

CEWELD Powder HVOF DUR 12 (45-15)

TYPE	HVOF Powder for Stellite 12														
APPLICATIONS	Hardfacing, Wear-Resistance, Corrosion-Resistance														
PROPERTIES	Powder HVOF DUR 12 (45/15) could be considered an intermediate alloy between Powder HVOF DUR 6 (45/15) and Powder HVOF DUR 1 (45/15). It contains a higher fraction of hard, brittle carbides than Powder HVOF DUR 6 (45/15), and has increased resistance to lowangle erosion, abrasion, and severe sliding wear whilst retaining reasonable impact and cavitation resistance. The higher tungsten content provides better hightemperature properties and it can be used at temperatures up to about 700°C.														
CLASSIFICATION	EN ISO 14232-1 Co-Cr-W 54/30/8														
SUITABLE FOR	Cutting tools that need to withstand abrasion, heat and corrosion. It is also used for control plates in the beverage industry, pump vanes, bearing bushes and narrowneck glass mold plungers. Hardfacing of engine valves, pinch rollers in the metal-processing industries, and rotor blade edges.														
APPROVALS	No Approvals Found														
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table><thead><tr><th>Co</th><th>C</th><th>Cr</th><th>W</th><th>Si</th><th>Fe</th><th>Ni</th></tr></thead><tbody><tr><td>Rem.</td><td>1.4</td><td>30</td><td>8</td><td>1.25</td><td>2.7</td><td>2.6</td></tr></tbody></table>	Co	C	Cr	W	Si	Fe	Ni	Rem.	1.4	30	8	1.25	2.7	2.6
Co	C	Cr	W	Si	Fe	Ni									
Rem.	1.4	30	8	1.25	2.7	2.6									
REDRYING TEMPERATURE	Not required														
GAS ACCORDING EN 14175															