

Why SKF?

SKF SPEEDI-SLEEVE new generation



SKF SPEEDI-SLEEVE is a well-proven solution to problems resulting from worn shafts. It can be installed without having to disassemble the shaft or specify a new replacement seal size, and offers an excellent sealing surface. With the new generation SKF SPEEDI-SLEEVE, even further enhancements to sealing system performance are available.

To seal effectively, radial shaft seals must run against a smooth, round counterface, most often a shaft. If the shaft becomes worn or damaged, the seal will no longer be able to retain lubricant and to exclude contaminants. To repair the shaft, it is usually necessary to disassemble the machine to be able to rework the shaft until it is again within specification. By using SKF SPEEDI-SLEEVE, this costly procedure is no longer necessary. The sleeve is simply pushed in position over the worn area without any special tools, providing a new, optimized seal counterface.

Product features

- Proprietary stainless steel material and manufacturing process
- Increased strength and excellent ductility properties of the sleeve
- Optimized seal counterface surface minimizing wear on both the sleeve and sealing lip
- Imperceptible lubricant pockets to prevent dry running of the sealing lip

User benefits

- Increased service life predictability
- Minimized maintenance
- Improved productivity
- Reduced environmental impact

Common applications

- Industrial gearboxes
- Off-highway vehicles for construction and agricultural
- Mining, minerals processing and cement production
- Industrial electrical



The new generation

The new generation of SKF SPEEDI-SLEEVE combines a proprietary stainless steel material and manufacturing process, resulting in an optimized seal counterface surface that minimizes wear on both the sleeve and sealing lip.

The proprietary material provides increased strength and excellent ductility properties of the sleeve. Imperceptible lubricant pockets enable the lubricant to reside on the sleeve and prevent dry running of the sealing lip that otherwise can create excessive wear.

The sleeves are thin-walled [0,28 mm (0.011in.)] and the contact surface is wear resistant and manufactured to minimize directionality. This is, in fact, a better counterface than can often be achieved on a shaft.

SKF SPEEDI-SLEEVE Gold

The new generation of SKF SPEEDI-SLEEVE is also available in the Gold version, designed for highly abrasive applications. A thin, metallic coating applied to the base stainless steel imparts a gold colour and significantly increases durability. SKF SPEEDI-SLEEVE Gold is particularly effective in environments where there are abrasive contaminants, especially when combined with a seal manufactured from the SKF fluoro rubber material SKF Duralife. For example, this sealing system solution lasted 2 500 hours in a contamination test.

The installation procedure is identical to that of standard SKF SPEEDI-SLEEVE and the original seal size can still be used.

Size range

The standard size range covers sleeves for shaft diameters from 11,99 to 203,33 mm (0.472 to 8 in.). Depending on production quantities, non-standard sizes can be manufactured.

Each sleeve is designed to fit a specific shaft range, usually above and below the nominal shaft diameter. This permits some flexibility to accommodate variations in the actual shaft diameter.



Wide application range

SKF SPEEDI-SLEEVE can be fitted virtually anywhere there is an elastomeric radial shaft seal. The enhanced sealing system perform-

ance offers increased mean time between failure (MTBF) and life-cycle costs are controlled through simplified maintenance procedures.

SKF SPEEDI-SLEEVE is already an established solution for industrial gearboxes, industrial electrical motors, construction and agriculture equipment and industrial pumps. In industries like mining, mineral processing and cement production, SKF SPEEDI-SLEEVE is used in equipment such as crushers, conveyors, motors, reducers and fans.

Gains from the optimized sealing system include increased productivity and profitability, thanks to a reduced need for extended maintenance, lower repair costs and an ability to plan maintenance with more accuracy. In addition, lubricant leakage is minimized, resulting in less environmental impact.

Single packages

SKF SPEEDI-SLEEVE is supplied in single packages to protect from contaminants and damage to the sleeve until installation. The packages also include an installation tool and instruction sheet, providing step-by-step guidance to easy installation.



The optimized sealing system: SKF SPEEDI-SLEEVE new generation + SKF radial shaft seal



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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PUB SE/S7 11339 EN · February 2011

Printed in Sweden on environmentally friendly paper.

