TIMKEN



TIMKEN® SAF MOUNTED SPLIT BLOCK SPHERICAL ROLLER BEARINGS KEEP HEAVY LOADS MOVING

FIND THE SIZES YOU NEED IN OUR EXTENSIVE RANGE, WITH CUSTOM DIMENSIONS AVAILABLE. ORDER COMPLETE ASSEMBLIES OR JUST THE PARTS YOU NEED.

Timken's broad SAF line includes a wide range of sizes, housing designs, seals and accessories developed to meet your specific requirements.

Constructed of cast iron, the standard line of SAF split-block housings are designed to protect bearings. For more rugged applications, choose housings made from ductile iron or cast steel that are up to two times stronger than cast iron. For extra-heavy-duty jobs, consider our more robust SDAF product family.

High-performance Timken® spherical roller bearings inside our SAF contain precisely engineered geometry and raceway finishes. Plus, our spherical roller bearings feature a unique design that allows them to run cooler and more efficiently on misaligned shafts up to +/- 1.5 degrees without a reduction in life expectancy.

BENEFITS OF TIMKEN® SAF MOUNTED SPLIT BLOCK SPHERICAL ROLLER BEARINGS:

FIND THE SIZE YOU NEED – FAST. Choose from standard shaft sizes, ranging from 1-3/8 inch to 19-1/2 inch bore. Or, specify one of our custom shaft sizes up to 40 inches. Metric bore sizes are available.

REDUCE YOUR DOWNTIME. Timken offers fast shipment from inventory on most standard shaft sizes. We understand the need for prompt replacement components, so we have comprehensive inventory levels of housings, bearings, mounting hardware and seals.

CHOOSE THE DESIGN YOU NEED. Select a tapered bore design for easy mounting or a straight bore design for better axial location. You can readily convert the block from fixed to float by removing the stabilizing ring.

ENJOY EASY ORDERING FOR A FULL ASSEMBLY OR JUST A FEW PARTS. If you need the full bearing and housing assembly, order the complete kit. But, if you need only one or more parts, order them individually. Our well-stocked inventory typically enables quick shipment of standard parts and assemblies.

SPECIFY THE CONFIGURATION YOU NEED

Rugged cast-iron (standard) construction handles tough environments. Ductile iron and cast-steel housings are also available for extremely heavy-duty jobs.

Timken® high-performance spherical roller bearings provide reliable, longer service.

Numerous bore sizes and configurations are available to help you find what you need.

Easy-to-install separate cap and base allow quick bearing inspection and replacement.

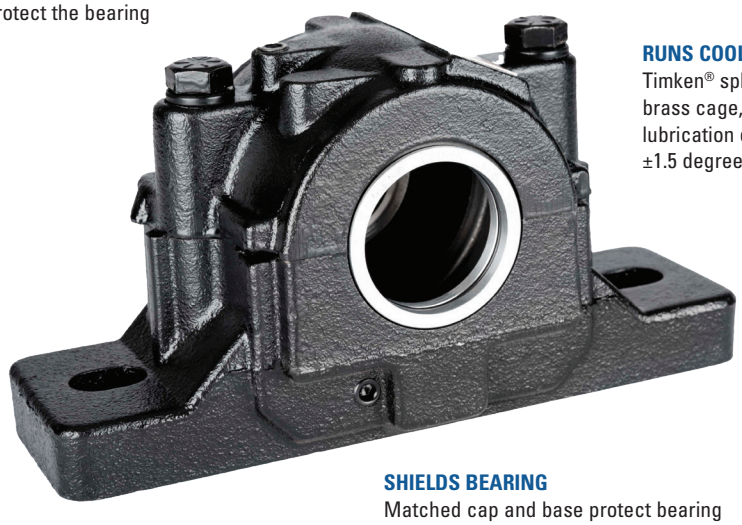
Advanced sealing and lubrication options suit your specific needs. Optional TG isolator-style seal can be placed into standard LER groove.

Mounting flexibility for tapered and straight bores with adapters and stabilizing rings solve challenging installations.

Easy conversion from fixed to float reduces inventory needs.

PROTECTS BEARING, REDUCES LEAKS
Precision triple-ring labyrinth seal and and extra-large oil return holes in the housing protect the bearing

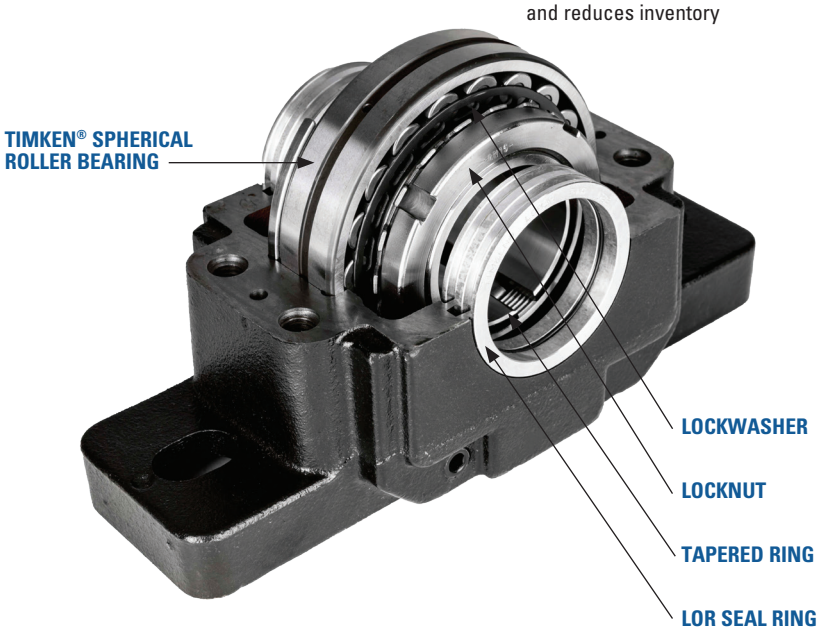
RUNS COOLER FOR LONGER BEARING LIFE
Timken® spherical roller bearings available with either a steel or brass cage, feature optimized internal geometries and improved lubrication distribution. These high-performance bearings allow ±1.5 degree misalignment



SHIELDS BEARING
Matched cap and base protect bearing

AVOIDS DAMAGE TO BEARING AND HOUSING DURING INSPECTIONS
Pry-tool slots allow quick and easy cap removal

SPEED UP CONVERSION FROM FIXED TO FLOAT UNITS
Removable stabilizing ring saves time and reduces inventory



TIMKEN SAF ASSEMBLY NOMENCLATURE

SAF 22532 X 5 1/2 FXCL

HOUSING CONFIGURATION

SAF	Two-or four-bolt pillow block, cast iron
SDAF	Four-bolt heavy-duty pillow block, cast iron
SAFS	Two-or four-bolt pillow block, cast steel
FSAF	Four-bolt pillow block, cast iron (Specify when two- and four-bolt options are available)
FSAFS	Four-bolt pillow block, cast steel (Specify when two- and four-bolt options are available)
SDAFS	Four-bolt heavy-duty pillow block, cast steel

SERIES INDICATOR

SAF Series	SRB Series
222XX	222XX
225XX	222XXK
223XX	223XX
226XX	223XXK
230XXK	230XXK
231XX	231XX
231XXK	231XXK
232XX	232XX
232XXK	232XXK

Orange = Adapter mount

SHAFT SIZE

Indicates shaft size for optional shaft size

Not required for standard sizes less than 8 7/16 inches

Required for all shaft sizes greater than or equal to 8 7/16 inches

CONSTRUCTION INDICATOR

FXOP	Fixed Open, not required (standard)
FXCL	Fixed Close
FLOP	Float Open
FLCL	Float Closed

Closed: Shaft terminates in housing
Open: Shaft continues through housing
Fixed: Stabilizing ring prevents axial movement
Float: Axial movement up to 3/8 inch



CAP

BASE

Mounted bearings are also called "pillow blocks" (inch) or "plummer blocks" (metric). The SAF mounted spherical roller bearings are typically easy to install by securing the base, installing the spherical roller bearing and adding lubricant, then aligning the matching cap in place with the dowels. Caps and bases are manufactured as a matched set for a precision fit.

	Series	SRB Bore Series	Shaft Diameter Range Min (inch)	Shaft Diameter Range Max (inch)	Number of Shaft Sizes Available
Tapered Bore	SAF 225	09 thru 44	1 3/8	8	87
	SDAF 225	20 thru 44	3 3/8	7 15/16	31
	SAF 226	15 thru 40	2 3/8	7 1/4	56
	SDAF 226	17 thru 40	2 7/8	7 3/16	35
	SAF 230K	24 thru 56	4 1/16	10 1/2	47
	SDAF 230K	50 thru 530	10 15/16	19 1/2	21
	SDAF 231K	52 thru 500	9 7/16	18	20
	SDAF 232K	48 thru 88	8 15/16	16 1/2	15
Straight Bore	SAF 222	17 thru 44	3 3/16	8 5/16	17
	SDAF 222	20 thru 44	3 13/16	8 5/16	12
	SAF 223	17 thru 40	3 3/16	7 5/8	14
	SDAF 223	17 thru 40	3 3/16	7 5/8	13
	SDAF 231	52 thru 92	9 15/16	17 3/4	11



CHOOSE THE RIGHT SEAL FOR YOUR APPLICATION

Exclude foreign matter and retain lubricants with Timken's precision aluminum triple-ring labyrinth seals that come standard on all Timken® SAF pillow blocks. The labyrinth seal is designed to resist wear and high temperatures.

However, for environments that are extremely contaminated or abrasive, Timken offers additional options:

TG SEAL: Helps prevent lubrication from escaping and contamination from entering. This design reduces frictional heat, exerts little to no torque on the system and leads to longer lives for the bearing and seal.

DUSTAC® SEAL: Helps shut out residual and airborne contaminants using a V-shaped nitrile ring that rotates with the shaft and applies pressure to the cartridge face.

RLS SERIES: Forms a wedge-shaped cavity around the shaft and labyrinth that is filled with heavy grease.

SRLS SERIES: Features an O-ring in the bore as part of a split-face labyrinth seal. Designed to prevent contaminant ingress and axial displacement.

Timken® SAF mounted spherical roller bearings handle demanding heavy-industrial operations:

- Power Generation (Coal)
- Mining
- Aggregate/Cement
- Metal Mills
- Pulp & Paper/ Sawmills/Forestry
- Water Treatment
- Food Processing
- Warehousing
- Movable Bridges/ Structures
- Industrial Fans/ Blowers

Timken offers a wide range of mounted bearings – spherical, tapered, cylindrical and ball – for many applications. With a choice of split and solid housings, seals, lubricants and other features, you can turn to Timken for your mounted bearing needs.

CALL ON TIMKEN

For your nearest Timken sales representative, 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 bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

Stronger. By Design.

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