

# CEWELD Powder DUR 6 Mo (Alloy F75)

TYPE	Gas atomized spherical Cobalt-Chromium-Molybdenum alloy.								
APPLICATIONS	PTA and or laser overlay welding on wear parts that need to outlast new parts where high temperatures combined with corrosion and wear resistance is required. 3D printing of parts for medical applications as prostatic implants such as replacement hips and knee condyles.								
PROPERTIES	CoCrMo alloys are non magnetic and offers extreme resistance against fatigue. The alloy offers excellent polishing characteristics and ensures long tool life.								
CLASSIFICATION	EN ISO 14232-1 Co-Cr-Mo 63/28/6								
SUITABLE FOR	Replacement hips, knee parts, condyles, Gas turbine parts, fuel nozzles, orthopedic implants.								
APPROVALS									
WELDING POSITIONS									
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table><thead><tr><th>Co</th><th>Cr</th><th>Mo</th><th>Other</th></tr></thead><tbody><tr><td>Rem.</td><td>27</td><td>6</td><td>2.6</td></tr></tbody></table>	Co	Cr	Mo	Other	Rem.	27	6	2.6
Co	Cr	Mo	Other						
Rem.	27	6	2.6						
MECHANICAL PROPERTIES									
REDRYING	Not required								
GAS ACC. EN ISO 14175									