DE LOOPER N.D.O.
non destructive testing & inspection equipment

Reference block 2

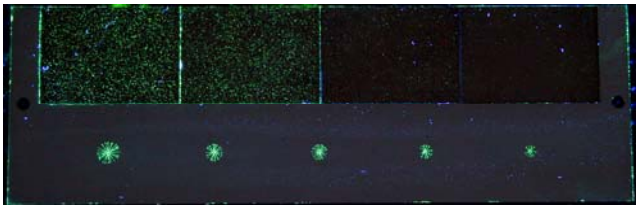
for fluorescent penetrant method acc. To DIN EN ISO 3452 Part 3

127.550.000

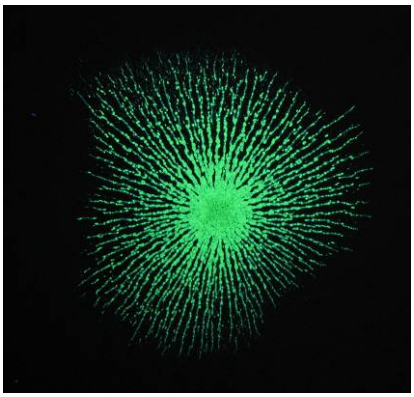
The reference block 2 consists of an austenitic base plate, which is chromium-plated on one side and provided with 4 different surface roughnesses on the other side. 5 star-shaped crack patterns of different sizes are generated in the chromium-plated side by applying a pressure load to the rear side with a ball. The rough areas are used for control of the intermediate rinse step. The indication on the reference block gives no suggestion of the indication on the part under test. The user uses the reference block for the control of inspection material.

For checking the rinsability of penetrants four adjacent areas sized 25 x 35 mm are placed on one half of the panel with roughness of R_a = 2,5 µm, R_a = 5 µm, R_a = 10 µm and R_a = 15 µm.

The defect area is located on the other half of the test surface of the panel. The size of each defect is determined optically at its maximum diameter using calibrated scales.



Display of Reference lock 2 with fluorescent penetrant



Measurement of a typical index by image
Processing system