



Focal Spot Test Tool

GAMMEX 112B

The focal spot size of an X-ray tube is a **key factor** in determining system resolution. The smaller the focal spot size, the sharper the image at high geometric magnification.

The Gammex 112B Focal Spot Test Tool consists of six groups of bar patterns with spacing decreasing in 16% steps from 0.84 lp/mm (line pairs per millimeter) to 5.66 lp/mm. The test pattern is mounted on the top of a 16 cm acrylic cylinder.

The test tool works by forming a magnified image of the precision bar pattern. The cylinder provides accurate and reproducible target-to-image receptor spacing. The visually observed limiting resolution can be

simply converted into an effective focal spot size. This process is simpler than the use of an IEC slit camera and can be easier to interpret than a star pattern.

SPECIFICATIONS

Construction Six inch acrylic cylinder with a 12 group bar pattern target mounted on top
 Resolution 0.84 to 5.66 lp/mm
 Size 16.5x7.6 cm diameter (6.5x3 in diameter)
 Weight 329 g (11.6 oz)