Weldclass

PLATINUM SD-980
HARDFACING WIRE

Updated 22.09.2025

Versatile and easy-to-use “all-rounder”

- Solid wire, use with gas
- Tough weld deposit can handle abrasion, moderate-to-high impact and metal-to-metal wear
- Especially suitable for abrasive wear, when accompanied by shocks and blows
- All-positional
- Available in 15kg and 4.5kg spools
- Suitable for use with smaller/portable MIG welders (requires Max 180-200Amps)

Typical Applications Include:

- Excavator bucket lips and teeth
- Points and tynes
- Screws & Augurs
- Shear blades
- Tracks
- Crushing wheels and jaws
- Guillotine blades, punch dies
- Pulleys (eg: Drag-line pulleys)
- Dump-truck / Tipper bodies / Trays

Part No	Spool Size	Wire Size
WC-03764	4.5kg 200mm	1.2mm
WC-03765	15kg 300mm	1.2mm

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Technical Data							
PROPERTIES							
Description	Solid, bronze-coated hard-facing welding wire						
Classifications*	AS/NZS 2576:2455-M1						
Typical Analysis (%) of all-weld metal	Element	C	Si	Mn	Cr	S	P
	%	0.45	3.00	0.40	9.5	0.030	0.030
Typical Hardness	54 - 58 HRc (Rockwell)						
APPLICATION							
Recommended For	Metal-to-earth and similar applications requiring abrasion resistance, especially where some impact (shocks & blows) will occur. Metal-to-metal applications such as shear blades, punch dies, pulleys, etc.						
NOT Suitable For	Not recommended for equipment that will be submerged in salt-water						
PREPARATION							
Buffer Layer	Not normally required. In case of hard-to-weld steels, use buffer layer of basic electrodes or FCAW wire.						
Pre-Heat	Not normally required, unless to minimise relief-checking (micro cracking)						
Surface	The surface to be hard faced should be clean and free of rust, scale or grease and other contamination						
OPERATING DATA							
Shielding Gas	Ar+CO2 mixed gas						
Polarity	DC+ (Wire/torch positive, Earth negative)						
Typical Parameters	1.2mm: 120-270A / 19-30V						
Positions	All-positional						
Multi-layer	Up to 3 layers						
Comments	Using higher amps/volts than is necessary may result in excessive alloying with parent metal which reduces hardness & lessens wear life. As a general rule, this wire should be applied on the lowest current setting possible without affecting adhesion & impact strength.						
FINISH							
Relief-Checking	Yes. Surface normally forms fine cracks after welding.						
Machine-able	No						
Grind-able	Yes						
COMPARISON							
Comparable with*	Stoody 965-G, Lincore 55-G/O, Robodur K 600-G, Welding Alloys L-G/O, Inefil 600-BR, Talarc HF600 *Comparable products are given for indicative purposes only, the characteristics of each different brand & type of product will not be identical. Any reference to brand names or trade names of comparable products are the property of their respective owners and have no affiliation with Weldclass.						

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