



# Bearing housings

|   |             |
|---|-------------|
| <b>SNL plummer block housings,<br/>2, 3, 5 and 6 series .....</b> | <b>1033</b> |
| <br>  |             |
| <b>Other bearing housings .....</b>                               | <b>1058</b> |
| Large SNL plummer block housings .....                            | 1058        |
| SONL plummer block housings .....                                 | 1059        |
| SDG plummer block housings .....                                  | 1060        |
| SAF pillow (plummer) block housings .....                         | 1061        |
| SDAF pillow (plummer) block housings.....                         | 1062        |
| SBD plummer block housings .....                                  | 1063        |
| TVN plummer block housings .....                                  | 1064        |
| TN plummer block housings .....                                   | 1065        |
| I-1200(00) flanged housings .....                                 | 1065        |
| 7225(00) flanged housings .....                                   | 1066        |
| THD take-up housings.....   | 1067        |



## Bearing housings

Bearing housings together with appropriate SKF bearings constitute economic, interchangeable bearing units that meet the demand for designs that are easy to maintain.

As a leading supplier of rolling bearings, SKF also produces bearing housings in a wide range of designs and sizes that are based on experience collected in all industrial areas. Among others, SKF bearing housings have the following advantages

- large assortment of design and sizes
- high quality of design and manufacture
- worldwide availability.

Plummer (pillow) block housings in the SNL 2, 3, 5 and 6 series are the most common housings and are shown in this catalogue with technical details. They have additional advantages

- short delivery times
- long term supply stability
- no minimum order quantities
- simplified ordering and stocking.

Other bearing housings in the SKF standard range, include

- split plummer (pillow) block housings
- one-piece plummer block housings
- flanged housings
- take-up housings.

They are only presented with their main design features. Publications with detailed information are noted and will be supplied on request.

The SKF manufacturing programme also includes special housings for particular applications, such as

- conveyors and drums
- roller beds and converters
- tube mills and rotary furnaces
- paper machines
- windmills
- pinions of open gears
- large electrical machines
- rudder post bearing arrangements
- ships' shafting support bearing arrangements.

For detailed information on these housings, please ask the SKF application engineering service and provide application details.

Besides bearing housings, SKF also supplies complete ready-to-mount bearing units, consisting of housing, bearing, and appropriate seals. These units are presented in the section "Bearing units" on **page 1115**.

# SNL plummer block housings, 2, 3, 5 and 6 series

|  |             |
|--|-------------|
| <b>Design features.....</b>  | <b>1034</b> |
| Building block system.....   | 1034        |
| Reinforced base .....  | 1034        |
| Attachment .....   | 1034        |
| Heat conduction .....  | 1034        |
| Relubrication facility.....  | 1034        |
| Caps and bases individually marked.....                            | 1035        |
| Mounting aid.....  | 1035        |
| Indications for holes to accommodate other components .....        | 1035        |
| <br>   |             |
| <b>Types of arrangement.....</b>                                   | <b>1035</b> |
| Bearings in the non-locating position.....                         | 1035        |
| Bearings in the locating position .....                            | 1035        |
| <br>   |             |
| <b>Seals.....</b>  | <b>1036</b> |
| <br>   |             |
| <b>Special design features.....</b>                                | <b>1036</b> |
| <br>   |             |
| <b>Housing data – general.....</b>                                 | <b>1037</b> |
| Dimensions.....  | 1037        |
| Tolerances.....  | 1037        |
| Materials .....  | 1037        |
| Corrosion protection.....  | 1037        |
| Load carrying ability.....   | 1037        |
| <br>   |             |
| <b>Lubrication.....</b>  | <b>1037</b> |
| <br>   |             |
| <b>How to order.....</b>   | <b>1037</b> |
| Example .....  | 1037        |
| <br>   |             |
| <b>Product tables .....</b>  | <b>1038</b> |
| SNL plummer block housings for bearings on adapter sleeve.....     | 1038        |
| SNL plummer block housings for bearings with cylindrical bore..... | 1048        |

## Design features

SNL plummer block housings (→ fig. 1) are the most popular of the wide range of SKF housings. Because of their versatility it is seldom necessary to resort to tailored housings for specific applications. The main design features are listed below. Further information on SNL plummer block housings can be obtained from

- the product brochure "SNL plummer block housings solve the housing problems"
- the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

### Building block system

The basis of the SNL plummer block housing system consists of a number of housings of the same design but in different sizes. By combining these housings with different standard seals (→ fig. 2) a wide variety of housing variants, all belonging to the standard range, can be supplied. SNL plummer blocks can accommodate shaft diameters ranging from 20 to 160 mm.

### Reinforced base

The housing base is reinforced with ribs and extra material surrounding the holes for the attachment bolts in order to improve seating on the base plate. The attachment bolts can be preloaded to give better location and do not deform the housing base or housing bore.

### Attachment

SNL housings have two attachment bolt holes in the base as standard. Housings of size 511-609 and larger are also available with four cast attachment bolt holes as standard, designated FSNL. These larger housings are also available without attachment bolt holes, but only made of ductile cast iron (blank base, designated SSNLD).

Also the smaller housings below size 511-609 can be used for four bolt mounting. Cast indications show where to drill the additional holes.

### Heat conduction

The extra ribs in the housing base provide additional surface area between the base and base plate to improve heat flow away from the bearing.

### Relubrication facility

The housing caps of SNL housings are equipped with two drilled and tapped holes for grease nipples, which are closed by metallic plugs. One grease nipple is supplied as standard.

Cast indications mark three additional grease nipple locations for relubrication of the bearing or the seals.

Fig. 1

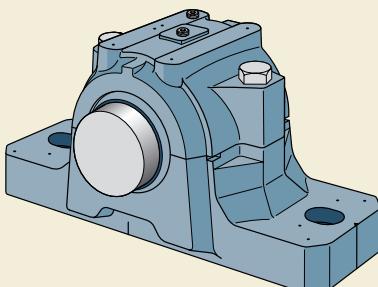
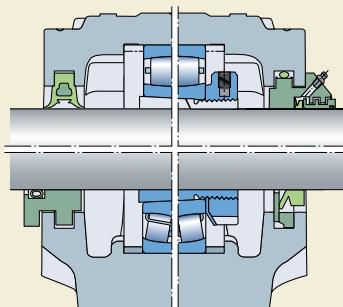


Fig. 2



## Caps and bases individually marked

The housing base and cap are matched during manufacture and are not interchangeable. To prevent mixing, the same consecutive number is marked on the cap and base of each individual housing.

## Mounting aid

To simplify mounting and make alignment more accurate, cast indications in the end faces of the housing base indicate the housing bore axis and the vertical axis.

## Indications for holes to accommodate other components

Cast indications mark the positions where holes can be drilled for dowel pins, sensors for condition monitoring, or additional grease nipples.

## Types of arrangement

Not only can different bearing types be incorporated in SNL plummer block housings, but they can also be arranged in different ways

- bearings with a tapered bore on an adapter sleeve on a smooth shaft (→ fig. 3) – SNL housings, 5 and 6 series (→ table starting on page 1038)
- bearings with a cylindrical bore on stepped shafts (→ fig. 4) – SNL housings, 2 and 3 series (→ table starting on page 1048).

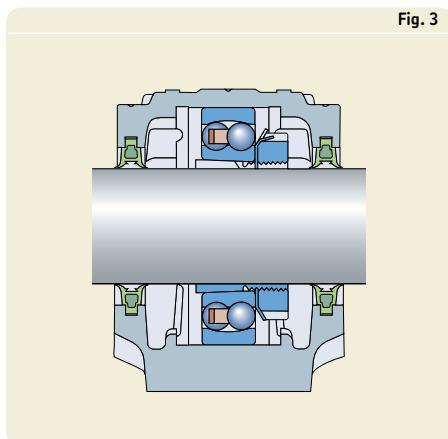


Fig. 3

## Bearings in the non-locating position

The bearing seatings in the housings are sufficiently wide to enable axial displacement of the bearing.

CARB bearings, which compensate axial displacement within the bearing, must always be secured in the housing bore with locating rings. In addition, please follow the recommendations in the section "Axial displacement" in the chapter "CARB toroidal roller bearings" (→ page 787).

## Bearings in the locating position

For bearings in the locating position two locating rings of the same width have to be inserted on each side of the bearing. This means, locating bearings are placed in the middle of the housing seating.

The locating rings are identified by the prefix FRB followed by the size (width/outer diameter) in millimetres uncoded, e.g. FRB 11.5/100. Appropriate locating rings are listed together with the bearings in the product tables.

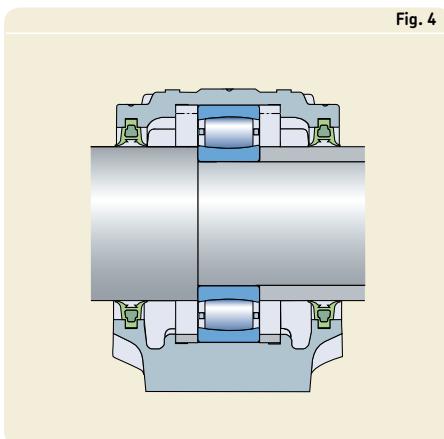


Fig. 4

## Seals

The following standard seals (→ **fig. 5**) are available for SNL plummer block housings

- double-lip seals TSN .. G design (**a**) for peripheral speeds up to 8 m/s and operating temperatures from -40 to +100 °C
- four-lip seals TSN .. L design (**b**) for peripheral speeds up to 13 m/s and operating temperatures from -40 to +100 °C
- V-ring seals TSN .. A design (**c**) for peripheral speeds up to 7 m/s, under special conditions up to 12 m/s and operating temperatures from -40 to +100 °C
- labyrinth seals TSN .. S design (**d**) for unlimited peripheral speeds and operating temperatures from -50 to +200 °C
- taconite heavy-duty seals with radial labyrinth TSN .. ND design (**e**) for peripheral speeds up to 12 m/s and operating temperatures from -40 to +100 °C.

All seals are fully interchangeable because no modifications to the housing are required.

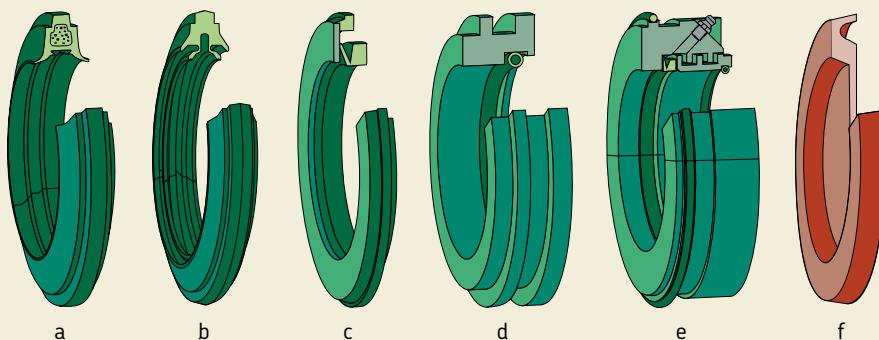
For housings mounted on the end of a shaft, end covers in the ASNH series are available (**f**).

## Special design features

On request SNL plummer block housings can be supplied with special design features deviating from the standard. The essential features are listed below. They are indicated by designation suffixes.

- V** Housing with grease escape hole
- T** Drilled and tapped hole 1/4-28 UNF on one side of the housing cap with grease nipple AH 1/4-28 SAE-LT for relubrication of seals
- TD** Drilled and tapped hole 1/4-28 UNF on both sides of the housing cap with two grease nipples AH 1/4-28 SAE-LT for relubrication of seals
- SN** Housing with drilled and tapped hole for sensor
- K7** Seating in the housing machined to tolerance K7

Fig. 5



# Housing data – general

## Dimensions

The boundary dimensions of an SNL plummer block housing conform to ISO 113:1999. The housings are dimensionally interchangeable with earlier SN, SNA, and SNH housings.

## Tolerances

The tolerance limits for the centre height  $H_1$  (of the housing bore above the support surface) are to  $js11$ . The bearing seating in the housing is machined to tolerance G7 as standard.

## Materials

SNL plummer block housings are made of grey cast iron. For applications where the strength of grey cast iron is inadequate, dimensionally equivalent housings made of spheroidal graphite cast iron can be supplied. These housings are only available with four cast attachment bolt holes (series FSNLD) or without any holes in the base (series SSNLD).

## Corrosion protection

SNL plummer block housings are painted as standard in accordance with ISO 12944-2: 1998, environmental Class C2. Black colour: RAL 9005. Blank surfaces are protected by a solventless rust inhibitor.

## Load carrying ability

SNL plummer block housings are intended for loads acting vertically towards the base plate (support). In this case, loads are limited only by the load limits of the bearing. If loads acting in other directions occur, check that the magnitude of the load is permissible for the housing, the bolts joining the housing cap and base, and for the attachment bolts.

# Lubrication

SNL plummer block housings with standard seals are designed for grease lubrication. For oil lubrication, modified SNL housings are available. These housings are supplied only together with the seals specially developed for oil lubrication.

## How to order

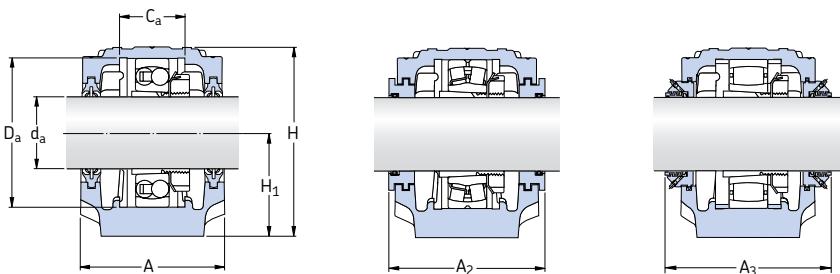
The housing, seals, end cover and locating rings must be ordered individually. Bearings and any necessary sleeves must also be ordered individually.

