



Metalcomp
Overseas

Exporters of Sintered Metal Components and Journal Bearings



Address

**B602, PENROSE CHS, HIRANANDANI ESTATE,
GHODBUNDER ROAD, THANE WEST,
City - THANE, State – MAHARASHTRA, PIN -400607
INDIA**

Email ID

sk@metalcompoverseas.com

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+91 9136969743

Website

www.metalcompoverseas.com

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About us:

Metalcomp Overseas is a fast-growing, ISO 9001 certified exporter from India engaged in exporting variety of engineering products. Metalcomp Overseas specializes and offers reliable mechanical transmission engineering components for various industries. Our products include Sintered Parts & Journal Bearings viz. Sintered Bushings, Cast Bronze Sleeve Bearings, Graphite Impregnated Bronze Bushings, and Wrapped Bronze Bushings as per client requirements.

We support various industries manufacturing electrical equipment, household equipment, printing machinery, machine tools, automotive and aircraft accessories, farm and construction equipment, marine components, and food processing equipment.

Our Vision & Mission Statement:**Vision:**

To provide quality products at optimum price and establish ourselves as one of the leading exporters of engineering goods.

Mission:

To become a sustainable exporting partner globally for engineering goods.

Why us:

- We provide variety of sintered components and journal bearings in different materials as per national and international standards for different industries.
- We offer our products at competitive price and to the complete satisfaction of our client.
- We execute orders timely. We maintain a strong network of reliable and reputed suppliers who manufacture and supply quality products efficiently.
- We are an ISO 9001 certified company and we strictly adhere to the required quality standards. We provide all quality test reports and certificates for the products as applicable to the contract and encourage third-party inspection of the products to ensure client satisfaction with the products.
- We offer constant feed back to our clients on our products, and progress and status of their contract.

Year of establishment	2022	MSME Reg. No.	UDHYAM-MH-33-0167704
Type of establishment	Sole Proprietorship	IEC No.	AELPK4747F
ISO 9001 Cert. No.	QCS82722	GST No.	27AELPK4747F1ZA
Membership	Powder Metallurgy Association of India		



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ISO 9001 Certificate:

Certificate of Registration

This is to Certify That The Quality Management System of

METALCOMP OVERSEAS

B602, PENROSE CHS, HIRANANDANI ESTATE, GHODBUNDER ROAD, THANE – WEST, THANE, MAHARASHTRA - 400607, INDIA.

has been audited and conformed to be in accordance with the requirements of

ISO 9001:2015

The Quality Management System is Applicable to :

MERCHANT EXPORTING, IMPORTING AND TRADING OF
ENGINEERING GOODS.

Certificate No	: QCS82722	Issuance Date	: 27/07/2022
Initial Registration Date	: 27/07/2022		
Date of Expiry	: 26/07/2025		
1st Surve. Due	: 27/06/2023	2nd Surve. Due	: 27/06/2024

Director

IAS ACCREDITED
Management Systems
Certification Body
MSCB-114

MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT

Aambitious Assessment Pvt. Ltd.
D-9, Sector 03, Noida, Gautam Buddha Nagar, Uttar Pradesh - 201301, India.
e-mail: info@aapcertification.in, website: www.aapcertification.in
Certificate Verification: Certificate Validity can be re-checked at www.aapcertification.in
This certificate is a property of Aambitious Assessment Pvt. Ltd. and shall be returned immediately when demanded.
*Validity of the certificate is subject to successful completion of surveillance audit on or before due date



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Products:

<p>1</p>	<p>Sintered Bushings / Oil Impregnated Bushings / Maintenance Free Bushings</p>	
<p>2</p>	<p>Cast Bronze Sleeve Bearings / Bronze Bush Bearings</p>	
<p>3</p>	<p>Graphite Impregnated Bronze Bushings / Graphite Plugged Bronze Bushings / Oilless Bushings</p>	
<p>4</p>	<p>Wrapped Bushings</p>	
<p>5</p>	<p>Sintered Parts / Sintered Components / Sintered Metal Components</p>	



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Sintered Bushings / Oil Impregnated Bushings / Maintenance Free Bushings

Description:






Sintered bushings are maintenance free journal bearings. These bearings are based on powder-metal technology and consists of porous matrix which are impregnated with lubricating oil. The lubricating oil contained in the bearing is circulated and plays the role of lubricant in the bearing system during operation. Sintered bearings have very high sliding velocity making them suitable for rotating applications.

These bearings are economical, suitable for high production rates and can be manufactured to precision tolerances. These bearings are equivalent to "Oillite" brand bearings.

Specification:

Custom made to client's specifications and drawings. ASTM B438, ASTM B439, MPIF Standard 35, SAE 841, SAE 863, BS 4480, ISO 5755, BS ISO 2795 & IS 3980 standards.

