Case Study:
Wheel bearing

Grinding competence for high level industrial applications

<table>
<thead>
<tr>
<th>Internal cylindrical grinding in CBN and diamond</th>
<th>External cylindrical grinding tools in CBN and diamond</th>
<th>Honing and finishing tools made of corundum and silicon carbide</th>
<th>Top class diamond dressing tools of highly advanced technology</th>
<th>Precision grinding tools for the semiconductor industry</th>
<th>Double disk fine grinding wheels in CBN and diamond</th>
</tr>
</thead>
</table>

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Internal cylindrical grinding in corundum and silicon carbide

<table>
<thead>
<tr>
<th>Dimension:</th>
<th>72x56x22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
<td>100Cr6</td>
</tr>
<tr>
<td>Dressing interval:</td>
<td>7 Stk.</td>
</tr>
<tr>
<td>Time savings:</td>
<td>6 sec. / pcs.</td>
</tr>
<tr>
<td>Surface quality:</td>
<td>Ra 0.31 ; Rz 2</td>
</tr>
</tbody>
</table>

Surface quality seat / bore: Ra 0.08 / Rz 0.5
Ra 0.1 / Rz 0.63

Precision grinding
Specification: B35V X-A S71615
Material: AISI 440
Meister Abrasives and Alfons Schmeier are your partners for high-precision and complex applications using conventional grinding tools for internal grinding.

Technologies:

- **Ceralox**
  Ceramic-bonded sintered corundum structure with best grinding properties for high economy

- **Vit SIC**
  Silicon carbide ceramic bonded for brittle-hard materials

- **Vit Alox**
  Aluminium oxide structure for economical use

Your benefits:

- Customer specific solutions
- Free cutting structures
- Excellent profile and surface finish capabilities
- Superior wear resistance
- High cutting performance

For more information:
www.meister-abrasives.com/technology