## Example

Two plummer block housings with four-lip seals are required for 22212 EK spherical roller bearings on H 312 adapter sleeves. One housing should be for the non-locating bearing position at the end of a shaft, and the other housing for the locating bearing position and a through shaft. The following items must be ordered

- 2 SNL 512-610 plummer block housings
- 2 TSN 512 L four-lip seal packs (each pack contains two seals)
- 1 ASNH 512-610 end cover
- 2 FRB 10/110 locating rings and
- 2 22212 EK bearings
- 2 H 312 sleeves

**SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  20 – 35 mm**

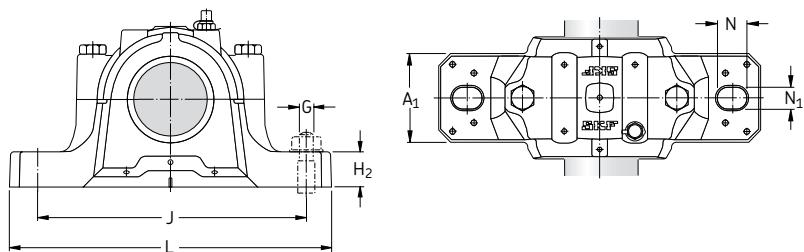


Four-lip seals  
L design

Labyrinth seals  
S design

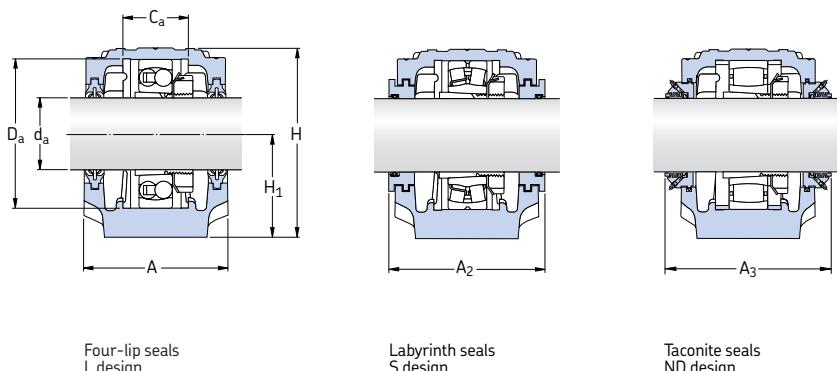
Taconite seals  
ND design

| Shaft<br>Dimensions | $d_a$ | A  | A <sub>1</sub> | H  | H <sub>1</sub> | H <sub>2</sub> | J   | L  | N  | N <sub>1</sub> | G   | Mass  | Designations   | Components<br>Housing<br>only                     | Seals  | End<br>cover |
|---------------------|-------|----|----------------|----|----------------|----------------|-----|----|----|----------------|---|---|--|---|--|--------------|
|                     |       |    |                |    |                |                |     |    |    |                |   | Housing<br>complete with<br>two seals                 |  |   |  |              |
|                     | mm    | mm |                |    |                |                |     |    |    |                |   | kg  | –  |   |  |              |
| 20                  | 67    | 46 | 74             | 40 | 19             | 130            | 20  | 15 | 12 | 1,45           | SNL 505 TG<br>SNL 505 TA<br>SNL 505 TS<br>SNL 505 TND | SNL 505<br>SNL 505<br>SNL 505<br>SNL 505              | TSN 505 G<br>TSN 505 A<br>TSN 505 S<br>TSN 505 ND        | ASNH 505<br>ASNH 505<br>ASNH 505<br>ASNH 505      |  |              |
|                     | 77    | 52 | 89             | 50 | 22             | 150            | 185 | 20 | 15 | 12             | 2,00  | SNL 605 TG<br>SNL 605 TA<br>SNL 605 TS<br>SNL 605 TND | SNL 506-605<br>SNL 506-605<br>SNL 506-605<br>SNL 506-605 | TSN 605 G<br>TSN 605 A<br>TSN 605 S<br>TSN 605 ND | ASNH 506-605<br>ASNH 506-605<br>ASNH 506-605<br>ASNH 506-605 |              |
| 25                  | 77    | 52 | 89             | 50 | 22             | 150            | 185 | 20 | 15 | 12             | 2,00  | SNL 506 TG<br>SNL 506 TA<br>SNL 506 TS<br>SNL 506 TND | SNL 506-605<br>SNL 506-605<br>SNL 506-605<br>SNL 506-605 | TSN 506 G<br>TSN 506 A<br>TSN 506 S<br>TSN 506 ND | ASNH 506-605<br>ASNH 506-605<br>ASNH 506-605<br>ASNH 506-605 |              |
|                     | 82    | 52 | 93             | 50 | 22             | 150            | 185 | 20 | 15 | 12             | 2,20  | SNL 606 TG<br>SNL 606 TA<br>SNL 606 TS<br>SNL 606 TND | SNL 507-606<br>SNL 507-606<br>SNL 507-606<br>SNL 507-606 | TSN 606 G<br>TSN 606 A<br>TSN 606 S<br>TSN 606 ND | ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606 |              |
| 30                  | 82    | 52 | 93             | 50 | 22             | 150            | 185 | 20 | 15 | 12             | 2,20  | SNL 507 TL<br>SNL 507 TA<br>SNL 507 TS<br>SNL 507 TND | SNL 507-606<br>SNL 507-606<br>SNL 507-606<br>SNL 507-606 | TSN 507 L<br>TSN 507 A<br>TSN 507 S<br>TSN 507 ND | ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606 |              |
|                     | 85    | 60 | 108            | 60 | 25             | 170            | 205 | 20 | 15 | 12             | 2,90  | SNL 607 TG<br>SNL 607 TA<br>SNL 607 TS<br>SNL 607 TND | SNL 508-607<br>SNL 508-607<br>SNL 508-607<br>SNL 508-607 | TSN 607 G<br>TSN 607 A<br>TSN 607 S<br>TSN 607 ND | ASNH 508-607<br>ASNH 508-607<br>ASNH 508-607<br>ASNH 508-607 |              |
| 35                  | 85    | 60 | 108            | 60 | 25             | 170            | 205 | 20 | 15 | 12             | 2,90  | SNL 508 TL<br>SNL 508 TA<br>SNL 508 TS<br>SNL 508 TND | SNL 508-607<br>SNL 508-607<br>SNL 508-607<br>SNL 508-607 | TSN 508 L<br>TSN 508 A<br>TSN 508 S<br>TSN 508 ND | ASNH 508-607<br>ASNH 508-607<br>ASNH 508-607<br>ASNH 508-607 |              |
|                     | 90    | 60 | 113            | 60 | 25             | 170            | 205 | 20 | 15 | 12             | 3,20  | SNL 608 TG<br>SNL 608 TA<br>SNL 608 TS<br>SNL 608 TND | SNL 510-608<br>SNL 510-608<br>SNL 510-608<br>SNL 510-608 | TSN 608 G<br>TSN 608 A<br>TSN 608 S<br>TSN 608 ND | ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608 |              |

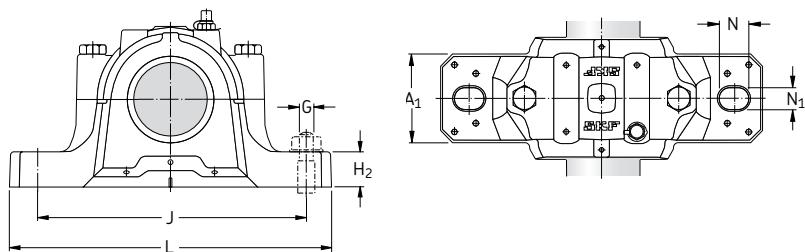


| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>C <sub>a</sub> | Width<br>across<br>seal<br>D <sub>a</sub> | Width<br>across<br>seal<br>A <sub>2</sub> | Width<br>across<br>seal<br>A <sub>3</sub> | Appropriate bearings and associated components |                |                              |                            |                                       |                |                              |    |    |
|-------------------------|--------------------------------------|---|---|---|--|----------------|------------------------------|----------------------------|---------------------------------------|----------------|------------------------------|----|----|
|                         |                                      |   |   |   | Self-aligning ball bearing                     | Adapter sleeve | Locating rings 2 per housing | Self-aligning ball bearing | Spherical roller bearing CARB bearing | Adapter sleeve | Locating rings 2 per housing |    |    |
| mm                      | mm                                   | mm  | mm  | mm  | mm   | mm             | mm                           | mm                         | mm                                    | mm             | mm                           | mm | mm |
| <b>20</b>               | 25                                   | 52  | 80  | 125                                       | <b>1205 EK</b>                                 | H 205          | FRB 5/52                     | <b>2205 EK</b>             |                                       | H 305          | FRB 3.5/52                   |    |    |
|                         |                                      |   |   |   | -  | -              | -                            | <b>22205 EK</b>            |                                       | H 305          | FRB 3.5/52                   |    |    |
| <b>25</b>               | 32                                   | 62  | 89  | 135                                       | <b>1305 EK</b>                                 | H 305          | FRB 7.5/62                   | <b>2305 EK</b>             |                                       | H 2305         | FRB 4/62                     |    |    |
|                         |                                      |   |   |   | -  | -              | -                            | -                          | -                                     | -              | -                            |    |    |
| <b>25</b>               | 32                                   | 62  | 89  | 135                                       | <b>1206 EK</b>                                 | H 206          | FRB 8/62                     | <b>2206 EK</b>             |                                       | H 306          | FRB 6/62                     |    |    |
|                         |                                      |   |   |   | -  | -              | -                            | <b>22206 EK</b>            |                                       | H 306          | FRB 6/62                     |    |    |
| <b>30</b>               | 34                                   | 72  | 94  | 140                                       | <b>1306 EK</b>                                 | H 306          | FRB 7.5/72                   | <b>2306 K</b>              |                                       | H 2306         | FRB 3.5/72                   |    |    |
|                         |                                      |   |   |   | <b>21306 CCK</b>                               | H 306          | FRB 7.5/72                   | -                          | -                                     | -              | -                            |    |    |
| <b>30</b>               | 34                                   | 72  | 94  | 145                                       | <b>1207 EK</b>                                 | H 207          | FRB 8.5/72                   | <b>2207 EK</b>             |                                       | H 307          | FRB 5.5/72                   |    |    |
|                         |                                      |   |   |   | -  | -              | -                            | <b>22207 EK</b>            |                                       | H 307          | FRB 5.5/72                   |    |    |
| <b>35</b>               | 39                                   | 80  | 97  | 145                                       | <b>1307 EK</b>                                 | H 307          | FRB 9/80                     | <b>2307 EK</b>             |                                       | H 2307         | FRB 4/80                     |    |    |
|                         |                                      |   |   |   | <b>21307 CCK</b>                               | H 307          | FRB 9/80                     | -                          | -                                     | -              | -                            |    |    |
| <b>35</b>               | 39                                   | 80  | 97  | 150                                       | <b>1208 EK</b>                                 | H 208          | FRB 10.5/80                  | <b>2208 EK</b>             |                                       | H 308          | FRB 8/80                     |    |    |
|                         |                                      |   |   |   | -  | -              | -                            | <b>22208 EK</b>            |                                       | H 308          | FRB 8/80                     |    |    |
| <b>41</b>               | 41                                   | 90  | 102                                       | 150                                       | <b>1308 EK</b>                                 | H 308          | FRB 9/90                     | <b>2308 EK</b>             |                                       | H 2308         | FRB 4/90                     |    |    |
|                         |                                      |   |   |   | <b>21308 CCK</b>                               | H 308          | FRB 9/90                     | <b>22308 EK</b>            |                                       | H 2308         | FRB 4/90                     |    |    |

**SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  40 – 55 mm**

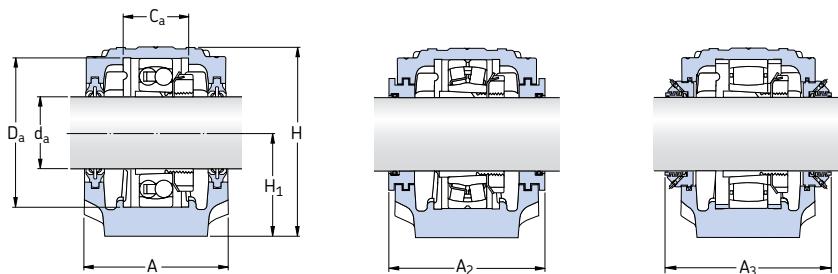


| Shaft<br>Dimensions | $d_a$ | A   | A <sub>1</sub> | H  | H <sub>1</sub> | H <sub>2</sub> | J   | L  | N  | N <sub>1</sub> | G          | Mass<br>kg  | Designations                          |                                      | Components<br>Housing<br>only | Seals | End<br>cover |
|---------------------|-------|-----|----------------|----|----------------|----------------|-----|----|----|----------------|------------|-------------|---------------------------------------|--------------------------------------|-------------------------------|-------|--------------|
|                     |       |     |                |    |                |                |     |    |    |                |            |             | Housing<br>complete with<br>two seals | Housing<br>complete with<br>one seal |                               |       |              |
|                     | mm    | mm  |                |    |                |                |     |    |    |                |            |             | kg                                    | –                                    |                               |       |              |
| 40                  | 85    | 60  | 109            | 60 | 25             | 170            | 205 | 20 | 15 | 12             | 2,90       | SNL 509 TL  | SNL 509                               | TSN 509 L                            | ASNH 509                      |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 509 TA  | SNL 509                               | TSN 509 A                            | ASNH 509                      |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 509 TS  | SNL 509                               | TSN 509 S                            | ASNH 509                      |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 509 TND | SNL 509                               | TSN 509 ND                           | ASNH 509                      |       |              |
| 95                  | 70    | 128 | 70             | 28 | 210            | 255            | 24  | 18 | 16 | 4,40           | SNL 609 TG | SNL 511-609 | TSN 609 G                             | ASNH 511-609                         |                               |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 609 TA  | SNL 511-609                           | TSN 609 A                            | ASNH 511-609                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 609 TS  | SNL 511-609                           | TSN 609 S                            | ASNH 511-609                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 609 TND | SNL 511-609                           | TSN 609 ND                           | ASNH 511-609                  |       |              |
| 45                  | 90    | 60  | 113            | 60 | 25             | 170            | 205 | 20 | 15 | 12             | 3,20       | SNL 510 TL  | SNL 510-608                           | TSN 510 L                            | ASNH 510-608                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 510 TA  | SNL 510-608                           | TSN 510 A                            | ASNH 510-608                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 510 TS  | SNL 510-608                           | TSN 510 S                            | ASNH 510-608                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 510 TND | SNL 510-608                           | TSN 510 ND                           | ASNH 510-608                  |       |              |
| 105                 | 70    | 134 | 70             | 30 | 210            | 255            | 24  | 18 | 16 | 5,10           | SNL 610 TG | SNL 512-610 | TSN 610 G                             | ASNH 512-610                         |                               |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 610 TA  | SNL 512-610                           | TSN 610 A                            | ASNH 512-610                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 610 TS  | SNL 512-610                           | TSN 610 S                            | ASNH 512-610                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 610 TND | SNL 512-610                           | TSN 610 ND                           | ASNH 512-610                  |       |              |
| 50                  | 95    | 70  | 128            | 70 | 28             | 210            | 255 | 24 | 18 | 16             | 4,40       | SNL 511 TL  | SNL 511-609                           | TSN 511 L                            | ASNH 511-609                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 511 TA  | SNL 511-609                           | TSN 511 A                            | ASNH 511-609                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 511 TS  | SNL 511-609                           | TSN 511 S                            | ASNH 511-609                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 511 TND | SNL 511-609                           | TSN 511 ND                           | ASNH 511-609                  |       |              |
| 110                 | 80    | 150 | 80             | 30 | 230            | 275            | 24  | 18 | 16 | 6,50           | SNL 611 TG | SNL 513-611 | TSN 611 G                             | ASNH 513-611                         |                               |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 611 TA  | SNL 513-611                           | TSN 611 A                            | ASNH 513-611                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 611 TS  | SNL 513-611                           | TSN 611 S                            | ASNH 513-611                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 611 TND | SNL 513-611                           | TSN 611 ND                           | ASNH 513-611                  |       |              |
| 55                  | 105   | 70  | 134            | 70 | 30             | 210            | 255 | 24 | 18 | 16             | 5,10       | SNL 512 TL  | SNL 512-610                           | TSN 512 L                            | ASNH 512-610                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 512 TA  | SNL 512-610                           | TSN 512 A                            | ASNH 512-610                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 512 TS  | SNL 512-610                           | TSN 512 S                            | ASNH 512-610                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 512 TND | SNL 512-610                           | TSN 512 ND                           | ASNH 512-610                  |       |              |
| 115                 | 80    | 156 | 80             | 30 | 230            | 280            | 24  | 18 | 16 | 7,00           | SNL 612 TG | SNL 515-612 | TSN 612 G                             | ASNH 515-612                         |                               |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 612 TA  | SNL 515-612                           | TSN 612 A                            | ASNH 515-612                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 612 TS  | SNL 515-612                           | TSN 612 S                            | ASNH 515-612                  |       |              |
|                     |       |     |                |    |                |                |     |    |    |                |            | SNL 612 TND | SNL 515-612                           | TSN 612 ND                           | ASNH 515-612                  |       |              |



| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>C <sub>a</sub> | Width<br>across<br>seal<br>D <sub>a</sub> | Width<br>across<br>seal<br>A <sub>2</sub> | Width<br>across<br>seal<br>A <sub>3</sub> | Appropriate bearings and associated components |                   |                                 |  |                             |                   |                                 |   |
|-------------------------|--------------------------------------|---|---|---|--|-------------------|---------------------------------|--|-----------------------------|-------------------|---------------------------------|---|
|                         |                                      |   |   |   | Self-aligning<br>ball bearing                  | Adapter<br>sleeve | Locating rings<br>2 per housing | Self-aligning ball bearing                           | Spherical roller<br>bearing | Adapter<br>sleeve | Locating rings<br>2 per housing |   |
| mm                      | mm                                   | mm  | mm  | mm  | –  | –                 | –                               | –  | –                           | –                 | –                               | – |
| <b>40</b>               | 30                                   | 85  | 97  | 150                                       | <b>1209 EK</b><br>–                            | H 209             | FRB 5.5/85                      | <b>2209 EK</b><br><b>22209 EK</b><br><b>C 2209 K</b> |                             | H 309             | FRB 3.5/85                      |   |
|                         |                                      |   |   |   |  | –                 | –                               | H 309  | FRB 3.5/85                  | H 309 E           | FRB 3.5/85                      |   |
| <b>44</b>               | 100                                  | 107                                       | 155                                       |   | <b>1309 EK</b><br><b>21309 EK</b>              | H 309<br>H 309    | FRB 9.5/100<br>FRB 9.5/100      | <b>2309 EK</b><br><b>22309 EK</b><br>–               |                             | H 2309            | FRB 4/100                       |   |
|                         |                                      |   |   |   |  |                   |                                 | H 2309   | FRB 4/100                   | –                 | –                               |   |
| <b>45</b>               | 41                                   | 90  | 102                                       | 155                                       | <b>1210 EK</b><br>–                            | H 210             | FRB 10.5/90                     | <b>2210 EK</b><br><b>22210 EK</b><br><b>C 2210 K</b> |                             | H 310             | FRB 9/90                        |   |
|                         |                                      |   |   |   |  | –                 | –                               | H 310  | FRB 9/90                    | H 310 E           | FRB 9/90                        |   |
| <b>48</b>               | 110                                  | 117                                       | 165                                       |   | <b>1310 EK</b><br><b>21310 EK</b>              | H 310<br>H 310    | FRB 10.5/110<br>FRB 10.5/110    | <b>2310 K</b><br><b>22310 EK</b><br>–                |                             | H 2310            | FRB 4/110                       |   |
|                         |                                      |   |   |   |  |                   |                                 | H 2310   | FRB 4/110                   | –                 | –                               |   |
| <b>50</b>               | 44                                   | 100                                       | 107                                       | 165                                       | <b>1211 EK</b><br>–                            | H 211             | FRB 11.5/100                    | <b>2211 EK</b><br><b>22211 EK</b><br><b>C 2211 K</b> |                             | H 311             | FRB 9.5/100                     |   |
|                         |                                      |   |   |   |  | –                 | –                               | H 311  | FRB 9.5/100                 | H 311 E           | FRB 9.5/100                     |   |
| <b>51</b>               | 120                                  | 122                                       | 170                                       |   | <b>1311 EK</b><br><b>21311 EK</b>              | H 311<br>H 311    | FRB 11/120<br>FRB 11/120        | <b>2311 K</b><br><b>22311 EK</b><br>–                |                             | H 2311            | FRB 4/120                       |   |
|                         |                                      |   |   |   |  |                   |                                 | H 2311   | FRB 4/120                   | –                 | –                               |   |
| <b>55</b>               | 48                                   | 110                                       | 117                                       | 175                                       | <b>1212 EK</b><br>–                            | H 212             | FRB 13/110                      | <b>2212 EK</b><br><b>22212 EK</b><br><b>C 2212 K</b> |                             | H 312             | FRB 10/110                      |   |
|                         |                                      |   |   |   |  | –                 | –                               | H 312  | FRB 10/110                  | H 312 E           | FRB 10/110                      |   |
| <b>56</b>               | 130                                  | 127                                       | 175                                       |   | <b>1312 EK</b><br><b>21312 EK</b>              | H 312             | FRB 12.5/130<br>FRB 12.5/130    | <b>2312 K</b><br><b>22312 EK</b><br>–                |                             | H 2312            | FRB 5/130                       |   |
|                         |                                      |   |   |   |  |                   |                                 | H 2312   | FRB 5/130                   | –                 | –                               |   |

**SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 60 – 75 mm**

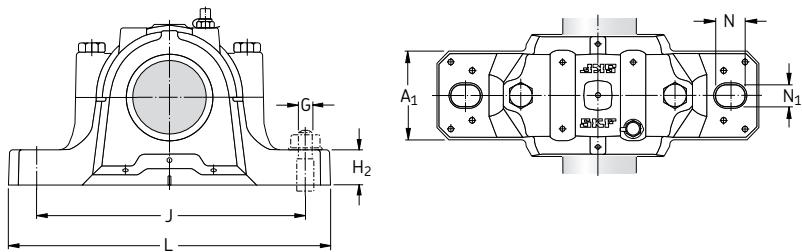


Four-lip seals  
L design

Labyrinth seals  
S design

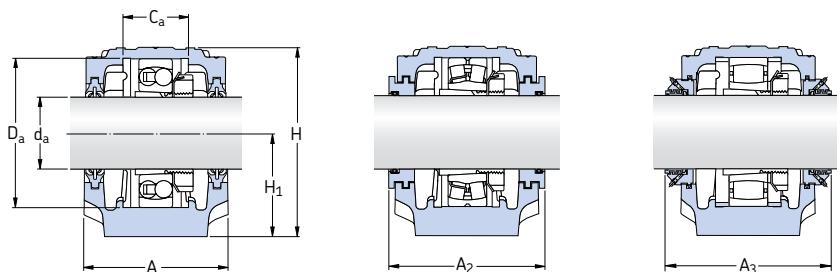
Taconite seals  
ND design

| Shaft<br>Dimensions | Housing<br>Dimensions                    | Mass | Designations  | Components   |   | Seals  | End<br>cover |                |                |   |   |   |                |   |                                       |                 |  |  |
|---------------------|--|------|---|--|---|--|--------------|----------------|----------------|---|---|---|----------------|---|---------------------------------------|-----------------|--|--|
|                     |  |      |   | d <sub>a</sub>   | A   | A <sub>1</sub>   | H            | H <sub>1</sub> | H <sub>2</sub> | J | L | N | N <sub>1</sub> | G | Housing<br>complete with<br>two seals | Housing<br>only |  |  |
| mm                  | mm                                       | kg   | –   |  |   |  |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 60                  | 110 80 150 80 30 230 275 24 18 16        | 6,50 | SNL 513 TL<br>SNL 513 TA<br>SNL 513 TS<br>SNL 513 TND | SNL 513-611<br>SNL 513-611<br>SNL 513-611<br>SNL 513-611 | TSN 513 L<br>TSN 513 S<br>TSN 513 S<br>TSN 513 ND | ASNH 513-611<br>ASNH 513-611<br>ASNH 513-611<br>ASNH 513-611 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
|                     | 120 90 177 95 32 260 315 28 22 20 9,50   |      | SNL 613 TG<br>SNL 613 TA<br>SNL 613 TS<br>SNL 613 TND | SNL 613-613<br>SNL 613-613<br>SNL 613-613<br>SNL 613-613 | TSN 613 G<br>TSN 613 A<br>TSN 613 S<br>TSN 613 ND | ASNH 516-613<br>ASNH 516-613<br>ASNH 516-613<br>ASNH 516-613 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 65                  | 115 80 156 80 30 230 280 24 18 16        | 7,00 | SNL 515 TL<br>SNL 515 TA<br>SNL 515 TS<br>SNL 515 TND | SNL 515-612<br>SNL 515-612<br>SNL 515-612<br>SNL 515-612 | TSN 515 L<br>TSN 515 A<br>TSN 515 S<br>TSN 515 ND | ASNH 515-612<br>ASNH 515-612<br>ASNH 515-612<br>ASNH 515-612 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
|                     | 140 100 194 100 35 290 345 28 22 20 12,5 |      | SNL 615 TG<br>SNL 615 TA<br>SNL 615 TS<br>SNL 615 TND | SNL 615-615<br>SNL 615-615<br>SNL 615-615<br>SNL 615-615 | TSN 615 G<br>TSN 615 A<br>TSN 615 S<br>TSN 615 ND | ASNH 518-615<br>ASNH 518-615<br>ASNH 518-615<br>ASNH 518-615 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 70                  | 120 90 177 95 32 260 315 28 22 20 9,50   |      | SNL 516 TL<br>SNL 516 TA<br>SNL 516 TS<br>SNL 516 TND | SNL 516-613<br>SNL 516-613<br>SNL 516-613<br>SNL 516-613 | TSN 516 L<br>TSN 516 A<br>TSN 516 S<br>TSN 516 ND | ASNH 516-613<br>ASNH 516-613<br>ASNH 516-613<br>ASNH 516-613 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
|                     | 145 100 212 112 35 290 345 28 22 20 13,7 |      | SNL 616 TG<br>SNL 616 TA<br>SNL 616 TS<br>SNL 616 TND | SNL 616-616<br>SNL 616-616<br>SNL 616-616<br>SNL 616-616 | TSN 616 G<br>TSN 616 A<br>TSN 616 S<br>TSN 616 ND | ASNH 519-616<br>ASNH 519-616<br>ASNH 519-616<br>ASNH 519-616 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 75                  | 125 90 183 95 32 260 320 28 22 20 10,0   |      | SNL 517 TL<br>SNL 517 TA<br>SNL 517 TS<br>SNL 517 TND | SNL 517<br>SNL 517<br>SNL 517<br>SNL 517                 | TSN 517 L<br>TSN 517 A<br>TSN 517 S<br>TSN 517 ND | ASNH 517<br>ASNH 517<br>ASNH 517<br>ASNH 517                 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
|                     | 160 110 218 112 40 320 380 32 26 24 17,6 |      | SNL 617 TG<br>SNL 617 TA<br>SNL 617 TS<br>SNL 617 TND | SNL 617-617<br>SNL 617-617<br>SNL 617-617<br>SNL 617-617 | TSN 617 G<br>TSN 617 A<br>TSN 617 S<br>TSN 617 ND | ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617 |              |                |                |   |   |   |                |   |                                       |                 |  |  |



| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>C <sub>a</sub> | Width<br>across<br>seal<br>D <sub>a</sub> | Width<br>across<br>seal<br>A <sub>2</sub> | Width<br>across<br>seal<br>A <sub>3</sub> | Appropriate bearings and associated components |                |                              |                                 |                                       |                            |  |   |
|-------------------------|--------------------------------------|---|---|---|--|----------------|------------------------------|---------------------------------|---------------------------------------|----------------------------|--|---|
|                         |                                      |   |   |   | Self-aligning ball bearing                     | Adapter sleeve | Locating rings 2 per housing | Self-aligning ball bearing      | Spherical roller bearing CARB bearing | Adapter sleeve             | Locating rings 2 per housing                 |   |
| mm                      | mm                                   | mm  | mm  | mm  | –  | –              | –                            | –                               | –                                     | –                          | –  | – |
| 60                      | 51                                   | 120                                       | 122                                       | 180                                       | 1213 EK<br>–                                   | H 213<br>–     | FRB 14/120<br>–              | 2213 EK<br>2223 EK<br>C 2213 K  |                                       | H 313<br>H 313<br>H 313 E  | FRB 10/120<br>FRB 10/120<br>FRB 10/120       |   |
|                         | 58                                   | 140                                       | 138                                       | 180                                       | 1313 EK<br>21313 EK                            | H 313<br>H 313 | FRB 12.5/140<br>FRB 12.5/140 | 2313 K<br>22313 EK<br>–         |                                       | H 2313<br>H 2313<br>–      | FRB 5/140<br>FRB 5/140<br>–                  |   |
| 65                      | 56                                   | 130                                       | 127                                       | 175                                       | 1215 K<br>–                                    | H 215<br>–     | FRB 15.5/130<br>–            | 2215 EK<br>2225 EK<br>C 2215 K  |                                       | H 315<br>H 315<br>H 315 E  | FRB 12.5/130<br>FRB 12.5/130<br>FRB 12.5/130 |   |
|                         | 65                                   | 160                                       | 158                                       | 200                                       | 1315 K<br>21315 EK                             | H 315<br>H 315 | FRB 14/160<br>FRB 14/160     | 2315 K<br>22315 EK<br>C 2315 K  |                                       | H 2315<br>H 2315<br>H 2315 | FRB 5/160<br>FRB 5/160<br>FRB 5/160          |   |
| 70                      | 58                                   | 140                                       | 138                                       | 205                                       | 1216 K<br>–                                    | H 216<br>–     | FRB 16/140<br>–              | 2216 EK<br>22216 EK<br>C 2216 K |                                       | H 316<br>H 316<br>H 316 E  | FRB 12.5/140<br>FRB 12.5/140<br>FRB 12.5/140 |   |
|                         | 68                                   | 170                                       | 163                                       | 205                                       | 1316 K<br>21316 EK                             | H 316<br>H 316 | FRB 14.5/170<br>FRB 14.5/170 | 2316 K<br>22316 EK<br>C 2316 K  |                                       | H 2316<br>H 2316<br>H 2316 | FRB 5/170<br>FRB 5/170<br>FRB 5/170          |   |
| 75                      | 61                                   | 150                                       | 143                                       | 210                                       | 1217 K<br>–                                    | H 217<br>–     | FRB 16.5/150<br>–            | 2217 K<br>22217 EK<br>C 2217 K  |                                       | H 317<br>H 317<br>H 317 E  | FRB 12.5/150<br>FRB 12.5/150<br>FRB 12.5/150 |   |
|                         | 70                                   | 180                                       | 178                                       | 220                                       | 1317 K<br>21317 EK                             | H 317<br>H 317 | FRB 14.5/180<br>FRB 14.5/180 | 2317 K<br>22317 EK<br>C 2317 K  |                                       | H 2317<br>H 2317<br>H 2317 | FRB 5/180<br>FRB 5/180<br>FRB 5/180          |   |

**SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  80 – 115 mm**

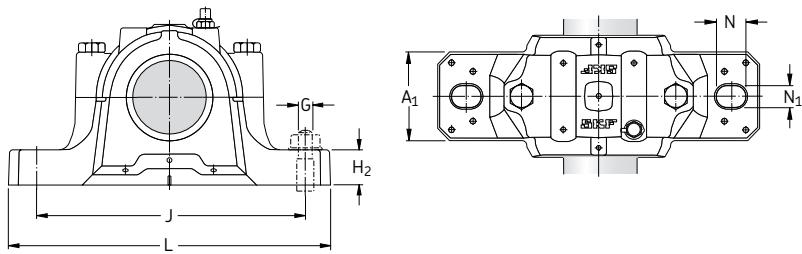


Four-lip seals  
L design

Labyrinth seals  
S design

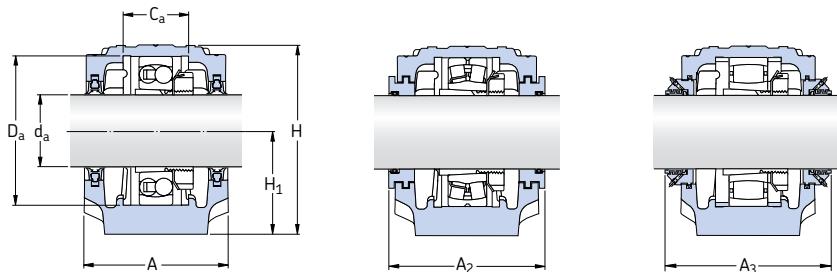
Taconite seals  
ND design

| Shaft<br>Dimensions | Housing<br>Dimensions               | Mass | Designations  | Components   |   | Seals  | End<br>cover |                |                |   |   |   |                |   |                                       |                 |  |  |
|---------------------|-------------------------------------|------|---|--|---|--|--------------|----------------|----------------|---|---|---|----------------|---|---------------------------------------|-----------------|--|--|
|                     |                                     |      |   | $d_a$  | A   | A <sub>1</sub>   | H            | H <sub>1</sub> | H <sub>2</sub> | J | L | N | N <sub>1</sub> | G | Housing<br>complete with<br>two seals | Housing<br>only |  |  |
| mm                  | mm                                  | kg   | –   |  |   |  |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 80                  | 140 100 194 100 35 290 345 28 22 20 | 12,5 | SNL 518 TL<br>SNL 518 TA<br>SNL 518 TS<br>SNL 518 TND | SNL 518-615<br>SNL 518-615<br>SNL 518-615<br>SNL 518-615 | TSN 518 L<br>TSN 518 A<br>TSN 518 S<br>TSN 518 ND | ASNH 518-615<br>ASNH 518-615<br>ASNH 518-615<br>ASNH 518-615 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 85                  | 145 100 212 112 35 290 345 28 22 20 | 13,7 | SNL 519 TL<br>SNL 519 TA<br>SNL 519 TS<br>SNL 519 TND | SNL 519-616<br>SNL 519-616<br>SNL 519-616<br>SNL 519-616 | TSN 519 L<br>TSN 519 A<br>TSN 519 S<br>TSN 519 ND | ASNH 519-616<br>ASNH 519-616<br>ASNH 519-616<br>ASNH 519-616 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
|                     | 175 120 242 125 45 350 410 32 26 24 | 22,0 | SNL 619 TG<br>SNL 619 TA<br>SNL 619 TS<br>SNL 619 TND | SNL 522-619<br>SNL 522-619<br>SNL 522-619<br>SNL 522-619 | TSN 619 G<br>TSN 619 A<br>TSN 619 S<br>TSN 619 ND | ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 90                  | 160 110 218 112 40 320 380 32 26 24 | 17,6 | SNL 520 TL<br>SNL 520 TA<br>SNL 520 TS<br>SNL 520 TND | SNL 520-617<br>SNL 520-617<br>SNL 520-617<br>SNL 520-617 | TSN 520 L<br>TSN 520 A<br>TSN 520 S<br>TSN 520 ND | ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
|                     | 185 120 271 140 45 350 410 32 26 24 | 26,2 | SNL 620 TG<br>SNL 620 TA<br>SNL 620 TS<br>SNL 620 TND | SNL 524-620<br>SNL 524-620<br>SNL 524-620<br>SNL 524-620 | TSN 620 G<br>TSN 620 A<br>TSN 620 S<br>TSN 620 ND | ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 100                 | 175 120 242 125 45 350 410 32 26 24 | 22,0 | SNL 522 TL<br>SNL 522 TA<br>SNL 522 TS<br>SNL 522 TND | SNL 522-619<br>SNL 522-619<br>SNL 522-619<br>SNL 522-619 | TSN 522 L<br>TSN 522 A<br>TSN 522 S<br>TSN 522 ND | ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 110                 | 185 120 271 140 45 350 410 32 26 24 | 26,2 | SNL 524 TG<br>SNL 524 TA<br>SNL 524 TS<br>SNL 524 TND | SNL 524-620<br>SNL 524-620<br>SNL 524-620<br>SNL 524-620 | TSN 524 G<br>TSN 524 A<br>TSN 524 S<br>TSN 524 ND | ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620 |              |                |                |   |   |   |                |   |                                       |                 |  |  |
| 115                 | 190 130 290 150 50 380 445 35 28 24 | 33,0 | SNL 526 TG<br>SNL 526 TA<br>SNL 526 TS<br>SNL 526 TND | SNL 526<br>SNL 526<br>SNL 526<br>SNL 526                 | TSN 526 G<br>TSN 526 A<br>TSN 526 S<br>TSN 526 ND | ASNH 526<br>ASNH 526<br>ASNH 526<br>ASNH 526                 |              |                |                |   |   |   |                |   |                                       |                 |  |  |



| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>C <sub>a</sub> | Width<br>across<br>seal<br>D <sub>a</sub> | Width<br>across<br>seal<br>A <sub>2</sub> | Width<br>across<br>seal<br>A <sub>3</sub> | Appropriate bearings and associated components   |                                  |   |   |  |  |   |   |
|-------------------------|--------------------------------------|---|---|---|--|----------------------------------|---|---|--|--|---|---|
|                         |                                      |   |   |   | Self-aligning ball bearing<br>2218 K<br>22218 EK | Adapter sleeve<br>H 218<br>H 318 | Locating rings<br>2 per housing<br>FRB 17.5/160<br>FRB 12.5/160 | Self-aligning ball bearing<br>2218 K<br>23218 CCK/W33<br>C 2218 K | Adapter sleeve<br>H 318<br>H 2318<br>H 318 E | Locating rings<br>2 per housing<br>FRB 12.5/160<br>FRB 6.25/16<br>FRB 12.5/160 | – | – |
| mm                      | mm                                   | mm  | mm  | mm  | –  | –                                | –   | –   | –  | –  | – | – |
| 80                      | 65                                   | 160                                       | 158                                       | 225                                       | 1218 K<br>22218 EK                               | H 218<br>H 318                   | FRB 17.5/160<br>FRB 12.5/160                                    | 2218 K<br>23218 CCK/W33<br>C 2218 K                               | H 318<br>H 2318<br>H 318 E                   | FRB 12.5/160<br>FRB 6.25/16<br>FRB 12.5/160                                    | – | – |
| 85                      | 68                                   | 170                                       | 163                                       | 220                                       | 1219 K<br>–                                      | H 219<br>–                       | FRB 18/170<br>–   | 2219 K<br>22219 EK<br>–   | H 319<br>H 319<br>–                          | FRB 12.5/170<br>FRB 12.5/170<br>–  | – | – |
|                         | 80                                   | 200                                       | 191                                       | 235                                       | 1319 K<br>21319 EK                               | H 319<br>H 319                   | FRB 17.5/200<br>FRB 17.5/200                                    | 2319 K<br>22319 EK<br>–   | H 2319<br>H 2319<br>–                        | FRB 6.5/200<br>FRB 6.5/200<br>–  | – | – |
| 90                      | 70                                   | 180                                       | 178                                       | 230                                       | 1220 K<br>22220 EK                               | H 220<br>H 320                   | FRB 18/180<br>FRB 12/180  | 2220 K<br>23220 CCK/W33<br>C 2220 K                               | H 320<br>H 2320<br>H 320 E                   | FRB 12/180<br>FRB 4.85/180<br>FRB 12/180                                       | – | – |
|                         | 86                                   | 215                                       | 199                                       | 240                                       | 1320 K<br>21320 EK                               | H 320<br>H 320                   | FRB 19.5/215<br>FRB 19.5/215                                    | 2320 K<br>22320 EK<br>C 2320 K                                    | H 2320<br>H 2320<br>H 2320                   | FRB 6.5/215<br>FRB 6.5/215<br>FRB 6.5/215                                      | – | – |
| 100                     | 80                                   | 200                                       | 191                                       | 250                                       | 1222 K<br>22222 EK                               | H 222<br>H 322                   | FRB 21/200<br>FRB 13.5/200                                      | 2222 K<br>23222 CCK/W33<br>C 2222 K                               | H 322<br>H 2322<br>H 322 E                   | FRB 13.5/200<br>FRB 5.1/200<br>FRB 13.5/200                                    | – | – |
| 110                     | 86                                   | 215                                       | 199                                       | 260                                       | 1224 K<br>22224 EK                               | H 3024<br>H 3124                 | FRB 22/215<br>FRB 14/215  | –<br>23224 CCK/W33<br>C 3224 K                                    | –<br>H 2324<br>H 2324 L                      | –<br>FRB 5/215<br>FRB 5/215  | – | – |
| 115                     | 90                                   | 230                                       | 208                                       | 265                                       | –<br>22226 EK                                    | –<br>H 3126                      | –<br>FRB 13/230   | –<br>23226 CCK/W33<br>C 2226 K                                    | –<br>H 2326<br>H 3126 L                      | –<br>FRB 5/230<br>FRB 13/230   | – | – |

**SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  125 – 140 mm**

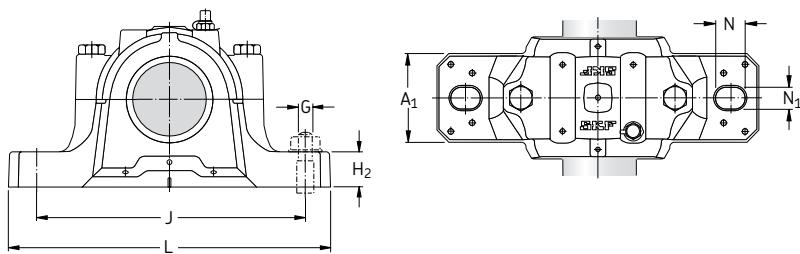


Double-lip seals  
G design

Labyrinth seals  
S design

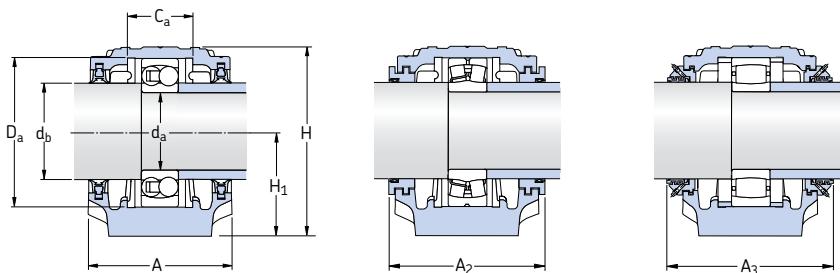
Taconite seals  
ND design

| Shaft<br>Dimensions | $d_a$ | A   | A <sub>1</sub> | H   | H <sub>1</sub> | H <sub>2</sub> | J   | L  | N  | N <sub>1</sub> | G    | Mass<br>kg  | Designations                             |   |  | Components<br>Housing<br>only | Seals | End<br>cover |
|---------------------|-------|-----|----------------|-----|----------------|----------------|-----|----|----|----------------|------|---|--|---|--|-------------------------------|-------|--------------|
|                     |       |     |                |     |                |                |     |    |    |                |      |   | Housing<br>complete with<br>two seals    |   |  |                               |       |              |
|                     | mm    | mm  |                |     |                |                |     |    |    |                |      | –   |  |   |  |                               |       |              |
| 125                 | 205   | 150 | 302            | 150 | 50             | 420            | 500 | 42 | 35 | 30             | 40,0 | SNL 528 TG<br>SNL 528 TA<br>SNL 528 TS<br>SNL 528 TND | SNL 528<br>SNL 528<br>SNL 528<br>SNL 528 | TSN 528 G<br>TSN 528 A<br>TSN 528 S<br>TSN 528 ND | ASNH 528<br>ASNH 528<br>ASNH 528<br>ASNH 528 |                               |       |              |
| 135                 | 220   | 160 | 323            | 160 | 60             | 450            | 530 | 42 | 35 | 30             | 49,0 | SNL 530 TG<br>SNL 530 TA<br>SNL 530 TS<br>SNL 530 TND | SNL 530<br>SNL 530<br>SNL 530<br>SNL 530 | TSN 530 G<br>TSN 530 A<br>TSN 530 S<br>TSN 530 ND | ASNH 530<br>ASNH 530<br>ASNH 530<br>ASNH 530 |                               |       |              |
| 140                 | 235   | 160 | 344            | 170 | 60             | 470            | 550 | 42 | 35 | 30             | 55,0 | SNL 532 TG<br>SNL 532 TA<br>SNL 532 TS<br>SNL 532 TND | SNL 532<br>SNL 532<br>SNL 532<br>SNL 532 | TSN 532 G<br>TSN 532 A<br>TSN 532 S<br>TSN 532 ND | ASNH 532<br>ASNH 532<br>ASNH 532<br>ASNH 532 |                               |       |              |



| Shaft | Bearing seating | Width across seal | Appropriate bearings and associated components |                |                              |                                       |                |                              |          |              |
|-------|-----------------|-------------------|--|----------------|------------------------------|---------------------------------------|----------------|------------------------------|----------|--------------|
| $d_a$ | $C_a$           | $D_a$             | Spherical roller bearing                       | Adapter sleeve | Locating rings 2 per housing | Spherical roller bearing CARB bearing | Adapter sleeve | Locating rings 2 per housing |          |              |
| mm    | mm              | mm                | -  |                |                              |                                       |                |                              |          |              |
| 125   | 98              | 250               | 223  | 285            | 22228 CCK/W33                | H 3128                                | FRB 15/250     | 23228 CCK/W33<br>C 2228 K    | H 2328   | FRB 5/250    |
|       |                 |                   |  |                |                              |                                       |                |                              | H 3128 L | FRB 15/250   |
| 135   | 106             | 270               | 241  | 295            | 22230 CCK/W33                | H 3130                                | FRB 16.5/270   | 23230 CCK/W33<br>C 2230 K    | H 2330   | FRB 5/270    |
|       |                 |                   |  |                |                              |                                       |                |                              | H 3130 L | FRB 16.5/270 |
| 140   | 114             | 290               | 254  | 315            | 22232 CCK/W33                | H 3132                                | FRB 17/290     | 23232 CCK/W33<br>C 3232 K    | H 2332   | FRB 5/290    |
|       |                 |                   |  |                |                              |                                       |                |                              | H 2332 L | FRB 5/290    |

**SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  25 – 40 mm**

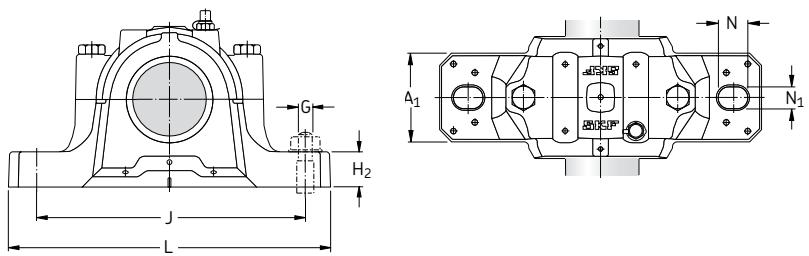


Double-lip seals  
G design

Labyrinth seals  
S design

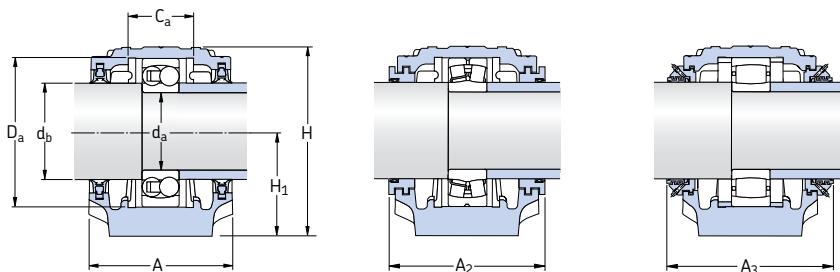
Taconite seals  
ND design

| Shaft<br>Dimensions | Housing<br>Dimensions  | Mass     | Designations  |  | Components<br>Housing<br>only                     | Seals  | End cover |
|---------------------|--|----------|---|--|---|--|-----------|
|                     |  |          | Housing<br>complete with<br>two seals                 | Housing<br>only  |   |  |           |
| $d_a$               | A    A <sub>1</sub> H    H <sub>1</sub> H <sub>2</sub> J    L    N    N <sub>1</sub> G | mm    mm | kg  | –  |   |  |           |
| 25                  | 67 46 74 40 19 130 165 20 15 12 1,40   |          | SNL 205 TG<br>SNL 205 TS<br>SNL 205 TND               | SNL 205<br>SNL 205<br>SNL 205                            | TSN 205 G<br>TSN 205 S<br>TSN 205 ND              | ASNH 506-605<br>ASNH 506-605<br>ASNH 506-605                 |           |
|                     | 77 52 89 50 22 150 185 20 15 12 1,90   |          | SNL 305 TG<br>SNL 305 TA<br>SNL 305 TS<br>SNL 305 TND | SNL 206-305<br>SNL 206-305<br>SNL 206-305<br>SNL 206-305 | TSN 305 G<br>TSN 305 A<br>TSN 305 S<br>TSN 305 ND | ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606 |           |
| 30                  | 77 52 89 50 22 150 185 20 15 12 1,90   |          | SNL 206 TG<br>SNL 206 TA<br>SNL 206 TS<br>SNL 206 TND | SNL 206-305<br>SNL 206-305<br>SNL 206-305<br>SNL 206-305 | TSN 206 G<br>TSN 206 A<br>TSN 206 S<br>TSN 206 ND | ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606 |           |
|                     | 82 52 93 50 22 150 185 20 15 12 2,20   |          | SNL 306 TG<br>SNL 306 TA<br>SNL 306 TS<br>SNL 306 TND | SNL 507-606<br>SNL 507-606<br>SNL 507-606<br>SNL 507-606 | TSN 306 G<br>TSN 306 A<br>TSN 306 S<br>TSN 306 ND | ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606<br>ASNH 507-606 |           |
| 35                  | 82 52 93 50 22 150 185 20 15 12 2,10   |          | SNL 207 TG<br>SNL 207 TA<br>SNL 207 TS<br>SNL 207 TND | SNL 207<br>SNL 207<br>SNL 207<br>SNL 207                 | TSN 207 G<br>TSN 207 A<br>TSN 207 S<br>TSN 207 ND | ASNH 509<br>ASNH 509<br>ASNH 509<br>ASNH 509                 |           |
|                     | 85 60 108 60 25 170 205 20 15 12 2,75  |          | SNL 307 TG<br>SNL 307 TA<br>SNL 307 TS<br>SNL 307 TND | SNL 208-307<br>SNL 208-307<br>SNL 208-307<br>SNL 208-307 | TSN 307 G<br>TSN 307 A<br>TSN 307 S<br>TSN 307 ND | ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608 |           |
| 40                  | 85 60 108 60 25 170 205 20 15 12 2,75  |          | SNL 208 TG<br>SNL 208 TA<br>SNL 208 TS<br>SNL 208 TND | SNL 208-307<br>SNL 208-307<br>SNL 208-307<br>SNL 208-307 | TSN 208 G<br>TSN 208 A<br>TSN 208 S<br>TSN 208 ND | ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608 |           |
|                     | 90 60 113 60 25 170 205 20 15 12 3,20  |          | SNL 308 TG<br>SNL 308 TA<br>SNL 308 TS<br>SNL 308 TND | SNL 510-608<br>SNL 510-608<br>SNL 510-608<br>SNL 510-608 | TSN 308 G<br>TSN 308 A<br>TSN 308 S<br>TSN 308 ND | ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608<br>ASNH 510-608 |           |



| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>d <sub>b</sub> | Width<br>across<br>seal |                | Appropriate bearings and locating rings |                | Locating rings<br>2 per housing  | Locating rings<br>2 per housing |  |              |            |            |
|-------------------------|--------------------------------------|-------------------------|----------------|---|----------------|----------------------------------|---------------------------------|--|--------------|------------|------------|
|                         |                                      | C <sub>a</sub>          | D <sub>a</sub> | A <sub>2</sub>                          | A <sub>3</sub> | Self-aligning<br>ball bearing    | Spherical<br>roller bearing     | Spherical roller bearing                         | CARB bearing |            |            |
| mm                      | mm                                   | mm                      | mm             | mm                                      | mm             | mm                               | mm                              | mm   | mm           | mm         | mm         |
| <b>25</b>               | 30                                   | 25                      | 52             | 90                                      | 140            | <b>1205 E</b><br>—               | FRB 5/52                        | <b>2205 E</b><br><b>22205 E</b><br><b>C 2205</b> | —            | FRB 3.5/52 | FRB 3.5/52 |
|                         | 30                                   | 32                      | 62             | 89                                      | 140            | <b>1305 E</b><br><b>21305 CC</b> | FRB 7.5/62<br>FRB 7.5/62        | <b>2305</b><br>—<br>—                            | FRB 4/62     | —<br>—     | FRB 3.5/52 |
| <b>30</b>               | 35                                   | 32                      | 62             | 89                                      | 150            | <b>1206 E</b><br>—               | FRB 8/62                        | <b>2206 E</b><br><b>22206 E</b><br><b>C 2206</b> | —            | FRB 6/62   | FRB 6/62   |
|                         | 35                                   | 34                      | 72             | 94                                      | 155            | <b>1306 E</b><br><b>21306 CC</b> | FRB 7.5/72<br>FRB 7.5/72        | <b>2306</b><br>—<br>—                            | FRB 3.5/72   | —<br>—     | FRB 6/62   |
| <b>35</b>               | 45                                   | 34                      | 72             | 96                                      | 160            | <b>1207 E</b><br>—               | FRB 8.5/72                      | <b>2207 E</b><br><b>22207 E</b><br><b>C 2207</b> | —            | FRB 5.5/72 | FRB 5.5/72 |
|                         | 45                                   | 39                      | 80             | 99                                      | 145            | <b>1307 E</b><br><b>21307 CC</b> | FRB 9/80<br>FRB 9/80            | <b>2307 E</b><br>—<br>—                          | FRB 4/80     | —<br>—     | FRB 5.5/72 |
| <b>40</b>               | 50                                   | 39                      | 80             | 99                                      | 160            | <b>1208 E</b><br>—               | FRB 10.5/80                     | <b>2208 E</b><br><b>22208 E</b><br><b>C 2208</b> | —            | FRB 8/80   | FRB 8/80   |
|                         | 50                                   | 41                      | 90             | 102                                     | 167            | <b>1308 E</b><br><b>21308 E</b>  | FRB 9/90<br>FRB 9/90            | <b>2308 E</b><br><b>22308 E</b><br>—             | FRB 4/90     | FRB 4/90   | FRB 8/80   |

**SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  45 – 60 mm**

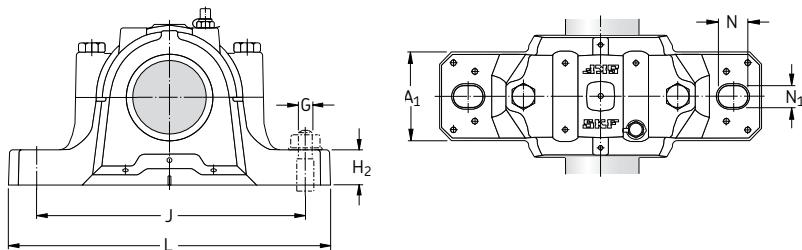


Double-lip seals  
G design

Labyrinth seals  
S design

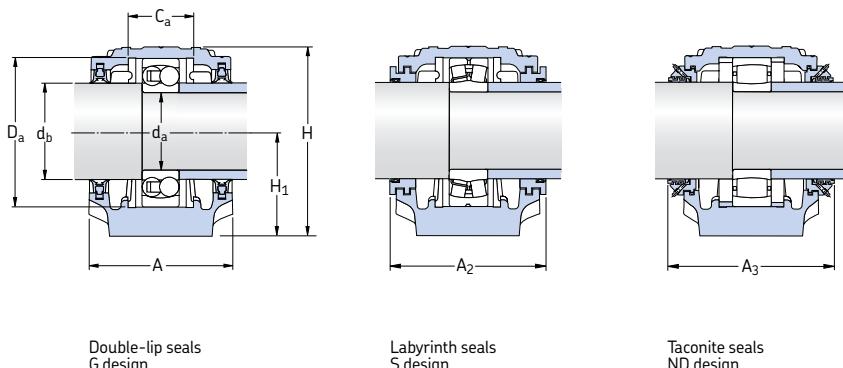
Taconite seals  
ND design

| Shaft<br>Dimensions | Housing<br>Dimensions  | Mass     | Designations  |  | Components<br>Housing<br>only                     | Seals  | End cover |
|---------------------|--|----------|---|--|---|--|-----------|
|                     |  |          | Housing<br>complete with<br>two seals                 | Housing<br>only  |   |  |           |
| $d_a$               | A    A <sub>1</sub> H    H <sub>1</sub> H <sub>2</sub> J    L    N    N <sub>1</sub> G | mm    mm | kg  | –  |   |  |           |
| 45                  | 85    60    109    60    25    170    205    20    15    12                            | 2,75     | SNL 209 TG<br>SNL 209 TA<br>SNL 209 TS<br>SNL 209 TND | SNL 209<br>SNL 209<br>SNL 209<br>SNL 209                 | TSN 209 G<br>TSN 209 A<br>TSN 209 S<br>TSN 209 ND | ASNH 511-609<br>ASNH 511-609<br>ASNH 511-609<br>ASNH 511-609 |           |
|                     | 95    70    128    70    28    210    255    24    18    16                            | 4,40     | SNL 309 TG<br>SNL 309 TA<br>SNL 309 TS<br>SNL 309 TND | SNL 511-609<br>SNL 511-609<br>SNL 511-609<br>SNL 511-609 | TSN 309 G<br>TSN 309 A<br>TSN 309 S<br>TSN 309 ND | ASNH 511-609<br>ASNH 511-609<br>ASNH 511-609<br>ASNH 511-609 |           |
| 50                  | 90    60    113    60    25    170    205    20    15    12                            | 3,00     | SNL 210 TG<br>SNL 210 TA<br>SNL 210 TS<br>SNL 210 TND | SNL 210<br>SNL 210<br>SNL 210<br>SNL 210                 | TSN 210 G<br>TSN 210 A<br>TSN 210 S<br>TSN 210 ND | ASNH 512-610<br>ASNH 512-610<br>ASNH 512-610<br>ASNH 512-610 |           |
|                     | 105    70    134    70    30    210    255    24    18    16                           | 5,10     | SNL 310 TG<br>SNL 310 TA<br>SNL 310 TS<br>SNL 310 TND | SNL 512-610<br>SNL 512-610<br>SNL 512-610<br>SNL 512-610 | TSN 310 G<br>TSN 310 A<br>TSN 310 S<br>TSN 310 ND | ASNH 512-610<br>ASNH 512-610<br>ASNH 512-610<br>ASNH 512-610 |           |
| 55                  | 95    70    128    70    28    210    255    24    18    16                            | 4,20     | SNL 211 TG<br>SNL 211 TA<br>SNL 211 TS<br>SNL 211 TND | SNL 211<br>SNL 211<br>SNL 211<br>SNL 211                 | TSN 211 G<br>TSN 211 A<br>TSN 211 S<br>TSN 211 ND | ASNH 513-611<br>ASNH 513-611<br>ASNH 513-611<br>ASNH 513-611 |           |
|                     | 110    80    150    80    30    230    275    24    18    16                           | 6,50     | SNL 311 TG<br>SNL 311 TA<br>SNL 311 TS<br>SNL 311 TND | SNL 513-611<br>SNL 513-611<br>SNL 513-611<br>SNL 513-611 | TSN 311 G<br>TSN 311 A<br>TSN 311 S<br>TSN 311 ND | ASNH 513-611<br>ASNH 513-611<br>ASNH 513-611<br>ASNH 513-611 |           |
| 60                  | 105    70    134    70    30    210    255    24    18    16                           | 4,75     | SNL 212 TG<br>SNL 212 TA<br>SNL 212 TS<br>SNL 212 TND | SNL 212<br>SNL 212<br>SNL 212<br>SNL 212                 | TSN 212 G<br>TSN 212 A<br>TSN 212 S<br>TSN 212 ND | ASNH 515-612<br>ASNH 515-612<br>ASNH 515-612<br>ASNH 515-612 |           |
|                     | 115    80    156    80    30    230    280    24    18    16                           | 7,00     | SNL 312 TG<br>SNL 312 TA<br>SNL 312 TS<br>SNL 312 TND | SNL 515-612<br>SNL 515-612<br>SNL 515-612<br>SNL 515-612 | TSN 312 G<br>TSN 312 A<br>TSN 312 S<br>TSN 312 ND | ASNH 515-612<br>ASNH 515-612<br>ASNH 515-612<br>ASNH 515-612 |           |



| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>d <sub>b</sub> | Width<br>across<br>seal |                | Appropriate bearings and locating rings |                | Locating rings<br>2 per housing | Locating rings<br>2 per housing |  |              |   |    |
|-------------------------|--------------------------------------|-------------------------|----------------|---|----------------|---------------------------------|---------------------------------|--|--------------|---|----|
|                         |                                      | C <sub>a</sub>          | D <sub>a</sub> | A <sub>2</sub>                          | A <sub>3</sub> | Self-aligning<br>ball bearing   | Spherical<br>roller bearing     | Spherical roller bearing                         | CARB bearing |   |    |
| mm                      | mm                                   | mm                      | mm             | mm                                      | mm             | mm                              | mm                              | mm   | mm           | mm  | mm |
| <b>45</b>               | 55                                   | 30                      | 85             | 97                                      | 160            | <b>1209 E</b><br>—              | FRB 5.5/85                      | <b>2209 E</b><br><b>22209 E</b><br><b>C 2209</b> | —            | FRB 3.5/85<br>FRB 3.5/85<br>FRB 3.5/85    |    |
|                         | 55                                   | 44                      | 100            | 107                                     | 172            | <b>1309 E</b><br><b>21309 E</b> | FRB 9.5/100<br>FRB 9.5/100      | <b>2309 E</b><br><b>22309 E</b><br>—             | —            | FRB 4/100<br>FRB 4/100                    |    |
| <b>50</b>               | 60                                   | 41                      | 90             | 102                                     | 165            | <b>1210 E</b><br>—              | FRB 10.5/90                     | <b>2210 E</b><br><b>22210 E</b><br><b>C 2210</b> | —            | FRB 9/90<br>FRB 9/90<br>FRB 9/90          |    |
|                         | 60                                   | 48                      | 110            | 117                                     | 180            | <b>1310 E</b><br><b>21310 E</b> | FRB 10.5/110<br>FRB 10.5/110    | <b>2310</b><br><b>22310 E</b><br>—               | —            | FRB 4/110<br>FRB 4/110                    |    |
| <b>55</b>               | 65                                   | 44                      | 100            | 107                                     | 170            | <b>1211 E</b><br>—              | FRB 11.5/100                    | <b>2211 E</b><br><b>22211 E</b><br><b>C 2211</b> | —            | FRB 9.5/100<br>FRB 9.5/100<br>FRB 9.5/100 |    |
|                         | 65                                   | 51                      | 120            | 122                                     | 185            | <b>1311 E</b><br><b>21311 E</b> | FRB 11/120<br>FRB 11/120        | <b>2311</b><br><b>22311 E</b><br>—               | —            | FRB 4/120<br>FRB 4/120                    |    |
| <b>60</b>               | 70                                   | 48                      | 110            | 117                                     | 185            | <b>1212 E</b><br>—              | FRB 13/110                      | <b>2212 E</b><br><b>22212 E</b><br><b>C 2212</b> | —            | FRB 10/110<br>FRB 10/110<br>FRB 10/110    |    |
|                         | 70                                   | 56                      | 130            | 127                                     | 197            | <b>1312</b><br><b>21312 E</b>   | FRB 12.5/130<br>FRB 12.5/130    | <b>2312</b><br><b>22312 E</b><br>—               | —            | FRB 5/130<br>FRB 5/130                    |    |

**SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  65 – 80 mm**

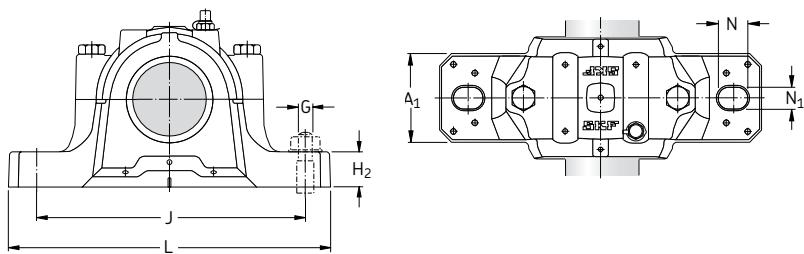


Double-lip seals  
G design

Labyrinth seals  
S design

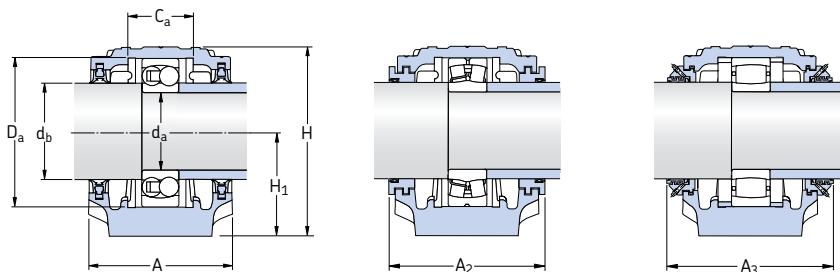
Taconite seals  
ND design

| Shaft<br>Dimensions | Housing<br>Dimensions  | Mass     | Designations                          |                 | Components<br>Housing<br>only   | Seals   | End cover  |
|---------------------|--|----------|---------------------------------------|-----------------|---|---|--|
|                     |  |          | Housing<br>complete with<br>two seals | Housing<br>only |   |   |  |
| $d_a$               | A    A <sub>1</sub> H    H <sub>1</sub> H <sub>2</sub> J    L    N    N <sub>1</sub> G | mm    mm | kg                                    | –               |   |   |  |
| 65                  | 110 80 149 80 30 230 275 24 18 16 6,10   |          |                                       |                 | SNL 213 TG    SNL 213<br>SNL 213 TA    SNL 213<br>SNL 213 TS    SNL 213<br>SNL 213 TND    SNL 213                 | TSN 213 G    TSN 213 A<br>TSN 213 S    TSN 213 ND | ASNH 516-613    ASNH 516-613<br>ASNH 516-613    ASNH 516-613<br>ASNH 516-613    ASNH 516-613<br>ASNH 516-613    ASNH 516-613 |
|                     | 120 90 177 95 32 260 315 28 22 20 9,50   |          |                                       |                 | SNL 313 TG    SNL 516-613<br>SNL 313 TA    SNL 516-613<br>SNL 313 TS    SNL 516-613<br>SNL 313 TND    SNL 516-613 | TSN 313 G    TSN 313 A<br>TSN 313 S    TSN 313 ND | ASNH 516-613    ASNH 516-613<br>ASNH 516-613    ASNH 516-613<br>ASNH 516-613    ASNH 516-613<br>ASNH 516-613    ASNH 516-613 |
| 70                  | 125 90 183 95 32 260 320 28 22 20 10,0   |          |                                       |                 | SNL 314 TG    SNL 517<br>SNL 314 TA    SNL 517<br>SNL 314 TS    SNL 517<br>SNL 314 TND    SNL 517                 | TSN 314 G    TSN 314 A<br>TSN 314 S    TSN 314 ND | ASNH 517    ASNH 517<br>ASNH 517    ASNH 517<br>ASNH 517    ASNH 517<br>ASNH 517    ASNH 517                                 |
| 75                  | 115 80 155 80 30 230 280 24 18 16 6,60   |          |                                       |                 | SNL 215 TG    SNL 215<br>SNL 215 TA    SNL 215<br>SNL 215 TS    SNL 215<br>SNL 215 TND    SNL 215                 | TSN 215 G    TSN 215 A<br>TSN 215 S    TSN 215 ND | ASNH 518-615    ASNH 518-615<br>ASNH 518-615    ASNH 518-615<br>ASNH 518-615    ASNH 518-615<br>ASNH 518-615    ASNH 518-615 |
|                     | 140 100 194 100 35 290 345 28 22 20 12,5   |          |                                       |                 | SNL 315 TG    SNL 518-615<br>SNL 315 TA    SNL 518-615<br>SNL 315 TS    SNL 518-615<br>SNL 315 TND    SNL 518-615 | TSN 315 G    TSN 315 A<br>TSN 315 S    TSN 315 ND | ASNH 518-615    ASNH 518-615<br>ASNH 518-615    ASNH 518-615<br>ASNH 518-615    ASNH 518-615<br>ASNH 518-615    ASNH 518-615 |
| 80                  | 120 90 177 95 32 260 315 28 22 20 9,00   |          |                                       |                 | SNL 216 TG    SNL 216<br>SNL 216 TA    SNL 216<br>SNL 216 TS    SNL 216<br>SNL 216 TND    SNL 216                 | TSN 216 G    TSN 216 A<br>TSN 216 S    TSN 216 ND | ASNH 216    ASNH 216<br>ASNH 216    ASNH 216<br>ASNH 216    ASNH 216<br>ASNH 216    ASNH 216                                 |
|                     | 145 100 212 112 35 290 345 28 22 20 13,7   |          |                                       |                 | SNL 316 TG    SNL 519-616<br>SNL 316 TA    SNL 519-616<br>SNL 316 TS    SNL 519-616<br>SNL 316 TND    SNL 519-616 | TSN 316 G    TSN 316 A<br>TSN 316 S    TSN 316 ND | ASNH 519-616    ASNH 519-616<br>ASNH 519-616    ASNH 519-616<br>ASNH 519-616    ASNH 519-616<br>ASNH 519-616    ASNH 519-616 |