Type, Shape & Typical Applications:

Type	Shape	Function	Application
Cylindrical		Supports radial loads	<ul style="list-style-type: none"> Household appliances Automotive electrical equipment Office equipment Agriculture Machinery Audio-visual equipment
Flanged		<ul style="list-style-type: none"> Supports both radial and axial loads. Flange area simplifies locating. 	<ul style="list-style-type: none"> Machine tools Automotive electrical equipment. Office equipment.
Spherical		<ul style="list-style-type: none"> Supports radial loads. Designed to be self-aligning. 	<ul style="list-style-type: none"> Household appliances Automotive electrical equipment
Thrust washer		Supports axial loads	<ul style="list-style-type: none"> Household appliances Audio-visual equipment
Special		<ul style="list-style-type: none"> Supports both radial and one directional axial load. Self-aligning. 	<ul style="list-style-type: none"> General machinery



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Properties	Suitable for high sliding speeds at low load capacity.
Shape	<ul style="list-style-type: none"> • Cylindrical / Sleeve • Flanged cylindrical • Spherical • Washer
Size Details	<ul style="list-style-type: none"> • Custom made to client drawing & specification. • Minimum ID Φ 2mm, Maximum OD Φ 120 mm, Length 3 - 85 mm • Dimensional variation in a batch is negligible, since the batch is manufactured from single forming toolset. • Closer dimensional tolerances can be achieved.
Materials	<ul style="list-style-type: none"> • Bronze base • Iron base
Material Properties	<ul style="list-style-type: none"> • Impregnated densities Bronze 5.8 – 7.2 g/cm³ Bronze iron 5.5 - 7.0 g/cm³ Iron 5.4 – 6.8 g/cm³ • Porosity % Bronze 12 - 25 Iron 12 - 22 • Radial crushing strength K Factor 100 – 180 MPa 150 – 300 MPa • Weight from 2 grams to 2.5 kgs.
Other	<ul style="list-style-type: none"> • Sintering furnaces temperatures up to 1200 deg. centigrade. • Sizing presses of tonnage up to 65 tons.
Inspection Testing & Certification	<ul style="list-style-type: none"> • All required inspection and tests will be performed, and test reports submitted as required by contract. • Manufacturing units are ISO 9001 certified.
Packaging	Export quality – Placed in plastic bags, boxed in corrugated carton boxes, and covered with PP woven sheets.
Minimum Order Quantity	5000 Pcs

Note: We do not maintain stock. Bushes are made on receipt of order.



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Cast Bronze Sleeve Bearings / Bronze Bush Bearings

Description:

Cast bronze sleeve bearings are incredibly simple but highly effective component containing a bearing surface and a mating component. Its role is to guarantee linear or rotational movement between two parts. Cast bronze sleeve bearings have low coefficient of friction, have good sliding property, reduces heat generation, provides substantial wear resistance, and have thinner wall section that requires less space to be housed.

Cast bronze bearings are intended for both radial and axial oscillating movement and are suitable for low rotating speeds. These bushings are resistant to shock loads, vibrations and corrosive environment. These bushings are insensitive to dirty environment, can operate with lower quality shaft surface finish and provided with oil holes and grease grooves to retain lubricants. These bearings are easy to install, lightweight, and cater to a host of applications.

These bearings are cast in copper alloys as they offer broadest range of applicability. These bearings are centrifugally / continuous / sand cast in cylindrical and flanged cylindrical shapes and machined to precision tolerances. They are low cost and virtually maintenance-free as such used in many diverse applications.





Applications:

Mining equipment, construction equipment, marine equipment, transport equipment and paper making machinery.

Specification:

Custom made to client's specifications and drawings, ISO 4379, ASTM B 824, BS 1400, IS 14478 and other international standards.

Type, Shape & Typical Applications:

Type	Shape	Function
Cylindrical		Supports radial loads.
Flanged		<ul style="list-style-type: none">• Supports both radial and axial loads.• Flange area simplifies locating.
Split		Used where 2-piece housing is present or where quick assembly and easy installation is required.
Thrust washer		Supports axial loads.

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Properties	Suitable where rotating speeds (0.5 m/s) and moderate loads (25/45 N/mm ²).
Shape	<ul style="list-style-type: none">• Cylindrical / Sleeve• Flanged cylindrical• Washer• Split cylindrical
Size Details	<ul style="list-style-type: none">• Custom made to client drawing & specification.• Closer dimensional tolerances can be achieved.
Materials	<ul style="list-style-type: none">• Tin Bronze Alloys• Leaded Tin Bronze Alloys• High Leaded Tin Bronze Alloys• Aluminium Bronze Alloys• Manganese Bronze Alloys• Leaded Red Brass• High Strength Brasses• Silicon Brasses• Copper Beryllium Alloys• Leaded Copper• Lead Free Copper
Oil Hole & Grooves	<ul style="list-style-type: none">• As per clients requirement / drawing.
Inspection Testing & Certification	<ul style="list-style-type: none">• Dimensional inspection, geometrical deviations & material properties. All required inspection and tests will be performed, and test reports submitted as required by contract.• Manufacturing units are ISO 9001 certified.
Packaging	<ul style="list-style-type: none">• Export quality – Covered with bubble sheet, placed in corrugated carton boxes / wooden boxes.
Minimum Order Quantity	<ul style="list-style-type: none">• 100 Pcs

Note: We do not maintain stock. Bushes are made on receipt of order.



