



CONCAVE GRATINGS FOR FLAT FIELD SPECTROGRAPHS

Groove Density (g/mm)	Wavelength Range (nm)	F/No.	RLD (nm/mm)	Spectrum Length (mm)	Blaze wavelength (nm)	Grating Dimensions (mm)	L α (mm)	α (deg)	Lmin (mm)	β min (deg)	Lmax (mm)	β max (deg)	Part No.
470	190-800	2.0	21.3	28.7	250	Ø 40 x 10	75.86	4.58	68.26	12.39	80.93	31.64	470-250-040
470	250-900	2.0	22.6	28.7	250	Ø 40 x 10	75.86	4.58	68.90	14.05	82.64	33.24	470-250-040
954	340-804	2.0	12.2	38	300	Ø 30 x 9	55.00	5.00	68.18	13.16	68.18	42.83	954-320-030
425	190-800	2.2	24.4	24.9	250	Ø 40 x 8	86.10	4.00	88.29	8.45	95.52	23.25	406-150-040
378	190-800	3.8	24.1	25	215	Ø 34 x 7	97.90						378-215-025
719	700-1100	3.5	16.0	25	225	Ø 60	100.00						719-225-030
164	1100-1900	2.6	32.0	25	265	Ø 45	99.00						164-265-050

RLD	Reciprocal Linear Dispersion		
α	Incident angle from grating normal	L α	Entrance Path Length
β_{\min}	Diffacted angle of minimum wavelength	Lmin	Distance from grating center to detector for shortest wavelength
β_{\max}	Diffacted angle of maximum wavelength	Lmax	Distance from grating center to detector for longest wavelength

For more information please contact our sales department at (800)774-0334 or sales@ssioptics.com