



ISO CERTIFIED COMPANY

# GANGA R ISPAT METALS



**"Innovation at Work. Excellence in Every Step."**

Ganga R Ispat Metals is a leading and distinguished manufacturer, exporter, and supplier of premium industrial raw materials, specializing in a wide range of non-ferrous metals and alloys. Material like Phosphor Bronze, Aluminium Bronze, Gun Metal, Brass, Cast Iron, Copper and Copper Alloy In the form Of Round, Bush, Flat, Plate, Square, Hexagonal and in other various forms.

# GANGA R ISPAT METALS

## About us:

Ganga R Ispat Metals is a premier manufacturer of Phosphor Bronze, Aluminium Bronze, Gun Metal Brass, Cast Iron, Copper, and Copper Alloy products, offering a comprehensive range of cast, extruded, and drawn components tailored to meet the highest industrial standards. With an in-house state-of-the-art foundry and fully equipped machine shop, we specialize in producing a wide variety of non-ferrous components as per custom specifications. Our facilities are designed to ensure precision, consistency, and quality at every stage of the manufacturing process.

Under the expert guidance and vision of our mentor, Mr. Narayan Choudhary, we have earned a reputable and distinct position in the industry. Our commitment to excellence, innovation, and customer satisfaction continues to drive our growth and success, both domestically and internationally.

## Our Vision:

To establish ourselves as a center of excellence in non-ferrous metal manufacturing by integrating visionary leadership with deep technical expertise. Our goal is to continually enhance our state-of-the-art facility—encompassing casting, extrusion, pilgering, cold drawing, finishing, inspection, and testing under one roof—to deliver precision-engineered solutions that exceed global industry standards. We are committed to innovation, quality, and operational efficiency that drive sustainable growth and customer trust worldwide.

## why us:

At Ganga R Ispat Metals, we don't just manufacture non-ferrous metal components — we engineer precision, reliability, and innovation into every product. Here's why industry leaders choose us:

- **State-of-the-Art Infrastructure:** Our fully integrated facility brings together casting, extrusion, pilgering, cold drawing, finishing, inspection, and testing—all under one roof—ensuring complete control over quality and production timelines.
- **Technical Expertise:** Backed by a team of skilled professionals and visionary leadership, we combine decades of experience with cutting-edge technology to deliver tailored solutions for the most demanding applications.
- **Uncompromising Quality:** From raw material selection to final inspection, our rigorous quality control processes guarantee products that meet and exceed global industry standards.
- **Customization & Flexibility:** We specialize in manufacturing to customer specifications, offering a wide range of alloys and product forms to suit diverse industrial needs.
- **Commitment to Innovation:** Continual investment in technology and process improvement enables us to stay ahead of the curve and offer next-generation solutions.
- **Global Trust:** With a reputation built on consistency, integrity, and customer satisfaction, we serve clients across domestic and international markets with pride.



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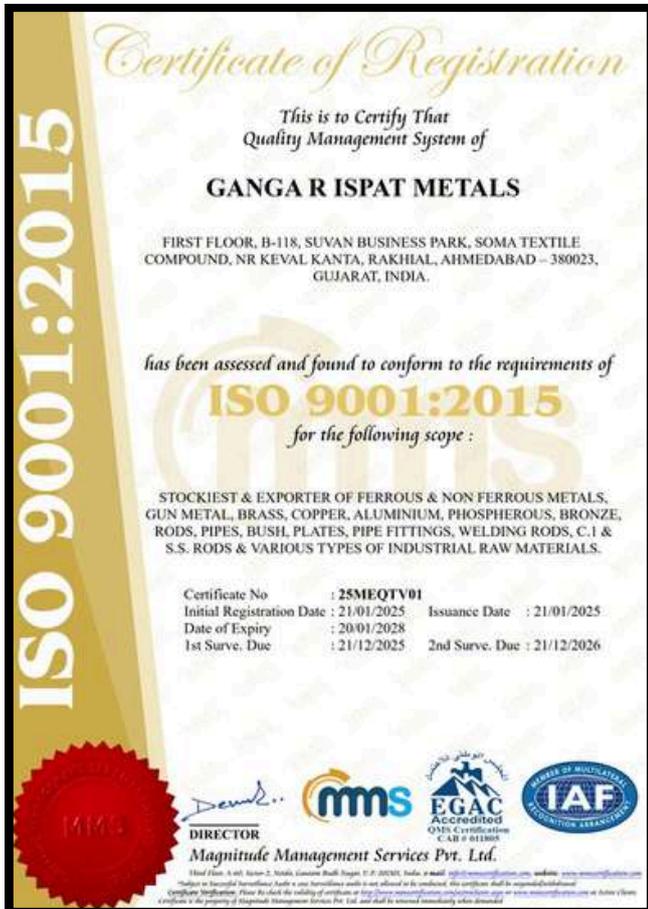
# GANGA R ISPAT METALS

## our team:

At Ganga R Ispat Metals, our success is driven by a dedicated team of over 40 experienced and skilled professionals who bring expertise, commitment, and precision to every aspect of our operations. Their unwavering focus on quality, reliability, and continuous improvement ensures that our manufacturing processes run seamlessly and efficiently. With their support, we have built lasting, trust-based relationships with clients across the country, earning a strong reputation for excellence and dependability in the non-ferrous metal industry.



