Test Piece according to EN ISO 3452-3


Test Piece 1 (according to EN ISO 3452-3)

Application:
The test piece 1 is used to determine the sensitivity of fluorescent and dye penetrants.

To determine the sensitivity of fluorescent penetrants the plates with a crack depth between 10 and 30 µm are used. The plates with a crack depth between 30 and 50 µm are used to determine the sensitivity of dye penetrants.

Test Piece according to ASME

Application:
The ASME test piece is used to control the indication sensitivity of penetrants.

Due to its separation into two halves a direct comparison of two penetrants applied on one half each is possible.

Marking of EN Test Piece

Each test piece 1 and 2 must be marked with EN ISO 3452-3, the marking of the supplier and the serial number.

Each test piece must be accompanied by an acceptance test protocol 3.1.B according to EN 10204 certifying the conformity with EN ISO 3452-3.

Test Piece 2 (according to EN ISO 3452-3)

Application:
Test piece 2 is used for routine judgement of the fluorescent and dye penetrants in systems and tanks in which workpieces were plunged in.

The test piece consists of an austenitic base plate, one side chromed having 5 different sized star-shaped cracks and on the other side 4 different surface roughness grades. The rough areas are used for the check for the intermediate cleaning.