DLC Coating

... improves the productivity of your tools

An amorphous carbon coating with very low friction and high hardness, for dry lubrication and protection against sliding wear and galling

CC DLC BENEFITS

- Protection from sliding wear
- Prevention of oil-graphite lubrication
- Reduced maintenance
- Reduction of manufacturing costs
- Multiple prolonged tool life
- Easier cleaning
- Shortened cycle times
- Minimized down times
- Reduced maintenance

COMMON APPLICATIONS

- Medical devices
- Automotive components
- Firearms
- Dies
- Cores, inserts, sliders and moving parts
- Cutting tools
- Pump parts
- Engine components

<table>
<thead>
<tr>
<th>Tool steel (for comparison)</th>
<th>CC DLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Silver</td>
</tr>
<tr>
<td>Thickness (µm)</td>
<td>–</td>
</tr>
<tr>
<td>Hardness (HV)</td>
<td>500-800</td>
</tr>
<tr>
<td>Coating temperature (°C)</td>
<td>–</td>
</tr>
<tr>
<td>Max work temperature (°C)</td>
<td>200-400</td>
</tr>
<tr>
<td>Friction coefficient (dry)</td>
<td>0.8</td>
</tr>
</tbody>
</table>