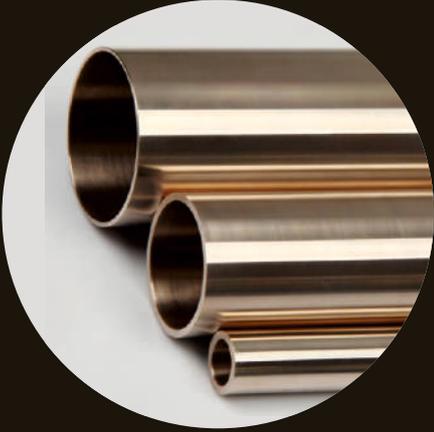
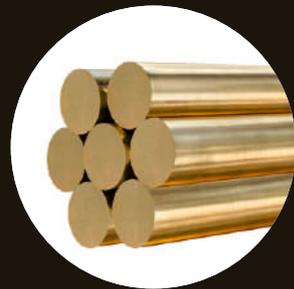




CUNIMET[®]
ALLOYS PVT. LTD.



Manufacturer of Copper Alloys,
Bronze Alloys & Brass Alloys



Copper Alloys Rod and Fitting Production

Cunimet Alloys is a leading manufacturer of copper alloy, Bronze alloy and Brass Aluminum alloy products, including Copper Nickel, Cunifer, Aluminium Brass, Bronze, Admiralty Brass, Naval Brass, Forging Brass, Tellurium Copper, and Nickel Silver.

Our alloys are widely used in Aerospace Heat Exchangers, Power Plants, Shipbuilding, Refineries, Defense, Electrical & Marine applications, offering strength, corrosion resistance, and reliability.

Cunimet alloys is specialized in Rod and fitting & Production. The result of more than 20 Years of company history is experience, Reflected in the quality of out products.

Our Intention of Cunimet is the protection and development of this quality.

With decades of expertise, global recognition, and a commitment to quality and innovation, Cunimet Alloys continues to serve industries in India and worldwide.





CUNIMET[®]
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High performance copper alloys for electronics

The range of high quality copper – brass – and bronze alloys guarantees high electrical conductivity combined with optimal properties in tensile strength and mechanical deformation.

Copper alloys for electrical engineering

High conductivity copper and copper alloys for the electrical industry are used for electromechanical components.

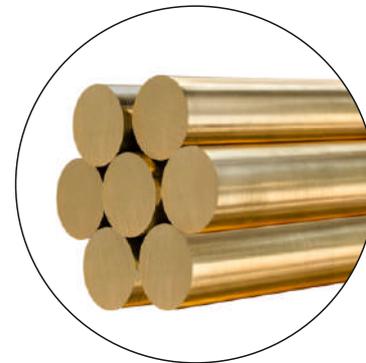


Copper alloys for drilling and turning

The requirement for drilling and turning properties in combination with the individual application, are determined with respect to copper, zinc and lead content.

Brazing and Welding Fillers

Brazing is different from welding in that it uses filler (solder) that has a lower melting point than the basic materials; therefore the basic materials are not melted.



Alloys for the Stationery Industry

LbaG develops and manufactures special copper alloys for the writing instruments industry.

Miniature Profiles

Miniature profiles are primarily used in precision engineering, medical technology, electronic components and in the optical industry.



Material Grade



CUNIMET[®]
ALLOYS PVT. LTD.

