

## Rowland circle gratings

Groove Density [l/mm]	Radius of Curvature [mm]	Grating Area [mm <sup>2</sup> ]	Nominal Blaze Wavelength [nm]	Cat. No.
3600	1000.1	∅ 63.5 x 12.0	220/240	792051-0000-000
3600	1000.1	∅ 63.5 x 12.0	225/170	792050-0000-000
2160	1000.1	∅ 63.5 x 12.0	200/180	792052-0000-000
1440	1000.1	∅ 63.5 x 12.0	600	792054-0000-000
3600	749.9	∅ 63.5 x 11.8	200/180	792034-0000-000
3600	749.9	∅ 63.5 x 11.8	250	792035-0000-000
3600	749.9	∅ 63.5 x 11.8	350/355	792036-0000-000
2400	749.9	∅ 63.5 x 11.8	180	792032-0000-000
2400	749.9	∅ 63.5 x 11.8	250	792033-0000-000
1800	749.9	∅ 63.5 x 11.8	400	792031-0000-000
1500	749.9	∅ 63.5 x 11.8	300	792029-0000-000
1200	749.9	∅ 63.5 x 11.8	800	792030-0000-000
3600	501.2	∅ 63.5 x 11.8	225	792040-0000-000
2700	501.2	∅ 40.0 x 12.2	220	792039-9901-000
1800	501.2	∅ 63.5 x 11.8	600	792045-0000-000
1400	501.2	∅ 40.0 x 12.2	650	792057-0000-000
3600	398.8	∅ 80.0 x 15.0	200/180	792048-0000-000
2400	398.8	∅ 50.0 x 9.3	200/180	792044-0000-000
2400	398.8	∅ 35.0 x 12.1	200/180	000000-1990-229
1800	398.8	∅ 50.0 x 9.3	525/505	792055-0000-000
3600	298.5	∅ 40.0 x 8.0	220	792104-0000-000
1200	202.4	64.0 x 64.0 x 8.0	225	792006-0000-000
3600	150.7	∅ 32.0 x 7.05	220/250	792061-0000-000

## Mono- and polychromator gratings

Groove Density [1/mm]	Grating Profile	Nominal Blaze Wavelength [nm]	Corrected Wavelength Range [nm]	Dimensions [mm <sup>2</sup> ]	Grating Area [mm <sup>2</sup> ]	Radius of Curvature [mm]	Monochromator (M) / Polychromator (P)	Cat. No.
1900	blaze	400	250–650	ø 64 x 12	ø 56	207.1	M	264510-2258-824
1864	sine	830	790–880	ø 64 x 10	ø 48	168.7	P	264510-2260-624
1600	blaze	230	200–400	ø 25 x 10	ø 17	149.7	P	264510-2951-924
1500	sine	450	330–850	ø 64 x 12	ø 56	206.4	M	264510-2257-824
1400	blaze	230	200–750	ø 50 x 10	ø 46	149.7	M	000000-1390-410
1400	blaze	230	220–530	ø 25 x 10	ø 18	149.7	P	000000-1312-649
1400	blaze	230	190–315	ø 50 x 10	ø 46	136.4	M/P	000000-1305-962
1300	blaze	230/250	200–890	ø 52 x 10	ø 25	175.3	M	792102-0001-010
1300	sine	850	340–800	ø 30 x 8	ø 24	109.8	M/P	000000-1224-543
1221	blaze	230/225	185–900	ø 34 x 7	ø 27	116.3	M	792012-0000-000
1221	blaze	230/250	200-250	ø 50 x 8	ø 37	163.1	M/P	7920050000-000
1200	blaze	230	180–800	ø 30 x 8	ø 24	109.8	M/P	264510-2951-224
1100	blaze	230/250	190–410	ø 50 x 10	ø 20	193.6	P	264510-2953-124
1053	blaze	230/250	200–1100	ø 56 x 10	36 x 30	260.4	M	000000-1321-172
1000	blaze	230	200–900	ø 52 x 10	ø 36	94.4	M	792101-0001-010
1000	blaze	230	190–1100	ø 50 x 10	ø 40	193.6	M	264510-2951-724
1000	blaze	230	190–850	ø 64 x 8	ø 50	192.7	M/P	264510-2950-824
1000	blaze	230	190–400	ø 50 x 10	ø 39	193,6	P	264510-2952-424
950	blaze	230/250	200–415	ø 32 x 7	ø 26/25	150.7	M/P	792060-0000-000
845	blaze	230/200	170–410	ø 41 x 10	ø 35	138.1	P	264510-2952-924
651	blaze	230	200–800	ø 64 x 10	ø 56	214.8	M/P	264510-2951-124
600	blaze	230	180–800	ø 30 x 8	ø 24	109.8	M/P	264510-2951-324
527	blaze	300	200–1100	ø 56 x 10	30 x 34	141.3	M	792024-0000-000

Groove Density [l/mm]	Grating Profile	Nominal Blaze Wavelength [nm]	Corrected Wavelength Range [nm]	Dimensions [mm <sup>2</sup> ]	Grating Area [mm <sup>2</sup> ]	Radius of Curvature [mm]	Monochromator (M) / Polychromator (P)	Cat. No.
871	blaze	400	330–800	ø 40x6	ø 36	61.77	P	000000-1783-219
1853	blaze	230	200–250	ø 35x8	ø 25	64.01	P	000000-2101-550
355	sine	1800	1400–2400	ø 64x8.1	ø 50	119.1	P	264510-2260-924
324	sine	380/290	190–510	ø 67x10	ø 57	160.8	P	792017-0000-000
320	blaze	230	200–900	ø 64x12	ø 50	109.8	P	264510-2952-624
320	blaze	230	200–800	ø 30x8	ø 24	109.8	P	264510-2952-724
258	blaze	230/250	190–600	ø 34x7	ø 27	116.3	P	792011-0000-000
250	blaze	230/250	375–750	ø 34x7	ø 28	116.3	P	792004-0000-000
200	blaze	230	200–415	ø 64x10	ø 50	180.3	P	264510-2950-324
163	sine	560	470–1100	ø 67x10	ø 57	160.8	P	792015-0000-000
157	blaze	230	200–900	ø 50x10	ø 35	163.1	P	000000-1077-583
148.8	blaze	230	200–1100	ø 64x10	ø 30	181.5	P	000000-1996-915
110	sine	3400	3000–5700	ø 64x10	ø 40	109.8	P	264510-2959-624
100	blaze	230	190–820	ø 64x10	ø 50	181.5	P	264510-2952-224

#### Key

“Grating Profile”	blaze – sawtooth profile sine – sinusoidal profile
“Blaze Wavelength”	The efficiency maximum of holographically recorded gratings
“Corrected Range”	Depending on configuration
“Dimensions”	The given thickness relates to center thickness. Preferred materials are N-BK7 and N-ZK7 (fused silica, zerodur or other materials upon request)