

Precision Wedge Prisms

- Laser quality beam steering wedges
- Beam deviation from 1 to 10 degrees
- Can be used in pairs for continuous angular adjustment

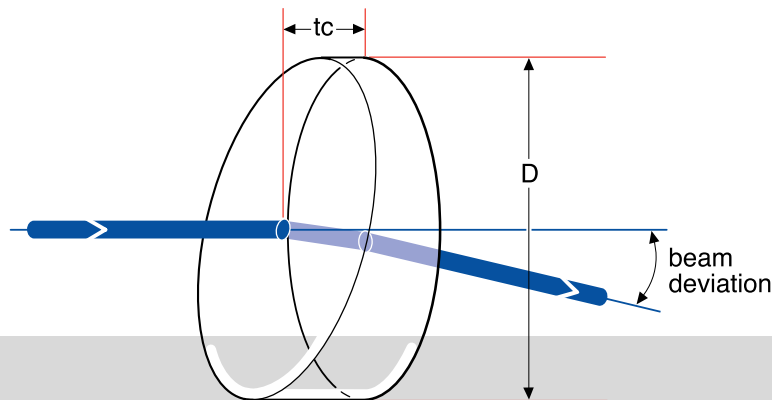
These wedge prisms are intended for steering laser beams. A beam normally incident on the perpendicular surface of the wedge will be deviated according to the angle in the table below. By selecting the appropriate wedge it is simple to create a precise beam deviation without affecting other beam parameters. If two wedges are used together with the sloping surfaces in close proximity it is possible to produce a continuous variation of beam deviation by counter-rotating the wedges. The angular adjustment obtainable in this way ranges from zero to 2 times the angle in the table. The prisms are manufactured from grade A optical glass. These wedge prisms are offered uncoated or with optional Anti-Reflection coatings as described on pages 18 and 19.



Specifications & Tolerances

Dimensions: $\pm 0.2\text{mm}$
 Surface flatness: $\lambda/10@633\text{nm}$
 Surface quality: 20-10
 Coating: Optional (see pages 18 and 19)

Angular deviation: $\pm 1\text{arcmin}$
 Bevel: 0.2mm typical
 Material: BK7, grade A



WEDGE PRISM

Precision Wedge Prisms

Beam Deviation (deg)	Wedge Angle (deg)	Diameter, D (mm)	Center Thickness, tc (mm)	Price	PART NUMBER
1	1.93	25.0	3.4		055-0660
2	3.86	25.0	3.8		055-0665
4	7.67	25.0	4.7		055-0670
6	11.37	25.0	5.5		055-0675
8	14.95	25.0	6.3		055-0680
10	18.13	25.0	7.1		055-0685

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TECHNICAL SUPPORT
(949) 851-5881
FAX (949) 851-5058
E-MAIL
sales@optosigma.com
WEB
www.optosigma.com