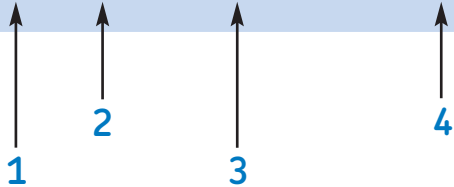




# Split pillow blocks

(metric series)

**F SNL 522-619 NMSN**



## 1. Prefix:

- Two holes for attachment bolts
- F** Four drilled holes for attachment bolts
- S** No holes

## 2. Housing styles:

- SNL** Housing of gray cast-iron
- SNLD** Housing of ductile-iron

## 3. Housing size:

- 205 to 218
- 505 to 532

## 4. Suffix:

- NM** Drilled and tapped hole 1/8-27 NPSF at center of cap, one grease nipple supplied
- V** Grease escape hole in base
- VU** Cap drilled, tapped and plugged with two holes 1/8-27 NPSF; Base drilled diagonally opposite, tapped and plugged with two holes 1/8-27 NPSF; One grease fitting AH 1/8-27 PTF supplied with housing
- T** Drilled and tapped hole 1/4-28 UNF at one side of cap, one grease nipple supplied
- TD** Drilled and tapped hole 1/4-28 UNF at both sides of cap, two grease nipples supplied
- SN** Drilled and tapped hole for sensor
- K7** Bearing seating diameter tolerance K7
- F** Fixed (large size blocks)
- L** Loose (no stab ring – large size blocks)

Where two or more suffixes are used they are given in the same order as above

### Introduction

## Fewer bearing replacements and less maintenance

### Plummer (pillow) block housings have much to offer

The main benefit of split plummer block housings is their easy installation; pre-assembled shafts can be mounted in them. When the housing bases are attached to the base plate it is then only necessary to place the housing caps in position and to tighten the attachment bolts to complete the installation.

Split plummer block housings available on the market are mainly intended for self-aligning ball bearings, spherical roller bearings and CARB® bearings of ISO dimension series 02, 03, 22, 23 and 32. They can often be fitted with various seals. Many designs and variants of split plummer block housings are available making the use of tailored housings unnecessary and thus enabling cost effective bearing arrangements to be made.

For many years SKF® has been one of the leading producers of split plummer block housings – synonymous with operational reliability, quality and versatility.

### SNL plummer (pillow) block housings have more to offer

SKF has developed the SNL plummer block housings to be the first choice for design, quality and economy. This enables customers to keep a step ahead.

SNL plummer block housings enable the full service life potential of the incorporated bearings to be exploited with less need of maintenance. This supports user efforts to further reduce maintenance costs. Among other characteristics the housings are very stiff, making them insensitive to uncontrolled and excessive tightening of the attachment bolts.

Another benefit is the choice of oil or grease lubrication for the bearings housed in SNL plummer blocks. A range of efficient seals for oil lubrication and rough environments make for trouble-free operation.

## One basic design - many variants

SNL plummer block housings are primarily intended for self-aligning ball bearings, spherical roller bearings and CARB bearings. The housings are designed on a "building block" principle. This enables a more generous choice of bearing, shaft mounting, seals and type of lubrication. Stocking is also simplified.

### A 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 the different standard seals a wide variety of housing variants, all belonging to the standard range, can be supplied to cover the majority of demands for plummer blocks for shafts having diameters of 20 to 160 mm, inclusive. The standard range also covers other variants, for example, housings with drilled and tapped holes for lubrication nipples or condition monitoring sensors. Housings are also available for bearings for larger shaft diameters (see page 488).

SNL plummer block housings are made of grey cast-iron and demonstrate high strength. Should, however, this strength be inadequate, dimensionally equivalent plummer block housings of ductile iron (spheroidal graphite cast-iron) can be supplied.

### Several sealing options

An important advantage of the SNL plummer block housings is that they can be fitted with a variety of seals. The standard seals supplied by SKF comprise double-lip seals, V-ring seals, felt seals, labyrinth seals and heavy-duty "taconite" seals as well as end covers. Other standard seals are also available for SNL housings. The housings need modification to accommodate the seals. These are oil seals and heavy-duty axial taconite seals.

SNL plummer block housings are fully interchangeable with the earlier SNH housings. Their dimensions conform to ISO 113:1994.

### Painting system

Resulting from customer surveys, SNL plummer block housings are painted as standard in accordance with ISO 12944-2, environmental Class C2. Black color: RAL 9005.



## Seals

### Standard seals

An important advantage of SNL plummer block housings is that they can be fitted with different types of seal. The standard seals available from SKF are split double-lip seals and felt seals, one-piece V-rings, labyrinth seals and the heavy-duty "taconite" seals. The seals are easy to install and are supplied separately.

All the standard seals as well as the seals for use with oil lubrication are presented in **Table 1** which gives a comprehensive overview of the seal types, their design features and their suitability for various operating conditions. Detailed information on the various standard and special seals, including properties and availability, will be found on pages 446 to 450.

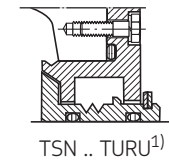
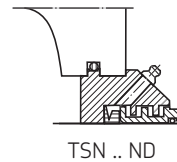
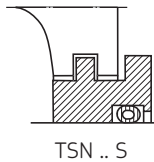
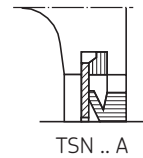


Table 1

Seal selection	TSN..G	TSN..A	TSN..C	TSN..S	TSN..ND	TSN..TURU <sup>1)</sup>
<b>Internal conditions</b>						
Temperature	-40° to +212° F (-40° to +100° C)	-40° to +212° F (-40° to +100° C)	-40° to +212° F (-40° to +100° C)	-58° to +392° F (-50° to +200° C)	-40° to +212° F (-40° to +100° C)	-40° to +392° F (-40° to +200° C)
Peripheral speed	Up to 26 ft/sec (Up to 8 m/sec)	Up to 23 ft/sec (Up to 7 m/sec) Above 23 ft/sec <sup>2)</sup> (Above 7 m/sec <sup>2)</sup> )	Up to 13 ft/sec (Up to 4 m/sec)	++ ++	Up to 39 ft/sec (Up to 12 m/sec)	++ ++
Misalignment, degrees	0.5 to 1	1 to 1.5	Up to 0.5	Up to 0.3	Up to 0.5	Up to 1
Relubrication grease	13 ft/sec <sup>3)</sup> (4 m/sec <sup>3)</sup> )	++ <sup>4)</sup>	-	+	+	
Oil lubrication	-	-	--	-	-	++
Low friction	+	++	-	++	+	++
Axial shaft displacement	++	-	++	+	+	-
Vertical mounting	+	++ <sup>5)</sup>	--	--	-	--
Replacement	++	-	+	-	-	-
<b>External conditions</b>						
Dust	++	+	+	+	++	-
Sand	++	+	-	+	++	+
Grit	+	-	-	+	++	+
Sharp objects, chipping splinters, etc.	+	--	+	++	++	++
Liquids when sprayed	+	+	-	--	++	-
Direct sunshine	+	--	++	++	++	++
Symbols:	++ very suitable	+ suitable	- limited suitability	-- unsuitable		

<sup>1)</sup> Delivered as a complete unit only, i.e. housing with seals.  
<sup>2)</sup> When V-ring axially supported.  
<sup>3)</sup> When using housing with grease escape hole (suffix V).  
<sup>4)</sup> If appropriate components are used: ASNA .. V.  
<sup>5)</sup> When the V-ring of the lower seal is mounted inboard.

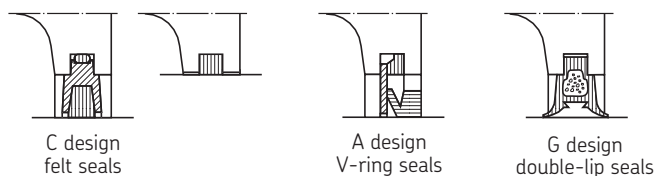


Table 2

## Permissible shaft speeds for rubbing seals

Shaft diameter $d_a, d_b$	Guideline values for the permissible shaft speed <sup>1)</sup> for standard seals of design		
	C <sup>2)</sup>	A	G
mm	r/min		
20	3 820	6 680	7 640
25	3 060	5 350	6 110
30	2 550	4 460	5 090
35	2 180	3 820	4 360
40	1 910	3 340	3 820
45	1 700	2 970	3 390
50	1 530	2 670	3 060
55	1 390	2 430	2 780
60	1 270	2 230	2 550
65	1 180	2 060	2 350
70	1 090	1 910	2 180
75	1 020	1 780	2 040
80	960	1 670	1 910
85	900	1 570	1 800
90	850	1 490	1 700
95	800	1 410	1 610
100	760	1 340	1 530
110	690	1 220	1 390
115	660	1 160	1 330
120	640	1 110	1 270
125	610	1 070	1 220
130	590	1 030	1 180
135	570	990	1 130
140	550	960	1 090
145	530	920	1 050
150	510	890	1 020
155	490	860	990
160	480	840	960
165	460	810	930
170	450	790	900

The speeds are valid when the seals are operated at temperatures between  $-40^{\circ}$  to  $+212^{\circ}$  F ( $-40^{\circ}$  to  $+100^{\circ}$  C) (permissible temperature range). At temperatures outside this range and/or at speeds higher than those given, labyrinth seals should be used.

<sup>1)</sup> The guideline values are based on the permissible sliding speed at the seal/counterface contact. However, the permissible shaft seal is determined by the speed rating for the bearing to be used in the housing.

<sup>2)</sup> The guideline values are based on a peripheral speed of 13 ft/sec (4 m/sec). Higher speeds are possible, see under "Felt ring seals".

## Seals

### Double-lip seals

Double-lip seals (**Figure 1**) are made of polyurethane, a wear-resistant material which has good elastic properties. The seals are split so that they are easy to fit. They are intended for grease lubrication and can be used at peripheral speeds of up to 26 ft/sec (8 m/sec). The permissible angular misalignment is approximately  $1^\circ$  for shaft diameters up to approximately 100 mm and  $0.5^\circ$  for larger sizes. The seal counterface on the shaft should be ground and the surface roughness  $R_a$  should not exceed  $126 \mu\text{in}$  ( $3.2 \mu\text{m}$ ). The recommended shaft tolerance is h9. When using housings with grease escape hole (suffix V) the speed limit is 13 ft/sec (4 m/sec) due to increased pressure on the inner seal lip.

The axial movement of the shaft relative to the housing is not limited when double-lip seals are used.

The double-lip seals are always supplied in packs of two seals. When housings are used at shaft ends, i.e. with one end cover, one of the seals will be left over and can be kept as a spare. The double lip seals are identified by the designation prefix TSN followed by the size identification and the suffix G, e.g. TSN 511 G.

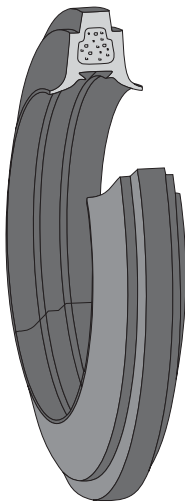
### V-ring seals

The V-ring seals (**Figure 2**) consist of a V-ring and a sheet steel sealing washer with vulcanized rubber lip which fits into the sealing groove in the housing. The washer is protected against corrosion. The V-rings are made of synthetic rubber and have a slim sealing lip, which seals axially against the sealing washer. The V-ring "body", which sits tightly on the shaft and rotates with it, also serves as a flinger. V-ring seals provide efficient sealing even under difficult operating conditions such as high speeds, rough finished shafts etc. They can be operated at peripheral speeds in excess of 7 m/s if the V-ring is prevented from moving or lifting from the shaft by a support ring. Recommended dimensions for appropriate support rings (for axial and radial location) are given in **Table 3**.

The permissible angular misalignment for V-ring seals is approximately  $1.5^\circ$  for a 50 mm shaft decreasing to approximately  $1^\circ$  for a shaft diameter of 150 mm and above. The axial movement of the shaft relative to the housing is limited to  $\pm 1$  mm for shaft diameters up to 65 mm and to approximately  $\pm 1.2$  mm for larger shaft diameters.

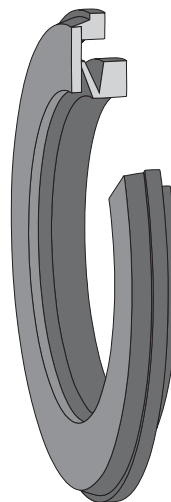
The V-ring seals are always supplied in packs of two seals. When housings are used at shaft ends, i.e. with one end cover, one of the seals will be left over and can be kept as a spare. The V-ring seals are identified by the designation prefix TSN followed by the size identification and the suffix A, e.g. TSN 511 A.

