

Model L-644 Grid Alignment Test Kit



Ludlum Measurements, Inc.

Introduction

The Model L-644 Grid Alignment Test Kit is designed to confirm that the proper centering and height uniformity of a standard or focused grid is correctly aligned with the central axis of the X-ray beam.

The test procedure is simple and requires that the holed test plate is centered to the X-ray table and positioned such that the length of the tool is perpendicular to the direction of the grid lines. One exposure is then made centered over each hole in the test plate. After processing, the film (image) is examined for potential changes in optical density. A properly centered and level grid should provide five equal densities on the test film (image).



Part Number 99-9429

The test kit includes one plate, 22.9 x 8.9 cm (9 x 3.5 in.), with five test holes. There are also two blocking plates, which measure 8.9 x 6.0 cm (3.5 x 2.4 in.)

All three plates are made of 0.16 cm (0.06 in.) thick lead encased in acrylic material for ease of handling.

Model L-661-662 Collimator / Beam Alignment Test Tool

Introduction

The Ludlum Model L-661-662 Collimator/ Beam Alignment test tool provides the necessary verification of the proper congruence of the collimator light field and the X-ray beam. Misalignment of the collimator may cause key portions of the image to be missing from the radiographic image.

The beam alignment (cylinder) portion of the test tool confirms that the central ray is perpendicular to the image receptor. Improper beam alignment will cause a distorted radiographic image.

The test tool is easy to use and readily identifies misalignments and improper angulation of the X-ray tube.

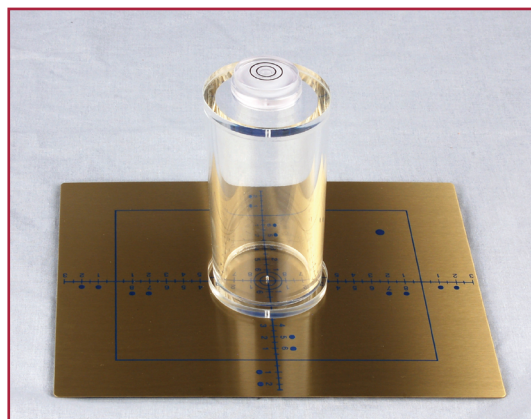
Specifications

Collimator Test Plate Specifications:

SIZE: 20.3 x 25.4 cm (8 x 10 in.) (W x L) plate with 14 x 18 cm (14 x 18 in.) pattern etched onto surface
WEIGHT: 184 g (6.5 oz.)

Beam Alignment Cylinder:

SIZE: 6.4 x 15 cm (2.5 x 5.9 in.) (Dia x L) (outside diameter)
WEIGHT: 0.24 kg (0.54 lb)



Part Number 99-9405