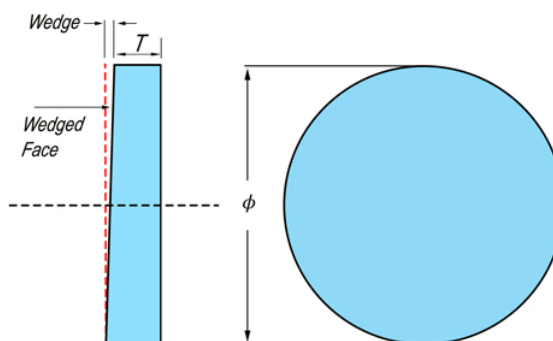


Fused Silica Wedge Beamsplitter

Specifications

- **Material:** UV Fused Silica
- **Surface Figure :** $\lambda/10@633\text{nm}$
- **Wedge Angle:** $30' \pm 10'$
- **Surface Quality:** 40-20 Scratch and Dig
- **Diameter Tolerance** $+0/-0.25\text{mm}$
- **Thickness Tolerance:** $\pm 0.25\text{mm}$
- **Incident Angle:** 45°
- **Chamfer:** Protective Chamfer $0.2 \sim 0.5\text{mm} \times 45^\circ$
- **Coating**
 - **S1:** Average Split ratio (R/T) $\pm 10\%$
 - **S2:** $R_{\text{avg}} < 1\%$



Size (mm)	T (mm)	Split Ratio (R/T)	250-400nm Part No	400-700nm Part No	700-1100nm Part No
φ12.5	3.0	30R/70T	BSP3-0-125-30UV-FS	BSP3-0-125-30VIS-FS	BSP3-0-125-30NIR-FS
φ12.5	3.0	50R/50T	BSP3-0-125-50UV-FS	BSP3-0-125-50VIS-FS	BSP3-0-125-50NIR-FS
φ12.5	3.0	70R/30T	BSP3-0-125-70UV-FS	BSP3-0-125-70VIS-FS	BSP3-0-125-70NIR-FS
12.5x12.5	3.0	30R/70T	BSP3-125-125-30UV-FS	BSP3-125-125-30VIS-FS	BSP3-125-125-30NIR-FS
12.5x12.5	3.0	50R/50T	BSP3-125-125-50UV-FS	BSP3-125-125-50VIS-FS	BSP3-125-125-50NIR-FS
12.5x12.5	3.0	70R/30T	BSP3-125-125-70UV-FS	BSP3-125-125-70VIS-FS	BSP3-125-125-70NIR-FS
φ25.5	5.0	30R/70T	BSP3-0-250-30UV-FS	BSP3-0-250-30VIS-FS	BSP3-0-250-30NIR-FS
φ25.5	5.0	50R/50T	BSP3-0-250-50UV-FS	BSP3-0-250-50VIS-FS	BSP3-0-250-50NIR-FS
φ25.5	5.0	70R/30T	BSP3-0-250-70UV-FS	BSP3-0-250-70VIS-FS	BSP3-0-250-70NIR-FS
25.0x25.0	5.0	30R/70T	BSP3-250-250-30UV-FS	BSP3-250-250-30VIS-FS	BSP3-250-250-30NIR-FS
25.0x25.0	5.0	50R/50T	BSP3-250-250-50UV-FS	BSP3-250-250-50VIS-FS	BSP3-250-250-50NIR-FS
25.0x25.0	5.0	70R/30T	BSP3-250-250-70UV-FS	BSP3-250-250-70VIS-FS	BSP3-250-250-70NIR-FS
φ50.0	8.0	30R/70T	BSP3-0-500-30UV-FS	BSP3-0-500-30VIS-FS	BSP3-0-500-30NIR-FS
φ50.0	8.0	50R/50T	BSP3-0-500-50UV-FS	BSP3-0-500-50VIS-FS	BSP3-0-500-50NIR-FS
φ50.0	8.0	70R/30T	BSP3-0-500-70UV-FS	BSP3-0-500-70VIS-FS	BSP3-0-500-70NIR-FS
50.0x50.0	8.0	30R/70T	BSP3-500-500-30UV-FS	BSP3-500-500-30VIS-FS	BSP3-500-500-30NIR-FS
50.0x50.0	8.0	50R/50T	BSP3-500-500-50UV-FS	BSP3-500-500-50VIS-FS	BSP3-500-500-50NIR-FS
50.0x50.0	8.0	70R/30T	BSP3-500-500-70UV-FS	BSP3-500-500-70VIS-FS	BSP3-500-500-70NIR-FS

Remarks

1. The high-precision substrate ensures the accuracy of the wavefront of reflected and transmitted light. AR coating and wedge angle reduce the ghost beam reflected on back surface.
2. The products listed in the catalogue is to split light by energy, not polarization.

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