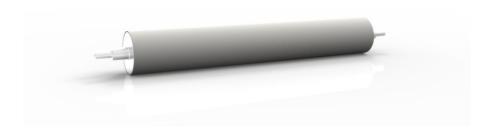
## HanneSpray-W



| Cover Type:                  | Carbide  |                                       |
|------------------------------|--|---------------------------------------|
| Possible applications:       | Rollers needing a very hard surface (up to 1100 HV)  |                                       |
|                              | Replacement of chromium plating covers with improved hardness and lifetime   |                                       |
|                              | Metal industry - steel strip production a rollers on different process lines, rollers support rollers in slab casting and hot in   |                                       |
|                              | Plastic film, packaging and conversion industry: lamination and embossing rollers, calender rolls, chill rolls, heated rolls, conveyor rollers, stretching and deflector rollers - smooth and rough finish - replacement of chromium plating |                                       |
| Hardness Range:              | 1100 Vickers   |                                       |
| Recommended Cover Thickness: | min. 50 μm - max. 1000 μm  |                                       |
| Temperature resistance:      | Dry:   | continuous 500°C                      |
| Properties and advantages:   | Very hard surface coating (hardness up to 1100 HV) obtained by HVAF thermal spray technology   |                                       |
|                              | Standard as-sprayed surface roughness, Ra : 6 ± 1 µm   |                                       |
|                              | Possible to obtain polished surface or even mirror-aspect (lowest Ra = $0.05 \mu m$ )  |                                       |
|                              | Porosity rate around 3 % - not recommended in corrosive environment  |                                       |
| Specific characteristics:    | Bonding strength:<br>Surface roughness (Ra):   | > 75 MPa<br>min. 0.05 μm - max. 10 μm |



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