

JJ X-Ray Double Converging Collimators:

Technical Specifications	Intermediate Resolution – High Angle (Los Alamos):
Collimation:	Horizontal: 20 degrees with 100 foils Vertical: 42 degrees
Dimension	Inner radius: 170, 273, 355 or 424.9 mm Depth: 250 mm or 500 mm
Transmission:	~90%
Foils:	Stretched PETP/Mylar Foil coated with layers of Gd-oxide.
Side plates	Anodized Aluminum.
Weight:	~15-25 kg each

Technical Specifications	High Resolution – Narrow Field:
Collimation:	Horizontal: 3.5 degrees with 21 foils Vertical: 4.9 degrees
Dimension	Inner radius: 150 mm Depth: 250 mm
Transmission:	~75%
Foils:	Stretched PETP/Mylar Foil coated with layers of Gd-oxide.
Side plates	Anodized Aluminum.
Weight:	~2 kg each

Many types of Neutron Double Converging Collimators have been produced by JJ X-Ray. These include intermediate collimation systems over larger angular ranges and finer collimation systems over smaller angular ranges.

Considerations of limiting system weight have been integrated in the larger designs.

Customized Options for JJ X-Ray Double Converging Collimators:

Technical Specifications Options:		Surcharge
High Radiation Environment	For medium to high radiation environments Kapton/Polyimide foils are used rather than Mylar/PETP foils.	Yes



Double Converging Collimator