

We are Making
AEROSPACE BEARINGS & PARTS
per Customer Drawing



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for more information.



ISO 9001:2015 & AS 9100 D

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About Phoenix Aerospace Components, Inc.

Dear Prospective Customer,

Please find below a few words about our company, Phoenix Aerospace Components, Inc. (PAC).

We are looking for companies that have a need for aerospace quality components (including ball and roller bearings). Our main targets are PMA distributors and MRO's. The PMA distributors own the intellectual property (drawings) and can order components. The MRO's can consume the parts in the repairs they perform usually under a DER approval without a need for a PMA.

We are not limited to the ones described above. We can deliver aerospace quality parts to any company interested, including OEM's.

We offer very competitive prices and fast delivery.

In order to control the quality of our products, we are going to take samples from each and every shipment and have them inspected to the blueprints' requirements. The inspection is performed in the USA, at an ISO and AS certified inspection facility. A certificate of conformance will be issued with each shipment.

I also invite you to visit our webpage: www.phoenixaerocomponents.com

We are looking forward to a lasting and prosperous business relationship.

Best regards,

Emanuel Branzai

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COMPANY PROFILE

Phoenix Aerospace Components, Inc. (PAC) provides the aerospace industry with a comprehensive line of specially manufactured components per customer drawings and specific requirements.



CAPABILITIES

- 15+ Years Experience
- Specialized in Aerospace & Industrial
- Serving FAA-PMA Market
- ISO 9001 & AS 9100D Certified
- Manufacturer per Customer Drawing
- FAI Per AS9102
- Over 1,000,000 Aerospace Parts Delivered
- Over 100,000 Aerospace Bearings Delivered

Phoenix Aerospace Parts



Phoenix Aerospace Bearings



Phoenix Aerospace Bearings

AEROSPACE BEARINGS

- Miniature Bearings
- Angular Contact Bearings
- Deep Groove Bearings
- Cylindrical Roller Bearings
- Needle Roller Bearings

CAPABILITIES

- High precision capabilities
- High durability
- High wear-resistance
- High operational safety
- Low cost effective solutions
- Short lead times (12 weeks)
- Small lot production
- FAA-PMA Support
- FAI per AS9102

MATERIAL

- High performance materials
- AISI 52100 AMS 6440/6444
- M-50 AMS 6491
- AISI 440C per AMS5618



Phoenix Aerospace Parts

AEROSPACE PARTS

- Bushings
- Sleeves
- Ferrules
- Washers
- Pins
- Nuts
- Seal Air Stationary
- Etc.

MATERIALS

- High performance materials
- Cobalt Base Alloy
- Stainless Steel
- Nickel Base Alloy

CAPABILITIES

- Low cost effective solutions
- Short lead times (12 weeks)
- Small lot production
- FAA-PMA Support
- FAI per AS9102

CATALOG DOWNLOAD

- www.phoenixaerocomponents.com

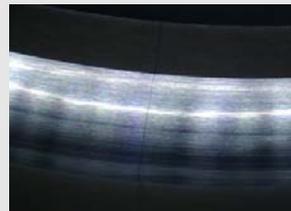


FRACTURED OUTER RING BALL BEARING

Fractured Outer Ring Ball Bearing design permits the use of extra balls into the bearing complement. The extra balls increase the static and dynamic capacities of the bearing and allows a smaller boundary bearing (smaller chassis) to be used in applications where size and mass/weight are very important.

Problems arise in the fabrication of fracture bearing rings by conventional methods. Particularly, unless the ring cracks cleanly there is a danger that small loose metallic particles could be created which could become defects and significantly reduce the bearing life. It is estimated that the production yield is 60% or less of the total order for most manufacturers.

Phoenix Aerospace Components Inc. (PAC) has developed a proprietary method of making such a fracture ring with 90%, or better, yield. The rings manufactured by this method assures that the outer roundness and runout to bore meet the ABMA ABEC class requirements. Also, the bearings tested with an Anderometer (a dynamic bearing analyzer) show noise values very similar to a regular one-piece outer ring ball bearing.



REVERSE ENGINEERING SERVICES

REVERSE ENGINEERING SERVICES

Phoenix Aerospace Components, Inc. (PAC) provides **Reverse Engineering Services**. PAC is able to work on any reverse engineered aerospace ball, roller bearings and aerospace components.

The manufacturing drawing generation will be based on five samples supplied by customer.

We also provide FAA drawing / processes approval through a consultant DER.

