

# Test Pieces

## Test Piece according to EN ISO 3452-3

The European standard EN ISO 3452-3 replaced standard DIN 54152 part 3 in 1998.

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

#### Application:

The test piece 1 is used to determinate the sensitivity of fluorescent and dye penetrants.

To determinate the sensitivity of fluorescent penetrants the plates with a crack depth between 10 and 30  $\mu\text{m}$  are used. The plates with a crack depth between 30 and 50  $\mu\text{m}$  are used to determinate the sensitivity of the dye penetrants.



Test piece 1  
Set with 4 plates  
according EN ISO 3452-3  
Ref.No. 135 509

## 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.

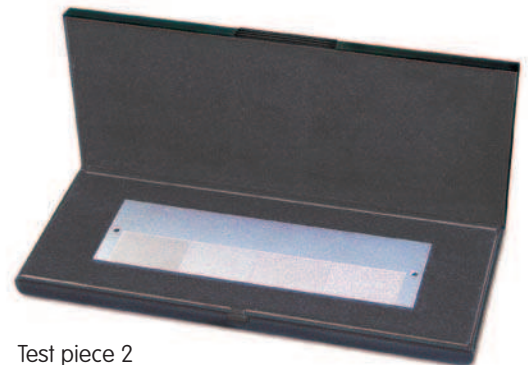
### Test Piece 2 (according to EN ISO 3452-3)

#### 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.

Ra - 2,5 $\mu\text{m}$	*
Ra - 5 $\mu\text{m}$	*
Ra - 10 $\mu\text{m}$	*
Ra - 15 $\mu\text{m}$	*



Test piece 2  
according to EN ISO 3452-3  
Ref.No. 135 510

## 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.



ASME test piece  
Ref.No. 135 520