

Slit Bandwidth Table for M300/ITMc300/DMc150

Grating Groove Density (l/mm)		2400	1800	1200	900	830	600	300	150
Reciprocal Dispersion (nm/mm)		1.35	1.80	2.70	3.60	3.90	5.40	10.8	21.6
Slit widths (mm)	Part no. for pair of slits	Bandwidth produced (nm)							
0.05	FS (0.05)	0.07	0.09	0.14	0.18	0.20	0.27	0.54	1.08
0.10	FS (0.10)	0.14	0.18	0.27	0.36	0.39	0.54	1.08	2.16
0.20	FS (0.20)	0.27	0.36	0.54	0.72	0.78	1.08	2.16	4.32
0.37	FS (0.37)	0.50	0.67	1.00	1.33	1.44	2.00	4.00	8.00
0.40	FS (0.40)	0.54	0.72	1.08	1.44	1.56	2.16	4.32	8.64
0.50	FS (0.50)	0.68	0.90	1.35	1.80	1.95	2.70	5.40	10.80
0.56	FS (0.56)	0.76	1.00	1.51	2.00	2.18	3.00	6.05	12.10
0.74	FS (0.74)	1.00	1.33	2.00	2.66	2.89	4.00	8.00	16.00
1.00	FS (1.00)	1.35	1.80	2.70	3.60	3.90	5.40	10.80	21.60
1.12	FS (1.12)	1.50	2.00	3.00	4.00	4.40	6.00	12.10	24.20
1.48	FS (1.48)	2.00	2.67	4.00	5.33	5.78	8.00	16.00	32.00
1.85	FS (1.85)	2.50	3.33	5.00	6.66	7.22	10.00	20.00	40.00
2.00	FS (2.00)	2.70	3.60	5.40	7.20	7.80	10.80	21.60	43.20
2.78	FS (2.78)	3.80	5.00	7.50	10.00	10.84	15.00	30.00	60.00
3.70	FS (3.70)	5.00	6.67	10.00	13.32	14.40	20.00	40.00	80.00
4.00	FS (4.00)	5.40	7.20	10.80	14.40	15.60	21.60	43.20	86.40
5.56	FS (5.56)	7.50	10.00	15.00	20.00	21.68	30.00	60.00	120.10
8.00	FS (8.00)	10.80	14.40	21.60	28.80	31.20	43.20	86.40	172.80

Grating Groove Density (l/mm)	2400	1800	1200	900	830	600
Reciprocal Dispersion (nm/mm)	1.35	1.8	2.70	3.60	3.90	5.40
Bandwidth (nm)	Slit width required (mm)					
0.50	0.37	0.28	0.19			
1.00	0.74	0.56	0.37			
2.00	1.48	1.11	0.74	0.56	0.51	
5.00	3.70	2.78	1.85	1.39	1.28	
10.00	7.40	5.56	3.70	2.78	2.56	1.85
20.00				5.56	5.12	3.70