



INTRODUCTION

Engineered Self-lubricating Solutions!

Your engineering partner from prototype to production provides engineering, custom fabrication, and manufacturing of high-performance metallic bushing and self-lubricating bearings materials. Our capabilities include component design, material selection, prototype, production and manufacturing.



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<https://www.viiplus.com/>

SOLID LUBRICATING BEARING SERIES

Plain Bearings, Self-lubricating Bushings Supplier.

**Metallic bearing materials, Lubricated
metal bearings**

Self-lubricating Bearings Solutions

Graphite Plate

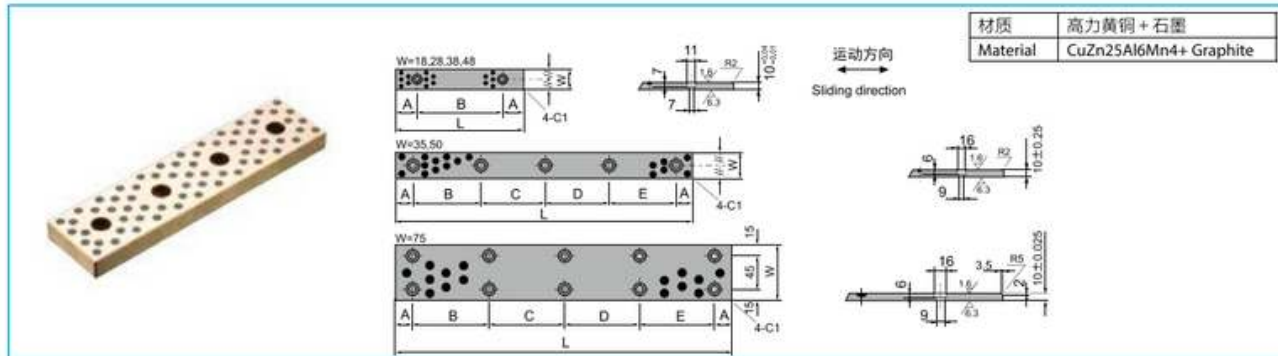


The excellent low friction and high wear resistance performance of self-lubricating bearings make them ideal for hundreds of applications in numerous and ...

Oilless Wear Plate Size Online Shop

Select, configure and purchase in the online shop ✓ Fast delivery ...Oil Free Plate (High-Performance Composite Bearings)

JSP Oilless Wear Plate



单位Unit: mm

型号规格 Standard No.	W	L	A	B	C	D	E	平头螺钉尺寸 Flat Head Screw Size	孔数 Q'ty of holes	
JSP-1875	18	75	15	45				M6	2	
JSP-18100		100		50						
JSP-18125		125	25	75						
JSP-18150		150		100						
JSP-2875	28	75	15	45						
JSP-28100		100		50						
JSP-28125		125	25	75						
JSP-28150		150		100						
JSP-35100	35	100	20	60				M8	3	
JSP-35150		150		55	55					
JSP-35200		200		55	50	55				
JSP-35250		250		70	70	70				
JSP-35300		300		65	65	65	65			
JSP-35350	350	80	75	75	80			5		
JSP-3875	38	75	15	45				M6	2	
JSP-38100		100		50						
JSP-38125		125	25	75						
JSP-38150		150		100						
JSP-4875	48	75	15	45						
JSP-48100		100		50						
JSP-48125		125	25	75						
JSP-48150		150		100						
JSP-50100	50	100	20	60				M8	3	
JSP-50150		150		55	55					
JSP-50200		200		55	50	55				
JSP-50250		250		70	70	70				
JSP-50300		300		65	65	65	65			
JSP-50400	400	90	90	90	90			5		
JSP-75150	75	150	110					M8	4	
JSP-75200		200	80	80						
JSP-75250		250	105	105						
JSP-75300		300	85	90	85					
JSP-75400		400	120	120	120					
JSP-75500		500	115	115	115	115				

Custom Bearings & Bushing

Learn how self-lubricating graphite **bushings** have been proven to deliver a longer service life than bearings.

