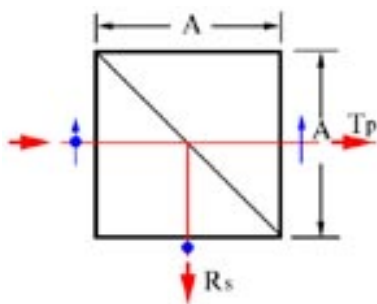




Polarization Beamsplitter Cubes

Beamsplitters are used to split or combine beam of light. The most common types provided by Z-Optics Technologies Inc. are plates and cubes. Plates are used for most laser applications as they exhibit low absorption. Cubes are a convenient, protected form for low power applications. Pellicles are very thin membranes which do not produce interference from secondary reflections. The performance of beamsplitters are mainly depended on the coating specifications.

Specifications:



Material:	BK7 Grade A Optical Glass
Diameter Tolerance:	+/-0.2mm
Surface Quality:	60-40 scratch and dig
Extinction Ratio:	> 100:1
Beam Deviation:	3 arc minute
Principal Transmittance:	$T_p > 95\%$ and $T_s < 1\%$
Principal Reflectance:	$R_s > 99\%$ and $R_p < 5\%$
Coatings:	On all input and output faces
Chamfer:	Protective Bevel

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