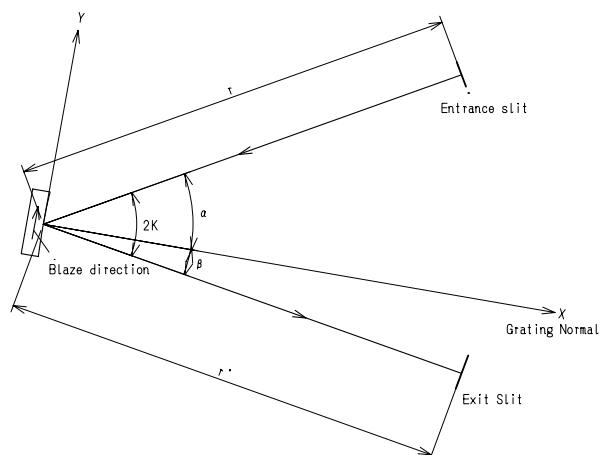


# Hitachi Aberration-Corrected Concave Gratings for Monochromator



## Diffraction gratings for compact, high efficiency monochromator

Part No.	Grooves per mm	Radius of curvature (mm)	Blaze WL (nm)	Blank size H×W×T (mm)	Blaze angle (degree)	Deviation angle(2K) (degree)	r (mm)	r' (mm)	WL Range (nm)
001-0427	1200	3000	40	40×40×10	1.4	10	3000	3000	80~190
001-0428	1200	3000	40	40×50×10	1.4	10	3000	3000	80~190
001-0429	1200	3000	40	50×40×10	1.4	10	3000	3000	80~190
001-0430	1200	3000	40	68.6×68.6×10	1.4	10	3000	3000	80~190
001-0431	1200	3000	40	60×100×15	1.4	10	3000	3000	80~190
001-0432	1200	3000	150	40×40×10	5.2	10	3000	3000	30~90
001-0433	1200	3000	150	40×50×10	5.2	10	3000	3000	30~90
001-0434	1200	3000	150	50×40×10	5.2	10	3000	3000	30~90
001-0435	1200	3000	150	68.6×68.6×10	5.2	10	3000	3000	30~90
001-0436	1200	3000	150	60×100×15	5.2	10	3000	3000	30~90
001-0256	600	100	197	20×20×5	3.4	12	100	100	195~350
001-0257	600	100	209	25×20×5	3.6	5	100	100	180~360
001-0260	600	149.5	232	30×30×10	4	6	150.645	150.645	200~800
001-0259	600	125	247	40×40×10	4.3	17	124.368	124.368	200~1000
001-0267	600	150	302	50×40×10	5.2	4	151	151	200~1000
001-0452	900	150	301	50×40×10	7.8	7	151	151	220~800
001-0268	600	150	302	50×40×10	5.2	4	151	151	200~1000
001-0255	600	80	397	28×28×5	6.9	15	80	80	220~730
001-0453	900	150	400	50×40×10	10.4	7	151	151	220~800
001-0274	600	150	453	50×40×10	7.8	4	151	151	200~1000

## Reference

M.Itou, T.Harada, T.Kita, K.Hasumi, I.Koyano and K.Tanaka, "Normal incidence monochromator with an aberration-corrected concave grating for synchrotron radiation", Appl.Opt.25, 2240 (1986)