

Resolution & Penetration Phantom

Model ATS 504



Model 504 is designed to evaluate the performance of diagnostic ultrasound imaging systems.

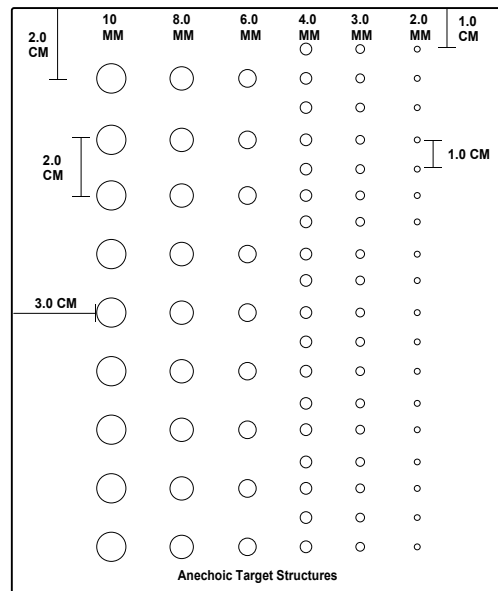
These phantoms contain 81 anechoic, cylindrical target structures of varying sizes. The targets are positioned in-line vertically, to permit an entire target group to be displayed in one view. Due to the acoustic similarity of the background material and the anechoic targets, artifacts caused by distortion, shadowing or enhancement have been eliminated. The Model 504 is manufactured using a Zerdine® hydrogel and has a warranty of one-year.

Key Tests with Model ATS 504

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

CIRS

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SPECIFICATIONS

DIMENSIONS	18.5 x 22 x 8 cm (9" x 8" x 4")
PHANTOM WEIGHT	7 lbs. (3.1 kg)
HOUSING MATERIALS	PVC
SCAN SURFACES	1
SCAN SURFACES DIMENSIONS	16.5 x 5.5 cm
TISSUE-MIMICKING MATERIAL	Zerdine® solid-elastic hydrogel
MEMBRANE	Saran-based laminate

ZERDINE PROPERTIES

Freezing point: <0° C
 Melting point: >100° C
 Speed of Sound: 1540 m/s at 23° C
 Attenuation Coefficient: 0.5 db/cm/MHz (measured at 3.5 MHz)

MODEL ATS 504 INCLUDES

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

ANECHOIC STEPPED CYLINDERS

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

