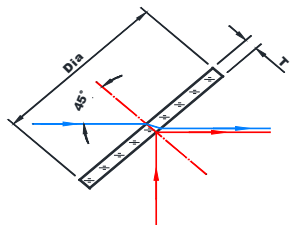


ZnSe Beam Combiner

ZnSe Beam Combiner used for CO₂ system alignment. Designed for used at 45 degree, they transmit the long wavelength beam and align it with the 90 degree reflected diode beam.



Specifications	
Diameter Tolerance	+0/-0.13mm
Thickness	±0.25mm
Surface Flatness	λ/4@632.8nm
Surface Quality	40/20 scratch and dig
AOI	45°

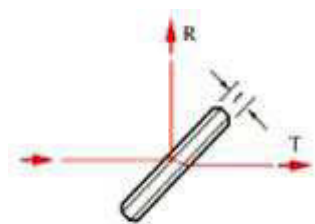
BCZ Series - Beam Combiner

Part No.	Dia (mm)	Thk (mm)	Material	Wavelength
BCZ-0.75-3	12.7	3.0	ZnSe	10.6μmT/650nmR
BCZ-0.75-3	19.1	3.0	ZnSe	10.6μmT/650nmR
BCZ-20-2	20.0	2.0	ZnSe	10.6μmT/650nmR
BCZ-2-5	50.8	2.0	ZnSe	10.6μmT/650nmR
BCZ-1.5-3	38.1	3.0	ZnSe	1064nmT/650nmR

NOTE: Beam Combiner of different sizes and materials are available upon request.

ZnSe Beam Splitter 10.6/9.4μm

The common Beam Splitter is used to split or combine laser beam. However Polarization Beam Splitters are used to split or combine two perpendicular polarization laser beam. The performance of Beam splitters is mainly dependent on the coating specifications.



Specifications	
Diameter Tolerance	+0/-0.13mm
Thickness	±0.25mm
Surface Flatness	λ/4@632.8nm
Surface Quality	40/20 scratch and dig
AOI	45°

BSZ Series - Beam Splitter

Part No.	Dia (mm)	Thk (mm)	Material	Side 1 Reflectivity (%R)	Polarization	Wavelength
BSZ1.0-3-27%R-PIS	25.4	3.0	ZnSe	27%	Insensitive	10.6μm
BSZ1.0-3-50%R-P	25.4	3.0	ZnSe	50%	P-Pol	10.6μm
BSZ1.0-3-50%R-PIS	25.4	3.0	ZnSe	50%	Insensitive	10.6μm
BSZ1.0-3-50%R-S	25.4	3.0	ZnSe	50%	S-Pol	10.6μm
BSZ1.1-3-50%R-S	27.9	3.0	ZnSe	50%	S-Pol	10.6μm