

SKF SPEEDI-SLEEVE new generation

and wear sleeves for heavy industrial applications



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The new generation concept and characteristics

Enhanced sealing system solution

To seal effectively, radial shaft seals must run against a smooth, round counterface. If the counterface becomes worn, the seal will no longer be able to fulfil its function, which is to retain lubricant and to exclude contaminants.

Typically, the counterface becomes scored when a contaminant particle is caught under the sealing lip and abrades a track as the shaft rotates. As this continues, the seal will enable more particles to pass or get stuck eventually leading to malfunction of the component that the sealing system is meant to protect. A simple seal replacement will not be sufficient and to repair the shaft, it is usually necessary to disassemble the machine to be able to grind down the counterface until it is within specifi-

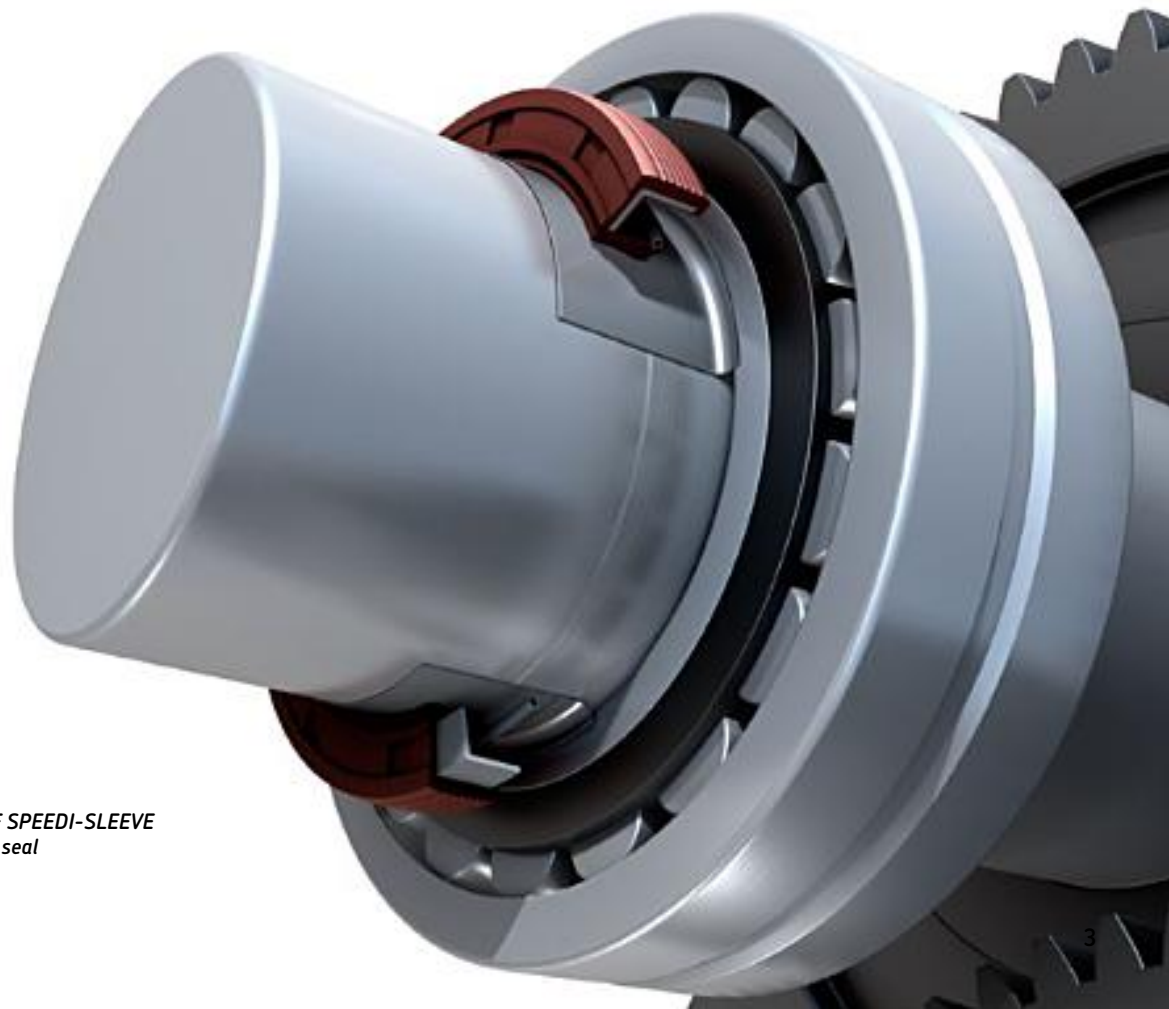
cation again. Otherwise, the sealing system will not function properly.

SKF SPEEDI-SLEEVE is a well-proven solution to overcome problems with worn shafts, without having to disassemble the shaft or specifying a new size of the replacement seal, while offering an excellent sealing surface. Now, SKF has developed a patent pending new generation SKF SPEEDI-SLEEVE with features providing an even further enhanced sealing system performance.

Features

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 thereby prevent dry running of the sealing lip that otherwise can create excessive wear. The sleeves are thin-walled (0,28 mm (0.011 in.)) and the contact surface is wear resistant and manufactured to minimize directionality ($0^\circ \pm 0,05$) with a finish of R_a 0,25 to 0,5 μm (10 to 20 $\mu\text{in.}$). This is, in fact, a better counterface than can often be achieved on a shaft.



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

Removable flange

SKF SPEEDI-SLEEVE has a removable flange to simplify installation (→ **fig. 1**). The flange can most often be left intact, but in applications where the flange will interfere with other system components, it should be removed so it does not cause friction heat and wear debris. The flange should also be removed in applications where it may reduce the supply of lubricant to the seal. This would cause a reduced cooling effect of the lubricant, resulting in elevated underlip temperature and premature ageing of the seal material.

If the flange is to be removed, it should be cut from the outside diameter into the radius in one location prior to installation. The flange can then be twisted and raised up after installation and grasped with a pair of pliers and twisted into a coil.

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 Duralife¹⁾. This sealing system solution lasted 2 500 hours in a contamination test.

The installation procedure is common to both SKF SPEEDI-SLEEVE designs and the original seal size can still be used.

All sleeves listed in the product tables starting on page 8 can be manufactured as SKF SPEEDI-SLEEVE Gold.

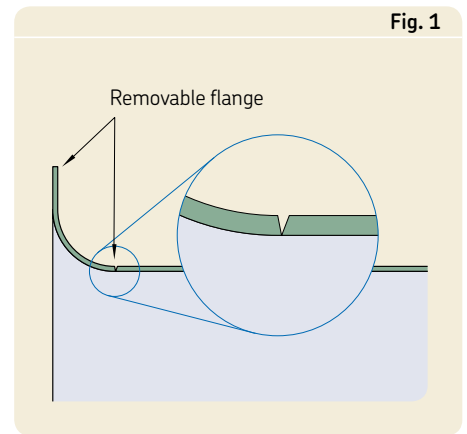
Size range

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. For additional information, contact SKF. 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.

Selecting the sleeve size

To determine the appropriate sleeve size, it is first necessary to clean the shaft carefully. The diameter of an undamaged section of the seal counterface should then be measured on at least three different planes. The arithmetical mean of these measurements determines the size of SKF SPEEDI-SLEEVE. If the value lies within the permissible range listed in the product table for the shaft diameter d_1 , the selected SKF SPEEDI-SLEEVE will have an adequate tight fit on the shaft and will not require an adhesive.

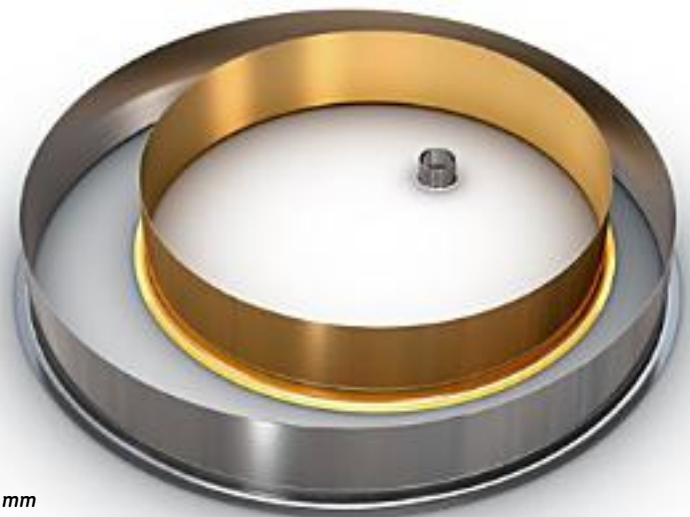
Fig. 1



SKF SPEEDI-SLEEVE removable flange



SKF SPEEDI-SLEEVE new generation, Gold version



The standard size range covers sleeves for shaft diameters from 11,99 to 203,33 mm (0.472 to 8 in.).

¹⁾ Previously named Longlife

Test results

The previous and new generation of SKF SPEEDI-SLEEVE products were tested for abrasion resistance under both coarse and fine dust conditions. A 500 hour contamination test (→ **diagram 1**) showed that when compared to the previous generation sleeve, the new generation SKF SPEEDI-SLEEVE reduced abrasion by a factor of 1,5 and was still operating efficiently.

To test sealing system effectiveness, a 2 000 hour life test was performed (→ **diagram 2**) using SKF SPEEDI-SLEEVE new and previous generation products and SKF WAVE seals made from the SKF fluoro rubber material SKF Duralife. The test results showed that SKF SPEEDI-SLEEVE new generation reduced the sealing lip wear and the variation in the wear rate by approximately 30% compared to the previous generation sleeve and outperformed a chromium-plated surface by a factor of 2. This reduction improves the sealing system reliability as well as the predictability of the system service life.

Both tests were carried out under the same operating conditions:

- temperatures up to 110 °C (225 °F)
- linear shaft speeds of up to 8,6 m/s (1 700 ft/min)

In other tests, it was found that continuous salt spray at 35 °C (95 °F) produced no trace of corrosion even after 600 hours. This optimized performance is made possible through the use of the new generation of SKF SPEEDI-SLEEVE.

Diagram 1

SKF SPEEDI-SLEEVE wear test Abrasive media, test stopped at 500 hours

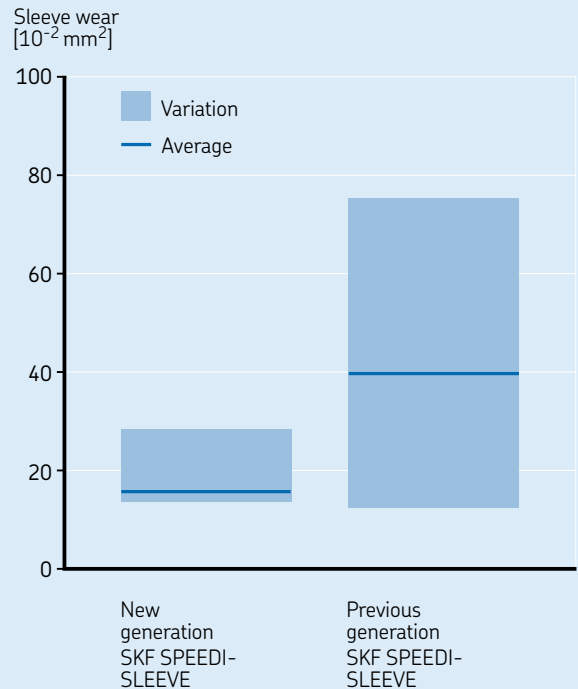
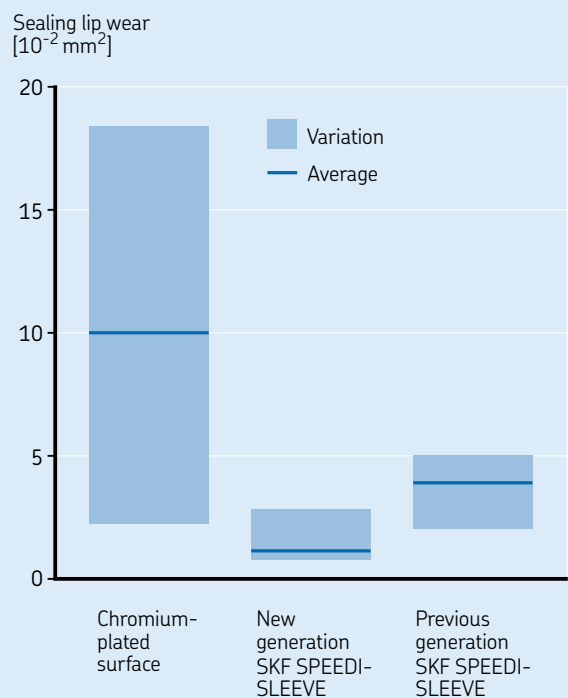


Diagram 2

Sealing lip wear test Seals made from fluoro rubber, test stopped at 2 000 hours



Installing SKF SPEEDI-SLEEVE

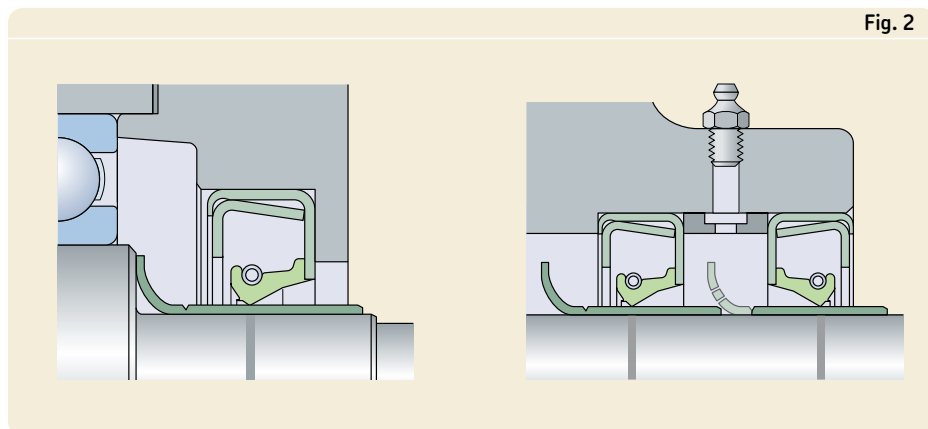
A new seal counterface in a few minutes

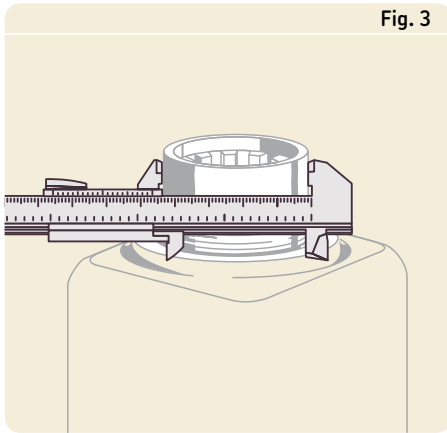
Although installation is simple, it should be done carefully to achieve the best results. As the thin-walled sleeve has an interference fit, any disturbances on the shaft surface may create a similar pattern on the sleeve surface and cause the seal to leak. Therefore, the seal counterface surface of the shaft should be carefully cleaned and any burrs or rough spots filed down prior to installation. Deep wear grooves, scratches or very rough surfaces should be treated with a suitable powdered metal epoxy-type filler. The sleeve must be positioned on the shaft before the filler has hardened.

SKF SPEEDI-SLEEVE must not be installed over keyways, cross holes, splines or threads since this will result in deformation of the sleeve, making it difficult for the seal to follow its new counterface surface as it rotates.

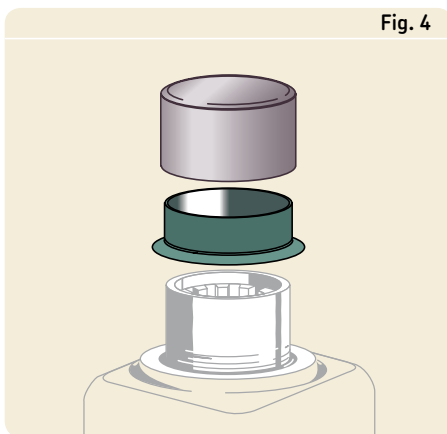
SKF SPEEDI-SLEEVE should never be heated prior to installation. Using heat will cause the sleeve to expand, but when it cools, it may not contract back to its original size, resulting in a loose fit on the shaft. See **fig. 2** for different SKF SPEEDI-SLEEVE installations.

SKF SPEEDI-SLEEVE installations

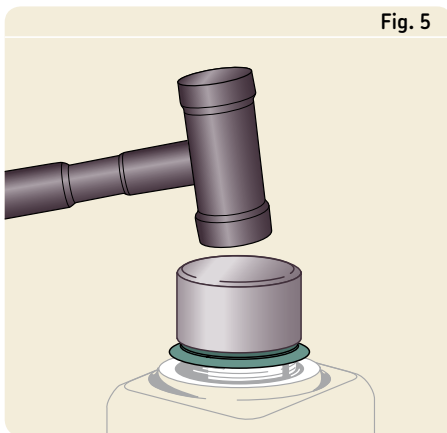




Clean and measure the diameter of the worn shaft and mark the area where the sleeve will cover the scored portion of the shaft.



Place SKF SPEEDI-SLEEVE on the shaft and then place the special installation tool over the sleeve.



Tap the installation tool with a mallet until the sleeve is seated on the shaft over the marked area. Remove the installation tool.

Installation procedure

- 1 Clean the seal counterface surface on the shaft. File down any burrs or rough spots and make sure that the sleeve will not be installed over keyways, cross holes, splines or similar.
- 2 Measure the diameter on an unworn portion of the shaft where the sleeve will be positioned (→ fig. 3). Measure in three positions and average the readings to make sure the shaft is within recommended specifications. If the average diameter is within the range for a given sleeve size, there is sufficient press fit built into the sleeve to prevent it from sliding or spinning without using an adhesive.
- 3 Determine where the sleeve must be positioned to cover the worn area. Measure to the exact point, or mark directly on the surface. The sleeve must be placed over the worn area, not just bottomed or left flush with the end of the shaft.
- 4 Shallow wear grooves do not require filling. Optionally, a light layer of a non-hardening sealant can be applied to the inside diameter surface of the sleeve. Clean away sealant that migrates to the shaft or sleeve outside diameter surface.
- 5 If the shaft is deeply scored, fill the groove with a powdered metal epoxy-type filler. Install the sleeve before the filler hardens, enabling the sleeve to wipe off any excess filler. Clean away any remaining filler from the sleeve outside diameter surface.
- 6 It should be repeated that heat should never be used to install SKF SPEEDI-SLEEVE.
- 7 If the flange should be removed after installation, cut it from the outside diameter into the radius in one location. The flange end of the sleeve goes on the shaft first. Then, place the installation tool over the sleeve (→ fig. 4).
- 8 Gently tap the centre of the installation tool until the sleeve covers the worn shaft surface (→ fig. 5). If the installation tool is too short, a length of pipe or tubing with a squared-off, burr-free end can be used. Be sure that the inside diameter of the pipe is the same as that of the installation tool. Use care not to scratch the precision ground sleeve's outside diameter.
- 9 SKF SPEEDI-SLEEVE should always be installed so that the outside edge of the sleeve is seated on the full shaft diameter. It must not rest in or outside the chamfer area since the sharp edge will likely cut the sealing lip during seal installation.

- 10 If the flange was cut for removal, use a pair of long-nosed pliers to grasp the flange away from the sleeve and twist it into a coil, being careful not to lift the end of the sleeve off the shaft or it will leave a jagged edge. Flange removal must be done with care to avoid damage to the outside diameter of the sleeve.
- 11 After the sleeve is installed, check again for burrs that could damage the seal.
- 12 Lubricate the sleeve with the system medium before installing the seal.
- 13 Proceed with seal installation.

Removal

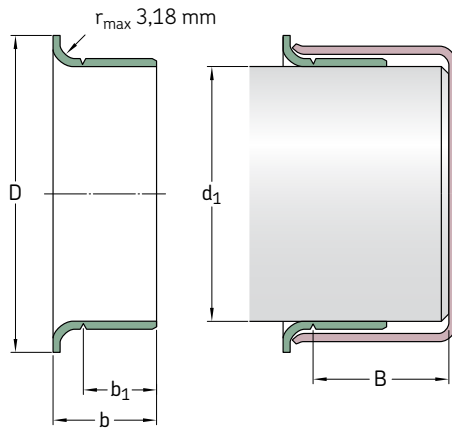
SKF SPEEDI-SLEEVE can be removed by applying heat to the sleeve with an electric heat blower, which will expand it enough to let it slide off the shaft without causing any damage to the shaft. Alternatively, the sleeve can be removed in any of the following ways, always using care not to damage the shaft surface:

- by relieving the press-fit tension using a small hammer to peen across the full width of the sleeve
- by using a cold chisel to cut through the sleeve
- by using a pair of wire cutters starting at or near the flange and applying a twisting motion

Please note that SKF SPEEDI-SLEEVE cannot be reused.

