



AMERICAN PRECISION group

Precision Thin Section, Turntable and Custom Bearings

Precision Bearings

Thin Section

APG is a domestic manufacturer of thin section bearings that are DFAR compliant and meet ABMA 26.2 Requirements. We offer Radial, 4-PT and Angular Contact Ball Bearings. Sizes range from 1.00" to 35.00" ID's and .1875" to 1.00" cross sections, Open & Sealed.

Call us to find out more about:

- * APG Low Drag Seals
- * Sealed Duplex Pairs
- * 440C Races & Hybrids
- * Low Torque and Moment Stiffness Performance

Quickmount

A solution for ready-to-mount Thin Section Bearings. Built-in features eliminate the use of clamp rings and expensive machined Shafts & Housings. Thin profile with off-set rings, mounting holes, seals and lubed for maintenance free use. Sizes range from 1.5" to 10.5" ID's, gearing and timing belt options available.

Call us to review your next opportunity we look forward to demonstrating our commitment to total customer satisfaction.

www.amprecisiongroup.com



Thin Section Bearings offer Design Engineers high performance ball bearing solutions with minimal weight and envelop impact. Standard sizes and contact types provide a wide range of options to control friction at the bearing interface. These bearings are commonly specified with tight internal fit-ups to achieve specific stiffness and torque performance. APG offers 440C, 52100 race & ball materials with brass, delrin, PEEK as well as other material options. We look forward to assisting you in the selection of the appropriate bearing for your next application.



Quickmount Precision Turntable Bearings offer all the advantages of thin section bearings with the ease of mounting of a traditional turntable bearing. The compact height of .350" includes a .050" off-set between the rings for flush mounting. Mounting hole options include counter bored and thru holes for a #4-40 fastener or #6-32 UNC drilled and tapped holes. Bearing ID's and OD's can be used for pilot diameters. Standard features can be adjusted for high speed, stiffness or low torque at no added cost. These sealed, & lubed 52100 steel bearings are available with TDC coatings and 440C balls for corrosion resistance.



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MANUFACTURERS' REPRESENTATIVE
PH: 714-841-7902

APG Additional Products and Markets Served

Turntable Bearings:

APG is one of the few domestic manufacturer's of Non-geared, Externally-geared and Internally-Geared Turntable Bearings. Sizes range from 3" to 32" OD's. We also offer slewing ring bearings for industrial applications up to 6M's.



APG offers custom and Industry standard 4-Pt design configurations typically made to order. We also offer large diameters for industrial applications in 4-Pt, 8-Pt and 3-row roller designs up to 6 meters. We can accommodate TDC coatings and design options to meet your performance requirements. Call to find out how our competitive lead times and prices can meet your next application requirement.

Custom Bearings

We are uniquely suited to deliver custom Ball bearings for OEM applications. Sizes, materials, configurations, separators, seals & shields, mounting holes and lubricants are a few of the features customized.



APG offers custom ball bearing solutions for customers seeking increased performance or cost saving features. We look forward to learning about your unique performance objectives in order to recommend a solution that that takes your focus off the bearing and allows you to concentrate on your core competencies.

Ultra-Profile Bearings

If Standard Thin Section Bearings just don't fit, go Ultra-Thin with APG's Ultra-Profile Series. Sizes range from 35mm to 170mm ID's and a 2.5mm width. These are available in stainless steel with Radial, 4-Pt and Angular Contact types.



Ultra-Profile bearings provide a creative solution for lightly loaded applications where space is extremely limited. With the smallest width to diameter ratios available, your mechanism can be greatly reduced in overall size, weight and power consumption.

Industries & Markets Served



Automation-Robotics-Manipulators-Indexers-Rotary Tables-Medical Devices-Antennas-UGV's-UAV's-Gimbals-Camera Mounts-Surveillance-Sensors



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