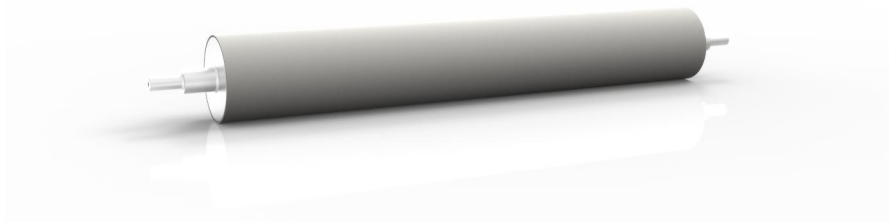


# HanneSpray-Cr Plus



<b>Cover Type:</b>	Carbide	
<b>Possible applications:</b>	<p>Rollers needing a hard surface (up to 1100 HV) and a covering with corrosion resistance</p> <p>Replacement of chromium plating covers with improved hardness and lifetime</p> <p>Every roller which requires optimal corrosion resistance and a good abrasion resistance</p> <p>Metal industry : furnace rollers (up to 950 °C) - looper, bridle and deflector rollers on pickling lines and in corrosive environments, dryer rollers, pick-up rollers for organic and chemical coating (solvent and water based)</p> <p>Food industry : dryer drums, drive and deflector rollers for belt presses, metal rollers in food processing</p>	
<b>Hardness Range:</b>	1100 Vickers	
<b>Recommended Cover Thickness:</b>	min. 50 µm - max. 1000 µm	
<b>Temperature resistance:</b>	Dry:	continuous 900°C
<b>Properties and advantages:</b>	<p>Very hard surface coating (hardness up to 1100 HV) obtained by HVOF thermal spray technology</p> <p>Standard as-sprayed surface roughness <math>Ra\ 3 \pm 1\ \mu m</math></p> <p>Possible to obtain polished surface or even mirror-aspect (lowest <math>Ra = 0,05\ \mu m</math>)</p> <p>Very low porosity rate (around 0,2 %)</p> <p>Optimal corrosion resistance and very good abrasion resistance</p> <p>Food approved and compliant to European and USA standards (CE 1935/2004 - FDA)</p>	
<b>Specific characteristics:</b>	Food approved Bonding strength: Surface roughness (Ra):	> 75 MPa min. 0.05 µm - max. 6 µm
<b>Remark:</b>	Food contact compliance : 1935/2004/CE regulation art. 3, 2007/766 decree	