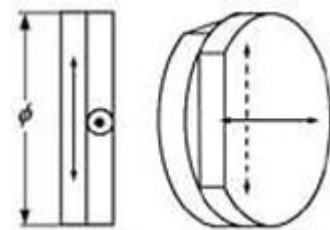


True Zero-order Waveplates

True Zero-order Waveplates are excellent in temperature, wavelength and incident angle (about 20°) bandwidth because of very thin thickness (less than 0.1mm). Therefore, they are an excellent choice for the highly accurate application. The waveplates are very fragile because of the thin thickness. In most applications, the waveplate can be cemented to an optically inert base material such as BK7. We can offer this type. In order to enable the waveplate suitable for high damage threshold (more than 1 GW/cm²). We can also supply a single plate of true zero-order waveplate. The thickness of this waveplate means handling will be difficult, we can provide mounts upon request.

Specifications:

- Materials: **Crystal Quartz**
- Retardation Tolerance : $< \lambda/500$
- Wavelength Range: 240 ~ 2100nm
- Diameter Tolerance: $+0/-0.20$ mm
- Wavefront distortion: $\lambda/8$ over central 85% of aperture at 632.8 nm
- Parallelism: 1 arc second
- Surface Quality: 20/10 scratch and dig
- AR/AR Coating: R<0.2% per surface



Cemented True Zero-order Waveplates

Φ (mm)	Uncoated	AR/AR Coated
	Part No.	Part No.
10.0	WPF1110	WPF1210
12.7	WPF1112	WPF1212
15.0	WPF1115	WPF1215
20.0	WPF1120	WPF1220
25.4	WPF1125	WPF1225

Single Plate True Zero-order Waveplates

Φ (mm)	Uncoated	AR/AR Coated
	Part No.	Part No.
10.0	WPS1110	WPS1210
12.7	WPS1112	WPS1212
15.0	WPS1115	WPS1215
20.0	WPS1120	WPS1220
25.4	WPS1125	WPS1225