Figure 1



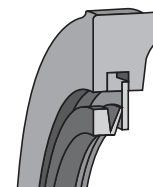
Double-lip seal

Figure 2

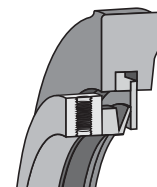


V-ring seal

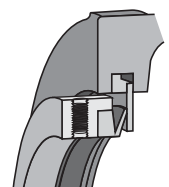
Location of V-ring



Peripheral speed 7 m/s



Peripheral speed  
7 to 12 m/s



Peripheral speed  
above 7 m/s

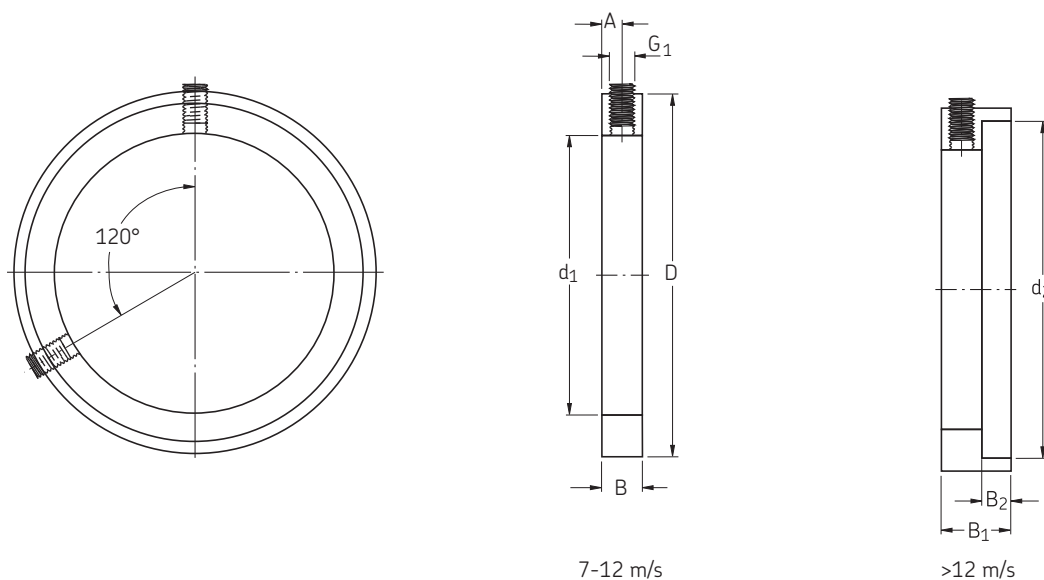


Table 3

Recommended dimensions for support rings for V-ring seals

Shaft diameter $d_a, d_b$	Dimensions						Grub screw to $G_1$	V-ring Designation DIN 913		
	$d_1$	$d_2$	B	$B_1$	$B_2$	D				
mm	mm						-	-		
20	20	27.2	5	8.5	3.5	30	2.5	M3	3 × 5	CR 400200
25	25	32.1	5	8.5	3.5	35	2.5	M3	3 × 5	CR 400250
30	30	37.2	5	8.5	3.5	40	2.5	M3	3 × 5	CR 400300
35	35	42.2	5	8.5	3.5	45	2.5	M3	3 × 5	CR 400350
40	40	49.1	7	11.5	4.5	53	3.5	M4	4 × 5	CR 400400
45	45	54	7	11.5	4.5	58	3.5	M4	4 × 5	CR 400450
50	50	59.1	7	11.5	4.5	63	3.5	M4	4 × 5	CR 400500
55	55	64.1	7	11.5	4.5	68	3.5	M4	4 × 5	CR 400550
60	60	69.1	7	11.5	4.5	73	3.5	M4	4 × 5	CR 400600
65	65	74.1	7	11.5	4.5	78	3.5	M4	4 × 5	CR 400650
70	70	81	9	15	6	84	4.5	M5	5 × 6	CR 400700
75	75	86	9	15	6	89.5	4.5	M5	5 × 6	CR 400750
80	80	91	9	15	6	94.5	4.5	M5	5 × 6	CR 400800
85	85	96	9	15	6	100	4.5	M5	5 × 6	CR 400850
90	90	101	9	15	6	105	4.5	M5	5 × 6	CR 400900
95	95	106	9	15	6	109	4.5	M5	5 × 6	CR 400950
100	100	111	9	15	6	115	4.5	M5	5 × 6	CR 401000
110	110	122.9	10	7.5	7.5	128	5	M6	6 × 8	CR 401100
115	115	127.4	10	17.5	7.5	133	5	M6	6 × 8	CR 401100
125	125	138.1	10	17.5	7.5	143	5	M6	6 × 8	CR 401300
135	135	147.5	10	17.5	7.5	153	5	M6	6 × 8	CR 401300
140	140	152.9	10	17.5	7.5	158	5	M6	6 × 8	CR 401400
145	145	158.1	10	17.5	7.5	163	5	M6	6 × 8	CR 401500
155	155	167.5	10	18.5	8.5	173	5	M6	6 × 8	CR 401500
165	165	179.9	10	18.5	8.5	185.5	5	M6	6 × 8	CR 401700
175	175	189.3	10	18.5	8.5	195	5	M6	6 × 8	CR 401700

## Seals

### Felt ring seals

Felt ring seals (**Figure 3**) are simple but efficient seals for use with grease lubrication. They can be operated at peripheral speeds up to 13 ft/sec (4 m/sec). The seals can be used at much higher speeds but at high speeds a small gap will be formed between the felt and the shaft and the seal becomes a non-rubbing gap-type seal. For plummer block housings with bearings on adapter sleeves on cylindrical shafts the felt ring seals are split. The impregnated felt is inserted in light alloy half-rings. It is only necessary to insert the seals in the grooves in the housing. The rubber O-section cords should be put into the grooves first as they prevent the seal rings from turning.

SNL plummer block housings for bearings mounted on cylindrical seatings on stepped shafts, sizes 205 to 218 inclusive, can also be supplied with felt seals. In this case the seals consist of loose felt strips, which can be inserted in the sealing grooves. Before mounting, the FS felt strips should be left to soak for a few minutes in hot oil.

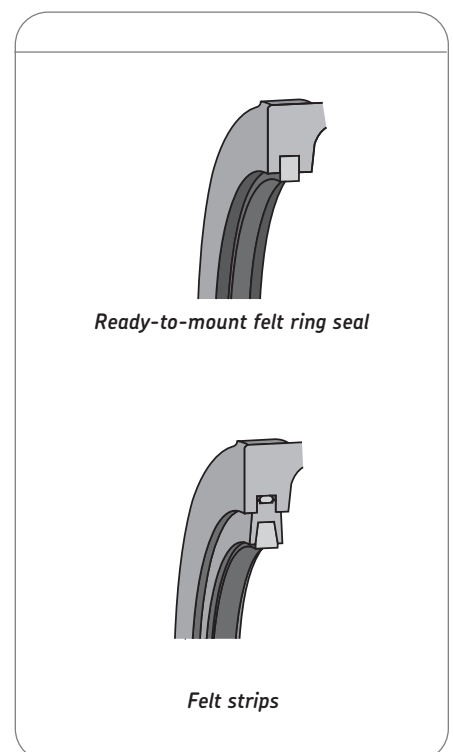
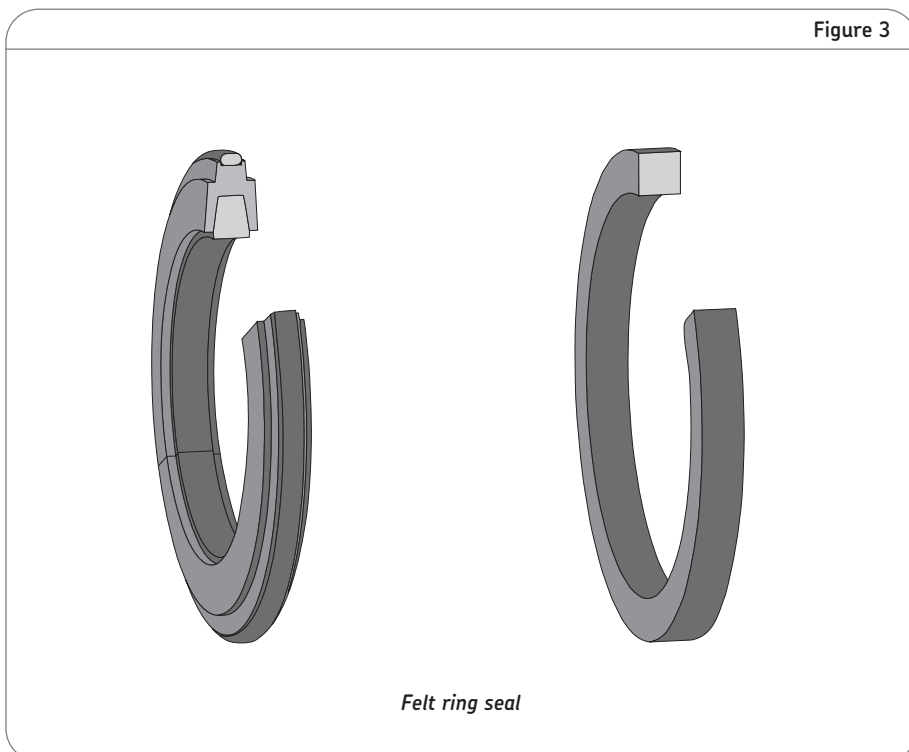
For applications with spherical roller bearings or CARB bearings, which are to operate at continuously high temperatures up to approximately 482° F (+250° C), SKF graphited FSB sealing strips, made of aluminum boron silicate, can be used. They are suitable for peripheral speeds up to 6.5 ft/sec (2 m/sec). The strips have been well proven as seals on autoclave trucks.

The permissible angular misalignment is approximately 0.5°. The seal counterface on the shaft should be ground and the surface roughness  $R_a$  should not exceed 126  $\mu\text{in}$  (3.2  $\mu\text{m}$ ).

The axial movement of the shaft relative to the housing is not limited when felt seals are used.

The ready-to-mount felt ring seals (in light alloy half-rings) are always supplied in packs of two seals. When housings are used at shaft ends, i.e. with one end cover, one of the seals will be left over and can be kept as a spare. The felt ring seals are identified by the designation prefix TSN followed by the size identification and the suffix C, e.g. TSN 511 C.

The felt ring seals can also be supplied with an FSB insert. The rubber O-section cords are replaced by fluoro rubber O-section cords. These seals are identified by the suffix CB, e.g. TSN 511 CB.





### Labyrinth seals

Under difficult operating conditions and/or at high speeds the use of labyrinth seals (**Figure 4**) is recommended. The labyrinth rings are made of steel and have two radially arranged labyrinth steps, which form a narrow sealing gap with the housing grooves.

Hollow O-ring cords of silicone rubber (supplied with the seals) allows the labyrinth rings, which are mounted with a loose fit, to rotate with the shaft. Angular misalignments of the shaft up to approximately  $0.3^\circ$  are permissible. The operating temperature range for the labyrinth seals is  $-58^\circ$  to  $+392^\circ$  F ( $-50^\circ$  to  $+200^\circ$  C).

When labyrinth seals are used, axial movement of the shaft relative to the housing is not limited. The recommended shaft tolerance is h9.

The labyrinth seals are supplied singly. For bearing arrangements for through shafts it is therefore necessary to order two rings. The labyrinth seal is identified by the prefix TSN followed by the size identification and the suffix S, e.g. TSN 511 S.

### Taconite heavy-duty seals

Taconite is a very fine-grained mineral which is extremely difficult to seal out. For bearing arrangements, which must operate under very arduous conditions (such as those encountered in mining), labyrinth seals, which can be relubricated, are recommended; grease enhances the sealing effect and extends the serviceability of the seals. SKF has developed two different designs of these heavy-duty seals (which can seal out taconite, hence the name) which can be supplied for use with SNL housings.

The one taconite seal design (**Figure 5**) is based on a radial labyrinth seal and fits the standard housings. A V-ring seal mounted on the shaft seals against the non-rotating part of the seal, which is inserted in the seal groove and prevents contaminants from penetrating the bearing when the seal is relubricated. This grease is supplied via a grease nipple in the non-rotating part of the seal. Angular misalignments of the shaft of up to approximately  $0.5^\circ$  are possible. The permissible operating temperature range for the seal is between  $-40^\circ$  to  $+212^\circ$  F ( $-40^\circ$  and  $+100^\circ$  C).

The axial movement of the shaft relative to the housing is limited for this type of taconite seal to  $\pm 1$  mm for shaft diameters up to 65 mm and to approximately  $\pm 1.2$  mm for sizes up to 100 mm and  $\pm 1.5$  mm for larger shaft diameters. The recommended shaft tolerance is h9.

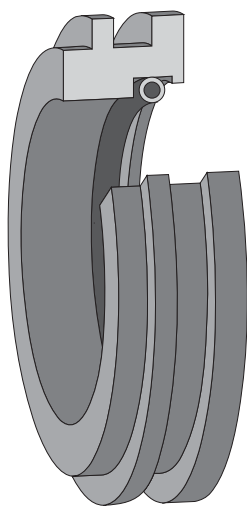
These seals are supplied singly so that for housings used on through shafts, it is necessary to order two seals. The seal is identified by the prefix TSN followed by the size identification and the suffix ND, e.g. TSN 511 ND.

The other design of taconite seal (**Figure 6**) is based on a labyrinth seal with the labyrinth stages arranged axially and does not fit the standard housings. The seal is relubricated via lubrication holes and nipples in the housing cap. The positions for the holes are marked by dimples in the casting. The permissible misalignment of the shaft relative to the housing for this seal is approximately  $0.5^\circ$ . The operating temperature range is from  $-40^\circ$  to  $+482^\circ$  F ( $-40^\circ$  to  $+250^\circ$  C). Axial movement of the shaft relative to the housing is also limited. The recommended shaft tolerance is h9.

The modified SNL housings are always supplied together with the seals and are available from size 515-612. The housings with seals are identified by the designation suffix TNC, e.g. SNL 515 TNC or SNL 612 TNC. A housing intended for a shaft end with one seal and one end cover is identified by an additional suffix A, e.g. SNL 515 ATNC. The seal itself is designated TSN .. NC.

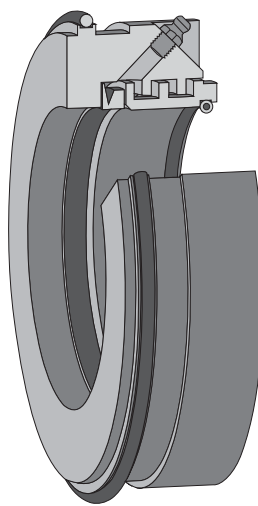
A variant of the TNC seal with an additional V-ring can also be supplied. The seal is identified by the letters TNB and can be supplied to order.

Figure 4



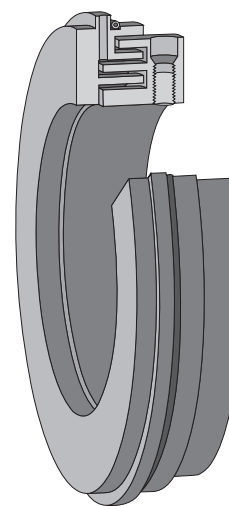
Labyrinth seal

Figure 5



Taconite heavy-duty seal

Figure 6



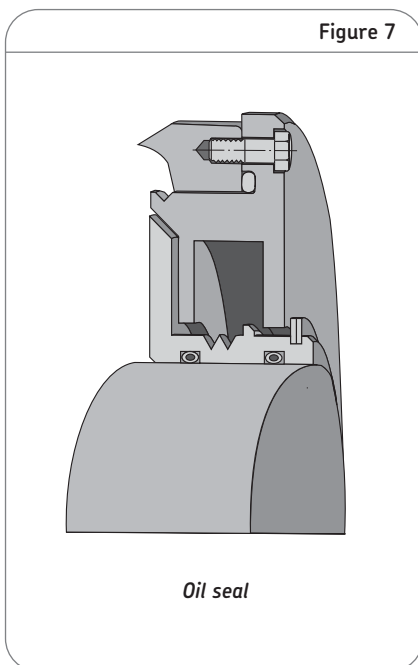
Taconite heavy-duty seal

## Seals

### Seals for oil lubrication

Special seals (oil seals) are required to prevent oil from escaping from the housing when oil lubrication is applied. For SNL housings, SKF has developed the non-rubbing seal of the U design (Figure 7). These U seals also require modified housings and comprise two parts: one that is stationary and is screwed to the housing and the other that is mounted on the shaft and rotates. A hollow O-ring cord of silicone rubber inserted between the labyrinth ring and the shaft allows the ring, which is mounted with a loose fit, to rotate with the shaft, and oil cannot escape along the shaft. These oil seals do not limit axial movement of the shaft relative to the housing. The recommended shaft tolerance is h9.

