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Grating Information

Groove Density (g/mm)	Mechanical Scanning Range**	Dispersion (nm/mm)		CCD Spectral Resolution (nm)*	
		HRS-300	HRS-500	HRS-300	HRS-500
50	0 to 36 μm	64.12	39.5	2.4	1.2
66.6	0 to 27 μm	48.08	29.6	1.8	0.9
75	0 to 24 μm	42.67	26.3	1.6	0.8
100	0 to 18 μm	31.94	19.7	1.2	0.6
120	0 to 15 μm	26.57	16.4	1	0.5
150	0 to 12 μm	21.1	13	0.8	0.4
300	0 to 6 μm	10.4	6.5	0.4	0.2
600	0 to 3 μm	5.1	3.2	0.2	0.1
900	0 to 2 μm	3.25	2.1	0.133	0.067
1200	0 to 1500 nm	2.38	1.5	0.1	0.05
1800	0 to 1000 nm	1.4	0.9	0.068	0.033
2400	0 to 750 nm	0.8	0.6	0.05	0.025
3600	0 to 500 nm	0.7	0.5	0.034	0.0166

** Mechanical scanning range is the full range of rotation for each grating, typically ~60 degrees. Efficiency and optimum operating range