

Collimator and Beam Alignment Test Tools

GAMMEX 161B AND GAMMEX 162A

Evaluate collimator light field and x-ray field congruence plus ensure accurate x-ray beam alignment. The Gammex 161B Collimator Test Tool is designed to evaluate the collimator light field and x-ray field congruence according to the Center of Devices and Radiological Health (CDRH) specifications. The Gammex 161B is constructed of brass so that centimeter etchings on its surface can give a direct ruled dimension on the radiograph with a normal x-ray exposure. The collimator test tool is calibrated to show misalignments to within 0.5 cm.

The Gammex 162A Beam Alignment Test Tool provides a simple test of the x-ray beams alignment. When used with the Collimator Test Tool, x-ray beam misalignments of 1% and 2% can be visualized without the need for measuring or calculating. The test instrument is constructed of a plastic cylinder 16 cm (6.3 in) high with two steel balls, one at each end. The steel balls are located directly above one another so that, when level and everything is in alignment, they will be superimposed on the radiograph. A bubble level is included so that accurate tests can be performed with ease.

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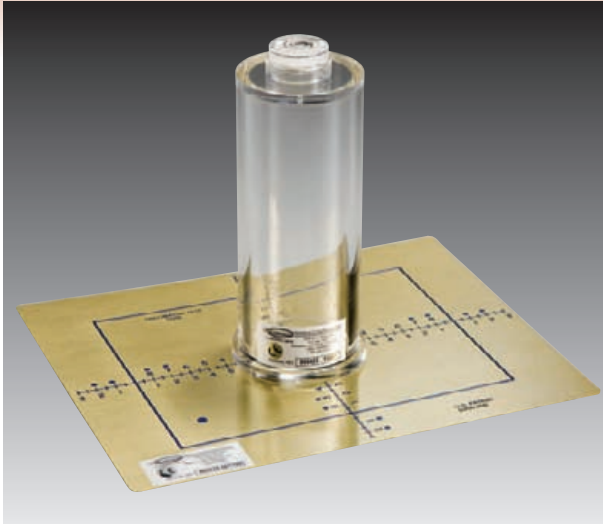




GAMMEX 161B AND GAMMEX 162A

DIAGNOSTIC RADIOLOGY

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SPECIFICATIONS

Gammex 161B Collimator Test Tool

Construction . . . Etched Brass
Dimensions 20x25 cm (8x10 in)
Weight 200 g (6.2 oz)

Gammex 162A Beam Alignment Test Tool

Construction . . . Acrylic Cylinder
Dimensions
Height 16 cm (6.3 in)
Diameter 7 cm (2.8 in)
Weight 260 g (9.2 oz)