

WELDED FLAWED SPECIMEN

At UCOMAX we opt for the good manufacturing process so that the desired accuracy is achieved, while making the blocks we take into consideration that the blocks are made from good quality raw material which are free from any pre-existing discontinuities & correct alloy is used.

Our Welded Flawed Specimens are precision-engineered samples containing intentional, controlled defects within or around the weld area. These flaws—such as cracks, lack of fusion, porosity, or slag inclusions—closely replicate real-world welding imperfections.

These specimens are ideal for:

- NDT training and certification
- Procedure and technique validation
- Equipment performance evaluation
- Skill assessments for UT, RT, PAUT, TOFD.

We offer Welded Flawed Specimens in a wide range of Materials of Construction (MOCs), including Carbon Steel (CS), Stainless Steel (SS), Inconel, and other industrial-grade alloys commonly used across refineries, chemical plants, Fertilizers and petrochemical complexes. Each specimen is crafted to match the metallurgical and structural characteristics of real-world components,

Manufactured to industry standards, each specimen ensures repeatability, reliability, and accuracy for your inspection and training needs.

NDT Flawed Specimens Validations Specimen for NDT Training, Examination, Mock-up and Qualification.

PLATE TO PLATE WELDED SAMPLE



PLATE TO PLATE 'T JOINT'



PIPE WELDED SPECIMEN



SET IN AND SET ON NOZZLES



OTHER COMPLEX GEOMETRIES



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