CEWELD Powder HVOF DUR 12 (45-15)

certilas® THE FILLER METAL SPECIALIST

TYPE	HVOF Powder for Stellite 12
ANWENDUNGEN	Hardfacing, Wear-Resistance, Corrosion-Resistance
EIGENSCHAFTEN	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.
KLASSIFIKATION	EN ISO 14232-1 Co-Cr-W 54/30/8
GEEIGNET FÜR	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.
ZULASSUNGEN	
SCHWEISSPOSITIONEN	

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

Co	C	Cr	W	Si	Fe	Ni
Rem.	1.4	30	8	1.25	2.7	2.6

MECHANISCHE GÜTEWERTE

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175