COR™ BALT 6 ELECTRODE

DESCRIPTION
COR™ BALT 6 is a cobalt based alloy designed for maintaining hardness at elevated temperatures as well as excellent corrosion and abrasion resistance. COR™ BALT 6 also forms chrome carbides for abrasion resistance, and the tungsten provides strength at elevated temperatures. Welded deposits have a low coefficient of friction and will develop a high polish in service.

APPLICATIONS
Typical wearfacing uses include: valve overlays, thrust washers, press hammer ways, rail mill and rolling guides, skulling hooks, cams, brake drums, and engine parts.

PROCEDURE
A minimum preheat of 350°F is recommended for mild steels. Preheat all other alloys according to the base material.

WELDING PARAMETERS
<table>
<thead>
<tr>
<th>Size</th>
<th>5/32&quot;</th>
<th>3/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amps</td>
<td>140-160</td>
<td>180-200</td>
</tr>
</tbody>
</table>

MECHANICAL PROPERTIES
42-46 Rc as welded

CLASSIFICATION
AWS A5.13, Class ECoCr-A