The modified SNL housing is supplied together with the seals as a unit. The housings with seals are identified by the suffix TURU, e.g. SNL 524 TURU. Special end covers can be supplied separately on request, designation ASNH .. R.



### Special seals

Applications where, for some reason, the standard seals cannot be used, **must** be fitted with special seals. The SNL housings can be supplied without seals for such applications and are relatively easy to equip with special seals. It is recommended that housings of series SNL 2 are used rather than those of series SNL 5-6 as they have a comparatively larger bore at the shaft entrance. There is therefore more room to accommodate a seal, so that there are more choices for seal design.

Special seals are not normally supplied by SKF. Therefore, the relevant housing dimensions are given in Table 4.

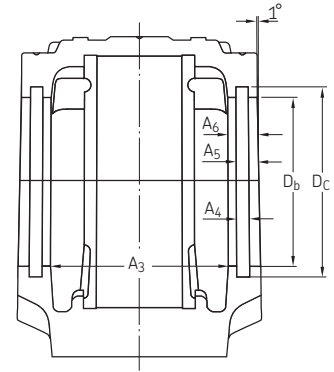


Table 4

Sealing groove dimensions						
Housing Size	Dimensions					
	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	D <sub>b</sub>	D <sub>c</sub>
–	mm					
SNL 205	44	5	7.5	10	36.5	44.5
SNL 206-305	54	5	7.5	10	46.5	54.5
SNL 207	58	5	8	11	56.5	64.5
SNL 208-307	61	5	8	11	62	70.5
SNL 209	59	5	9	12	67	75.5
SNL 210	64	5	9	12	72	80.5
SNL 211	69	5	9	12	77	85.5
SNL 212	79	5	9	12	87	95.5
SNL 213	82	5	9	13	92.5	101
SNL 215	87	5	9	13	102.5	111
SNL 216	92	5	9	13	108	116.5
SNL 217	97	5	9	13	112	120.5
SNL 218	112	5	9	13	120	128.5
SNL 505	45	5	7.5	10	31.5	39.5
SNL 506-605	55	5	7.5	10	36.5	44.5
SNL 507-606	59	5	8	11	46.5	54.5
SNL 508-607	62	5	8	11	51.5	59.5
SNL 509	60	5	9	12	56.5	64.5
SNL 510-608	65	5	9	12	62	70.5
SNL 511-609	70	5	9	12	67	75.5
SNL 512-610	80	5	9	12	72	80.5
SNL 513-611	83	5	9	13	77	85.5
SNL 515-612	88	5	9	13	87	95.5
SNL 516-613	93	5	9	13	92.5	101
SNL 517	98	5	9	13	97.5	106
SNL 518-615	113	5	9	13	102.5	111
SNL 519-616	116	6	10	14	131	141
SNL 520-617	131	6	10	14	137.5	147.5
SNL 522-619	143	6	10	14	147.5	157.5
SNL 524-620	151	6	11	15	157.5	167.5
SNL 526	156	6	11	15	167.5	177.5
SNL 528	171	6	11	15	177.5	187.5
SNL 530	189	6	11	15	192.5	202.5
SNL 532	201	6	11	15	202.5	212.5

## End covers

For housings mounted at the ends of shafts, the one opening should be fitted with an end cover, which fits into the seal groove (Figure 8). Details of the permissible length of the shaft end can be found in Table 5. The end covers are of plastic and are suitable for operating temperatures in the range  $-40^{\circ}$  to  $+230^{\circ}$  F ( $-40^{\circ}$  to  $+110^{\circ}$  C).

At higher temperatures sheet steel end covers should be used instead. These can be cut out from steel sheets and should be inserted with a hollow O-ring cord of silicone rubber in the seal groove in the housing. The relevant seal groove dimensions are given in Table 4. The standard end cover of plastic is designated by the prefix ASNH followed by the housing size identification, e.g. ASNH 511-609.

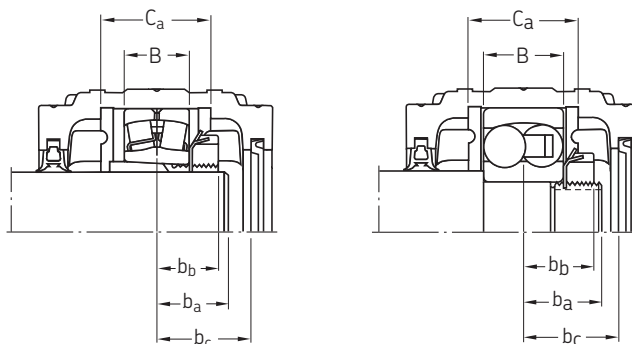
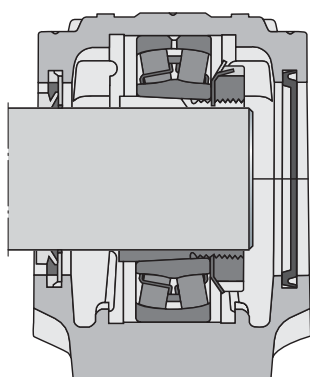


Figure 8



Housing with end cover

Table 5

### Permissible length of shaft end

Housing Size	Dimensions			Widest bearing to fit housing Designation	Dimensions	
	$b_a^{1)}$	$b_c$	$C_a$		B	$b_b$
–	mm			–	mm	
SNL 205	18	24	25	22205 CC/W33	18	17
SNL 206-305	20	29	32	22206 CC/W33	20	18
SNL 207	23	32	34	22207 CC/W33	23	20.5
SNL 208-307	26 (22)	33	39	22208 E	23	21.5
SNL 209	25	32	30	22209 CC/W33	23	22.5
SNL 210	28 (24)	35	41	22210 CC/W33	23	23.5
SNL 211	30 (25)	37	44	22211 E	25	25
SNL 212	33 (26)	42	48	22212 E	28	27
SNL 213	35 (30)	45	51	22213 CC/W33	31	29.5
SNL 215	37 (30)	47	56	22215 E	31	30.5
SNL 216	39 (33)	50	58	22216 E	33	33.5
SNL 217	40 (35)	52	61	22217 E	36	36
SNL 218	45 (35)	60	65	23218 CC/W33	52.4	44.2
SNL 505	18	24	25	22205 CCK/W33	18	17
SNL 506-605	20	29	32	2305 EK	24	19
SNL 507-606	23	32	34	2306 K	27	21.5
SNL 508-607	26 (22)	33	39	2307 EK	31	24.5
SNL 509	25	32	30	22209 CCK/W33	23	22.5
SNL 510-608	28 (24)	35	41	22308 CCK/W33	33	26.5
SNL 511-609	30 (25)	37	44	22309 CCK/W33	36	29
SNL 512-610	33 (26)	42	48	22310 EK	40	32
SNL 513-611	35 (30)	45	51	22311 EK	43	33.5
SNL 515-612	37 (30)	47	56	22312 EK	46	36
SNL 516-613	39 (33)	50	58	22313 EK	48	38
SNL 517	40 (35)	52	61	22217 EK	36	36
SNL 518-615	45 (35)	60	65	22315 EK	55	42.5
SNL 519-616	47 (40)	61	68	22316 EK	58	46
SNL 520-617	51 (45)	69	70	23220 CCK/W33	60.3	50.2
SNL 522-619	61	75	80	23222 CCK/W33	69.8	55.9
SNL 524-620	65	79	86	23224 CCK/W33	76	60
SNL 526	65	81	90	23226 CCK/W33	80	63
SNL 528	70	89	98	23228 CCK/W33	88	68
SNL 530	80	98	106	23230 CCK/W33	96	74
SNL 532	85	104	114	23232 CCK/W33	104	80

<sup>1)</sup> The dimension  $b_a$  is determined to suit all appropriate bearings with two exceptions:

1. With self-aligning ball bearings of series 12 where the total bearing seating width must be available, the values given in brackets apply.
2. For non-locating arrangements with the widest bearings, as listed above, which are not mounted centrally in the housing, the value of  $b_a$  must be either correspondingly reduced or correspondingly increased.

## Locating rings

### Locating rings

The bearing seating in the housing is sufficiently wide to enable the bearing to be displaced axially. The locating or held bearing **must** always be fixed axially in position in the housing bore by locating rings at both sides (Figure 9).

CARB bearings are non-locating bearings and cannot take axial loads. Since axial displacement is accommodated within a CARB bearing (together with any misalignment), it is necessary to locate the outer ring axially in its seating by inserting a locating ring at each side of the bearing.

The locating rings are identified by the prefix FRB followed by figures giving the width/outside diameter in millimeters, e.g. FRB 11.5/100.

### Axial displacement of CARB bearings in SNL housings

The permissible axial displacement in a CARB bearing is dependent on the clearance remaining in the bearing after mounting: the larger the residual radial internal clearance, the larger the permissible axial displacement of one ring with respect to the other. This axial displacement reduces the clearance in the bearing until at a given displacement, the clearance disappears altogether or the rollers may start to be exposed at one side of the bearing.

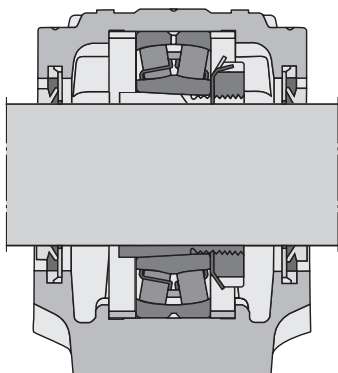
Table 6 shows the maximum permissible axial displacement for each CARB bearing having Normal initial radial internal clearance when mounted normally. It is assumed that there is little difference in temperature between inner and outer ring.

When the rings are displaced a certain distance, the roller and cage assembly will move through half this distance. If the inner ring moves into the bearing, or alternatively, if the outer ring moves out from the bearing, the roller and cage assembly can contact the lock nut and locking washer. For bearings of series C 22 K up to and including size 22, therefore, a special adapter sleeve with a narrow slot and a self-locking KMFE nut **must** be used to prevent this from happening (Figure 10). Such sleeves are supplied by SKF and identified by suffix E, e.g. H 311 E.

For bearings of series C 22 K and C 32 K, from size 24 and above, the adapter sleeves are supplied together with a KML nut, indicated by suffix L in the sleeve designation, e.g. H 2324 L.

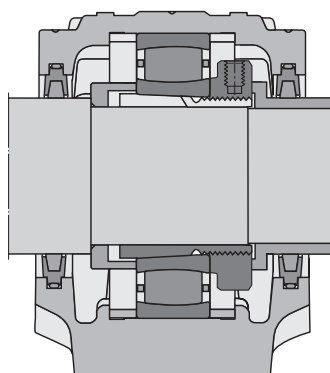
It should be observed that the possible axial displacement of the shaft relative to the housing may be limited by the type of seal used.

Figure 9



Housing with locating rings at both sides of bearing

Figure 10



CARB bearing on adapter sleeve with spacer ring between bearing inner ring and lock nut

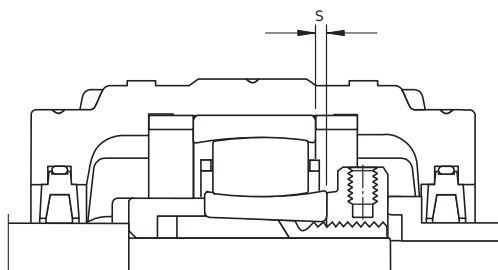


Table 6

## Axial displacement for mounted CARB bearings

Bearing	Housing Size	Axial displacement $s^{1)}$ for mounted CARB bearings with initial radial internal clearance Normal
–	–	mm
C 2205 K	SNL 505	2.3
C 2206 K	SNL 506-605	2.3
C 2207 K	SNL 507-606	2.8
C 2208 K	SNL 508-607	2.7
C 2209 K	SNL 509	3.1
C 2210 K	SNL 510-508	2.9
C 2211 K	SNL 511-609	3.5
C 2212 K	SNL 512-610	3.6
C 2213 K	SNL 513-611	3.7
C 2215 K	SNL 515-612	4.4
C 2315 K	SNL 518-615	5.9
C 2216 K	SNL 516-613	4.4
C 2316 K	SNL 519-616	5.7
C 2217 K	SNL 517	5.1
C 2317 K	SNL 520-617	6.5
C 2218 K	SNL 518-615	5.2
C 2220 K	SNL 520-617	5.4
C 2320 K	SNL 524-620	6.8
C 2222 K	SNL 522-619	6.7
C 3224 K	SNL 524	7.8
C 2226 K	SNL 526	8.0
C 2228 K	SNL 528	8.0
C 2230 K	SNL 530	9.3
C 3232 K	SNL 532	10.5

<sup>1)</sup> $s$  is the maximum permissible displacement of one ring with respect to the other in one direction; the total axial displacement is twice as large.

## Lubrication

### Lubrication

SNL plummer block housings are designed so that the bearings can be lubricated with grease or oil, although grease lubrication is generally preferable. The lubricant should be selected with reference to the operating conditions.

#### Grease lubrication

In the majority of applications, the amount of grease applied to the SNL housings when mounting (initial fill) or after an inspection is adequate until the next planned inspection.

Certain operating conditions, e.g. high speeds, high temperatures or heavy loads, may mean that more frequent relubrication is necessary.

**Table 7** gives guideline values for the grease

quantities to be applied for the initial fill and for relubrication. Seven markings will be found on the housing cap of which six show where holes can be drilled and tapped to take grease nipples.

There is also a drilled and tapped hole for the grease nipple AH 1/8-27 PTF, which is supplied with the housing. This hole is closed by a plastic plug. The two markings at the outer sides of the central ridge indicate the position for lubrication holes for the seals.

It is recommended that spherical roller bearings having a lubrication groove and three holes in the outer ring (designation suffix E or W33) be lubricated via this feature (**Figure 11**). A hole should be drilled at one of the middle markings on the three bars for this purpose. SNL housings having a drilled and tapped hole in the middle of the cap together with a lubrication nipple and can be supplied on request. They are identified by the designation suffix NM, e.g. SNL 511-609 NM.