Need custom-designed bearings bushing for your application? See how self-lubricating can produce bushing bearings according to desired shape, material, and size.



Plain bearings online shop - maintenance-free metallic bushing

Select, configure and purchase in the online shop ✓ Fast delivery ...Oil Free Bushings
(High-Performance Composite Bearings)

Tribological bearings, equivalent to being sliding bearings, refer to The basic technology of bearings: the physical and scientific analysis of friction, wear and lubrication.

JDB Solid Lubrication Bearing

The so-called non-oil means less fuel without refueling, the goal of our research is to ensure that bearing this condition also showed a good performance and extend its life as much as possible. Self-lubricating bearings basic principle is that the solid lubricant in the initial operational phase of the bearing surface due to mutual friction asked to form a transfer film and covered with a wear member to the final formation of the solid lubricant film in order to achieve the purpose of self-lubricating, it cut off direct contact between the workpiece and thus well protected against wear member and workpiece extending bearing life.



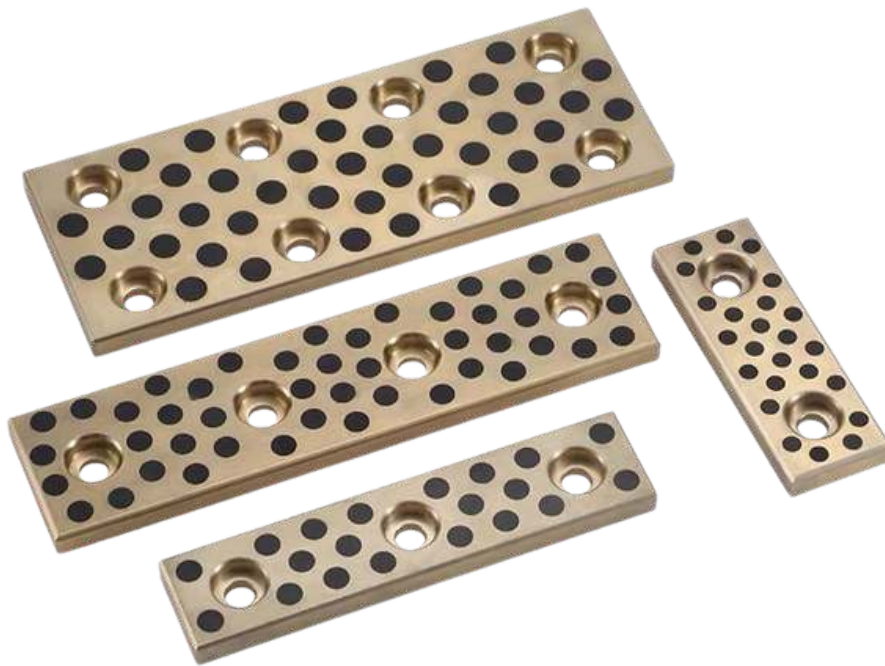
Metal Bushing Lubricated

Metallography

JDB high-strength copper alloy as base material, according to the use conditions by a certain percentage of its working surface machined hole and fill one solid lubricant. High-strength copper alloy provides a high load carrying capacity and the solid lubricant can be formed of a low friction. Under dry conditions we have designed a layer of film on pre-lubricated bearing surface ensures the shortest possible time will be transferred to the solid lubricant on the coupling member and form a valid solid lubricant film.



OUR SLIDING BEARINGS ARE ENGINEERED TO EXACTING STANDARDS



Bearing characteristics

Modern design for today's self-lubricating bearing material is undergoing tremendous demand. Even in the severe operating environment and maximum extreme load conditions also require maintenance. As the cost of the increasing demand, business equipment and plant operation reliability requirements are also increasing. Metal self-lubricating bearings to meet the long-term maintenance-free and under the conditions of use of self-lubricating, thus making the design of reliable long-term self-lubricating system possible. Metal type self-lubricating bearing material can be widely used in high-load low speed rotation conditions, swivel and linear reciprocating motion, but also for conventional lubrication can not be achieved or prohibit the use of the occasion, or in special conditions such as dust, shock load or irradiation conditions require long-term and stable use.

