



**KETCO**

**Precision Bearing Accessories**

## Why KETCO Bearing Accessories ?

### PERFORMANCE IN ALL INDUSTRIAL SEGMENTS

- Precision Taper Ratio
- Better contact area ensures enhanced life of your valuable Bearings & Machineries
- Value-for-money products
- Ready availability for the entire range of standard products

### A WIDE RANGE OF APPLICATION EXAMPLES

- Mining Industry
- Steel Industry
- Power Industry
- Engineering Industry
- Agriculture Industry
- Paper Industry

### CUSTOMER SATISFACTION

- Low operating costs in combination with high reliability
- Established Indian trade mark
- More than 40 years of experience in industry
- Long term technical know-how
- Technical support

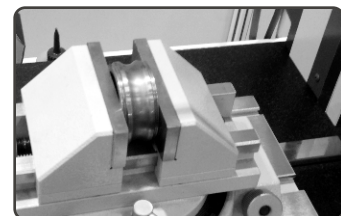
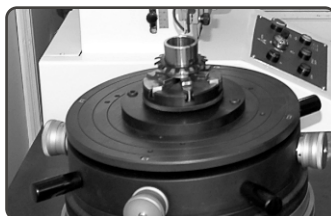
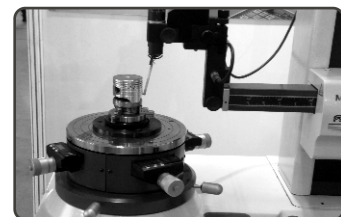


Merchant Engg. Pvt. Ltd. company is manufacturing adapter sleeves, withdrawal sleeves, Lock nuts, Lock washers since long time under the brand name KETCO and we are producing precision quality and maintaining the tolerance of run out as per requirement.

The material used i.e. C20 or C30 of IS 2073-1970 For the manufacturing of our product on CNC Machines to achieve the highest level of accuracy and every component passes through the stringent quality controls from raw materials to final dimensional accuracy, factory is well equipped with inspection equipment and gauges and we regularly celebrate all the equipment and gauges from the technical institutions and our main objective is to full fill all customers demand as earliest as possible. We also have technical staff to provide the technical support to our customers at their end.

### OUR PRODUCTS

- Adapter Sleeves
- Withdrawal Sleeves
- Hydraulic Adapter Sleeves
- Hydraulic Withdrawal Sleeves
- Lock Nuts
- Stainless Steel Lock Nuts
- Lock Washers
- Locking Clamps
- Locating Rings



## About Sleeves

Adapter Sleeves are used to secure having a tapered bore bearing on cylindrical shaft seatings. Whereas, Withdrawal Sleeves can be used to mount bearings with a tapered bore bearing on cylindrical seats of stepped shafts. The tensile strength of the material is at least 430 N/mm<sup>2</sup>. The outside surface of the sleeve has a taper of 1:12. In series H240 and H 241, the taper is 1:30.

The dimension table depicts adapter sleeve for metric/inch, shafts, fitting and dismantling of large bearing that requires high mounting forces is made easier by using hydraulic method.

In the case of adapter sleeve and withdrawal sleeve with oil slot on the tapered outside surface and a pump connector on thread side and in case of withdrawal sleeves with oil slots on the taper on side surface and two pump connectors of sets to each other than 90°. In the case of lock nuts and retailing plates, the tensile strength of the material is at least 350N/mm<sup>2</sup> and 300N/mm<sup>2</sup> respectively.

## Product Specifications



### Adapter Sleeves

The dimensions and material conform to DIN 5415/ISO 2982-1.

The bore tolerance before slitting is in the tolerance zone JS9 for the 1:12 and JS7 for 1:30 taper.

The thread conform tolerance grade 6g to din/ISO 965-3 upto M 200 size, trapezoidal threads are used over M200.



### Withdrawal Sleeves

The dimension and material conform to DIN 5416/ISO 2982-1.

The bore tolerance before slitting is in the tolerance zone JS9 for the 1:12 and JS7 for 1:30 taper.

The thread conform tolerance grade 6g to DIN/ISO 965-3 upto M 200 size, trapezoidal threads are used over M200.



### Lock Nuts

The dimension and material conform to DIN 981/ISO 2982-2. The metric precision thread upto 200 mm diameters and above larger lock nuts have trapezoidal threads.

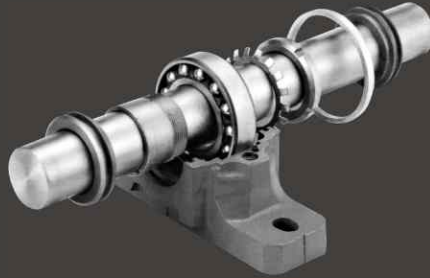
# **KETCO**

**Precision Bearing Accessories**

**ADAPTER SLEEVES**



**ASSAMBLY**



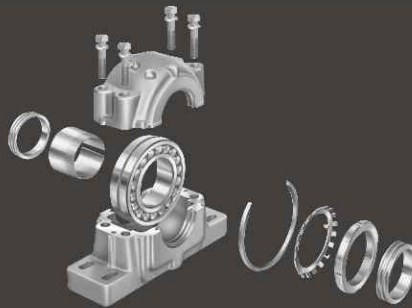
**WITHDRAWAL SLEEVES**



**LOCKING WASHER**



**ASSAMBLY**



**LOCKING NUTS**



## **MERCHANT ENGINEERING PVT. LTD.**

An ISO 9001 : 2008 Certified Company

**Manufacturers & Exporters of :- Adapter Sleeves, Withdrawal Sleeves, Lock Nuts & Lock Washers**

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