

# SILVERTHIN™

**Slewing Ring**  
TURNABLE BEARINGS



# Silverthin™

## Slewing Ring TURNABLE BEARINGS



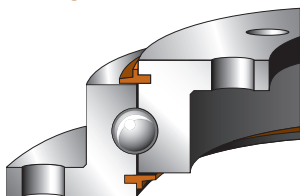
The Silverthin™ Bearing Group is an ISO 9001: 2008 registered company that specializes in thin section ball and slewing ring bearings.

Our flexible manufacturing systems allow us to provide a wide variety of custom bearing configurations across a broad range of sizes.

### THE SILVERTHIN™ ADVANTAGE:

- Experienced customer service representatives that provide fast, reliable, and friendly customer service
- Flexible manufacturing and inventory management systems that offer industry best lead times
- Products including modified standards or custom designs to meet specific application needs

#### Flanged



- Four-point Contact Ball
- Flanged cross-section on non-geared rings
- Internal, external and non-gear
- Clearance and preload

\*Dimensions up to 60" OD

Available Capacities up to:

Moment - 141,000 ft-lbs to 180,000 ft-lb

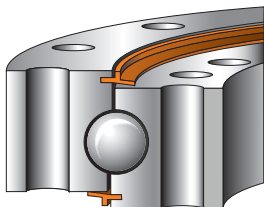
Thrust - 175,000 ft-lbs to 223,000 ft-lbs

Radial - 35,000 lbs to 45,000 lbs

#### APPLICATIONS:

Small cranes  
Industrial positioners  
Rotary tables  
Rotating displays  
Bottling machines  
Conveyors

#### Rectangular



- Four-point Contact Ball
- Rectangular cross-section
- External and non-gear
- Clearance and preload

\*Dimensions up to 72" OD

Available Capacities up to:

Moment - 900,000 ft-lbs to 980,000 ft-lbs

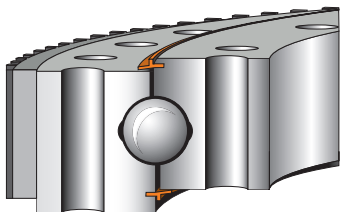
Thrust - 1,150,000 ft-lbs to 1,380,000 ft-lbs

Radial - 250,000 lbs to 250,000 lbs

#### APPLICATIONS:

Cranes & Manipulators  
Aerial lifts  
Wind turbines  
Position/Index tables  
Radar & Satellite antennas  
Robots  
Medical equipment

#### Rectangular High Capacity



- Four-point Contact Ball
- Wide range of diameters and various cross-sections
- Internal, external and non-gear
- Clearance and preload

\*Dimensions up to 240" OD

Available Capacities up to:

Moment - 10,000,000 ft-lbs

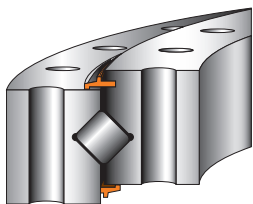
Thrust - 6,000,000 lbs

Radial - 1,300,000 lbs

#### APPLICATIONS:

Cranes  
Aerial lifts  
Excavators  
Wind turbines  
Utility derricks  
Log loaders & Fellers  
Feller Heads

#### Rectangular Cross Roller



- Single row of rollers having alternating orientation
- Greater stiffness and dynamic capacity than a four-point contact bearing
- Internal, external and non-gear
- Clearance and preload

\*Dimensions up to 240" OD

Available Capacities up to:

Moment - 7,000,000 ft-lbs

Thrust - 3,000,000 lbs

Radial - 1,400,000 lbs

#### APPLICATIONS:

Radar & Satellite antennas  
Turrets  
Machine tools  
Excavators

\* For larger diameters and alternate bearing designs please contact Silverthin™ sales.

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## MARKETS AND APPLICATIONS

### Heavy Industry - Steel, Mining, Pulp & Paper



Mill Equipment



Mining Equipment



Cranes



Grapples



Log Loaders & Feller Heads

### Precision & Machine Tool



Robotics



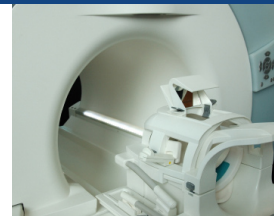
Rotary Tables



Positioning Indexing  
Tables



Telescopes



Medical Equipment

### Light Industry



Small Cranes



Rotating Displays



Wastewater Treatment  
Equipment



Bottling & Packaging  
Equipment

### Communications and Government



Satellite Antennas



Large Radar Antennas



Gun Turrets

### Oil and Gas



Derricks



Exploration Equipment



## Slewing Ring TURNABLE BEARINGS

For price and delivery call  
**(866) 294-5841**  
email: [sales@Silverthin.com](mailto:sales@Silverthin.com)  
[www.Silverthin.com](http://www.Silverthin.com)





**MECHATRONICS INC.** is a leading sales, distribution, manufacturing, and contract manufacturing corporation with a number of operating groups. Mechatronics ISO 9001:2008 registered operating groups are respected by customers and vendors around the world. Our corporate diversification has enabled us to achieve consistent growth in all markets for over 28 years.

**National Precision Bearing Group** is a leading supplier of precision miniature ball bearings, aircraft bearings and industrial bearings to a worldwide market. This group operates a class 1000 clean room and relubrication facility to support the needs of aerospace, medical, dental, computer and industrial customer requirements.

**Mechatronics Fan Group** is a leading source of AC and DC axial cooling fans, fan assemblies, fan guards, blowers and motorized impellers to the telecommunications, network equipment, office automation, medical and industrial markets.

**Mechatronics Representative Group** sells in specific US markets for Fujikura USA a world class manufacturer of cable assemblies, flexible printed circuitry, fiber optic cabling, connectors and thermal products to the computer and high technology industries.

## Silverthin™ Bearing Group



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[Silverthin.com](http://Silverthin.com)



Precision Thin Section Bearings



Slewing Ring Bearings

## National Precision Bearing Group



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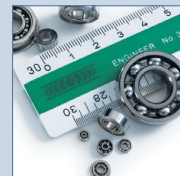
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## Mechatronics Representative Group



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Connectors



Flex Circuits



Cables



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