ISO	EN-Nr.	UNS	Properties	
			Electrical conductivity	Machinability
<i>Pure copper</i>				
Cu-OF	CW008A	C10200	100 % IACS	20
SC-Cu	CW020A		100 % IACS	20
Cu-ETP	CW004A	CI 1000	100 % IACS	20
<i>Unleaded brass</i>				
CuZn40	CW509L	C28000	26 % IACS	70
CuZn40		C38000	26 % IACS	80
CuZn42	CW510L		26 % IACS	80
CuZn40	CW509L	C28000	26 % IACS	70
CuZn37	CW508L	C27200	26 % IACS	40
CuZn36	CW507L	C27000	27 % IACS	30
CuZn30	CW505L	C26000	28 % IACS	25
CuZn30	CW505L	C26000	28 % IACS	25
CuZn20	CW503L	C24000	33 % IACS	25
CuZn15	CW502L	C23000	36 % IACS	25
CuZn5	CW500L	C21000	57 % IACS	25
CuZn20	CW503L	C24000	33 % IACS	25
CuZn15	CW502L	C23000	36 % IACS	25
CuZn10	CW501L	C22000	45 % IACS	25
CuZn5	CW500L	C21000	57 % IACS	25
<i>Leaded brass</i>				
CuZn39Pb3	CW614N	C38500	25 % IACS	100
CuZn39Pb3	CW614N	C38500	25 % IACS	100
CuZn39Pb3	CW614N	C38500	25 % IACS	100
CuZn38Pb2	CW608N	C37700	28 % IACS	85
			23 % IACS	80
CuZn38Pb2	CW608N	C37700	28 % IACS	80
CuZn36Pb3	CW603N	C36000	26 % IACS	100
CuZn35Pb2	CW601N	C34500	25 % IACS	80
CuZn35Pb2	CW601N	C34500	25 % IACS	80
<i>Naval Brass</i>				
CuZn365nLPb	Cz112	C46200	26 % IACS	30
CuZnC112	Cz112	C46200	26 % IACS	30
CuZnC112	Cz112	C48500	26 % IACS	30

ISO	EN-Nr.	UNS	Properties	
			Electrical conductivity	Machinability
<i>Welding and brazing</i>				
CuZn40MnSi	CF726R			20
CuZn39Mn1SiSn	CF728R			20
<i>Special Brass for automotive applications</i>				
CuZn35Ni3Mn2AlPb	CW710R			80
CuZn37Mn3Al2PbSi	CW713R			80
<i>Nickel-silver</i>				
CuNi15Zn23Pb2			8 % IACS	85
CuNi7Zn39Pb3Mn2	CW400J		5 % IACS	95
CuNi7Zn39Pb3Mn2	CW400J	C79860	7 % IACS	90
CuNi11Zn37Mn5Pb2		C79860	5 % IACS	90
CuNi10Pb2	CW402J		7 % IACS	85
CuNi12Zn38Mn5			5 % IACS	70
CuNi7Zn42				85
<i>Tin Bronze leaded and unleaded</i>				
CuSn5Pb1	CW458K	C53400	20 % IACS	60
			43 % IACS	20
CuSn4	CW450K	C51100	21 % IACS	25
CuSn4Pb4Zn4	CW456K	C54400	19 % IACS	90
CuSn5	CW451K	C51000	17 % IACS	20
CuSn6	CW452K	C51900	16 % IACS	25
CuSn8	CW453K	C52100	13 % IACS	30
<i>Low alloyed copper</i>				
CuNi1Pb1P		C19160	50 % IACS	70
CuNi1Pb1P		C19140	50 % IACS	60
CuNi1P	CW108C	C19000	50 % IACS	60
CuPb1P		C18700	85 % IACS	60
CuNi1Si	CW109C	C70260	24 % IACS	80
<i>Nickel Aluminum Brass</i>				
CuAl10Se4	Ca104 CW307G	C63000	By % IACS	
CuAl11NiSe4	CW308G	C63020	By % IACS	



NC2
CuAl₉Ni₅Fe₄



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NC2 is a nickel-aluminum-bronze (CuAl₉Ni₅Fe₄) alloy designed for Marine applications. It is resistant to sea-water corrosion, saline mist and oxidation.

Admiralty Brass Tubes

Product Application Areas:

Heat Exchangers, Refineries Power Plants, Desalination Plants, Ship Building & Ship Repairs, Condensers, Ferrules, Distillers.



GUIDE TO SELECTION OF TUBE MATERIAL:

River or Sea water -

- Dissolved salts less than 2000 ppm
- Chloride less than 20 ppm
- H₂S and Ammonia is less than 1 ppm
- Suspended solids less than 25 ppm
- For temperature more than 200 degree C and less than 450 degree C.