SKF SPEEDI-SLEEVE – metric dimensions (converted from inch dimensions)

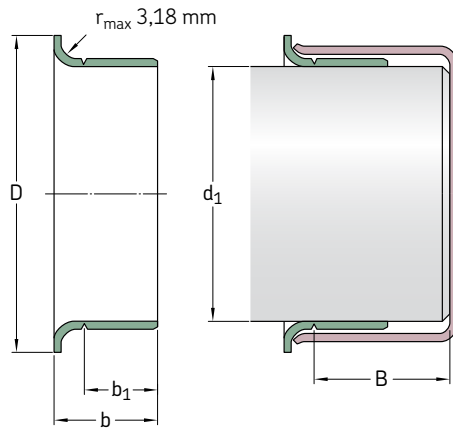
d_1 11,99 – 34,01 mm



| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|-------|--------------------|----------------|--------------------|----------------|----------|---------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 11,99 | 12,07 | 11,99 | 15,49 | 5,99 | 8,41 | 47,63 | 99049 |
| 12,65 | 12,75 | 12,70 | 15,49 | 6,35 | 8,74 | 50,80 | 99050 |
| 13,89 | 14,00 | 14,00 | 19,05 | 6,35 | 9,93 | 46,51 | 99055 |
| 14,22 | 14,38 | 14,30 | 19,05 | 6,35 | 9,93 | 46,51 | 99056 |
| 14,96 | 15,06 | 15,01 | 19,05 | 5,00 | 8,99 | 47,29 | 99059 |
| 15,82 | 15,93 | 15,88 | 19,05 | 7,95 | 10,31 | 50,80 | 99810 ²⁾ |
| | | 15,88 | 19,05 | 7,95 | 10,31 | 50,80 | 99062 |
| 15,90 | 16,00 | 16,00 | 18,24 | 7,95 | 11,13 | 50,80 | 99058 |
| 16,94 | 17,04 | 16,99 | 22,23 | 8,00 | 11,00 | 50,80 | 99068 |
| 17,32 | 17,42 | 17,37 | 22,86 | 7,95 | 11,13 | 50,80 | 99060 |
| 17,88 | 18,01 | 18,01 | 24,43 | 8,00 | 11,00 | 46,00 | 99082 |
| 19,00 | 19,10 | 19,05 | 24,00 | 7,95 | 11,13 | 50,80 | 99811 ²⁾ |
| | | 19,05 | 24,00 | 7,95 | 11,13 | 50,80 | 99076 |
| 19,28 | 19,33 | 19,30 | 23,83 | 7,95 | 11,13 | 50,80 | 99081 |
| 19,81 | 19,91 | 19,84 | 23,75 | 7,95 | 11,13 | 50,80 | 99080 |
| 19,94 | 20,04 | 19,99 | 23,62 | 8,00 | 11,00 | 50,80 | 99078 |
| 20,62 | 20,70 | 20,65 | 30,18 | 9,53 | 14,30 | 76,20 | 99083 |
| 21,77 | 21,87 | 21,82 | 29,34 | 6,35 | 9,53 | 50,80 | 99086 |
| 21,87 | 22,00 | 22,00 | 30,18 | 6,58 | 9,12 | 47,14 | 99084 |
| | | 22,00 | 30,18 | 8,00 | 11,99 | 46,02 | 99085 |
| 22,17 | 22,28 | 22,23 | 27,79 | 7,95 | 11,13 | 50,80 | 99812 ²⁾ |
| | | 22,23 | 27,79 | 7,95 | 11,13 | 50,80 | 99087 |
| 23,06 | 23,16 | 23,11 | 30,94 | 7,95 | 11,13 | 46,91 | 99860 ²⁾ |
| | | 23,11 | 30,94 | 7,95 | 11,13 | 46,91 | 99091 |
| 23,88 | 24,00 | 24,00 | 28,70 | 7,95 | 11,13 | 50,80 | 99092 |
| 24,54 | 24,64 | 24,61 | 28,70 | 7,95 | 11,13 | 50,80 | 99094 |
| | | 24,61 | 28,70 | 15,88 | 18,26 | 50,80 | 99096 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold



| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|-------|--------------------|----------------|--------------------|----------------|----------|---------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 24,94 | 25,04 | 24,99 | 33,02 | 7,95 | 11,00 | 50,80 | 99813 ²⁾ |
| | | 24,99 | 33,02 | 7,95 | 11,00 | 50,80 | 99098 |
| 25,35 | 25,45 | 25,40 | 30,96 | 7,95 | 11,13 | 50,80 | 99814 ²⁾ |
| | | 25,40 | 30,96 | 7,95 | 11,13 | 50,80 | 99868 ³⁾ |
| 25,88 | 26,01 | 26,01 | 33,35 | 8,00 | 11,99 | 46,05 | 99103 |
| 26,92 | 27,03 | 27,00 | 33,53 | 7,95 | 11,13 | 46,81 | 99815 ²⁾ |
| | | 27,00 | 33,53 | 7,95 | 11,13 | 46,81 | 99106 |
| 27,61 | 27,71 | 27,66 | 35,71 | 7,95 | 11,13 | 15,88 | 99108 |
| 27,94 | 28,04 | 27,99 | 34,93 | 9,53 | 12,70 | 46,81 | 99866 ²⁾ |
| | | 27,99 | 34,93 | 9,53 | 12,70 | 46,81 | 99111 |
| 28,52 | 28,63 | 28,58 | 38,10 | 7,95 | 11,13 | 17,48 | 99816 ²⁾ |
| | | 28,58 | 38,10 | 7,95 | 11,13 | 17,48 | 99112 |
| | | 28,58 | 38,10 | 9,53 | 12,70 | 17,48 | 99116 |
| 29,31 | 29,41 | 29,36 | 34,29 | 9,53 | 12,70 | 17,48 | 99865 ²⁾ |
| | | 29,36 | 34,29 | 9,53 | 12,70 | 17,48 | 99120 |
| 29,79 | 29,92 | 29,85 | 35,56 | 7,95 | 11,13 | 17,48 | 99122 |
| 29,95 | 30,07 | 30,00 | 35,56 | 8,00 | 11,00 | 17,48 | 99114 |
| 30,10 | 30,23 | 30,18 | 35,56 | 7,95 | 11,13 | 17,48 | 99118 |
| 30,89 | 31,04 | 30,96 | 39,70 | 7,95 | 11,00 | 15,88 | 99123 |
| 31,42 | 31,57 | 31,50 | 39,12 | 8,00 | 11,13 | 17,48 | 99141 |
| 31,67 | 31,83 | 31,75 | 38,10 | 7,95 | 11,13 | 17,48 | 99817 ²⁾ |
| | | 31,75 | 38,10 | 7,95 | 11,13 | 17,48 | 99125 |
| 31,93 | 32,08 | 32,00 | 38,10 | 8,00 | 11,13 | 17,48 | 99128 |
| 32,94 | 33,05 | 32,99 | 40,49 | 15,01 | 18,01 | 25,40 | 99121 |
| 33,22 | 33,38 | 33,35 | 40,64 | 6,35 | 9,53 | 20,65 | 99129 |
| 33,27 | 33,43 | 33,35 | 40,49 | 12,70 | 15,88 | 20,65 | 99818 ²⁾ |
| | | 33,35 | 40,49 | 12,70 | 15,88 | 20,65 | 99131 |
| 33,86 | 34,01 | 34,01 | 41,28 | 12,70 | 15,88 | 20,65 | 99134 |

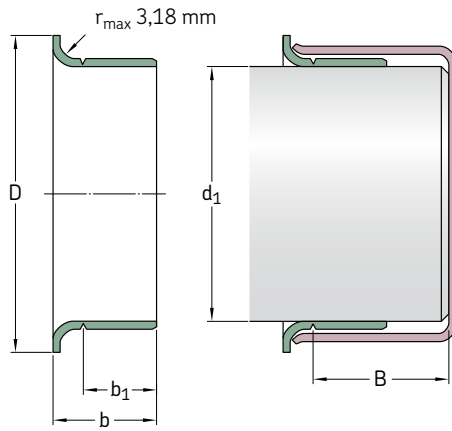
¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99100

SKF SPEEDI-SLEEVE – metric dimensions (converted from inch dimensions)

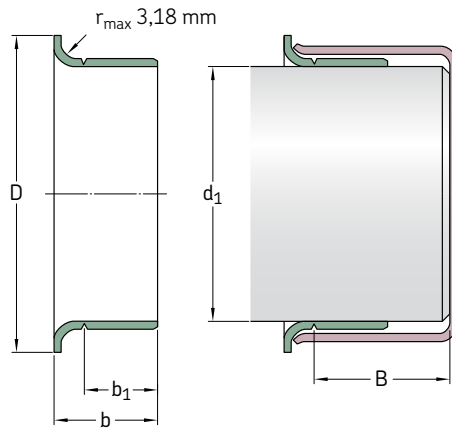
d₁ 34,82 – 49,28 mm



| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|-----------------------|-------|--------------------|-----------|------------------------|-----------|-----------------|---------------------|
| d ₁ min | max | d ₁ | D ±1,6 | b ₁ ±0,8 | b ±0,8 | B ¹⁾ | |
| mm | | mm | | | | | – |
| 34,82 | 34,98 | 34,93 | 41,61 | 7,95 | 11,13 | 20,65 | 99133 |
| | | 34,93 | 41,61 | 12,70 | 15,88 | 20,65 | 99819 ²⁾ |
| | | 34,93 | 41,61 | 12,70 | 15,88 | 20,65 | 99138 |
| 34,93 | 35,08 | 34,93 | 41,61 | 13,00 | 16,00 | 20,65 | 99820 ²⁾ |
| | | 34,93 | 41,61 | 13,00 | 16,00 | 20,65 | 99139 |
| 35,84 | 35,99 | 35,99 | 45,24 | 13,00 | 16,99 | 24,99 | 99146 |
| 36,37 | 36,53 | 36,53 | 45,24 | 14,30 | 17,48 | 25,81 | 99821 ²⁾ |
| | | 36,53 | 45,24 | 14,30 | 17,48 | 25,81 | 99143 |
| 36,45 | 36,60 | 36,53 | 45,24 | 9,53 | 12,70 | 25,81 | 99144 |
| 37,85 | 38,00 | 38,00 | 45,24 | 13,00 | 16,99 | 24,99 | 99147 |
| 38,02 | 38,18 | 38,10 | 45,24 | 9,53 | 12,70 | 25,81 | 99823 ²⁾ |
| | | 38,10 | 45,24 | 9,53 | 12,70 | 25,81 | 99150 |
| | | 38,10 | 45,24 | 14,30 | 17,48 | 25,81 | 99822 ²⁾ |
| | | 38,10 | 45,24 | 14,30 | 17,48 | 25,81 | 99149 |
| 38,61 | 38,76 | 38,68 | 47,22 | 11,13 | 14,30 | 25,81 | 99152 |
| 39,34 | 39,50 | 39,42 | 47,22 | 11,13 | 14,30 | 25,81 | 99155 |
| 39,60 | 39,75 | 39,67 | 47,22 | 14,30 | 17,48 | 25,81 | 99824 ²⁾ |
| | | 39,67 | 47,22 | 14,30 | 17,48 | 25,81 | 99156 |
| 39,78 | 39,93 | 39,85 | 47,22 | 15,88 | 19,05 | 25,81 | 99159 |
| 39,85 | 40,01 | 40,01 | 46,99 | 9,91 | 12,93 | 25,40 | 99153 |
| 39,93 | 40,08 | 40,08 | 46,99 | 13,00 | 16,00 | 25,98 | 99825 ²⁾ |
| | | 40,08 | 46,99 | 13,00 | 16,00 | 25,98 | 99157 |
| 40,69 | 40,84 | 40,77 | 49,23 | 12,70 | 16,28 | 25,40 | 99160 |
| 40,84 | 41,00 | 41,00 | 49,23 | 12,70 | 15,88 | 25,81 | 99163 |
| 41,20 | 41,35 | 41,28 | 47,63 | 7,95 | 11,13 | 25,81 | 99161 |
| | | 41,28 | 47,63 | 14,30 | 17,48 | 20,65 | 99826 ²⁾ |
| | | 41,28 | 47,63 | 14,30 | 17,48 | 20,65 | 99162 |
| 41,83 | 42,01 | 41,91 | 53,01 | 11,30 | 14,50 | 21,49 | 99166 |
| | | 41,91 | 53,01 | 14,30 | 17,50 | 21,01 | 99169 |
| | | 42,01 | 53,01 | 14,30 | 17,50 | 21,01 | 99873 ²⁾ |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold



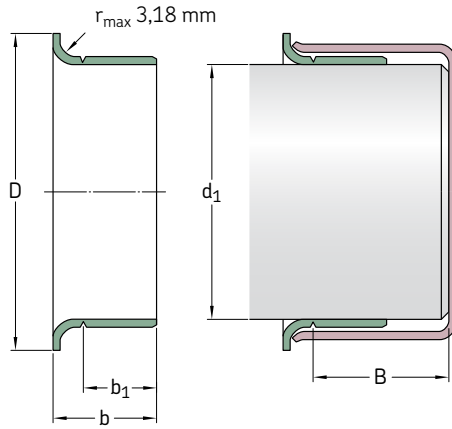
| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|--------------|--------------------|----------------|--------------------|----------------|----------|---------------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 41,99 | 42,14 | 42,06 | 53,01 | 13,97 | 17,50 | 21,01 | 99165 |
| 42,77 | 42,93 | 42,88 | 48,41 | 14,30 | 17,48 | 22,23 | 99168 |
| 42,80 | 42,95 | 42,88 | 48,41 | 7,95 | 11,13 | 22,23 | 99167 |
| 42,85 | 43,00 | 43,00 | 48,41 | 12,70 | 15,88 | 21,44 | 99182 |
| 43,56 | 43,71 | 43,66 | 51,59 | 14,30 | 17,48 | 20,65 | 99171 |
| 44,09 | 44,25 | 44,17 | 52,40 | 9,53 | 12,70 | 20,65 | 99170 |
| 44,37 | 44,53 | 44,45 | 52,20 | 9,53 | 12,70 | 20,65 | 99172 |
| | | 44,45 | 52,40 | 13,49 | 15,88 | 22,30 | 99180 |
| | | 44,45 | 52,40 | 14,30 | 17,48 | 20,65 | 99827²⁾ |
| | | 44,45 | 52,40 | 14,30 | 17,48 | 20,65 | 99174 |
| | | 44,45 | 52,40 | 19,05 | 22,23 | 20,65 | 99828²⁾ |
| | | 44,45 | 52,40 | 19,05 | 22,23 | 20,65 | 99175 |
| 44,73 | 44,88 | 44,86 | 52,40 | 14,30 | 17,48 | 20,65 | 99829²⁾ |
| | | 44,86 | 52,40 | 14,30 | 17,48 | 20,65 | 99176 |
| 44,93 | 45,09 | 45,01 | 53,01 | 14,00 | 16,99 | 20,62 | 99830²⁾ |
| | | 45,01 | 53,01 | 14,00 | 16,99 | 20,62 | 99177 |
| 45,16 | 45,31 | 45,24 | 53,98 | 16,94 | 20,32 | 26,97 | 99179 |
| 45,95 | 46,10 | 46,05 | 53,09 | 14,30 | 17,48 | 25,40 | 99831²⁾ |
| | | 46,05 | 53,09 | 14,30 | 17,48 | 25,40 | 99181 |
| 47,17 | 47,32 | 47,22 | 54,76 | 14,30 | 17,48 | 25,40 | 99185 |
| 47,40 | 47,55 | 47,45 | 55,58 | 22,58 | 26,04 | 25,40 | 99186 |
| 47,55 | 47,70 | 47,63 | 55,96 | 4,45 | 7,49 | 18,90 | 99190 |
| | | 47,63 | 55,96 | 7,49 | 10,54 | 18,90 | 99188 |
| | | 47,63 | 55,96 | 9,53 | 13,11 | 26,67 | 99184 |
| | | 47,63 | 55,96 | 14,30 | 17,48 | 25,40 | 99832²⁾ |
| | | 47,63 | 55,96 | 14,30 | 17,48 | 25,40 | 99187 |
| 47,93 | 48,08 | 48,03 | 56,01 | 14,00 | 16,97 | 24,99 | 99189 |
| 48,49 | 48,64 | 48,56 | 56,36 | 9,53 | 12,70 | 25,40 | 99192 |
| 49,12 | 49,28 | 49,23 | 56,36 | 14,30 | 17,48 | 25,40 | 99833²⁾ |
| | | 49,23 | 56,36 | 14,30 | 17,48 | 25,40 | 99193 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – metric dimensions (converted from inch dimensions)

d₁ 49,91 – 69,93 mm

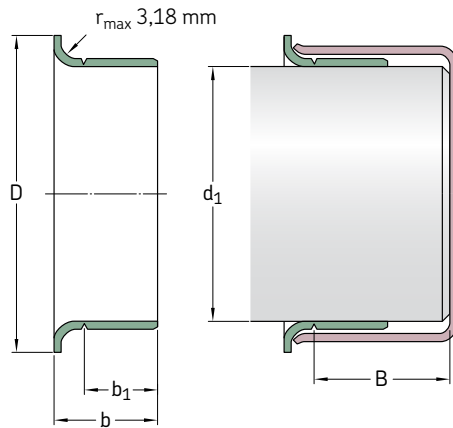


| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|-----------------------|-------|--------------------|-----------|------------------------|-----------|-----------------|---------------------------|
| d ₁ min | max | d ₁ | D ±1,6 | b ₁ ±0,8 | b ±0,8 | B ¹⁾ | |
| mm | | mm | | | | | – |
| 49,91 | 50,06 | 50,01 | 56,49 | 14,00 | 16,97 | 34,29 | 99052 |
| | | 50,01 | 57,00 | 14,00 | 16,97 | 24,99 | 99196 |
| 50,22 | 50,37 | 50,29 | 58,75 | 14,30 | 17,88 | 26,67 | 99198 |
| 50,72 | 50,88 | 50,80 | 61,11 | 14,30 | 17,48 | 25,55 | 99834²⁾ |
| | | 50,80 | 61,11 | 14,30 | 17,48 | 25,40 | 99199 |
| | | 50,80 | 61,11 | 22,23 | 25,40 | 25,40 | 99835²⁾ |
| | | 50,80 | 61,11 | 22,23 | 25,40 | 25,40 | 99200 |
| 51,82 | 51,99 | 51,99 | 62,71 | 12,70 | 15,88 | 34,52 | 99878³⁾ |
| 52,25 | 52,40 | 52,40 | 62,71 | 19,84 | 23,83 | 34,93 | 99205 |
| 53,92 | 54,05 | 53,98 | 61,52 | 12,70 | 19,05 | 32,54 | 99210 |
| 53,95 | 54,10 | 53,98 | 61,52 | 19,84 | 23,83 | 34,93 | 99836²⁾ |
| | | 53,98 | 61,52 | 19,84 | 23,83 | 34,93 | 99212 |
| 54,91 | 55,07 | 54,99 | 62,00 | 19,99 | 22,99 | 31,75 | 99863²⁾ |
| | | 54,99 | 62,00 | 19,99 | 22,99 | 31,75 | 99215 |
| 55,52 | 55,68 | 55,58 | 63,50 | 19,84 | 23,83 | 33,35 | 99218 |
| 55,83 | 56,01 | 56,01 | 64,29 | 12,70 | 15,88 | 33,35 | 99220 |
| | | 56,01 | 64,29 | 19,79 | 23,77 | 80,01 | 99224 |
| 56,57 | 56,72 | 56,64 | 64,29 | 12,70 | 15,88 | 33,35 | 99861²⁾ |
| | | 56,64 | 64,29 | 12,70 | 15,88 | 33,35 | 99229 |
| | | 56,64 | 64,29 | 19,84 | 23,01 | 31,75 | 99230 |
| 56,82 | 56,97 | 56,90 | 65,10 | 19,41 | 22,86 | 31,75 | 99226 |
| 57,12 | 57,28 | 57,15 | 64,29 | 7,95 | 11,13 | 33,35 | 99838²⁾ |
| | | 57,15 | 64,29 | 7,95 | 11,13 | 33,35 | 99227 |
| | | 57,15 | 64,29 | 19,84 | 23,83 | 33,35 | 99837²⁾ |
| | | 57,15 | 64,29 | 19,84 | 23,83 | 33,35 | 99225 |
| 57,91 | 58,06 | 57,99 | 65,99 | 19,99 | 23,83 | 34,93 | 99219 |
| 58,65 | 58,80 | 58,75 | 68,28 | 19,84 | 23,83 | 34,93 | 99231 |
| 59,11 | 59,26 | 59,13 | 69,85 | 19,05 | 22,23 | 38,10 | 99233 |
| 59,92 | 60,07 | 59,99 | 70,74 | 9,40 | 11,43 | 37,36 | 99241 |
| | | 59,99 | 70,74 | 19,99 | 22,99 | 34,93 | 99869²⁾ |
| | | 59,99 | 70,74 | 19,99 | 22,99 | 34,93 | 99235 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99204



