



CALIBRATION BLOCK SELECTOR WALL CHART



ORDER CODE	SHAPE (not to Scale)	TYPE	DESCRIPTION/ APPLICATION	STANDARD MADE TO	MATERIAL/ SIZE
No.1		EUROPEAN STANDARD	No.1 Calibration Standard Calibration of shear and compression wave probes. Checking beam angle, emergent point and resolution. Calibration of time base and gain settings. 3mm target hole.	EN12223 2000 Tolerance +/-0.1mm	STEEL 25mm x 100mm x 300mm 5.2kg (Optional 50mm thickness) 10.4kg
V1		A2	V1 Calibration Standard Calibration of shear and compression wave probes. Checking beam angle, emergent point and resolution. Calibration of time base and gain settings. 1.5mm target hole.	EN12223 2000 Formerly BS2704 Tolerance +/-0.1mm	STEEL 25mm x 100mm x 300mm 5.6kg (Optional 50mm thickness) 10.8kg
No.2		EUROPEAN STANDARD	No.2 Calibration Standard Small calibration block for site checking of shear wave probes, time base and gain settings. 5mm diameter hole target.	EN27963 DEC. 1992 Tolerance +/-0.1mm	STEEL 12.5mm x 43mm x 75mm 0.22kg (Optional 20mm thickness) 0.35kg
V2		A4	V2 Calibration Standard Small calibration block for site checking of shear wave probes, time base and gain settings. 1.5mm diameter hole target.	EN27963 DEC. 1992 Formerly BS2704 Tolerance +/-0.1mm	STEEL 12.5mm x 43mm x 75mm 0.22kg (Optional 20mm thickness) 0.35kg
BCB BCB-N		A5	Beam Calibration Block Beam profile and resolution checks for shear wave probes. Sensitivity checks for shear and compression probes. 9 off 1.5 holes. BCB-N contains four additional 1.5mm diameter holes.	Formerly BS2704 Tolerance +/-0.1mm	STEEL 50mm x 75mm x 305mm 9kg
A6		A6	Evaluating dominant frequency, pulse length, dead zone and resolving power for shear and compression probes.	Formerly BS2704 Tolerance +/-0.1mm	STEEL 25mm x 50mm x 150mm 1.5kg

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RTB		A7	Checking shear wave probe resolution as BS4331 part 3, 1974 (1987). Steps of 2,3,4 and 5mm.	Formerly BS2704 Tolerance +/-0.1mm	STEEL 74mm radius 74mm thick 4kg
MU		SPECIAL	Metric Universal Block for general purpose checking as No.1 block	Tolerance +/-0.1mm	STEEL 20mm x 50mm x 155mm 1.15kg
TBR 2 125		SPECIAL	Radiused Test Block for calibration of boiler probes. Available with 3 or 5 x 1.5mm diameter holes.	Tolerance +/-0.1mm	STEEL 25mm x 20mm x 165mm 0.6kg
LSW		SPECIAL	Ladder Step Wedge for timebase calibration with thickness measuring compression probes. 8 steps from 1mm to 8mm. Plus thickness step of 15mm and notch at 20mm depth.	Tolerance +/-0.1mm	STEEL 8mm x 15mm x 120mm 0.07kg
LSW/M		SPECIAL	Generally as LSW with 25mm diameter steel inserts mounted in plastic. 8 steps from 1mm to 8mm. Also available in other step sizes.	Tolerance +/-0.1mm	STEEL INSERTS Plastic Body 10mm x 20mm x 140mm 0.27kg
CSW		SPECIAL	Curved Step Wedge for timebase calibration of thickness measuring probes. 5 steps - 2,4,6,8 and 10mm.	Tolerance +/-0.1mm	STEEL 100mm long x 300mm I.D Quadrant 0.14kg
ASME (Specify Thickness)		ASME	Setting sensitivity levels for weld testing. Sizes and locations of flaws are dependent on weld thickness. Metric or Imperial.	ASME SECTION V Tolerance +/-0.1mm	STEEL Size dependent on weld thickness
DAC (Specify Thickness)		SPECIAL	Setting DAC characteristics for shear wave and compression wave probes. Flaws typically 3mm diameter holes at 20%, 40%, 60% and 80% of thickness.	(BS 3923) 1986 Tolerance +/-0.1mm	STEEL Size dependent on weld thickness

SPECIAL CALIBRATION BLOCKS

Stepped Bar Samples
With flat bottomed holes.
Up to 400mm bar diameter.

ASTM Area Amplitude Set
Specify hole sizes, depths and materials.

Rail Testing Blocks
Specify hole sizes and positions.

FULL MACHINING OF BLOCKS TO CUSTOMER REQUIREMENTS - FROM 2gm to 45kg

EDDY CURRENT CALIBRATION BLOCKS

Standard Test Block
0.2mm, 0.5mm, 1.0mm Deep Notches.
Supplied in any material.

Profiled notches in curved samples

Notches in Tubes and Bars
Longitudinal and transverse inner and outer surfaces.

PRECISION SPARK EROSION AND MACHINING OF NOTCHES AND HOLES

- Calibration Block material is ultrasonically tested before use.
- Rough machined samples are heat treated and checked for acoustic characteristics.
- All blocks supplied with certification and optional cases.
- Most standard blocks are ex stock - specials are our speciality.

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