

## IDEAL BEARING / Quality Control For IB062, IB063 Products

Working Step 1: Casting Material

Equipment: Casting Stove

Checking Tools: Hardness Testing Instrument & Hydraulic Universal Testing Instrument & Metallograph Instrument & Vernier Caliper

Checking Points: Mechanical Properties & Chemical Composition & Size & Out Looking

Details: 1. Check the material hardness.

2. Check the material mechanical properties.

3. Check the material Chemical Composition.

4. Check the raw material size.

5. Keep good appearance, no crack, no sand hole, no burr.

Working Step 2: Machining to Sizes.

Equipment: Digital Controlled Lathe Machine

Checking Tools: Outside Micrometer for Outer Diameter; Inside Caliper for Inner Diameter;  
Micrometer for Wall Thickness

Checking Points: Outer Diameter, Inner Diameter and Wall Thickness

Details: 1. Machining the outer diameter to size.

2. Machining the inner diameter to size.

## IDEAL BEARING / Quality Control For IB062, IB063 Products

### Working Step 3: Chamfering

Equipment: Digital Controlled Lathe Machine

Checking Tools: Vernier Caliper & Universal Angle Gauge

Checking Points: Inner Chamfering, Outer Chamfering and Length

Details: 1. Machining the outer chamfering to size.

2. Machining the inner chamfering to size.

3. Machining the length to size.

### Working Step 4: Hardening

Equipment: Hardening Stove

Checking Tools: Hardness Testing Instrument

Checking Points: Surface Hardness

Details: 1. Control the surface hardness.

### Working Step 5: Grinding

Equipment: Grinding Machine

Checking Tools: Outside Micrometer for Outer Diameter; Inside Caliper for Inner Diameter;  
Micrometer for Wall Thickness

Checking Points: Outer Diameter, Inner Diameter and Wall Thickness

Details: 1. Grinding the outer diameter to size.

2. Grinding the inner diameter to size.

## IDEAL BEARING / Quality Control For IB062, IB063 Products

Working Step 6: Packing

Equipment: People

Checking Tools: Ocular Estimate

Checking Points: Appearance

- Details: 1. Reject the bad appearance products.  
2. Reject the bad chamfer products.

IDEAL