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PRODUCT OVERVIEW



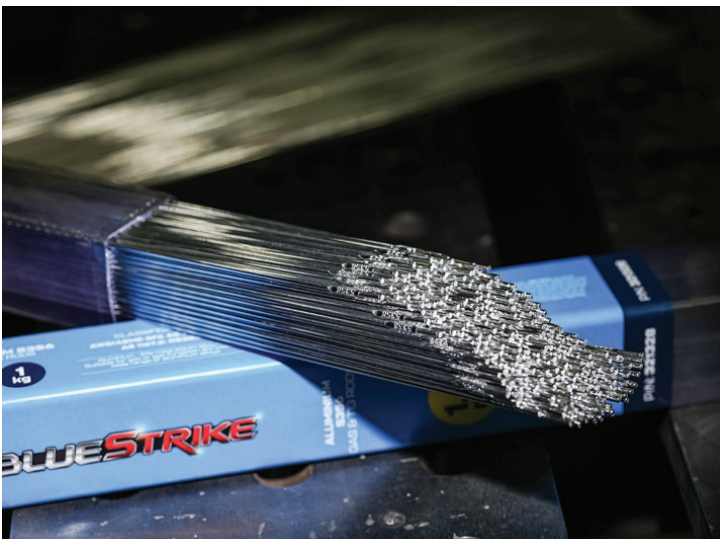
FLUX-COATED BRONZE RODS

Engineered for maximum efficiency and convenience in the workshop, our Flux-Coated Bronze range eliminates the need for manual fluxing. Featuring Manganese Bronze, Nickel Bronze, and Tobin Bronze, each rod is manufactured with a precisely formulated, built-in flux coating. This ensures smooth capillary flow, excellent surface "tinning," and maximum atmospheric protection during oxy-acetylene torch brazing. It is the ideal choice for fast-paced maintenance, structural repairs, and high-strength joining without the need for separate powders.



BARE BRONZE RODS

Our Bare Bronze range offers the traditional trade professional ultimate control over the brazing and braze-welding process. Comprising Manganese Bronze, Nickel Bronze, Tobin Bronze, and Silicon Bronze, these clean, low-fuming rods deliver exceptional bead control and high bond strength. Whether used with separate flux powders for gas torch applications or run bare for specialized TIG processes, this range is the premier choice for heavy-duty workshop maintenance, component rebuilding, and precision joining of steel, cast iron, brass, and bronze.



TIG RODS

Specially manufactured for high-precision Gas Tungsten Arc Welding (GTAW), our TIG range delivers high-purity, defect-free deposits under an inert gas shield. Featuring Stainless 316L for molybdenum-bearing and 300-series stainless steels, and Aluminium 5356 (nominal 5% Magnesium) for high-strength aluminium fabrication, these bare rods ensure excellent puddle fluidity and exceptional corrosion resistance. Optimized for clean, high-spec industrial fabrications where structural integrity and visual aesthetics are paramount.

THE NEW BLUESTRIKE RANGE: TAKING OUR RETAIL PORTFOLIO TO THE NEXT LEVEL

We are proud to introduce a brand-new, premium packaging standard for the Bluestrike range—a major evolution designed to elevate our retail portfolio and give trade professionals unmatched choice and flexibility on the floor. With 9 premium product types spanning 25 distinct variations in rod diameters and lengths, Bluestrike offers an extensive selection tailored to any welding or brazing application. To ensure you only buy what you need, this powerhouse range is structured across three convenient pack sizes.

Taking the retail shelf by storm, our convenient 5-rod and 1kg packs are now supplied in sleek, clear hang-sell tubes that make product identification effortless on the retail wall or workshop pegboard. Designed to command ultimate attention, this striking new presentation will make the CIGWELD brand completely unmissable in retail stores across the country. Depending on the specific alloy, these retail packs are available in practical 500mm and 750mm rod lengths for easy handling and precision control on smaller jobs.

For high-volume requirements, our bulk 5kg packs are supplied in the well-known, heavy-duty blue CIGWELD tubes. Available in a standard 1000mm length, this robust packaging provides maximum protection against workshop contamination, keeping your production-ready filler metals secure, organized, and instantly recognizable as the industry standard.