## CERTIFICATION



UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER: UDYAM-MH-19-0007615

NAME OF ENTERPRISE: AASHAPURA INTERNATIONAL

S.No.	Classification Year	Enterprise Type	Classification Date
1	2025-26	Micro	01/04/2025
2	2024-25	Micro	27/04/2024
3	2023-24	Micro	09/05/2023
4	2022-23	Micro	26/06/2022

TYPE OF ENTERPRISE: MAJOR ACTIVITY: MANUFACTURING

SOCIAL CATEGORY OF ENTREPRENEUR: OBC

NAME OF UNIT(S):

S.No.	Name of Unit(s)
1	Aashapura International
2	GANGAR ISPAT METALS

OFFICIAL ADDRESS OF ENTERPRISE:

Flat/Door/Block No.	2ND FLOOR, 138/142	Name of Premises/ Building	AMAN HOUSE
Village/Town	GIRGAON	Block	OFFICE NO.12
Road/Street/Lane	3RD KUMBHARWADA	City	MUMBAI
State	MAHARASHTRA	District	MUMBAI, Pin-400004
Mobile	990857269	Email	aashapurat1@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 01/03/2019

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 01/03/2019

NATIONAL INDUSTRY CLASSIFICATION CODE(S):

S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	24	2420 - Manufacture of basic metals	24299 - Manufacture of other non-ferrous metals n.e.c.	Manufacturing

DATE OF UDYAM REGISTRATION: 07/09/2020

\* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2019 issued by the MoS MSME.

Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing: 28/06/2025.



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# EXTRUDED PRODUCTS

## COPPER

Copper is a soft, malleable, and ductile metal renowned for its exceptionally high thermal and electrical conductivity. Its unique combination of physical and chemical properties makes it an indispensable material across various industries. Copper is widely used as a conductor of heat and electricity, a fundamental building material in infrastructure and architecture, and a key component in the formulation of numerous metal alloys. Its versatility, durability, and efficiency continue to make copper a critical element in modern engineering and technological applications.



## COPPER NICKEL

Copper-Nickel, also known as Cupronickel, is an alloy primarily composed of copper and nickel, with the addition of strengthening elements such as iron and manganese. The copper content in these alloys typically ranges from 60% to 90%, depending on the specific grade and intended application. Copper-nickel alloys are highly valued for their excellent corrosion resistance, particularly in marine environments, as well as their mechanical strength, thermal stability, and anti-fouling properties, making them ideal for use in shipbuilding, desalination plants, and heat exchangers.



## BERYLLIUM COPPER

Beryllium Copper is a high-performance copper alloy known for its exceptional strength, electrical conductivity, corrosion resistance, and non-sparking, non-magnetic properties. Ideal for demanding applications, BeCu is widely used in aerospace, electronics, automotive, and oil & gas industries for components such as springs, connectors, and precision instruments. It combines the strength of steel with the conductivity of copper, making it perfect for critical environments.



## ALUMINIUM BRONZE

Aluminium Bronze is a distinct category of bronze in which aluminium serves as the principal alloying element combined with copper. This sets it apart from traditional bronze, which is primarily an alloy of copper and tin, and from brass, which consists of copper and zinc. Aluminium bronze is known for its excellent strength, corrosion resistance—especially in marine environments—and superior wear properties, making it ideal for demanding industrial and engineering applications.



## SILICON BRONZE

Silicon Bronze combines enhanced mechanical strength with the natural self-lubricating properties of silicon, resulting in excellent bearing and load-carrying capabilities. These attributes make it particularly well-suited for high-performance applications such as bearing cages, raceways, and spacers—especially in the aerospace industry, where durability, reliability, and resistance to wear are critical.



# CONTINUOUS CASTING PRODUCTS

## PHOSPHOROUS BRONZE

Phosphor Bronze is a member of the copper alloy family, composed primarily of copper alloyed with approximately 0.5% to 11% tin and 0.01% to 0.35% phosphorus. The addition of tin enhances the alloy's strength and corrosion resistance, while phosphorus improves wear resistance, stiffness, and fatigue strength. These combined properties make phosphor bronze ideal for applications requiring high performance and durability, such as electrical connectors, springs, bushings, and marine hardware.



## GUN METAL

Gunmetal, commonly known as gunmetal or G-metal, is a traditional bronze alloy that was historically used for ordnance. The modern formulation of admiralty gunmetal consists of approximately 88% copper, 10% tin and 2% zinc. This alloy is valued for its toughness and wear resistance and is typically specified for gears, bearings and other machine components that operate under heavy loads at low speeds. Primary applications: Gears, plain bearings, bushings and other components requiring good load-bearing capacity, resistance to wear and reliable performance at low rotational speeds.



## LEADED BRASS

Leaded brass is a copper-based alloy specifically engineered for its excellent machinability and resistance to atmospheric corrosion. The addition of lead enhances the machinability of brass by acting as a microscopic chip breaker and providing internal lubrication during machining processes.

Leaded brasses are widely used in screw machine applications, where high-speed, precision machining is required. These alloys offer a desirable combination of excellent machinability, good mechanical strength, and strong corrosion resistance.

