CEWELD Powder HVOF DUR 1 (45/15)

certilas® THE FILLER METAL SPECIALIST

TYPE

HVOF Powder for Stellite 1

APPLICATIONS

CEWELD® Powder HVOF DUR 1 contains a high proportion of hard, wear-resistant primary carbides. As a result, the alloy is well suited for applications involving extreme flat-angle erosion and severe abrasion, although this comes at the cost of some loss of toughness.
Applications
Valve seats, gaskets, sliders, Pump sleeves, bushings, bearings, Saw blades, screw blades, cutting tools
Crushers, mixer rotors, Extrusion screws, extrusion screw, dies, Wear liners, seam rollers

PROPERTIES

CEWELD® Powder HVOF DUR 1 is a hardfacing HVOF Powder with excellent abrasion and corrosion resistance for applications such as pump liners, rotating seal rings, wear plates, screw conveyors, and bearing sleeves. It retains its hardness at temperatures above 760 °C (1400 °F).
Standard particle size: 45/15 µm
also possible: 106/20 µm, 106/38 µm, 106/45 µm, 125/38 µm, 125/45 µm, 150/45 µm, 150/53 µm, 150/63 µm, 180/53 µm, 180/63 µm, 210/63 µm, 250/45 µm, 63/20 µm, 75/20 µm

CLASSIFICATION

EN ISO 14232-1 Co-Cr-W 50/30/12

SUITABLE FOR

Valve seats, gaskets, sliders, Pump sleeves, bushings, bearings, Saw blades, screw blades, cutting tools
Crushers, mixer rotors, Extrusion screws, extrusion screw, dies, Wear liners, seam rollers

- Ventilsitze, Dichtungen, Schieber
- Pumpenhülsen, Buchsen, Lager
- Sägeblätter, Schraubenblätter, Schneidwerkzeuge
- Brecher, Mischerrotoren
- Extrusionsschnecken, Extrusionsschnecke, Düsen
- Verschleißpolster, Nahtrollen

APPROVALS

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

Co	C	Cr	W	Si	Fe	Ni	Mo
Rem.	2.2	30	12	1.2	2.5	2	0.5

MECHANICAL PROPERTIES

REDRYING

Not required

GAS ACC. EN ISO 14175