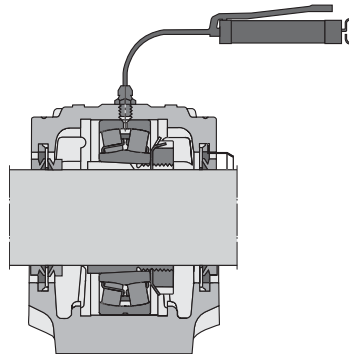
Table 7

#### Grease quantities

Housing Size	Grease quantities	
	First fill <sup>1)</sup>	Relubrication
–	g	
SNL 205	25	5
SNL 206-305	40	5
SNL 207	50	10
SNL 208-307	60	10
SNL 209	65	10
SNL 210	75	10
SNL 211	100	15
SNL 212	150	15
SNL 213	180	20
SNL 215	230	20
SNL 216	280	25
SNL 217	330	25
SNL 218	430	40
SNL 505	25	5
SNL 506-605	40	5
SNL 507-606	50	10
SNL 508-607	60	10
SNL 509	65	10
SNL 510-608	75	10
SNL 511-609	100	15
SNL 512-610	150	15
SNL 513-611	180	20
SNL 515-612	230	20
SNL 516-613	280	25
SNL 517	330	25
SNL 518-615	430	40
SNL 519-616	480	50
SNL 520-617	630	55
SNL 522-619	850	70
SNL 524-620	1 000	80
SNL 526	1 100	95
SNL 528	1 400	110
SNL 530	1 700	130
SNL 532	2 000	150

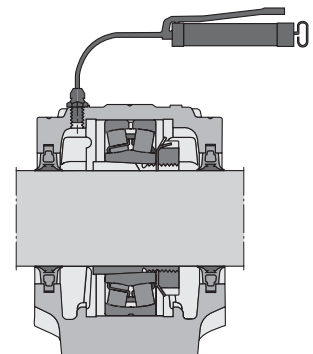
<sup>1)</sup> Fills approximately 40% of the free space in the housing.

Figure 11



Lubricating the bearing via the outer ring

Figure 12



Bearing lubrication via the standard nipple

It should be noted that when spherical roller bearings are to be relubricated via the outer ring, they should be rotated. If outer ring relubrication is not possible or if self-aligning ball bearings or CARB bearings are used, the standard grease nipple supplied with the housing should be inserted in the hole provided and used for this purpose (Figure 12). If it is desired to use a grease nipple other than that supplied with the housing, adapters are available which make a reworking of the available drilled and tapped hole unnecessary.

Where V-ring seals are used, the effectiveness of relubrication can be much improved if an additional V-ring is mounted inside the housing at the side where the grease is applied, so that grease can only exit at the opposite side of the housing. For this purpose a set comprising a V-ring and a splash plate, which covers a sector of more than 180° (Figure 13), can be supplied. This V-ring and splash plate set is designated by the prefix ASNA followed by the housing size identification and the suffix V, e.g. ASNA 511 V.

Where the bearings are mounted on adapter sleeves, the grease should be introduced at the side opposite to the lock nut of the sleeve. Where housings are mounted at shaft ends, grease should be applied at the end cover side.

Where G- or C-design seals are used, it should be noted that grease cannot escape via the seals. If frequent relubrication is required when such seals are used, it is advisable to provide the housing with a grease escape hole (Figure 14) through which excess grease can escape. Recommended dimensions will be found in Table 8. SNL housings with a grease escape hole in the base can be supplied. This housing design is identified by the suffix V, e.g. SNL 511-609 V.

If housings fitted with the G-design double-lip seals are periodically relubricated, the seals can only be operated at peripheral speeds up to 13 ft/sec (4 m/sec) as otherwise the sealing lips may overheat and wear.

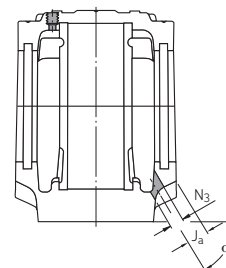
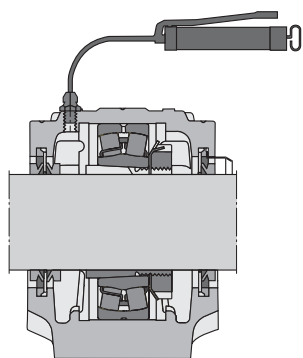
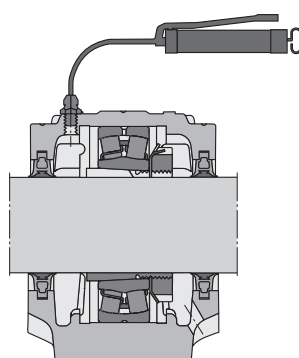


Figure 13



Housing with additional V-ring and splash plate

Figure 14



Housing with grease escape hole

Table 8

### Recommended dimensions for grease escape hole

Housing Size	Dimensions		$\alpha$
	$J_a$	$N_3$	
–	mm		degrees
SNL 205	8.5	10	45
SNL 206-305	10	10	45
SNL 207	10	10	45
SNL 208-307	9	10	45
SNL 209	10	10	45
SNL 210	11	10	45
SNL 211	10	12	45
SNL 212	9	12	45
SNL 213	13	12	45
SNL 215	12.5	12	45
SNL 216	14	16	45
SNL 217	17	16	45
SNL 218	20	16	40
SNL 505	8.5	10	45
SNL 506-605	10	10	45
SNL 507-606	10	10	45
SNL 508-607	9	10	45
SNL 509	10	10	45
SNL 510-608	11	10	45
SNL 511-609	10	12	45
SNL 512-610	9	12	45
SNL 513-611	13	12	45
SNL 515-612	12.5	12	45
SNL 516-613	14	16	45
SNL 517	17	16	45
SNL 518-615	20	16	40
SNL 519-616	20	16	50
SNL 520-617	21	16	50
SNL 522-619	21	20	50
SNL 524-620	24	20	55
SNL 526	22	20	55
SNL 528	23	20	50
SNL 530	25	20	55
SNL 532	25	20	60

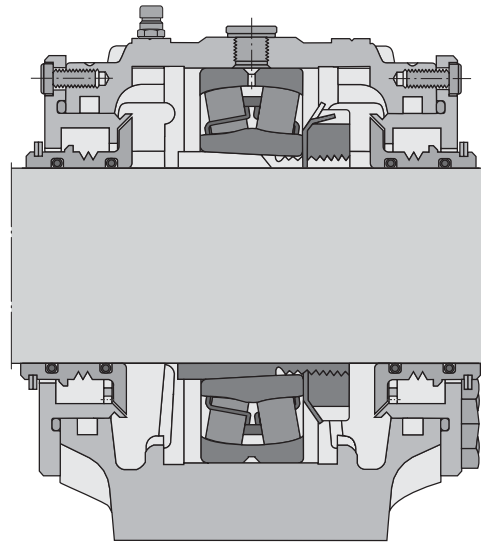
The dimensions are those recommended when the standard grease nipple AH 1/8-27 PTF is used (supplied with the housing) but can also be applied if nipples having threads R 1/8, KR 1/8 or M 10×1 are used. An adapter is available, which fits the SNL standard lubrication hole, designation LAPN 1/8. Using this adapter nipple with thread G 1/4 and grease dispensers, e.g. SKF SYSTEM 24, can be applied.

## Lubrication

### Oil lubrication

The new SNL housings can be used for oil lubrication at relatively high speeds. When using oil, however, the specially developed U-design seals should be incorporated to avoid oil loss from the housing. These seals are described on page 450. In order for these seals to be used, the housing must be modified so that SNL housings for oil lubrication are only supplied complete with seals.

Figure 15



Housing for oil lubrication

Table 1

Recommended oil levels for SNL..TURU plummer blocks of series 5(00)  
For series 3(00) and 6(00) please contact SKF Applications Engineering

Housing Designation	Oil level for bearings of series									
	12		22		232		222		C 22	
	min	max	min	max	min	max	min	max	min	max
–	mm									
SNL 511 TURU	27	31	27	32			27	31	28	32
SNL 512 TURU	23	27	22	28			23	27	23	26
SNL 513 TURU	29	33	28	34			28	33	29	34
SNL 515 TURU	24	29	23	29			23	28	24	29
SNL 516 TURU	34	39	33	40			33	39	34	39
SNL 517 TURU	30	36	30	36			29	35	30	36
SNL 518 TURU	31	38	31	38	33	37	30	37	30	36
SNL 519 TURU	38	45	38	46			38	45		
SNL 520 TURU	34	42	34	42	37	42	33	41	35	43
SNL 522 TURU	39	47	38	48	42	47	37	46	39	48
SNL 524 TURU	47	57			50	55	46	55		
SNL 526 TURU					54	59	50	59	52	62
SNL 528 TURU					46	52	44	52	40	51
SNL 530 TURU					48	54	45	54	44	57
SNL 532 TURU					50	57	47	57		

The oil level is measured from the base of the housing. Mark the min and max level on the sight glass.



## Mounting

SNL housings together with SKF bearings are robust and operationally reliable bearing arrangements which have long lives. However, if they are to achieve their full potential and not fail prematurely, they must be properly mounted. **Incorrect procedures or unsuitable tools can influence life negatively.**

### Mounting the bearing

The bearings can be mounted either on a tapered seating – normally for SNL housings in the form of an adapter sleeve – or on a cylindrical seating. When a bearing is correctly mounted on a sleeve, there will be interference fits between the inner ring, sleeve and shaft. The degree of interference is determined by how far the bearing is driven up on the sleeve and either the internal clearance reduction or the axial drive-up distance can be used as a measure. The clearance reduction in spherical roller bearings can be measured using a feeler gauge, or the new SKF drive-up method can be used.

When mounting self-aligning ball bearings having Normal radial internal clearance (which is relatively small) the clearance reduction can be checked by turning and swivelling out the outer ring. When the swivelling out meets a slight resistance, the bearing has a sufficient degree of interference and the drive-up should be stopped. A particularly simple method of mounting self-aligning ball bearings on adapter sleeves is the use of the spanner set TMHN 7, which has been specially developed for this purpose. Each spanner is marked with the angle to which the lock nut should be turned when self-aligning ball bearings having C3 radial internal clearance are used.

CARB bearings can also be mounted on cylindrical as well as tapered seatings. For tapered seatings, adapter sleeves are normally employed; the spanner set TMHN 7 can be used for smaller CARB bearings as well as for self-aligning ball bearings. For larger CARB bearings either the clearance reduction or the axial drive-up length should be measured. When using a feeler gauge to measure clearance reduction, it is important that the inner and outer rings of the bearing are not displaced with respect to each other. The new SKF drive-up method can also be applied.

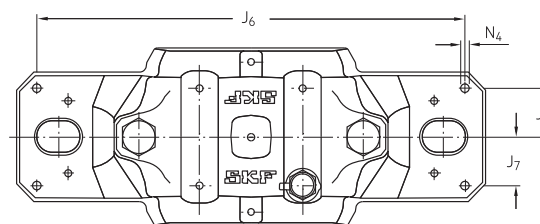


Table 10

### Position and size of dowel holes

Housing Size	Dimensions		$N_4$ max	Housing Size	Dimensions		$N_4$ max
	$J_6$	$J_7$			$J_6$	$J_7$	
–	mm		–	mm		–	–
SNL 205	152	16	5	SNL 511-609	234	27	8
SNL 206-305	172	19	5	SNL 512-610	234	27	8
SNL 207	172	19	5	SNL 513-611	252	29	8
SNL 208-307	188	22	6	SNL 515-612	257	29	8
SNL 209	188	22	6	SNL 516-613	288	33	8
SNL 210	188	22	6	SNL 517	292	33	8
SNL 211	234	27	8	SNL 518-615	317	35	8
SNL 212	234	27	8	SNL 519-616	317	35	8
SNL 213	252	29	8	SNL 520-617	348	39	8
SNL 215	257	29	8	SNL 522-619	378	44	8
SNL 216	288	33	8	SNL 524-620	378	44	8
SNL 217	292	33	8	SNL 526	414	46	12
SNL 218	317	35	8				
SNL 505	152	16	5	SNL 528	458	54	12
SNL 506-605	172	19	5	SNL 530	486	58	12
SNL 507-606	172	19	5	SNL 532	506	58	12
SNL 508-607	188	22	6				
SNL 509	188	22	6				
SNL 510-608	188	22	6				

Bearings with cylindrical bore are normally mounted with an interference fit on the shaft. Appropriate shaft tolerances should be selected. The recommendations applying to self-aligning ball and spherical roller bearings also apply to CARB bearings.

### Support surface for housing base

To guarantee long bearing service life it is recommended that the support surface for the housing is finished to  $R_a \leq 492 \mu\text{in}$  (12.5  $\mu\text{m}$ ). The flatness tolerance should be to IT7. For moderate demands IT8 may be satisfactory.

### Dowel pins

SNL housings are designed for loads acting vertically to the housing base support. If they are to be subjected to moderate or heavy loads acting parallel to the base support, a stop should be provided, or the housing should be pinned to its support. Recommendations for the position and size of holes to take dowel pins are given in Table 10.

## Mounting

### Housings with four bolt holes in base

For the attachment of SNL housings to T-shaped beams, it is possible to drill four bolt holes in the base. The appropriate positions are indicated by dimples. Recommended dimensions are given in **Table 11**.

Some housings which are already prepared for four-bolt mounting can be supplied. These housings are also prepared for relubrication of the bearing via the outer ring (suffix NM) as standard. Available sizes are shown in **Table 12**. The housings are designated FSNL .. NM, e.g. FSNL 511-609 NM.

### Attachment bolts

It is recommended that hexagon-headed bolts to strength class 8.8 according to ISO 4014:1999 be used. If the load does not act vertically to the base, it may be necessary to use stronger, class 10.9 bolts. Details of the appropriate tightening torques for the bolts to class 8.8 are given in **Table 14** on page 461.