POWERING DESIGNS ONE BEARING AT A TIME

Product Features

- 1. No oil supply device, hole injection, fuel tank processing** Cost of oil installations, processing fees, saving assembly fees, extra costs and time, can significantly reduce manufacturing costs.
- 2. Lower operating costs** Significantly reduce the use of lubricants and equipment maintenance costs, while also eliminating the risk caused due to insufficient supply.
- 3. Shorten design time** Non-oil can make the design and structure greatly simplified, reducing costs, saving design time. In addition, the use of self-lubricating bearings can also improve the mechanical properties, extend life and improve reliability, achieve significant results.
- 4. Oil recovery and environmental protection** No waste oil recycling, are environmentally friendly. JDB(500#SP) Self-lubricating bearings as machinery parts and components industry, there is some use in a broad sense. In order to make the mechanical drive is operating normally, a lot of effort. The bearing is divided into Rolling and plain bearings. General sliding bearings under high load movement, foreign matter, the temperature condition, fuel, maintenance, etc. imperfect, can cause nap. Under severe conditions such as general sliding bearings can not be used, solid metal mosaic self-lubricating bearings wear resistance, galling resistance, the bearing play its due performance, to achieve the role of mechanical performance and maintenance-free maintenance.



Our products are manufactured to precise standards for long-term use and high output. Made from aluminum alloys, bronze alloys, copper alloys or other properties, our products can take your design to the next level. We can even custom manufacture bearings for your specific needs.



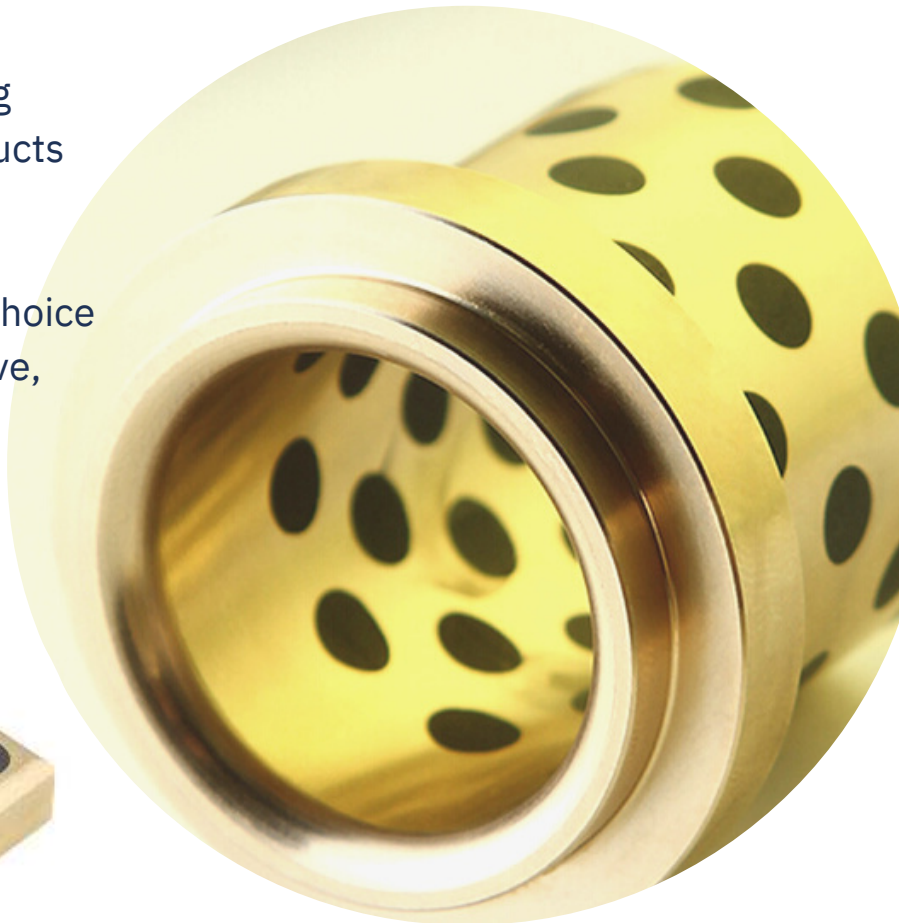
Wrapped Bronze Bushing



Browse by Bronze Bushing Types

We have excelled in manufacturing durable, trusted bearings for products around the globe.