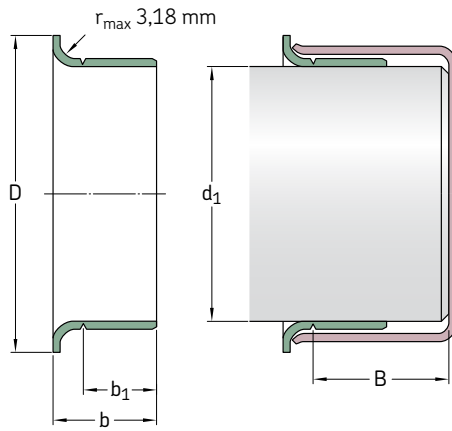
| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|-------|--------------------|------------------|--------------------|------------------|----------|---------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 60,25 | 60,40 | 60,33 | 69,85 | 15,09 | 19,05 | 34,93 | 99238 |
| 60,30 | 60,45 | 60,33 | 69,85 | 13,36 | 17,35 | 34,93 | 99240 |
| | | 60,33 | 69,85 | 19,84 | 23,83 | 34,93 | 99839 ²⁾ |
| | | 60,33 | 69,85 | 19,84 | 23,83 | 34,93 | 99237 |
| 61,82 | 62,00 | 61,93 | 71,83 | 19,84 | 23,83 | 35,38 | 99243 |
| | | 62,00 | 71,83 | 12,70 | 15,88 | 36,20 | 99244 |
| 61,85 | 62,00 | 61,93 | 71,83 | 12,70 | 15,88 | 36,20 | 99242 |
| 63,22 | 63,37 | 63,30 | 73,03 | 19,84 | 23,83 | 35,38 | 99249 |
| | | 63,42 | 63,58 | 63,50 | 71,63 | 14,10 | 16,51 |
| 63,50 | 63,65 | 63,50 | 71,83 | 12,70 | 16,66 | 35,38 | 99248 |
| | | 63,50 | 71,63 | 19,84 | 23,83 | 34,93 | 99840 ²⁾ |
| | | 63,50 | 71,63 | 19,84 | 23,83 | 34,93 | 99250 |
| 63,75 | 63,91 | 63,91 | 71,83 | 19,84 | 23,01 | 36,53 | 99251 |
| | | 64,92 | 65,07 | 65,00 | 72,39 | 19,99 | 22,99 |
| | | 65,00 | 72,39 | 19,99 | 22,99 | 34,93 | 99254 |
| 65,02 | 65,18 | 65,10 | 73,43 | 19,84 | 23,83 | 34,93 | 99256 |
| 65,91 | 66,07 | 65,99 | 75,95 | 19,84 | 23,83 | 31,75 | 99259 |
| 66,50 | 66,65 | 66,57 | 77,39 | 19,84 | 23,83 | 34,93 | 99261 |
| 66,57 | 66,73 | 66,68 | 77,39 | 19,84 | 23,01 | 34,93 | 99264 |
| 66,60 | 66,75 | 66,68 | 77,39 | 12,70 | 15,88 | 34,93 | 99260 |
| | | 66,68 | 66,83 | 66,68 | 77,39 | 19,84 | 23,83 |
| | | 66,68 | 77,39 | 19,84 | 23,83 | 34,93 | 99262 |
| 67,82 | 68,00 | 68,00 | 79,38 | 19,05 | 22,23 | 42,88 | 99266 |
| 69,27 | 69,42 | 69,34 | 79,38 | 19,84 | 23,01 | 33,35 | 99268 |
| 69,60 | 69,75 | 69,67 | 77,85 | 19,84 | 23,83 | 31,75 | 99273 |
| 69,72 | 69,88 | 69,85 | 79,38 | 19,84 | 23,83 | 31,75 | 99843 ²⁾ |
| | | 69,85 | 79,38 | 19,84 | 23,83 | 31,75 | 99274 |
| 69,77 | 69,93 | 69,85 | 78,11 | 36,53 | 41,28 | 41,28 | 99267 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – metric dimensions (converted from inch dimensions)

d₁ 69,85 – 90,58 mm

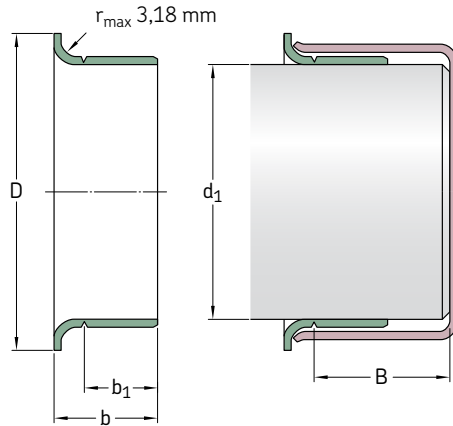


| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|-----------------------|-------|--------------------|-----------|------------------------|-----------|-----------------|---------------------|
| d ₁ min | max | d ₁ | D ±1,6 | b ₁ ±0,8 | b ±0,8 | B ¹⁾ | |
| mm | | mm | | | | | – |
| 69,85 | 70,00 | 69,85 | 79,38 | 10,31 | 14,30 | 31,75 | 99272 |
| | | 69,85 | 79,38 | 19,84 | 23,83 | 31,75 | 99844 ²⁾ |
| | | 69,85 | 79,38 | 19,84 | 23,83 | 31,75 | 99275 |
| | | 69,85 | 79,38 | 28,58 | 31,75 | 33,32 | 99269 |
| 69,93 | 70,08 | 70,00 | 79,38 | 19,99 | 24,00 | 31,75 | 99276 |
| 71,35 | 71,50 | 71,45 | 80,98 | 15,09 | 17,48 | 31,75 | 99281 |
| 71,83 | 72,01 | 72,01 | 81,92 | 19,05 | 22,23 | 34,11 | 99870 ²⁾ |
| | | 72,01 | 81,92 | 19,05 | 22,23 | 34,11 | 99284 |
| 72,09 | 72,24 | 72,09 | 81,92 | 12,70 | 16,66 | 31,75 | 99845 ²⁾ |
| | | 72,09 | 81,92 | 12,70 | 16,66 | 31,75 | 99282 |
| 72,80 | 72,95 | 72,87 | 80,98 | 19,84 | 23,83 | 31,75 | 99286 |
| 72,97 | 73,13 | 73,03 | 81,76 | 19,84 | 23,83 | 31,75 | 99846 ²⁾ |
| | | 73,03 | 81,76 | 19,84 | 23,83 | 31,75 | 99287 |
| 74,60 | 74,75 | 74,63 | 84,94 | 12,70 | 16,28 | 33,81 | 99290 |
| | | 74,63 | 84,94 | 19,84 | 23,83 | 33,35 | 99847 ²⁾ |
| | | 74,68 | 84,94 | 19,84 | 23,83 | 33,35 | 99293 |
| 74,93 | 75,08 | 75,01 | 83,13 | 15,09 | 17,53 | 27,51 | 99289 |
| | | 75,01 | 83,95 | 22,00 | 26,01 | 33,35 | 99875 ²⁾ |
| | | 75,01 | 83,95 | 22,00 | 26,01 | 33,35 | 99294 |
| 75,49 | 75,59 | 75,54 | 82,17 | 20,65 | 25,40 | 31,75 | 99292 |
| 75,95 | 76,10 | 76,02 | 85,32 | 12,29 | 15,88 | 33,81 | 99291 |
| | | 76,02 | 85,32 | 14,30 | 17,48 | 34,93 | 99298 |
| | | 76,02 | 85,09 | 20,65 | 25,40 | 32,54 | 99299 |
| 76,12 | 76,28 | 76,20 | 82,30 | 20,65 | 23,83 | 34,93 | 99296 |
| 76,20 | 76,35 | 76,20 | 84,96 | 15,88 | 20,65 | 32,51 | 99048 ³⁾ |
| | | 76,20 | 82,17 | 20,65 | 25,40 | 32,54 | 99848 ²⁾ |
| | | 76,20 | 82,17 | 20,65 | 25,40 | 32,54 | 99300 |
| 76,40 | 76,56 | 76,48 | 85,22 | 12,70 | 15,88 | 50,80 | 99301 |
| 77,83 | 78,00 | 78,00 | 88,09 | 19,05 | 22,23 | 52,22 | 99306 |
| 79,25 | 79,40 | 79,38 | 89,69 | 17,48 | 20,65 | 50,80 | 99311 |
| | | 79,38 | 89,69 | 20,65 | 25,40 | 50,80 | 99849 ²⁾ |
| | | 79,38 | 89,69 | 20,65 | 25,40 | 50,80 | 99312 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99303



| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|-------|--------------------|----------------|--------------------|----------------|----------|---------------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 79,35 | 79,55 | 79,38 | 89,54 | 14,00 | 18,01 | 51,59 | 99053³⁾ |
| 79,81 | 80,01 | 80,01 | 89,92 | 19,05 | 22,50 | 34,93 | 99313 |
| 79,91 | 80,09 | 80,01 | 89,99 | 11,00 | 15,01 | 34,93 | 99317 |
| | | 80,01 | 89,99 | 21,01 | 24,00 | 34,93 | 99315 |
| 81,92 | 82,07 | 81,99 | 91,06 | 16,76 | 21,54 | 44,45 | 99328 |
| 82,47 | 82,63 | 82,55 | 91,29 | 20,65 | 25,40 | 34,93 | 99322 |
| 82,55 | 82,70 | 82,55 | 90,81 | 15,11 | 18,26 | 34,93 | 99850²⁾ |
| | | 82,55 | 90,81 | 15,11 | 18,26 | 34,93 | 99324 |
| | | 82,55 | 91,06 | 17,48 | 22,23 | 31,75 | 99326 |
| | | 82,55 | 91,06 | 20,65 | 25,40 | 34,93 | 99851²⁾ |
| | | 82,55 | 91,06 | 20,65 | 25,40 | 34,93 | 99325 |
| 84,00 | 84,15 | 84,07 | 93,68 | 20,65 | 25,40 | 34,93 | 99331 |
| 84,76 | 85,01 | 84,89 | 93,98 | 16,99 | 21,01 | 35,00 | 99332 |
| | | 84,89 | 93,98 | 21,01 | 24,99 | 35,00 | 99872²⁾ |
| | | 84,89 | 93,98 | 21,01 | 24,99 | 35,00 | 99333 |
| 84,79 | 85,01 | 85,01 | 90,93 | 10,13 | 12,67 | 36,35 | 99334 |
| 85,67 | 85,83 | 85,73 | 93,68 | 9,53 | 12,70 | 35,81 | 99338 |
| | | 85,73 | 93,85 | 20,65 | 25,40 | 34,93 | 99337 |
| 87,25 | 87,40 | 87,33 | 97,64 | 19,84 | 23,01 | 35,71 | 99339 |
| 87,80 | 88,00 | 88,00 | 95,28 | 29,21 | 34,27 | 42,50 | 99481 |
| 88,32 | 88,47 | 88,39 | 97,41 | 19,84 | 23,01 | 35,71 | 99340 |
| 88,82 | 88,98 | 88,90 | 97,64 | 15,88 | 20,65 | 34,21 | 99346 |
| 88,90 | 89,05 | 88,90 | 97,16 | 7,95 | 12,70 | 34,21 | 99347 |
| | | 88,90 | 97,64 | 20,65 | 25,40 | 34,21 | 99852²⁾ |
| | | 88,90 | 97,64 | 20,65 | 25,40 | 34,21 | 99350 |
| 88,93 | 89,08 | 89,00 | 97,64 | 15,88 | 20,65 | 34,24 | 99349 |
| 89,92 | 90,07 | 89,99 | 101,60 | 11,13 | 13,67 | 46,05 | 99352 |
| | | 89,99 | 101,60 | 13,36 | 16,94 | 44,45 | 99353 |
| | | 89,99 | 101,60 | 18,03 | 23,01 | 46,05 | 99351 |
| | | 89,99 | 101,60 | 23,01 | 27,99 | 44,45 | 99354 |
| 90,42 | 90,58 | 90,50 | 99,06 | 20,65 | 25,40 | 44,45 | 99356 |

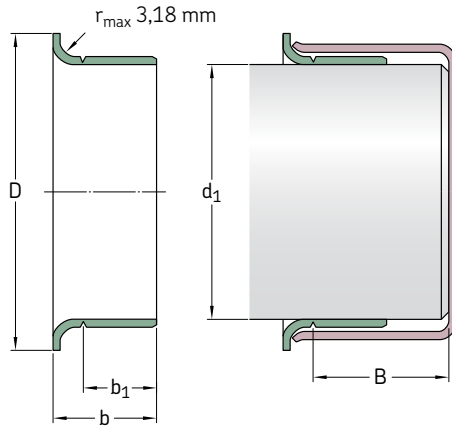
¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99307

SKF SPEEDI-SLEEVE – metric dimensions (converted from inch dimensions)

d₁ 91,90 – 130,18 mm

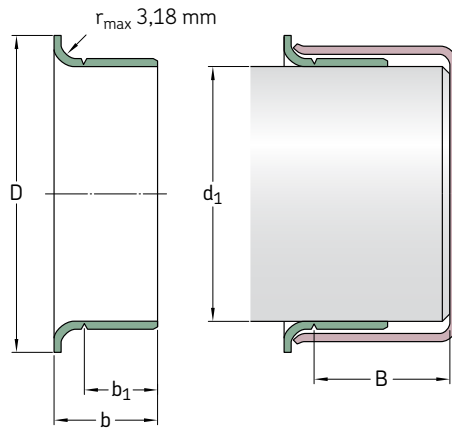


| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|-----------------------|--------|--------------------|-----------|------------------------|-----------|-----------------|-----------------------|
| d ₁ min | max | d ₁ | D ±1,6 | b ₁ ±0,8 | b ±0,8 | B ¹⁾ | |
| mm | | mm | | | | | – |
| 91,90 | 92,05 | 91,97 | 102,39 | 20,65 | 25,40 | 44,45 | 99360 |
| 92,02 | 92,18 | 92,08 | 102,24 | 12,70 | 15,88 | 44,45 | 99363 |
| | | 92,08 | 102,39 | 20,65 | 25,40 | 44,45 | 99362 |
| 93,57 | 93,73 | 93,68 | 102,39 | 7,95 | 11,13 | 22,23 | 99368 |
| 93,60 | 93,75 | 93,68 | 102,24 | 20,65 | 23,83 | 45,72 | 99365 |
| 94,67 | 94,82 | 94,74 | 102,01 | 11,91 | 15,09 | 45,72 | 99359 |
| | | 94,74 | 102,24 | 19,84 | 23,01 | 45,72 | 99366 |
| 94,92 | 95,07 | 95,00 | 102,24 | 21,01 | 24,00 | 45,72 | 99369 |
| 95,00 | 95,15 | 95,07 | 102,39 | 8,74 | 12,70 | 45,72 | 99374 |
| | | 95,07 | 102,49 | 11,91 | 15,09 | 45,72 | 99364 |
| 95,15 | 95,30 | 95,22 | 102,24 | 14,30 | 17,48 | 45,72 | 99376 |
| 95,25 | 95,40 | 95,25 | 102,11 | 17,48 | 22,23 | 45,72 | 99853 ²⁾³⁾ |
| | | 95,33 | 102,24 | 8,74 | 12,70 | 45,72 | 99367 |
| | | 95,33 | 102,11 | 17,48 | 22,23 | 45,72 | 99372 |
| 98,25 | 98,40 | 98,32 | 106,30 | 20,65 | 25,40 | 47,63 | 99386 |
| 98,37 | 98,53 | 98,43 | 107,16 | 20,65 | 25,40 | 47,63 | 99387 |
| 99,95 | 100,10 | 100,03 | 109,55 | 20,65 | 25,40 | 52,07 | 99854 ²⁾ |
| | | 100,03 | 109,55 | 20,65 | 25,40 | 52,07 | 99393 |
| 101,55 | 101,75 | 101,60 | 111,13 | 12,70 | 15,88 | 52,48 | 99401 |
| | | 101,60 | 111,13 | 15,24 | 18,42 | 52,07 | 99395 |
| | | 101,60 | 111,13 | 16,51 | 19,69 | 34,93 | 99400 |
| | | 101,60 | 111,13 | 20,65 | 25,40 | 52,07 | 99855 ²⁾ |
| | | 101,60 | 111,13 | 20,65 | 25,40 | 52,07 | 99399 |
| 103,89 | 104,09 | 103,99 | 112,73 | 19,99 | 24,00 | 35,99 | 99409 |
| 104,70 | 104,90 | 104,78 | 113,54 | 20,65 | 25,40 | 34,93 | 99412 |
| 104,90 | 105,11 | 105,00 | 113,54 | 19,99 | 23,19 | 35,00 | 99413 |
| 106,25 | 106,45 | 106,38 | 114,30 | 20,65 | 25,40 | 34,93 | 99418 |
| 107,34 | 107,54 | 107,54 | 117,09 | 19,84 | 23,01 | 36,53 | 99423 |
| 107,90 | 108,10 | 107,95 | 117,09 | 20,65 | 25,40 | 36,53 | 99424 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99372



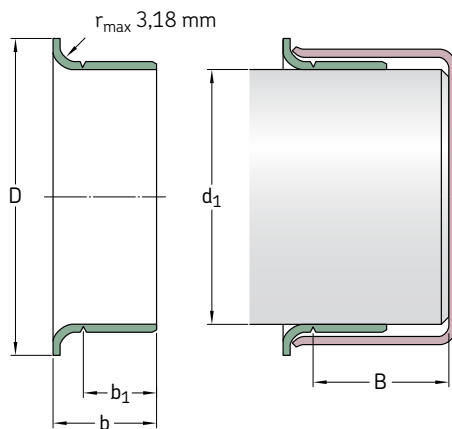
| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|--------|--------------------|----------------|--------------------|----------------|----------|---------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 109,78 | 110,01 | 110,01 | 124,99 | 11,38 | 14,96 | 32,94 | 99434 |
| 109,91 | 110,11 | 109,93 | 124,99 | 12,93 | 16,51 | 31,75 | 99435 |
| 111,00 | 111,20 | 111,13 | 120,65 | 20,65 | 25,40 | 41,91 | 99437 |
| 111,79 | 111,99 | 111,99 | 120,65 | 19,05 | 22,50 | 33,02 | 99438 |
| 112,62 | 112,83 | 112,73 | 122,25 | 25,40 | 29,01 | 33,35 | 99439 |
| 114,20 | 114,40 | 114,30 | 123,19 | 20,65 | 25,40 | 31,75 | 99856 ²⁾ |
| | | 114,30 | 124,46 | 20,65 | 25,40 | 31,75 | 99450 |
| 114,88 | 115,09 | 115,01 | 127,00 | 20,65 | 23,83 | 31,75 | 99452 |
| 117,37 | 117,58 | 117,48 | 127,00 | 11,13 | 15,88 | 34,93 | 99465 |
| | | 117,48 | 128,60 | 25,40 | 31,75 | 34,93 | 99463 |
| 119,00 | 119,20 | 119,08 | 128,60 | 20,65 | 25,40 | 34,93 | 99468 |
| 119,89 | 120,09 | 119,99 | 129,79 | 8,00 | 11,00 | 33,60 | 99471 |
| | | 119,99 | 129,79 | 19,99 | 24,99 | 32,00 | 99473 |
| 120,55 | 120,75 | 120,65 | 127,00 | 12,70 | 19,05 | 38,10 | 99475 |
| 121,89 | 122,10 | 122,00 | 131,50 | 19,99 | 24,00 | 32,00 | 99472 |
| 122,91 | 123,11 | 123,01 | 132,82 | 19,99 | 24,99 | 31,60 | 99484 |
| 123,72 | 123,93 | 123,83 | 133,35 | 15,88 | 19,05 | 36,53 | 99487 |
| 124,89 | 125,10 | 124,99 | 137,16 | 10,01 | 14,00 | 36,53 | 99490 |
| | | 124,99 | 137,16 | 26,01 | 32,00 | 36,53 | 99492 |
| 126,95 | 127,15 | 127,00 | 137,16 | 13,72 | 17,30 | 36,53 | 99501 |
| | | 127,00 | 137,16 | 17,48 | 22,23 | 36,53 | 99857 ²⁾ |
| | | 127,00 | 137,16 | 17,48 | 22,23 | 36,53 | 99498 |
| | | 127,00 | 136,91 | 20,65 | 25,40 | 36,53 | 99858 ²⁾ |
| | | 127,00 | 136,91 | 20,65 | 25,40 | 36,53 | 99499 |
| 127,80 | 128,00 | 128,00 | 135,26 | 29,21 | 34,27 | 40,30 | 99482 |
| 129,79 | 130,00 | 129,90 | 139,52 | 19,05 | 23,83 | 30,00 | 99494 |
| 129,97 | 130,18 | 130,00 | 139,52 | 22,00 | 25,30 | 32,51 | 99874 ²⁾ |
| | | 130,18 | 139,52 | 22,00 | 25,30 | 32,51 | 99491 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – metric dimensions (converted from inch dimensions)

