

Calibration & Test Blocks

Sonatest supply a very wide range of calibration and test blocks which are available on request, please contact us for details.

Calibration Block No 1 (EN12223)



A steel block for the calibration of ultrasonic flaw detection and inspection equipment used in material testing. Also used for the calibration of shear & longitudinal transducers, determination of shear wave emission point, refracted angle. Also used for the measurement of sensitivity and resolution.

Calibration Block No 2 (EN27963)



For the ultrasonic examination of welds. To check angle transducers for beam angle and index point. Available in 12.5mm and 20mm thickness.

Sonatest Universal CBU Calibration Block



For calibration of small shear wave and longitudinal transducers, determination of shear wave emission point, refracted angle and measurement of sensitivity and depth resolution. 50mm radius

Steel Step Wedge



1mm to 8mm in 1mm steps. Each step is 20mm x 20mm. Used for checking the sensitivity of twin transducers on thin sections when using a flaw detector.

Steel Pipe Wedge



Made from 50 mm diameter pipe with thickness steps of 10, 8, 6, 4 and 2 mm. This pipe wedge simulates steam boiler tubes in power stations and is used to calibrate flaw detectors for thin tube inspection

Calibration Step Wedge Metric



Series of steel discs set into a Perspex block for calibration and linearity checking of thickness meters and flaw detectors. Wedge thicknesses 1.5, 2.5, 5.0, 10.0, 15.0, 20.0 mm.

Calibration Step Wedge Imperial



Series of steel discs set into a Perspex block for calibration and linearity checking of thickness meters and flaw detectors. Wedge thicknesses 0.05, 0.1, 0.2, 0.3, 0.4, 0.6 in.

Velocity Block



Equivalent to 1 μ s thickness of a known velocity in steel. The block is mounted on Perspex. Used to check the velocity of other materials with thickness meters.