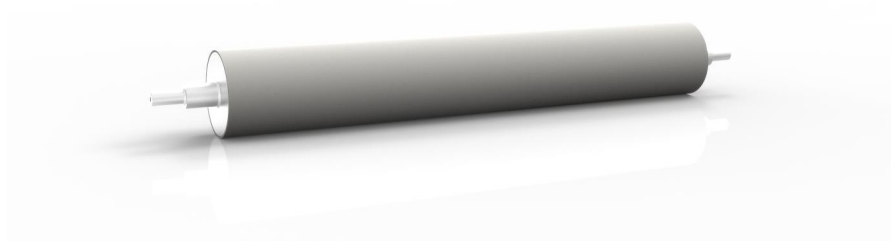


# HanneSpray-Cr



|                                     |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cover Type:</b>                  | Carbide                                                                                                                                                                                                                                                                                                                                                            |
| <b>Possible applications:</b>       | Rollers needing a hard surface (up to 900 HV) and a covering with good corrosion resistance<br>Replacement of chromium plating covers with improved hardness and lifetime<br>Rollers requiring a good corrosion and abrasion resistance<br>Metal industry : furnace rollers (up to 950 °C) - dryer rollers - pick-up rollers for organic and solvent-based coating |
| <b>Hardness Range:</b>              | 900 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>   | Hard surface coating (hardness up to 900HV) obtained by HVOF thermal spray technology<br>Standard as-sprayed surface roughness, Ra: 6 ± 1 µm<br>Possible to obtain polished surface or even mirror-aspect (lowest Ra = 0,05 µm)<br>Low porosity rate (around 1%)<br>Very good corrosion resistance and good abrasion resistance                                    |
| <b>Specific characteristics:</b>    | Bonding strength: > 75 MPa<br>Surface roughness (Ra): min. 0.05 µm - max. 10 µm                                                                                                                                                                                                                                                                                    |