d₁ 130,05 – 203,33 mm



Shaft diameter range

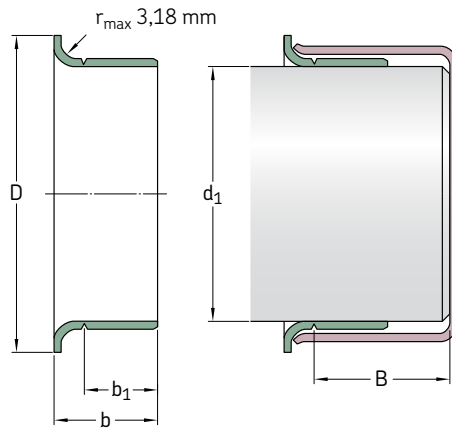
Nominal dimensions

Designation

| d ₁ min | max | d ₁ | D ±1,6 | b ₁ ±0,8 | b ±0,8 | B ¹⁾ | |
|-----------------------|--------|----------------|-----------|------------------------|-----------|-----------------|---------------------|
| mm | | mm | | | | | |
| 130,05 | 130,25 | 130,18 | 139,70 | 20,65 | 25,40 | 31,75 | 99513 |
| 133,25 | 133,45 | 133,35 | 141,22 | 20,65 | 25,40 | 31,75 | 99525 |
| 134,80 | 135,00 | 134,90 | 145,67 | 20,50 | 25,40 | 31,75 | 99533 |
| 136,42 | 136,63 | 136,53 | 149,23 | 20,65 | 25,40 | 31,75 | 99537 |
| 138,02 | 138,23 | 138,13 | 146,05 | 38,10 | 42,88 | 47,63 | 99548 |
| 138,99 | 139,19 | 139,09 | 149,86 | 14,30 | 19,05 | 31,34 | 99547 |
| 139,65 | 139,85 | 139,70 | 150,83 | 13,16 | 17,91 | 31,75 | 99550 |
| | | 139,70 | 150,83 | 20,65 | 25,40 | 31,75 | 99859 ²⁾ |
| | | 139,70 | 150,83 | 20,65 | 25,40 | 31,75 | 99549 |
| 139,90 | 140,11 | 140,00 | 151,00 | 20,50 | 25,40 | 31,75 | 99552 |
| 142,77 | 142,98 | 142,88 | 157,18 | 22,23 | 25,40 | 46,02 | 99560 |
| 144,75 | 145,01 | 145,01 | 154,94 | 19,05 | 22,23 | 46,02 | 99571 |
| 145,44 | 145,64 | 145,64 | 154,94 | 14,30 | 19,05 | 49,23 | 99562 |
| 145,95 | 146,15 | 146,05 | 156,97 | 20,65 | 25,40 | 44,45 | 99575 |
| 149,12 | 149,33 | 149,23 | 157,18 | 25,40 | 31,75 | 33,35 | 99862 ²⁾ |
| | | 149,23 | 157,18 | 25,40 | 31,75 | 33,35 | 99587 |
| 149,76 | 150,01 | 149,99 | 159,00 | 26,01 | 30,00 | 32,51 | 99595 |
| 150,72 | 150,93 | 150,83 | 161,93 | 25,40 | 28,58 | 47,63 | 99596 |
| 152,27 | 152,48 | 152,40 | 161,54 | 12,70 | 19,05 | 44,45 | 99601 |
| | | 152,40 | 161,93 | 25,40 | 31,75 | 44,45 | 99599 |
| 153,87 | 154,13 | 154,00 | 161,93 | 26,01 | 30,00 | 32,99 | 99605 |
| 154,74 | 154,99 | 154,86 | 167,01 | 26,01 | 30,00 | 32,99 | 99606 |
| 157,43 | 157,68 | 157,56 | 168,28 | 20,65 | 27,00 | 44,45 | 99620 |
| 158,62 | 158,88 | 158,75 | 168,28 | 26,19 | 31,75 | 44,45 | 99625 |
| 159,74 | 159,99 | 159,99 | 171,45 | 25,40 | 31,75 | 34,93 | 99630 |
| 164,97 | 165,23 | 165,10 | 177,80 | 25,40 | 31,75 | 34,93 | 99650 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold



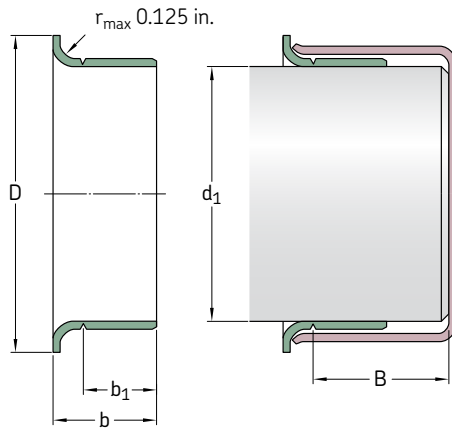
| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|---------------|--------------------|------------------|--------------------|------------------|----------|---------------------------|
| d_1 min | max | d_1 | D $\pm 1,6$ | b_1 $\pm 0,8$ | b $\pm 0,8$ | $B^{1)}$ | |
| mm | | mm | | | | | – |
| 169,75 | 170,00 | 169,88 | 182,58 | 31,75 | 38,00 | 44,45 | 99640 |
| 171,32 | 171,58 | 171,45 | 180,98 | 20,65 | 27,00 | 44,45 | 99675 |
| 174,75 | 175,01 | 175,01 | 186,99 | 27,99 | 32,00 | 35,00 | 99687 |
| 177,67 | 177,93 | 177,80 | 189,87 | 25,40 | 31,75 | 42,88 | 99864²⁾ |
| | | 177,80 | 189,87 | 25,40 | 31,75 | 42,88 | 99700 |
| 179,76 | 180,01 | 180,01 | 190,50 | 32,99 | 38,00 | 44,50 | 99721 |
| 184,00 | 184,25 | 184,15 | 197,10 | 31,75 | 38,10 | 55,25 | 99725 |
| 184,73 | 184,99 | 184,86 | 197,10 | 32,00 | 38,00 | 54,99 | 99726 |
| 189,08 | 189,33 | 189,31 | 199,64 | 20,65 | 25,40 | 31,75 | 99745 |
| 190,37 | 190,63 | 190,50 | 200,03 | 20,65 | 25,40 | 31,75 | 99750 |
| 196,72 | 196,98 | 196,85 | 210,06 | 25,40 | 33,35 | 47,63 | 99775 |
| 199,87 | 200,13 | 200,03 | 212,73 | 34,52 | 38,10 | 44,45 | 99787 |
| 201,50 | 201,75 | 201,63 | 212,73 | 25,40 | 31,75 | 44,45 | 99799 |
| 203,07 | 203,33 | 203,20 | 212,73 | 25,40 | 31,75 | 44,45 | 99800 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – inch dimensions

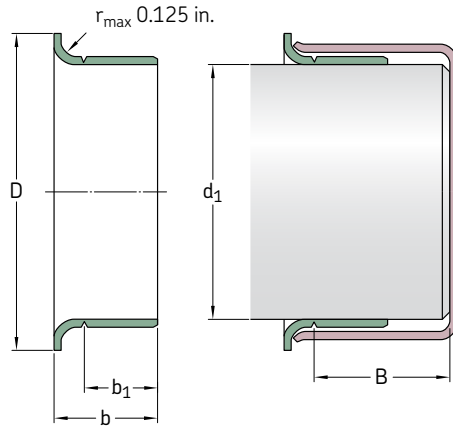
d_1 0.472 – 1.339 in.



| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|-------|--------------------|------------------|----------------------|------------------|----------|---------------------|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | |
| in. | | in. | | | | | – |
| 0.472 | 0.475 | 0.472 | 0.610 | 0.236 | 0.331 | 1.875 | 99049 |
| 0.498 | 0.502 | 0.500 | 0.610 | 0.250 | 0.344 | 2.000 | 99050 |
| 0.547 | 0.551 | 0.551 | 0.750 | 0.250 | 0.391 | 1.831 | 99055 |
| 0.560 | 0.566 | 0.563 | 0.750 | 0.250 | 0.391 | 1.831 | 99056 |
| 0.589 | 0.593 | 0.591 | 0.750 | 0.197 | 0.354 | 1.862 | 99059 |
| 0.623 | 0.627 | 0.625 | 0.750 | 0.313 | 0.406 | 2.000 | 99810 ²⁾ |
| | | 0.625 | 0.750 | 0.313 | 0.406 | 2.000 | 99062 |
| 0.626 | 0.630 | 0.630 | 0.718 | 0.313 | 0.438 | 2.000 | 99058 |
| 0.667 | 0.671 | 0.669 | 0.875 | 0.315 | 0.433 | 2.000 | 99068 |
| 0.682 | 0.686 | 0.684 | 0.900 | 0.313 | 0.438 | 2.000 | 99060 |
| 0.704 | 0.709 | 0.709 | 0.962 | 0.315 | 0.433 | 1.811 | 99082 |
| 0.748 | 0.752 | 0.750 | 0.945 | 0.313 | 0.438 | 2.000 | 99811 ²⁾ |
| | | 0.750 | 0.945 | 0.313 | 0.438 | 2.000 | 99076 |
| 0.759 | 0.761 | 0.760 | 0.938 | 0.313 | 0.438 | 2.000 | 99081 |
| 0.780 | 0.784 | 0.781 | 0.935 | 0.313 | 0.438 | 2.000 | 99080 |
| 0.785 | 0.789 | 0.787 | 0.930 | 0.315 | 0.433 | 2.000 | 99078 |
| 0.812 | 0.815 | 0.813 | 1.188 | 0.375 | 0.563 | 3.000 | 99083 |
| 0.857 | 0.861 | 0.859 | 1.155 | 0.250 | 0.375 | 2.000 | 99086 |
| 0.861 | 0.866 | 0.866 | 1.188 | 0.259 | 0.359 | 1.856 | 99084 |
| | | 0.866 | 1.188 | 0.315 | 0.472 | 1.812 | 99085 |
| 0.873 | 0.877 | 0.875 | 1.094 | 0.313 | 0.438 | 2.000 | 99812 ²⁾ |
| | | 0.875 | 1.094 | 0.313 | 0.438 | 2.000 | 99087 |
| 0.908 | 0.912 | 0.910 | 1.218 | 0.313 | 0.438 | 1.847 | 99860 ²⁾ |
| | | 0.910 | 1.218 | 0.313 | 0.438 | 1.847 | 99091 |
| 0.940 | 0.945 | 0.945 | 1.130 | 0.313 | 0.438 | 2.000 | 99092 |
| 0.966 | 0.970 | 0.969 | 1.130 | 0.313 | 0.438 | 2.000 | 99094 |
| | | 0.969 | 1.130 | 0.625 | 0.719 | 2.000 | 99096 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold



| Shaft diameter range | | Nominal dimensions | | | | | Designation | |
|----------------------|--------------|--------------------|------------------|----------------------|------------------|----------|---------------------------|---|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | | |
| in. | | in. | | | | | | – |
| 0.982 | 0.986 | 0.984 | 1.300 | 0.313 | 0.433 | 2.000 | 99813²⁾ | |
| | | 0.984 | 1.300 | 0.313 | 0.433 | 2.000 | 99098 | |
| 0.998 | 1.002 | 1.000 | 1.219 | 0.313 | 0.438 | 2.000 | 99814²⁾ | |
| | | 1.000 | 1.219 | 0.313 | 0.438 | 2.000 | 99868³⁾ | |
| 1.019 | 1.024 | 1.024 | 1.313 | 0.315 | 0.472 | 1.813 | 99103 | |
| 1.060 | 1.064 | 1.063 | 1.320 | 0.313 | 0.438 | 1.843 | 99815²⁾ | |
| | | 1.063 | 1.320 | 0.313 | 0.438 | 1.843 | 99106 | |
| 1.087 | 1.091 | 1.089 | 1.406 | 0.313 | 0.438 | 0.625 | 99108 | |
| 1.100 | 1.104 | 1.102 | 1.375 | 0.375 | 0.500 | 1.843 | 99866²⁾ | |
| | | 1.102 | 1.375 | 0.375 | 0.500 | 1.843 | 99111 | |
| 1.123 | 1.127 | 1.125 | 1.500 | 0.313 | 0.438 | 0.688 | 99816²⁾ | |
| | | 1.125 | 1.500 | 0.313 | 0.438 | 0.688 | 99112 | |
| | | 1.125 | 1.500 | 0.375 | 0.500 | 0.688 | 99116 | |
| 1.154 | 1.158 | 1.156 | 1.350 | 0.375 | 0.500 | 0.688 | 99865²⁾ | |
| | | 1.156 | 1.350 | 0.375 | 0.500 | 0.688 | 99120 | |
| 1.173 | 1.178 | 1.175 | 1.400 | 0.313 | 0.438 | 0.688 | 99122 | |
| 1.179 | 1.184 | 1.181 | 1.400 | 0.315 | 0.433 | 0.688 | 99114 | |
| 1.185 | 1.190 | 1.188 | 1.400 | 0.313 | 0.438 | 0.688 | 99118 | |
| 1.216 | 1.222 | 1.219 | 1.563 | 0.313 | 0.433 | 0.625 | 99123 | |
| 1.237 | 1.243 | 1.240 | 1.540 | 0.315 | 0.438 | 0.688 | 99141 | |
| 1.247 | 1.253 | 1.250 | 1.500 | 0.313 | 0.438 | 0.688 | 99817²⁾ | |
| | | 1.250 | 1.500 | 0.313 | 0.438 | 0.688 | 99125 | |
| 1.257 | 1.263 | 1.260 | 1.500 | 0.315 | 0.438 | 0.688 | 99128 | |
| 1.297 | 1.301 | 1.299 | 1.594 | 0.591 | 0.709 | 1.000 | 99121 | |
| 1.308 | 1.314 | 1.313 | 1.600 | 0.250 | 0.375 | 0.813 | 99129 | |
| 1.310 | 1.316 | 1.313 | 1.594 | 0.500 | 0.625 | 0.813 | 99818²⁾ | |
| | | 1.313 | 1.594 | 0.500 | 0.625 | 0.813 | 99131 | |
| 1.333 | 1.339 | 1.339 | 1.625 | 0.500 | 0.625 | 0.813 | 99134 | |

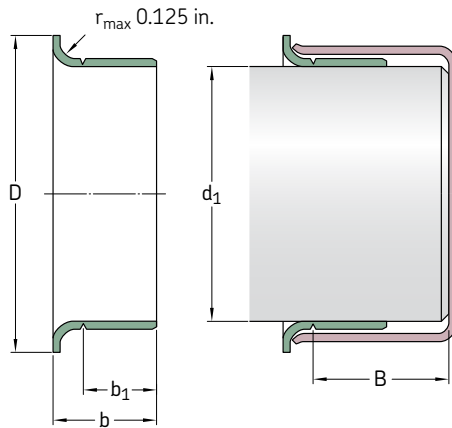
¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99100

SKF SPEEDI-SLEEVE – inch dimensions

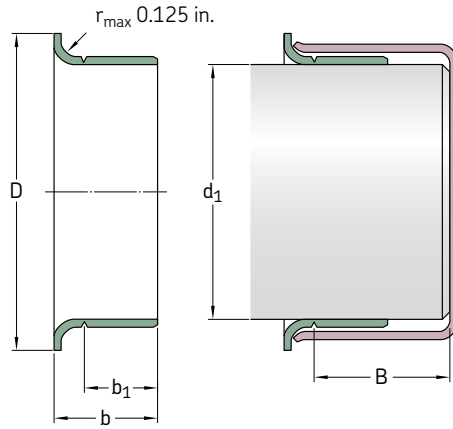
d₁ 1.371 – 1.940 in.



| Shaft diameter range | | Nominal dimensions | | | | | Designation | |
|-----------------------|--------------|--------------------|-------------|--------------------------|-------------|-----------------|---------------------------|--|
| d ₁ min | max | d ₁ | D ±0.063 | b ₁ ±0.031 | b ±0.031 | B ¹⁾ | | |
| in. | | in. | | | | | – | |
| 1.371 | 1.377 | 1.375 | 1.638 | 0.313 | 0.438 | 0.813 | 99133 | |
| | | 1.375 | 1.638 | 0.500 | 0.625 | 0.813 | 99819²⁾ | |
| | | 1.375 | 1.638 | 0.500 | 0.625 | 0.813 | 99138 | |
| 1.375 | 1.381 | 1.375 | 1.638 | 0.512 | 0.630 | 0.813 | 99820²⁾ | |
| | | 1.375 | 1.638 | 0.512 | 0.630 | 0.813 | 99139 | |
| 1.411 | 1.417 | 1.417 | 1.781 | 0.512 | 0.669 | 0.984 | 99146 | |
| 1.432 | 1.438 | 1.438 | 1.781 | 0.563 | 0.688 | 1.016 | 99821²⁾ | |
| | | 1.438 | 1.781 | 0.563 | 0.688 | 1.016 | 99143 | |
| 1.435 | 1.441 | 1.438 | 1.781 | 0.375 | 0.500 | 1.016 | 99144 | |
| 1.490 | 1.496 | 1.496 | 1.781 | 0.512 | 0.669 | 0.984 | 99147 | |
| 1.497 | 1.503 | 1.500 | 1.781 | 0.375 | 0.500 | 1.016 | 99823²⁾ | |
| | | 1.500 | 1.781 | 0.375 | 0.500 | 1.016 | 99150 | |
| | | 1.500 | 1.781 | 0.563 | 0.688 | 1.016 | 99822²⁾ | |
| | | 1.500 | 1.781 | 0.563 | 0.688 | 1.016 | 99149 | |
| 1.520 | 1.526 | 1.523 | 1.859 | 0.438 | 0.563 | 1.016 | 99152 | |
| 1.549 | 1.555 | 1.552 | 1.859 | 0.438 | 0.563 | 1.016 | 99155 | |
| 1.559 | 1.565 | 1.562 | 1.859 | 0.563 | 0.688 | 1.016 | 99824²⁾ | |
| | | 1.562 | 1.859 | 0.563 | 0.688 | 1.016 | 99156 | |
| 1.566 | 1.572 | 1.569 | 1.859 | 0.625 | 0.750 | 1.016 | 99159 | |
| 1.569 | 1.575 | 1.575 | 1.850 | 0.390 | 0.509 | 1.000 | 99153 | |
| 1.572 | 1.578 | 1.578 | 1.850 | 0.512 | 0.630 | 1.023 | 99825²⁾ | |
| | | 1.578 | 1.850 | 0.512 | 0.630 | 1.023 | 99157 | |
| 1.602 | 1.608 | 1.605 | 1.938 | 0.500 | 0.641 | 1.000 | 99160 | |
| 1.608 | 1.614 | 1.614 | 1.938 | 0.500 | 0.625 | 1.016 | 99163 | |
| 1.622 | 1.628 | 1.625 | 1.875 | 0.313 | 0.438 | 1.016 | 99161 | |
| | | 1.625 | 1.875 | 0.563 | 0.688 | 0.813 | 99826²⁾ | |
| | | 1.625 | 1.875 | 0.563 | 0.688 | 0.813 | 99162 | |
| 1.647 | 1.654 | 1.650 | 2.087 | 0.445 | 0.571 | 0.846 | 99166 | |
| | | 1.650 | 2.087 | 0.563 | 0.689 | 0.827 | 99169 | |
| | | 1.654 | 2.087 | 0.563 | 0.689 | 0.827 | 99873²⁾ | |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold



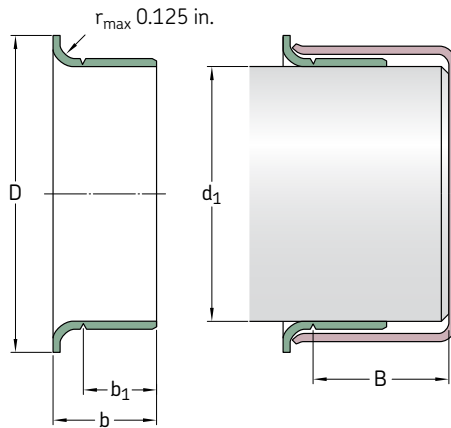
| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|--------------|--------------------|------------------|----------------------|------------------|----------|---------------------------|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | |
| in. | | in. | | | | | – |
| 1.653 | 1.659 | 1.656 | 2.087 | 0.550 | 0.689 | 0.827 | 99165 |
| 1.684 | 1.690 | 1.688 | 1.906 | 0.563 | 0.688 | 0.875 | 99168 |
| 1.685 | 1.691 | 1.688 | 1.906 | 0.313 | 0.438 | 0.875 | 99167 |
| 1.687 | 1.693 | 1.693 | 1.906 | 0.500 | 0.625 | 0.844 | 99182 |
| 1.715 | 1.721 | 1.719 | 2.031 | 0.563 | 0.688 | 0.813 | 99171 |
| 1.736 | 1.742 | 1.739 | 2.063 | 0.375 | 0.500 | 0.813 | 99170 |
| 1.747 | 1.753 | 1.750 | 2.055 | 0.375 | 0.500 | 0.813 | 99172 |
| | | 1.750 | 2.063 | 0.531 | 0.625 | 0.878 | 99180 |
| | | 1.750 | 2.063 | 0.563 | 0.688 | 0.813 | 99827²⁾ |
| | | 1.750 | 2.063 | 0.563 | 0.688 | 0.813 | 99174 |
| | | 1.750 | 2.063 | 0.750 | 0.875 | 0.813 | 99828²⁾ |
| | | 1.750 | 2.063 | 0.750 | 0.875 | 0.813 | 99175 |
| 1.761 | 1.767 | 1.766 | 2.063 | 0.563 | 0.688 | 0.813 | 99829²⁾ |
| | | 1.766 | 2.063 | 0.563 | 0.688 | 0.813 | 99176 |
| 1.769 | 1.775 | 1.772 | 2.087 | 0.551 | 0.669 | 0.812 | 99830²⁾ |
| | | 1.772 | 2.087 | 0.551 | 0.669 | 0.812 | 99177 |
| 1.778 | 1.784 | 1.781 | 2.125 | 0.667 | 0.800 | 1.062 | 99179 |
| 1.809 | 1.815 | 1.813 | 2.090 | 0.563 | 0.688 | 1.000 | 99831²⁾ |
| | | 1.813 | 2.090 | 0.563 | 0.688 | 1.000 | 99181 |
| 1.857 | 1.863 | 1.859 | 2.156 | 0.563 | 0.688 | 1.000 | 99185 |
| 1.866 | 1.872 | 1.868 | 2.188 | 0.889 | 1.025 | 1.000 | 99186 |
| 1.872 | 1.878 | 1.875 | 2.203 | 0.175 | 0.295 | 0.744 | 99190 |
| | | 1.875 | 2.203 | 0.295 | 0.415 | 0.744 | 99188 |
| | | 1.875 | 2.203 | 0.375 | 0.516 | 1.050 | 99184 |
| | | 1.875 | 2.203 | 0.563 | 0.688 | 1.000 | 99832²⁾ |
| | | 1.875 | 2.203 | 0.563 | 0.688 | 1.000 | 99187 |
| 1.887 | 1.893 | 1.891 | 2.205 | 0.551 | 0.668 | 0.984 | 99189 |
| 1.909 | 1.915 | 1.912 | 2.219 | 0.375 | 0.500 | 1.000 | 99192 |
| 1.934 | 1.940 | 1.938 | 2.219 | 0.563 | 0.688 | 1.000 | 99833²⁾ |
| | | 1.938 | 2.219 | 0.563 | 0.688 | 1.000 | 99193 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – inch dimensions

d₁ 1.965 – 2.753 in.

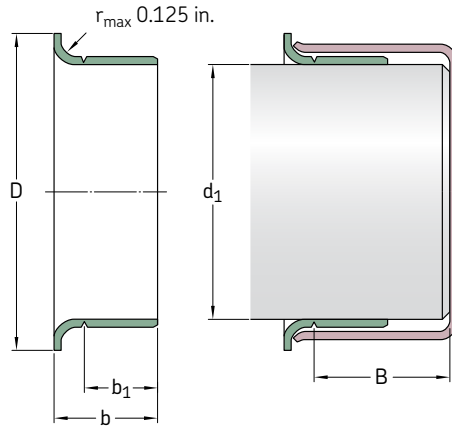


| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|-----------------------|-------|--------------------|-------------|--------------------------|-------------|-----------------|---------------------------|
| d ₁ min | max | d ₁ | D ±0.063 | b ₁ ±0.031 | b ±0.031 | B ¹⁾ | |
| in. | | in. | | | | | |
| 1.965 | 1.971 | 1.969 | 2.244 | 0.551 | 0.668 | 1.350 | 99052 |
| | | 1.969 | 2.244 | 0.551 | 0.668 | 0.984 | 99196 |
| 1.977 | 1.983 | 1.980 | 2.313 | 0.563 | 0.704 | 1.050 | 99198 |
| 1.997 | 2.003 | 2.000 | 2.406 | 0.563 | 0.688 | 1.006 | 99834²⁾ |
| | | 2.000 | 2.406 | 0.563 | 0.688 | 1.000 | 99199 |
| | | 2.000 | 2.406 | 0.875 | 1.000 | 1.000 | 99835²⁾ |
| | | 2.000 | 2.406 | 0.875 | 1.000 | 1.000 | 99200 |
| 2.040 | 2.047 | 2.047 | 2.469 | 0.500 | 0.625 | 1.359 | 99878³⁾ |
| 2.057 | 2.063 | 2.063 | 2.469 | 0.781 | 0.938 | 1.375 | 99205 |
| 2.123 | 2.128 | 2.125 | 2.422 | 0.500 | 0.750 | 1.281 | 99210 |
| 2.124 | 2.130 | 2.125 | 2.422 | 0.781 | 0.938 | 1.375 | 99836²⁾ |
| | | 2.125 | 2.422 | 0.781 | 0.938 | 1.375 | 99212 |
| 2.162 | 2.168 | 2.165 | 2.441 | 0.787 | 0.905 | 1.250 | 99863²⁾ |
| | | 2.165 | 2.441 | 0.787 | 0.905 | 1.250 | 99215 |
| 2.186 | 2.192 | 2.188 | 2.500 | 0.781 | 0.938 | 1.313 | 99218 |
| 2.198 | 2.205 | 2.205 | 2.531 | 0.500 | 0.625 | 1.313 | 99220 |
| | | 2.205 | 2.531 | 0.779 | 0.936 | 3.150 | 99224 |
| 2.227 | 2.233 | 2.230 | 2.531 | 0.500 | 0.625 | 1.313 | 99861²⁾ |
| | | 2.230 | 2.531 | 0.500 | 0.625 | 1.313 | 99229 |
| | | 2.230 | 2.531 | 0.781 | 0.906 | 1.250 | 99230 |
| 2.237 | 2.243 | 2.240 | 2.563 | 0.764 | 0.900 | 1.250 | 99226 |
| 2.249 | 2.255 | 2.250 | 2.531 | 0.313 | 0.438 | 1.313 | 99838²⁾ |
| | | 2.250 | 2.531 | 0.313 | 0.438 | 1.313 | 99227 |
| | | 2.250 | 2.531 | 0.781 | 0.938 | 1.313 | 99837²⁾ |
| | | 2.250 | 2.531 | 0.781 | 0.938 | 1.313 | 99225 |
| 2.280 | 2.286 | 2.283 | 2.598 | 0.787 | 0.938 | 1.375 | 99219 |
| 2.309 | 2.315 | 2.313 | 2.688 | 0.781 | 0.938 | 1.375 | 99231 |
| 2.327 | 2.333 | 2.328 | 2.750 | 0.750 | 0.875 | 1.500 | 99233 |
| 2.359 | 2.365 | 2.362 | 2.785 | 0.370 | 0.450 | 1.471 | 99241 |
| | | 2.362 | 2.785 | 0.787 | 0.905 | 1.375 | 99869²⁾ |
| | | 2.362 | 2.785 | 0.787 | 0.905 | 1.375 | 99235 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99204



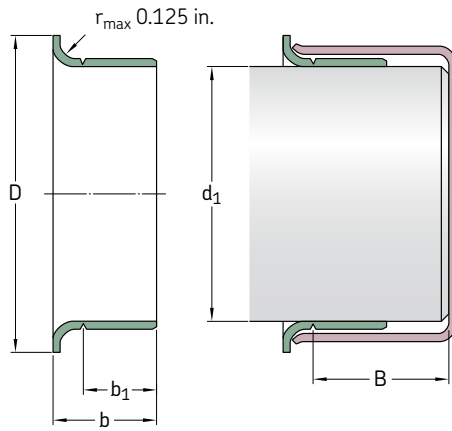
| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|-------|--------------------|------------------|----------------------|------------------|----------|---------------------|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | |
| in. | | in. | | | | | – |
| 2.372 | 2.378 | 2.375 | 2.750 | 0.594 | 0.750 | 1.375 | 99238 |
| 2.374 | 2.380 | 2.375 | 2.750 | 0.526 | 0.683 | 1.375 | 99240 |
| | | 2.375 | 2.750 | 0.781 | 0.938 | 1.375 | 99839 ²⁾ |
| | | 2.375 | 2.750 | 0.781 | 0.938 | 1.375 | 99237 |
| 2.434 | 2.441 | 2.438 | 2.828 | 0.781 | 0.938 | 1.393 | 99243 |
| | | 2.441 | 2.828 | 0.500 | 0.625 | 1.425 | 99244 |
| 2.435 | 2.441 | 2.438 | 2.828 | 0.500 | 0.625 | 1.425 | 99242 |
| 2.489 | 2.495 | 2.492 | 2.875 | 0.781 | 0.938 | 1.393 | 99249 |
| 2.497 | 2.503 | 2.500 | 2.820 | 0.555 | 0.650 | 0.890 | 99253 |
| 2.500 | 2.506 | 2.500 | 2.828 | 0.500 | 0.656 | 1.393 | 99248 |
| | | 2.500 | 2.820 | 0.781 | 0.938 | 1.375 | 99840 ²⁾ |
| | | 2.500 | 2.820 | 0.781 | 0.938 | 1.375 | 99250 |
| 2.510 | 2.516 | 2.516 | 2.828 | 0.781 | 0.906 | 1.438 | 99251 |
| 2.556 | 2.562 | 2.559 | 2.850 | 0.787 | 0.905 | 1.375 | 99841 ²⁾ |
| | | 2.559 | 2.850 | 0.787 | 0.905 | 1.375 | 99254 |
| 2.560 | 2.566 | 2.563 | 2.891 | 0.781 | 0.938 | 1.375 | 99256 |
| 2.595 | 2.601 | 2.598 | 2.990 | 0.781 | 0.938 | 1.250 | 99259 |
| 2.618 | 2.624 | 2.621 | 3.047 | 0.781 | 0.938 | 1.375 | 99261 |
| 2.621 | 2.627 | 2.625 | 3.047 | 0.781 | 0.906 | 1.375 | 99264 |
| 2.622 | 2.628 | 2.625 | 3.047 | 0.500 | 0.625 | 1.375 | 99260 |
| 2.625 | 2.631 | 2.625 | 3.047 | 0.781 | 0.938 | 1.375 | 99842 ²⁾ |
| | | 2.625 | 3.047 | 0.781 | 0.938 | 1.375 | 99262 |
| 2.670 | 2.677 | 2.677 | 3.125 | 0.750 | 0.875 | 1.688 | 99266 |
| 2.727 | 2.733 | 2.730 | 3.125 | 0.781 | 0.906 | 1.313 | 99268 |
| 2.740 | 2.746 | 2.743 | 3.065 | 0.781 | 0.938 | 1.250 | 99273 |
| 2.745 | 2.751 | 2.750 | 3.125 | 0.781 | 0.938 | 1.250 | 99843 ²⁾ |
| | | 2.750 | 3.125 | 0.781 | 0.938 | 1.250 | 99274 |
| 2.747 | 2.753 | 2.750 | 3.075 | 1.438 | 1.625 | 1.625 | 99267 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – inch dimensions

d₁ 2.750 – 3.566 in.

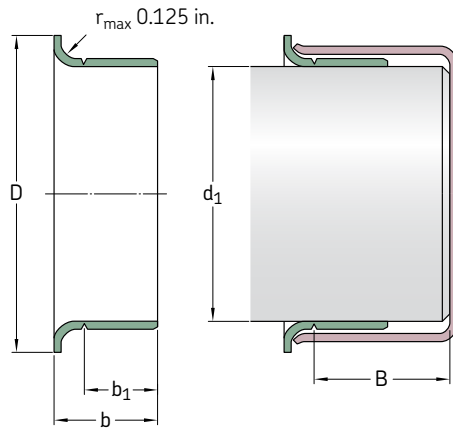


| Shaft diameter range | | Nominal dimensions | | | | | Designation | |
|-----------------------|-------|--------------------|-------------|--------------------------|-------------|-----------------|---------------------|---|
| d ₁ min | max | d ₁ | D ±0.063 | b ₁ ±0.031 | b ±0.031 | B ¹⁾ | | |
| in. | | in. | | | | | | – |
| 2.750 | 2.756 | 2.750 | 3.125 | 0.406 | 0.563 | 1.250 | 99272 | |
| | | 2.750 | 3.125 | 0.781 | 0.938 | 1.250 | 99844 ²⁾ | |
| | | 2.750 | 3.125 | 0.781 | 0.938 | 1.250 | 99275 | |
| | | 2.750 | 3.125 | 1.125 | 1.250 | 1.312 | 99269 | |
| 2.753 | 2.759 | 2.756 | 3.125 | 0.787 | 0.945 | 1.250 | 99276 | |
| 2.809 | 2.815 | 2.813 | 3.188 | 0.594 | 0.688 | 1.250 | 99281 | |
| 2.828 | 2.835 | 2.835 | 3.225 | 0.750 | 0.875 | 1.343 | 99870 ²⁾ | |
| | | 2.835 | 3.225 | 0.750 | 0.875 | 1.343 | 99284 | |
| 2.838 | 2.844 | 2.838 | 3.225 | 0.500 | 0.656 | 1.250 | 99845 ²⁾ | |
| | | 2.838 | 3.225 | 0.500 | 0.656 | 1.250 | 99282 | |
| 2.866 | 2.872 | 2.869 | 3.188 | 0.781 | 0.938 | 1.250 | 99286 | |
| 2.873 | 2.879 | 2.875 | 3.219 | 0.781 | 0.938 | 1.250 | 99846 ²⁾ | |
| | | 2.875 | 3.219 | 0.781 | 0.938 | 1.250 | 99287 | |
| 2.937 | 2.943 | 2.938 | 3.344 | 0.500 | 0.641 | 1.331 | 99290 | |
| | | 2.938 | 3.344 | 0.781 | 0.938 | 1.313 | 99847 ²⁾ | |
| | | 2.940 | 3.344 | 0.781 | 0.938 | 1.313 | 99293 | |
| 2.950 | 2.956 | 2.953 | 3.273 | 0.594 | 0.690 | 1.083 | 99289 | |
| | | 2.953 | 3.305 | 0.866 | 1.024 | 1.313 | 99875 ²⁾ | |
| | | 2.953 | 3.305 | 0.866 | 1.024 | 1.313 | 99294 | |
| 2.972 | 2.976 | 2.974 | 3.235 | 0.813 | 1.000 | 1.250 | 99292 | |
| 2.990 | 2.996 | 2.993 | 3.359 | 0.484 | 0.625 | 1.331 | 99291 | |
| | | 2.993 | 3.359 | 0.563 | 0.688 | 1.375 | 99298 | |
| | | 2.993 | 3.350 | 0.813 | 1.000 | 1.281 | 99299 | |
| 2.997 | 3.003 | 3.000 | 3.240 | 0.813 | 0.938 | 1.375 | 99296 | |
| 3.000 | 3.006 | 3.000 | 3.345 | 0.625 | 0.813 | 1.280 | 99048 ³⁾ | |
| | | 3.000 | 3.235 | 0.813 | 1.000 | 1.281 | 99848 ²⁾ | |
| | | 3.000 | 3.235 | 0.813 | 1.000 | 1.281 | 99300 | |
| 3.008 | 3.014 | 3.011 | 3.355 | 0.500 | 0.625 | 2.000 | 99301 | |
| 3.064 | 3.071 | 3.071 | 3.468 | 0.750 | 0.875 | 2.056 | 99306 | |
| 3.120 | 3.126 | 3.125 | 3.531 | 0.688 | 0.813 | 2.000 | 99311 | |
| | | 3.125 | 3.531 | 0.813 | 1.000 | 2.000 | 99849 ²⁾ | |
| | | 3.125 | 3.531 | 0.813 | 1.000 | 2.000 | 99312 | |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99303



| Shaft diameter range | | Nominal dimensions | | | | | Designation | |
|----------------------|--------------|--------------------|--------------------|----------------------|--------------------|----------|---------------------------|--|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | | |
| in. | | in. | | | | | - | |
| 3.124 | 3.132 | 3.125 | 3.525 | 0.551 | 0.709 | 2.031 | 99053³⁾ | |
| 3.142 | 3.150 | 3.150 | 3.540 | 0.750 | 0.886 | 1.375 | 99313 | |
| 3.146 | 3.153 | 3.150 | 3.543 | 0.433 | 0.591 | 1.375 | 99317 | |
| | | 3.150 | 3.543 | 0.827 | 0.945 | 1.375 | 99315 | |
| 3.225 | 3.231 | 3.228 | 3.585 | 0.660 | 0.848 | 1.750 | 99328 | |
| 3.247 | 3.253 | 3.250 | 3.594 | 0.813 | 1.000 | 1.375 | 99322 | |
| 3.250 | 3.256 | 3.250 | 3.575 | 0.595 | 0.719 | 1.375 | 99850²⁾ | |
| | | 3.250 | 3.575 | 0.595 | 0.719 | 1.375 | 99324 | |
| | | 3.250 | 3.585 | 0.688 | 0.875 | 1.250 | 99326 | |
| | | 3.250 | 3.585 | 0.813 | 1.000 | 1.375 | 99851²⁾ | |
| | | 3.250 | 3.585 | 0.813 | 1.000 | 1.375 | 99325 | |
| 3.307 | 3.313 | 3.310 | 3.688 | 0.813 | 1.000 | 1.375 | 99331 | |
| 3.337 | 3.347 | 3.342 | 3.700 | 0.669 | 0.827 | 1.378 | 99332 | |
| | | 3.342 | 3.700 | 0.827 | 0.984 | 1.378 | 99872²⁾ | |
| | | 3.342 | 3.700 | 0.827 | 0.984 | 1.378 | 99333 | |
| 3.338 | 3.347 | 3.347 | 3.580 | 0.399 | 0.499 | 1.431 | 99334 | |
| 3.373 | 3.379 | 3.375 | 3.688 | 0.375 | 0.500 | 1.410 | 99338 | |
| | | 3.375 | 3.695 | 0.813 | 1.000 | 1.375 | 99337 | |
| 3.435 | 3.441 | 3.438 | 3.844 | 0.781 | 0.906 | 1.406 | 99339 | |
| 3.457 | 3.465 | 3.465 | 3.751 | 1.150 | 1.349 | 1.673 | 99481 | |
| 3.477 | 3.483 | 3.480 | 3.835 | 0.781 | 0.906 | 1.406 | 99340 | |
| 3.497 | 3.503 | 3.500 | 3.844 | 0.625 | 0.813 | 1.347 | 99346 | |
| 3.500 | 3.506 | 3.500 | 3.825 | 0.313 | 0.500 | 1.347 | 99347 | |
| | | 3.500 | 3.844 | 0.813 | 1.000 | 1.347 | 99852²⁾ | |
| | | 3.500 | 3.844 | 0.813 | 1.000 | 1.347 | 99350 | |
| 3.501 | 3.507 | 3.504 | 3.844 | 0.625 | 0.813 | 1.348 | 99349 | |
| 3.540 | 3.546 | 3.543 | 4.000 | 0.438 | 0.538 | 1.813 | 99352 | |
| | | 3.543 | 4.000 | 0.526 | 0.667 | 1.750 | 99353 | |
| | | 3.543 | 4.000 | 0.710 | 0.906 | 1.813 | 99351 | |
| | | 3.543 | 4.000 | 0.906 | 1.102 | 1.750 | 99354 | |
| 3.560 | 3.566 | 3.563 | 3.900 | 0.813 | 1.000 | 1.750 | 99356 | |

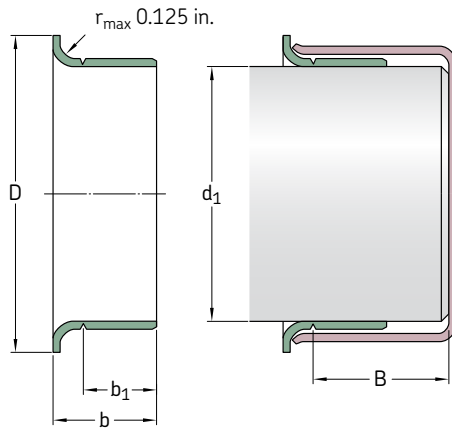
¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99307

SKF SPEEDI-SLEEVE – inch dimensions

d₁ 3.618 – 5.125 in.

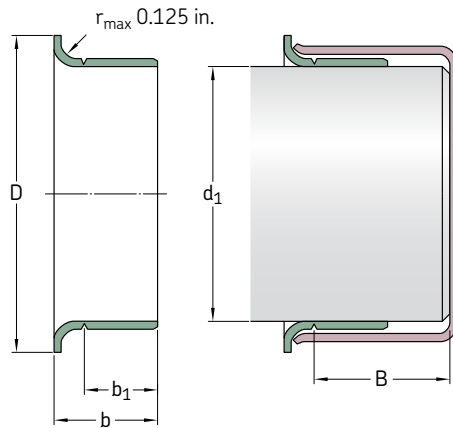


| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|-----------------------|-------|---|---|---|---|---|---|
| d ₁ min | max | d ₁ | D ±0.063 | b ₁ ±0.031 | b ±0.031 | B ¹⁾ | |
| in. | | in. | | | | | – |
| 3.618 | 3.624 | 3.621 | 4.031 | 0.813 | 1.000 | 1.750 | 99360 |
| 3.623 | 3.629 | 3.625 3.625 | 4.025 4.031 | 0.500 0.813 | 0.625 1.000 | 1.750 1.750 | 99363 99362 |
| 3.684 | 3.690 | 3.688 | 4.031 | 0.313 | 0.438 | 0.875 | 99368 |
| 3.685 | 3.691 | 3.688 | 4.025 | 0.813 | 0.938 | 1.800 | 99365 |
| 3.727 | 3.733 | 3.730 3.730 | 4.016 4.025 | 0.469 0.781 | 0.594 0.906 | 1.800 1.800 | 99359 99366 |
| 3.737 | 3.743 | 3.740 | 4.025 | 0.827 | 0.945 | 1.800 | 99369 |
| 3.740 | 3.746 | 3.743 3.743 | 4.031 4.035 | 0.344 0.469 | 0.500 0.594 | 1.800 1.800 | 99374 99364 |
| 3.746 | 3.752 | 3.749 | 4.025 | 0.563 | 0.688 | 1.800 | 99376 |
| 3.750 | 3.756 | 3.750 3.753 3.753 | 4.020 4.025 4.020 | 0.688 0.344 0.688 | 0.875 0.500 0.875 | 1.800 1.800 1.800 | 99853 ²⁾³⁾ 99367 99372 |
| 3.868 | 3.874 | 3.871 | 4.185 | 0.813 | 1.000 | 1.875 | 99386 |
| 3.873 | 3.879 | 3.875 | 4.219 | 0.813 | 1.000 | 1.875 | 99387 |
| 3.935 | 3.941 | 3.938 3.938 | 4.313 4.313 | 0.813 0.813 | 1.000 1.000 | 2.050 2.050 | 99854 ²⁾ 99393 |
| 3.998 | 4.006 | 4.000 4.000 4.000 4.000 4.000 | 4.375 4.375 4.375 4.375 4.375 | 0.500 0.600 0.650 0.813 0.813 | 0.625 0.725 0.775 1.000 1.000 | 2.066 2.050 1.375 2.050 2.050 | 99401 99395 99400 99855 ²⁾ 99399 |
| 4.090 | 4.098 | 4.094 | 4.438 | 0.787 | 0.945 | 1.417 | 99409 |
| 4.122 | 4.130 | 4.125 | 4.470 | 0.813 | 1.000 | 1.375 | 99412 |
| 4.130 | 4.138 | 4.134 | 4.470 | 0.787 | 0.913 | 1.378 | 99413 |
| 4.183 | 4.191 | 4.188 | 4.500 | 0.813 | 1.000 | 1.375 | 99418 |
| 4.226 | 4.234 | 4.234 | 4.610 | 0.781 | 0.906 | 1.438 | 99423 |
| 4.248 | 4.256 | 4.250 | 4.610 | 0.813 | 1.000 | 1.438 | 99424 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

³⁾ Previously 99372



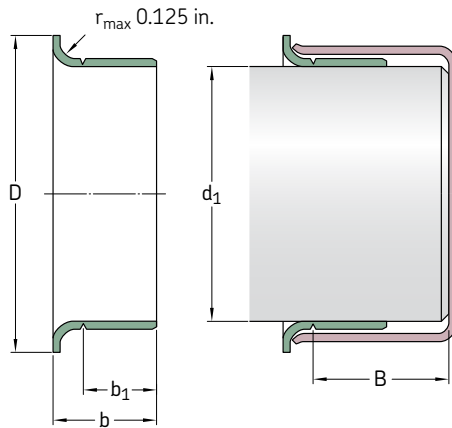
| Shaft diameter range | | Nominal dimensions | | | | | Designation | |
|----------------------|-------|--------------------|--------------------|----------------------|--------------------|----------|---------------------|---|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | | |
| in. | | in. | | | | | | – |
| 4.322 | 4.331 | 4.331 | 4.921 | 0.448 | 0.589 | 1.297 | 99434 | |
| 4.327 | 4.335 | 4.328 | 4.921 | 0.509 | 0.650 | 1.250 | 99435 | |
| 4.370 | 4.378 | 4.375 | 4.750 | 0.813 | 1.000 | 1.650 | 99437 | |
| 4.401 | 4.409 | 4.409 | 4.750 | 0.750 | 0.886 | 1.300 | 99438 | |
| 4.434 | 4.442 | 4.438 | 4.813 | 1.000 | 1.142 | 1.313 | 99439 | |
| 4.496 | 4.504 | 4.500 | 4.850 | 0.813 | 1.000 | 1.250 | 99856 ²⁾ | |
| | | 4.500 | 4.900 | 0.813 | 1.000 | 1.250 | 99450 | |
| 4.523 | 4.531 | 4.528 | 5.000 | 0.813 | 0.938 | 1.250 | 99452 | |
| 4.621 | 4.629 | 4.625 | 5.000 | 0.438 | 0.625 | 1.375 | 99465 | |
| | | 4.625 | 5.063 | 1.000 | 1.250 | 1.375 | 99463 | |
| 4.685 | 4.693 | 4.688 | 5.063 | 0.813 | 1.000 | 1.375 | 99468 | |
| 4.720 | 4.728 | 4.724 | 5.110 | 0.315 | 0.433 | 1.323 | 99471 | |
| | | 4.724 | 5.110 | 0.787 | 0.984 | 1.260 | 99473 | |
| 4.746 | 4.754 | 4.750 | 5.000 | 0.500 | 0.750 | 1.500 | 99475 | |
| 4.799 | 4.807 | 4.803 | 5.177 | 0.787 | 0.945 | 1.260 | 99472 | |
| 4.839 | 4.847 | 4.843 | 5.229 | 0.787 | 0.984 | 1.244 | 99484 | |
| 4.871 | 4.879 | 4.875 | 5.250 | 0.625 | 0.750 | 1.438 | 99487 | |
| 4.917 | 4.925 | 4.921 | 5.400 | 0.394 | 0.551 | 1.438 | 99490 | |
| | | 4.921 | 5.400 | 1.024 | 1.260 | 1.438 | 99492 | |
| 4.998 | 5.006 | 5.000 | 5.400 | 0.540 | 0.681 | 1.438 | 99501 | |
| | | 5.000 | 5.400 | 0.688 | 0.875 | 1.438 | 99857 ²⁾ | |
| | | 5.000 | 5.400 | 0.688 | 0.875 | 1.438 | 99498 | |
| | | 5.000 | 5.390 | 0.813 | 1.000 | 1.438 | 99858 ²⁾ | |
| | | 5.000 | 5.390 | 0.813 | 1.000 | 1.438 | 99499 | |
| 5.032 | 5.039 | 5.039 | 5.325 | 1.150 | 1.349 | 1.587 | 99482 | |
| 5.110 | 5.118 | 5.114 | 5.493 | 0.750 | 0.938 | 1.181 | 99494 | |
| 5.117 | 5.125 | 5.118 | 5.493 | 0.866 | 0.996 | 1.280 | 99874 ²⁾ | |
| | | 5.125 | 5.493 | 0.866 | 0.996 | 1.280 | 99491 | |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

SKF SPEEDI-SLEEVE – inch dimensions

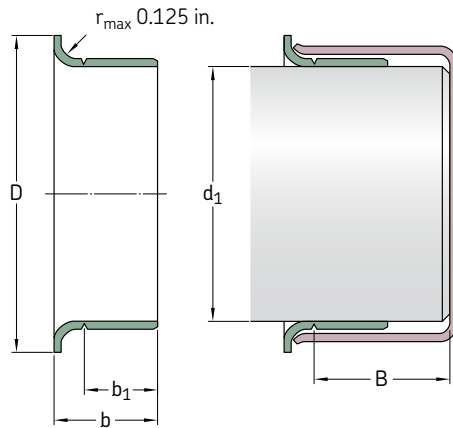
d₁ 5.120 – 8.005 in.



| Shaft diameter range | | Nominal dimensions | | | | | Designation | |
|-----------------------|-------|--------------------|-------------|--------------------------|-------------|-----------------|---------------------|---|
| d ₁ min | max | d ₁ | D ±0.063 | b ₁ ±0.031 | b ±0.031 | B ¹⁾ | | |
| in. | | in. | | | | | | – |
| 5.120 | 5.128 | 5.125 | 5.500 | 0.813 | 1.000 | 1.250 | 99513 | |
| 5.246 | 5.254 | 5.250 | 5.560 | 0.813 | 1.000 | 1.250 | 99525 | |
| 5.307 | 5.315 | 5.311 | 5.735 | 0.807 | 1.000 | 1.250 | 99533 | |
| 5.371 | 5.379 | 5.375 | 5.875 | 0.813 | 1.000 | 1.250 | 99537 | |
| 5.434 | 5.442 | 5.438 | 5.750 | 1.500 | 1.688 | 1.875 | 99548 | |
| 5.472 | 5.480 | 5.476 | 5.900 | 0.563 | 0.750 | 1.234 | 99547 | |
| 5.498 | 5.506 | 5.500 | 5.938 | 0.518 | 0.705 | 1.250 | 99550 | |
| | | 5.500 | 5.938 | 0.813 | 1.000 | 1.250 | 99859 ²⁾ | |
| | | 5.500 | 5.938 | 0.813 | 1.000 | 1.250 | 99549 | |
| 5.508 | 5.516 | 5.512 | 5.945 | 0.807 | 1.000 | 1.250 | 99552 | |
| 5.621 | 5.629 | 5.625 | 6.188 | 0.875 | 1.000 | 1.812 | 99560 | |
| 5.699 | 5.709 | 5.709 | 6.100 | 0.750 | 0.875 | 1.812 | 99571 | |
| 5.726 | 5.734 | 5.734 | 6.100 | 0.563 | 0.750 | 1.938 | 99562 | |
| 5.746 | 5.754 | 5.750 | 6.180 | 0.813 | 1.000 | 1.750 | 99575 | |
| 5.871 | 5.879 | 5.875 | 6.188 | 1.000 | 1.250 | 1.313 | 99862 ²⁾ | |
| | | 5.875 | 6.188 | 1.000 | 1.250 | 1.313 | 99587 | |
| 5.896 | 5.906 | 5.905 | 6.260 | 1.024 | 1.181 | 1.280 | 99595 | |
| 5.934 | 5.942 | 5.938 | 6.375 | 1.000 | 1.125 | 1.875 | 99596 | |
| 5.995 | 6.003 | 6.000 | 6.360 | 0.500 | 0.750 | 1.750 | 99601 | |
| | | 6.000 | 6.375 | 1.000 | 1.250 | 1.750 | 99599 | |
| 6.058 | 6.068 | 6.063 | 6.375 | 1.024 | 1.181 | 1.299 | 99605 | |
| 6.092 | 6.102 | 6.097 | 6.575 | 1.024 | 1.181 | 1.299 | 99606 | |
| 6.198 | 6.208 | 6.203 | 6.625 | 0.813 | 1.063 | 1.750 | 99620 | |
| 6.245 | 6.255 | 6.250 | 6.625 | 1.031 | 1.250 | 1.750 | 99625 | |
| 6.289 | 6.299 | 6.299 | 6.750 | 1.000 | 1.250 | 1.375 | 99630 | |
| 6.495 | 6.505 | 6.500 | 7.000 | 1.000 | 1.250 | 1.375 | 99650 | |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold



| Shaft diameter range | | Nominal dimensions | | | | | Designation |
|----------------------|--------------|--------------------|--------------------|----------------------|--------------------|----------------|---|
| d_1 min | max | d_1 | D ± 0.063 | b_1 ± 0.031 | b ± 0.031 | $B^{1)}$ | |
| in. | | in. | | | | | – |
| 6.683 | 6.693 | 6.688 | 7.188 | 1.250 | 1.496 | 1.750 | 99640 |
| 6.745 | 6.755 | 6.750 | 7.125 | 0.813 | 1.063 | 1.750 | 99675 |
| 6.880 | 6.890 | 6.890 | 7.362 | 1.102 | 1.260 | 1.378 | 99687 |
| 6.995 | 7.005 | 7.000 7.000 | 7.475 7.475 | 1.000 1.000 | 1.250 1.250 | 1.688 1.688 | 99864²⁾ 99700 |
| 7.077 | 7.087 | 7.087 | 7.500 | 1.299 | 1.496 | 1.752 | 99721 |
| 7.244 | 7.254 | 7.250 | 7.760 | 1.250 | 1.500 | 2.175 | 99725 |
| 7.273 | 7.283 | 7.278 | 7.760 | 1.260 | 1.496 | 2.165 | 99726 |
| 7.444 | 7.454 | 7.453 | 7.860 | 0.813 | 1.000 | 1.250 | 99745 |
| 7.495 | 7.505 | 7.500 | 7.875 | 0.813 | 1.000 | 1.250 | 99750 |
| 7.745 | 7.755 | 7.750 | 8.270 | 1.000 | 1.313 | 1.875 | 99775 |
| 7.869 | 7.879 | 7.875 | 8.375 | 1.359 | 1.500 | 1.750 | 99787 |
| 7.933 | 7.943 | 7.938 | 8.375 | 1.000 | 1.250 | 1.750 | 99799 |
| 7.995 | 8.005 | 8.000 | 8.375 | 1.000 | 1.250 | 1.750 | 99800 |

¹⁾ Possible max. distance of the rear groove from the shaft end when the installation tool supplied with the sleeve is used

²⁾ SKF SPEEDI-SLEEVE Gold

Wear sleeves for heavy industrial applications

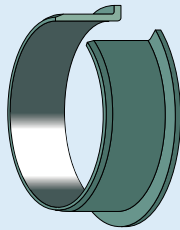
Outside contamination particles and polishing friction between a rotating shaft and a seal can, over time, result in severe shaft damage. Instead of repairing or replacing the damaged shaft, SKF recommends the use of wear sleeves for heavy industrial applications (LDSL), primarily in applications where no SKF SPEEDI-SLEEVE is available, i.e. for shaft diameters ranging from 211,15 to 1 143 mm (8.313 to 45 in.). The sleeves are made to order to fit shaft diameters within the primary ranges listed in **tables 1** and **2**. A selection of sizes is listed in the product tables starting on **page 34**.

The LDSLV designs are recommended for applications where the operating conditions for the seals are difficult, particularly where solid contaminants can reach the seals, like in rolling mills, primary metal plants and in chemical and mineral plants.

In applications where seal wear and shaft damage can be expected, SKF recommends that the wear sleeves be installed into the application from the outset. It will then not be necessary to rework the shaft before installing a replacement sleeve and the original size can be used for the replacement seal.

Table 1

Primary dimension range of LDSLV3



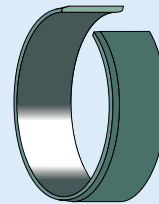
| Shaft range | | Width ¹⁾ | |
|------------------|--------------------|---------------------|----------------|
| over | incl. | min | max |
| mm/in. | | mm/in. | |
| 211,15 8.313 | 736,60 29.000 | 17,48 0.688 | 63,50 2.500 |
| 736,60 29.000 | 1 143,00 45.000 | 25,40 1.000 | 63,50 2.500 |

¹⁾ Total width (b), 38,10 to 50,80 mm (1.5 to 2 in.) at 1 143,00 mm (45 in.) shaft diameter

Contact SKF for LDSLV3 designs outside the primary range.

Table 2

Primary dimension range of LDSLV4



| Shaft range | | Width ¹⁾ | |
|------------------|--------------------|---------------------|----------------|
| over | incl. | min | max |
| mm/in. | | mm/in. | |
| 211,15 8.313 | 736,60 29.000 | 12,70 0.500 | 63,50 2.500 |
| 736,60 29.000 | 1 143,00 45.000 | 19,05 0.750 | 63,50 2.500 |

¹⁾ Total width (b), 38,10 to 50,80 mm (1.5 to 2 in.) at 1 143,00 mm (45 in.) shaft diameter

Contact SKF for LDSLV4 designs outside the primary range.

Designs and features

There are two designs of SKF wear sleeves for heavy industrial applications; LDSLV3 with a flange (→ **fig. 1**) and LDSLV4 without a flange (→ **fig. 2**). Both designs are made of SAE 1008 chromium-plated carbon steel to enhance wear and corrosion resistance. Other sleeve materials can be provided to meet the demands of a specific application. The sleeve outside diameter is specially ground to provide a precision counterface surface for the seal. The wall thickness of the standard sleeves is 2,39 mm (0.094 in.).

LDSLV3 is designed with a flange to simplify final positioning of the sleeve. The width of the counterface for the seal is 6,35 mm (0.25 in.) narrower than the total width of the sleeve. The flange adds a nominal 25,4 mm (1 in.) over the shaft diameter. The flange height is 12,7 mm (0.5 in.) for all sizes. Note that force should never be applied directly to the flange when installing an LDSLV3.

LDSLV4 has the same features as LDSLV3 but has no flange. LDSLV4 is intended for applications where a flange could interfere with other components during installation, or where a wider contact surface for the seal is required.

Using LDSLV designs

There are two alternative ways of using SKF wear sleeves for heavy industrial applications (→ **fig. 3**);

- 1 The sleeve is positioned on the shaft until it covers the damaged part and a new seal, designed for a 4,78 mm (0.188 in.) larger shaft diameter is used.
- 2 The shaft is machined down by 4,78 mm (0.188 in.) in diameter, the sleeve is installed and the original seal size is used.

The reworked shaft surface for the sleeve should have a surface roughness of between R_a 2,5 and 3,2 μm (100 to 125 $\mu\text{in.}$)

NOTE: The shaft tolerances for LDSLV designs, due to their heated slip-fit installation, are different from those for radial shaft seals. Contact SKF for assistance if the sleeves are to be used in systems with sustained temperatures higher than 75 °C (165 °F) and surface speeds in excess of 20 m/s (3 900 ft/min).

Installation

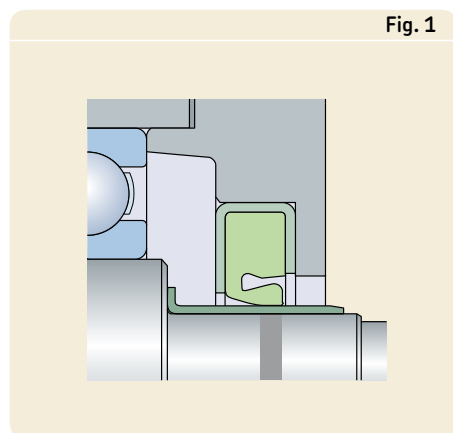
SKF wear sleeves for heavy industrial applications are designed for a heated slip-fit installation and must therefore be uniformly heated prior to installation on the shaft. The sleeve temperature should be approximately 180 °C (355 °F). Under no circumstances should the sleeve be heated to above 200 °C (390 °F). Any of the heating techniques normally used for bearings is suitable, e.g. induction heaters or heating cabinets.

The sleeves should be installed immediately after heating since they cool rapidly and could seize on the shaft before the correct position is achieved. If repositioning is necessary, use a soft faced hammer and a wooden block. After the sleeve is in the desired position, check the lead-in chamfer for any damage during installation.

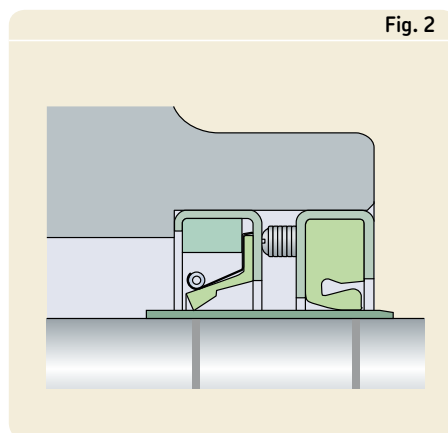
Removal

Wear sleeves for heavy industrial applications can be removed either by heating them or expanding them by light hammer blows. Prior to removal, the flange of the LDSLV3 should first be cut through at one point, using care not to damage the shaft surface.

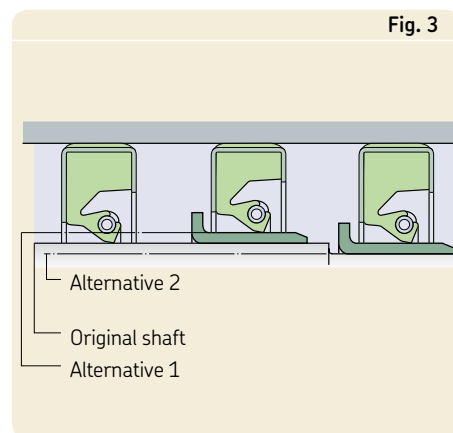
LDSLV3



LDSLV4

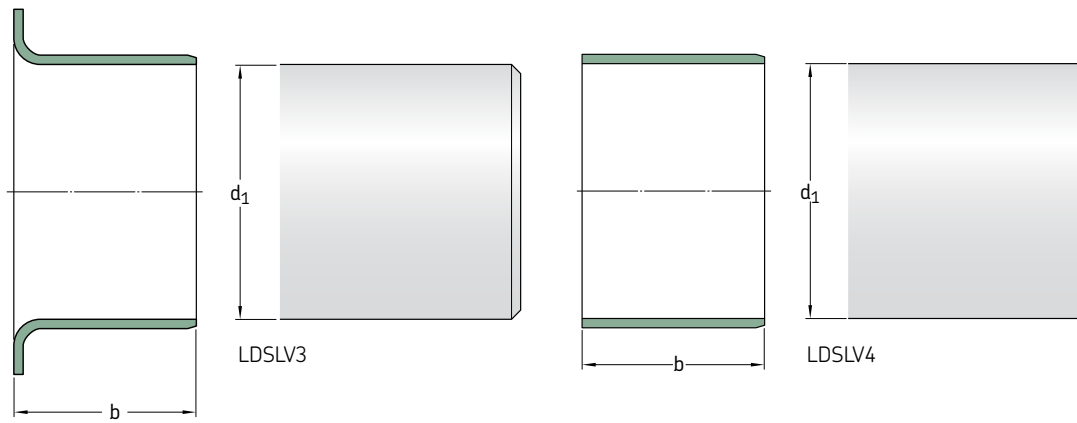


Using LDSLV designs

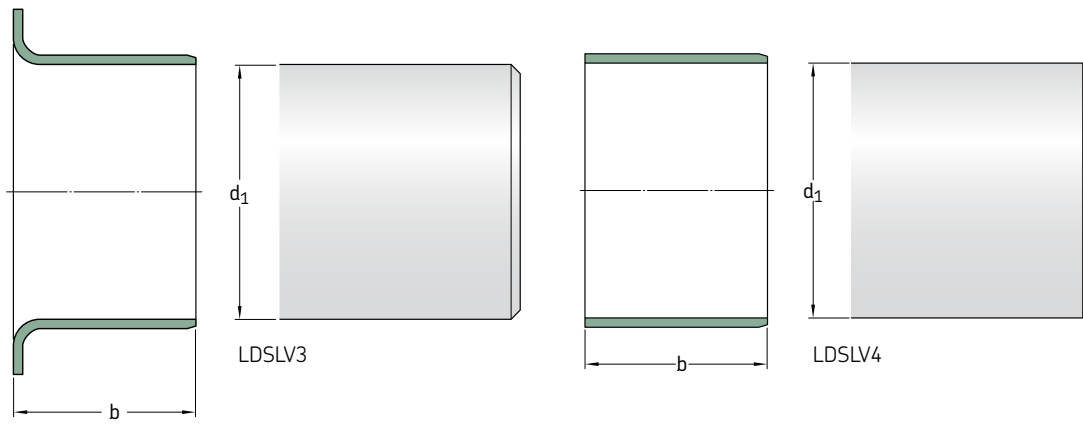


Wear sleeves for heavy industrial applications – LDSLV3 and LDSLV4 – metric dimensions

d₁ 215,00 – 1 100,23 mm



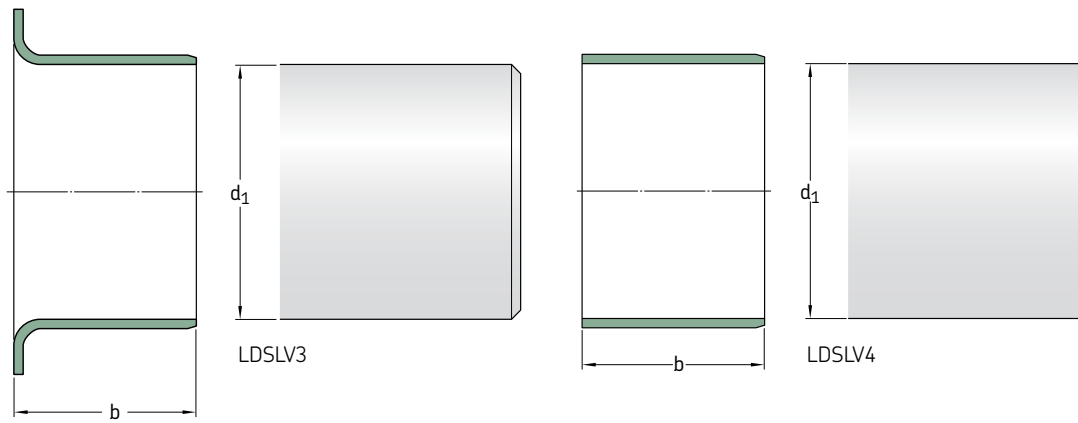
| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | | | | |
|----------------|--------------|---|--------|-------------|----------------|--------------|---|--------|-------------|--------|-------|--------|--------|
| d ₁ | b | | | | d ₁ | b | | | | | | | |
| mm | mm | mm | – | – | mm | mm | mm | – | – | | | | |
| 215,00 | 25,40 | 220 | LDSLV3 | 90179 | 405,23 | 50 | 410 | LDSLV4 | 90042 | | | | |
| 215,20 | 35 | 220 | LDSLV3 | 87831 | 419,99 | 63,50 | 425 | LDSLV3 | 97064 | | | | |
| 220,00 | 25 | 225 | LDSLV3 | 90806 | 435,20 | 63,50 | 440 | LDSLV4 | 87916 | | | | |
| | 40 | 225 | LDSLV3 | 87914 | | | | | | | | | |
| | 50,80 | 225 | LDSLV3 | 87915 | | | | | | | | | |
| 235,23 | 18 | 240 | LDSLV4 | 90952 | 455,00 | 30 | 460 | LDSLV4 | 90347 | | | | |
| 240,00 | 17,50 | 250 | LDSLV3 | 90156 | 455,20 | 50 | 460 | LDSLV4 | 87504 | | | | |
| 240,21 | 44 | 245 | LDSLV4 | 87911 | 475,18 | 20 | 480 | LDSLV4 | 87921 | | | | |
| 245,20 | 63,50 | 250 | LDSLV3 | 90766 | 494,44 | 24 | 500 | LDSLV4 | 90259 | | | | |
| 275,00 | 22 | 280 | LDSLV4 | 90546 | 495,20 | 30 | 500 | LDSLV4 | 87503 | | | | |
| 280,00 | 45 | 285 | LDSLV4 | 90437 | 503,25 | 24 | 508 | LDSLV4 | 90149 | | | | |
| 285,22 | 63,50 | 290 | LDSLV4 | 90238 | 530,00 | 20 | 535 | LDSLV4 | 87783 | | | | |
| 295,20 | 32 | 300 | LDSLV3 | 90114 | 535,23 | 63 | 540 | LDSLV4 | 90802 | | | | |
| 315,19 | 63,50 | 320 | LDSLV4 | 90155 | 555,20 | 63,50 | 560 | LDSLV4 | 90075 | | | | |
| 320,00 | 63,50 | 325 | LDSLV4 | 90198 | 575,23 | 63,50 | 580 | LDSLV4 | 90951 | | | | |
| 325,22 | 63,50 | 330 | LDSLV4 | 90239 | 585,22 | 55 | 590 | LDSLV4 | 90292 | | | | |
| | | | | | | | | | | 595,20 | 58,20 | 600 | LDSLV3 |
| 335,22 | 39 | 340 | LDSLV4 | 90777 | 595,22 | 50 | 600 | LDSLV3 | 90241 | | | | |
| | | | | | | | | | | 50 | 340 | LDSLV4 | 90792 |
| 340,00 | 18 | 340 | LDSLV4 | 87901 | 645,20 | 64 | 650 | LDSLV4 | 90004 | | | | |
| | | | | | | | | | | 50 | 340 | LDSLV4 | 90801 |
| | | | | | | | | | | 50 | 345 | LDSLV3 | 90113 |
| 355,20 | 25,40 | 360 | LDSLV4 | 90778 | 645,24 | 63,50 | 650 | LDSLV3 | 87817 | | | | |
| | | | | | | | | | | 50 | 360 | LDSLV4 | 90785 |
| 360,00 | 44 | 365 | LDSLV4 | 87500 | 665,20 | 45 | 670 | LDSLV4 | 90799 | | | | |
| | | | | | | | | | | 50 | 360 | LDSLV4 | 90785 |
| 360,22 | 45 | 365 | LDSLV4 | 90788 | 685,22 | 63,50 | 690 | LDSLV4 | 90953 | | | | |
| | | | | | | | | | | 44 | 365 | LDSLV4 | 87500 |
| 365,20 | 20 | 370 | LDSLV4 | 87531 | 714,81 | 50 | 720 | LDSLV4 | 87820 | | | | |
| | | | | | | | | | | 45 | 365 | LDSLV4 | 90788 |
| 395,22 | 63,50 | 400 | LDSLV4 | 87461 | 735,23 | 63 | 740 | LDSLV4 | 89949 | | | | |
| | | | | | | | | | | 755,19 | 63,50 | 760 | LDSLV3 |
| | | | | | 865,23 | 63,50 | 870 | LDSLV4 | 90221 | | | | |



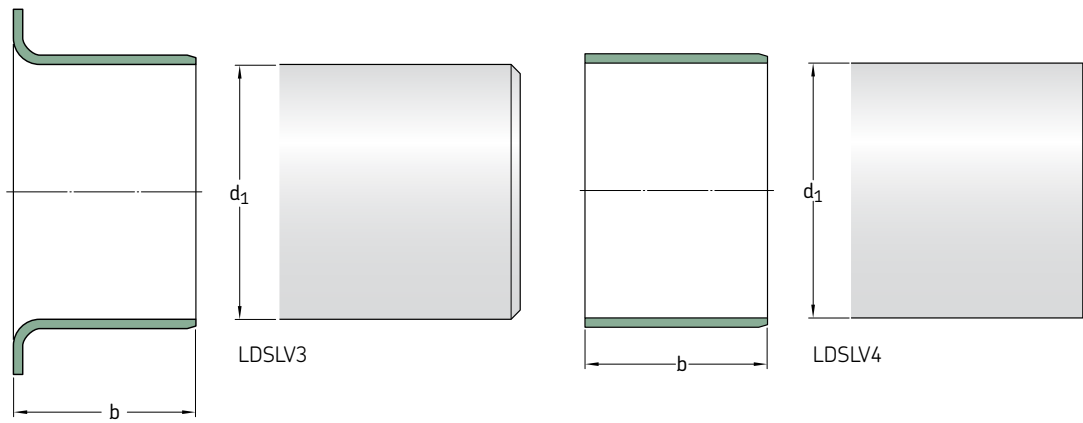
| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|-----------------|--------------|---|--------|--------------|
| d_1 | b | | | |
| mm | mm | mm | - | - |
| 875,18 | 63,50 | 880 | LDSLV4 | 90103 |
| 1 015,20 | 25 | 1 020 | LDSLV4 | 90786 |
| 1 049,33 | 60 | 1 054 | LDSLV4 | 89947 |
| 1 100,23 | 63 | 1 105 | LDSLV4 | 89946 |

Wear sleeves for heavy industrial applications – LDSLV3 and LDSLV4 – inch dimensions

d₁ 8.313 – 11.969 in.

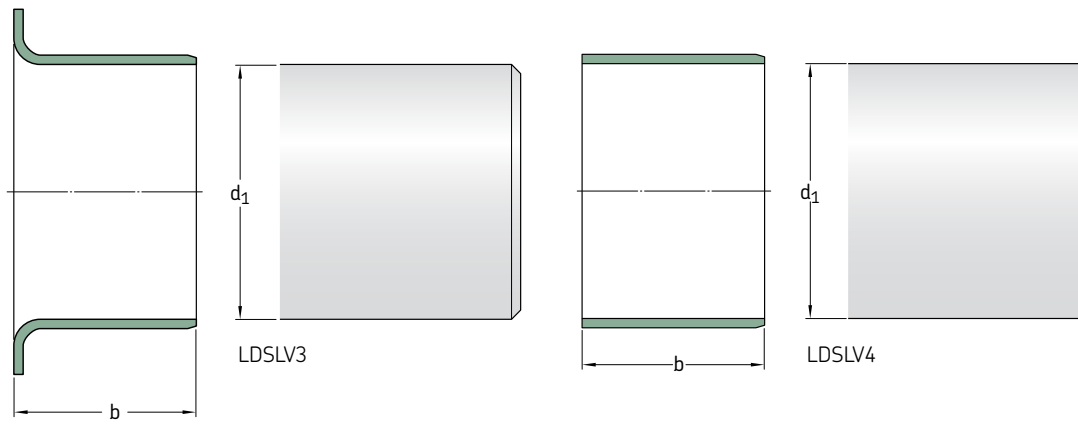


| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|------------------------|----------------|---|--------|--------------|-------------------------|----------------|---|--------|--------------|
| d ₁ | b | | | | d ₁ | b | | | |
| in./mm | in./mm | in./mm | – | – | in./mm | in./mm | in./mm | – | – |
| 8.313 211,15 | 1.250 31,75 | 8.501 215,93 | LDSLV4 | 85885 | 9.125 231,78 | 1.000 25,40 | 9.313 236,55 | LDSLV4 | 86547 |
| 8.353 212,17 | 1.500 38,10 | 8.541 216,94 | LDSLV4 | 86907 | | 1.500 38,10 | 9.313 236,55 | LDSLV4 | 90130 |
| 8.500 215,90 | 1.000 25,40 | 8.688 220,68 | LDSLV3 | 85158 | 9.250 234,95 | 0.875 22,23 | 9.438 239,73 | LDSLV4 | 84643 |
| 8.625 219,08 | 2.750 69,85 | 8.813 223,85 | LDSLV3 | 85643 | 9.260 235,20 | 1.102 27,99 | 9.448 239,98 | LDSLV4 | 87789 |
| 8.661 220,00 | 1.000 25,40 | 8.849 224,76 | LDSLV4 | 87319 | 9.313 236,55 | 1.500 38,10 | 9.501 241,33 | LDSLV3 | 85377 |
| 8.687 220,65 | 2.250 57,15 | 8.875 225,43 | LDSLV3 | 86543 | 9.449 240,00 | 1.181 30,00 | 9.637 244,78 | LDSLV4 | 87144 |
| 8.750 222,25 | 1.500 38,10 | 8.938 227,03 | LDSLV3 | 87196 | 9.500 241,30 | 2.500 63,50 | 9.688 246,08 | LDSLV4 | 86562 |
| 8.812 223,82 | 2.000 50,80 | 9.000 228,60 | LDSLV4 | 86551 | | 1.000 25,40 | 9.688 246,08 | LDSLV3 | 86633 |
| 8.813 223,85 | 1.000 25,40 | 9.001 228,63 | LDSLV3 | 85688 | 9.563 242,90 | 2.000 50,80 | 9.751 247,68 | LDSLV4 | 85073 |
| 8.866 225,20 | 2.500 63,50 | 9.054 229,97 | LDSLV4 | 87166 | | 2.000 50,80 | 9.751 247,68 | LDSLV4 | 85397 |
| 8.867 225,22 | 1.000 25,40 | 9.055 230,00 | LDSLV4 | 87462 | 9.750 247,65 | 1.438 36,53 | 9.938 252,43 | LDSLV4 | 84965 |
| 8.875 225,43 | 1.250 31,75 | 9.063 230,20 | LDSLV3 | 85973 | | 2.250 57,15 | 9.938 252,43 | LDSLV4 | 85045 |
| | 1.250 31,75 | 9.063 230,20 | LDSLV4 | 87526 | 9.813 249,25 | 1.125 28,58 | 10.001 254,03 | LDSLV4 | 86413 |
| 8.938 227,03 | 2.500 63,50 | 9.126 231,80 | LDSLV4 | 86546 | | 2.000 50,80 | 10.001 254,03 | LDSLV3 | 84156 |
| 9.000 228,60 | 1.000 25,40 | 9.188 233,38 | LDSLV3 | 87555 | 9.835 249,81 | 1.575 40,01 | 10.023 254,58 | LDSLV4 | 90773 |
| 9.055 230,00 | 1.000 25,40 | 9.243 234,77 | LDSLV3 | 89943 | | 1.000 25,40 | 10.188 258,78 | LDSLV3 | 90070 |
| 9.063 230,20 | 1.500 38,10 | 9.251 234,98 | LDSLV4 | 85931 | 10.000 254,00 | 2.250 57,15 | 10.251 260,38 | LDSLV4 | 86000 |
| | | | | | 10.063 255,60 | 1.125 28,58 | 10.376 263,55 | LDSLV4 | 84962 |

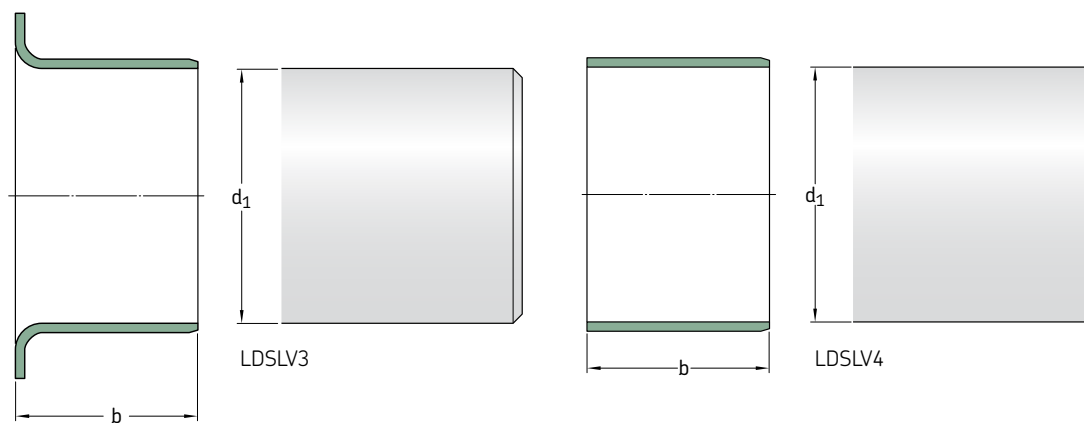


| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|-------------------------|----------------|---|--------|--------------|-------------------------|----------------|---|--------|--------------|
| d_1 | b | | | | d_1 | b | | | |
| in./mm | in./mm | in./mm | - | - | in./mm | in./mm | in./mm | - | - |
| 10.240 260,00 | 1.970 50,00 | 10.424 264,77 | LDSLV3 | 87738 | 11.031 280,19 | 1.260 32,00 | 11.219 284,96 | LDSLV4 | 87525 |
| 10.313 261,95 | 2.000 50,80 | 10.501 266,73 | LDSLV4 | 85629 | 11.062 280,97 | 1.750 44,45 | 11.250 285,75 | LDSLV4 | 85469 |
| | 2.250 57,15 | 10.501 266,73 | LDSLV3 | 85191 | 11.187 284,15 | 1.250 31,75 | 11.375 288,93 | LDSLV4 | 86269 |
| 10.441 265,20 | 2.165 54,99 | 10.629 269,98 | LDSLV4 | 86798 | 11.188 284,18 | 2.250 57,15 | 11.376 288,95 | LDSLV4 | 85212 |
| 10.500 266,70 | 2.750 69,85 | 10.688 271,48 | LDSLV4 | 86013 | 11.190 284,23 | 2.250 57,15 | 11.378 289,00 | LDSLV4 | 87566 |
| 10.557 268,15 | 2.250 57,15 | 10.745 272,92 | LDSLV4 | 85491 | 11.313 287,35 | 1.500 38,10 | 11.501 292,13 | LDSLV4 | 84094 |
| 10.562 268,27 | 0.984 24,99 | 10.750 273,05 | LDSLV4 | 90800 | 11.375 288,93 | 2.250 57,15 | 11.563 293,70 | LDSLV4 | 86145 |
| | 1.750 44,45 | 10.750 273,05 | LDSLV4 | 86468 | 11.417 290,00 | 1.750 44,45 | 11.605 294,77 | LDSLV4 | 86441 |
| | 1.813 46,05 | 10.750 273,05 | LDSLV4 | 86544 | 11.500 292,10 | 0.750 19,05 | 11.688 296,88 | LDSLV4 | 90761 |
| 10.563 268,30 | 1.500 38,10 | 10.751 273,08 | LDSLV4 | 87768 | 11.562 293,67 | 1.000 25,40 | 11.750 298,45 | LDSLV4 | 90333 |
| 10.750 273,05 | 2.500 63,50 | 10.938 277,83 | LDSLV4 | 86435 | 11.623 295,22 | 1.417 35,99 | 11.811 300,00 | LDSLV3 | 87875 |
| 10.813 274,65 | 1.000 25,40 | 11.001 279,43 | LDSLV3 | 81389 | 11.750 298,45 | 2.375 60,33 | 11.938 303,23 | LDSLV3 | 87872 |
| | 2.000 50,80 | 11.001 279,43 | LDSLV4 | 85033 | 11.812 300,02 | 1.125 28,58 | 12.000 304,80 | LDSLV4 | 86687 |
| 10.846 275,49 | 0.709 18,01 | 11.034 280,26 | LDSLV4 | 86601 | 11.813 300,05 | 1.500 38,10 | 12.001 304,83 | LDSLV4 | 85979 |
| 10.875 276,23 | 2.000 50,80 | 11.063 281,00 | LDSLV4 | 84510 | | 2.250 57,15 | 12.001 304,83 | LDSLV3 | 84819 |
| 11.000 279,40 | 1.500 38,10 | 11.188 284,18 | LDSLV4 | 86486 | | 2.750 69,85 | 12.001 304,83 | LDSLV4 | 85844 |
| | 2.500 63,50 | 11.188 284,18 | LDSLV4 | 86454 | 11.969 304,00 | 0.709 18,00 | 12.157 308,79 | LDSLV4 | 86600 |
| 11.024 280,00 | 1.181 30,00 | 11.212 284,78 | LDSLV4 | 87142 | | | | | |

Wear sleeves for heavy industrial applications – LDSLV3 and LDSLV4 – inch dimensions
 d_1 12.000 – 20.813 in.

