



## Advanced Technical Products & Services

P.O. Box 424  
Douglassville, PA 19518  
610.689.4540 • Fax : 610-489-1641  
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### XRD 2000 Series Long Fine Focus X-Ray Diffraction Tubes Spec Sheet

#### Technical Data:

Thermal Focus	0.4 x 12.0 mm	Nominal voltage	60 kV, max.
Line focus (viewed at 6° takeoff angle)	0.04 x 12.0 mm	Filament voltage	8 V
Point focus (viewed at 6° takeoff angle)	0.4 x 1.2 mm	Filament current	3.6 A, max.

#### Tube Power:

for Mo, W	3000 W
for Cu, Ag	2200 W
for Cr	1900 W
for Co	1800 W
for Fe	1000 W

#### Cooling Requirements:

Min. Water Flow	3.5 l/min
Max. Water Temp.	35° C
Max. Water Pressure	0.8 MPa

**Inherent Filtration:** 300 µm Be Window

**Window Diameter:** 14.5 mm

#### Ordering Information:

Part Number	Description	Part Number	Description
XRD 60C 12 CUS	XRD 60C-12 Cu S Copper target, short anode	XRD 60C 12 CUL	XRD 60C-12 Cu L Copper target, long anode
XRD 60C 12 MOS	XRD 60C-12 Mo S Moly target, short anode	XRD 60C 12 MOL	XRD 60C-12 Mo L Moly target, Long anode
XRD 60C 12 CRS	XRD 60C-12 Cr S Chrome target, short anode	XRD 60C 12 CRL	XRD 60C-12 Cr L Chrome target, Long anode
XRD 60C 12 COS	XRD 60C-12 Co S Cobalt target, short anode	XRD 60C 12 COL	XRD 60C-12 Co L Cobalt target, Long anode
XRD 60C 12 FES	XRD 60C-12 Fe S Iron target, short anode	XRD 60C 12 FEL	XRD 60C-12 Fe L Iron target, Long anode

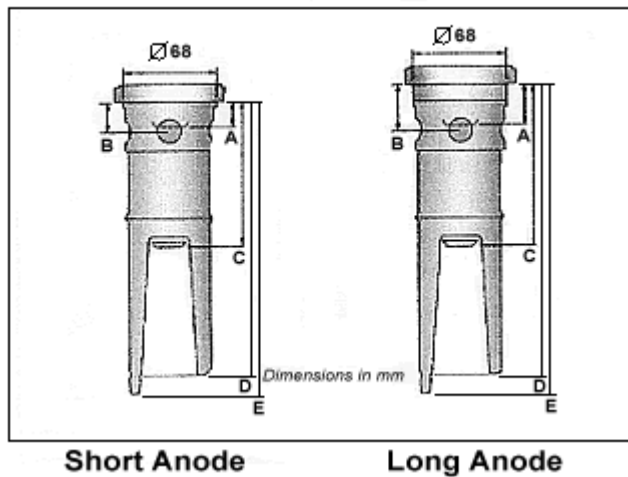


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#### Dimensions



Dimension	Short Anode	Long Anode
A	17.3 mm	30.1 mm
B	21 mm	34 mm
C	105 mm	118 mm
D	194 mm	207 mm
E	213 mm	226 mm

#### 100% Replacement Warranty

In the unlikely event that an XRD 1000 tube should fail due to material or workmanship within the first twelve months or 2500 hours of operation, whichever occurs first, the XRD tube will be replaced.