

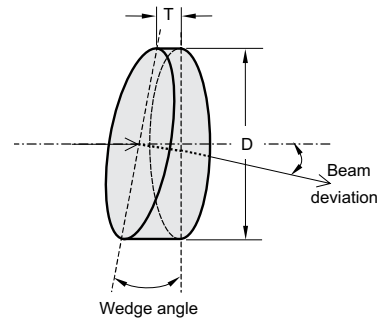
Prisms

WEDGE PRISMS

- Steer beams in optical systems
- Can be used in pairs for continuous angular adjustment

Having selected an appropriate wedge, it is easy 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.

Wedge prisms are made from alternative materials, such as UV grade fused silica, and different shapes and sizes or with various anti-reflection coatings.



SPECIFICATIONS

Material	BK7, UV FS
Clear aperture	90% of the diameter
Diameter tolerance	+0.00 -0.12 mm
Wedge tolerance	±3 arcmin

Contact us for other types of prisms
e.g. trapezoidal, various isosceles, Dove, Amici, Penta, etc.

Standard Wedge Prisms

Surface quality: 40-20 scratch & dig (MIL-PRF-13830B). Surface flatness: $\lambda/4$ @633nm

Catalogue number BK7	Diameter D, mm		Thickness T, mm	Wedge, deg	Beam Deviation, deg		Price, EUR
	Metric	English			@ 1064	@ 532	
310-0200	25.0	25.4	3	0.5	0.25	0.26	46
310-0201	25.0	25.4	3	1	0.51	0.52	47
310-0202	25.0	25.4	3	2	1.01	1.04	47
310-0203	25.0	25.4	3	3	1.52	1.56	48
310-0205	25.0	25.4	3	5	2.54	2.60	49

Please add letter M to the catalogue number for metric dimensions and letter E for english.

Catalogue number UV FS	Diameter D, mm		Thickness T, mm	Wedge, deg	Beam Deviation, deg			Price, EUR
	Metric	English			@ 1064	@ 532	@ 355	
310-1200	25.0	25.4	3	0.5	0.22	0.23	0.24	69
310-1201	25.0	25.4	3	1	0.45	0.46	0.48	70
310-1202	25.0	25.4	3	2	0.90	0.92	0.95	70
310-1203	25.0	25.4	3	3	1.35	1.38	1.43	71
310-1205	25.0	25.4	3	5	2.26	2.31	2.39	72

Please add letter M to the catalogue number for metric dimensions and letter E for english.



Most of the Prisms
are available for fast
off-the-shelf delivery.
Check the availability at
www.eksmaoptics.com