PRODUCT SELECTION GUIDE

PARENT MATERIAL

		MILD STEEL	STAINLESS	ALUMINIUM	CAST IRON	BRONZE
BLUESTRIKE PRODUCT	MANGANESE BRONZE (BARE/FLUX)	✓			✓	
	TOBIN BRONZE (BARE/FLUX)	✓				✓
	NICKEL BRONZE (BARE/FLUX)	✓	✓		✓	✓
	SILICON BRONZE (BARE)	✓	✓		✓	✓
	STAINLESS 316L		✓			
	ALUMINIUM 5356			✓		



BRASS

COPPER

APPLICATION NOTES

PREFERRED
WELDING
METHOD

Recommended for the braze welding of steel, cast iron and malleable irons. Not recommended for the joining of copper pipes which carry drinking water, salt water or high pressure gas lines.

Brazing



Recommended for the braze welding of selected brass and bronze alloys. It is also suitable for the non-critical brazing of mild steel in low stress applications. Not recommended for Cast Iron.

Brazing



Recommended for the high strength braze welding of steel, cast and malleable irons. It is also an excellent choice for the fusion welding of Copper based alloys of similar composition and for the brazing of Nickel based alloys where high temperatures are allowable.

Brazing



Recommended for the braze welding of copper, brass, copper-silicon and copper-zinc sheet, tube and extruded section base metals to themselves and also to steel.

TIG

Recommended for the Gas or Gas Tungsten Arc (TIG) welding of Molybdenum bearing stainless steels; in particular matching 316 and 316L alloys as well as 302 and 304 and ferritic stainless steels grades such as 409, 444 and 3Cr12.

TIG

Suitable for the Gas or Gas Tungsten Arc (TIG) welding of a wide range of cast and wrought Aluminium alloys including 3XXX, 5XXX, 6XXX and 5XX Aluminium alloys.

TIG

BARE BRAZING RODS



MANGANESE BRONZE

Bluestrike Manganese Bronze is a low-fuming, general-purpose brazing rod engineered for high-strength workshop maintenance and repair. Featuring exceptional bond and transverse tensile strength, it is highly recommended for the dependable braze-welding of steel, cast iron, and malleable iron.

This alloy is not recommended for joining copper pipes that transport hot water or seawater, as dezincification can compromise the alloy and cause joint failure. For these specific applications, Bluestrike Tobin Bronze or Bluestrike FC Tobin Bronze should be utilized to ensure maximum joint integrity.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
321181	1.6mm	750mm	5 Rod	AS1167.Parts 1 & 2: R Cu Zn-C AWS/ASME-SFA A5.8/A5.27: RB Cu Zn-C
321194	1.6mm	750mm	1kg	
321195	1.6mm	1000mm	5kg	
321182	2.4mm	750mm	5 Rod	
321198	2.4mm	750mm	1kg	
321199	2.4mm	1000mm	5kg	
321183	3.2mm	750mm	5 Rod	
321201	3.2mm	750mm	1kg	
321202	3.2mm	1000mm	5kg	
321184	5.0mm	750mm	5 Rod	
321200	5.0mm	750mm	1kg	
321203	5.0mm	1000mm	5kg	



TOBIN BRONZE

Bluestrike Tobin Bronze is a low-fuming alloy recommended for the fusion welding and braze-welding of selected brass and bronze alloys. It is also highly suitable for the non-critical brazing of mild steel in low-stress applications, such as the cosmetic filling of automotive body panels.

This product is ideal for achieving dependable joints in matching copper-base alloys. For applications requiring higher strength when braze-welding ferrous metals, Bluestrike Manganese Bronze remains the preferred filler rod within the range.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
321192	1.6mm	750mm	5 Rod	AS1167.Parts 1 & 2: R Cu Zn-A AWS/ASME-SFA A5.8/A5.27: RB Cu Zn-A
321245	1.6mm	750mm	1kg	
321246	1.6mm	1000mm	5kg	
321193	2.4mm	750mm	5 Rod	
321248	2.4mm	750mm	1kg	
321247	2.4mm	1000mm	5kg	
321196	3.2mm	750mm	5 Rod	
321229	3.2mm	750mm	1kg	
321249	3.2mm	1000mm	5kg	
321197	5.0mm	750mm	5 Rod	
321205	5.0mm	750mm	1kg	
321250	5.0mm	1000mm	5kg	

BARE BRAZING RODS



NICKEL BRONZE

Bluestrike Nickel Bronze (frequently termed Nickel Silver) is a premium-quality bronze filler rod engineered for the high-strength braze-welding of steel, cast iron, and malleable iron. It is also an excellent choice for the fusion welding of copper-based alloys of similar composition, as well as the brazing of nickel-based alloys where higher operating temperatures are allowable.

