

CUSTOM CALIBRATION LEAD BLOCKERS

PRODUCT INFORMATION

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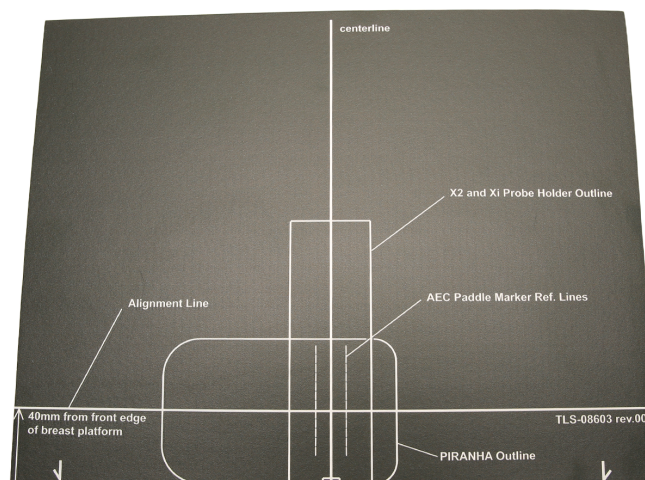
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PHILLIPS SAFETY
PRODUCTS INC.

PRODUCT INFORMATION

CUSTOM CALIBRATION LEAD BLOCKERS



Ensure the precision and reliability of your diagnostic imaging with Phillips Safety Custom Calibration Lead Blockers. Designed as high-quality alternatives to OEM blockers (such as Hologic Calibrating Blockers), our custom solutions provide the absolute attenuation required for critical “Dark Offset” and “Gain” calibrations. Precision calibration is the backbone of clear medical imaging. When your detectors require a “True Zero” reading, our lead blockers provide a definitive barrier, ensuring your digital sensors are reading signals with 100% accuracy across the entire field.

Why Precision Calibration is Essential: Digital X-ray detectors are hypersensitive instruments. Even with the X-ray tube off, pixels can generate “dark current” (electrical noise). Without proper calibration, this noise creates “ghosting” or grainy artifacts in patient images. Our blockers facilitate:

1. **Establishing a “True Zero”:** By placing a Phillips Safety lead blocker over the detector, technicians ensure zero photons hit the sensor, allowing the system to map its baseline electrical noise.
2. **Preventing Signal Bleed:** Our custom blockers create a hard, clean edge that defines the active beam boundaries, preventing “scatter radiation” from hitting areas of the detector that should remain empty.

Calibration Applications: Our lead blockers are engineered for the rigorous sequences followed by field technicians:

1. **Dark Offset Calibration:** Used to capture the “Dark Frame” baseline, which is mathematically subtracted from future images to ensure a clean, noise-free background.
2. **Gain Calibration (Flat-Fielding):** Assists in masking specific areas to verify that software correctly compensates for variations in pixel sensitivity or “dead pixels.”
3. **AEC (Automatic Exposure Control) Testing:** Essential for mammography systems to simulate un-attenuated areas, ensuring the machine does not over-expose the patient.

SPECIFICATION

LEAD EQUIVALENCY: .50mm Pb Eq or 1.0mm Pb Eq

CUSTOM OPTIONS: Dimensions, Lead Equivalency, and Equipment Model

CONTACT

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