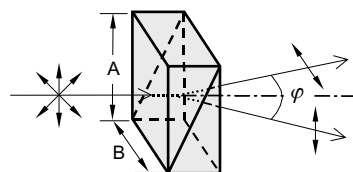


## WOLLASTON PRISMS

- Split a beam into two orthogonally polarized divergent beams
- Made from the finest optical grade natural calcite



### SPECIFICATIONS

|                     |                     |
|---------------------|---------------------|
| Material            | Natural calcite     |
| Surface quality     | 80–50 scratch & dig |
| Wavelength range    | 300–2200 nm         |
| Extinction ratio    | 1:10 <sup>-5</sup>  |
| Separation angle    | 10 or 20 deg        |
| Dimension tolerance | ±0.25 mm            |

| Catalogue number | Standard dimensions<br>A × B, mm | Beam separation<br>φ, deg | Price,<br>EUR |
|------------------|----------------------------------|---------------------------|---------------|
| 450-2101         | 10 × 10                          | 10                        | 428           |
| 450-2121         | 12 × 12                          | 10                        | 517           |
| 450-2141         | 14 × 14                          | 10                        | 545           |
| 450-2102         | 10 × 10                          | 20                        | 468           |
| 450-2122         | 12 × 12                          | 20                        | 555           |
| 450-2142         | 14 × 14                          | 20                        | 582           |

Other sizes, better quality, different spectral ranges or AR coatings are available on request.

### MOUNTING

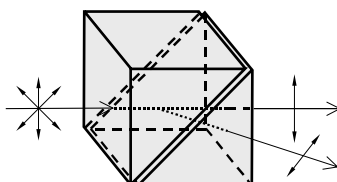


We can supply prisms mounted in a black aluminium mount M2P with two escape ports. The mount fits our polariser holders 840-0180, 840-0185, 840-0195.

To order a Glan-Taylor or Wollaston prism with a mount or with a AR coating, add the mount code M2P or the coating code to the catalogue number, and add the mount or coating cost to the prism price.

## ROCHON POLARISING PRISMS

Rochon polarizer is made of two α-BBO prisms cemented together. The first prism, cut parallel to the optic axis, receives the light; the second, with the optic axis at right angles, transmits the ordinary ray without deviation but the extraordinary ray is deflected. A Rochon prism can be used to produce plane-polarized light and it can also be used with ultraviolet light. Any separation angle can be designed for specific wavelength upon request.



### SPECIFICATIONS

|                      |                               |
|----------------------|-------------------------------|
| Material             | α-BBO                         |
| Wavelength range     | 200–3500 nm                   |
| Extinction ratio     | 1:10 <sup>-5</sup>            |
| Surface quality      | 20-10 scratch & dig           |
| Wavefront distortion | λ/4 at 633 nm                 |
| Beam deviation       | <3 arcmin                     |
| Separation angle     | 8–14 deg (8 deg @1064nm)      |
| Coating              | Single layer MgF <sub>2</sub> |
| Mount                | Black anodized aluminium      |

| Catalogue number | Clear aperture Ø, mm | Outer mount Ø, mm | Price, EUR |
|------------------|----------------------|-------------------|------------|
| 455-2108         | 8.0                  | 25.4              | 549        |
| 455-2110         | 10.0                 | 25.4              | 699        |
| 455-2115         | 15.0                 | 30.0              | 950        |