

# HB BEARINGS

**Modifications**  
**Manufacture**  
**Special Bearings**  
**Bearing Accessories**  
**Standard Bearings**



*specialists in the manufacture and modification of precision bearings-*



## ABOUT OUR COMPANY

HB Bearings is a precision engineering company specialising in bearing manufacture and modification.

Since its formation in 1972, the company has continuously expanded its expertise and abilities in this field.

We now operate from a large modern factory complex equipped with the most modern machine tools and inspection equipment operated by our highly skilled workforce.

A national and international reputation for quality has been gained over the years and our manufacturing and inspecting processes being constantly refined to enhance this reputation.



## ABOUT OUR SERVICE

HB Bearings prides itself on providing the best possible service. Competitive prices and deliveries will be given by our sales department. In 'breakdown' or 'crisis' situations our staff will always explore every avenue to give you the quickest possible delivery. With regard to manufacture our experienced design department will be pleased to assist in any way possible with your enquiries.



## ABOUT OUR PRODUCTS

HB Bearings are able to modify existing bearings and manufacture new bearings. We cover a wide range of bearing styles and types, ask for details.

### MODIFICATIONS

We are able to carry out a range of modifications to existing bearings all to original manufacturer tolerances and quality.

Relatively simple changes such as: circlip grooving, taper boring, locating, C3, C4, C5 clearances and matching pairs, can be performed relatively speedily from as little as 24 hours turnaround. More extensive modifications such as: extended inner tracks, brass cages, new inner or outer tracks etc, can also be carried out but may take a little longer.

### MANUFACTURE

The manufacture of almost any type of obsolete or special can be carried out by the company. Such as: LSN, RLW, SMTS, RLT/RLB etc. Also when standard bearings are out of stock and not in current production, we can often supply on much shorter lead times than those offered by the major manufacturers.



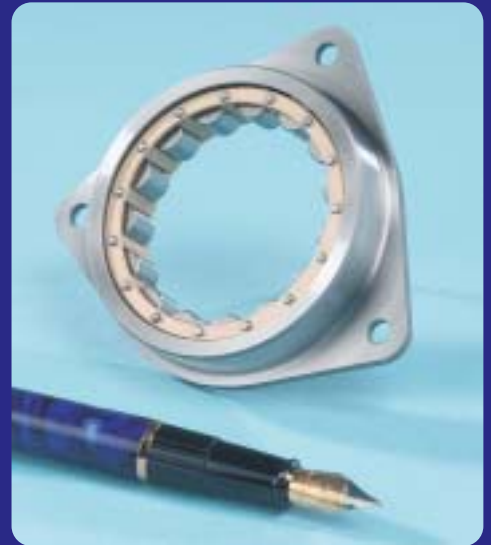
## AND REMEMBER...

HB Bearings can with a simple modification to a stock item satisfy your customer's requirements. Giving you a satisfied customer and very important in these days of high stock costs - a sale from your shelf.

Examples: - Circlip grooving, taper bores or non-standard parallel bores, locating, clearances etc.

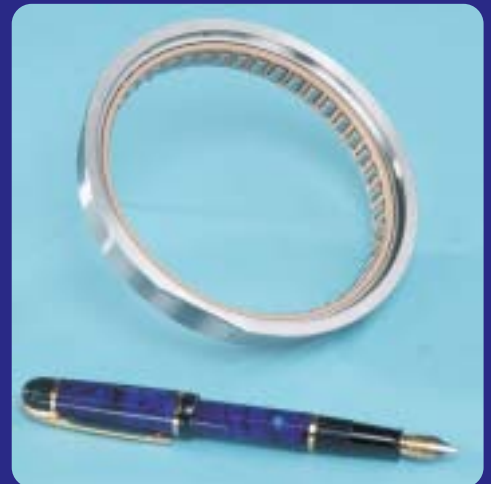
## TYPES OF MODIFICATION

Alteration to standard clearances  
Anti-rotation slots  
Bearings tapered  
Bearings made to NR  
Bearing bores opened out  
Bearings made location  
Brass cages fitted  
Oil hole on hardened inner races  
Special wire grooves  
Spherical OD added to bearings with outer fitted if required  
Taper roller bearings made to matched sets with spacers  
Oil grooves and holes added  
New inner or outer races i.e. NU to NJ or NUP  
Pairing of angular contact bearings



## TYPES MANUFACTURED

Ball bearings  
Roller bearings  
Bronze/Brass bushes  
Special size bushes with fig.8 oil grooves  
Duplex bearings  
Angular contacts  
Double row ball bearings  
LTW/RLTW type complete  
Complete specials  
Sleeves with special bores  
Withdrawal sleeves  
Ball thrust bearings  
Roller thrust bearings  
HJ Rings  
Adaptor sleeves



The above is just a selection of our services  
Please ask about your specific requirements

## HB BEARINGS

**SPEEDY BREAKDOWN SERVICE ON MODIFICATION**  
TEL: 01484 665116 OR FAX: 01484 662619  
e-mail: [sales@hb-bearings.com](mailto:sales@hb-bearings.com) [www.hb-bearings.com](http://www.hb-bearings.com)  
Expensive downtime can be kept to a minimum.

## GENERAL MANUFACTURING DATA

### MATERIALS

Hardened bearing tracks, rollers and other wear parts are manufactured from high quality carbon chrome steel to BS970-535A99, and heat treated to HRC60-64. Where other steels are required they are to commercial standards.

Cages are manufactured from leaded bronze to SAE 660 or BS1400-LB4.  
Special materials can be supplied if required.

### MANUFACTURING TOLERANCES

Bearings are manufactured to the following standards according to customer requirements.

ISO 492-1986	Metric radial bearings
ISO 199-1979	Metric thrust bearings
BS 292-1969	Imperial bearings
A.B.E.C. Standards	

Special tolerances may be requested.

Radial clearances are to ISO 5753-1991, but can be manufactured to customers requirements.

Other aspects of bearing manufacture are to ISO standards where applicable.

## OUR LOCATION



Members of the Engineering  
Industries Association

**HB** BEARINGS

**HB PRECISION ENGINEERS LIMITED**

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