Crepidolithus burwellensis

**Crepidolithus burwellensis** Black, 1972

![Images of Crepidolithus burwellensis](image)


**Description:**

Diagnosis: A species of *Crepidolithus* with two small perforations, one at each focus of the ellipse, and a distinct milling on the outer surfaces of the vertical segments.

Description: Two specimens only are available, one in distal and one in proximal view. Both are perceptibly corroded, with some loss of surface detail. The distal surface appears to be roughly flat, and is crossed in a radial direction by faint lines representing the sutures between the vertical segments. There are two perforations, about 0.5 μ in diameter, situated at the foci of the ellipse. These perforations are also visible on the proximal side, piercing the floor, whose rough surface is probably due to poor preservation. The radial sectors, seen foreshortened in this view, are not quite vertical, and show a slight left-handed imbrication; their outer edges are milled, commonly showing 7 or 8 transverse ridges.

Measurements (in microns):

<table>
<thead>
<tr>
<th></th>
<th>d</th>
<th>d'</th>
<th>p</th>
<th>p'</th>
<th>h</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holotype:</td>
<td>H.732 16512 proximal view</td>
<td>4.3</td>
<td>3.1</td>
<td>2.8</td>
<td>1.8</td>
<td>1.1</td>
</tr>
<tr>
<td></td>
<td>16499 distal</td>
<td>3.8</td>
<td>2.7</td>
<td>—</td>
<td>—</td>
<td>0.8</td>
</tr>
<tr>
<td>d, d'</td>
<td>major and minor diameters respectively of the distal shield or distal surface.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>p, p'</td>
<td>major and minor diameters of the proximal shield or proximal surface.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>h</td>
<td>total height, to tip of spine if present.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>n</td>
<td>number of component elements in the distal shield, loxolith-ring or other marginal structure.</td>
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</tr>
</tbody>
</table>

**Type level:**

Upper Gault. (Upper Albian).

Occurrence: Extremely rare, and known only from the type locality at Burwell, Cambridgeshire (H.732). Upper Gault (Upper Albian).
Type locality:
Burwell, Cambridgeshire (Southeastern England).

Depository:
Collection of electron micrographs at the Sedgwick Museum, Cambridge.
Holotype: SM 16512; fig. 1; from the Upper Gault, C. auritus Subzone at Burwell, Cambridgeshire (H.732).

Author:
Black M., 1972, p. 29; pl. 3, figs. 1, 2.

Reference: