



SPLIT CYLINDRICAL ROLLER BEARINGS



TIMKEN

Stronger. By Design.

PERFORMANCE SOLUTIONS



RANGE OF HOUSINGS

Standard support with complete housing and bearing



Flange support



Take up tension unit complete with housing



Take up pull unit complete with housing



Hanger unit

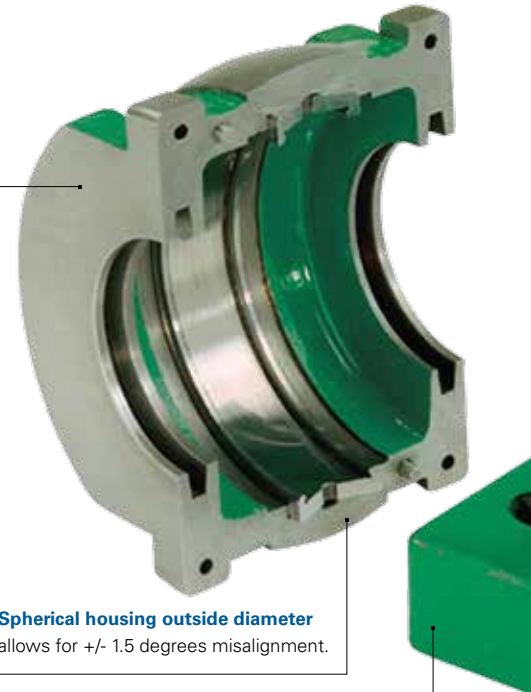


Engineered to perform

Revolvo Split Cylindrical Bearings are designed to help increase operational life and reduce maintenance expense.

- Capable of handling higher speeds, temperature and acceleration from a highly engineered machined brass cage.
- Longer life due to a robust design featuring double webs and thick sections of high grade cast iron.
- Improved performance provided by profiled rolling elements that reduce damaging edge stress.
- Ability to closely match application load requirements with engineered bearing configurations.
- Able to handle a range of operating environments with available selection of eight seal designs.
- Available in application appropriate housing styles.

Removable support caps and housing halves permit quick visual inspection of bearing components during scheduled maintenance.



Spherical housing outside diameter allows for +/- 1.5 degrees misalignment.

**ASTM 48A – Grade 40/BS
EN1561:1997 - Grade 250 cast iron** for strength and durability.

APPLICATION SOLUTIONS



Solve maintenance problems one bearing at a time

Innovative cage clip

is fixed to the cage and prevents loss during assembly and disassembly.

Machined brass cage

is standard to accommodate higher speeds and temperatures.



Eight seal styles, including Kevlar® packing seal and aluminum triple labyrinth, handle any operating environment.

Profiled rolling elements

reduce damaging edge stress to increase bearing life and reliability.

A split bearing can add value to your operations by significantly reducing downtime associated with moving equipment to change out a standard bearing. Easier to install, maintain and replace, split bearings can cut operational costs, free up your resources for other tasks and remove safety risk.

The split bearing design offers:

- High radial load and speed capability
- Self-alignment
- Wide range of standard supports and housings
- Flexible sealing options
- Interchangeability with competitor designs

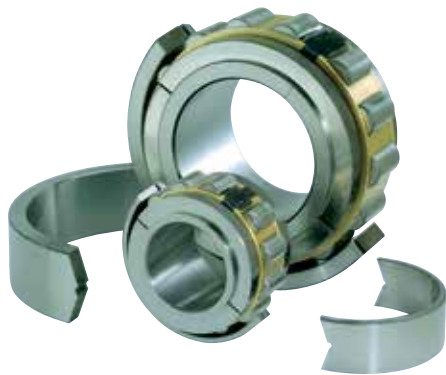
Maintenance-friendly features include:

- Single-piece cage clip design for accurate cage alignment and ease of installation.
- Pry slots at all dowelled, machined joints for easy separation of the support.
- Intuitive assembly features and markings assist with correct positioning and orientation of all parts.

SERVICE SOLUTIONS



Engineered solutions you can rely on



Confidence in your operation starts with trust in the performance of critical components. Revolve split cylindrical roller bearing housed units give you that confidence, handling the load and speed requirements of most challenging applications.

Performance is more than the product. You can depend on Timken to support your operations from design to installation with service engineering consultation, training and on-site support service.

- Modular stocking gets you what you need when you need it.
- Custom designs supported by experienced engineers and design systems.
- Application support engineers work directly with you to design solutions for your application.
- Local support via an extensive authorized distributor network and local service engineers.

Angled split

For even faster and easier installation



QUICK GETS QUICKER

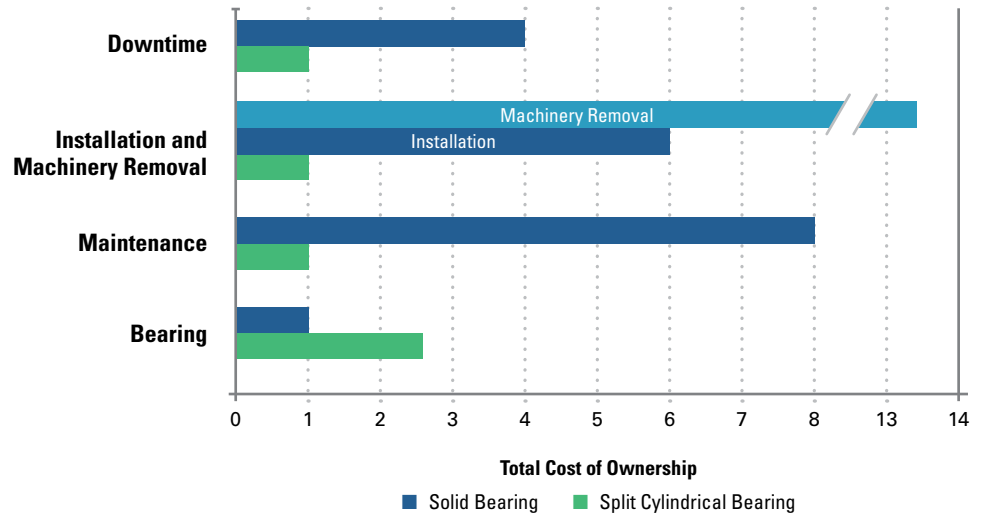
THE NEXT GENERATION - SNQ AND SAFO

Reduce downtime even more! Get an angle on better performance with an evolved Revolve split cylindrical roller bearing housed unit design.

An innovative design uses an angled cast iron support to allow mounting in locations with low clearance between the base and center of the shaft.

The new design eliminates the need to raise the shaft to allow clearance for the support base yet maintains standard bearing and housing construction requirements.

WHY A SPLIT BEARING?



In some applications, a bearing housed unit can be trapped between large pieces of equipment in a high service cost location. This creates a maintenance challenge, as changing these bearings can result in:

- Extended downtime and lost production.
- High costs associated with moving the equipment to gain access.
- Greater use of manpower.

A Timken® Revolve split cylindrical roller bearing housed unit helps reduce plant disruptions and downtime caused when trapped bearings fail.

All components of the bearing unit (races, cage, housing, seals and support) are split to the shaft. When installed, the bearing unit can accommodate up to +/- 1.5 degrees of misalignment.

Replacing competitor products is easy, because Revolve split bearings are interchangeable with other split cylindrical roller bearing designs. A global inventory provides rapid service in response to urgent downtime situations.



TIMKEN HOUSED UNIT OFFERING

	Housing style(s)	Size range	Features	Material
SNT Plummer Block (spherical roller bearing)				
	<ul style="list-style-type: none"> • Split block 	20 – 530 mm	<ul style="list-style-type: none"> • Split housing • Multiple sealing options 	Cast iron Ductile iron
SAF Pillow Block (spherical roller bearing)				
	<ul style="list-style-type: none"> • Split block 	1 3/8 – 19 1/2 in	<ul style="list-style-type: none"> • Split housing • Multiple sealing options 	Cast iron Ductile iron
Split Cylindrical Roller Bearing				
	<ul style="list-style-type: none"> • Pedestal • Flange • Take Up • Hanger 	1 3/16 – 24 in 30 mm – 600 mm	<ul style="list-style-type: none"> • Simplified inspection and assembly • Robust brass cage • High speed capabilities • Multiple sealing options 	Cast iron Ductile iron Cast steel
Spherical Roller Bearing Solid Block				
	<ul style="list-style-type: none"> • Pillow • Flange • Take Up • Cartridge 	1 7/16 – 15 in 40 – 380 mm	<ul style="list-style-type: none"> • Wide range of locking options • Multiple sealing options and end covers 	Cast steel
Type E Tapered Roller Bearing				
	<ul style="list-style-type: none"> • Pillow • Flange • Take Up 	1 3/16 – 5 in 35 mm – 125 mm	<ul style="list-style-type: none"> • High-load carrying capacity • Optimized double lip seal 	Cast iron
Ball Bearing (includes R, Y, V and S)				
	<ul style="list-style-type: none"> • Pillow • Flange • Take Up • Cartridge 	1/2 – 3 15/16 in 12 – 90 mm	<ul style="list-style-type: none"> • Wide range of locking options • Safety end caps 	Cast iron
UC Series Ball Bearing				
	<ul style="list-style-type: none"> • Pillow • Flange • Take Up • Cartridge 	1/2 – 3 1/2 in 12 – 90 mm	<ul style="list-style-type: none"> • Precision formed flinger • Wide inner ring 	Cast iron



Timken® High-Performance Roller Housed Unit Grease

Experience the difference of a grease engineered specifically for roller housed units:

Timken® high-performance roller housed unit grease. It's ideal for industrial applications with extreme loads, high wear, moderate speeds, high temperatures and shock loading.

Compatible with most industrial materials and able to operate within a wide temperature range, our high-performance roller housed unit grease is one more answer from Timken for efficient, reliable operations in tough environments.



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For your nearest Timken sales engineer, visit www.timken.com.

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, belts, chain and related mechanical power transmission products and services.

Stronger. Commitment. Stronger. Value. Stronger. Worldwide. Stronger. Together. | Stronger. By Design.

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