



# Slewing Bearings product catalogue





### Double-row same diameter ball slewing

FirStar double row ball slewing bearing is mainly made up of inside and outside rings. The diameters of up-row and down-row balls are the same. It is suitable for high precision mounting and capable to bear axial force, resultant torque and considerable large radial force.

### Three-row roller slewing bearings

FirStar three row roller slewing bearing is mainly made up of in-up ring, in-down ring and outside ring. Three rings are separated so each row roller loads can be confirmed exactly and they can bear axial force, resultant torque and considerable radial force at the same time. This series has the maximum load capacity of these four series. It features compact in design.



### Thin Section Slewing bearing

Generally, the structure of yaw bearings for wind turbine is single row ball slewing ring, four-point contact bearing. The yaw bearings install into the joint between tower and cabin, the pitch bearing installed into the joint between the blades and hubs. Each wind turbine has a set of yaw bearing and three sets of pitch bearing.

### Double Row Different Diameter Ball Slewing

FirStar double row different diameter ball slewing bearing is mainly made up of in-up ring, in-down ring and outside ring, so balls and spacers can be directly discharged into the upper and lower raceway. According to stress conditions, bearings are arranged to two rows of balls of different diameter. This assembly is very convenient. Angle of both upper and lower raceway is 90° so bearings can bear large axial force and resultant torque.



### Ball And Roller Combination Slewing B

FirStar ball and roller combination slewing bearings is mainly made up of inside and outside rings. Upper-row use rollers and down-row use balls. It is suitable for high precision mounting and capable to bear axial force, resultant torque and considerable large radial force.

### Single Row Cross Roller Slewing Bearing

FirStar single row cross roller slewing ring is mainly made up of inside and outside rings. It features compact in design, light in weight, small in assembling clearance, and high in installing precision. As the rollers are crossed arranged by 1:1, it is suitable for high precision mounting and capable to bear axial force, radial force and resultant torque simultaneously.



### Four Point Contact Ball Slewing Beari

FirStar single row four point contact ball slewing rings is composed of two seat rings, which design in compact structure and light weight, steel ball contact with the circular raceway at four points; it can bear the axial force, radial force and the tilting moment at the same time.



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