

JJ X-Ray Neutron Radial:

Technical Specifications	Low Resolution – High Angle:
Collimation:	1 degree
Range:	164 degrees
Dimension:	Inner radius: 265 mm Outer radius: 400 mm Height: 215 mm
Transmission:	~95%
Foils:	Individually tensioned PETP/Mylar Foil coated with layers of specially developed highly absorbing Gd-oxide.
Side plates	Anodized Aluminum.
Weight:	~50 kg

Technical Specifications	High Resolution – Close to Sample:
Collimation:	0.28 degrees
Range:	30 degrees
Dimension:	Inner radius: 232 mm Outer radius: 410 mm Height: 230 mm
Transmission:	~90%
Foils:	Stretched PETP/Mylar Foil coated with layers of Gd-oxide.
Side plates	Anodized Aluminum.
Weight:	~25 kg

Technical Specifications	High Resolution – Far from Sample:
Collimation:	0.28 degrees
Range:	30 degrees
Dimension:	Inner radius: 411 mm Outer radius: 799 mm Height: 230 mm
Transmission:	~90%
Foils:	Stretched PETP/Mylar Foil coated with layers of Gd-oxide.
Side plates	Anodized Aluminum.
Weight:	~25 kg

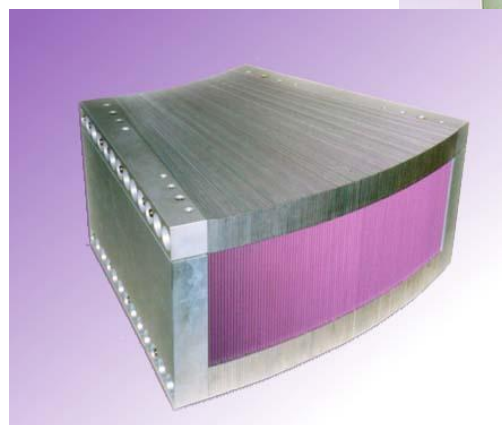
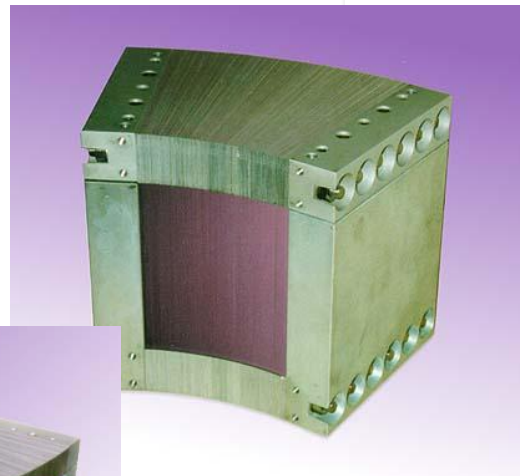
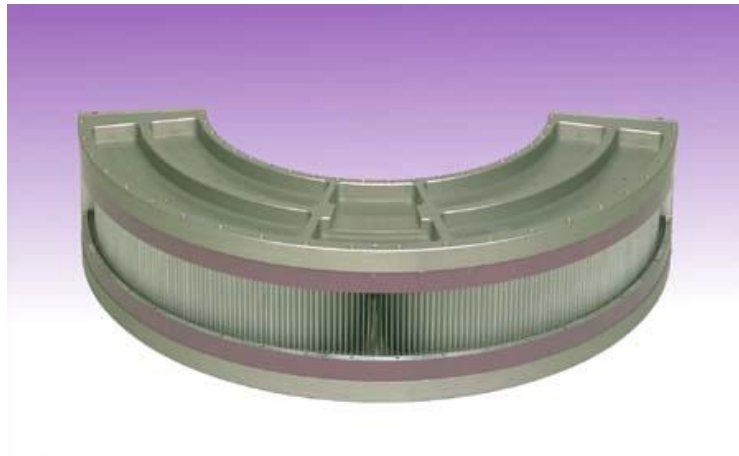
Many types of Neutron Radial Collimators have been produced by JJ X-Ray. These include rough collimation systems over high angular ranges and finer collimation systems over smaller angular ranges.

In addition, we have designs for stepped radial collimation systems in which a large number of soller collimators are positioned radially around a sample.

With such a range of configurations it is difficult to provide a concise overview. Nevertheless, we believe that this data sheet provides a good idea of the kind of radial collimators we make.

Customized Options for JJ X-Ray Neutron Radial:

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



Neutron Radial Collimators