Standard	Symbol
ASTM B 111	C 44300
BS 2871 Part 3	CZ - 111
EN 12451	CuZn28 Sn1As
NFA 51 102	CuZn29Sn1
JIS H 3300	C 4430

Aluminium Brass Tubes

Product Application Areas:

Heat Exchangers, Refineries Power Plants, Desalination Plants, Ship Building & Ship Repairs, Condensers, Ferrules, Distillers.

Permissible average velocity of water 1.8 to 2.0 meter / sec



GUIDE TO SELECTION OF TUBE MATERIAL:

Clear river, Lake or Canal water -

- Dissolved salts more than 2000 ppm
- Chloride less than 20 ppm
- H₂S and Ammonia is less than 1 ppm
- Suspended solids less than 25 ppm
- For temperature more than 200 degree C and less than 450 degree C

Standard	Symbol
ASTM B 111	C 68700
BS 2871 PART 3	CZ - 110
EN 12451	CuZn20 AL2As
NFA 51 102	CuZn22 Al2
JIS H - 3300	C 6870

Permissible average velocity of water 2.0 to 2.5 meter / sec

Aluminium Bronze Tubes

Product Application Areas:

Heat Exchangers in Chemical Industry, Desalination Plants, Refineries, Ship Building & Ship Repairs.

Standard	Symbol
ASTM B 111	C60800
EN 12451	CuAl5As CW200G



Size Range - Tubes

Tube Sizes in Copper Nickel Alloys (C704, C706, C710, C715, C71640)

CONDENSER / HEAT EXCHANGER APPLICATION				GENERAL ENGINEERING APPLICATION			
OD		WT		OD		WT	
6.35 mm	30 mm	0.40 mm	2.5 mm	30 mm	159 mm	1.0 mm	4.5 mm
0.25	1.181	0.019	0.098	1.181	5.236	0.039	0.177

Tube Sizes in Copper and Brass Alloys (C443, C687, C260, C270)

CONDENSER / HEAT EXCHANGER APPLICATION				GENERAL ENGINEERING APPLICATION			
OD		WT		OD		WT	
6.35 mm	30 mm	0.71 mm	3.0 mm	30 mm	184 mm	1.0 mm	3.5 mm
0.25	1.181	0.027	0.118	1.181	7.244	0.039	0.137

70/30 Brass Tubes

Product Application Areas:

Sugar Industry, Plumbing, Furniture, General Engineering, Ammunition, Bore Hole Tubes

Standard	Symbol
ASTM B 135	C 26000
BS 2871 Part 3	CZ - 126
EN 12451	CuZn30As
NFA 51 102	CuZn30
JIS H 3300	C 2600
AS 1572	26130



63/37 Brass Tubes

Product Application Areas:

General Engineering, Ammunition, Bore Hole Tubes, Architectural Grill

Standard	Symbol
ASTM B 135	C 27200
JIS H 3300	C 2700
DIN 17671	CuZn37



Naval Brass Tubes

Product Application Areas:

Marine, Defense, Bushes

Standard	Symbol
ASTM B 21	C 46400
BS 2874	CZ - 112
DIN 17665	CuZn40Sn

90/10 Brass Tubes

Product Application Areas:

Defense, Bushes, Driving Bands

Standard	Symbol
ASTM B 111	C 22000
EN 12451	Cu Zn10

Copper & Copper Alloy

Cast, Extruded and Drawn Semis (Hollows, Sections, Profiles and Rods)

