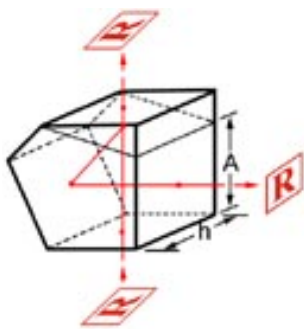




Penta Beamsplitter Cubes

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:	+/-0.25mm
90°, 180° Deviation Tolerance:	Standard series: < 30 arc seconds Precision series: up to 15 arc seconds
Surface Quality:	60-40 scratch and dig
Flatness:	Standard series: $\lambda/2$ at 632.8 nm Precision series: up to $\lambda/4$ at 632.8 nm
T/R:	50/50±5% for natural light, $T=(T_s+T_p)/2$, $R=(R_s+R_p)/2$
Beam Deviation:	<3 arc minutes
Coatings:	on all input and output face
Chamfer:	Protective Bevel

Z-OPTICS LIMITED

Tel: +86-577-8181-0885 Fax: +86-577-6286-6900

sales@z-optics.com

www.z-optics.com