




**AMERICAN** PRECISION group

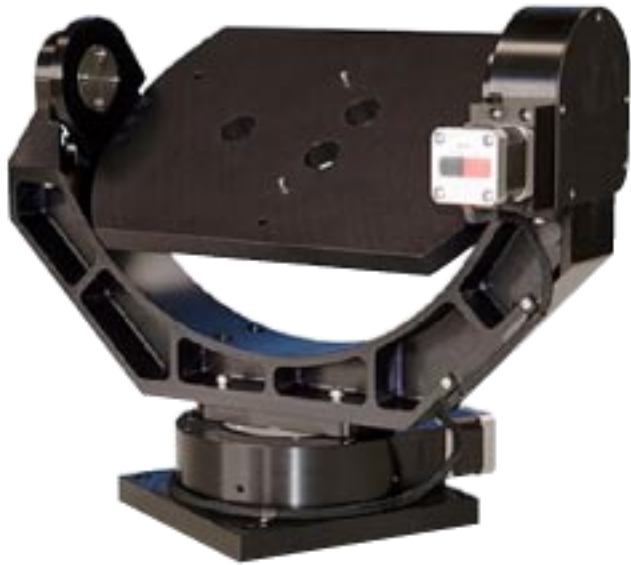


Thin Section Bearings  
Turntable Bearings



# Markets Served

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- Industrial Automation
- Semiconductor
- Energy
- Medical
- Armament
- Sensors & Telemetry

**EXPERIENCE**



# Products

## Standard Thin Section Bearings



- All Contact Types:  
Angular, Radial, 4-Pt & Duplex Pairs
- Bore sizes .875" - 35"
- Special Retainers
- Low Friction Seals
- Precision Classes: Abec 1F - 7F
- Lubricant Selection per Application

## Turntable Bearings

- Large Diameter Turntables
- DFAR Compliance
- Ceramics & Hybrids
- Design to Spec
- Build to print
- Wind Power Pitch & Yaw
- Modified Standard Bearings



# Advanced Solutions

## Custom Bearings

**APG offers a full range of custom capabilities to meet specific performance objectives including:**

- Reduced noise
- Special separators
- Special diametral fits
- Maximum load & stiffness
- Metric, inch and custom sizes
- Special materials and coatings
- White room assembly and packaging
- Low torque seals, shields, and Lubricants
- Custom internal geometry to reach specific performance
- Additional features such as: fit-ups, mounting holes, and flanges



**Additional Custom Features Are Available For Special Application Requirements**

**For innovative and unique applications, challenge our flexibility and custom capabilities.**

**SERVICE**



# Engineering Services

## Special Engineering Design Service



- Rolling Bearing Design & Specification
- Tribology System Design & Analysis
- Structural Analysis
- Thermal Analysis
- Vibration Analysis
- Rotor Dynamics & Diagnostics
- Refurbishing Thin Section Bearings

## Additional Services

- Failure Analysis
- Accelerated Life Testing
- Stiffness & Vibration Testing
- Performance & Functional Testing
- Break-away and Slow Speed Torque Testing



**QUALITY**

The logo for American Precision Group features a series of grey dots of varying sizes arranged in a curved path, resembling a stylized gear or a signal waveform.

**AMERICAN PRECISION** group

**Headquarters**

3711 Long Beach Blvd  
Suite 1016-G  
Long Beach, CA 90807  
P: 562-424-8800  
[www.amprecisiongroup.com](http://www.amprecisiongroup.com)

**North America Representative**



**The Precision Alliance**

4215 Pleasant Rd.  
Fort Mill, SC 29708  
P: 803-396-5544  
F: 803-396-7810  
[www.tpa-us.com](http://www.tpa-us.com)