Going deeper.

BALINIT coatings for extremely wear-resistant oil and gas drills and pumps.

经BALINIT涂层的石油天然气钻头和泵具有极高的抗磨损性。
BALINIT DLC is the unmatched combination against friction and abrasion.

**BALINIT DLC** 是对抗摩擦和磨损的完美组合。

BALINIT® DLC coatings are the state-of-the-art solution for precision components in the automotive industry and in mechanical engineering. The typical coating thickness range for precision parts like wrist pins or parts in fuel injection systems is 1 to 3 micrometres. The oil and gas industry, however, benefits from multilayered DLC coatings with a thickness of 10 to 30 micrometres, combining exceptionally low friction with extreme coating hardness. The result is very high abrasion resistance for drilling joints and pump couplings.

**Benefit now from less friction and higher abrasive wear resistance:**

较低的摩擦性和较高抗磨损保护给您带来的好处:

### Calo test of very thick multilayered CNI DLC coating

针对非常厚的多层CNI DLC涂层的Calo测试

<table>
<thead>
<tr>
<th>Wear Coefficient (10^-4m^2N^-1)</th>
<th>Friction (dry)</th>
<th>Steel pin disc test (μ)</th>
<th>Coating material</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>0.2</td>
<td>0.3</td>
<td>0.4</td>
<td>0.5</td>
</tr>
<tr>
<td>BALINIT® C 1000 (α-C:H)</td>
<td>2.5</td>
<td></td>
<td></td>
<td>α-c:H</td>
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<tr>
<td>BALINIT® C 1600 (α-C:H)</td>
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<td>α-c:H</td>
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<tr>
<td>BALINIT® DLC</td>
<td>2.5</td>
<td></td>
<td></td>
<td>α-c:H</td>
</tr>
</tbody>
</table>

**Your advantages with BALINIT DLC coated drill and pump components:**

经BALINIT DLC涂层后的钻头和泵零部件的优势:

- Less friction against steel walls allowing less drilling torque
- A unique combination of seizure resistance and abrasive wear resistance due to high hardness and low friction
- Longer service life of pump components

**We recommend:**

BALINIT DLC for more durability.

我们推荐：BALINIT DLC使您的产品更耐用。

### There's much more to talk about – please get in touch to discuss how we can help you to improve your business.

更多需要了解，请与我们联系。

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