### Common Applications:

- Screw machine parts
- Fittings and fasteners
- Plumbing components
- Electrical connectors



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# IS INDIAN STANDARD

Copper Alloys	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	SB	Impurities
Aluminium Bronze												
IS: 305-1981												
AB1	Rem.	0.1	0.03	0.5	1.5-3.5	1	-	8.5-10.5	1	0.25	-	0.3
AB2	Rem.	0.1	0.03	0.5	4.0-5.5	4.0-5.5	-	8.8-10.0	1.5	0.10	-	0.3
IS: 3091-1963												
Al. Bronze	Rem.	-	-	-	4.5	-	-	9.0-11.0	0.1-0.5	-	-	-
IS: 8631-1977												
Grade-1	Rem.	0.1	0.05	0.5	4.0-5.5	4.0-5.5	-	8.8-10	1	0.1	-	-
Tin Bronze												
IS: 1458-1965												
Pb. Bz. class-1	Rem.	6.0-8.0	0.5	0.5	0.3	-	0.4-0.6	0.01	-	-	0.1	0.6
IS: 28-1985												
Phosphorous Bz. (Grade-1)	Rem.	6.0-8.0	0.25	0.5	0.3	0.7	0.3-0.5	0.01	-	0.02	0.1	1.2
Phosphorous Bz. (Grade-2)	Rem.	10Min.	0.25	0.05	0.1	0.1	0.5Min.	0.01	-	0.02	-	0.6
Phosphorous Bz. (Grade-3)	Rem.	6.5-8.5	2.0-5.0	2	-	1	0.3Min.	-	-	-	-	0.5
Phosphorous Bz. (Grade-4)	Rem.	9.0-11	0.25	0.05	-	0.25	0.15	-	-	-	-	0.8
Phosphorous Bz. (Grade-5)	Rem.	11-13.1	0.5	0.3	0.15	0.5	0.15Min.	0.01	-	0.02	-	0.2
Gun Metal												
IS: 1458-1965												
Gunmetal Class-2	Rem.	5.0-7.0	1.0-3.0	2.0-3.0	0.3	-	0.05	0.01	-	-	0.1	0.6
IS: 318-1981												
LTB-1	Rem.	6.0-8.0	2.5-3.5	1.5-3	0.3	2	-	0.01	-	0.01	0.3	0.7
LTB-2	Rem.	4.0-6.0	4.0-6.0	4.0-6.0	0.35	2	-	0.01	-	0.02	0.4	0.8
Leaded Bronze												
IS: 1458-1965												
Leaded Bz. Class-3	Rem.	6.0-8.0	14-16	0.5	0.3	-	0.05	0.01	-	-	0.4	0.7
Leaded Bz. Class-4	Rem.	6.0-8.0	9.0-11	0.5	0.3	-	0.05	0.01	-	-	0.4	0.7
Leaded Bz. Class-5	Rem.	4.0-6.0	4.0-6	4.0-6	0.3	-	0.05	0.01	-	-	0.3	0.6
IS: 318-1981												
LTB-3	Rem.	6.0-8	9.0-11	0.75	0.35	2	-	0.01	-	0.02	0.5	0.8
LTB-4	Rem.	6.0-8	14-16	0.75	0.35	2	-	-	-	0.02	0.5	0.8
LTB-5	Rem.	9.0-11	8.5-11	1	0.35	2	-	0.01	-	0.02	0.5	0.8
LTB-6	Rem.	4.0-6	18-23	1	0.35	2	-	-	-	0.02	0.5	0.8
Silicon Bronze												
IS: 1028-1987												
Silicon Bronze	89Min.	1	0.5	5	2.5	-	-	0-1.5	0-1.5	1.5	-	-
Brass												
IS: 8631-1977												
Grade-2	55Min.	1	0.5	Rem.	0.7-2	1	-	0.5-2.5	3	0.1	-	-
IS: 292-1983												
LCB-1	70-77	1.0-3.0	2.0-5.0	Rem.	0.5	-	-	0.01	-	-	-	-
LCB-2	63-67	1.5	1.0-3.0	Rem.	0.5	-	-	0.01	-	-	-	-
High Tensile Brass												
IS: 304-1981												
HTB-1	55Min.	1	0.5	Rem.	0.7-2	-	-	0.5-2.5	3	0.1	-	0.2
HTB-2	55Min.	0.2	0.2	Rem.	1.5-3.25	-	-	3.0-6.0	4	0.1	-	0.2
Silicon Brass												
IS: 11109-1984												
Silicon Brass (Grade-1)	79Min.	-	0.5	12.5-16	0.3	-	-	0.5	-	3.2-5	-	0.5
Silicon Brass (Grade-2)	89Min.	-	0.5	4.5-7	0.3	-	-	-	-	3.7-5.5	-	0.5
Silicon Brass (Grade-3)	80-83	-	0.4	Rem.	0.3	-	-	0.5	-	4.1-4.7	-	0.5

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# BS BRITISH STANDARD -BS-1400

