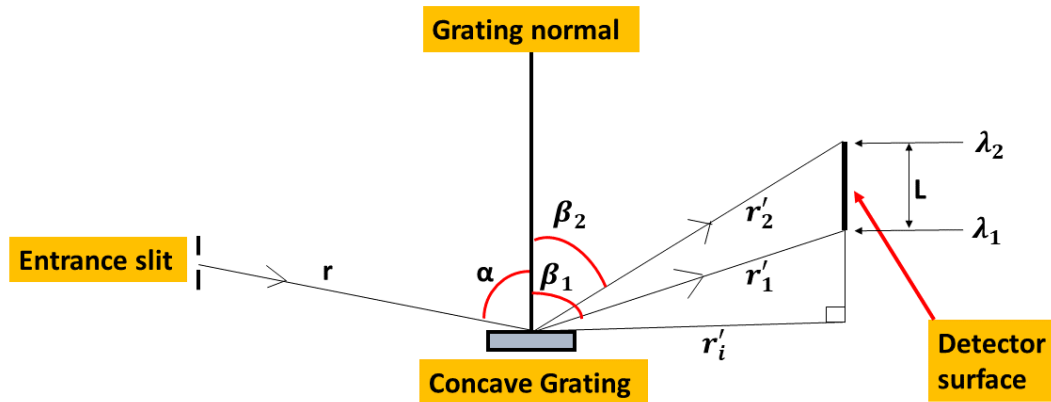


**Technical specification for XUV Grating**

S.NO	SPECIFICATION	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
1	<b>Grating type:</b> Unequally spaced curved-groove laminar-type replica grating		
2	<b>Grating dimension:</b> Width $50 \pm 5$ mm Height $30 \pm 3$ mm Centre thickness $10 \pm 1$ mm		
3	<b>Groove density:</b> 300 lines/mm (at grating center)		
4	<b>Blank material:</b> BK 7 or equivalent		
5	<b>Coating material:</b> Au (Gold)		
6	<b>Energy range:</b> 15 eV – 50 eV (Can be extended up to 65 eV)		
7	<b>r (Distance from entrance slit to grating) *:</b> $235 \pm 10$ mm		
8	<b><math>r'_i</math> *:</b> $230 \pm 10$ mm		
9	<b><math>r'_1</math> *:</b> $235 \pm 10$ mm		
10	<b><math>r'_2</math> *:</b> $235 \pm 10$ mm		
11	<b><math>\alpha</math> (Input angle) *:</b> $85^\circ \pm 5^\circ$		
12	<b><math>\beta_1</math> *:</b> $85^\circ \pm 5^\circ$		
13	<b><math>\beta_2</math> *:</b> $80^\circ \pm 5^\circ$		
14	<b>L (Detector length) *:</b> $25 \pm 5$ mm		

## Technical specification for XUV Grating

**\*These specification and values are with reference to the diagram attached below:**



(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified)