

IDEAL BEARING / Quality Control For IB14 Products

Working Step 1: Sintering Material

Equipment: Sintering Stove

Checking Tools: Micrometer

Checking Points: Thickness Tolerance

Details: 1. Check the tolerance of wall thickness.

Working Step 2: Cutting Circumference

Equipment: Punch Press Machine

Checking Tools: Vernier Caliper

Checking Points: Circumference Size

Details: 1. Keep good appearance, no scratch on the two surfaces.

2. Check the tolerance of wall thickness.

3. Control the burrs.

Working Step 3: Remove Burrs

Equipment: Belt Sander

Checking Tools: Ocular Estimate

Checking Points: Two Ends Burrs

Details: 1. Keep good appearance, no scratch on the sliding layer.

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Working Step 4: Cutting Length

Equipment: Cutting Machine

Checking Tools: Vernier Caliper

Checking Points: Length Size

- Details: 1. Keep good appearance, no scratch on the sliding layer.
2. Control the burrs.

Working Step 5: Rolling

Equipment: Rolling Machine

Checking Tools: Ocular Estimate

Checking Points: Roundness & Out Looking

- Details: 1. Keep good appearance, no scratch on the sliding layer.
2. Control the small split.

Working Step 6: Forming

Equipment: Hydraulic Press Machine

Checking Tools: Ring Gauge for Outer Diameter; Housing & Plug Gauge for Inner Diameter;
Micrometer for Wall Thickness

Checking Points: Outer Diameter, Inner Diameter and Wall Thickness

- Details: 1. Keep good appearance, no scratch on the sliding layer.
2. Check the tolerance of outer diameter, inner diameter and wall thickness.

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Working Step 7: Packing

Equipment: People

Checking Tools: Ocular Estimate

Checking Points: Appearance

- Details:
1. Reject the bad appearance products.
 2. Reject the bad sliding layer products.
 3. Reject the bad split products.

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