Copper Alloys	CU	SN	PB	ZN	FE	NI	P	AL	MN	SI	SB	S	BI	Cr	Impurities
<b>Aluminium Bronze</b>															
AB-1	Rem.	0.1	0.03	0.5	1.5-3.5	1	-	8.5-10.5	1	0.25	-	-	-	-	0.3
AB-2	Rem.	0.1	0.03	0.5	4-5.5	4-5.5	-	8.8-10	1.5	0.10	-	-	-	-	0.3
AB-3	Rem.	0.1	0.03	0.4	0.5-0.7	0.1	-	6-6.4	0.5	2-2.4	-	-	-	-	0.8
<b>Tin Bronze and Ni Tin Bronze</b>															
CT-1	Rem.	9.0-11.0	0.25	0.05	-	0.25	0.15	-	-	-	-	-	-	-	0.8
CT-2	85-87.3	11.2-13	0.2	0.4	0.15	1.5-2	0.05	0.01	0.2	0.01	0.1	0.05	-	-	0.8
G1(88/10/2)	Rem.	9.5-10.5	1.5	1.75-2.75	0.15	1	-	0.01	-	0.02	0.2	-	0.03	-	0.5
G3	Rem.	6.5-7.5	0.1-0.5	1.5-3	-	5.25-5.75	0.02	0.01	0.2	0.01	0.2	-	0.02	-	0.5
G3WP	Rem.	6.5-7.5	0.1-0.5	1.5-3	-	5.25-5.75	0.5	0.01	0.2	0.01	0.2	-	0.02	-	0.5
PB1	Rem.	10Min.	0.25	0.05	0.1	0.1	0.5Min.	0.01	-	0.02	-	-	-	-	0.6
PB2	Rem.	11.0-13.0	0.5	0.3	0.15	0.5	0.15Min.	0.01	-	0.02	-	-	-	-	0.2
PB4	Rem.	9.5Min.	0.75	0.5	-	0.5	0.4Min.	-	-	-	-	-	-	-	0.5
<b>Gun Metal</b>															
LG-1	Rem.	2-3.5	4.0-6.0	7-9.5	0.5	2	0.03	0.01	-	0.02	0.25	0.1	0.1	-	1
LG-2	Rem.	4.0-6.0	4.0-6.0	4.0-6.0	0.5	2	-	0.01	-	0.02	-	-	0.05	-	0.8
LG-4	Rem.	6-8.05	2.5-3.5	1.5-3.0	0.2	2	-	0.01	-	0.01	0.25	-	0.05	-	0.7
<b>Leaded Bronze</b>															
LB-1	Rem.	8.0-10.0	13-17	1	-	2	0.1	-	-	0.02	-	-	-	-	0.3
LB-2	Rem.	9.0-11.0	8.5-11	1	0.15	2	0.1	0.01	-	0.02	0.5	-	-	-	0.5
LB-4	Rem.	4.0-6.0	8.0-10	2	-	2	0.1	-	-	0.02	0.5	-	-	-	0.5
LB-5	Rem.	4.0-6.0	18-23	1	-	2	0.1	-	-	0.01	0.5	-	-	-	0.3
LPB-1	Rem.	6.5-8.5	2.0-5.0	2	-	1	0.3-0.6	-	-	-	-	-	-	-	0.5
<b>Brass</b>															
DCB 1	59-63	-	0.25	Rem.	-	-	-	0.5	-	-	-	-	-	-	0.75
DCB 3	58-63	1	0.5-2.5	Rem.	0.8	1	-	0.2-0.8	0.5	0.05	-	-	-	-	2
PCB 1	57-60	0.5	0.5-2.5	Rem.	0.3	-	-	0.5	-	-	-	-	-	-	0.5
SCB 1	70-80	1.0-3.0	2.0-5.0	Rem.	0.75	1	-	0.01	-	-	-	-	-	-	1
SCB 3	63-70	1.0-5.0	1.0-3.0	Rem.	0.75	1	-	0.1	-	-	-	-	-	-	1
SCB 4	60-63	1-1.5	0.5	Rem.	-	-	-	0.01	-	-	-	-	-	-	0.75
SCB 6	83-88	-	0.5	Rem.	-	-	-	-	-	-	-	-	-	-	1
<b>High Tensile Brass</b>															
HTB 1	55Min	1	0.5	Rem.	0.7-2	1	0.5-2.5	0.1-3	0.1	-	-	-	-	-	0.2
HTB 3	55Min.	0.2	0.2	Rem.	1.5-3.25	1	3.0-6.0	1.5-4	0.1	-	-	-	-	-	0.2
<b>Cu Chromium</b>															
CC1-WP	Rem.	-	-	-	-	-	-	-	-	-	-	-	-	0.6-1.2	-
<b>Cu Mn Aluminium</b>															
CMA 1	Rem.	1	0.05	0.5	2.0-4.0	1.5-4.5	0.05	7.5-8.5	11.0-15.0	0.15	-	-	-	-	0.3
CMA 2	Rem.	1	0.05	0.5	2.0-4.0	1.5-4.5	0.05	8.5-9	11.0-15.0	0.15	-	-	-	-	0.3

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# ASTM (AMERICAN STANDARD)

