

# YRT580 Rotary Table Bearing 580x750x90 INA NC turntable bearing

## A. Product Description

**YRT bearings (rotary table bearings)** are axial and radial combined cylindrical roller bearings, including two thrust needle roller bearings and a radial cylindrical roller bearing with the combination of axial and radial PRELOAD. For the convenience of transportation and fixing, two or three symmetrical screws are fastened to the two rings in order to prevent rollers and rings generating collisions which influence bearing accuracy.

## B. Bearing Parameter & Model Table

**Structure:**Axial & Radial Trust Bearing

**Type:**Rotary Table Bearing

**Brand Name:**BYC

**Model Number:** YRT580

**Size (Metric):**

- ID (Inner Diameter, Bore) = 580 mm

- OD (Outer Diameter) = 750 mm

- Width (Height,thickness) =90 mm

**Precision Rating:** P4/P2

**Axial load rating Ca(KN):** 490

**Radial load rating Cr(KN):** 228

**Weight(Kg):** 140

**Material:**GCr15 bearing steel

**Types of Lubrication:**Grease

**Rotation part:** Inner ring or outer ring rotating

## C. Feature of Rotary Table Bearing

1. **High axial and radial load capacity.**
2. **High tilted rigidity and high precision.**
3. **Radially and axially preloaded after fitting.**
4. **Support radial loads and axial loads from both sides.**

## D. Product Application

- Precision machine tools
- Precision Turntable, NC rotary table
- Rotation part of Machine tools
- Inspection instrument,Medical equipment
- Indexing plate of other precision machines etc

## E. Installation & Cautions

1. Inspect the parts before installing:**Clean bearing bracket**,main axle or other parts to remove dirt or grease.
2. **Place the bearing into the bearing bracket** and main axle:To match the design clearance ,keep the bearing horizontal and insert the bearing into the bearing bracket or axle.If it is hard to install,use a

rubber hammer to slightly hit every part of the bearing,so that the bearing can be attention to the hitting force is too large.Afterwards,the matching status of bearing and basic face can be examined by checking the noise.For a interference fit,use heating or cooling to expand or shrink the parts for ease of installation. Be sure the bearing temperature does not exceed 80℃ .

3.**Install the mounting disc**:Place the mounting disc onto the bearing and align the screw holes, Screw all the bolts in the holes first and follow the orders show in below diagram when tightening bolts in diagonally opposite sequence,Do not tighten bolts randomly.

#### **Cautions:**

1.The normal operating temperature of YRT bearing is 10-80℃, If it is over this range,please contact BYC.

2.If a foreign substance enters inside the bearing structure, the rotation route of the roller may be damage, or the bearing may fail.Please **clean the bearing by refill the lubricant grease**.

3.Please do not remove or apply force to the bolt and nut of the split bearing.

### **G. Shipping And Payment**

1. **Industrial Neutral Packing**,Package as your requirements.

2. Small size Bearings:Plastic vacuum packaging bag+Paper Box/Neutral Carton

3.Large size Bearings:Plastic film+Pergamyn paper+Roll tape+Wooden Box

4.Shipping:By air or By sea:**DHL/TNT/UPS/EMS etc**

5.Min.Order Quantity: 5 Piece/Pieces

6.Supply Ability: 1500 Units/Year

7.Port:SHANGHAI,HK,Guangzhou

8.**Payment Terms:T/T**

### **H. BYC Bearing Service**

1.Your inquiry to our product & price will be **replied within 24 hours**.

2.OEM & ODM projects are highly welcomed. We have **strong R&D team** here to help.

3.Your business relationship with us will be **confidential to any third party**.

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