



An ISO 9001 Certified Company

# Bearing Manufacturer China

A Trusted Brand Since 2000





## **FHD Bearings is a trademark registered with DPMA Germany**

Founded in 2000, FHD Bearings has emerged as a premier manufacturer and distributor of precision-engineered bearings catering to a diverse array of industries globally. The state-of-the-art factory spans nearly 40,000 square meters and employs a dedicated team of 330 professionals.

With a rich legacy of excellence, FHD has solidified its reputation as a trusted partner, committed to delivering high-quality bearing solutions that fuel innovation and enhance performance across various applications.





# Bearing Manufacturer Since 2000

Trusted by 1,000+ Clients



Reception



Forging Workshop



CNC Workshop



Packaging Workshop



Packaging Workshop



Assembly Workshop



Assembly Workshop



QC Dept.



Warehouse





**20+** Years of Experience

**50** Million Registered Capital

**300+** Employees

**40** K m<sup>2</sup> Covering Area

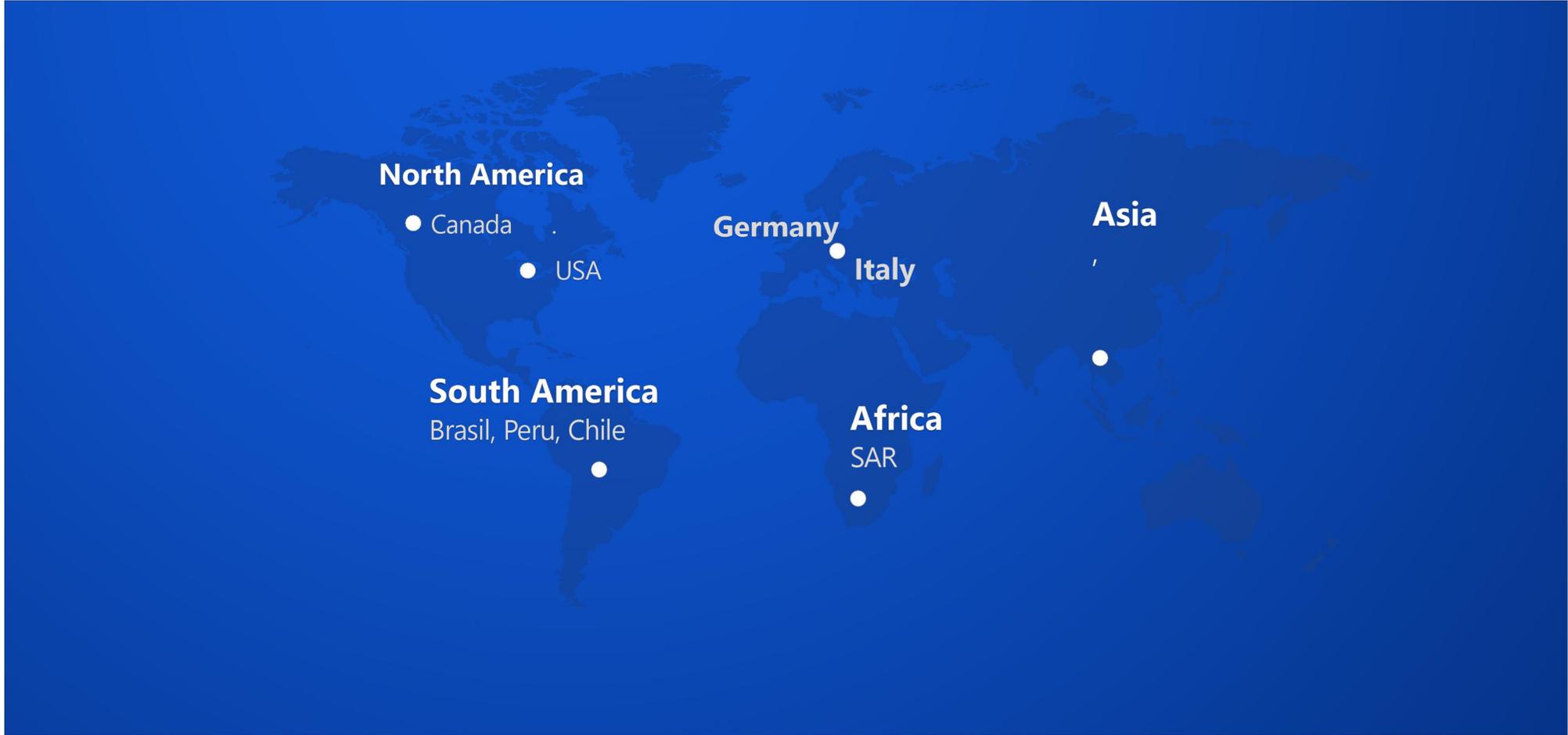
**20+** Exported Countries

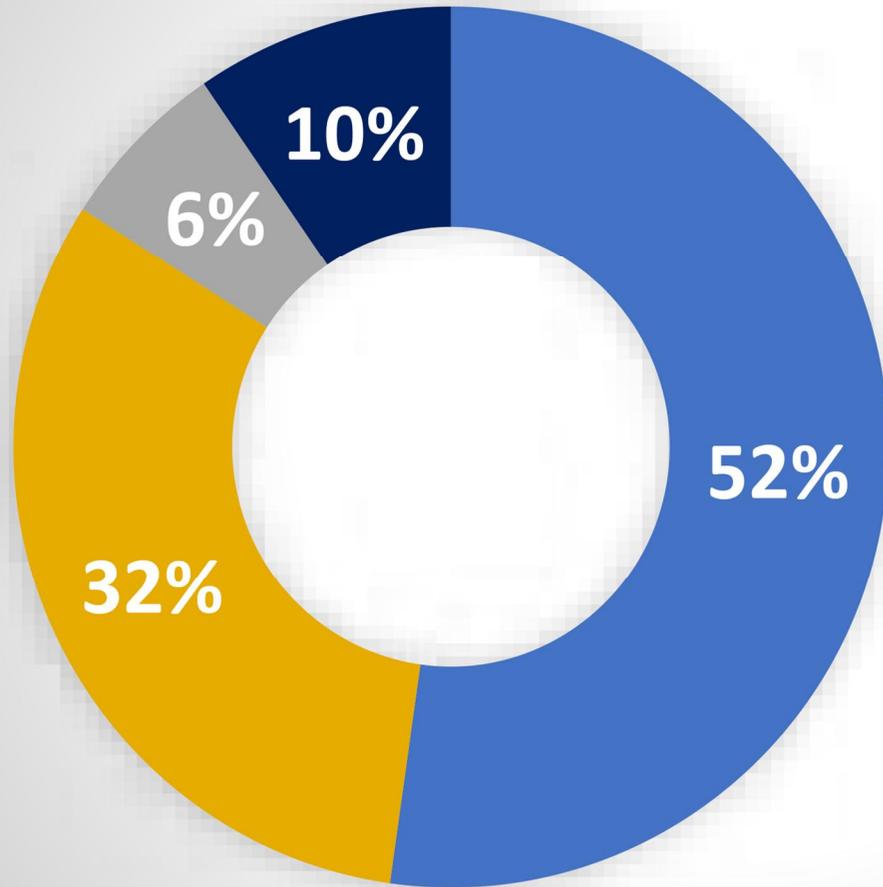
**50** Million Yearly Output





**Our Market**





**Revenue 2023 - US\$2.2 Million**

- Asia
- America
- The Rest of World
- EU





Adapter Sleeve



Ball Screw Bearings



Ball Bearings



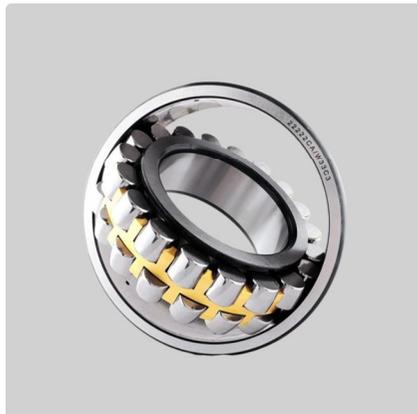
Ceramic Bearings



Custom Bearings



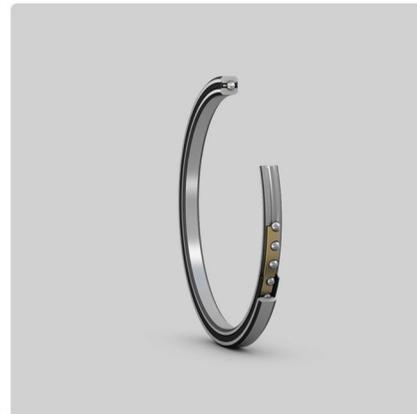
Pillow Block Bearings



Roller Bearings



Super-precision Bearings



Thin Section Bearings



Universal Joint Bearings





**Applications Served**

- ✓ **Industrial machinery**
- ✓ **Construction Equipment**
- ✓ **Gear Boxes**
- ✓ **Tractor**
- ✓ **Electric Motors**
- ✓ **Trailer**
- ✓ **Steel mills**
- ✓ **Heavy Duty conveyors**
- ✓ **Levellers**
- ✓ **Oil and Gas**





