



EQUILATERAL PRISMS

Prisms come in so many shapes and configurations that we have chosen to list only the most popular ones here. Prisms are used for beam shaping, beam dispersion, image rotation, distance measurement, etc. ISP will custom manufacture prisms according to your specifications.

Calcium Fluoride (CaF₂)

Dimensions tolerance $\pm 0.010''$ (± 0.25 mm)
Clear Aperture 85%
Angles tolerance ± 10 min
Flatness 2 waves at 633 nm
Surface Finish 40/20, polished three faces

| CAT# | SIZE A=B=C, in | SIZE A=B=C, mm | Height H,mm |
|----------|----------------|----------------|-------------|
| CF-EP-12 | 0.5 | 12.7 | 12.7 |
| CF-EP-25 | 1.0 | 25.4 | 25.4 |
| CF-EP-38 | 1.5 | 38.1 | 38.1 |

Germanium (Ge)

Dimensions tolerance $\pm 0.010''$ (± 0.25 mm)
Clear Aperture 85%
Angles tolerance ± 10 min
Flatness 2 waves at 633 nm
Surface Finish 60/40, polished three faces

| CAT# | SIZE A=B=C, in | SIZE A=B=C, mm | Height H,mm |
|----------|----------------|----------------|-------------|
| GE-EP-12 | 0.5 | 12.7 | 12.7 |
| GE-EP-25 | 1.0 | 25.4 | 25.4 |
| GE-EP-38 | 1.5 | 38.1 | 38.1 |

Fused Silica UV Grade (SiO₂)

Dimensions tolerance $\pm 0.010''$ (± 0.25 mm)
Clear Aperture 85%
Angles tolerance ± 10 min
Flatness 2 waves at 633 nm
Surface Finish 40/20, polished three faces

| CAT# | SIZE A=B=C, in | SIZE A=B=C, mm | Height H,mm |
|----------|----------------|----------------|-------------|
| QU-EP-12 | 0.5 | 12.7 | 12.7 |
| QU-EP-25 | 1.0 | 25.4 | 25.4 |
| QU-EP-38 | 1.5 | 38.1 | 38.1 |

Custom sizes and specifications are available