Our bushing bearings are the top choice for manufacturers in the automotive, marine, and industrial markets.



Choose A Market And Find Out More



Browse by unique applications

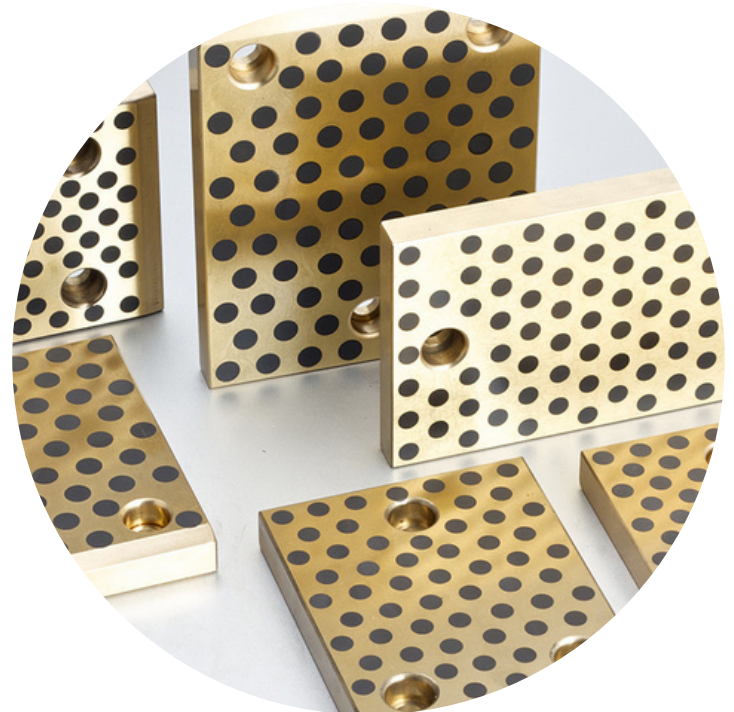
We have the bushing bearings to meet your needs, including custom products developed specifically for your applications.



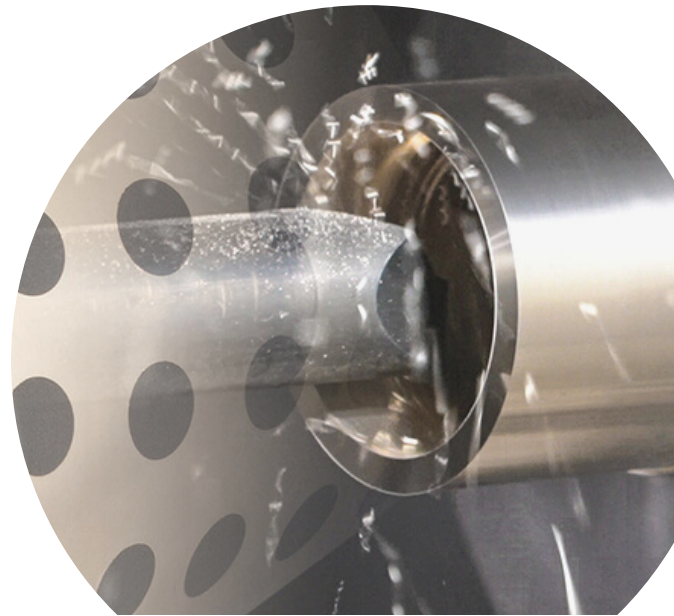
Lubricated metal bearings -Embedded solid lubricant



Bronze with embedded solid lubricant



Wear-resistant, high-strength bronze





CONTACT

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Contact our experts for more information on bearing, self-lubricating bushings, and polymer coating solutions for your application design. We are ready to help you find the right solution for your specific application design.

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