

Reference Block Type 2



Type 2 Reference Blocks are utilized for the regular evaluation of DPI system performance. These blocks consist of 5 artificial star-shaped defects, ranging from 3.0 to 5.5mm diameters, on one side. Additionally, the 4 adjacent patches on the same side feature different roughnesses of 2.5 μ m, 5 μ m, 10 μ m, and 15 μ m.

Description:

- To assess penetrant washability, the reference test block features four surfaces on one side, each with distinct roughness grades (Ra=2.5 μ m, Ra=5 μ m, Ra=10 μ m, Ra=15 μ m).
- On the opposite side of the reference test block, five synthesized faults are present, facilitating the determination of the indication grade of a penetrant system.
- The supplier's identification and the serial number are located on the backside of the reference test block, providing a clear reference to the accompanying test certificate.
- Values documented in the test certificate are measured under UV-light conditions. It's important to note that different values may be obtained if measurements are conducted after red/white penetrant testing.

Specification compliance:

- ISO 3452-3:2013

Recalibration:

- We recommend an annual recalibration of the reference test block by the manufacturer or supplier. This precaution is necessary because the reference test block's quality may deteriorate over time with regular use.

Storage Conditions:

- It's essential to avoid storing reference test blocks in solvents, as this can compromise their integrity. We strongly discourage the routine use of ultrasonic cleaning equipment.