



THE COATING & GRINDING EXPERTS

## TECHNICAL SPECIFICATIONS

Process Used	Nomenclature	Coating Composition	Hardness
HVOF	Tungsten Carbide/Chrome Nickel	73% WC, 20% CrC, 7% Ni	68-70 RC
HVOF	Tungsten Carbide/Cobalt/Chrome	86% WC, 10% Co, 4% Cr	68-70 RC
HVOF	Nickel/Chrome/Boron	4% B, 5% C, 16.5% Cr, 3.5% Fe, 6.22% Mo, 3.5% Si, 2% Cu, Ni-balance	58-62 RC
HVOF	Chrome Carbide	75% CrC, 25% NiCr	64-68 RC
HVOF	Alloy 625	21% Cr, 3% Fe, 8% Mo, 3.5% Nb, 64% Ni, others-balance	35-40 RC
HVOF	Alloy 718	53% Ni, 19% Cr, 19% Fe, 5% NB, 3% Mo	36-45 RC
HVOF	Hasteloy C-276	15% Cr, 5% Fe, 16% Mo, 3% W, Ni-balance	35-40 RC
HVOF	Tungsten Carbide/Cobalt	88% WC, 12% Co	66 HRC
HVOF	Tungsten Carbide/Cobalt	83% WC, 17% Co	68-71 RC
HVOF	Tungsten Carbide/Nickel	90% WC, 10% Ni	64 RC
Plasma	Aluminum Oxide	96% Al <sub>2</sub> O <sub>3</sub> , 2% TiO <sub>2</sub>	65 HRC
Plasma	Zirconium Oxide	92% ZrO <sub>2</sub> , 8% Y <sub>2</sub> O <sub>3</sub>	25-35 RC
Plasma	Chrome Oxide	92% Cr <sub>2</sub> O <sub>3</sub> , 3% TiO <sub>2</sub> , 5% SiO <sub>2</sub>	62-64 RC
Plasma	Nickel Aluminide	95% Ni, 5% Al	65-80 RB
Twin Wire Arc	420 Stainless Steel	0.3% C, 1% Ni, 1% Mn, 12-14% Cr, 0.08% Si, Fe-balance	40-43 RC
Twin Wire Arc	Nickel Aluminide	95% Ni, 5% Al	55-80 RB
Twin Wire Arc	Armacor	High Chrome Steel Alloy	55 RC
Combustion Wire	400 Series Stainless - #2	13% Cr, 0.5% Si, 0.5% Ni, 0.5% Mg, 0.35% C, 0.28% P, 0.02% S, Fe-balance	33 RC
Combustion Wire	Nickel Aluminide	80% Ni, 20% Al	22 RC