



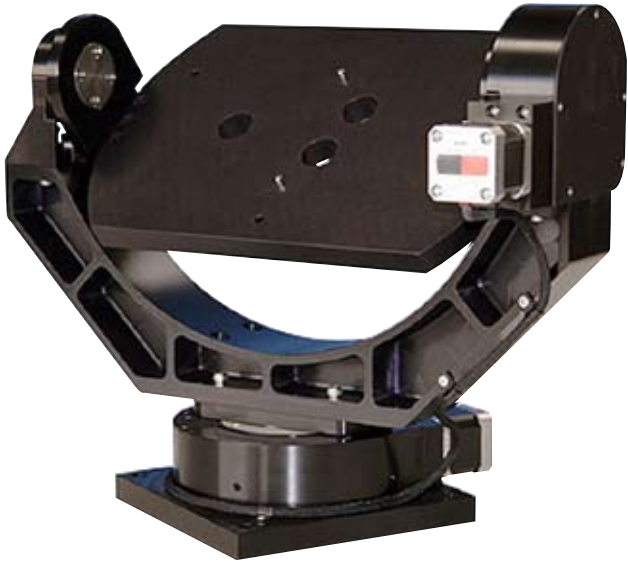
**AMERICAN** PRECISION group



Thin Section Bearings  
Turntable Bearings



# Markets Served



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



# 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 and 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

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## Custom Bearings

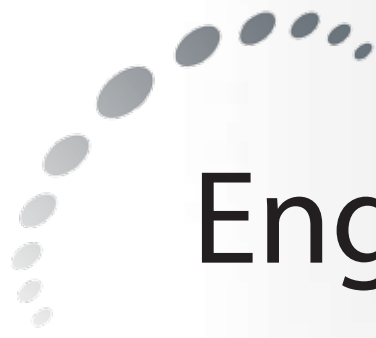
APG offers a full range of custom capabilities to meet specific performance objectives including:

- 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.



# Engineering Services

## Special Engineering Design Service



- Rolling Bearing Design & Specification
- Tribology System Design & Analysis
- Structural Analysis
- Thermal Analysis
- Vibration Analysis
- Rotor Dynamics & Diagnostics

## Additional Services

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



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.

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