ALLOY		RELATED STANDARDS APPLICATIONS
COPPER NICKEL		
90/10 Copper Nickel C70600 70/30 Copper Nickel C71500	NES 780 Pt. 2, MIL C 15726 F, ASTM B 151, EN 12163	Marine Hardware, Flanges, Oil & Gas Application, Welding Rings
NICKEL SILVER		
N.S.104, C74500 N.S.105, C75200 N.S.106, C75200 N.S.107, C76400 CW403J CW409J	ASTM B151 EN 12163	Guards, Pins, nuts, Automobile parts, Springs, Zippers, Musical Instruments, Spectacles, Ammunition
ALUMINIUM BRONZE		
CA 103 CA 104 C 63000	ASTM B 105 EN 12163 BS 2874	High Pressure Valve, Gears, Valve Marine Pumps, Marine Hardware Bearing cages Bushings.
MANGANESE BRONZE		
CuZn40A12 MBA 2 MBA 2 - Cr MBA 2 - Co	DIN 17660 CY - 1 CY - 2	Synchronizer Rings for Automobiles
PHOSPHOR BRONZE		
P.B.4% CuSn4 P.B.5% CuSn5 P.B.6% CuSn6 P.B.8% CuSn8 P.B.10%	EN 12166 ASTM B 139	Washers, Fasteners, Switch Parts, Electrical Connectors, Electronic & Precision Equipment Parts, Welding Rods, Springs
BRASSES		
95/5 Br.C21000 90/10 Br. C22000 80/20 Br. C23000 70/30 Br. C26000 63/37 Rr. C27400 Naval Br. C46400	BS 2874 ASTM B 21, B 135, B 43 DIN 17665 JIS H3250	Condenser Components, Marine hardware, Welding Rods, Rivet, Valves, Piston, Rods.
TELLURIUM COPPER		
C 14510	ASTM B301 BS 2874	Electric Connectors, Switchgear Components, Gas Cutting Nozzles

Size Range: 6.00mm to 250.00mm

ALUMINUM BRONZE TUBE FITTINGS MANUFACTURER, SUPPLIER & EXPORTER IN INDIA

Cunimet Alloys is a leading manufacturer, supplier, and exporter of Aluminum Bronze Tube Fittings in India, offering high-strength, corrosion-resistant fittings engineered for performance in marine, aerospace, petrochemical, and heavy-duty Industrial environments.



Known for their excellent resistance to seawater, erosion, and high mechanical wear, our Aluminum Bronze fittings are trusted across industries that demand durability and reliability.

We provide Aluminum Bronze Tube Fittings in premium grades C95400, C95500, and C95800, each designed to meet specific mechanical and environmental requirements. These fittings combine strength, ductility, and corrosion resistance, making them the go-to solution for demanding applications.



Wide Range Of Aluminum Bronze Tube Fittings



Aluminum Bronze C95400 Tube Fittings

As a certified Aluminum Bronze C95400 tube fittings manufacturer, supplier, and exporter in India, Cunimet Alloys offers fittings with excellent wear resistance and strength. With a high aluminum content, C95400 is ideal for heavy-load applications and marine equipment exposed to saltwater.

Aluminum Bronze C95500 Tube Fittings

Cunimet Alloys delivers Aluminum Bronze C95500 tube fittings, a nickel-aluminum bronze grade that offers superior strength and toughness compared to C95400. It performs exceptionally in aerospace, petrochemical, and offshore environments where reliability under stress is critical.



Aluminum Bronze C95800 Tube Fittings

As a trusted Aluminum Bronze C95800 tube fittings manufacturer, supplier, and exporter in India, Cunimet Alloys provides this marine-grade alloy known for outstanding resistance to seawater corrosion, cavitation, and stress cracking. C95800 is extensively used in naval, offshore, and desalination plant applications.



Quality

Cunimet alloys develops for all its activities a formally recognized quality management system which allows to:

- guarantee the traceability of our products, from raw material to the product delivered
- certify our products properties
- control our delivery times

Our state-of-the-art quality-check equipment include:

- **Metallurgical tests** such as traction, resilience, hardness, bending and others
- **Non destructive tests** such as Magnetic Particle Inspection (MPI), ultrasonic contact testing, liquid penetrant Inspection and others
- **Metrology, geometry and surface tests** such as surface metrology, global DEA, profile projectors and others



Our certifications

All our certificates can be consulted on our website

General certifications



Markets and applications

Aerospace



- Bearings and bushings
- Mechanical parts
- Rings

Marine & Defence



- Distributor bodies
- Marine trees
- Screws



CUNIMET[®]
ALLOYS PVT. LTD.

Complete Solution in Copper Alloys, Bronze Alloys and Brass Alloys

Plot No.17A Parshwa Industries Park ,Behind New Gidc, Dehari Umbergaon 396170

Mobile No. :- +91 84548 55505

Email :- sales@cunimet.com, sales@cunimetalloys.com

Web :- www.cunimet.com, www.cunimetalloys.com