


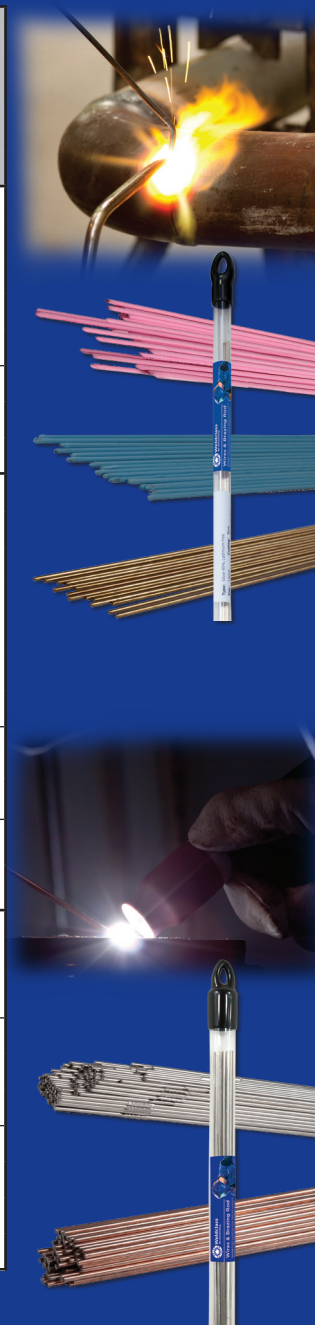








Type	Product		Steel	Cast Iron	Stainless	Copper	Brass	Bronze	Nickel Alloys	Aluminium	Attributes / Comments	Common Uses
	Description	Part No.	Fe		SS	Cu	CuZn	CuSn	Ni	Al		
Bronze Brazing 	Manganese-Bronze										General purpose. Can be used in place of Tobin Bronze for many applications. NOT suitable for copper pipes carrying hot water or salt water. Melting range 870-900°C.	Joining & repair of most ferrous and copper-based metals
	2.4mm Bare Pk10	P2-FRMB24B/10										
	2.4mm Flux-Coated Pk10	P2-FRMB24F/10	✓	✓	✗	✓	✓	✓	✗	✗		
	3.2mm Bare Pk10	P2-FRMB32B/10										
	3.2mm Flux-Coated Pk10	P2-FRMB32F/10										
	Nickel Bronze (Nickel Silver)										High-strength, good wear resistance. Melting range 920-940°C.	Nickel alloys. Build-up of ferrous components, eg.; repairing gear teeth.
	2.4mm Flux-Coated Pk10	P2-FRNS24F/10	✓	✓	✗	✓	✓	✓	✓	✗		
	3.2mm Flux-Coated Pk8	P2-FRNS32F/8										
Silver Brazing 	45% Silver										General purpose, high-strength. High fluidity & rapid capillary flow, Good corrosion resistance. Melting range 640-680°C.	Parts with close fit up. HVAC, refrigeration, marine, etc.
	1.6mm Bare Pk2	P2-SB4516B/2										
	1.6mm Bare Pk5	P2-SB4516B/5										
	1.6mm Bare 0.5kg	WC-00209	✓	✗	✓	✓	✓	✓	✓	✗		
	1.6mm Flux-Coated Pk2	P2-SB4516F/2										
	1.6mm Flux-Coated Pk5	P2-SB4516F/5										
	1.6mm Flux-Coated 0.5kg	WC-00210										
	15% Silver ("Phos Copper")		✗	✗	✗	✓	✓	✗	✗	✗	Joins copper-to-copper without flux, and brass-to-brass (flux required). Excellent for gap-filling where close fit-up does not exist. Melting range 645-800°C.	Copper pipe, plumbing fittings, hot water tanks, etc. Joints subject to thermal expansion and service vibration
	2.4mm Bare Pk5	WC-06078										
	2% Silver ("Phos Copper")		✗	✗	✗	✓	✓	✗	✗	✗	Economic option. Joins copper to copper (with or without flux) & copper to low-zinc brass (flux required). Melting range 645-820°C.	Copper pipe, plumbing fittings, hot water tanks
	2.4mm Bare Pk5	WC-06357										
TIG & Oxy* Welding 	Steel S6		✓	✗	✗	✗	✗	✗	✗	✗	Good for poor fit-up and/or where impurities such as rust and scale are present.	General purpose TIG welding of steel (or Oxy/Acetylene fusion welding)
	1.6mm 1.0kg	WC-03782										
	2.4mm 1.0kg	WC-03783										
	Stainless-Steel 316L		✗	✗	✓	✗	✗	✗	✗	✗	TIG welding common 300 series stainless steels	
	1.6mm 1.0kg	WC-02373										
	2.4mm 1.0kg	WC-02452										
	Aluminium 5356		✗	✗	✗	✗	✗	✗	✗	✓	TIG welding wide range of aluminium alloys	
	1.6mm 0.5kg	WC-01535										
	2.4mm 0.5kg	WC-02308										
	3.2mm 0.5kg	WC-02309										