| Shaft<br>d <sub>a</sub> | Bearing<br>seating<br>d <sub>b</sub> | Width<br>across<br>seal |                | Appropriate bearings and locating rings |                |                               |                                 |                              |  |                                     |
|-------------------------|--------------------------------------|-------------------------|----------------|---|----------------|-------------------------------|---------------------------------|------------------------------|--|-------------------------------------|
|                         |                                      | C <sub>a</sub>          | D <sub>a</sub> | A <sub>2</sub>                          | A <sub>3</sub> | Self-aligning<br>ball bearing | Locating rings<br>2 per housing | Spherical<br>roller bearing  |  |                                     |
| mm                      | mm                                   |                         |                | mm                                      | -              |                               |                                 |                              |  |                                     |
| 65                      | 75                                   | 51                      | 120            | 128                                     | 190            | 1213 E<br>-                   | FRB 14/120<br>-                 | 2213 E<br>22213 E<br>C 2213  | FRB 10/120<br>FRB 10/120<br>FRB 10/120       |                                     |
|                         |                                      | 75                      | 58             | 140                                     | 138            | 200                           | 1313 E<br>21313 E               | FRB 12.5/140<br>FRB 12.5/140 | 2313<br>22313 E<br>-                         | FRB 5/140<br>FRB 5/140<br>-         |
| 70                      | 80                                   | 61                      | 150            | 143                                     | 205            | 1314<br>21314 E               | FRB 13/150<br>FRB 13/150        | 2314<br>22314 E<br>C 2314    | FRB 5/150<br>FRB 5/150<br>FRB 5/150          |                                     |
| 75                      | 85                                   | 56                      | 130            | 133                                     | 195            | 1215<br>-                     | FRB 15.5/130<br>-               | 2215 E<br>22215 E<br>C 2215  | FRB 12.5/130<br>FRB 12.5/130<br>FRB 12.5/130 |                                     |
|                         |                                      | 85                      | 65             | 160                                     | 158            | 220                           | 1315<br>21315 E                 | FRB 14/160<br>FRB 14/160     | 2315<br>22315 E<br>C 2315                    | FRB 5/160<br>FRB 5/160<br>FRB 5/160 |
| 80                      | 90                                   | 58                      | 140            | 138                                     | 200            | 1216<br>-                     | FRB 16/140<br>-                 | 2216 E<br>22216 E<br>C 2216  | FRB 12.5/140<br>FRB 12.5/140<br>FRB 12.5/140 |                                     |
|                         |                                      | 90                      | 68             | 170                                     | 163            | 218                           | 1316<br>21316 E                 | FRB 14.5/170<br>FRB 14.5/170 | 2316<br>22316 E<br>C 2316                    | FRB 5/170<br>FRB 5/170<br>FRB 5/170 |

**SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  85 – 120 mm**

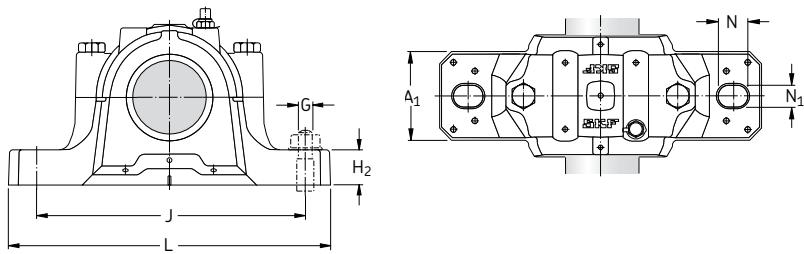


Double-lip seals  
G design

Labyrinth seals  
S design

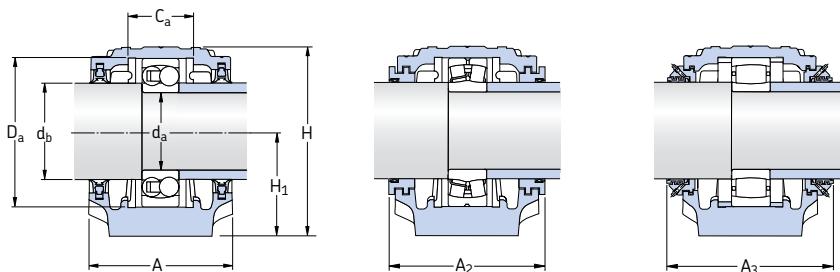
Taconite seals  
ND design

| Shaft<br>Dimensions | Housing<br>Dimensions  | Mass     | Designations  |  | Components<br>Housing<br>only                     | Seals  | End cover |
|---------------------|--|----------|---|--|---|--|-----------|
|                     |  |          | Housing<br>complete with<br>two seals                 | Housing<br>complete with<br>one seal                     |   |  |           |
| $d_a$               | A    A <sub>1</sub> H    H <sub>1</sub> H <sub>2</sub> J    L    N    N <sub>1</sub> G | mm    mm | kg  | –  |   |  |           |
| 85                  | 125 90 183 95 32 260 320 28 22 20  | 9,50     | SNL 217 TG<br>SNL 217 TA<br>SNL 217 TS<br>SNL 217 TND | SNL 217<br>SNL 217<br>SNL 217<br>SNL 217                 | TSN 217 G<br>TSN 217 A<br>TSN 217 S<br>TSN 217 ND | ASNH 217<br>ASNH 217<br>ASNH 217<br>ASNH 217                 |           |
|                     | 160 110 218 112 40 320 380 32 26 24  | 17,6     | SNL 317 TG<br>SNL 317 TA<br>SNL 317 TS<br>SNL 317 TND | SNL 520-617<br>SNL 520-617<br>SNL 520-617<br>SNL 520-617 | TSN 317 G<br>TSN 317 A<br>TSN 317 S<br>TSN 317 ND | ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617 |           |
| 90                  | 140 100 194 100 35 290 345 28 22 20  | 11,8     | SNL 218 TG<br>SNL 218 TA<br>SNL 218 TS<br>SNL 218 TND | SNL 218<br>SNL 218<br>SNL 218<br>SNL 218                 | TSN 218 G<br>TSN 218 A<br>TSN 218 S<br>TSN 218 ND | ASNH 218<br>ASNH 218<br>ASNH 218<br>ASNH 218                 |           |
| 95                  | 175 120 242 125 45 350 410 32 26 24  | 22,0     | SNL 319 TA<br>SNL 319 TS<br>SNL 319 TND               | SNL 522-619<br>SNL 522-619<br>SNL 522-619                | TSN 319 A<br>TSN 319 S<br>TSN 319 ND              | ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619                 |           |
| 100                 | 160 110 218 112 40 320 380 32 26 24  | 17,6     | SNL 220 TG<br>SNL 220 TA<br>SNL 220 TS<br>SNL 220 TND | SNL 520-617<br>SNL 520-617<br>SNL 520-617<br>SNL 520-617 | TSN 220 G<br>TSN 220 A<br>TSN 220 S<br>TSN 220 ND | ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617<br>ASNH 520-617 |           |
|                     | 185 120 271 140 45 350 410 32 26 24  | 26,2     | SNL 320 TA<br>SNL 320 TS<br>SNL 320 TND               | SNL 524-620<br>SNL 524-620<br>SNL 524-620                | TSN 320 A<br>TSN 320 S<br>TSN 320 ND              | ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620                 |           |
| 110                 | 175 120 242 125 45 350 410 32 26 24  | 22,0     | SNL 222 TG<br>SNL 222 TA<br>SNL 222 TS<br>SNL 222 TND | SNL 522-619<br>SNL 522-619<br>SNL 522-619<br>SNL 522-619 | TSN 222 G<br>TSN 222 A<br>TSN 222 S<br>TSN 222 ND | ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619<br>ASNH 522-619 |           |
| 120                 | 185 120 271 140 45 350 410 32 26 24  | 26,2     | SNL 224 TG<br>SNL 224 TA<br>SNL 224 TS<br>SNL 224 TND | SNL 524-620<br>SNL 524-620<br>SNL 524-620<br>SNL 524-620 | TSN 224 G<br>TSN 224 A<br>TSN 224 S<br>TSN 224 ND | ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620<br>ASNH 524-620 |           |



| Shaft          |                | Bearing seating |                | Width across seal |                | Appropriate bearings and locating rings |                              |                                |  |
|----------------|----------------|-----------------|----------------|-------------------|----------------|---|------------------------------|--------------------------------|--|
| d <sub>a</sub> | d <sub>b</sub> | C <sub>a</sub>  | D <sub>a</sub> | A <sub>2</sub>    | A <sub>3</sub> | Self-aligning ball bearing              | Locating rings 2 per housing | Spherical roller bearing       | Locating rings 2 per housing                 |
| mm             | mm             | mm              | mm             | mm                | mm             | —                                       |                              |                                |  |
| 85             | 95             | 61              | 150            | 143               | 205            | 1217<br>—                               | FRB 16.5/150<br>—            | 2217<br>22217 E<br>C 2217      | FRB 12.5/150<br>FRB 12.5/150<br>FRB 12.5/150 |
|                | 95             | 70              | 180            | 178               | 238            | 1317<br>21317 E                         | FRB 14.5/180<br>FRB 14.5/180 | 2317<br>22317 E<br>C 2317      | FRB 5/180<br>FRB 5/180<br>FRB 5/180          |
| 90             | 100            | 65              | 160            | 158               | 220            | 1218<br>22218 E                         | FRB 17.5/160<br>FRB 12.5/160 | 2218<br>23218 CC/W33<br>C 2218 | FRB 12.5/160<br>FRB 6.25/160<br>FRB 12.5/160 |
| 95             | 110            | 80              | 200            | 191               | 253            | 1319<br>21319 E                         | FRB 17.5/200<br>FRB 17.5/200 | 2319<br>22319 E<br>—           | FRB 6.5/200<br>FRB 6.5/200<br>—              |
| 100            | 115            | 70              | 180            | 178               | 245            | 1220<br>22220 E                         | FRB 18/180<br>FRB 12/180     | 2220<br>23220 CC/W33<br>C 2220 | FRB 12/180<br>FRB 4.85/180<br>FRB 12/180     |
|                | 115            | 86              | 215            | 199               | 260            | 1320<br>21320 E                         | FRB 19.5/215<br>FRB 19.5/215 | 2320<br>22320 E<br>C 2320      | FRB 6.5/215<br>FRB 6.5/215<br>FRB 6.5/215    |
| 110            | 125            | 80              | 200            | 191               | 255            | 1222<br>22222 E                         | FRB 21/200<br>FRB 13.5/200   | 2222<br>23222 CC/W33<br>C 2222 | FRB 13.5/200<br>FRB 5.1/200<br>FRB 13.5/200  |
| 120            | 135            | 86              | 215            | 199               | 270            | 1224<br>22224 E                         | FRB 22/215<br>FRB 14/215     | —<br>23224 CC/W33<br>C 3224    | —<br>FRB 5/215<br>FRB 5/215                  |

**SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  130 – 160 mm**

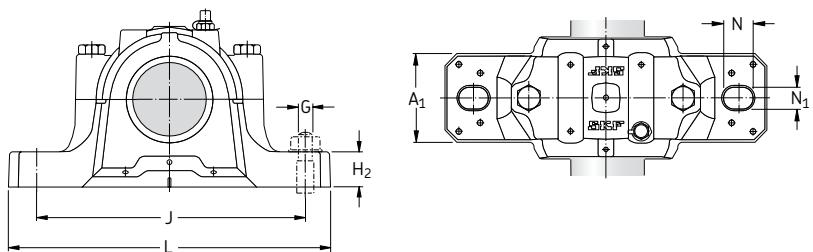


Double-lip seals  
G design

Labyrinth seals  
S design

Taconite seals  
ND design

| Shaft<br>Dimensions | $d_a$ | A   | A <sub>1</sub> | H   | H <sub>1</sub> | H <sub>2</sub> | J   | L  | N  | N <sub>1</sub> | G    | Mass        | Designations | Components<br>Housing<br>only | Seals    | End cover |
|---------------------|-------|-----|----------------|-----|----------------|----------------|-----|----|----|----------------|------|-------------|--------------|-------------------------------|----------|-----------|
|                     |       |     |                |     |                |                |     |    |    |                |      | mm          | mm           |                               |          |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | kg          | –            |                               |          |           |
| 130                 | 190   | 130 | 290            | 150 | 50             | 380            | 445 | 35 | 28 | 24             | 33,0 | SNL 226 TG  | SNL 526      | TSN 226 G                     | ASNH 526 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 226 TA  | SNL 526      | TSN 226 A                     | ASNH 526 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 226 TS  | SNL 526      | TSN 226 S                     | ASNH 526 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 226 TND | SNL 526      | TSN 226 ND                    | ASNH 526 |           |
| 140                 | 205   | 150 | 302            | 150 | 50             | 420            | 500 | 42 | 35 | 30             | 40,0 | SNL 228 TG  | SNL 528      | TSN 228 G                     | ASNH 528 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 228 TA  | SNL 528      | TSN 228 A                     | ASNH 528 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 228 TS  | SNL 528      | TSN 228 S                     | ASNH 528 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 228 TND | SNL 528      | TSN 228 ND                    | ASNH 528 |           |
| 150                 | 220   | 160 | 323            | 160 | 60             | 450            | 530 | 42 | 35 | 30             | 49,0 | SNL 230 TG  | SNL 530      | TSN 230 G                     | ASNH 530 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 230 TA  | SNL 530      | TSN 230 A                     | ASNH 530 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 230 TS  | SNL 530      | TSN 230 S                     | ASNH 530 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 230 TND | SNL 530      | TSN 230 ND                    | ASNH 530 |           |
| 160                 | 235   | 160 | 344            | 170 | 60             | 470            | 550 | 42 | 35 | 30             | 55,0 | SNL 232 TG  | SNL 532      | TSN 232 G                     | ASNH 532 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 232 TA  | SNL 532      | TSN 232 A                     | ASNH 532 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 232 TS  | SNL 532      | TSN 232 S                     | ASNH 532 |           |
|                     |       |     |                |     |                |                |     |    |    |                |      | SNL 232 TND | SNL 532      | TSN 232 ND                    | ASNH 532 |           |



| Shaft          |                | Bearing seating |                | Width across seal |                | Appropriate bearings and locating rings |                              |                                       |                              |
|----------------|----------------|-----------------|----------------|-------------------|----------------|---|------------------------------|---------------------------------------|------------------------------|
| d <sub>a</sub> | d <sub>b</sub> | C <sub>a</sub>  | D <sub>a</sub> | A <sub>2</sub>    | A <sub>3</sub> | Self-aligning ball bearing              | Locating rings 2 per housing | Spherical roller bearing CARB bearing | Locating rings 2 per housing |
| mm             | mm             | mm              | mm             | mm                | mm             | —                                       | —                            | —                                     | —                            |
| 130            | 145            | 90              | 230            | 208               | 275            | 1226<br>22226 E                         | FRB 22/230<br>FRB 13/230     | 23226 CC/W33<br>C 2226                | FRB 5/230<br>FRB 13/230      |
| 140            | 155            | 98              | 250            | 223               | 290            | —<br>22228 CC/W33                       | —<br>FRB 15/250              | 23228 CC/W33<br>C 2228                | FRB 5/250<br>FRB 15/250      |
| 150            | 165            | 106             | 270            | 241               | 310            | —<br>22230 CC/W33                       | —<br>FRB 16.5/270            | 23230 CC/W33<br>C 2230                | FRB 5/270<br>FRB 16.5/270    |
| 160            | 175            | 114             | 290            | 254               | 325            | —<br>22232 CC/W33                       | —<br>FRB 17/290              | 23232 CC/W33<br>C 3232                | FRB 5/290<br>FRB 5/290       |

## Large SNL plummer block housings

The large SNL plummer block housings (→ fig. 1) incorporate all the wide experience gained by SKF with the smaller SNL housings (→ page 1033) and extend the range to bigger shafts. These housings represent a further development of the SD housings.

