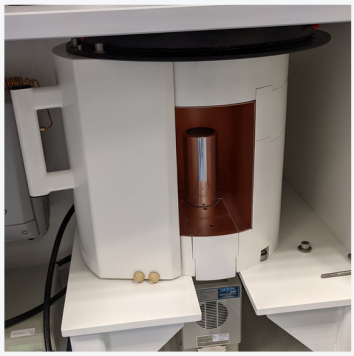
NUCLEAR SHIELDS

Germanium Detector Shields (Low-Background Lead Castles)

Low-background shielding for germanium detectors

Germanium Detector Shields (Low-Background Lead Castles) – low-background shielding for germanium detectors from Nuclear Shields.



Application	Shielding material	Door configurations
Germanium gamma spectroscopy [1]	**Lead with low-background lead in the inner layer** [1]	**Sliding, top or top/front door, de pending on model** [1]

Specifications

MECHANICAL

Shielding material	Lead with low-background lead in the inner layer	[1]
Internal dimensions, LC210-210-400-100SD	210 × 210 × 400 mm	[2]
Internal dimensions, LC280-400-100TF	Ø280 × 400 mm height	[3]

ORDERING & ACCESSORIES

Door configurations	Sliding, top or top/front door, depending on model	[1]
Square model	LC210-210-400-100SD	[2]
Top/front model	LC280-400-100TF	[3]

GENERAL

Application	Germanium gamma spectroscopy	[1]
Lead thickness, LC210-210-400-100SD	100 mm	[2]
Lead thickness, LC280-400-100TF	100 mm	[3]
Inner liner, LC280-400-100TF	2 mm copper and 1 mm tin	[3]

Sources

[1] **Germanium Detector Shields – Low background lead castles**
LEA / Orano · product-page · Category page text; Category page – Our products · checked 2026-10-16
https://www.nuclear-shields.com/product-category/radiation-shielding/lead-shielding/germanium-detector-shiel...

[2] **Square Lead Castle – Sliding Door (SKU LC210-210-400-100SD)**
LEA / Orano · product-page · Product summary · checked 2026-10-16
https://www.nuclear-shields.com/product/square-lead-castle-sliding-door/

[3] **Lead Castle – Top/Front door (SKU LC280-400-100TF)**
LEA / Orano · product-page · Product summary; Additional information · checked 2026-10-16
https://www.nuclear-shields.com/product/lead-castle-top-front-door/

Every value is taken from the manufacturer’s own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer’s published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.