

## Why SKF?

# SKF Y-bearings and Y-bearing units



SKF Y-bearings and Y-bearing units are ready-to-mount and ready-to-use solutions equipped with a superior sealing system. This system provides reliable protection against moisture and contaminants, plus exceptional lubricant retention.

The SKF Y-bearing and Y-bearing unit assortment is extensive. It includes a wide range of housing designs and materials, and a variety of Y-bearings with locking mechanisms and seals suited to different requirements. All have design features that, when combined according to application need, provide superior service life even in challenging environments.

### Product features

- Quick and easy mounting
- Ready-to-use
- Dependable sealing in contaminating environments
- Exceptional lubricant retention
- Ranges include relubrication-required and maintenance-free
- Available in different designs, materials and sizes
- Wide range, including application-specific solutions
- ISO and JIS standard offers

### User benefits

- Increased productivity
- Reduced maintenance cost
- Reduced lubricant leakage, less environmental impact
- Maximized bearing life
- Reduced noise and vibration

### Common applications

- Agricultural machinery
- Food and beverage processing and packaging
- Conveyor systems
- Material handling
- Textile equipment
- Industrial fans
- Special machinery (e.g. car washing, gym, go-kart)

## Wide range of types and materials

Conventional ball bearing units from SKF are called SKF Y-bearing units. These units consist of:

- an insert bearing (single row deep groove ball bearing) with a convex sphered outside diameter, sealed or shielded on both sides with special locking devices
- a housing, which has a correspondingly sphered but concave bore

### Housing types:

- Y-bearing plummer block units
- Flanged Y-bearing units
- Y-bearing take-up units

### Housing materials:

- composite material
- grey cast iron
- sheet steel
- stainless steel

Ask about our industry-specific ranges of Y-bearings and Y-bearing units, including the food & beverage and agricultural industries, plus solutions for low friction applications.



Standard range of housing types: grey cast iron and sheet steel.

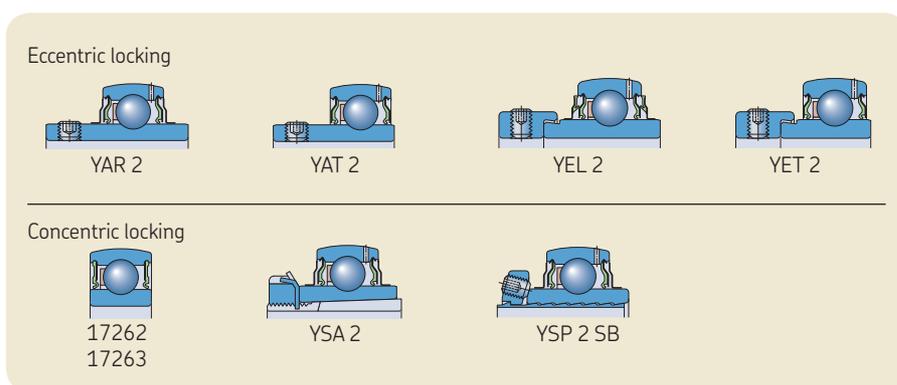


Materials include stainless steel, composite (shown).

## Locating on the shaft

There is a choice of five different methods by which an SKF Y-bearing unit can be located on the shaft:

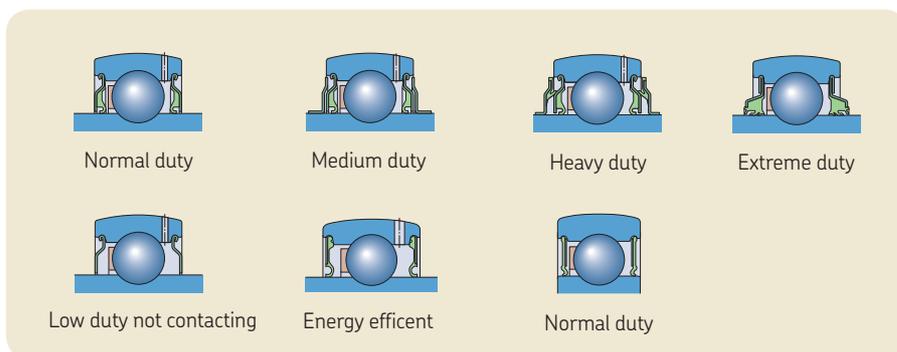
- Grub screws: YAR and YAT design
- Eccentric locking collar: YEL and YET design
- Adapter sleeve locking collar: YSA design
- SKF ConCentra locking: YSP design
- Interference fit: 172 design



Y-bearings locking systems.

## Superior sealing performance

The seals used in SKF Y-bearing units are designed to meet a variety of industry and application requirements.



Your SKF distributor or reference can help you to determine which seal is best for specific application conditions.



An SKF Documented Solution specialist can show you the approximate return on investment (ROI) you can expect to receive by using this product in your application. Ask your SKF Authorized Distributor or SKF representative for more details.

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