



NATIONAL PRECISION

**Reliable.
Responsive.
Relentless.**

CAPABILITIES



**ISO 13485
9001 AS 9120
9100D
QUALITY REGISTERED**

NATIONAL PRECISION

Bearing and Motion Solutions



National Precision is a leading supplier of bearings, motion-related products, and engineered solutions to a wide range of markets, including medical, aerospace, and diversified industrials.

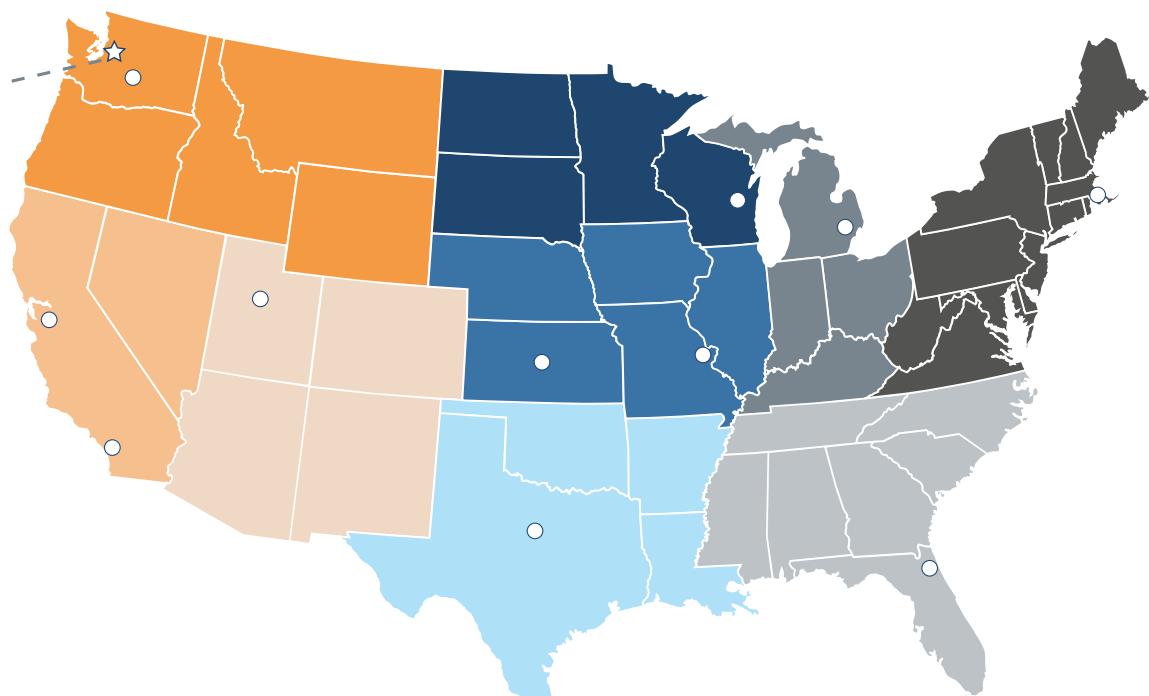
Since 1979, we have demonstrated our commitment to long-term relationships and the success of our customers, suppliers and employees.

WE'RE HERE TO HELP

National Precision offers engineering services for all phases of the design lifecycle, from initial design consultation to bearing damage and failure analysis, including recommended solutions.

Our technical expertise, extensive inventory, ISO Class-6 cleanroom relubrication services and nationwide sales team enables us to provide the most effective solutions in the marketplace for our customers.

- » Headquarters ☆
- » Sales Office Locations ○



National Precision
8152 304th Ave. SE
PO Box 5012
Preston, WA 98050
800.426.8038
sales@nationalprecision.com
www.nationalprecision.com



Miniature Bearings

- » Precision Inch and Metric Sizes
- » Modified Dimensions and Special Configurations in Stock
- » Dental and Medical Bearings
- » High Speed and Specialty
- » Instrument Bearings
- » Angular Contact, Ceramic Ball, Special Cages and Lubricants



Ball Bearings

- » Inch and Metric Sizes
- » Sealed, Shielded, and Open Configurations
- » R Series and 1600 Series
- » 6000, 6200, and 6300 Series
- » Ceramic Hybrids
- » High Temperature
- » Specials



Custom Assemblies

- » Bearing Assemblies
- » Rod End Assemblies
- » Custom Designed Parts
- » Prototype Samples
- » Engineering/Testing Capability
- » Machined & Cast Parts to Print
- » forgings



Spherical Plain Bearings

- » Inch and Metric Sizes
- » Open and Sealed
- » Standard and Heavy Duty Series
- » Extended Inner Race Series
- » Self-Lubricating Series
- » Angular Contact



Self-Lubricating & Pre-lubricated Bearings

- » Inch and Metric
- » Straight and Flanged
- » Thrust Washers
- » Self-Lubricating
- » High Load Capacity
- » Low Friction



Needle Roller Bearings

- » Drawn Cup
- » Heavy Duty
- » Thrust Type
- » Roller Clutch
- » Track Rollers
- » Inner / Outer Rings



Aerospace Bearings

- » Track Roller & Cam Follower
- » Airframe Control Bearings
- » NAS & MIL Spec Bearings
- » Rod End & Spherical Bearings
- » Avionic & Instrument Bearings
- » Journal Bearings
- » Slotted Entry Type
- » Thrust & Needle Bearings
- » Self-Lubricating Bearings



Thin Section Bearings

- » Angular Contact
- » Radial Contact
- » Four Point Contact
- » Matched Pairs
- » 440 Stainless
- » Sealed, Shielded & Open Configurations
- » Custom & Specialty
- » USA Manufactured