Widely regarded as the premier maintenance brazing alloy due to its exceptional strength and wear resistance, Bluestrike Nickel Bronze produces joints in mild steel that reliably exceed the strength of the parent metal under destructive testing. This superior wear resistance makes it ideal for rebuilding worn ferrous components, including gear teeth, valve seats, bearings, and shafts.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
321185	1.6mm	750mm	5 Rod	AS1167.Parts 1 & 2: R Cu Zn-D AWS/ASME-SFA A5.8/A5.27: RB Cu Zn-D
321206	1.6mm	750mm	1kg	
321207	1.6mm	1000mm	5kg	
321189	2.4mm	750mm	5 Rod	
321227	2.4mm	750mm	1kg	
321224	2.4mm	1000mm	5kg	
321190	3.2mm	750mm	5 Rod	
321228	3.2mm	750mm	1kg	
321225	3.2mm	1000mm	5kg	



SILICON BRONZE

Bluestrike Silicon Bronze is a premium-quality, general-purpose filler rod engineered to produce high-strength joints when welding copper, brass, copper-silicon, and copper-zinc components to themselves or to steel. It is highly effective across sheet, tube, and extruded sections, offering superior corrosion resistance and high tensile strength for demanding marine engineering, fabrication, and hot water system applications.

This alloy features exceptionally low thermal conductivity, eliminating the need for preheating during operation. Additionally, the deoxidizing effect of the silicon creates a protective glassy oxide skin over the weld pool, while a narrow hot-short range (800°C-950°C) directly below the solidus ensures excellent weld puddle control and integrity.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
321208	1.6mm	750mm	5 Rod	AS1167.Parts 1 & 2: R Cu Si-A AWS/ASME-SFA A5.8/A5.27: RB Cu Si-A
321254	1.6mm	750mm	1kg	
321255	1.6mm	1000mm	5kg	
321209	2.4mm	750mm	5 Rod	
321258	2.4mm	750mm	1kg	
321259	2.4mm	1000mm	5kg	
321210	3.2mm	750mm	5 Rod	
321294	3.2mm	750mm	1kg	
321295	3.2mm	1000mm	5kg	

FLUX COATED BRAZING RODS



FLUX COATED MANGANESE BRONZE

Bluestrike FC Manganese Bronze is a premium, self-fluxing, low-fuming brazing rod engineered for high-strength workshop maintenance and repair. Featuring a built-in flux coating and exceptional transverse tensile strength, it eliminates the need for manual fluxing and is highly recommended for the dependable braze-welding of steel, cast iron, and malleable iron.

This alloy is not recommended for joining copper pipes that transport hot water or seawater, as dezincification can compromise the alloy and cause joint failure. For these specific applications, Bluestrike Tobin Bronze or Bluestrike FC Tobin Bronze should be utilized to ensure maximum joint integrity.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
323180	2.4mm	500mm	5 Rod	AS1167.Parts 1 & 2: R Cu Zn-C AWS/ASME-SFA A5.8/A5.27: RB Cu Zn-C
323181	2.4mm	500mm	1kg	
323182	2.4mm	1000mm	5kg	
323190	3.2mm	750mm	5 Rod	
323191	3.2mm	750mm	1kg	
323192	3.2mm	1000mm	5kg	



FLUX COATED NICKEL BRONZE

BlueStrike FC Nickel Bronze (sometimes termed Nickel Silver) is a 'self fluxing' Nickel bronze filler rod recommended for the high strength braze welding of steel and cast or malleable irons.

