

2017

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RAISE ENGINEERING PTE LTD



ULTRASONIC TEST

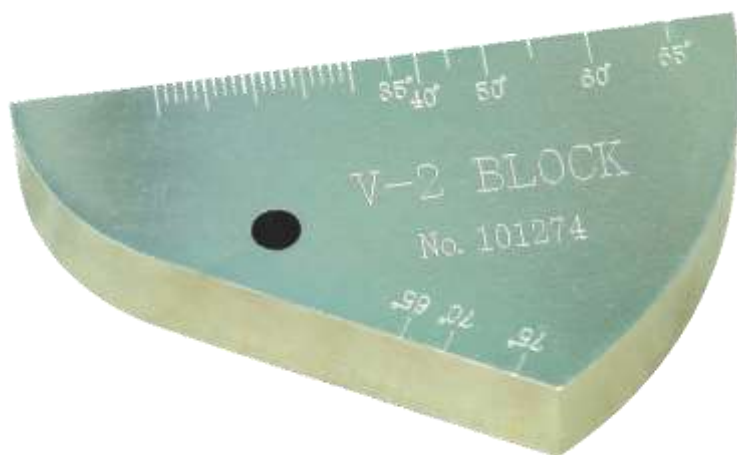
[NDT UT - EQUIPMENTS & ACCESSORIES CATALOUGE]

IIW V1 BLOCK

Used for calibration of shear and longitudinal transducers, and verification of shear wedge exit point and refracted angle. Can also be used for resolution and sensitivity checking. Dimensions: 25.0 mm x 100.0 mm x 300.0 mm. Alloy: 1018 Steel, ss, aluminum, stainless steel Nickel-plated.

**V2 BLOCK**

V2 Small Calibration Block for On-site Checking Of Miniature Shear Wave Probe Index, Time Base, Beam Angle and Gain. From 35 To 75 Degrees. In Accordance With Standards. Made From: 1018 Steel, Aluminum & Stainless Steel

**DSC BLOCK**

AWS-type block used for shear wave distance and sensitivity calibration. Metric version. Fitted wooden storage case optional.





DC BLOCK

AWS-type block used for shear wave distance calibration.

Contains a 25.0 mm radius overlaying a 50.0 mm radius on a 180° segment.

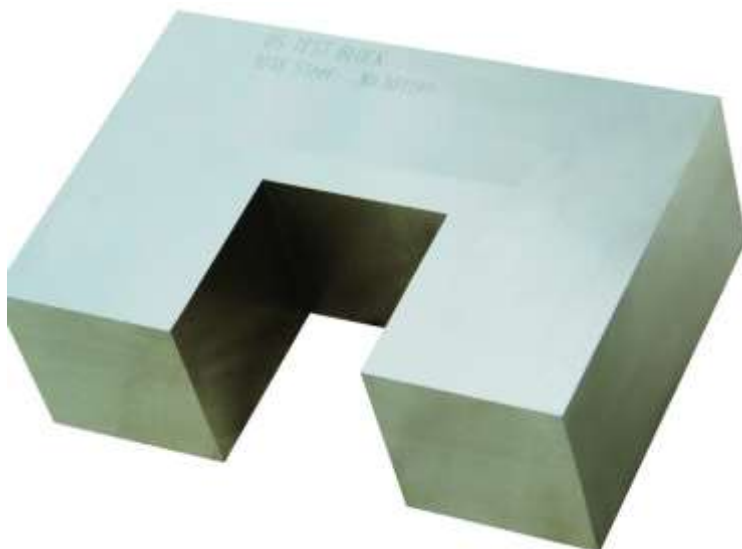
In accordance with ASTM E164 and BRR/AWS X-1 specifications.

IOW BLOCK

Used for beam profile measurement of angle beam transducers and measurement of transducer angles. Contains nine 1.5mm diameter x 22mm deep side drilled holes.

In accordance with British Standard 2704 requirements.