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Graphite Impregnated Bronze Bushings / Graphite Plugged Bronze Bearings / Oilless Bronze Bushings / Self Lubricated Bearings

Description:

Graphite impregnated bronze bushings are also known as graphite plugged bronze bearing or oilless bronze bushings or self-lubricated bearings. These bearings great for applications that need continual lubrication, where maintenance is difficult and where normal grease and oil-based lubricants can burn off due to high temperatures. Bronze body provides the necessary strength to the bearing and graphite plugs acts as reservoir of lubricant. Graphite film from the graphite plug is transferred onto the shaft as it rotates and acts as lubricant even under high loads and low speeds. Cast bronze base material gives stronger bearing ability when compared to self-lubricating leaded bronze bushings.

These bearings are machined out of cast bronze and plugged with graphite plugs. These bearings are available in cylindrical, flanged cylindrical, thrust washer, and flat wear plates form. These bearings are machined to precision tolerances.






Applications:

Construction equipment, transportation machinery, mining equipment etc.

Specification:

Custom made to Client’s specifications and drawings.

Type, Shape & Typical Applications:

Type	Shape	Function
Cylindrical		Supports radial loads.
Flanged		<ul style="list-style-type: none">• Supports both radial and axial loads.• Flange area simplifies locating.
Split		Used where 2-piece housing is present or where quick assembly and easy installation is required.
Thrust washer		Supports axial loads.
Wear plate		Guides, supports, and controls linear motion of heavy forces.

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Properties	Suitable for severe working condition such as heavy load, low velocity, reciprocating, oscillating and intermittent motions where oil film formation is difficult.
Shape	<ul style="list-style-type: none">• Cylindrical / Sleeve• Flanged Cylindrical• Split• Washer• Wear Plate
Size Details	<ul style="list-style-type: none">• Custom made to Client Drawing & Specification.• Closer dimensional tolerances can be achieved.
Materials	<ul style="list-style-type: none">• Leaded Tin Bronze Alloys• Aluminium Bronze Alloys• Manganese Bronze Alloys• Bronze
Oil Hole & Grooves	As per Clients requirement / Drawing.
Inspection Testing & Certification	<ul style="list-style-type: none">• Dimensional Inspection, Geometrical Deviations & Material Properties. All required inspection and tests will be performed, and test reports submitted as required by client.• Manufacturing units are ISO 9001 certified.
Packaging	Export Quality – Covered with bubble sheet, Placed in corrugated carton boxes / wooden boxes.
Minimum Order Quantity	100 Pcs

Note: We do not maintain stock. Bushes are made on receipt of order.



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Wrapped Bronze Bushings

Description:

Wrapped bronze bushings are ideal for use in harsh environments where frequent maintenance is not practicable. Wrapped bronze bushings are composed of tin-bronze and have diamond oil sockets or drilled holes into their inside surface for oil conservation. Its anti-fatigue, anti-erosion, anti-abrasion, and load capacity are all excellent. Their adaptability and long-term success can be attributed to their simplicity, efficiency, and ability to take up space or protect the shaft.

Wrapped bronze bushings are made from strips that are subsequently wrapped into shape. These bearings are available in cylindrical, flanged cylindrical shapes.

Applications:

Wrapped bronze bushings are used in applications like agriculture machinery, construction equipment, offshore machinery etc.

Specification:

Custom made to client's specifications and drawings.

Type & Shape:



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Sintered Parts / Sintered Components / Sintered Metal Components

Description:

Sintered parts / Sintered components / Sintered metal components are produced using powder metallurgy sintering process. Sintering has become an essential process to produce assortment of engineering structural components / parts. It involves heating formed compacted metal and alloy powders to just below their melting point and shaping and sizing the formed part to the required dimensions. Powder metallurgy sintering process produces precision parts having light weight, good strength, and accuracy, economically.

Applications:

Sintered metal components find application in a wide range of industries from domestic appliances, automotive, agriculture, textile, transmission to aerospace industry.

Automotive industry using sintered components includes two wheelers, three wheelers, four wheelers, heavy trucks and earth movers and includes components for engines, transmission, shock absorbers, chassis, oil pump, braking system, bearing bush etc.

Sintered components for transmission industries, include couplings, gears etc. and for textile industry the components include cams in textile machines. For home appliances the sintered parts are sintered bearings used in fans, pumps, air coolers, grinders, juicers and mixers.

Specification:

Custom made to client's specifications and drawings.

Type, Shape & Typical Applications:

Properties & Shape	As per clients specifications and drawings. See next page for parts manufactured.
Size Details	<ul style="list-style-type: none">• Custom made to client Drawing & Specification.• Closer dimensional tolerances can be achieved.
Materials	Copper, Brass, Bronze, Iron, Steel, Stainless Steel, Aluminium
Inspection Testing & Certification	<ul style="list-style-type: none">• Dimensional Inspection, Geometrical Deviations & Material Properties. All required inspection and tests will be performed, and test reports submitted as required by client.• Manufacturing units are ISO 9001 certified.
Packaging	Covered with bubble sheet, Placed in corrugated carton boxes / wooden boxes.
MOQ	5000 Pcs

Note: We do not maintain stock. Bushes are made on receipt of order.



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