

Reference Blocks

A wide range of standard calibration blocks as per national & international specifications are available. Blocks are made in Steel & Aluminum. Special blocks to customers specification are also manufactured. Each block has serial number & test certificates are provided.

Type / Order Code	Shapes	Description / Application	Standard Made To	Material / Size
V1(A2)1 V1		System evaluation block For range, sensitivity, resolution and angle checking calibrations.	ISI, BS 2704 DIN 54120 IIWAWS	Steel 300 x100 x 25 mm
V1(A2)1 V1-B		As above but with straight saw cut instead of 25 mm radial cut.	BS 2704 DIN 54120 IIW	Steel 300 x100 x 25 mm
V2(A4)1 V2		Miniature calibration block for angle beam with 5 mm target hole.	BS 2704 IOW	Steel 75 x 43.3 x 12.5 mm
STEP BLOCK/ SB 10		Step Block with ten steps in 1 mm increment from 1mm to 10 mm, for thickness and linearity calibration.	General	Steel 200 x 20 x 10 mm
STEP BLOCK/ SB 20		Step Block with ten steps in 2 mm increment from 2mm to 20 mm, for thickness and linearity calibration.	General	Steel 200 x 20 x 20 mm
A51 IOW AS		Beam Profile resolution and sensitivity testing of probes.	BS 2704	Steel 305 x 75 x 50 mm
Area Amplitude ASTM-AA		To determine distance to flaw size and echo amplitude relation set of 8 blocks	ASTM	Steel/ Aluminum 2"dia.,3" metal path 1/64" to 8/64" and FBH
Distance - Area Amplitude ASTM - DA		To check dead zone, sensitivity, distance 1 area amplitude relation. Basic set, set of 10 blocks.	ASTM	Steel/ Aluminum 2" dia., various metal path and FBH
Distance - Amplitude ASTM-DA19		To determine distance to echo amplitude relation set of 19 numbers	ASTM	Steel/ Aluminum 2"dia, Various metal path, choice of 3/64" to 5/64" to 8/64" FBH

Type / Order Code	Shapes	Description / Application	Standard Made To	Material / Size
Sensitivity Resolution ASTM - 5R		To test UT equipment as per ASTM E 317 for dead zone, sensitivity and linearity. Set of 9 nos. and one special block.	ASTM	Steel/ Aluminum 2" dia., various metal path and FBH. One rectangular block
DC /DC		For shear wave distance and beam index calibration	AWS	Steel/ Aluminum 2" & 4" dia., half round, 1" thick.
SC/SC		For shear wave sensitivity calibration	AWS	Steel/ Aluminum 3" x 1.25" x 0.90"
BASIC/ ASME BASIC		Basic calibration blocks for sensitivity calibration for weld testing. Metric conversion.	ASME article 5, T – 546.1	Steel Size dependant on thickness, Specify thickness required