Copper Alloys	CU	SN	PB	ZN	FE	NI	P	AL	MN	SI	SB	S	BT
<b>Tin Bronze</b>													
C90200	91-94	6.0-8.0	0.3	0.5	0.2	0.5	0.05	0.005	-	0.005	0.2	0.05	-
C90500	86-89	9.0-11.0	0.3	1.0-3.0	0.2	1	0.05	0.005	-	0.005	0.2	0.05	-
C90700	88-90	10.0-12.0	0.5	0.5	0.15	0.5	0.3	0.005	-	0.005	0.2	0.05	-
C90710	Rem.	10.0-12.0	0.25	0.05	0.1	0.1	0.05-1.2	0.005	-	0.005	0.2	0.05	-
C90800	85-89	11.0-13.0	0.25	0.25	0.15	0.5	0.3	0.005	-	0.005	0.2	0.05	-
C90810	Rem.	11.0-13.0	0.25	0.3	0.15	0.5	0.15-0.8	0.005	-	0.005	0.2	0.05	-
C90900	86-89	12.0-14.0	0.25	0.25	0.15	0.5	0.05	0.005	-	0.005	0.2	0.05	-
C91000	84-86	14.0-16.0	0.2	1.5	0.1	0.8	0.05	0.005	-	0.005	0.2	0.05	-
C91100	82-85	15.0-17.0	0.25	0.25	0.25	0.5	1	0.005	-	0.005	0.2	0.05	-
C91300	79-82	18.0-20.0	0.25	0.25	0.25	0.5	1	0.005	-	0.005	0.2	0.05	-
C91600	86-89	9.7-10.30	0.25	0.25	0.2	1.2-2	0.3	0.005	-	0.005	0.2	0.05	-
C91700	84-87	11.3-12.5	0.25	0.25	0.2	1.2-2	0.3	0.005	-	0.005	0.2	0.05	-
C92200	86-90	5.5-6.5	1.0-2.0	3.0-5.0	0.25	1	0.05	0.005	-	0.005	0.25	0.05	-
C92300	85-89	7.5-9.0	0.3-1	2.5-5	0.25	1	0.05	0.005	-	0.005	0.25	0.05	-
C92310	Rem.	7.5-8.5	0.3-1.5	3.5-4.5	-	1	-	0.005	0.03	0.005	-	-	-
C92400	86-89	9.0-11.0	1-2.5	1.0-3.0	0.25	1	0.05	0.005	-	0.005	0.25	0.05	-
C92500	85-88	10.0-12.0	1-1.5	0.5	0.3	0.8-1.5	0.3	0.005	-	0.005	0.25	0.05	-
C92600	86-88.5	9.3-10.5	0.8-1.5	1.3-2.5	0.2	0.7	0.03	0.005	-	0.005	0.25	0.05	-
C92610	Rem.	9.5-10.5	0.3-1.5	1.7-2.8	0.15	1	-	0.005	0.03	0.005	-	-	-
C92700	86-89	9.0-11.0	1-2.5	0.7	0.2	1	0.25	0.005	-	0.005	0.25	0.05	-
C92710	Rem.	9.0-11.0	4.0-6.0	1	0.2	2	0.1	0.005	-	0.005	0.25	0.05	-
C92800	78-82	15.0-17.0	4.0-6.0	0.8	0.2	0.8	0.05	0.005	-	0.005	0.25	0.05	-
C92810	78-82	12.0-14.0	4.0-6.0	0.5	0.5	0.8-1.2	0.05	0.005	-	0.005	0.25	0.05	-
C92900	82-86	9.0-11.0	2-3.2	0.25	0.2	2.8-4	0.5	0.005	-	0.005	0.25	0.05	-
C93100	Rem.	6.5-8.5	2.0-5.0	2	0.25	1	0.3	0.005	-	0.005	0.25	0.05	-
C93200	81-85	6.3-7.5	6.0-8.0	1.0-4.0	0.2	1	0.15	0.005	-	0.005	0.35	0.08	-
<b>Gun Metal</b>													
C83300	92-94	1.0-2.0	1.0-2.0	2.0-6.0	-	-	-	0.005	-	-	-	-	-
C83450	87-89	2.2-3.0	1.5-2.5	5.5-7.5	0.25	0.8-1.5	0.03	0.005	-	0.005	0.25	0.08	-
C83500	86-88	5.5-6.5	3.5-5.5	1-2.5	0.25	0.5-1.0	0.03	0.005	-	0.005	0.25	0.08	-
C83600	84-86	4.3-6.0	4-5.7	4.3-6.0	0.25	1	0.05	0.005	-	0.005	0.25	0.08	-
C83800	82-83.5	3.5-4.2	5.8-6.8	5.5-8.0	0.25	1	0.03	0.005	-	0.005	0.25	0.08	-
C83810	Rem.	2.0-3.5	4.0-6.0	7.5-9.5	0.5	2	-	0.005	-	0.1	-	-	-
C84200	78-82	4.0-6.0	2.0-3.0	10.0-16.0	0.4	0.8	0.05	0.005	-	0.005	0.25	0.08	-
C84400	79-82	2.5-3.5	6.0-8.0	7.0-10.0	0.4	0.8	0.02	0.005	-	0.005	0.25	0.08	-
C84410	Rem.	3-4.5	7.0-9.0	7.0-11.0	-	1	-	0.01	-	0.2	-	-	0.05
C84500	77-79.2	2.0-4.0	6-7.5	10.0-14.0	0.4	1	0.02	0.005	-	0.005	0.25	0.08	-
C84800	75-76.7	2.0-3.0	5.5-7	13.0-17.0	0.4	1	0.02	0.005	-	0.005	0.25	0.08	-
C92210	86-89	4.5-5.5	1.7-2.5	3.0-4.5	0.25	0.7-1.0	0.03	0.005	-	0.005	0.2	0.05	-
C92220	86-88	5.0-6.0	1.5-2.5	3.0-5.5	0.25	0.5-1.0	0.05	-	-	-	-	-	-
C54400	Rem.	3.5-4.5	3.5-4.5	1.5-4.50	0.1	-	0.01-0.5	-	-	-	-	-	-

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# DIN (GERMANY STANDARD)

Copper Alloys	CU	SN	PB	ZN	FE	NI	P	AL	MN	SI	SB	S	Impurities
<b>Aluminium Bronze 1714</b>													
CuAl10Fe1(CW305G)	Rem.	0.1	0.02	0.5	0.5-1.5	1	-	9.0-10.0	0.5	0.2			0.2
CuAl10Fe3Mn2(CW306G)	Rem.	0.1	0.05	0.5	2.0-4.0	1	-	9.0-11.0	1.5-3.5	0.2			0.2
CuAl10Ni5Fe4(CW307G)	Rem.	0.1	0.05	0.4	3.0-5.0	4.0-6.0	-	8.5-11	1	0.2			0.2
CuAl11Fe6Ni6(CW308G)	Rem.	0.1	0.05	0.5	5.0-7.0	5.0-7.0	-	10.5-12.5	1.5	0.2			0.2
CuAl11Ni6Fe5	Rem.	-	0.15	0.5	4.8-7.3	5-7.5	-	10.5-12.5	1.5	0.2			0.3
CuAl5	Rem.	0.3	0.02	0.5	0.4	0.8	-	4.0-6.0	0.3	0.2			0.3
CuAl5As(CW300G)	Rem.	0.05	0.02	0.3	0.2	0.2	-	4-6.5	0.2	-			0.3
CuAl6Si2Fe(CW301G)	Rem.	0.0-0.1	0.05	0.4	0.5-0.7	0.1	-	6-6.4	0.1	2-2.4			0.2
CuAl7Si2(CW302G)	Rem.	0.2	0.05	0.5	0.3	0.2	-	6.3-7.6	0.2	1.5-2.2			0.2
CuAl8	Rem.	-	0.02	0.5	0.5	0.8	-	7.0-9.0	0.8	0.2			0.3
CuAl8Fe	Rem.	0.2	0.15	0.5	1.5-3.5	1	-	6.5-9.0	1	0.2			0.3
CuAl8Fe3(CW303G)	Rem.	0.1	0.05	0.5	1.5-3.5	1	-	6.5-8.5	1	0.2			0.2
CuAl9Fe3Mn2	Rem.	-	0.05	0.5	2.0-4.0	1	-	9.0-11.0	1.5-3.5	0.2			0.3
CuAl9Mn	Rem.	-	0.15	0.5	1.5	0.8	-	8.0-10.0	1.5-3.0	0.2			0.3
CuAl9Ni3Fe2(CW304G)	Rem.	0.1	0.05	0.2	1.0-3.0	2.0-4.0	-	8.0-9.5	2.5	0.1			0.3
G-CuAl10Fe	83-89	0.2	0.1	0.4	2-3.8	2.7	-	8.7-10.7	0.8	0.1			1
G-CuAl10Ni	76-80.5	0.1	0.03	0.2	3.5-5.3	4.5-6.3	-	9-10.6	2.3	0.07			0.8
G-CuAl11Ni	72-77	0.1	0.03	0.2	4.3-5.8	5.3-6.8	-	9.3-11.3	2.3	0.07			0.8
G-CuAl8Mn	82-84.5	0.1	0.05	0.15	0.6	1.2-1.8	-	7.3-8.8	5.3-6.5	0.05			0.8
G-CuAl9Ni	82-86.5	0.2	0.1	0.2	1-2.8	1.5-3.8	-	8.7-9.8	2.3	0.07			0.8
<b>Tin Bronze 1705</b>													
CuNi44Mn1	Rem.	-	0.01	-	0.2	43-45	-	-	0.5-2	-	-	0.02	0.1
CuSn10	88.5-90.5	9.3-11	0.8	0.5	0.15	1.8	0.05	0.01	0.1	0.01	0.15	0.04	-
CuSn4(CW450K)	Rem.	3.4-4.5	0.02	0.2	0.1	0.2	0.01-0.4	-	-	-	-	-	0.2
CuSn5(CW451K)	Rem.	4.5-5.5	0.02	0.2	0.1	0.2	0.01-0.4	-	-	-	-	-	0.2
CuSn5Pb1(CW458K)	Rem.	3.5-5.5	0.5-1.5	0.3	0.1	0.2	0.01-0.4	-	-	-	-	-	0.2
CuSn6	86-89.5	5.7-6.5	1.2-2	3.2-5	0.25	1	0.03	0.01	-	0.01	-	0.08	-
CuSn6(CW452K)	Rem.	5.5-7	0.02	0.2	0.1	0.2	0.01-0.4	-	-	-	-	-	0.2
CuSn8(CW453K)	Rem.	7.5-8.5	0.02	0.2	0.1	0.2	0.01-0.4	-	-	-	-	-	0.2
CuSn8P(CW459K)	Rem.	7.5-8.5	0.05	0.3	0.1	0.3	0.2-0.4	-	-	-	-	-	0.2
CuSn8PbP(CW460K)	Rem.	7.5-9	0.1-0.5	0.3	0.1	0.3	0.2-0.4	-	-	-	-	-	0.2
CuSn8Pb2P(CW455K)	Rem.	3.5-4.5	1.5-2.5	0.3	0.1	0.2	0.2-0.4	-	-	-	-	-	0.2
GbCuSn12	86-88	11.3-13	0.8	0.5	0.15	1.8	0.05	0.01	0.1	0.01	0.15	0.04	-
GbCuSn12Ni	84-87	11.3-13	0.15	0.3	0.15	1.5-2.4	0.05	0.01	0.1	0.01	0.05	0.04	-
G-CuSn10Zn	86-88.5	9.2-11	1.3	1.0-3.0	0.2	1.8	0.03	0.01	0.1	-	0.25	0.06	-
G-CuSn12Pb	84.3-87.3	11.3-13	1.2-2.0	0.5	0.15	1.8	0.05	0.01	0.1	0.01	0.15	0.04	-
G-SnBZ10	89-91	9.00-11.0	-	-	-	-	-	-	-	-	-	-	-
G-SnBZ12	87-89	11.0-13.0	-	-	-	-	-	-	-	-	-	-	-
G-SnBZ14	85-87	13.0-15.0	-	-	-	-	-	-	-	-	-	-	-
G-SnBZ20	78-80	20.0-22.0	-	-	-	-	-	-	-	-	-	-	-
RG-10	85-87	9.0-11.0	-	4	-	-	-	-	-	-	-	-	-

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# Products Details

## COPPER

Tellurium Copper	C14500	C109	CW118C
Sulphur Copper	C14700	C111	CW114C
Cadmium Copper	C16200	C108	CW105C
Chromium Copper	C18700	CC101	
Leaded Copper	C18150	-	
Copper Chromium Zirconium	C14500	CC102	
Copper Nickle Silicon Chromium	C18000	-	
Copper Zirconium Cobalt Chromium	C17500	C112	
Copper Zirconium	C15000	-	

ROUND			HEX		Square	
Extended & Drawn	Extruded	Cast & Turned	Extruded & Drawn	Extruded	Extruded & Drawn	Extruded
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm
6mm to 80mm	80mm to 120mm	100mm to 500mm	100mm to 500mm	10mm to 100mm	10mm to 75mm	75mm to 100mm

## COPPER NICKEL

90/10 Cu Ni	C70600	CN102	CW305H			
70/30 Cu Ni	C71500	CN107	CW307H			
Round			Hex		Square	
Extended & Drawn	Extruded	Cast @ Turned	Extended & Drawn	Extruded	Extended & Drawn	Extruded
15MM TO 80MM	80MM TO 100MM	100MM TO 500MM	20MM TO 75MM	75MM TO 100MM	20MM TO 75MM	75MM TO 100MM
15MM TO 80MM	80MM TO 100MM	100MM TO 500MM	20MM TO 75MM	75MM TO 100MM	20MM TO 75MM	75MM TO 100MM



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# Products Details

## Aluminium Bronze

Aluminium Bronze						
Al. Bronze 1		C62300	CA103		CW305G	
Al. Bronze 2		C63000	CA104		CW307G	
Round			Hex		Square	
Extended & Drawn	Extruded	Cast @ Turned	Extruded		Extended & Drawn	Extruded
8MM TO 60MM	60MM TO 100MM	80MM TO 500MM	20MM TO 60MM	60MM TO 80MM	10MM TO 50MM	75MM TO 100MM
8MM TO 60MM	80MM TO 100MM	100MM TO 500MM	20MM TO 75MM	75MM TO 100MM	20MM TO 75MM	75MM TO 100MM

## Silicon Bronze

Silicon Bronze				
Low Silicon Bronze		C65100	-	CW109C
High Silicon Bronze		C65500	-	-
Aluminium Silicon Bronze 1		C64200	CW107	CW302G
CUN12Si		C64700	-	CW111

Round			Hex		Square	
Extended & Drawn	Extruded	Cast & turned	Extruded & Drawn	Extruded	Extruded & Drawn	Extruded
10MM TO 80MM	60MM TO 100MM	80MM TO 500MM	15MM TO 75MM	75MM TO 100MM	15MM TO 75MM	75MM TO 100MM
10MM TO 80MM	60MM TO 100MM	80MM TO 500MM	15MM TO 75MM	75MM TO 100MM	15MM TO 75MM	75MM TO 100MM
10MM TO 80MM	60MM TO 100MM	80MM TO 500MM	15MM TO 75MM	75MM TO 100MM	15MM TO 75MM	75MM TO 100MM
10MM TO 80MM	60MM TO 100MM	80MM TO 500MM	15MM TO 75MM	75MM TO 100MM	15MM TO 75MM	75MM TO 100MM
10MM TO 80MM	60MM TO 100MM	80MM TO 500MM	15MM TO 75MM	75MM TO 100MM	15MM TO 75MM	75MM TO 100MM
15MM TO 80MM	80MM TO 100MM	100MM TO 500MM	20MM TO 75MM	75MM TO 100MM	20MM TO 75MM	75MM TO 100MM

## CONTINUOUS CASTING PRODUCTS:

### Phosphorus Bronze

Phosphorus Bronze			
95/5	PB102	C52100	C451K
92/8	-	-	-
90/10	-	-	-
88/12	-	PB-1	-
-	-	PB-2	-
Round	Hollow	Hex	Square
10mm to 300mm	10mmID – 130mmOD	10mm to 80mm	15mm to 75mm
10mm to 300mm	10mmID – 130mmOD	10mm to 80mm	15mm to 75mm
10mm to 300mm	10mmID – 130mmOD	10mm to 80mm	15mm to 75mm
10mm to 300mm	10mmID – 130mmOD	10mm to 80mm	15mm to 75mm



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# OUR MACHINED PRODUCTS

## PRECISION MACHINED PARTS & BLANKS

*Ganga R Ispat Metals is proud to expand our capabilities by offering our complete range of brass, bronze, and copper alloys in precision-machined and milled components. Whether for high-performance industrial applications or custom-engineered solutions, our parts are manufactured to exacting standards to ensure exceptional accuracy, quality, and reliability.*



