8)
3 Plates	1 [3/8]	10 (4)	20 (8)
4 Plates	1.5 [5/8]	10 (4)	20 (8)
2 Pipes	1 [3/8]	10 (4)	20 (8)

MT/PT & VT SET CONTENTS			
Discription	Thickness	Width	Length
7 Plates	0.6 [1/4]	10 (4)	20 (8)
3 Tees	0.6 [1/4]	10 (4)	20 (8)

INDIVIDUAL SPECIMENS Dimensions: cm (inch)

Specimen	Thk's (T)	Width (W)	Dia (D)	Length (L)	MT/P & VT	UT & RT
Pipe	1 [3/8]	-	10 (4)	20 (8)	Yes	Yes
Pipe	1.8 [3/4]	-	15 (6)	20 (8)	No	Yes
Tee	0.6 [1/4]	10 (4)	N/A	20 (8)	Yes	No
Tee	1 [3/8]	10 (4)	N/A	20 (8)	No	Yes
Plate	0.6 [1/4]	10 (4)	N/A	20 (8)	Yes	No
Plate	1 [3/8]	10 (4)	NA	20 (8)	No	Yes
Plate	1.5 [5/8]	10 (4)	NA	20 (8)	No	Yes
Plate	2.5 (1)	15 (6)	NA	25 (10)	No	Yes

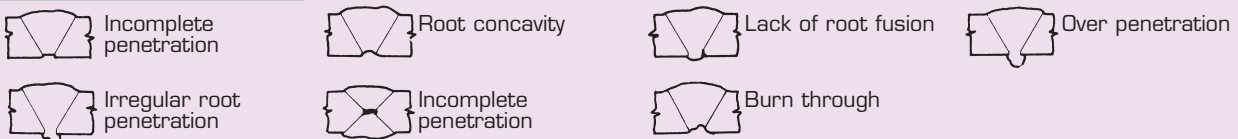


FLAW TABLE

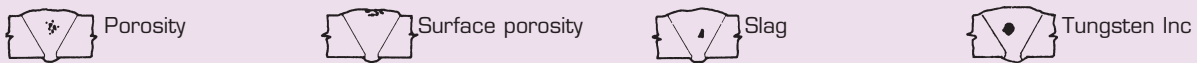
PLANAR FLAWS



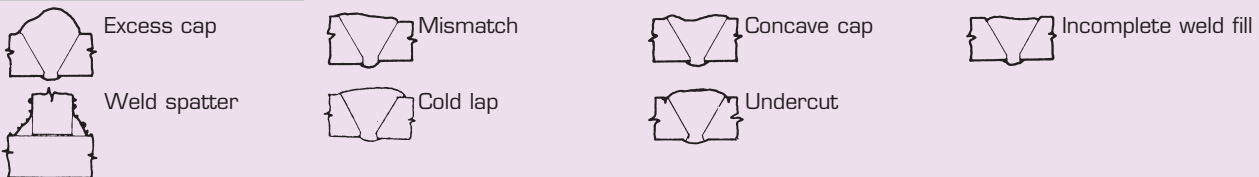
ROOT CONDITIONS



VOLUMETRIC FLAWS



OTHER WELD CONDITIONS



MATERIALS

Set type	Carbon Steel	Stainless Steel	Aluminium
	Grade A36*	Grade 304*	Grade 7075*
Ultrasonic	Yes	Yes	Yes
Visual	Yes	-	-
Magnetic	Yes	-	-
Penetrant	Yes	Yes	Yes
Radiographic	Yes	Yes	Yes

* Or similar/equivalent materials

SPECIMEN DETAILS

Description	Dimensions: cm (inch)
Flaw length range	1 [3/8] to 1.8 [3/4]
Flaw height range	0.3 [1/8] to 0.6 [1/4]
Flaw size tolerance	+ or - 0.3 [1/8]
Specimen size tolerance	+ or - 5%
Specimen thickness tolerance	+ or - 10%
Specimen diameter tolerance	+ or - 10%