NDT Supply.com
7952 Nieman Road
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Spec Sheet: Precision-Star ISO 3452-3: 2014, PT Panel, Typ 2

Type 2 reference test blocks (PT test Panel type 2) are used for routine assessment of the performance of both fluorescent and colour contrast penetrant facilities and part-used containers.

The type 2 reference block (PT test Panel) consists of a single panel of which one half has been hard plated and the other half prepared to achieve areas of specific roughness. The hard plated side exhibits five star-shaped discontinuities.

Design / General:
The test panel (see figure 2) is rectangular in shape with dimensions of
155 mm x 50 mm x 2.5 mm (tolerances ± 10 %)
The base material is a stainless steel plate type X2 Cr Ni Mo 17-12.3 (1.4432)

Rinsability area:
For checking the rinsability of penetrants four adjacent areas sized 25 mm are produced down on one half of the test surface of the panel with roughness of
Ra = 2.5 µm, Ra = 5 µm, Ra = 10 µm, Ra = 15 µm (see figure 2).

Defect area:
The defect area is located on the other half of the test surface of the panel (see figure 2).

Plating:
The test surface of the panel shall be plated with a 60 µm ± 3 µm thick hard coating material. The roughness of the hard coating area shall be 1,2 µm to 1,6 µm.

Artificial defects:
The five artificial defects shall be uniformly spaced and in size order, the smallest being adjacent to the least rough area. The artificial defects shall lie within circles of the following diameter given in the next table:

Defect number	1	2	3	4	5
Typical (diameter) dimensions	3 mm	3.5 mm	4 mm	4.5 mm	5.5 mm

(tolerances ± 10 %)

Measurement:
The size of each defect is determined optically at its maximum diameter using calibrated scales.

Test report:
A certificate, type 3.1 B according to EN 10204, giving the actual measured values of five artificial defects and shall accompany each test panel.

Identification:
Each test panel shall be identified with EN ISO 3452-3 followed by the identification of the supplier and by serial number. A declaration stating conformance to EN ISO 3452-3 and in line with EN 10204 type 3.1 B shall accompany each test panel.

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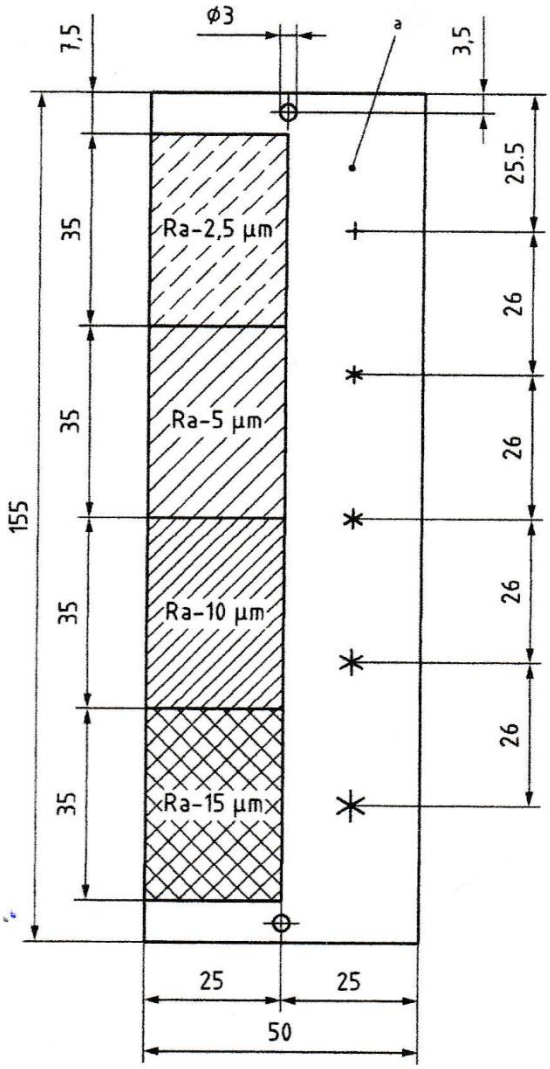
DIN EN ISO 3452-3:2014-03
EN ISO 3452-3:2013 (D)

Maße in Millimeter



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