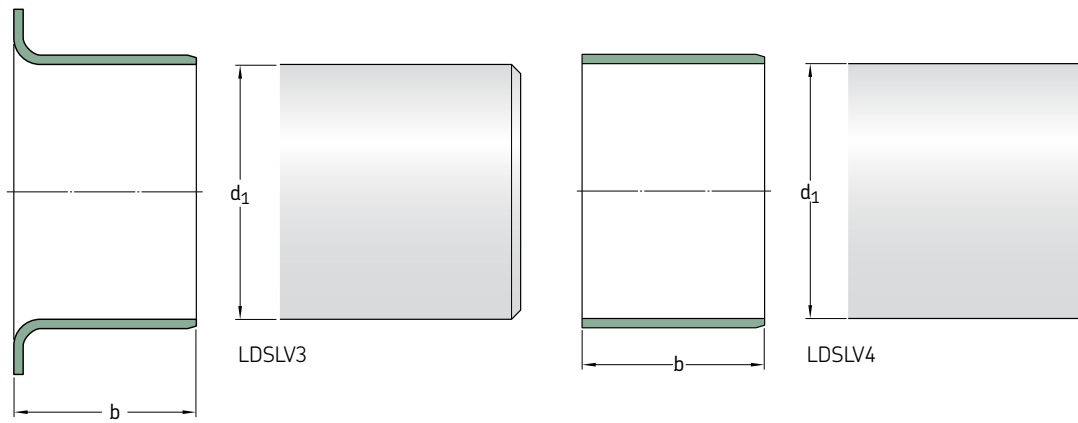


| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|-------------------------|----------------|---|--------|--------------|-------------------------|----------------|---|--------|--------------|
| d_1 | b | | | | d_1 | b | | | |
| in./mm | in./mm | in./mm | – | – | in./mm | in./mm | in./mm | – | – |
| 12.000 304,80 | 2.250 57,15 | 12.188 309,58 | LDSLV4 | 85577 | 13.813 350,85 | 1.500 38,10 | 14.001 355,63 | LDSLV3 | 81390 |
| | 2.250 57,15 | 12.188 309,58 | LDSLV3 | 87406 | | 2.000 50,80 | 14.001 355,63 | LDSLV4 | 85179 |
| 12.063 306,40 | 0.625 15,88 | 12.251 311,18 | LDSLV4 | 85418 | 14.000 355,60 | 1.375 34,93 | 14.188 360,38 | LDSLV3 | 89951 |
| | 2.500 63,50 | 12.251 311,18 | LDSLV3 | 86404 | | 1.500 38,10 | 14.188 360,38 | LDSLV3 | 81352 |
| 12.312 312,72 | 1.500 38,10 | 12.500 317,50 | LDSLV4 | 90174 | 14.173 359,99 | 1.000 25,40 | 14.361 364,77 | LDSLV4 | 87445 |
| 12.313 312,75 | 0.750 19,05 | 12.501 317,53 | LDSLV4 | 83760 | 14.313 363,55 | 1.500 38,10 | 14.501 368,33 | LDSLV4 | 86429 |
| 12.500 317,50 | 2.125 53,98 | 12.688 322,28 | LDSLV3 | 86169 | 14.438 366,73 | 2.500 63,50 | 14.626 371,50 | LDSLV3 | 86403 |
| 12.598 320,00 | 0.984 25,00 | 12.786 324,76 | LDSLV3 | 87434 | 14.500 368,30 | 1.000 25,40 | 14.688 373,08 | LDSLV4 | 85914 |
| 12.750 323,85 | 0.688 17,48 | 12.938 328,63 | LDSLV4 | 87513 | 14.813 376,25 | 1.500 38,10 | 15.001 381,03 | LDSLV4 | 87723 |
| | 1.125 28,58 | 12.938 328,63 | LDSLV3 | 82099 | | 2.125 53,98 | 15.001 381,03 | LDSLV3 | 81391 |
| | 1.500 38,10 | 12.938 328,63 | LDSLV3 | 90143 | 15.000 381,00 | 1.000 25,40 | 15.188 385,78 | LDSLV4 | 87247 |
| 12.813 325,45 | 1.000 25,40 | 13.001 330,23 | LDSLV4 | 86258 | 15.062 382,57 | 0.750 19,05 | 15.250 387,35 | LDSLV4 | 90272 |
| | 1.375 34,93 | 13.001 330,23 | LDSLV4 | 84263 | | 2.000 50,80 | 15.254 387,45 | LDSLV3 | 87871 |
| | 2.000 50,80 | 13.001 330,23 | LDSLV3 | 84390 | 15.066 382,68 | 1.000 25,40 | 15.376 390,55 | LDSLV4 | 87569 |
| | 2.500 63,50 | 13.001 330,23 | LDSLV4 | 86722 | 15.188 385,78 | 2.500 63,50 | 15.438 392,13 | LDSLV3 | 84964 |
| 13.000 330,20 | 1.750 44,45 | 13.188 334,98 | LDSLV4 | 85535 | 15.250 387,35 | 0.750 19,05 | 15.748 400,00 | LDSLV4 | 85582 |
| 13.063 331,80 | 1.125 28,58 | 13.251 336,53 | LDSLV4 | 84963 | 15.560 395,22 | 0.906 23,01 | 16.000 406,40 | LDSLV3 | 87634 |
| 13.313 338,15 | 0.813 20,65 | 13.501 342,93 | LDSLV4 | 86688 | 15.812 401,62 | 2.500 63,50 | | | |
| | 1.500 38,10 | 13.501 342,93 | LDSLV4 | 87463 | | | | | |
| | 2.000 50,80 | 13.501 342,93 | LDSLV3 | 85852 | | | | | |

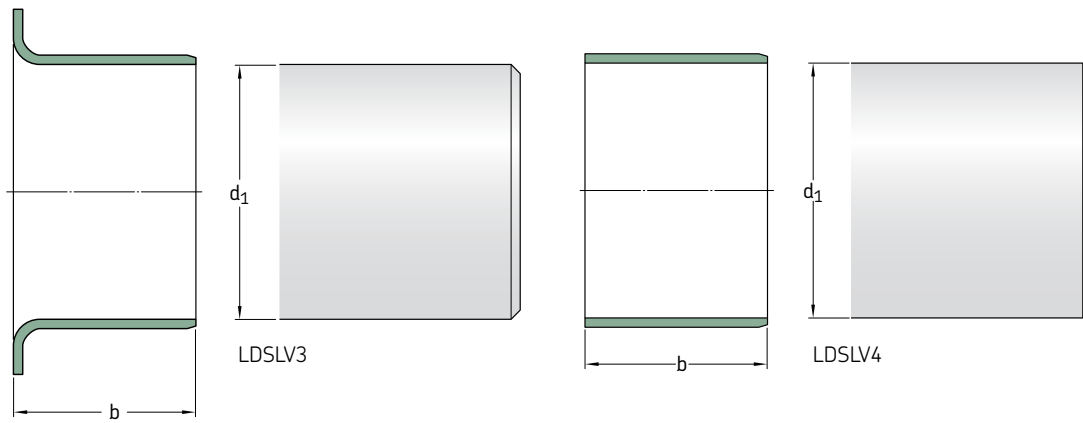


| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|-------------------------|----------------|---|--------|--------------|-------------------------|----------------|---|--------|--------------|
| d_1 | b | | | | d_1 | b | | | |
| in./mm | in./mm | in./mm | – | – | in./mm | in./mm | in./mm | – | – |
| 15.813 401,65 | 2.000 50,80 | 16.001 406,43 | LDSLV4 | 85181 | 17.750 450,85 | 1.250 31,75 | 17.938 455,63 | LDSLV4 | 90774 |
| | 2.000 50,80 | 16.001 406,43 | LDSLV3 | 87446 | | 2.500 63,50 | 17.938 455,63 | LDSLV3 | 86631 |
| | 2.500 63,50 | 16.001 406,43 | LDSLV4 | 86407 | 17.812 452,42 | 2.125 53,98 | 18.000 457,20 | LDSLV4 | 87271 |
| 15.998 406,35 | 2.250 57,15 | 16.186 411,12 | LDSLV3 | 85908 | 17.813 452,45 | 2.500 63,50 | 18.001 457,23 | LDSLV3 | 86405 |
| 16.000 406,40 | 2.000 50,80 | 16.188 411,18 | LDSLV3 | 81354 | 18.163 461,34 | 2.000 50,80 | 18.351 466,12 | LDSLV4 | 86343 |
| 16.063 408,00 | 0.500 12,70 | 16.251 412,78 | LDSLV4 | 87613 | 18.312 465,12 | 1.191 30,25 | 18.500 469,90 | LDSLV4 | 90790 |
| | 1.250 31,75 | 16.251 412,78 | LDSLV4 | 86175 | 18.813 477,85 | 1.750 44,45 | 19.001 482,63 | LDSLV4 | 86563 |
| | 1.300 33,02 | 16.251 412,78 | LDSLV4 | 86426 | | 2.250 57,15 | 19.001 482,63 | LDSLV4 | 87015 |
| | 2.000 50,80 | 16.251 412,78 | LDSLV4 | 86575 | | 2.500 63,50 | 19.001 482,63 | LDSLV4 | 86716 |
| 16.313 414,35 | 2.000 50,80 | 16.501 419,13 | LDSLV4 | 84697 | 19.496 495,20 | 2.362 59,99 | 19.684 499,97 | LDSLV4 | 87631 |
| 16.750 425,45 | 1.500 38,10 | 16.938 430,23 | LDSLV4 | 87585 | 19.497 495,22 | 1.575 40,01 | 19.685 500,00 | LDSLV4 | 87785 |
| 16.812 427,02 | 1.000 25,40 | 17.000 431,80 | LDSLV4 | 86737 | 19.500 495,30 | 1.250 31,75 | 19.688 500,08 | LDSLV4 | 90769 |
| 16.813 427,05 | 2.250 57,15 | 17.001 431,83 | LDSLV4 | 84616 | 19.563 496,90 | 2.750 69,85 | 19.751 501,68 | LDSLV4 | 85654 |
| 17.250 438,15 | 1.000 25,40 | 17.438 442,93 | LDSLV4 | 90779 | 19.813 503,25 | 1.250 31,75 | 20.001 508,03 | LDSLV4 | 84781 |
| | 2.000 50,80 | 17.438 442,93 | LDSLV4 | 84576 | 20.312 515,92 | 1.000 25,40 | 20.500 520,70 | LDSLV4 | 86739 |
| 17.313 439,75 | 1.500 38,10 | 17.501 444,53 | LDSLV4 | 86430 | 20.813 528,65 | 1.250 31,75 | 21.001 533,43 | LDSLV3 | 85800 |
| 17.449 443,20 | 2.000 50,80 | 17.637 447,98 | LDSLV4 | 85762 | | 2.125 53,98 | 21.001 533,43 | LDSLV4 | 85367 |
| 17.500 444,50 | 1.250 31,75 | 17.688 449,28 | LDSLV4 | 90770 | | 2.500 63,50 | 21.001 533,43 | LDSLV4 | 87298 |
| 17.543 445,59 | 2.362 59,99 | 17.731 450,37 | LDSLV4 | 86799 | | | | | |

Wear sleeves for heavy industrial applications – LDSLV3 and LDSLV4 – inch dimensions
 d_1 20.865 – 42.500 in.



| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|-------------------------|----------------|---|--------|--------------|-------------------------|----------------|---|--------|--------------|
| d_1 | b | | | | d_1 | b | | | |
| in./mm | in./mm | in./mm | – | – | in./mm | in./mm | in./mm | – | – |
| 20.865 529,97 | 2.250 57,15 | 21.053 534,75 | LDSLV4 | 90805 | 26.000 660,40 | 2.250 57,15 | 26.188 665,18 | LDSLV3 | 86640 |
| 20.990 533,15 | 2.250 57,15 | 21.178 537,92 | LDSLV3 | 84579 | 26.312 668,32 | 1.375 34,93 | 26.500 673,10 | LDSLV4 | 90809 |
| 21.000 533,40 | 2.250 57,15 | 21.188 538,18 | LDSLV4 | 87090 | 26.813 681,05 | 1.250 31,75 | 27.001 685,83 | LDSLV4 | 85384 |
| 21.803 553,80 | 2.362 59,99 | 21.991 558,57 | LDSLV4 | 87069 | | 2.250 57,15 | 27.001 685,83 | LDSLV4 | 85531 |
| 21.813 554,05 | 2.250 57,15 | 22.001 558,83 | LDSLV4 | 84590 | 27.000 685,80 | 2.000 50,80 | 27.188 690,58 | LDSLV4 | 86841 |
| 22.250 565,15 | 1.000 25,40 | 22.438 569,93 | LDSLV3 | 85691 | 27.063 687,40 | 2.250 57,15 | 27.251 692,18 | LDSLV4 | 84764 |
| 22.303 566,50 | 2.362 59,99 | 22.491 571,27 | LDSLV4 | 87070 | 27.313 693,75 | 2.250 57,15 | 27.501 698,53 | LDSLV4 | 91311 |
| 22.313 566,75 | 1.250 31,75 | 22.501 571,53 | LDSLV4 | 85907 | 27.500 698,50 | 2.250 57,15 | 27.688 703,28 | LDSLV4 | 84711 |
| 22.812 579,42 | 2.000 50,80 | 23.000 584,20 | LDSLV4 | 90163 | 27.812 706,42 | 2.500 63,50 | 28.000 711,20 | LDSLV4 | 87421 |
| 23.000 584,20 | 2.000 50,80 | 23.188 588,98 | LDSLV4 | 90146 | 28.312 719,12 | 2.313 58,75 | 28.500 723,90 | LDSLV3 | 87623 |
| 23.434 595,22 | 0.984 24,99 | 23.622 600,00 | LDSLV4 | 87777 | 28.813 731,85 | 2.250 57,15 | 29.001 736,63 | LDSLV4 | 84641 |
| 23.687 601,65 | 1.950 49,53 | 23.875 606,43 | LDSLV4 | 87907 | 29.813 757,25 | 2.250 57,15 | 30.001 762,03 | LDSLV4 | 84642 |
| 23.812 604,82 | 0.750 19,05 | 24.000 609,60 | LDSLV4 | 87922 | 30.000 762,00 | 2.500 63,50 | 30.188 766,78 | LDSLV3 | 86641 |
| | 2.500 63,50 | 24.000 609,60 | LDSLV4 | 87960 | 30.309 769,85 | 1.375 34,93 | 30.497 774,62 | LDSLV4 | 87530 |
| 25.000 635,00 | 2.500 63,50 | 25.188 639,78 | LDSLV4 | 86567 | 30.312 769,92 | 2.500 63,50 | 30.500 774,70 | LDSLV3 | 87842 |
| 25.312 642,92 | 2.000 50,80 | 25.500 647,70 | LDSLV4 | 86091 | 30.813 782,65 | 2.000 50,80 | 31.001 787,43 | LDSLV4 | 85039 |
| 25.313 642,95 | 2.500 63,50 | 25.501 647,73 | LDSLV4 | 87802 | 31.812 808,02 | 2.500 63,50 | 32.000 812,80 | LDSLV4 | 90810 |



| Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation | Shaft diameter | Sleeve width | Reference sleeve installed outside diameter | Design | Designation |
|--------------------------|----------------|---|--------|--------------|--------------------------|----------------|---|--------|--------------|
| d_1 | b | | | | d_1 | b | | | |
| in./mm | in./mm | in./mm | - | - | in./mm | in./mm | in./mm | - | - |
| 32.313 820,75 | 2.000 50,80 | 32.501 825,53 | LDSLV4 | 86090 | 42.500 1079,50 | 1.250 31,75 | 42.688 1084,28 | LDSLV4 | 87392 |
| 32.812 833,42 | 2.220 56,39 | 33.000 838,20 | LDSLV4 | 87850 | | | | | |
| 33.313 846,15 | 2.625 66,68 | 33.501 850,93 | LDSLV4 | 84730 | | | | | |
| 34.312 871,52 | 1.750 44,45 | 34.500 876,30 | LDSLV4 | 87529 | | | | | |
| 35.313 896,95 | 2.500 63,50 | 35.501 901,73 | LDSLV4 | 85814 | | | | | |
| 35.812 909,62 | 1.500 38,10 | 36.000 914,40 | LDSLV4 | 90332 | | | | | |
| 36.375 923,93 | 2.500 63,50 | 36.563 928,70 | LDSLV4 | 86111 | | | | | |
| 36.813 935,05 | 2.500 63,50 | 37.001 939,83 | LDSLV4 | 86458 | | | | | |
| 37.813 960,45 | 1.500 38,10 | 38.001 965,23 | LDSLV4 | 86973 | | | | | |
| 38.000 965,20 | 1.500 38,10 | 38.188 969,98 | LDSLV4 | 86840 | | | | | |
| 38.500 977,90 | 1.500 38,10 | 38.688 982,68 | LDSLV4 | 81753 | | | | | |
| 38.813 985,85 | 2.125 53,98 | 39.001 990,63 | LDSLV4 | 85123 | | | | | |
| 39.813 1011,25 | 2.125 53,98 | 40.001 1016,03 | LDSLV4 | 81826 | | | | | |
| 41.312 1049,32 | 1.968 49,99 | 41.500 1054,10 | LDSLV4 | 89948 | | | | | |
| 42.063 1068,40 | 2.125 53,98 | 42.251 1073,18 | LDSLV4 | 85038 | | | | | |
| 42.125 1069,98 | 2.125 53,98 | 42.313 1074,75 | LDSLV4 | 87054 | | | | | |
| 42.312 1074,72 | 1.250 31,75 | 42.500 1079,50 | LDSLV4 | 87379 | | | | | |

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We have hands-on experience in over forty industries, based on our employees' knowledge of real life conditions. In addition our world-leading experts and university partners who pioneer advanced theoretical research and development in areas including tribology, condition monitoring, asset management and bearing life theory. Our ongoing commitment to research and development helps us keep our customers at the forefront of their industries.

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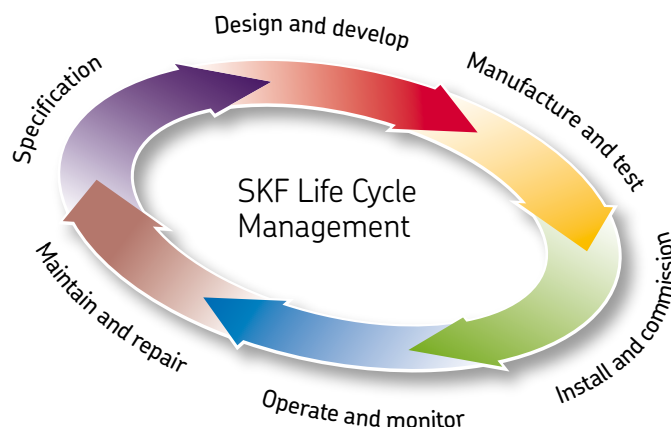


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Whether the application is linear or rotary or a combination of the two, SKF engineers can work with you at each stage of the asset life cycle to improve machine performance by looking at the entire application. This approach doesn't just focus on individual components like bearings or seals. It looks at the whole application to see how each component interacts with the next.

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