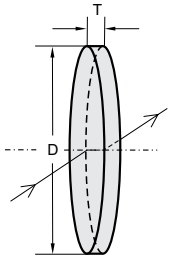
# PRECISION THIN ROUND WINDOWS




## SPECIFICATIONS

| | |
|---|---|
| Material | UV FS |
| Surface quality | 20-10 scratch & dig (MIL-PRF-13830B) |
| Clear aperture | >90% of the diameter |
| Diameter tolerance | +0.00 / -0.12 mm |
| Thickness tolerance | ±0.2 mm |
| Surface flatness | λ/4 or λ/10 @ 633 nm |
| Parallelism | <1 arcmin or <30 arcsec |

| Catalogue number UV FS | Diameter D, mm | | Thickness T, mm | Flatness | Parallelism | Price, EUR |
|---|---|---|---|---|---|---|
| | Metric | English | | | | |
| 226-1111 | 12.5 | 12.7 | 1.0 | λ/10 | 30 arcsec | 66 |
| 226-1121 | 12.5 | 12.7 | 2.0 | λ/10 | 30 arcsec | 59 |
| 226-1191 | 20.0 | 20.0 | 1.0 | λ/10 | 30 arcsec | 92 |
| 226-1201 | 20.0 | 20.0 | 2.0 | λ/10 | 30 arcsec | 82 |
| 226-1211 | 25.0 | 25.4 | 1.0 | λ/10 | 30 arcsec | 108 |
| 226-1221 | 25.0 | 25.4 | 2.0 | λ/10 | 30 arcsec | 97 |
| 226-1531 | 50.0 | 50.8 | 3.0 | λ/10 | 30 arcsec | 215 |
| 226-1116 | 12.5 | 12.7 | 1.0 | λ/4 | 1 arcmin | 42 |
| 226-1126 | 12.5 | 12.7 | 2.0 | λ/4 | 1 arcmin | 38 |
| 226-1216 | 25.0 | 25.4 | 1.0 | λ/4 | 1 arcmin | 61 |
| 226-1226 | 25.0 | 25.4 | 2.0 | λ/4 | 1 arcmin | 55 |
| 226-1516 | 50.0 | 50.8 | 1.0 | λ/4 | 1 arcmin | 179 |
| 226-1526 | 50.0 | 50.8 | 2.0 | λ/4 | 1 arcmin | 161 |
| 226-1536 | 50.0 | 50.8 | 3.0 | λ/4 | 1 arcmin | 145 |

*Please add letter M to the catalogue number for metric dimensions and letter E for English.*

## HOUSING ACCESSORIES

Optical Component Mount 830-0037
*See page 8.50*

Plate Clamp 830-0055
*See page 8.52*

Universal Plate Holder 830-0075
*See page 8.53*

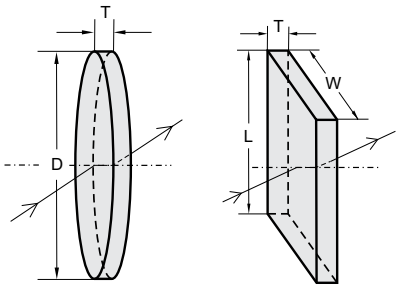
# PRECISION WINDOWS

- **Manufactured from the high quality UV FS and BK7**
- **Precision polished on both surfaces and held parallel up to 3 arcsec**

These windows are designed to be used in precision optical systems. The optical transmission is high with little distortion of the transmitted signal. λ/10 transmitted wavefront distortion is usually preferred but λ/4 is offered as an option when this is not an issue.

*Windows can be anti-reflection coated. For required coating, please refer to the Coatings section.*
*Diameters of up to 250 mm are available on request.*

***Please refer to the UV and IR Optics section for windows made from other materials: LiF, ZnSe, Ge, Sapphire, etc.***




## SPECIFICATIONS

| | |
|---|---|
| Material | BK7, UV FS |
| Surface quality | 20-10 scratch & dig (MIL-PRF-13830B) |
| Clear aperture | >90% of the diameter |
| Diameter tolerance | +0.00 / -0.12 mm |
| Thickness tolerance | ±0.2 mm |
| Surface flatness | λ/4 or λ/10 @ 633 nm |
| Parallelism | <1 arcmin, <30 arcsec or <3 arcsec |