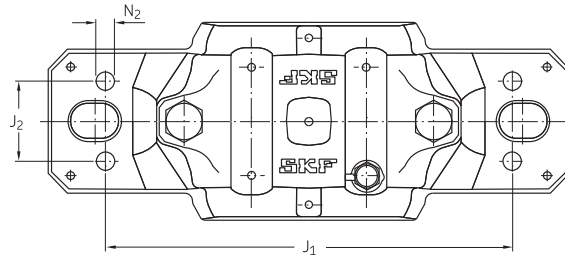
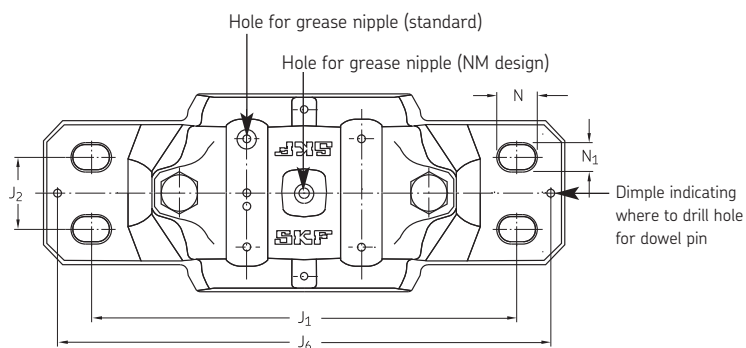


Table 11

### Bolt hole dimensions

Housing Size	Dimensions			Appropriate bolt size
	J <sub>1</sub>	J <sub>2</sub>	N <sub>2</sub>	
–	mm			mm
SNL 208-307	160	34	11	M 10
SNL 209	160	34	11	M 10
SNL 210	160	34	11	M 10
SNL 211	200	40	14	M 12
SNL 212	200	40	14	M 12
SNL 213	220	48	14	M 12
SNL 215	220	48	14	M 12
SNL 216	252	52	18	M 16
SNL 217	252	52	18	M 16
SNL 218	280	58	18	M 16
SNL 508-607	160	34	11	M 10
SNL 509	160	34	11	M 10
SNL 510-608	160	34	11	M 10
SNL 511-609	200	40	14	M 12
SNL 512-610	200	40	14	M 12
SNL 513-611	220	48	14	M 12
SNL 515-612	220	48	14	M 12
SNL 516-613	252	52	18	M 16
SNL 517	252	52	18	M 16
SNL 518-615	280	58	18	M 16
SNL 519-616	280	58	18	M 16
SNL 520-617	300	66	18	M 16
SNL 522-619	320	74	18	M 16
SNL 524-620	330	74	18	M 16
SNL 526	370	80	22	M 20
SNL 528	400	92	26	M 24
SNL 530	430	100	26	M 24
SNL 532	450	100	26	M 24



**Table 12**

**Bolt hole dimensions**

Housing Size	Dimensions				
	N	N <sub>1</sub>	J <sub>1</sub>	J <sub>2</sub>	J <sub>6</sub>
–	mm				
FSNL 511-609 NM	20	15	210	35	234
FSNL 513-611 NM	20	15	230	40	252
FSNL 515-612 NM	20	15	230	40	257
FSNL 516-613 NM	24	18	260	50	288
FSNL 517 NM	24	18	260	50	292
FSNL 518-615 NM	24	18	290	50	317
FSNL 520-617 NM	24	18	320	60	348
FSNL 522-619 NM	24	18	350	70	378
FSNL 524-620 NM	24	18	350	70	378
FSNL 526 NM	28	22	380	70	414
FSNL 528 NM	32	26	420	80	458
FSNL 530 NM	32	26	450	90	486
FSNL 532 NM	32	26	470	90	506

## Load carrying ability

SNL plummer block housings are intended for loads acting vertically towards the base plate (support). If loads acting in other directions occur, checks should be made to ensure that the magnitude of the load is permissible for the housing, the bolts joining the housing cap and base, and for the attachment bolts.

### Load carrying ability of the housing

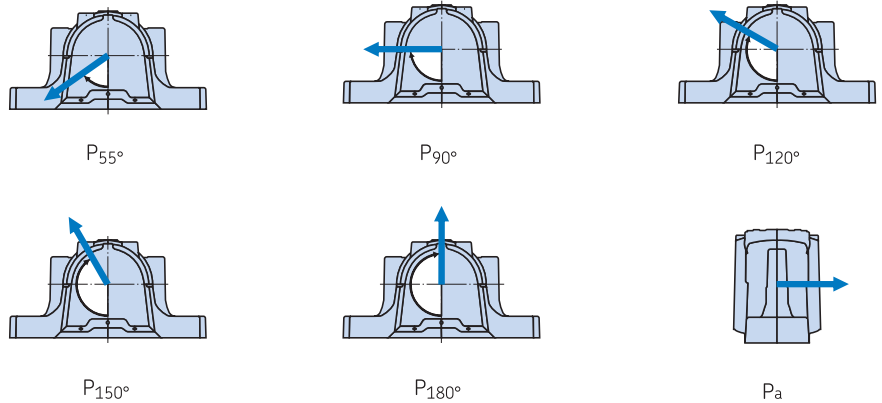
Guideline values for the breaking load  $P$  of the housing for various load directions are given in **Table 13**. Using these values and a safety factor selected with respect to the operating conditions, the permissible load for the housing can be calculated. In general engineering a safety factor of 6 is often used. For special purposes where extra strength and resistance to shock loads are required, SKF supplies as standard a range of dimensionally equivalent spheroidal graphite cast-iron housings. For housings made of spheroidal graphite cast-iron, the values for  $P$  obtained from **Table 13** should be multiplied by 1.8.

It is important for the load carrying ability of the housing that the bolts joining cap and base are properly tightened in accordance with the values given in **Table 14**. The axial load carrying capacity of the housing is approximately 65% of  $P_{180^\circ}$ . For load angles between  $55^\circ$  and  $120^\circ$  as well as for axial loads, if the load acting parallel to the base plate (support surface) exceeds 5% of  $P_{180^\circ}$ , the housing should be pinned to the support or a stop should be provided in the direction of the load.

### Load carrying ability of the bolts

SNL plummer block housings are supplied with cap bolts (to join cap and base) to strength class 8.8 as standard. The guideline values for the yield point  $Q$  for the cap bolts are given in **Table 14** for various load directions as well as the corresponding maximum radial loads  $F$ .

**IMPORTANT:** Refer to text for determination of permissible load

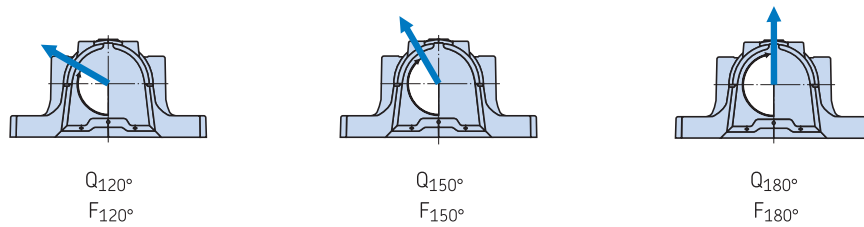


**Table 13**

**Breaking loads for SNL plummer block housings**

Housing Size	Breaking loads for SNL housing					
	$P_{55^\circ}$	$P_{90^\circ}$	$P_{120^\circ}$	$P_{150^\circ}$	$P_{180^\circ}$	$P_a$
–	kN*					
SNL 205	155	95	70	60	80	52
SNL 206-305	170	100	80	65	85	55
SNL 207	190	115	85	80	95	60
SNL 208-307	215	130	95	85	110	70
SNL 209	230	140	100	90	115	75
SNL 210	265	155	120	110	130	85
SNL 211	275	170	125	115	140	90
SNL 212	300	180	130	120	150	100
SNL 213	340	205	150	130	170	110
SNL 215	410	250	185	160	205	135
SNL 216	430	260	190	175	215	140
SNL 217	480	290	205	190	240	155
SNL 218	550	340	250	215	275	180
SNL 505	155	95	70	60	80	52
SNL 506-605	170	100	80	65	85	55
SNL 507-606	190	115	85	80	95	60
SNL 508-607	215	130	95	85	110	70
SNL 509	230	140	100	90	115	75
SNL 510-608	265	155	120	110	130	85
SNL 511-609	275	170	125	115	140	90
SNL 512-610	300	180	130	120	150	100
SNL 513-611	340	205	150	130	170	110
SNL 515-612	410	250	185	160	205	135
SNL 516-613	430	260	190	175	215	140
SNL 517	480	290	205	190	240	155
SNL 518-615	550	340	250	215	275	180
SNL 519-616	580	350	260	230	290	190
SNL 520-617	620	370	280	250	310	200
SNL 522-619	680	410	310	275	340	220
SNL 524-620	790	470	350	320	400	260
SNL 526	900	540	410	360	450	295
SNL 528	1 050	630	470	430	530	345
SNL 530	1 200	730	540	480	600	390
SNL 532	1 450	860	640	570	720	470

\* lbs = Kn x 225



**Table 14**

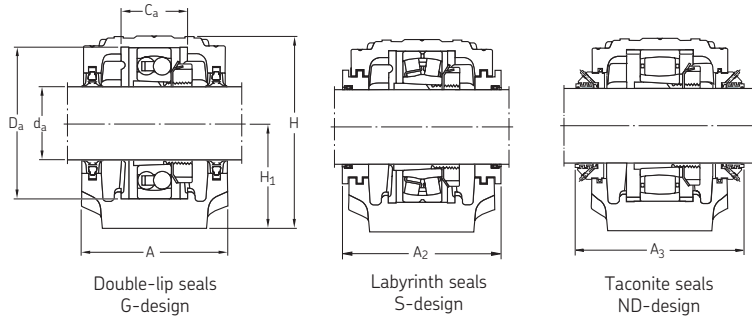
**Load carrying ability and tightening torque for cap bolts and attachment bolts**

Housing Size	Cap bolts			Maximum load for both bolts			Tightening torque	Designation	Attachment bolts	
	Yield point for both bolts								Size	Tightening torque
	Q <sub>120°</sub>	Q <sub>150°</sub>	Q <sub>180°</sub>	F <sub>120°</sub>	F <sub>150°</sub>	F <sub>180°</sub>				
–	kN <sup>1)</sup>			kN <sup>1)</sup>			Nm <sup>2)</sup>	–	–	Nm <sup>2)</sup>
SNL 205	150	85	75	50	30	25	50	M 10×40	M 12	90
SNL 206-305	150	85	75	50	30	25	50	M 10×40	M 12	90
SNL 207	150	85	75	50	30	25	50	M 10×50	M 12	90
SNL 208-307	150	85	75	50	30	25	50	M 10×50	M 12	90
SNL 209	150	85	75	50	30	25	50	M 10×50	M 12	90
SNL 210	150	85	75	50	30	25	50	M 10×55	M 12	90
SNL 211	220	125	110	80	45	40	80	M 12×60	M 16	220
SNL 212	220	125	110	80	45	40	80	M 12×60	M 16	220
SNL 213	220	125	110	80	45	40	80	M 12×65	M 16	220
SNL 215	220	125	110	80	45	40	80	M 12×65	M 16	220
SNL 216	220	125	110	80	45	40	80	M 12×70	M 20	430
SNL 217	220	125	110	80	45	40	80	M 12×80	M 20	430
SNL 218	400	230	200	170	100	85	150	M 16×90	M 20	430
SNL 505	150	85	75	50	30	25	50	M 10×40	M 12	90
SNL 506-605	150	85	75	50	30	25	50	M 10×40	M 12	90
SNL 507-606	150	85	75	50	30	25	50	M 10×50	M 12	90
SNL 508-607	150	85	75	50	30	25	50	M 10×50	M 12	90
SNL 509	150	85	75	50	30	25	50	M 10×50	M 12	90
SNL 510-608	150	85	75	50	30	25	50	M 10×55	M 12	90
SNL 511-609	220	125	110	80	45	40	80	M 12×60	M 16	220
SNL 512-610	220	125	110	80	45	40	80	M 12×60	M 16	220
SNL 513-611	220	125	110	80	45	40	80	M 12×65	M 16	220
SNL 515-612	220	125	110	80	45	40	80	M 12×65	M 16	220
SNL 516-613	220	125	110	80	45	40	80	M 12×70	M 20	430
SNL 517	220	125	110	80	45	40	80	M 12×80	M 20	430
SNL 518-615	400	230	200	170	100	85	150	M 16×90	M 20	430
SNL 519-616	400	230	200	170	100	85	150	M 16×90	M 20	430
SNL 520-617	620	360	310	260	150	130	200	M 20×100	M 24	750
SNL 522-619	620	360	310	260	150	130	200	M 20×100	M 24	750
SNL 524-620	620	360	310	260	150	130	200	M 20×110	M 24	750
SNL 526	900	500	450	380	220	190	350	M 24×130	M 24	750
SNL 528	900	500	450	380	220	190	350	M 24×130	M 30	1 400
SNL 530	900	500	450	380	220	190	350	M 24×130	M 30	1 400
SNL 532	900	500	450	380	220	190	350	M 24×130	M 30	1 400

<sup>1)</sup> lbs = kN x 225  
<sup>2)</sup> 1 Nm = 8.85 in-lbf

# Split pillow blocks (metric series)

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

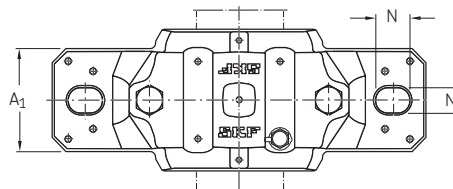
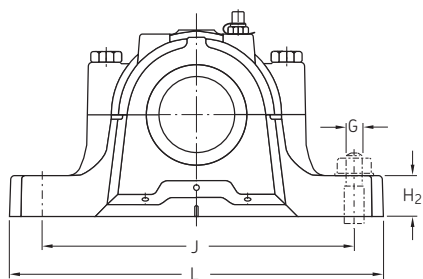


**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	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			
20	67	46	74	40	19	130	165	20	15	12	1.45	SNL 505 SNL 505 SNL 505 SNL 505 SNL 505	TSN 505 G TSN 505 A TSN 505 C TSN 505 S TSN 505 ND	ASNH 505 ASNH 505 ASNH 505 ASNH 505 ASNH 505
	77	52	89	50	22	150	185	20	15	12	2.00	SNL 506-605 SNL 506-605 SNL 506-605 SNL 506-605 SNL 506-605	TSN 605 G TSN 605 A TSN 605 C TSN 605 S TSN 605 ND	ASNH 506-605 ASNH 506-605 ASNH 506-605 ASNH 506-605 ASNH 506-605
25	77	52	89	50	22	150	185	20	15	12	2.00	SNL 506-605 SNL 506-605 SNL 506-605 SNL 506-605 SNL 506-605	TSN 506 G TSN 506 A TSN 506 C TSN 506 S TSN 506 ND	ASNH 506-605 ASNH 506-605 ASNH 506-605 ASNH 506-605 ASNH 506-605
	82	52	93	50	22	150	185	20	15	12	2.20	SNL 507-606 SNL 507-606 SNL 507-606 SNL 507-606 SNL 507-606	TSN 606 G TSN 606 A TSN 606 C TSN 606 S TSN 606 ND	ASNH 507-606 ASNH 507-606 ASNH 507-606 ASNH 507-606 ASNH 507-606
30	82	52	93	50	22	150	185	20	15	12	2.20	SNL 507-606 SNL 507-606 SNL 507-606 SNL 507-606 SNL 507-606	TSN 507 G TSN 507 A TSN 507 C TSN 507 S TSN 507 ND	ASNH 507-606 ASNH 507-606 ASNH 507-606 ASNH 507-606 ASNH 507-606
	85	60	107	60	25	170	205	20	15	12	2.90	SNL 508-607 SNL 508-607 SNL 508-607 SNL 508-607 SNL 508-607	TSN 607 G TSN 607 A TSN 607 C TSN 607 S TSN 607 ND	ASNH 508-607 ASNH 508-607 ASNH 508-607 ASNH 508-607 ASNH 508-607
35	85	60	108	60	25	170	205	20	15	12	2.90	SNL 508-607 SNL 508-607 SNL 508-607 SNL 508-607 SNL 508-607	TSN 508 G TSN 508 A TSN 508 C TSN 508 S TSN 508 ND	ASNH 508-607 ASNH 508-607 ASNH 508-607 ASNH 508-607 ASNH 508-607
	90	60	113	60	25	170	205	20	15	12	3.20	SNL 510-608 SNL 510-608 SNL 510-608 SNL 510-608 SNL 510-608	TSN 608 G TSN 608 A TSN 608 C TSN 608 S TSN 608 ND	ASNH 510-608 ASNH 510-608 ASNH 510-608 ASNH 510-608 ASNH 510-608

Consult SKF USA Inc. prior to design change or order placement.

SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 20 — 35 mm

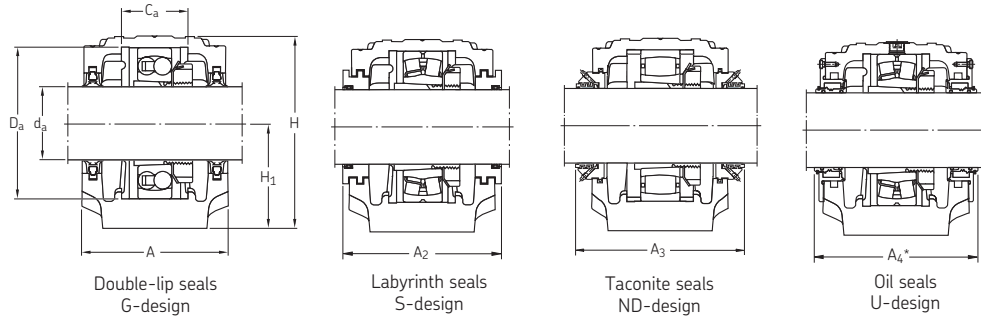


Shaft d <sub>a</sub>	Bearing seating		Width across seal		Appropriate bearings and associated components					
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing Spherical roller bearing	Adapter sleeve	Locating rings 2 per housing	Self-aligning ball bearing Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings 2 per housing
mm	mm	mm	mm	mm	—					
20	25	52	80	130	<b>1205 EK</b> —	H 205 —	FRB 5/52 —	<b>2205 EK</b> <b>22205 CCK/W33</b> <b>C 2205 K</b>	H 305 H 305 H 305 E	FRB 3.5/52 FRB 3.5/52 FRB 3.5/52
	32	62	89	135	<b>1305 EK</b> —	H 305 —	FRB 7.5/62 —	<b>2305 EK</b> —	H 2305 —	FRB 4/62 —
25	32	62	89	140	<b>1206 EK</b> —	H 206 —	FRB 8/62 —	<b>2206 EK</b> <b>22206 CCK/W33</b> <b>C 2206 K</b>	H 306 H 306 H 306 E	FRB 6/62 FRB 6/62 FRB 6/62
	34	72	94	140	<b>1306 EK</b> —	H 306 —	FRB 7.5/72 —	<b>2306 K</b> —	H 2306 —	FRB 3.5/72 —
30	34	72	94	145	<b>1207 EK</b> —	H 207 —	FRB 8.5/72 —	<b>2207 EK</b> <b>22207 CCK/W33</b> <b>C 2207 K</b>	H 307 H 307 H 307 E	FRB 5.5/72 FRB 5.5/72 FRB 5.5/72
	39	80	97	145	<b>1307 EK</b> —	H 307 —	FRB 9/80 —	<b>2307 EK</b> —	H 2307 —	FRB 4/80 —
35	39	80	97	150	<b>1208 EK</b> —	H 208 —	FRB 10.5/80 —	<b>2208 EK</b> <b>22208 EK</b> <b>C 2208 K</b>	H 308 H 308 H 308 E	FRB 8/80 FRB 8/80 FRB 8/80
	41	90	102	150	<b>1308 EK</b> <b>21308 CCK</b>	H 308 H 308	FRB 9/90 FRB 9/90	<b>2308 EK</b> <b>22308 CCK/W33</b> —	H 2308 H 2308 —	FRB 4/90 FRB 4/90 —

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 40 — 50 mm



**Note:** These products are not sold as complete units. Each component must be ordered separately.

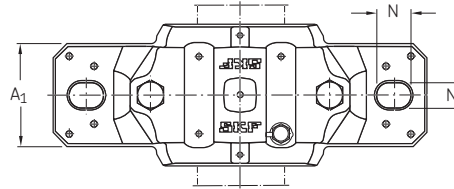
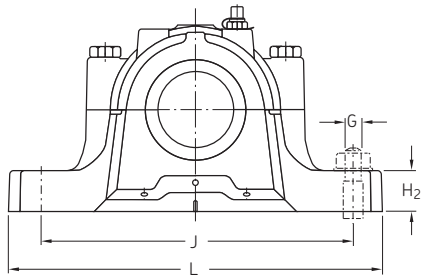
Shaft d <sub>a</sub>	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	A	A <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	L	N	N <sub>1</sub>	G				
mm	mm										kg			
40	85	60	109	60	25	170	205	20	15	12	2.90	SNL 509 SNL 509 SNL 509 SNL 509 SNL 509	TSN 509 G TSN 509 A TSN 509 C TSN 509 S TSN 509 ND	ASNH 509 ASNH 509 ASNH 509 ASNH 509 ASNH 509
	95	70	127	70	28	210	255	24	18	16	4.40	SNL 511-609 SNL 511-609 SNL 511-609 SNL 511-609 SNL 511-609 SNL 511-609 RU	TSN 609 G TSN 609 A TSN 609 C TSN 609 S TSN 609 ND TSN 609 U	ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 511-609 R
45	90	60	113	60	25	170	205	20	15	12	3.20	SNL 510-608 SNL 510-608 SNL 510-608 SNL 510-608 SNL 510-608	TSN 510 G TSN 510 A TSN 510 C TSN 510 S TSN 510 ND	ASNH 510-608 ASNH 510-608 ASNH 510-608 ASNH 510-608 ASNH 510-608
	105	70	133	70	30	210	255	24	18	16	5.10	SNL 512-610 SNL 512-610 SNL 512-610 SNL 512-610 SNL 512-610 SNL 512-610 RU	TSN 610 G TSN 610 A TSN 610 C TSN 610 S TSN 610 ND TSN 610 U	ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 512-610 R
50	95	70	128	70	28	210	255	24	18	16	4.40	SNL 511-609 SNL 511-609 SNL 511-609 SNL 511-609 SNL 511-609 SNL 211 RU	TSN 511 G TSN 511 A TSN 511 C TSN 511 S TSN 511 ND TSN 511 U	ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 513-611 R
	110	80	148	80	30	230	275	24	18	16	6.50	SNL 513-611 SNL 513-611 SNL 513-611 SNL 513-611 SNL 513-611 SNL 513-611 RU	TSN 611 G TSN 611 A TSN 611 C TSN 611 S TSN 611 ND TSN 611 U	ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611 R

\* For A<sub>4</sub> dimension see Table 4, page 450.

Consult SKF USA Inc. prior to design change or order placement.



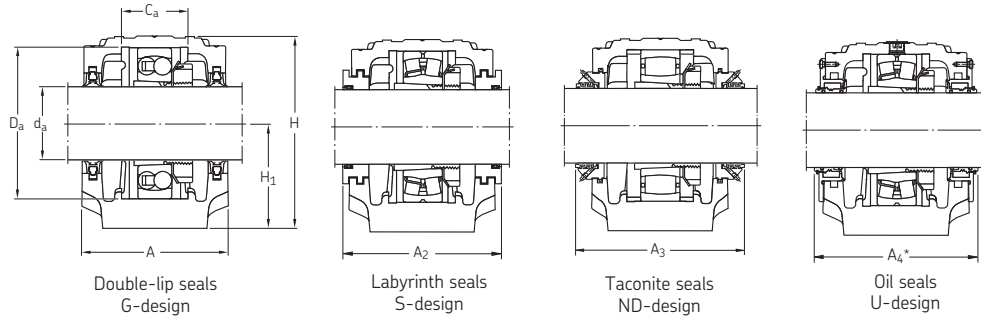
SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 40 — 50 mm



Shaft d <sub>a</sub>	Bearing seating		Width across seal		Appropriate bearings and associated components					
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing Spherical roller 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	—					
40	30	85	97	150	<b>1209 EK</b> —	H 209 —	FRB 5.5/85 —	<b>2209 EK</b> <b>22209 CCK/W33</b> <b>C 2209 K</b>	H 309 H 309 H 309 E	FRB 3.5/85 FRB 3.5/85 FRB 3.5/85
	44	100	107	155	<b>1309 EK</b> <b>21309 EK</b>	H 309 H 309	FRB 9.5/100 FRB 9.5/100	<b>2309 EK</b> <b>22309 CCK/W33</b> —	H 2309 H 2309 —	FRB 4/100 FRB 4/100 —
45	41	90	102	155	<b>1210 EK</b> —	H 210 —	FRB 10.5/90 —	<b>2210 EK</b> <b>22210 CCK/W33</b> <b>C 2210 K</b>	H 310 H 310 H 310 E	FRB 9/90 FRB 9/90 FRB 9/90
	48	110	117	165	<b>1310 EK</b> <b>21310 EK</b>	H 310 H 310	FRB 10.5/110 FRB 10.5/110	<b>2310 K</b> <b>22310 CCK/W33</b> —	H 2310 H 2310 —	FRB 4/110 FRB 4/110 —
50	44	100	107	165	<b>1211 EK</b> —	H 211 —	FRB 11.5/100 —	<b>2211 EK</b> <b>22211 EK</b> <b>C 2211 K</b>	H 311 H 311 H 311 E	FRB 9.5/100 FRB 9.5/100 FRB 9.5/100
	51	120	122	170	<b>1311 EK</b> <b>21311 EK</b>	H 311 H 311	FRB 11/120 FRB 11/120	<b>2311 K</b> <b>22311 EK</b>	H 2311 H 2311	FRB 4/120 FRB 4/120

# Split pillow blocks (metric series)

SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  55 — 65 mm



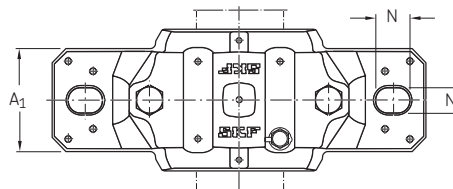
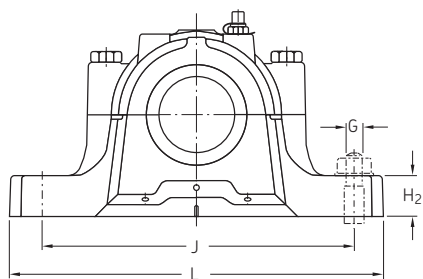
Note: These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	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			
55	105	70	134	70	30	210	255	24	18	16	5.10	SNL 512-610 SNL 512-610 SNL 512-610 SNL 512-610 SNL 512-610 SNL 212 RU	TSN 512 G TSN 512 A TSN 512 C TSN 512 S TSN 512 ND TSN 512 U	ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 515-612 R
	115	80	154	80	30	230	280	24	18	16	7.00	SNL 515-612 SNL 515-612 SNL 515-612 SNL 515-612 SNL 515-612 SNL 515-612 RU	TSN 612 G TSN 612 A TSN 612 C TSN 612 S TSN 612 ND TSN 612 U	ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 515-612 R
60	110	80	149	80	30	230	275	24	18	16	6.50	SNL 513-611 SNL 513-611 SNL 513-611 SNL 513-611 SNL 513-611 SNL 213 RU	TSN 513 G TSN 513 A TSN 513 C TSN 513 S TSN 513 ND TSN 513 U	ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611 R
	120	90	175	95	32	260	315	28	22	20	9.50	SNL 516-613 SNL 516-613 SNL 516-613 SNL 516-613 SNL 516-613 SNL 516-613 RU	TSN 613 G TSN 613 A TSN 613 C TSN 613 S TSN 613 ND TSN 613 U	ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 516-613 R
65	115	80	155	80	30	230	280	24	18	16	7.00	SNL 515-612 SNL 515-612 SNL 515-612 SNL 515-612 SNL 515-612 SNL 215 RU	TSN 515 G TSN 515 A TSN 515 C TSN 515 S TSN 515 ND TSN 515 U	ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 518-615 R
	140	100	193	100	35	290	345	28	22	20	12.5	SNL 518-615 SNL 518-615 SNL 518-615 SNL 518-615 SNL 518-615 SNL 518-615 RU	TSN 615 G TSN 615 A TSN 615 C TSN 615 S TSN 615 ND TSN 615 U	ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 518-615 R

\* For A<sub>4</sub> dimension see Table 4, page 450.

Consult SKF USA Inc. prior to design change or order placement.

