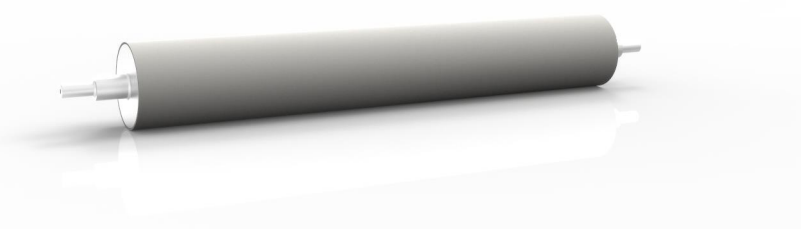


HanneSpray-Cr Plus



Cover Type:	Carbide
Possible applications:	<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>
Hardness Range:	1100 Vickers
Recommended Cover Thickness:	min. 50 µm - max. 1000 µm
Temperature resistance:	Dry: continuous 900°C
Properties and advantages:	<p>Very hard surface coating (hardness up to 1100 HV) obtained by HVOF thermal spray technology</p> <p>Standard as-sprayed surface roughness $Ra\ 3 \pm 1\ \mu m$</p> <p>Possible to obtain polished surface or even mirror-aspect (lowest $Ra = 0,05\ \mu m$)</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>
Specific characteristics:	<p>Food approved</p> <p>Bonding strength: > 75 MPa</p> <p>Surface roughness (Ra): min. 0.05 µm - max. 6 µm</p>
Remark:	Food contact compliance : 1935/2004/CE regulation art. 3, 2007/766 decree