It is also an excellent choice for the fusion welding of Copper based alloys of similar composition and for the brazing of Nickel based alloys where high temperatures are allowable.

Because of its high strength and excellent wear resistance, BlueStrike FC Nickel Bronze is regarded as the number one maintenance brazing alloy. It produces joints in mild steel which, when tested to destruction, fail in the parent metal. Its superior wear resistance makes it ideal for the build up of worn ferrous metal components including gear teeth, valve seats, bearings and shafts etc.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
323200	2.4mm	500mm	5 Rod	AS1167.Parts 1 & 2: R Cu Zn-D AWS/ASME-SFA A5.8/A5.27: RB Cu Zn-D
323201	2.4mm	500mm	1kg	
323202	2.4mm	1000mm	5kg	
323210	3.2mm	750mm	5 Rod	
323211	3.2mm	750mm	1kg	
323212	3.2mm	1000mm	5kg	



FLUX COATED TOBIN BRONZE

Bluestrike FC Tobin Bronze is a low-fuming, self-fluxing filler rod recommended for the fusion welding and braze-welding of selected brass and bronze alloys. Featuring a built-in flux coating that eliminates the need for manual fluxing, it is also highly suitable for the non-critical brazing of mild steel in low-stress applications, such as the cosmetic filling of automotive body panels.

This product is ideal for achieving dependable joints in matching copper-base alloys without requiring a separate flux. For applications requiring higher strength when braze-welding ferrous metals, Bluestrike Manganese Bronze or Bluestrike FC Manganese Bronze remains the preferred choice within the range.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
323220	2.4mm	500mm	5 Rod	AS1167.Parts 1 & 2: R Cu Zn-A AWS/ASME-SFA A5.8/A5.27: RB Cu Zn-A
323221	2.4mm	500mm	1kg	
323222	2.4mm	1000mm	5kg	
323230	3.2mm	750mm	5 Rod	
323231	3.2mm	750mm	1kg	
323232	3.2mm	1000mm	5kg	

TIG RODS



BLUESTRIKE 316L

Bluestrike 316L is a premium, low-carbon stainless steel filler rod engineered for high-quality TIG (GTAW) or gas welding. It is specifically formulated for molybdenum-bearing stainless steels, providing an optimal metallurgical match for 316 and 316L alloys.

Beyond matching applications, this versatile rod is highly suitable for the general welding of other 300-series austenitic stainless steels, including 302 and 304. It also delivers reliable performance when joining ferritic stainless steel grades such as 409, 444, and 3Cr12.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
321321	1.6mm	500mm	5 Rod	AS1167.2: R316L AWS/ASME-SFA A5.9: ER316L
321320	1.6mm	500mm	1kg	
321323	1.6mm	1000mm	5kg	
321324	2.4mm	500mm	5 Rod	
321322	2.4mm	500mm	1kg	
321325	2.4mm	1000mm	5kg	



BLUESTRIKE AL5356

Bluestrike AL5356 is a high-quality, nominal 5% magnesium alloy filler rod designed for the premium TIG (GTAW) or gas welding of a diverse range of cast and wrought aluminium alloys. Engineered for high performance, it delivers intermediate deposit strength combined with excellent ductility and corrosion resistance. This versatile product is highly suitable for welding popular 3XXX, 5XXX, 6XXX, and 5XX series aluminium alloys.

P/N:	DIA.	LENGTH	PACK SIZE	CLASS
321326	1.6mm	500mm	5 Rod	AS1167.2: R5356 AWS/ASME-SFA A5.10: ER5356
321328	1.6mm	500mm	1kg	
321327	1.6mm	1000mm	5kg	
321329	2.4mm	500mm	5 Rod	
321330	2.4mm	500mm	1kg	
321331	2.4mm	1000mm	5kg	
321333	3.2mm	500mm	5 Rod	
321332	3.2mm	500mm	1kg	
321335	3.2mm	1000mm	5kg	



CIGWELD

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CIGWELD Pty Ltd An ESAB Brand 71 Gower Street, Preston VIC 3072 Australia
CUSTOMER CARE: Tel: 1300 654 674 | Intl Tel: +61 9474 7400
Email: support@CIGWELD.com.au



CIGWELD.COM.AU

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