Large SNL plummer block housings are intended to take

- spherical roller bearings in the 230, 231 and 232 series
- CARB toroidal roller bearings in the C 30, C 31 and C 32 series

as standard, but can be used for bearings in the 22, 23 and 40 Dimension Series too. Please contact the SKF application engineering service for further information.

The large SNL housings are designed for bearing arrangement types

- bearing on adapter sleeve and smooth shafts with 115 to 500 mm as well as 5 15/16 to 19 1/2 inch diameter
- bearing on stepped shafts and cylindrical seatings with 130 to 530 mm diameter.

### Seals

- Labyrinth seals
- Taconite heavy-duty seals
- Oil seals

### Lubrication

- Grease lubrication
- Oil lubrication

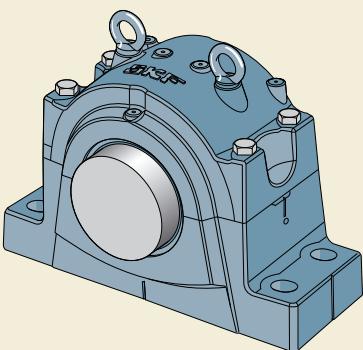
### Materials

- Grey cast iron
- Spheroidal graphite cast iron

### Further information

Further information can be found in the product brochure "SNL 30 and SNL 31 plummer block housings solve the housing problems" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 1



# SONL plummer block housings

SONL plummer block housings (→ fig. 2) are specifically designed for oil lubrication and are particularly suitable for bearing arrangements, where speed and operating temperatures are high. These housings represent a further development of the earlier SOFN housings with which they are dimensionally interchangeable and which they replace.

The split SONL plummer block housings are intended for

- spherical roller bearings in the 222 series
- CARB toroidal roller bearings in the C 22 series.

They are designed for bearing arrangement types

- bearing on adapter sleeve and smooth shafts with 75 to 220 mm diameter
- bearing on stepped or smooth shafts and cylindrical seatings with 85 to 240 mm diameter.

The earlier SOFN plummer block housings for bearings in the 23 Dimension Series are not replaced by SONL housings but will still be available on request for replacement purposes.

## Seals

- Labyrinth seals

## Lubrication

- Oil lubrication with pick-up ring
- Circulating oil lubrication

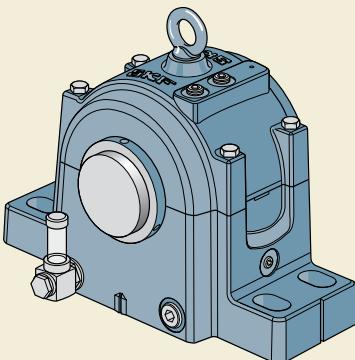
## Materials

- Grey cast iron
- Spheroidal graphite cast iron

## Further information

Further information can be found in the product brochure “SONL plummer block housings – designed for oil lubrication” or the “SKF Interactive Engineering Catalogue” on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 2



## Other bearing housings

### SDG plummer block housings

SDG plummer block housings (→ fig. 3) have been developed for large bearing arrangements. These split housings can be used for

- spherical roller bearings and CARB bearings in several dimension series.

The housings are designed for bearing arrangement types

- bearing on adapter sleeve and smooth shafts with 125 to 530 mm diameter
- bearing on adapter sleeve and stepped shafts with cylindrical seatings with 125 to 530 mm diameter
- bearing on withdrawal sleeve and stepped shafts with cylindrical seatings with 135 to 600 mm diameter
- bearing on stepped shafts and cylindrical seatings with 140 to 710 mm diameter.

#### Seals

- Felt seals
- Felt seals with additional V-ring
- Labyrinth seals with inner felt seal

#### Lubrication

- Grease lubrication

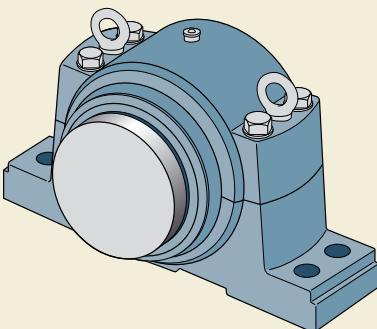
#### Materials

- Grey cast iron
- Spheroidal graphite cast iron
- Cast steel

#### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 3



# SAF pillow (plummer) block housings

SAF pillow (plummer) block housings (→ fig. 4) were specifically designed for shafts with inch dimensions. The split housings can be used for

- self-aligning ball bearings in the 12 and 13 series
- spherical roller bearings in the 222, 223, and 230 series
- CARB bearings in the C 22, C 23 and C 30 series.

The housings are designed for bearing arrangement types

- bearing on adapter sleeve and smooth shafts with  $1\frac{3}{16}$  to  $10\frac{7}{16}$  inch diameter
- bearing on stepped inch shafts and metric cylindrical seatings with 40 to 220 mm diameter.

## Seals

- Labyrinth seals
- Labyrinth seals with inner radial shaft seal
- Radial shaft seals
- Taconite heavy-duty seals

## Lubrication

- Grease lubrication
- Oil lubrication

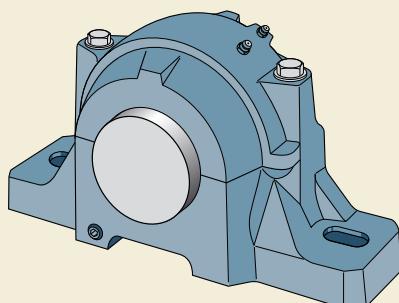
## Materials

- Grey cast iron
- Spheroidal graphite cast iron
- Cast steel

## Further information

Further information can be found in the SKF catalogue "Product Guide" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 4



## Other bearing housings

# SDAF pillow (plummer) block housings

SDAF pillow (plummer) block housings (→ fig. 5) were specifically designed for applications with inch shafts where heavy thrust loads and/or shock loads require a housing of exceptionally sturdy construction. The split housings can be used for

- spherical roller bearings in the 222 and 223 series
- CARB bearings in the C 22 and C 23 series.

The housings are designed for bearing arrangement types

- bearing on adapter sleeve and smooth shafts with  $2\frac{15}{16}$  to  $7\frac{15}{16}$  inch diameter
- bearing on stepped inch shafts and metric cylindrical seatings with 85 to 220 mm diameter.

### Seals

- Labyrinth seals
- Labyrinth seals with inner radial shaft seal
- Radial shaft seals
- Taconite heavy-duty seals

### Lubrication

- Grease lubrication
- Oil lubrication

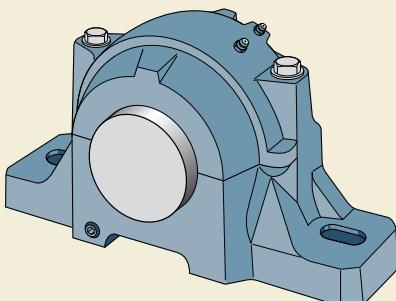
### Materials

- Grey cast iron
- Cast steel

### Further information

Further information can be found in the SKF catalogue "Product Guide" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 5



## SBD plummer block housings

One-piece SBD plummer block housings (→ fig. 6) are able to accommodate heavy loads not only acting towards the support surface, but also in other directions. They can be used for

- spherical roller bearings in the 230, 231, 222 and 232 series
- CARB bearings in the C 30, C 31, C 22 and C 32 series.

The housings are designed for bearing arrangement types

- bearing on adapter sleeve and smooth shafts with 90 to 400 mm diameter
- bearing on adapter sleeve and stepped shafts with cylindrical seatings with 90 to 400 mm diameter
- bearing on stepped shafts and cylindrical seatings with 100 to 420 mm diameter.

### Seals

- Labyrinth seals

### Lubrication

- Grease lubrication

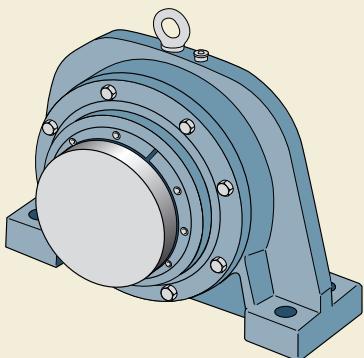
### Materials

- Cast steel
- Grey cast iron
- Spheroidal graphite cast iron

### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 6



## TVN plummer block housings

One-piece TVN housings (→ fig. 7) were originally designed for use on light rail-bound trucks but may be used instead of plummer block housings. The one-piece design is stiffer than a horizontally split design. They accommodate

- self-aligning ball bearings in the 12 and 13 series
- spherical roller bearings in the 213 series.

The housings are designed for bearing arrangement type

- bearing on stepped shafts and cylindrical seatings with 20 to 75 mm diameter.

### Seals

- Felt seals

### Lubrication

- Grease lubrication

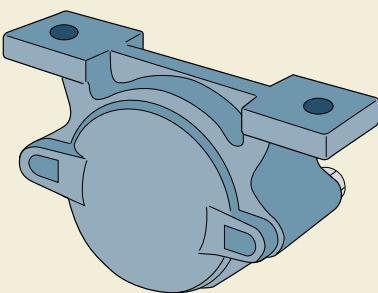
### Material

- Grey cast iron

### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 7



## TN plummer block housings

One-piece TN housings (→ fig. 8) are normally used for less demanding applications. They accommodate self-aligning ball bearings with extended inner ring in the 112 series for shaft diameters from 20 to 60 mm.

### Seals

- Felt seals

### Lubrication

- Grease lubrication

### Material

- Grey cast iron

### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

## I-1200(00) flanged housings

Flanged housings in the I-1200(00) series (→ fig. 9) are normally used for less demanding applications. They accommodate self-aligning ball bearings with extended inner ring in the 112 series for shaft diameters from 20 to 60 mm.

### Seals

- Felt seals

### Lubrication

- Grease lubrication

### Material

- Grey cast iron

### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 8

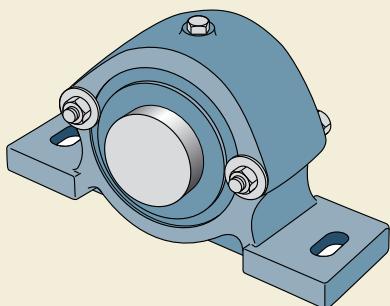
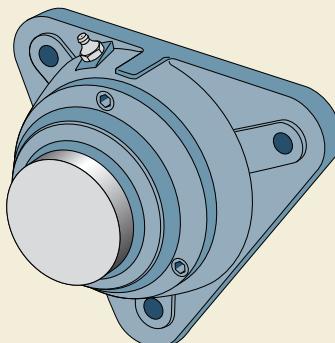


Fig. 9



## 7225(00) flanged housings

Flanged housings in the 7225(00) series are produced in two designs depending on size (→ fig. 10). The smaller sizes have a triangular form (a) and the larger sizes have a square form (b). They can be used for

- self-aligning ball bearings in the 12 and 22 series
- spherical roller bearings in the 222 series
- CARB bearings in the C 22 series.

The housings are designed for bearing arrangement type

- bearing on adapter sleeve and smooth shafts with 20 to 100 mm diameter.

### Seals

- Felt seals

### Lubrication

- Grease lubrication

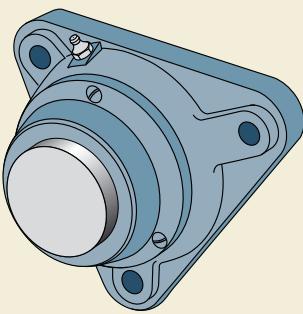
### Material

- Grey cast iron

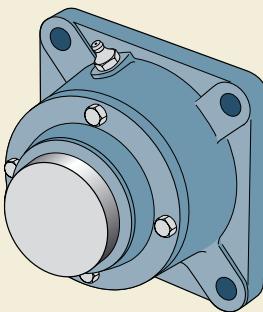
### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 10



a



b

## THD take-up housings

THD take-up housings (→ fig. 11) are specially designed for belt conveyors. They can be used for

- spherical roller bearings in the 230, 231, 232 and 222 series
- CARB bearings in the C 30, C 31, C 32 and C 22 series.

The housings are designed for bearing arrangement type

- bearing on adapter sleeve and smooth shafts with 50 to 400 mm diameter.

### Seals

- Labyrinth seals

### Lubrication

- Grease lubrication

### Materials

- Cast steel
- Grey cast iron
- Spheroidal graphite cast iron

### Further information

Further information can be found in the SKF catalogue "Bearing housings" or the "SKF Interactive Engineering Catalogue" on CD-ROM or online at [www.skf.com](http://www.skf.com).

Fig. 11

