# 400 PQ 25

Quality planoconvex lens

## 400 PQ 25 specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter (mm)</td>
<td>25</td>
</tr>
<tr>
<td>Diameter tolerance (mm)</td>
<td>+0, -0.1</td>
</tr>
<tr>
<td>Focal length (mm)</td>
<td>400</td>
</tr>
<tr>
<td>Focal length tolerance (at 587nm)</td>
<td>±2%</td>
</tr>
<tr>
<td>Back focal length (mm)</td>
<td>398.8</td>
</tr>
<tr>
<td>Centre thickness (mm)</td>
<td>1.9</td>
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<tr>
<td>Centre thickness tolerance</td>
<td>±0.35mm</td>
</tr>
<tr>
<td>Edge thickness (mm)</td>
<td>1.5mm</td>
</tr>
<tr>
<td>Centration</td>
<td>2.5mrad</td>
</tr>
<tr>
<td>Form</td>
<td>planoconvex</td>
</tr>
<tr>
<td>Scratch-dig</td>
<td>40-20</td>
</tr>
<tr>
<td>Coating type</td>
<td>Uncoated</td>
</tr>
<tr>
<td>Glass type</td>
<td>BK7</td>
</tr>
</tbody>
</table>

Photo representative of the Quality planoconvex lens range, and may not show the part 400 PQ 25.

Two typical curves are shown for each coating. Curve 2 applies only to convex surfaces of short radius ($R$ greater than $1.33 \times$ dia.) and Curve 1 to all other surfaces.