INSIZE

www.insize.com

ISU-PB3

PENETRATION STANDARD TEST BLOCK

OPERATION MANUAL

PLEASE SCAN QR CODE TO WATCH THE OPERATION VIDEO OF PRODUCTS.

VIDEO

V0

INSIZE

JB/T6064-2015 TypeB3

Penetration standard test block

(Meets the requirements of standards set forth by ASME)

1.SCOPE OF APPLICATION

1.1The test blocks are used as an effective quality control tool for all penetrant materials, processes and personnel.As an effective quality control tool for the material of the flaw detection agent and the operation level of personnel, the test block is applicable to all occasions of penetration flaw detection (fluorescence or coloring).It is one of the most commonly used tools for quality control of penetration testing.

2.USAGE METHOD

2.1JB/T6064-2015 B3 type test blocks are three groups noteasily visible to the naked eye on the chrome-plated surface,opening width and length of the fine radiation cracks, corresponding to the high, medium and low three groups of penetration flaw detection sensitivity.

2.2Penetration flaw detection work shift begins, should be the test block according to all the penetration system requirements of the process (can also be in the work shift will be placed on the test block and the parts being examined together to deal with), and then observe the test block on the display of artificial defects; if the display is normal, it can be assumed that the flaw detection system to achieve the expected sensitivity. Usually, the use of units can be based on the requirements of the object inspected on the detection of sensitivity to a certain degree of display of artificial defects on the test block as a normal calibration standard.

2.3The test blocks can also be used for the selection and acceptance of new flaw detectors or for the assessment of flaw detectors' operations, respectively.

3.REFERENCE PICTURE

3.1Each test block is accompanied by a reference image for imaging, which is a record of the imaging obtained from the inspection of the test block by our factory's Level II or above flaw detection personnel using medium to high sensitivity flaw detection agents. It can be used as a reference by the user unit. The inspection department of the user unit can also create reference imaging images corresponding to the sensitivity required by the unit for the test blocks used.

3.2For experienced flaw detection personnel who frequently use test blocks, familiarity and memory of the normal imaging patterns of the test blocks are more convenient and effective than using reference imaging images.

4.PRECAUTIONS FOR USE

4.1After use, the test block should be rinsed clean of all powder, washed with acetone or alcohol and soaked in such solvents for at least one hour and dried for use.

4.2Perform the flaw detection procedure on the test block according to the instruction manual for the flaw detection agent used. Because the colouring detectors affect the fluorescence of fluorescent detectors, the fluorescent and colouring detectors should be separately test blocks should be equipped separately for fluorescent and coloured flaws.

4.3It is advisable to soak the test block in alcohol or place it in a desiccator when not in use.

4.4Test blocks should be dried before use.