


| 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) | | | | | | | | | | | |
| 2.4mm Flux-Coated Pk10 | P2-FRNS24F/10 | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | High-strength, good wear resistance. Melting range 920-940°C. | Nickel alloys. Build-up of ferrous components, eg.; repairing gear teeth. | |
| 3.2mm Flux-Coated Pk8 | P2-FRNS32F/8 | | | | | | | | | | | |
| 45% Silver | | | | | | | | | | | | |
| 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 | ✗ | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | | | |
| 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 | | | | | | | | | | | |





| Type | Ø | Pack Size | Part No. | Amps | Typical Application(s) | Operating Comments | | |
|--|-------------------------------------|-------------------|---------------|-----------|---|--|--|--|
| Steel - General Purpose I | 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 | | | | | |
| Steel - High Strength I | 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 INOX SS | 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 | | | | |
| | | 10 Rod Blister | P2-316L26 | 50-75A | | | | |
| | 2.6mm | 1kg Reusable Pack | WC-06454 | | | | 75-110A | |
| | | 3.2mm | 8 Rod Blister | P2-316L32 | | | | |
| | 1kg Reusable Pack | | WC-06455 | | | | | |
| Universal | 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 | | | | |
| Cast Iron | 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 | | | | | | |
| Hard Facing | 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 | | | | | |
| Promax 700 | 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".

