



Star Test Patterns

GAMMEX MA0021, MA0431, MA0054 (not shown)

The Gammex MA0021, MA0431 and MA0054 Star Test Patterns can provide the needed tools to help determine focal spot size by observing the regions of blurring which occur when the pattern is radiographed by an x-ray source of finite dimensions. Radiation from different areas of the focal spot will cause a periodic blurring of the pattern due to the penumbra effects. Knowledge of the geometric factors and the distance from the center of the pattern to the region where blurring occurs will permit the calculation of the focal spot size.

SPECIFICATIONS

A = Angle of Single Line within a Sector
 B = Number and Size of Patterned Sectors
 C = Focal Spot Size Measured

	A	B	C
MA0021	0.5°	4-15°	0.1-0.3 mm
MA0431	0.5°	1-360°	0.1-0.3 mm
MA0054	0.5°	4-45°	0.1-0.3 mm

Lead Foil Thickness in Millimeters: 0.05
 Diameter in Millimeters: 55

