

# Special High Contrast Resolution Phantom

*MQSA Item*

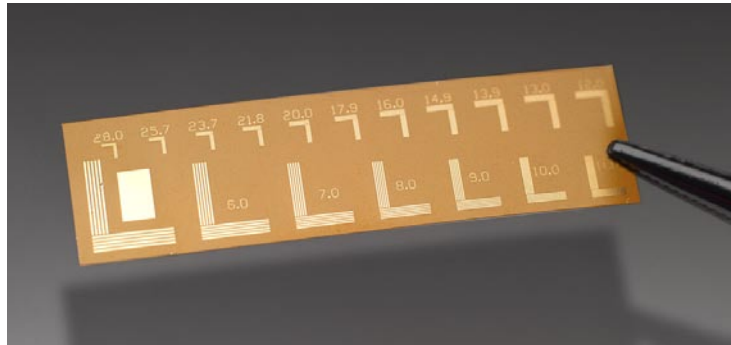
*Up to 28 line pair/mm*

The CIRS Model 016B incorporates a 17.5 micron thick gold-nickel alloy bar pattern. Each bar pattern is positioned at 90 degrees to allow assessment of resolution perpendicular and parallel to anode-cathode axis in just one exposure! The 016B high resolution target has 18 segments from 5 lp to 28 lp/mm. The target is equivalent to 25 microns of lead or 2.6 mm of aluminum at 20 keV.

The bar pattern is permanently embedded in a thin acrylic wafer to protect it from wear or damage.

The phantom body is available in BR12 or BR50/50. It enables consistent, reproducible positioning of the bar pattern at 4.5 cm above the breast support plate and 1 cm from the chest wall, centered laterally (as recommended by the American College of Radiology).

The Model 016B includes a 30x hand held microscope and handling instructions.



**Model 016B**



*Tissue Simulation &  
Phantom Technology*

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# Model 016B Specifications:

## BODY

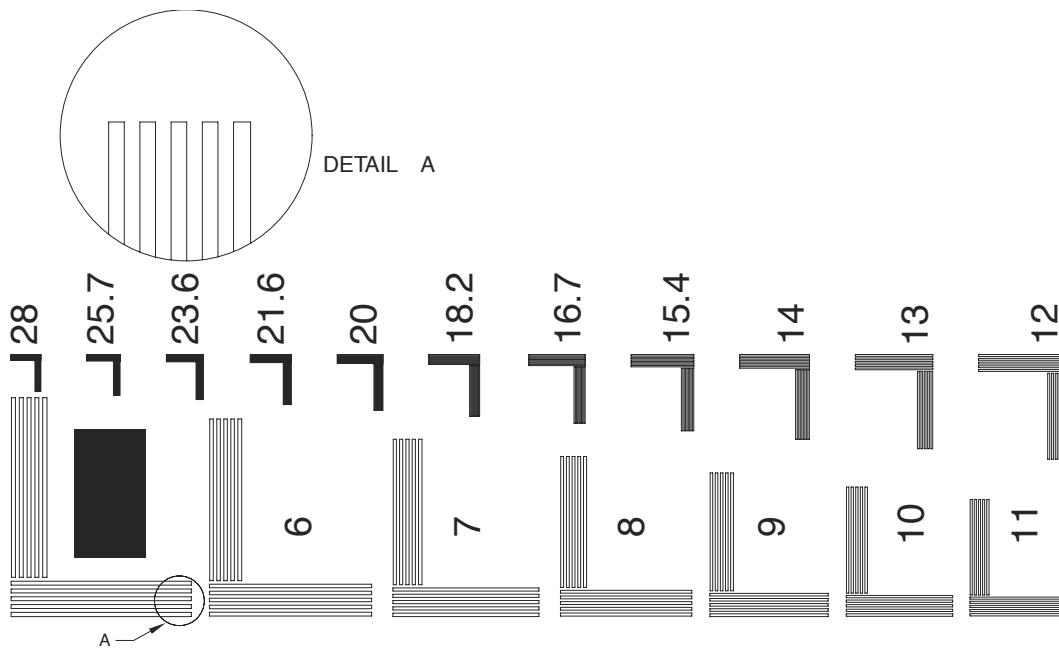
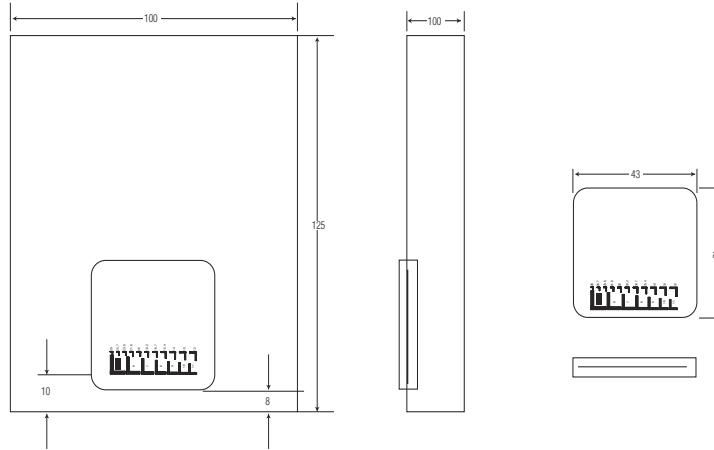
Material: BR12 or BR50/50  
 Length: 125 mm  
 Width: 100 mm  
 Height: 20 mm

## TARGET

Material: Gold/nickel construction (equivalent to 25 microns lead or 2.6 mm aluminum) embedded in acrylic.

## SET

Consists of:  
 (1) acrylic target  
 (2) 12.5 x 10 x 2 cm slabs  
 (1) 12.5 x 10 x 0.5 cm slab  
 (1) 12.5 x 10 x 2 with LP location



The selection of sizes is designed for a consistent "step-down" progression from target to target.