



- 1. INNER RING
- 2. OUTER RING
- 3. SEAL
- 4. SPACER
- 5. ROLLER

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- **Ring material**

LYJW bearing ring is made of GCr15I. GCr15 is a high carbon chromium bearing steel with less alloy content. After quenching and low temperature tempering, it has high hardness, uniform structure, good wear resistance and high contact fatigue performance.

- **Rolling elements**

In general, the rolling elements used in LYJW slewing bearings are made of integrally quenched and hardened carbon-chromium bearing steel, such as GCr15 or GCr15SiMn steel. Its feature high abrasion resistance and long service life.



- **Spacers**

The cages used in LYJW slewing bearings have different structural types such as integral, segmented or isolated block cages.



## ● Lubricating

The crossed roller bearing has been filled with high-quality lithium complex grease when it leaves the factory, so it can be used directly after receiving the bearing. However, after a long period of operation, the grease will be consumed to varying degrees. If the lubrication is insufficient, the frictional resistance will increase and the service life will decrease. Therefore, the grease must be added regularly. Grease the oil holes connected to the upper oil tank. The replenishment period is about 1-6 months according to different usage conditions. When replenishing, please use the same grease to fill it up and distribute it evenly in the internal structure of the bearing; sealed cross roller bearings The lubrication cycle can be appropriately extended. Please avoid mixing different greases.

After the bearing is greased, the friction torque will temporarily increase in the early stage of operation, but when the grease is evenly distributed between the rollers and the raceways, the friction torque will return to the normal level in a short period of time.

## ● Accuracy standard

### Rotation Accuracy of the Inner Ring of JRBH

( Unit ) :  $\mu\text{m}$

Inner ( d ) diameter ( mm )		Inner ring radial runout					Outer ring axial runout				
Above	or less	P0	P6	P5	P4	P2	P0	P6	P5	P4	P2
18	30	13	8	4	3	2.5	13	8	4	3	2.5
30	50	15	10	5	4	2.5	15	10	5	4	2.5
50	80	20	10	5	4	2.5	20	10	5	4	2.5
80	120	25	13	6	5	2.5	25	13	6	5	2.5
120	150	30	18	8	6	2.5	30	18	8	6	2.5
150	180	30	18	8	6	5	30	18	8	6	5
180	250	40	20	10	8	5	40	20	10	8	5
250	315	50	25	13	10		50	25	13	10	
315	400	60	30	15	12		60	30	15	12	
400	500	65	35	18	14		65	35	18	14	
500	630	70	40	20	16		70	40	20	16	
630	800	80	45	23	18		80	45	23	18	
800	1000	90	50	25	20		90	50	25	20	
1000	1250	100	55	30	25		100	55	30	25	