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Type	Ø	Pack Size	Part No.	Amps	Typical Application(s)	Operating Comments
Steel - General Purpose 	Platinum 12V				Mild & galvanised steel. Very smooth arc, easy re-striking & self-releasing slag. Tolerant to dirty materials & poor fit-up.	Very popular due to exceptional user appeal. Suitable for use with most welding machines. Use in all positions, including vertical down.
	2.0mm	25 Rod Blister	P2-E12V/20HP	40-60A		
	2.6mm	14 Rod Blister	P2-E12V/26HP	50-90A		
		2.5kg Bulk Pack	2-E12V/26			
	3.2mm	9 Rod Blister	P2-E12V/32HP	90-130A		
		5.0kg Bulk Pack	2-E12V/32			
	Promax GP				Mild & galvanised steel. Smooth arc, easy re-striking & self-releasing slag. Tolerant to dirty materials & poor fit-up.	Suitable for use with most welding machines. Use in all positions, including vertical down.
	2.0mm	1kg Reusable Pack	WC-06296	40-60A		
	2.6mm		WC-06297	50-90A		
3.2mm	WC-06298		90-130A			
Steel - High Strength 	Platinum 16XT “Low Hydrogen”				Where higher strength is required, eg highly restrained joints or components subject to higher load stress.	Should be used on machines with OCV* of DC 55V or AC 65V & above. Use in all positions, except vertical down.
	2.6mm	2kg Vacuum Pack	WC-03974	60-110A		
	3.2mm		WC-03975	90-140A		
	4.0mm		WC-03976	130-190A		
Stainless-Steel 	Platinum 316L				Welding of matching 316, 316L & common 300 series stainless steels, including; 301, 302, 304, 304L, 3Cr12, etc. Good resistance to pitting, acids & general corrosion.	Suitable for use with most welding machines. Use in all positions, except vertical down.
	2.0mm	1kg Reusable Pack	WC-06453	30-50A		
	2.6mm	10 Rod Blister	P2-316L26	50-75A		
		1kg Reusable Pack	WC-06454			
	3.2mm	8 Rod Blister	P2-316L32	75-110A		
		1kg Reusable Pack	WC-06455			
	Platinum 309MoL				Strong & corrosion-resistant welding of; Stainless to mild or low alloy steels, Matching 309 & 309L stainless, CrNi & CrNiMo stainless, Hard to weld steels, Cladding & buffer layers.	Should be used on machines with OCV* of 70V & above. Use in all positions, except vertical down.
	2.6mm	1kg Reusable Pack	WC-06446	45-75A		
	3.2mm		WC-06447	75-100A		
Universal 	Platinum 312				High strength welding of almost any steel or stainless-steel. Ideal for; Unknown steels, Dissimilar steels (eg steel to stainless), Die or tool steel, etc. Also used for buffer layer prior to hardfacing.	Suitable for use with most welding machines. Use in all positions, except vertical down. Not recommended for cast iron.
	2.6mm	10 Rod Blister	P2-31226	50-75A		
		1kg Reusable Pack	WC-06294			
	3.2mm	8 Rod Blister	P2-31232	75-110A		
1kg Reusable Pack		WC-06295				
Cast Iron 	Platinum NiFe				High strength, cold welding of; cast iron (incl. grey / malleable, nodular & SG iron) & cast iron to steel. Machineable weld deposit.	Suitable for use with most welding machines. Use in horizontal/flat position only.
	3.2mm	9 Rod Blister	P2-NCI32	60-110A		
		1kg Reusable Pack	WC-06299			
Hard Facing 	Promax 700				General use on ground-engaging implements & similar; augers, points, tynes, blades. Ideal for parts subject to flexing.	Hardness 53-56 HRC. Suitable for use with most welding machines. Use in horizontal/flat position only.
	3.2mm	1kg Reusable Pack	WC-06444	90-130A		
	4.0mm		WC-06476	140-180A		
	Platinum 943				High-performance for long wear life. Exceptional abrasion resistance & good impact strength. Bucket lips, screws, hammers, teeth, crushers, etc.	Hardness 60-65 HRC. Should be used on machines with OCV* of 55V & above. Use in horizontal/flat position only.
	3.2mm	1kg Reusable Pack	WC-06445	115-140A		
	4.0mm		WC-06477	140-185A		

*OCV = Open Circuit Voltage. Typical OCV ratings; Most inverter machines = 55V+. Most professional / higher-end inverter machines have OCV of 70V+. Some older non-inverter machines = less than 50V.

OCV rating is usually indicated on welding machine data plate, sometimes with the symbol “Uo”.



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