

Kolga Model A380-J 15 cm Top Opening High Performance Low Background Lead Shield for HPGE Detectors

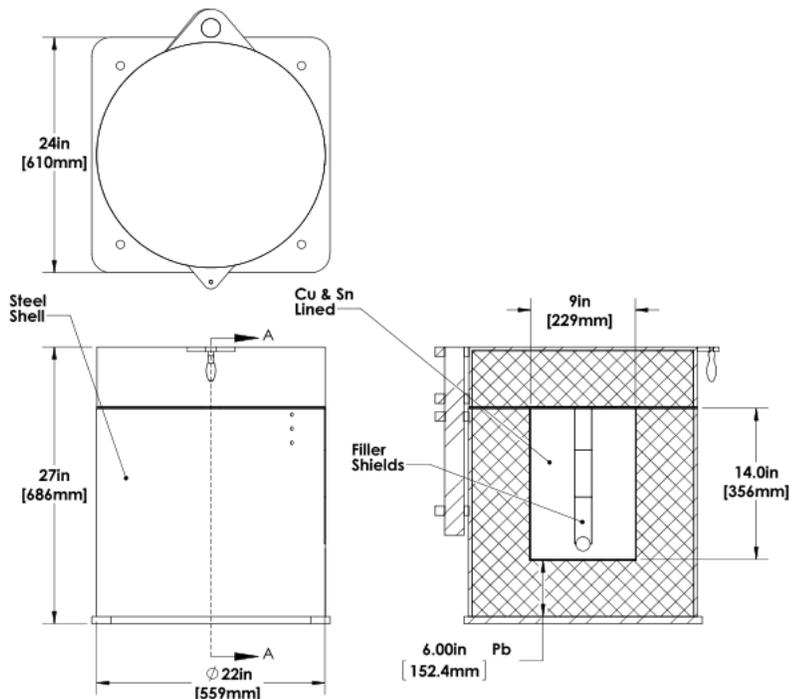
Description



The Kolga Model A380-J is a 15 cm (6 inch) high performance low background copper/tin-lined lead shield for J Style Germanium Detectors (HPGE). The A380-J shield is made from certified DOE Run virgin low background lead. The graded liner is designed to suppress lead x-rays and consists of a 1 mm (0.040 in.) tin layer covered by a 1.5 mm (0.06 in.) oxygen-free copper layer. The top opening lead shield is a full 15 cm (6 inch) to provide the best possible shielding for low background analysis. The shield includes an adjustable detector stand to accommodate a variety of detectors from different manufacturers. The A380-J exterior is coated with durable epoxy paint. All copper components are coated with a clear polyurethane sealer to prevent corrosion.

Specifications

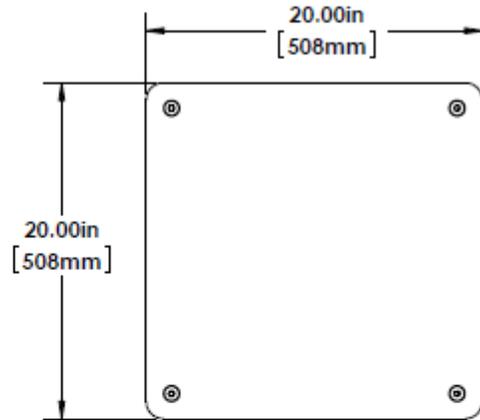
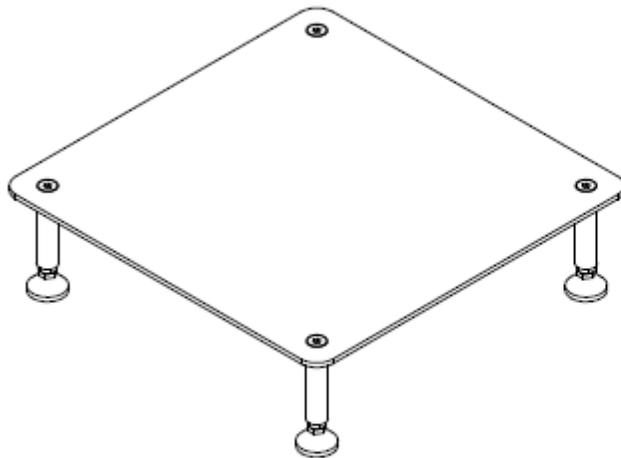
- Overall: Height: 686mm (27in)
Diameter 559 mm (22.0 in.)
- Cavity: Diameter 229 mm (9 in.)
Height: 356mm (14in)
- Outer Jacket: 9.5 mm (3/8 in.) thick
low carbon steel
- Shield: 152.4 mm (6 in.) thick DOERUN
certified low background lead
- Graded Lining: 1 mm (0.04 in.) tin and
1.5 mm (0.06 in.) oxygen free copper
- Weight: ≈ 1818kgs (4000lbs)
- Overall Tolerances ±6mm (1/4 in)
- Finish: Light Gray Epoxy Paint
- All Lead fully encapsulated in metal**





Quality Radiation Shielding Products

Kolga Model A380-J Top Opening High Performance Low Background Lead Shield



De-

Part No.
100069-47 (4.7 in (119mm))
100069-57 (5.7 in (145mm))
100069-67 (6.7 in (170mm))



Detector Stand: