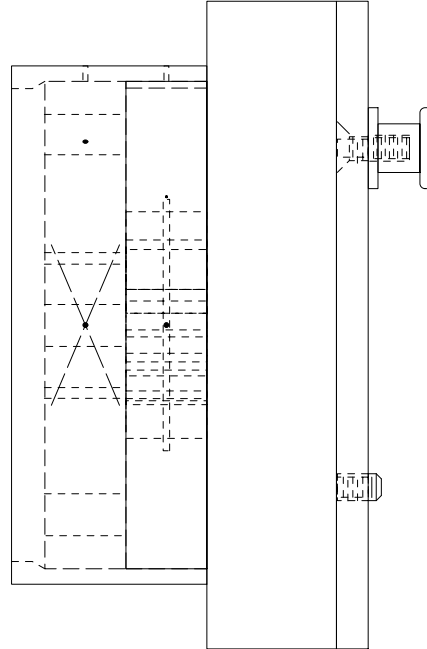


part number
CTP440

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Catphan® 440

The Catphan® 440 is a dependable tool for basic evaluation of CT scanner performance. This cost engineered phantom uses tests similar to those used in the more advanced Catphan® models. The phantom has a cast urethane housing with a 20cm diameter, 4cm thick uniformity section and a 16cm section, that contains the following Catphan® modules: CTP401 slice geometry and sensitometry module and CTP592 low and high contrast resolution module.

The Catphan® 440 allows the following measurements and tests:

- Scan slice geometry (slice width and sensitivity profile)
- high resolution (up to 15 line pairs per cm)
- phantom position verification
- low contrast sensitivity
- spatial uniformity
- scan incrementation
- noise (precision) of CT systems
- circular symmetry
- sensitometry (linearity of CT numbers)
- pixel (matrix) size
- point spread function
- modulation transfer function (MTF)

The Catphan® 440 phantom has an attached mounting bracket. This bracket mounts to the side of the phantom case enabling the phantom to be scanned in air.



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