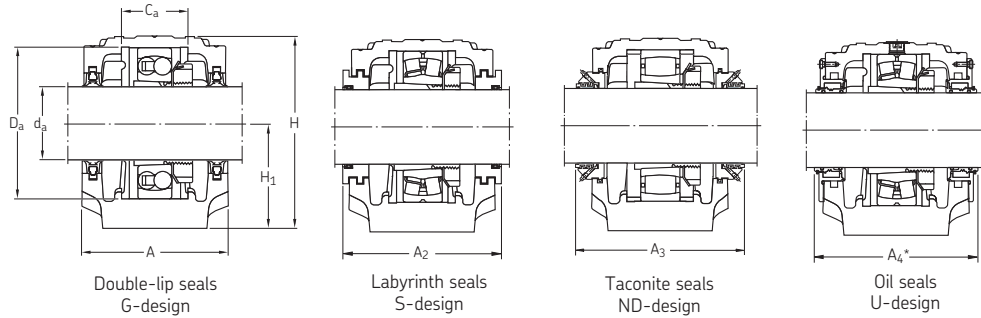
SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 55 — 65 mm



Shaft d <sub>a</sub>	Bearing seating		Width across seal		Appropriate bearings and associated components					
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing Spherical roller 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	—	—	—	—	—	—
55	48	110	117	175	<b>1212 EK</b> —	H 212 —	FRB 13/110 —	<b>2212 EK</b> <b>22212 EK</b> <b>C 2212 K</b>	H 312 H 312 H 312 E	FRB 10/110 FRB 10/110 FRB 10/110
	56	130	127	175	<b>1312 EK</b> <b>21312 EK</b>	H 312 H 312	FRB 12.5/130 FRB 12.5/130	<b>2312 K</b> <b>22312 EK</b> —	H 2312 H 2312 —	FRB 5/130 FRB 5/130 —
60	51	120	122	180	<b>1213 EK</b> —	H 213 —	FRB 14/120 —	<b>2213 EK</b> <b>22213 CCK/W33</b> <b>C 2213 K</b>	H 313 H 313 H 313 E	FRB 10/120 FRB 10/120 FRB 10/120
	58	140	138	180	<b>1313 EK</b> <b>21313 EK</b>	H 313 H 313	FRB 12.5/140 FRB 12.5/140	<b>2313 K</b> <b>22313 EK</b> —	H 2313 H 2313 —	FRB 5/140 FRB 5/140 —
65	56	130	127	175	<b>1215 K</b> —	H 215 —	FRB 15.5/130 —	<b>2215 EK</b> <b>22215 EK</b> <b>C 2215 K</b>	H 315 H 315 H 315 E	FRB 12.5/130 FRB 12.5/130 FRB 12.5/130
	65	160	158	200	<b>1315 K</b> <b>21315 EK</b>	H 315 H 315	FRB 14/160 FRB 14/160	<b>2315 K</b> <b>22315 EK</b> <b>C 2315 K</b>	H 2315 H 2315 H 2315	FRB 5/160 FRB 5/160 FRB 5/160

# Split pillow blocks (metric series)

SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  70 — 85mm



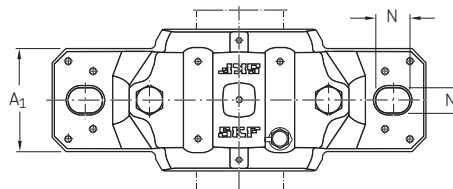
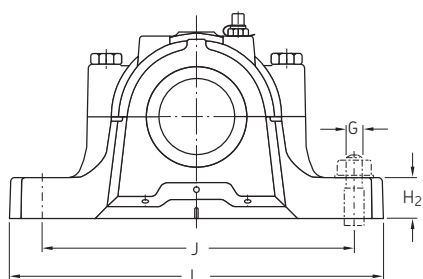
**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	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			
70	120	90	177	95	32	260	315	28	22	20	9.50	SNL 516-613 SNL 516-613 SNL 516-613 SNL 516-613 SNL 516-613 SNL 216 RU	TSN 516 G TSN 516 A TSN 516 C TSN 516 S TSN 516 ND TSN 516 U	ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 216 R
	145	100	210	112	35	290	345	28	22	20	13.7	SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 RU	TSN 616 G TSN 616 A TSN 616 C TSN 616 S TSN 616 ND TSN 616 U	ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 R
75	125	90	183	95	32	260	320	28	22	20	10.0	SNL 517 SNL 517 SNL 517 SNL 517 SNL 517 SNL 217 RU	TSN 517 G TSN 517 A TSN 517 C TSN 517 S TSN 517 ND TSN 517 U	ASNH 517 ASNH 517 ASNH 517 ASNH 517 ASNH 517 ASNH 217 R
	160	110	215	112	40	320	380	32	26	24	17.6	SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 RU	TSN 617 G TSN 617 A TSN 617 C TSN 617 S TSN 617 ND TSN 617 U	ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 R
80	140	100	194	100	35	290	345	28	22	20	12.5	SNL 518-615 SNL 518-615 SNL 518-615 SNL 518-615 SNL 518-615 SNL 218 RU	TSN 518 G TSN 518 A TSN 518 C TSN 518 S TSN 518 ND TSN 518 U	ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 218 R
	145	100	212	112	35	290	345	28	22	20	13.7	SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 RU	TSN 519 G TSN 519 A TSN 519 C TSN 519 S TSN 519 ND TSN 519 U	ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 R
85	175	120	239	125	45	350	410	32	26	24	22.0	SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 RU	TSN 619 G TSN 619 A TSN 619 C TSN 619 S TSN 619 ND TSN 619 U	ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 R

\* For A<sub>4</sub> dimension see Table 4, page 450.

Consult SKF USA Inc. prior to design change or order placement.

SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 70 — 85 mm

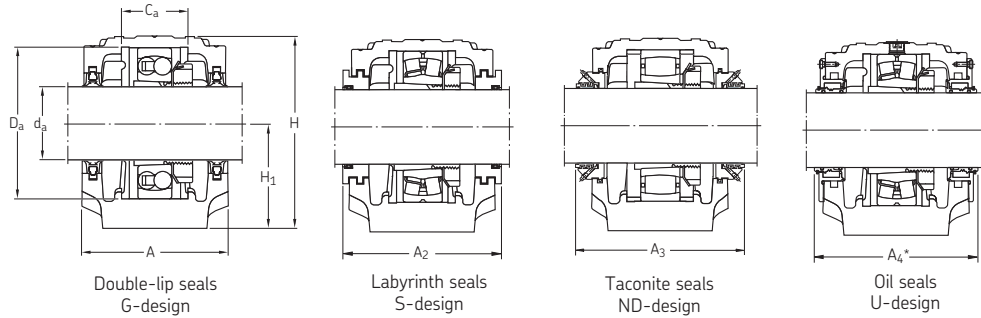


Shaft d <sub>a</sub>	Bearing seating		Width across seal		Appropriate bearings and associated components					
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing Spherical roller bearing	Adapter sleeve	Locating rings 2 per housing	Self-aligning ball bearing Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings 2 per housing
mm	mm	mm	mm	mm	—					
70	58	140	138	205	<b>1216 K</b> —	H 216 —	FRB 16/140 —	<b>2216 EK</b> <b>22216 EK</b> C <b>2216 K</b>	H 316 H 316 H 316 E	FRB 12.5/140 FRB 12.5/140 FRB 12.5/140
	68	170	163	205	<b>1316 K</b> <b>21316 EK</b>	H 316 H 316	FRB 14.5/170 FRB 14.5/170	<b>2316 K</b> <b>22316 EK</b> C <b>2316 K</b>	H 2316 H 2316 H 2316	FRB 5/170 FRB 5/170 FRB 5/170
75	61	150	143	210	<b>1217 K</b> —	H 217 —	FRB 16.5/150 —	<b>2217 K</b> <b>22217 EK</b> C <b>2217 K</b>	H 317 H 317 H 317 E	FRB 12.5/150 FRB 12.5/150 FRB 12.5/150
	70	180	178	220	<b>1317 K</b> <b>21317 EK</b>	H 317 H 317	FRB 14.5/180 FRB 14.5/180	<b>2317 K</b> <b>22317 EK</b> C <b>2317 K</b>	H 2317 H 2317 H 2317	FRB 5/180 FRB 5/180 FRB 5/180
80	65	160	158	225	<b>1218 K</b> <b>22218 EK</b>	H 218 H 318	FRB 17.5/160 FRB 12.5/160	<b>2218 K</b> <b>23218 CCK/W33</b> C <b>2218 K</b>	H 318 H 2318 H 318 E	FRB 12.5/160 FRB 6.25/160 FRB 12.5/160
	85	170	163	220	<b>1219 K</b> —	H 219 —	FRB 18/170 —	<b>2219 K</b> <b>22219 EK</b> —	H 319 H 319 —	FRB 12.5/170 FRB 12.5/170 —
85	80	200	191	235	<b>1319 K</b> <b>21319 EK</b>	H 319 H 319	FRB 17.5/200 FRB 17.5/200	<b>2319 K</b> <b>22319 EK</b>	H 2319 H 2319	FRB 6.5/200 FRB 6.5/200

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

SNL plummer block housings  
for bearings on adapter sleeve  
 $d_a$  90 — 135 mm



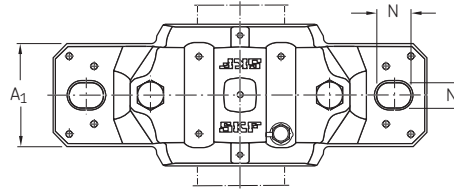
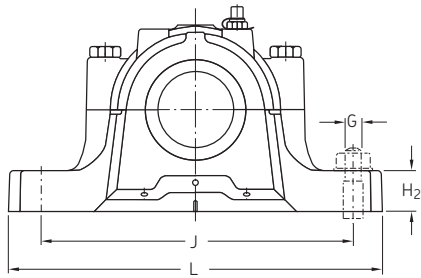
Note: These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	A	$A_1$	H	$H_1$	$H_2$	J	L	N	$N_1$	G				
mm	mm										kg			
90	160	110	218	112	40	320	380	32	26	24	17.6	SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 RU	TSN 520 G TSN 520 A TSN 520 C TSN 520 S TSN 520 ND TSN 520 U	ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 R
	185	120	271	140	45	350	410	32	26	24	26.2	SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 RU	TSN 620 G TSN 620 A TSN 620 C TSN 620 S TSN 620 ND TSN 620 U	ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 R
100	175	120	242	125	45	350	410	32	26	24	22.0	SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 RU	TSN 522 G TSN 522 A TSN 522 C TSN 522 S TSN 522 ND TSN 522 U	ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 R
110	185	120	271	140	45	350	410	32	26	24	26.2	SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 RU	TSN 524 G TSN 524 A TSN 524 C TSN 524 S TSN 524 ND TSN 524 U	ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 R
115	190	130	290	150	50	380	445	35	28	24	33.0	SNL 526 SNL 526 SNL 526 SNL 526 SNL 526 SNL 526 RU	TSN 526 G TSN 526 A TSN 526 C TSN 526 S TSN 526 ND TSN 526 U	ASNH 526 ASNH 526 ASNH 526 ASNH 526 ASNH 526 ASNH 526 R
125	205	150	302	150	50	420	500	42	35	30	40.0	SNL 528 SNL 528 SNL 528 SNL 528 SNL 528 SNL 528 RU	TSN 528 G TSN 528 A TSN 528 C TSN 528 S TSN 528 ND TSN 528 U	ASNH 528 ASNH 528 ASNH 528 ASNH 528 ASNH 528 ASNH 528 R
135	220	160	323	160	60	450	530	42	35	30	49.0	SNL 530 SNL 530 SNL 530 SNL 530 SNL 530 SNL 530 RU	TSN 530 G TSN 530 A TSN 530 C TSN 530 S TSN 530 ND TSN 530 U	ASNH 530 ASNH 530 ASNH 530 ASNH 530 ASNH 530 ASNH 530 R

\* For  $A_4$  dimension see Table 4, page 450.

Consult SKF USA Inc. prior to design change or order placement.

SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 90 — 135 mm

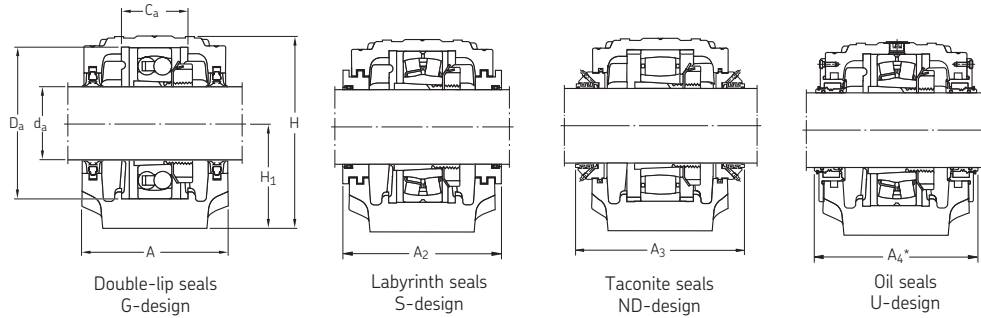


Shaft d <sub>a</sub>	Bearing seating		Width across seal		Appropriate bearings and associated components					
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Spherical roller bearing	Adapter sleeve	Locating rings 2 per housing	Self-aligning ball bearing Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings 2 per housing
mm	mm	mm	mm	mm	—					
90	70	180	178	235	1220 K 22220 EK	H 220 H 320	FRB 18/180 FRB 12/180	2220 K 23220 CCK/W33 C 2220 K	H 320 H 2320 H 320 E	FRB 12/180 FRB 4.85/180 FRB 12/180
	86	215	199	240	1320 K 21320 EK	H 320 H 320	FRB 19.5/215 FRB 19.5/215	2320 K 22320 EK C 2320 K	H 2320 H 2320 H 2320	FRB 6.5/215 FRB 6.5/215 FRB 6.5/215
100	80	200	191	250	1222 K 22222 EK	H 222 H 322	FRB 21/200 FRB 13.5/200	2222 K 23222 CCK/W33 C 2222 K	H 322 H 2322 H 322 E	FRB 13.5/200 FRB 5.1/200 FRB 13.5/200
110	86	215	199	260	1224 K 22224 EK	H 3124 H 3124	FRB 22/215 FRB 14/215	— 23224 CCK/W33 C 3224 K	— H 2324 H 2324 L	— FRB 5/215 FRB 5/215
115	90	230	208	265	— 22226 EK	— H 3126	— FRB 13/230	— 23226 CCK/W33 C 2226 K	— H 2326 H 3126 L	— FRB 5/230 FRB 13/230
125	98	250	223	285	22228 CCK/W33	H 3128	FRB 15/250	23228 CCK/W33 C 2228 K	H 2328 H 3128 L	FRB 5/250 FRB 15/250
135	106	270	241	295	22230 CCK/W33	H 3130	FRB 16.5/270	23230 CCK/W33 C 2230 K	H 2330 H 3130 L	FRB 5/270 FRB 16.5/270

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

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



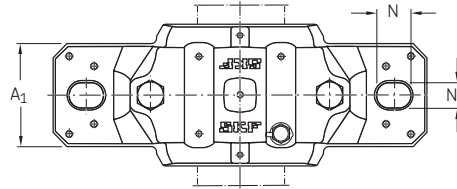
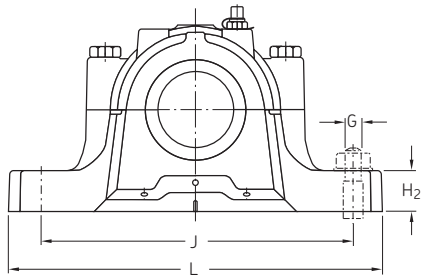
**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	A	$A_1$	H	$H_1$	$H_2$	J	L	N	$N_1$	G				
mm	mm										kg			
<b>140</b>	235	160	344	170	60	470	550	42	35	30	55.0	SNL 532 SNL 532 SNL 532 SNL 532 SNL 532 SNL 532 RU	TSN 532 G TSN 532 A TSN 532 C TSN 532 S TSN 532 ND TSN 532 U	ASNH 532 ASNH 532 ASNH 532 ASNH 532 ASNH 532 ASNH 532 R

\* For  $A_4$  dimension see Table 4, page 450.



