

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

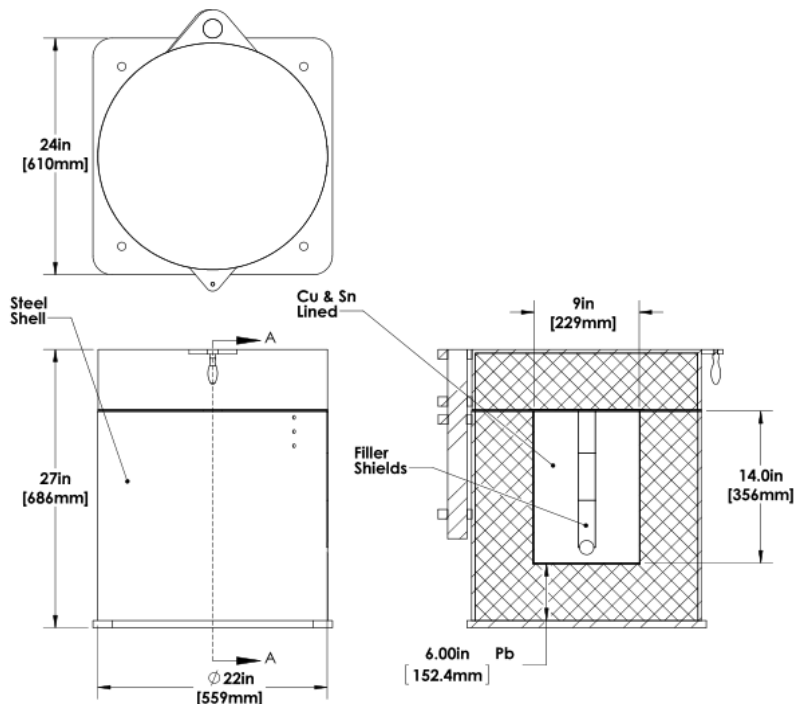
Description



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: \approx 1818kgs (4000lbs)
- Overall Tolerances \pm 6mm (1/4 in)
- Finish: Light Gray Epoxy Paint
- All Lead fully encapsulated in metal



Kolga, LLC

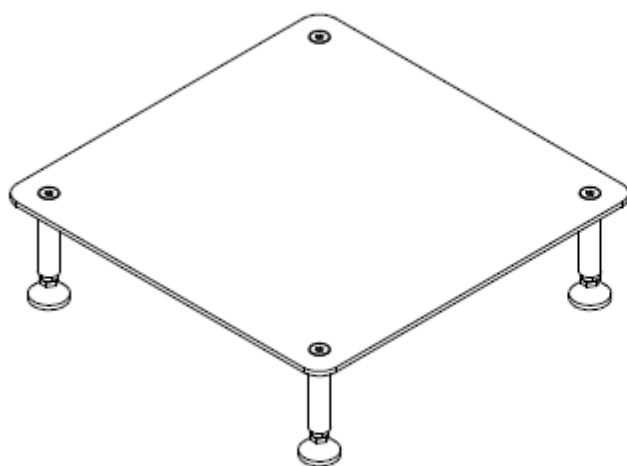
Quality Lead Shield Products
65 Lancaster Drive
Beacon Falls, CT 06403

Tel: 203-729-6800 ext.12
Sales@kolgasield.com
www.kolgasield.com
9-19-2013 V05

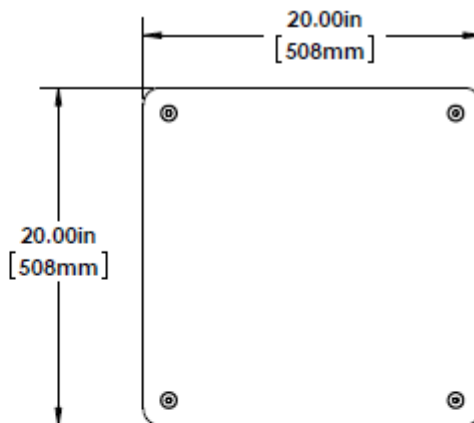


Quality Radiation Shielding Products

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



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



De-

Detector Stand:

Kolga, LLC

Quality Lead Shield Products

65 Lancaster Drive
Beacon Falls, CT 06403

Tel: 203-729-6800 ext.12

Sales@kolgasheild.com

www.kolgashield.com