



Temper Corporation

www.tempercorp.com

Adjustable Spacers

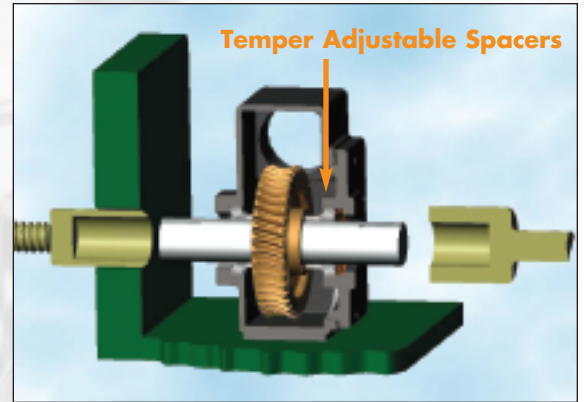


Used by major manufacturers of these products:

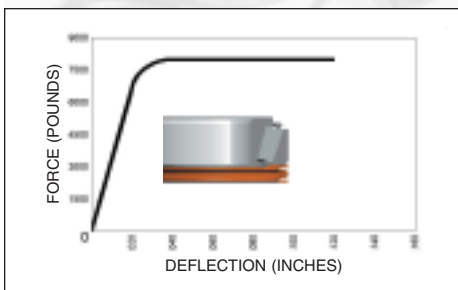
- Speed Reducers
- Electric Motors
- Farm Tractors
- Mining Equipment
- Irrigation Units
- Compressors
- Boat Motors
- Conveyors
- Axle Wheel Ends
- Lawn Mowers
- Transmissions
- Sewing Machines
- Industrial Trucks

Leading the world in bearing adjustment technology!

- Reduce costs
 - Improve accuracy
 - Eliminate shimming
 - Optimize bearing life
 - Simplify bearing installation



Temper-Set™ Gages and Adjustable Spacers greatly reduce assembly time and achieve precision bearing settings in production.



- ▶ Precision bearing adjustment within ± 25 microns (± 0.001 inch)
- ▶ Compression adjustment at a constant force
- ▶ Repeatable springback distance
- ▶ Ring forces from 13 to 45,000 N (60 to 200,000 + lbs)
- ▶ Sizes from 10 mm to over 2 meters ($\frac{1}{2}$ to over 60 inch) diameters
- ▶ Materials include stainless steels, carbon steels, and other specialty metals

Phone: (518) 853-3467 • 1-866-4-TEMPER • Fax: (518) 853-4092 • Email: sales@tempercorp.com



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Name: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____

I would like more information on your specialties:

Adjustable Spacers/Load Rings Magnet Rings and Assemblies Seals/Spring Gaskets

Other _____

Application: _____

Operating Environment: _____

Operating Temperature: _____

Current Method of Installation: _____

Prototype Quantity and Timing: _____

Production Quantity and Timing: _____

Adjustable Spacers:

Tolerance Range of the Assembly: _____ Housing Bore Diameter: _____

Shaft Diameter: _____ Total Axial Space: _____ Type of Bearing: _____

Required Bearing Pre-Load Setting (inches or pounds) _____

Maximum Load Condition and Value (pounds): _____

Other: _____

Magnetic Ring Assemblies:

Sensor Technology Required: _____ OD Dimension: _____ ID Dimension: _____

Width: _____ Number of Poles: _____ Airgap: _____

Sensor Packaging Details: _____

Connector Type: _____

Other: _____

Speed Sense™ Magnet Rings and Sensor Cable Assemblies

Speed Control • Direction and Steering Sensing • Counting Applications • Incremental Encoders

Materials:

- Body: Stainless Steel
- Magnet: Variety of magnet materials

Used In:

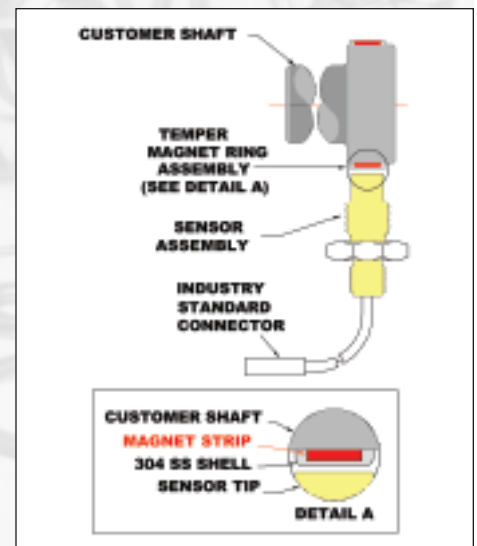
- Hydraulic Pumps
- Elevator Systems
- Fork Lifts
- Power Transmission
- Other Heavy Equipment

Characteristics

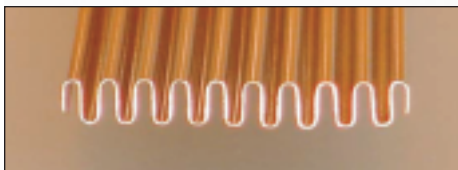
- Diameters of 25mm to over 2 meters (1 to 60+ inches)
- Installation is press fit onto shaft of hub
- Low profile design
- Low to high Multi-Pole Resolutions
- Supplied with or without industry standard or custom magnetic sensors including hall effect, reed switch, and magneto resistive switches
- Supplied with or without industry standard connectors including fly leads, cables, Turck, Deutsch, Amp, Packard Electric, Yazaki, JST, Molex, other



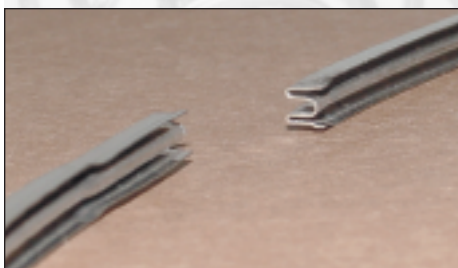
Wheel-mounted magnet ring



High Temperature Spring Seals



Multi-convolute nickel-alloy seal



New patented overlapping seal for jet engines

- Diameters from 50mm to over 2 meters (2 to 60+ inches)
- Temperatures up to 1090° C (2000°F)
- Springback up to 2.5mm (.100")

Used In:

- Commercial and Military Aircraft
- Refinery Valves
- Nuclear Reactors and Fuel Cells

Visit our website to review animated assembly drawings:

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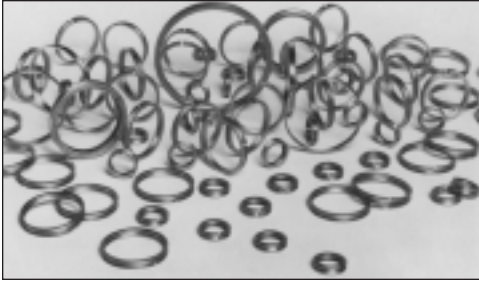
Email: sales@tempercorp.com



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USA

**Leading the world in
bearing adjustment
technology!**



- Innovation with Precision
- Exceptional Product Quality
- Strong Customer Partnerships

Registered by NQA
ISO 9001: 2000
AS 9100: 2001

Adjustable Spacers

**Magnet Rings/
Assemblies**

Cable Assemblies

Spring Seals



John E. Rode, CEO,
New York State
Entrepreneur of the Year 2001

*Over 30 years of meeting
our customer's needs
with complete and
dependable solutions.*

Temper Corporation



New York State Small Business Manufacturer of the Year 2000

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