### SMB Bearings

#### Part Number: CCSI-638

- **Bore Deviation**: +0 / -0.008mm
- **OD Deviation**: +0 / -0.008mm
- **Width Deviation**: +0 / -0.120mm

#### Tolerance

<table>
<thead>
<tr>
<th>Tolerance</th>
<th>P0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore Deviation</td>
<td>+0/-0.008mm</td>
</tr>
<tr>
<td>OD Deviation</td>
<td>+0/-0.008mm</td>
</tr>
<tr>
<td>Width Deviation</td>
<td>+0/-0.120mm</td>
</tr>
</tbody>
</table>

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#### Material

- **Material (rings & balls)**: Silicon Nitride (Si3N4)
- **Material (cage)**: Full complement, PEEK or PTFE
- **Closures**: None
- **Load rating (stat)**: 126 Kgf
- **Load rating (dyn)**: 287 Kgf
- **Speed Limit ***: 8,000 rpm
- **Standard Lubrication **: None

* with adequate lubrication
** may vary

These bearings comply with EU ROHS and REACH regulations.

#### Radial Play

<table>
<thead>
<tr>
<th>Radial Play</th>
<th>C2</th>
<th>CN</th>
<th>C3</th>
<th>C4</th>
</tr>
</thead>
<tbody>
<tr>
<td>(microns)</td>
<td>0 - 7</td>
<td>2 - 13</td>
<td>8 - 23</td>
<td>14 - 29</td>
</tr>
</tbody>
</table>

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SMB Bearings take no responsibility for any errors or omissions in this data sheet. We reserve the right to change specifications without prior notice. We recommend that adequate testing is carried out on products before they are determined as suitable for an application.