

**Advanced Alloys Limited** Unit 17, Parham Drive, Boyatt Wood Industrial Estate, Eastleigh, Hampshire SO50 4NU  
 Telephone: 023 8061 8891 Fax: 023 8061 1481 [www.advancedalloysltd.co.uk](http://www.advancedalloysltd.co.uk)

Advanced Alloys Ltd is an established Company formed in 1988 as a specialist stockist of Copper Alloy Products.  
 We have over 30 years experience with knowledgeable staff that are able to assist with your requirements, also offering technical help and appropriate sales experience.

Copper Tubes	Copper Alloys	Brass	Bronze	Zinc	Cupro - Nickle Aluminium Brass	Value Added Services
BSEN 12451	C101 Cu-ETP CW004A	CZ121 CW614N	PB1 CW481K / C91700	BSEN 18001 K	90/10 CN102 / CW352H	
BSEN 12450	C103 Cu-OF CW008A	CZ122 CW617N	PB102 CW451K / C51000	BSEN 1179Z2	70/30 CN107 / CW354H	
BSEN12449	C106 Cu-DHP CW004A	CZ114 CW721R	PB104 CW453K / C52400	ASTM B418 Type 2	CZ110 / CW702R	
BSEN13348		CZ112 CW712R	SAE 660 CC497K / C93200			
BSEN12735-1		CZ131 CW606N	LG1 CC490K / C84400			
BSEN12735-2		CZ108 CW508L	LG2 CC491K / C86300			
		CZ120 CW608N	LB4 CC491K / C93500			
		CZ131 CW606N	CA104 CW307G / BSB23 / DTD197A			
			DEF Stan 02-833 / NES 833 / DGS 1043			
			DEF STAN 02-834 / NES 834 / DGS 1044			
			AB2 / CC333G			

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C106 - Soft in Coil 1/8" od - 7/8" od Various wall thicknesses. Metric Dimensions also available	C101 HDHC Solids / Flats, Square / Hexagon.	CZ121 / CZ122 / CZ114 / Bars / Rectangles / Square / Hexagon / Angle / Tee Section.	PB1 / PB102 / PB104 / Solids / Rectangles / Square / Flats.	Sheet 8ft x 3ft 2mtr x 1mtr 0,5mm - 2,00mm Other on sizes on Application	Tubes 90/10, 70/30 Various Dimensions on Application	Guillotine
C106 Half Hard / Hard Condition 1/8" OD Various wall thickness Metric Dimensions also available	C103 Oxygen Free	CZ108 - Tube Half Hard Round/Square	SAE660 / LG2 / LG4 / LB4 Leaded Bronze Solid & Hollows	Bar Extruded & Cast 25mm - 280mm Dia	Tubes CZ110 Various Dimensions on Application	Automatic Band Saw
C106 Low Finned intergron	C106 Sheet Half Hard / Soft 2mtr x 1mtr / 2400 x 1250 / 8ft x 4ft. Various thicknesses available	CZ108 Soft & Hard / CZ106 Soft & Half Hard Sheets available Plain / Polished one side or both. 2mtr x 1mtr / 2500 x 1250 / 8ft x 4ft. Various thicknesses available	PB102 Sheet & Plate			Laser Cutting
C106 Capillary	C101 HDHC Plate	CZ108, Strip Soft, Half Hard	CA104 / NES 833 Nickel Aluminium Bronze. Solids / Hexagons			Water-jet Cutting
C106 Skin Hard	C106, C101 Strips Soft / Half Hard Various Dimensions on application.	CZ121 Hollows				Plasma Cutting
CuFe2P Copper Iron						Hole Punching
C106 LWC Coils						Tube Manipulation
						Delivery

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## Tubes

BSEN 12451 - Copper and Copper Alloys - Seamless round tubes for heat exchangers  
BSEN 12450 - Copper and Copper Alloys - Seamless round copper Capillary tubes  
BSEN12449 - Copper and Copper Alloys - Seamless Tubes for General purposes  
BSEN13348 - Copper and Copper Alloys - Seamless, round copper tubes for medical gases or vacuum  
BSEN12735-1 - Copper and Copper Alloys - Seamless Round Tubes for Air Conditioning and refrigeration Part 1: Tubes for piping systems  
BSEN12735-2 - Copper and Copper Alloys - Seamless Round Tubes for Air Conditioning and refrigeration Part 2: Tubes for equipment

## Copper

C101 Cu-ETP CW004A - Electrolytic Copper, Tough Pitch, High Conductivity Copper  
C103 Cu-OF CW008A - Phosphor - De-oxidised Copper  
C106 Cu-DHP CW004A - Oxygen Free Copper High Conductivity Copper

## Brass

CZ121 - CuZn39Pb3 - Free Machining Brass, extruded  
CZ122 - CuZn39AlFeMn - High Tensile Brass, extruded  
CZ114 - CuZn36Sn1pb - Naval brass, rolled & extruded  
CZ112 - CuZn40pb2 - Stamping brass, extruded  
CZ131 - CuZn37pb2 - Turning & riveting brass, extruded  
CZ108 - CuZn37 - Basis brass, rolled  
CZ120 - CuZn38pb2 - Engraving brass, rolled  
CZ131 - CuZn36pb2As - Dezincification resistant brass, extruded

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## Bronze

PB102 - General Purpose Phosphor Bronze for engineering Components  
PB104 - High Strength Phosphor Bronze with excellent wear resistant  
PB1 - Concast leaded bronze for medium / heavy load bearings  
LG1 - Leaded Gun metal modest strength for pumps, valves and bearings  
LG2 - Leaded Gun metal range  
SAE 660 - Leaded bronze used for bearings, medium speeds and pressure  
CA104 - Nickel Aluminium Bronze very high strength and corrosion resistance  
DEF STAN 02-833 - MOD Al bronze very high corrosion resistance & good impact strength  
DEF STAN 02-834 - MOD Silicone bronze with controlled low magnetism  
AB2 - Cast Aluminium bronze with a very high corrosion resistance

## Zinc

US MIL-A-18001K - Internationally accepted and preferred alloy for general use in sea water brackish water and other saline solutions  
ASTM Type II - Used for anodes in potable waters and other environments