Dimensions: 305mm x 75mm x 50mm Made from carbon steel
Fitted wooden storage case.



DS BLOCK

AWS-type block used for longitudinal distance and sensitivity calibration.

Contains a 2.0" high section between two 4.0" sections.

In accordance with AWS requirements.

FBH BLOCK SET

Set of nineteen flat-bottom hole blocks used to determine the relationship between metal travel distance (MTD) and signal amplitude. All blocks have the same size flat-bottom hole and varying MTD. Hole diameter must be specified when ordering (3/64", 5/64" or 8/64"). In accordance with ASTM E428.

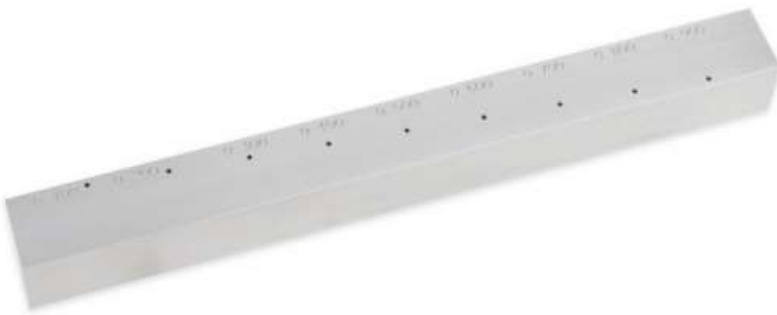


DRILLED HOLE SIZING BLOCK

This block contains (9) 1/16" diameter thru-holes located from 0.100" to 0.900" from the scanning surface. Nominal location is laser engraved on the side of the block.

Dimensions: 1.000" x 1.000" x 10.000" Made from 1018 Steel, Nickel plated.

Blocks can be made in most alloys, including exotics.



STEP WEDGES

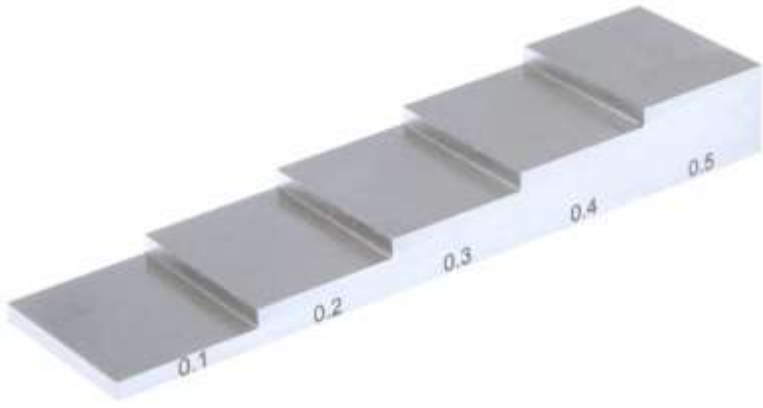
Thickness and linearity calibration. These Various Step block is the metric "A" version. Variations

of this block are available if additional steps are preferred. Also, larger step faces are offered

for use with large diameter transducers. In accordance with ASTM E797.

Also 90° Curved Step block is machined from solid 2" diameter bar with Various step thicknesses.

Materials: carbon steel, Aluminum, SS



UT PROBES

Single Element Contact Transducers are longitudinal wave transducers designed for general purpose manual ultrasonic inspection where test materials are relatively flat and smooth. Contact transducers provide high sensitivity for better penetration and are ruggedly constructed for extended service life under the roughest testing conditions.



Sr No	Description	Unit Price
01	IIW V1 BLOCK	
02	V2 BLOCK	
03	DSC BLOCK	
04	DC BLOCK	
05	IOW BLOCK	
06	DS BLOCK	
07	FBH BLOCK	
08	DRILLED HOLE SIZING BLOCK	
09	STEP WEDGES	
10	UT PROBES	

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