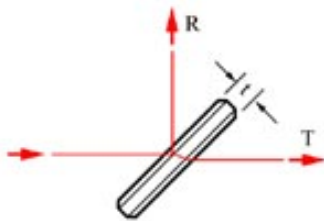




# Beamsplitter Plate

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
Thickness Tolerance:	+/-0.2mm
Surface Quality:	60-40 scratch and dig
Flatness:	$\lambda/4$ @632.8nm
Parallelism:	1 arc minute
T/R:	50/50±5% for natrual light, $T=(Ts+Tp)/2$ , $R=(Rs+Rp)/2$
Beam Deviation:	3 arc minutes
Chamfer:	Protective Bevel

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