



GOVIND METAL CO.

SPECIALIST : COPPER ALLOYS



GOVIND METAL CO.

COPPER ALLOYS FOR
AEROSPACE

MARINE / NAVY / SHIPBUILDING

OIL & GAS

POWER / ELECTRICAL

AUTOMOTIVE

ENGINEERING / EARTHMOVING

We Govind Metal CO are leading manufacturer & exporter of copper alloys for 40 + year
In all international standards & specifications IS, JIS, ASTM, BS,
Defence standard, DIN, Mil, GAM, UNI and
customer specific requirements.



AEROSPACE

COPPER ALLOYS FOR AEROSPACE VERTICAL		
Major compositions	Main Standards	Alloy Family
CuAl10Ni5Fe4 C63000 , NC4	ASNA 3315, ASNA 3406 , AMS 4640 , ASTM B150 , NFL 14705	NICKEL ALUMINUM BRONZE
CuAl11Ni5Fe5 , CA104 , NC5	BSB 23 / DTD 197 ,NFL 14706	NICKEL ALUMINUM BRONZE
CuAl11Ni5Fe5, C63020	AMS 4590	NICKEL ALUMINUM BRONZE





NAVY MARINE SHIPBUILDING

COPPER ALLOYS FOR MARINE /NAVY PROJECTS		
Major compositions	Main Standards	Alloy Family
CuNi10Fe1Mn/NAVINIC 10	ASTM B151 -B171 -B466	NICKEL ALUMINUM BRONZE
	BS2874 CN102	
	NES 779	
	C70600 C70620	
	DIN 1755	
	DIN 17672	
CuNi30Mn1Fe/NAVINIC 30	ASTMB 151-171-B466- B467/C71500-C71520MIL T16420 K –MIL C 15726 -J AMS 4590	NICKEL ALUMINUM BRONZE
CuAl11Ni5Fe5, C63020		NICKEL ALUMINUM BRONZE
NES 833 PT2	DEF STANDARD	NICKEL ALUMINUM BRONZE
NES 747 PT2		
CuAl9Ni5Fe4 / NC 2	GAM MM11-GAMM MM13 NFL 14702	
LG4 BS1400	BS1400 , DIN	GUNMETAL
CUSN10		BRONZE
CUSN12NI		BRONZE/PH BRONZE
RG10		GUNMETAL
RG7 , RG5		GUNMETAL





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Aluminium Bronze Round Grades

- CA 104 BS2874
- NES 833 PART 2
(NAVAL ENGINEERING
STANDARDS)
- CuAl10Fe5Ni5
- CuAl10Fe2
- CuAl9
- CuAl10Ni3Fe2
- CuAl11Fe6Ni6
- C63000 ASTM B 150
- AB2 BS1400 / CC 333
G and custom grades
- AMS 4640 , AMS 4590
- GAM & Mil Standard
as per specs and
standards



COPPER ALLOYS INGOTS

- Nickel Aluminium Bronze/ALUMINUM BRONZE
- High Tensile Brass
- Gunmetal Phosphorus Bronze
- Silicon Bronze
- Tin Bronze PB2 , PB1 , CC484 K , RG10
- SPECIAL CUSTOMISED STANDARD FOR DEFENSE/NAVY / MARINE
- NES 747 PT2, LG4 BS1400, RG10
- All std grades and customised specs
- NES 833 PT2
- CA104 BS2874



COPPER-TIN ALLOYS (BRONZE)	COPPER-ALUMINUM ALLOYS (ALUMINUM BRONZE)	COPPER-ZINC ALLOYS (BRASS)
UNI EN 1982 CC491K (CuSn5Zn5Pb5-C)	UNI EN 1982 CC331G CuAl10Fe2-C)	OTS1 UNI 6138 (OTS2 FOR PROPELLERS)
UNI EN 1982 CC480K (CuSn10-C)	UNI EN 1982 CC334G (CuAl11Fe6Ni6-C)	UNI EN 1982 CC763S (CuZn32Al2Mn2Fe1-C)
UNI EN 1982 CC763S (CuZn32Al2Mn2Fe1-C)	ASTM B148 C95800 (CuAl10Fe5Ni5)	UNI EN 1982 CC766S (CuZn37Al1-C)
UNI EN 1982 CC483K (CuSn12-C)	ASTM B148 C95500	
UNI EN 1982 CC766S (CuZn37Al1-C) UNI EN 1982 CC766S (CuZn37Al1-C) UNI EN 1982 CC766S (CuZn37Al1-C) UNI EN 1982 CC493K RG7 (CuSn7Zn4Pb7-C)		
UNI EN 1982 CC498K (CuSn6Zn4Pb2-C)		
UNI EN 1982 CC499K RG5 (CuSn5Zn5Pb2-C)		
ASTM B584 C83600		
ASTM B584 C90500		
ASTM B584 C92200		



NICKEL ALUMINUM BRONZE FASTNERS



- CA104 BS2874
- NES 833 PT2 as per defence standard
- FASTNERS FOR VARIOUS SPECS / SIZES AND QUALITY
- CA104 , NES 833 PT2 , C63000 & AB2
- MAJOR CUSTOMERS IN NAVY /SHIPBUILDING, OIL & GAS –FLUID CONTROL VERTICALS



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QUALITY POLICY

- **OUR CORE VALUES :-**

For over 40 + years of industry experience,
We are committed to deliver customer requirements .

- **EXCELLENCE IN QUALITY
CERTIFICATION :ISO 9001 :2015**

With world class in house testing facility third party
testing tie ups NABL Approved LAB across India

- **TRUST IN PARTNERSHIP**

Transparent business model with customer for long lasting
business relationship.



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