# PHOSPHOR BRONZE



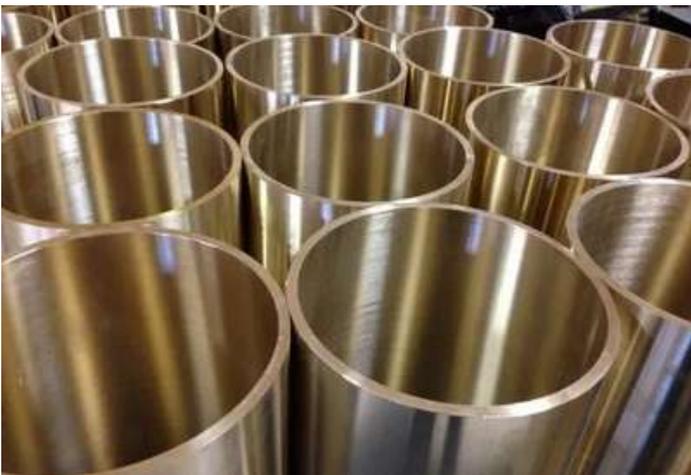
# GUN METAL



# NICKEL ALUMINIUM BRONZE



# SILICON BRONZE



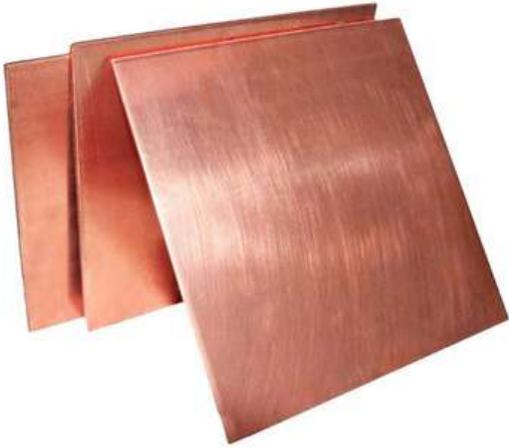
# TIN BRONZE



# MANGANESE BRONZE



# COPPER



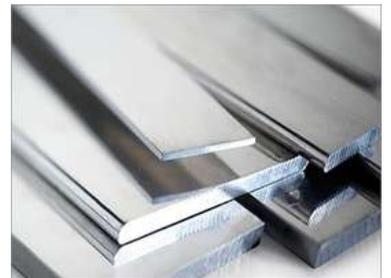
# BRASS



# CAST IRON



# ALUMINIUM



# Our Products



**TIN-BRONZE BUSH**



**GUN METAL COLLAR BUSH**



**PHOSPHOR BRONZE BUSH**



**POLISHED GUN METAL BAR**



**GUN METAL SAND CASTING**



**BRONZE GUNMETAL BUSH**



**CENTRIFUGAL CASTING COPPER BUSH**



**GUN METAL HALF BUSH**



**GUN METAL BUSH**



**BRONZE HALF BUSH**



**ALUMINIUM BRONZE BUSH**



**LTB LINER BRONZE CASTING**

## SETTING THE BENCHMARK FOR QUALITY EXCELLENCE

At Ganga R Ispat Metals, we are committed to delivering the highest quality standards in every product we manufacture. Certified to ISO 9001:2015. Our products are crafted with exceptional precision, chemistry, and purity.

## DRIVEN BY PROCESS EXCELLENCE & CUSTOMER FOCUS

As a forward-thinking organization, Ganga R Ispat Metals continuously invests in process enhancement and innovation. Our unwavering commitment to quality spans every level of our operations and includes the active involvement of our entire team.

Our primary focus is customer satisfaction. This is achieved through:

- Ongoing process improvements
- Comprehensive employee training
- Strict adherence to established quality protocols
- Proactive resolution of any system or product deficiencies

## UNCOMPROMISING QUALITY SYSTEMS

By sourcing only the finest raw materials and enforcing stringent process controls, we ensure that every component meets the most demanding standards.

Our quality system guarantees:

- Timely deliveries
- Minimal defects
- 100% conformance to specifications

Our reputation is built on a legacy of never compromising on quality or customer requirements.

## ADVANCED METALLURGICAL PRECISION

Every product is subjected to meticulous chemical and compositional analysis using advanced tools such as Spark Absorption Spectrometers before casting.

This ensures consistent material integrity and performance.

It is this dedication to precision and reliability that has made Ganga R Ispat Metals the preferred casting partner for many prestigious OEMs. Our greatest pride lies in consistently meeting—and often exceeding—our clients' expectations.



## INDUSTRIAL APPLICATIONS

- **Automobile Industries**
- **Marine Industries**
- **Navy & Defence**
- **Nuclear Power Industries**
- **Oil & Gas Refinery Industries**
- **Cement Industries**
- **Gear Industries**
- **Pharmaceutical Industries**
- **Pump & Valve Industries**
- **Sugar Industries**
- **Textile Industries**

## TESTING EQUIPMENTS

- **Emission type spectrometer CCD base.**
- **Electrical conductivity meter.**
- **Ultrasonic testing machine.**
- **Dye penetration tester.**
- **Macro etching testing facilities.**
- **Universal testing machine.**
- **Vickers cum brinell hardness tester.**
- **Rockwell hardness tester, HRF , HRB , HRC**
- **Impact strength testing machine.**
- **Metallurgical microscope.**
- **Fracture testing machine.**
- **Mercurous nitrate testing facilities**
- **Ammonia vapor testing facilities.**
- **Dezincification testing facilities.**
- **Dimensional checking equipments like verniers, micrometers etc.**

# OUR PRODUCT LIST

- PHOSPHOR BRONZE
- TIN BRONZE
- LEADED BRONZE
- NICKEL ALUMINIUM BRONZE
- MAGANESE BRONZE
- SILICON BRONZE
- GUN METAL
- CUPRO NICKEL
- BERYLLIUM COPPER & TELLURIUM COPPER
- COPPER CHROMIUM ZIRCONIUM
- COPPER & COPPER ALLOYS
- BRASS
- HIGH TENSILE BRASS
- CAST IRON
- ALUMINIUM

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