

HARDFACING and REPAIR/MAINTENANCE Application Chart

Type	Application/Alloy	Bare rod	Electrode	Solid Wire	FCW with gas	Open Arc FC Wire
L	Build-Up/Buffer - low alloy steel	TALARC 110 TIG	Hyundai S 350A.R	TALARC HF350	PHF 350G (2892-SPL)	PHF 350 O (2892-FCO)
	Build-Up/Joining - manganese steel		Hyundai S 13Mn.B		PHF MANG-O/G (2850-SPL)	
H	General Purpose Hardfacing		Hyundai S-700B.B	TALARC HF600	PHF 650G (2898-SPL)	PHF 650 O (2898-FCO)
	Forging Dies and Metal Forming				PHF 2747-FCG	
	Abrasion and Impact		Hyundai S-700B.B	TALARC EA600	PHF 650G (2898-SPL)	PHF 2820-SPL
V	Severe Abrasion		Hyundai S711 Postalloy 216HD		PHF 850 O/G (2832-SPL)	
						SUPERSHIELD CrCW
					PHF 2836-SPL	
E	Extreme Abrasion		Postalloy 219HD		MATRIX PS-98 with TALWELD TUNGSTEN CARBIDE GRANULES	Tungsten Carbide 299 (PHF 299-SPL)
Special Alloys: Cobalt base for heat, wear and/or corrosion		TALWELD WT-6			COBALT 6 (PHF 2506-SPL)	
		TALWELD WT-12			COBALT 12 (PHF 2512-SPL)	
		TALWELD WT-21				
Special Alloys: Nickel base for Cast Iron		High Ni	NI-ROD 99 TIG	PHF 51	NI-ROD 99	
			Ni Iron		PHF 50	NI-ROD 44
					PHF 505	