### Inner / Outer Race

- SAE 52100 with less than 15 ppm oxygen control
- SAE 8620 based on request

### Cage Material

- Cage Material used vary from CRCA, Brass, Bronze and polyamide as per specification
- Steel cage material as per IS 4397
- Brass cage material as per DIN 17660

### Dimensional Capability

- Min bore : 10mm
- Max bore : 500 mm

### Capacity

#### BALL BEARINGS

- 150,000 pcs per month

#### ROLLER BEARINGS

- 125,000 per month





# Solid Grease Bearings



## Application

- Agricultural industry
- Packaging industry
- Food and beverage
- Railway technology
- Pumps & electric motors
- Construction machinery
- General mechanical engineering
- Mobility





# Ceramic Bearings

## Unique Selling Point



- ▶ **High-Temperature Resistance:** Withstands extreme heat, ideal for high-heat environments.
- ▶ **Corrosion Resistance:** Highly resistant to corrosion, ensuring long-lasting use.
- ▶ **Lightweight:** Lighter than steel, reducing equipment weight.
- ▶ **Low Friction:** Minimal friction cuts energy use and boosts efficiency.
- ▶ **High-Speed Capability:** Handles high speeds with less heat and friction.
- ▶ **Longer Service Life:** Durable ceramic material extends bearing life.
- ▶ **Precision:** Delivers consistent, accurate performance for critical tasks.





# Caterpillar Alternative Bearings

## Pain Point

The original Caterpillar bearings are very EXPENSIVE for after-sale market

**FHD Bearings** is building up stock to replace most Caterpillar bearings with affordable & reasonable costs



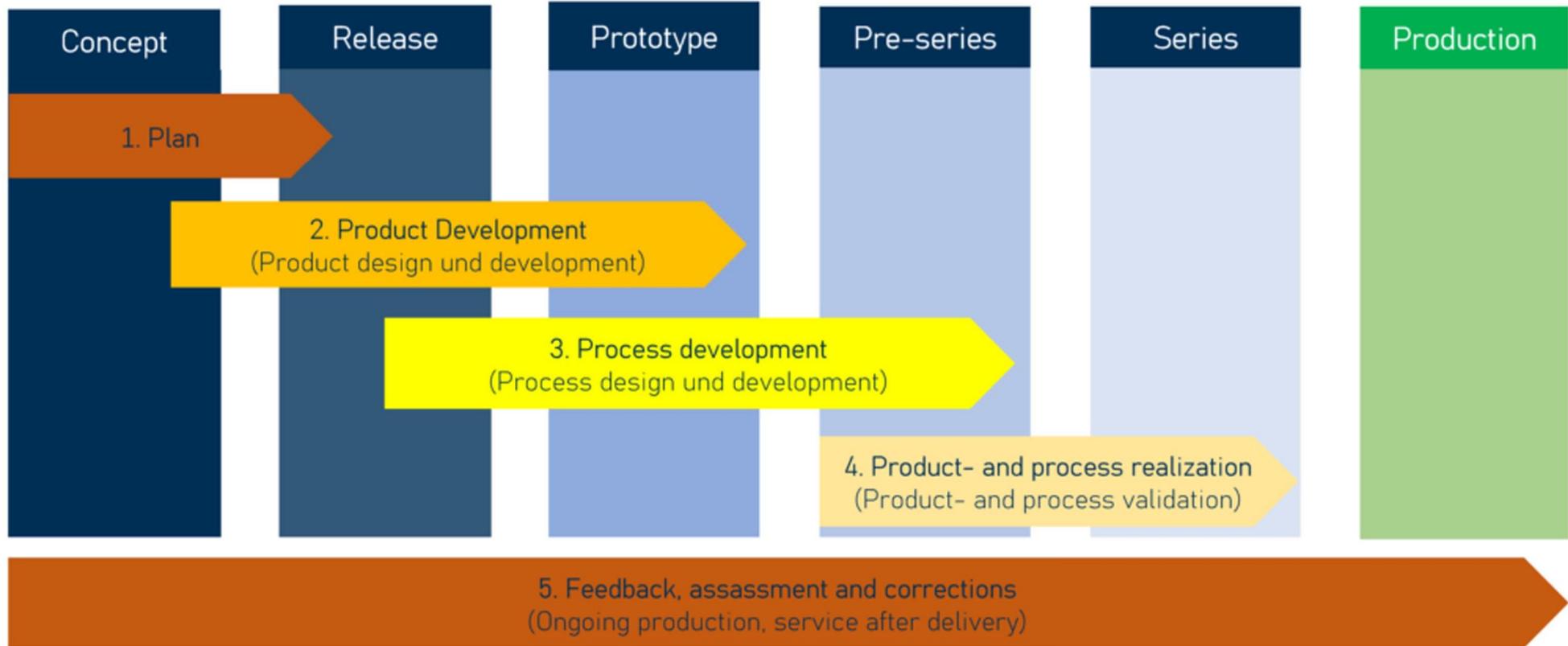
ITEM	REFERENCE	DESCRIPTION
1	6V0457	Tapered Roller Bearing Cone; 7.8 x 7.6 x 2.6 inches; Weight: 4.8 kg
2	8S9075	Tapered Roller Bearing Cone; ID: 110 mm; H: 35 mm; Weight:1.68 kg
3	8S9076	Tapered Roller Bearing Cup; OD:165 mm; H:26.4 mm; Weight:0.87 kg
4	6S2828	Tapered Roller Bearing Cup; OD:120 mm; H:32 mm; Weight: 0.68 kg
5	1T0043	Ball Bearing; ID: 50.04 mm; OD: 89.92 mm; H: 9.14 mm; Weight: 0.045kg
6	9S3582	Tapered Roller Bearing Cone; 3.3 x 3.3 x 1.3 inches; Weight: 0.32 kg
7	9S3581	Tapered Roller Bearing Cup; 8 x 5 x 0.7 inches; Weight:0.14 kg
8	9S7949	Tapered Roller Bearing Cup; OD: 115 mm; Weight: 0.32 kg

ITEM	REFERENCE	DESCRIPTION
25	4M1552	Tapered Roller Bearing Cone; ID: 76.2 mm; OD: 146.05 mm H: 30.162 mm; Weight: 2.5
26	3F5920	Tapered Roller Bearing Cup; 5.75 * 6.75 * 1 inches; Weight: 2 kg
27	5P1669	Ball Bearing; ID: 158.75 mm;OD: 216 mm; H: 29 mm; Weight: 1 kg
28	2D9457	Tapered Roller Bearing Cone; ID: 133.35 mm; OD: 188 mm H: 43.18 mm; Weight:
29	6B4852	Tapered Roller Bearing Cone; ID: 139.7 mm; OD: 228.6 mm H: 57.15 mm; Weight: 5.76
30	7S1874	Tapered Roller Bearing Cone; ID: 133.35 mm; H: 47.625 mm; Weight: 4.76 kg
31	4D4324	Tapered Roller Bearing Cone; ID: 247.65 mm; H: 63.5 mm; Weight: 12.16 kg
32	5P0505	Tapered Roller Bearing Cone; ID: 248 mm; H: 74.612 mm; Weight: 24.4 kg





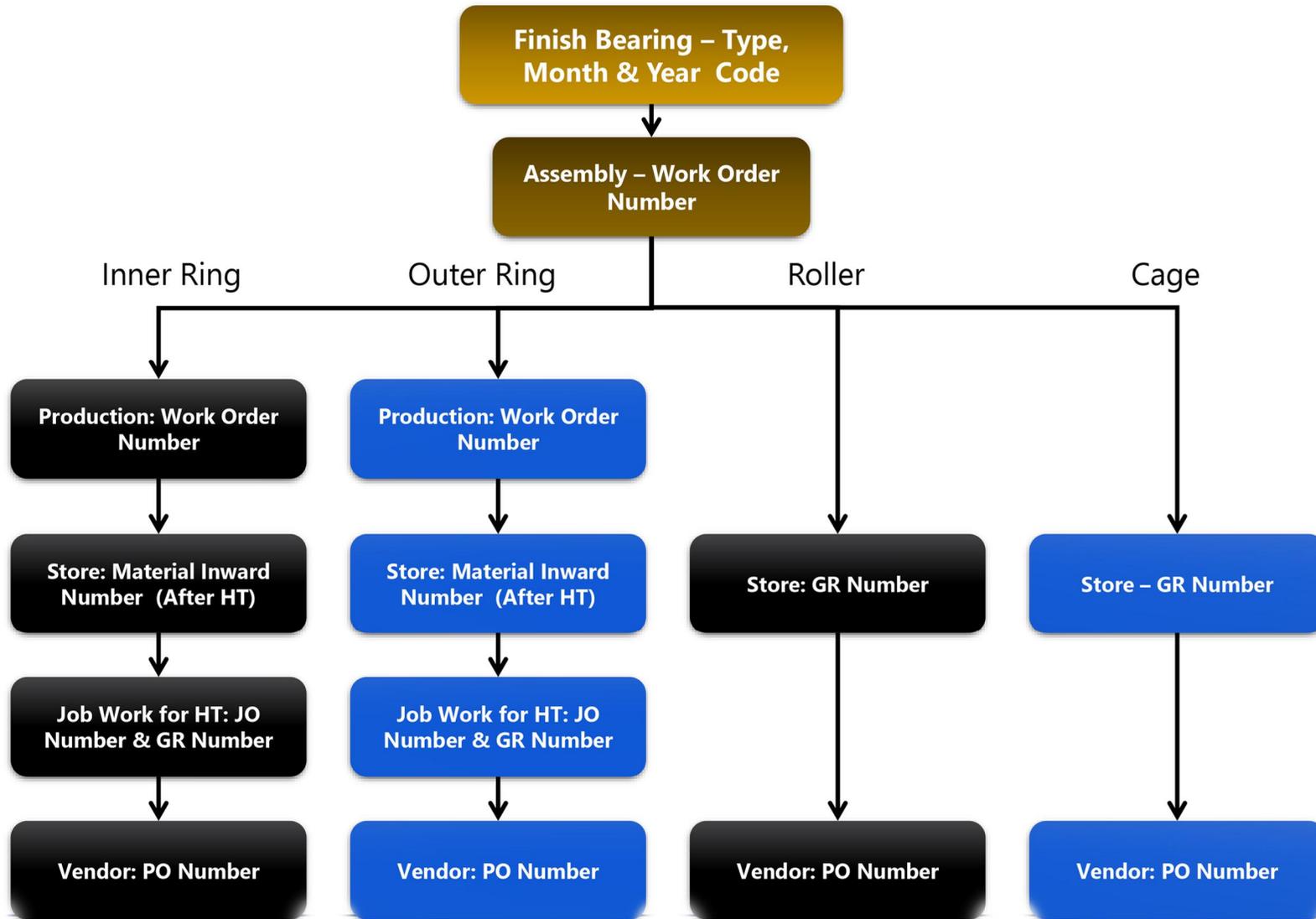
## Quality Planning APQP





- |  |  |   |  |   |   |   |   |
|--|--|---|--|---|---|---|---|
| <ul style="list-style-type: none"> <li>• Cracks</li> <li>• Microstructure</li> <li>• Composition</li> <li>• Impurities</li> <li>• Chemical Analysis</li> </ul> | <ul style="list-style-type: none"> <li>• Dimensional</li> <li>• Hardness</li> <li>• Micro-structure</li> </ul> | <ul style="list-style-type: none"> <li>• Hardness</li> <li>• Crack</li> <li>• Microstructure</li> <li>• Dimension</li> <li>• Drop-test</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Parallelism</li> <li>• Visual</li> <li>• Flatness</li> <li>• Roughness</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Ovality – 2pt, 3 pt</li> <li>• Roundness</li> <li>• Roughness</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Taper</li> <li>• Roundness</li> <li>• Ovality-2pt.</li> <li>• Concentricity</li> </ul> | <ul style="list-style-type: none"> <li>• Dimensional</li> <li>• Float</li> <li>• Roller movement</li> </ul> | <ul style="list-style-type: none"> <li>• Size</li> <li>• Ovality – 2 pt, 3 pt.</li> <li>• Roundness</li> <li>• Roughness</li> </ul> |
|--|--|---|--|---|---|---|---|







ZEISS VAST XT



Zeiss Metallographic Analyzer



Zeiss Three-Coordinate



Oxygen & Nitrogen Analyzer



Profilometer



Roundness Instrument



Taylor Roundness Instrument



Spectrometer









# Are you looking for a reliable bearing Manufacturer in China? Get in touch now!

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Thank You! 

