

## Quartz (z-cut) ground blanks

We can offer ground blanks ready for manufacturing a range of optics.

The most frequently requested specifications for Z-cut quartz ground blanks are as follows:

|                                   |                                |
|-----------------------------------|--------------------------------|
| <b>Diameter range</b>             | less than 5mm to 150mm         |
| <b>Diameter tolerance</b>         | better than $\pm 0.5\text{mm}$ |
| <b>Centre thickness</b>           | up to 50mm                     |
| <b>Centre thickness tolerance</b> | better than $\pm 0.5\text{mm}$ |
| <b>Clear aperture</b>             | 90%                            |
| <b>Linear dimension</b>           | up to 150mm                    |
| <b>Linear tolerance</b>           | better than $\pm 0.5\text{mm}$ |
| <b>Angular tolerance</b>          | better than 10 arc minutes     |
| <b>Edge finish</b>                | fine ground N6                 |
| <b>Chamfer</b>                    | 0.3x0.3@45°                    |

Our capabilities are always expanding so if your requirement is not mentioned above please enquire as we have many years of experience in this field.

Contact our multilingual technical sales team and discover how Knight Optical's high quality z-cut quartz ground glass capabilities and service can improve your instrumentation and supply chain experience.