Aerospace Tools

- » Swaging and Staking
- » Cutting
- » Installation and Removal
- » Rotational torque measurement
- » Proof-load Testing
- » Drill-press and Portable
- » Tri-Roller, Anvil, and Custom
- » Go Kits



Slewing Ring Bearings

- » Flanged & Rectangular Cross Sections With or Without Gears
- » Four & Eight Point Contact Type
- » Cross Roller & Heavy Duty Type
- » Configurable Lube holes & Grease Fittings
- » Pinons
- » Flexible Manufacturing Options

ISO Class 6 (Class 1000) Cleanroom

National Precision is Factory Authorized For Relubrication To Your Specifications

- » Update Your Bearing Inventory
- » ISO Class 6 (Class 1000)
- » Cleanroom Facility Near Seattle, WA
- » AS9100/ISO and Factory Certified Facility
- » Complete Documentation and Traceability for All Orders
- » Relubricate and Refresh Expired Bearing Inventory
- » Extensive Range of Lubricant Options
- » Small and Large Volume Orders
- » Same Day Service Available



Commonly Relubricated Bearing Types:

- » Miniature Ball Bearing
- » Needle Roller Bearings
- » Angular Contact Bearings
- » Deep Groove Ball Bearings
- » Medical Instrument Bearings
- » Thin Section Bearings
- » Track Roller Bearings
- » Linear Bearings
- » Metal-to-Metal Spherical Bearings

Commonly Relubricated Airframe Bearings:

- | | |
|---------|---------|
| MS27640 | KP() |
| MS27641 | KP()A |
| MS27642 | KP()B |
| MS27644 | DPP() |
| MS27646 | B500DD |
| MS27647 | DW() |
| MS27648 | KP()BS |
| MS27649 | AW()AK |
| MS21428 | MB500DD |



NATIONAL PRECISION

Bearing and Motion Solutions

PRODUCTS

Aerospace Bearing Tools
Airframe Control Bearings
Ball Bearings
Ball Transfers
Bushings
Cam Followers
Custom and Special Products
Linear Bearings
Machine Tool Spindle Bearings
Miniature Bearings
Mounted Units and Inserts
Needle Bearings
Plastic Bushings
Rod End Bearings
Roller Bearings
Seals
Slewing Rings
Spherical Plain Bearings
Thin Section Bearings
Thrust Bearings
V Groove Bearings

PROOF LOAD TESTING EQUIPMENT

NAS, MIL, MS & AS Spec Bearings

PART NUMBERS

AN/NAS

BOEING

BACB10 and BACB28 Series - All
10-60516, 10-60545, 10-60779, 10-61899
S012T and S302T
60B00178, 60B00179, 60B00180

Boeing - MD Division

4D00 Series - All

NSA - Airbus

MILSPECs

MS14101 thru MS14104
MS27640 thru MS27649
MS28913 and MS28914
M81934/1 and M81934/2
M81935/1 and M81935/2

KEY AUTHORIZED BRANDS

ACCURATE / SMITH BEARING
ALTRA / BOSTON GEAR
BUNTING
CEROBEAR
CONSOLIDATED BEARING
EZO / SPB
FK BEARINGS - ROD ENDS
GGB / GARLOCK BEARINGS
GMN
GRW
IGUS
IKO BEARINGS
ISOSTATIC
JTEKT / KOYO NEEDLE ROLLERS
KAMATICS
MYONIC
NACHI
NIPPON BEARING
NHBB
NMB
NTN
PACAMOR KUBAR (PKB)
PHYMET - MICROPOLY
QA1 - ROD ENDS
RBC
REXNORD - MOUNTED UNITS
RF MANUFACTURING
SCHAEFFLER - BARDEN / FAG / INA
SCHATZ
SILVERTHIN
SKF - MRC / CR SEALS
SPECLINE
THOMSON
TIMKEN / AURORA
US TSUBAKI

GOVERNMENT INFORMATION

CAGE Code: 5V122

UEI: RE5CZNL1AHS8

Federal Stocking Classes:

3110, 3120, 3130

Cleanroom Preservation & Packing Per:

MIL-P-197K and MIL-STD-2073-1C



8152 304th Ave. SE
PO Box 5012
Preston, WA 98050
1.425.222.5900

MECHATRONICS CORPORATION is a privately held marketing, distribution, and manufacturing company that was founded in 1979. Today, the corporation is comprised of five operating groups that serve diverse markets located in Preston, WA.

NATIONAL PRECISION

Bearing and Motion Solutions

National Precision distributes bearings to the Aerospace, Medical, Defense, and Industrial markets.

www.nationalprecision.com
Tel: 800-426-8038



MECHATRONICS

FAN GROUP

Mechatronics Fan Group manufactures AC & DC cooling fans and blowers for the Electronic, Food Handling, Medical and HVAC industries.

www.mechtronics.com
Tel: 800-453-4569



SILVERTHIN

Thin, Slewing & Custom Bearing Mfg

Silverthin manufactures thin section ball bearings, slewing ring bearings and custom bearings for Industrial and Defense applications.

www.silverthin.com
Tel: 866-294-5841



MECHCONNECT

Custom Harness & Cable Assembly

MechConnect manufactures cable assemblies, complex wire harnesses, and box builds for Aerospace, Medical, Industrial, Electronic, and Food Service industries.

www.mechconnect.com
Tel: 425-441-1237



K&E AERO TOOLS

Bearing Installation, Test & Removal

K&E AERO TOOLS is a USA manufacturer of bearing installation/removal tools, proof load testing and go kits for the Aerospace market.

www.kandetools.com
Tel: 800-426-8038

