

Resolution & Penetration Phantom

Model ATS 534



Model 534 tissue-mimicking (TM) phantom are designed to evaluate the performance of diagnostic ultrasound imaging systems.

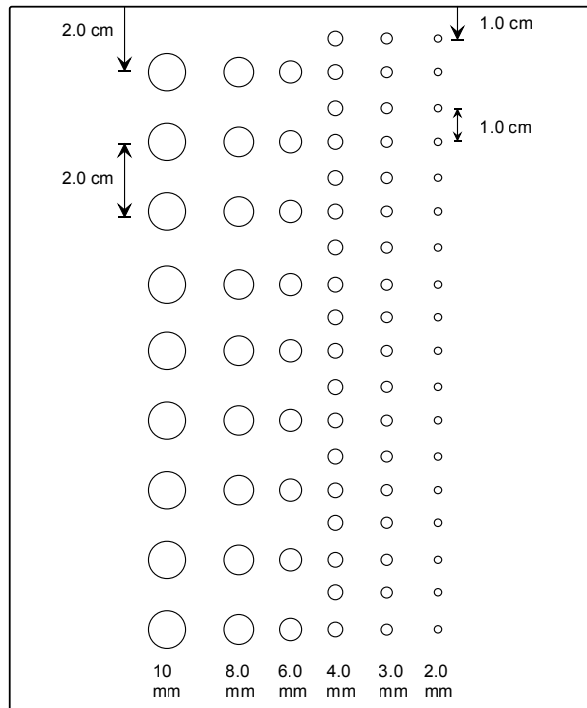
Our phantom contains 81 anechoic, cylindrical target structures of varying sizes. The targets are positioned in-line vertically, to permit an entire target group to be displayed in one view. Due to the acoustic similarity of the background material and the anechoic targets, artifacts caused by distortion, shadowing or enhancement have been eliminated. All ATS urethane phantoms are guaranteed for the useful life of the phantom, defined as 10 years.

Key Tests with Model ATS 534

- Uniformity
- Depth of Penetration
- Beam Profile/ Focal Zone/ Lateral Response Width
- Contrast Resolution

CIRS

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SPECIFICATIONS

DIMENSIONS	20.3 x 23.3 x 9.5 cm (8" x 9" x 4")
PHANTOM WEIGHT	7 lbs. (3.1 kg)
HOUSING MATERIALS	PVC
SCAN SURFACES	4
SCAN SURFACES DIMENSIONS	14.5 x 7.5 cm 7.5 x 7.5 cm
TISSUE-MIMICKING MATERIAL	Urethane Rubber

MODEL ATS 534 INCLUDES

QTY	COMPONENT DESCRIPTION
1	Resolution & Penetration Phantom
-	10-Year Warranty
-	User Guide
-	Certificate of Compliance

URETHANE PROPERTIES

Freezing point: < -40°C
 Melting point: Above 100° C
 Speed of Sound: 1450 m/s at 23°
 Attenuation Coefficient: 0.5 db/cm/MHz(measured at 3.5 MHz)

ANECHOIC STEPPED CYLINDERS

Type: Non-echogenic, cylindrical
 Diameter: 2, 3, 4, 6, 8, 10 mm
 Depth: 1.0 - 18.0 cm