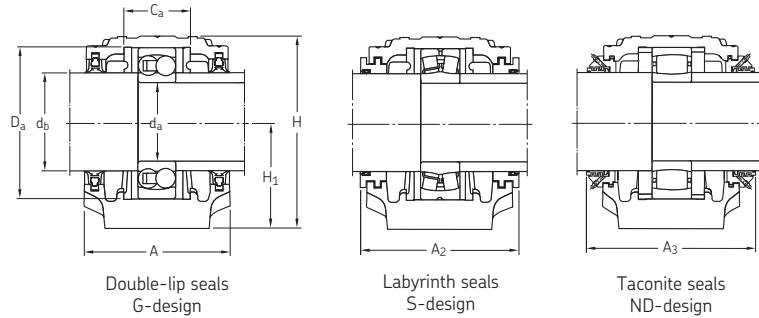
SNL plummer block housings  
for bearings on adapter sleeve  
d<sub>a</sub> 140 mm



Shaft d <sub>a</sub>	Bearing seating		Width across seal		Appropriate bearings and associated components					
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Spherical roller 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	-					
140	114	290	254	315	22232 CCK/W33	H 3132	FRB 17/290	23232 CCK/W33 C 3232 K	H 2332 H 2332 L	FRB 5/290 FRB 5/290

# Split pillow blocks (metric series)

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



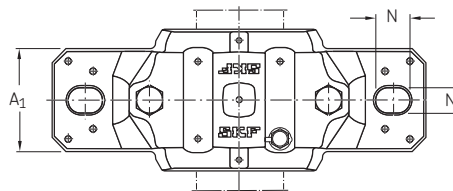
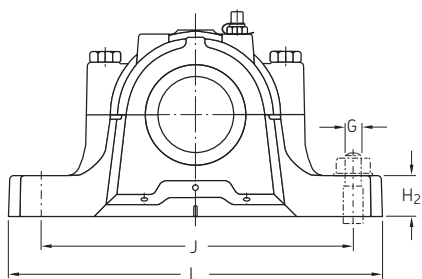
**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	A	$A_1$	H	$H_1$	$H_2$	J	L	N	$N_1$	G				
mm	mm										kg			
25	67	46	74	40	19	130	165	20	15	12	1.40	SNL 205 SNL 505 SNL 205 SNL 205	TSN 205 G 2 FS 170 TSN 205 S TSN 205 ND	ASNH 506-605 ASNH 505 ASNH 506-605 ASNH 506-605
	77	52	89	50	22	150	185	20	15	12	1.90	SNL 206-305 SNL 206-305 SNL 206-305 SNL 206-305	TSN 305 G TSN 305 A TSN 305 S TSN 305 ND	ASNH 507-605 ASNH 507-605 ASNH 507-605 ASNH 507-605
30	77	52	89	50	22	150	185	20	15	12	1.90	SNL 206-305 SNL 206-305 SNL 506-605 SNL 206-305 SNL 206-305	TSN 206 G TSN 206 A 2 FS 170 TSN 206 S TSN 206 ND	ASNH 507-606 ASNH 507-606 ASNH 506-605 ASNH 507-606 ASNH 507-606
	82	52	93	50	22	150	185	20	15	12	2.20	SNL 507-606 SNL 507-606 SNL 507-606 SNL 507-606	TSN 306 G TSN 306 A TSN 306 S TSN 306 ND	ASNH 507-606 ASNH 507-606 ASNH 507-606 ASNH 507-606
35	82	52	93	50	22	150	185	20	15	12	2.10	SNL 207 SNL 207 SNL 507-606 SNL 207 SNL 207	TSN 207 G TSN 207 A 4 FS 170 TSN 207 S TSN 207 ND	ASNH 509 ASNH 509 ASNH 507-606 ASNH 509 ASNH 509
	85	60	108	60	25	170	205	20	15	12	2.90	SNL 208-307 SNL 208-307 SNL 208-307 SNL 208-307	TSN 307 G TSN 307 A TSN 307 S TSN 307 ND	ASNH 510-608 ASNH 510-608 ASNH 510-608 ASNH 510-608
40	85	60	108	60	25	170	205	20	15	12	2.75	SNL 208-307 SNL 208-307 SNL 508-607 SNL 208-307 SNL 208-307	TSN 208 G TSN 208 A 4 FS 170 TSN 208 S TSN 208 ND	ASNH 510-608 ASNH 510-608 ASNH 508-607 ASNH 510-608 ASNH 510-608
	90	60	113	60	25	170	205	20	15	12	3.20	SNL 510-608 SNL 510-608 SNL 510-608 SNL 510-608	TSN 308 G TSN 308 A TSN 308 S TSN 308 ND	ASNH 510-608 ASNH 510-608 ASNH 510-608 ASNH 510-608

For seal details see pages 484 - 487.

Consult SKF USA Inc. prior to design change or order placement.

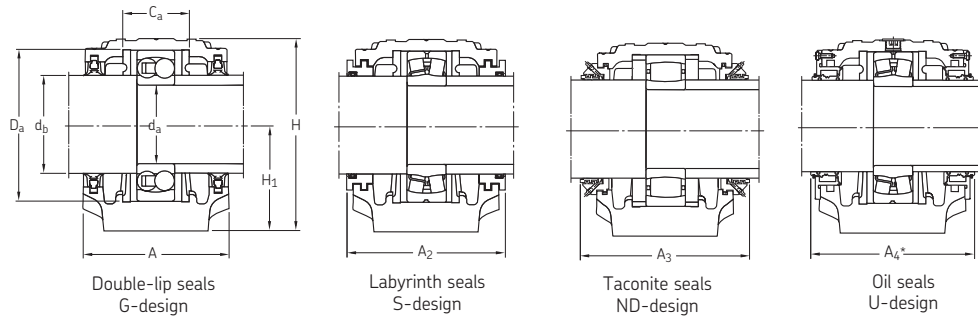
SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  25 — 40 mm



Shaft		Bearing seating		Width across seal		Appropriate bearings and locating rings			
$d_a$	$d_b$	$C_a$	$D_a$	$A_2$	$A_3$	Self-aligning ball bearing	Locating rings 2 per housing	Self-aligning ball bearing	Locating rings 2 per housing
						Spherical roller bearing		Spherical roller bearing	
								CARB bearing	
mm		mm		mm		—			
25	30	25	52	90	140	1205 E —	FRB 5/52 —	2205 E 22205 CC/W33 C 2205	FRB 3.5/52 FRB 3.5/52 FRB 3.5/52
	30	32	62	89	150	1305 E 21305 CC	FRB 7.5/62 FRB 7.5/62	2305 — —	FRB 4/62 — —
30	35	32	62	89	150	1206 E —	FRB 8/62 —	2206 E 22206 CC/W33 C 2206	FRB 6/62 FRB 6/62 FRB 6/62
	35	34	72	94	155	1306 E 21306 CC	FRB 7.5/72 FRB 7.5/72	2306 — —	FRB 3.5/72 — —
35	45	34	72	96	155	1207 E —	FRB 8.5/72 —	2207 E 22207 CC/W33 C 2207	FRB 5.5/72 FRB 5.5/72 FRB 5.5/72
	45	39	80	99	164	1307 E 21307 CC	FRB 9/80 FRB 9/80	2307 E — —	FRB 4/80 — —
40	50	39	80	99	160	1208 E —	FRB 10.5/80 —	2208 E 22208 E C 2208	FRB 8/80 FRB 8/80 FRB 8/80
	50	41	90	102	167	1308 E 21308 E	FRB 9/90 FRB 9/90	2308 E 22308 CC/W33 —	FRB 4/90 FRB 4/90 —

# Split pillow blocks (metric series)

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



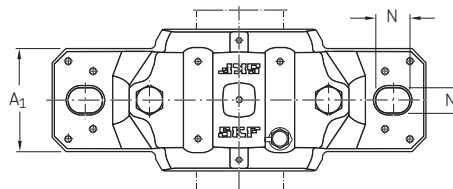
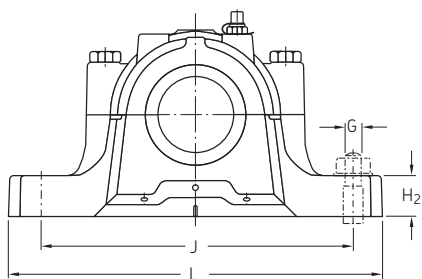
Note: These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	A	$A_1$	H	$H_1$	$H_2$	J	L	N	$N_1$	G				
mm	mm										kg			
45	85	60	109	60	25	170	205	20	15	12	2.75	SNL 209 SNL 209 SNL 509 SNL 209 SNL 209	TSN 209 G TSN 209 A 4 FS 170 TSN 209 S TSN 209 ND	ASNH 511-609 ASNH 511-609 ASNH 509 ASNH 511-609 ASNH 511-609
	95	70	128	70	28	210	255	24	18	16	4.40	SNL 511-609 SNL 511-609 SNL 511-609 SNL 511-609	TSN 309 G TSN 309 A TSN 309 S TSN 309 ND	ASNH 511-609 ASNH 511-609 ASNH 511-609 ASNH 511-609
50	90	60	113	60	25	170	205	20	15	12	3.00	SNL 210 SNL 210 SNL 510-608 SNL 210 SNL 210	TSN 210 G TSN 210 A 4 FS 170 TSN 210 S TSN 210 ND	ASNH 512-610 ASNH 512-610 ASNH 510-608 ASNH 512-610 ASNH 512-610
	105	70	134	70	30	210	255	24	18	16	5.10	SNL 512-610 SNL 512-610 SNL 512-610 SNL 512-610	TSN 310 G TSN 310 A TSN 310 S TSN 310 ND	ASNH 512-610 ASNH 512-610 ASNH 512-610 ASNH 512-610
55	95	70	128	70	28	210	255	24	18	16	4.20	SNL 211 SNL 211 SNL 511-609 SNL 211 SNL 211	TSN 211 G TSN 211 A 4 FS 170 TSN 211 S TSN 211 ND	ASNH 513-611 ASNH 513-611 ASNH 511-609 ASNH 513-611 ASNH 513-611
	110	80	149	80	30	230	275	24	18	16	6.50	SNL 513-611 SNL 513-611 SNL 513-611 SNL 513-611	TSN 311 G TSN 311 A TSN 311 S TSN 311 ND	ASNH 513-611 ASNH 513-611 ASNH 513-611 ASNH 513-611
60	105	70	134	70	30	210	255	24	18	16	4.75	SNL 212 SNL 212 SNL 512-610 SNL 212 SNL 212	TSN 212 G TSN 212 A 4 FS 170 TSN 212 S TSN 212 ND	ASNH 515-612 ASNH 515-612 ASNH 512-610 ASNH 515-612 ASNH 515-612
	115	80	155	80	30	230	280	24	18	16	7.00	SNL 515-612 SNL 515-612 SNL 515-612 SNL 515-612 SNL 215 RU	TSN 312 G TSN 312 A TSN 312 S TSN 312 ND TSN 312 U	ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 515-612 ASNH 518-615 R

\* For  $A_4$  dimension see Table 4, page 450.  
For seal details see pages 484 - 487.

Consult SKF USA Inc. prior to design change or order placement.

SNL plummer block housings  
for bearings with cylindrical bore  
d<sub>a</sub> 45 — 60 mm

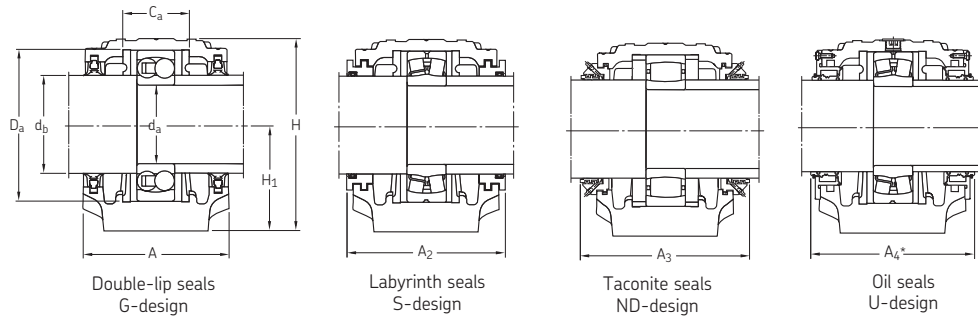


Shaft		Bearing seating		Width across seal		Appropriate bearings and locating rings			
d <sub>a</sub>	d <sub>b</sub>	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing	Locating rings 2 per housing	Self-aligning ball bearing	Locating rings 2 per housing
						Spherical roller bearing		Spherical roller bearing	
								CARB bearing	
mm		mm		mm		—			
45	55	30	85	97	160	1209 E	FRB 5.5/85	2209 E	FRB 3.5/85
						—	—	22209 CC/W33	FRB 3.5/85
								C 2209	FRB 3.5/85
	55	44	100	107	172	1309 E	FRB 9.5/100	2309 E	FRB 4/100
						21309 E	FRB 9.5/100	22309 CC/W33	FRB 4/100
								—	—
50	60	41	90	102	165	1210 E	FRB 10.5/90	2210 E	FRB 9/90
						—	—	22210 CC/W33	FRB 9/90
								C 2210	FRB 9/90
	60	48	110	117	187	1310 E	FRB 10.5/110	2310	FRB 4/110
						21310 E	FRB 10.5/110	22310 CC/W33	FRB 4/110
								—	—
55	65	44	100	107	170	1211 E	FRB 11.5/100	2211 E	FRB 9.5/100
						—	—	22211 E	FRB 9.5/100
								C 2211	FRB 9.5/100
	65	51	120	122	192	1311 E	FRB 11/120	2311	FRB 4/120
						21311 E	FRB 11/120	22311 E	FRB 4/120
								—	—
60	70	48	110	117	180	1212 E	FRB 13/110	2212 E	FRB 10/110
						—	—	22212 E	FRB 10/110
								C 2212	FRB 10/110
	70	56	130	127	197	1312	FRB 12.5/130	2312	FRB 5/130
						21312 E	FRB 12.5/130	22312 E	FRB 5/130
								—	—

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

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



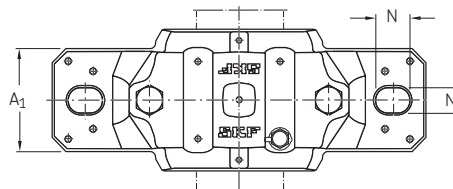
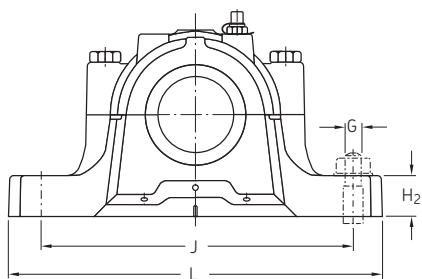
**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	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 SNL 213 SNL 513-611 SNL 213 SNL 213	TSN 213 G TSN 213 A 4 FS 170 TSN 213 S TSN 213 ND	ASNH 516-613 ASNH 516-613 ASNH 513-611 ASNH 516-613 ASNH 516-613
	120	90	177	95	32	260	315	28	22	20	9.50	SNL 516-613 SNL 516-613 SNL 516-613 SNL 516-613 SNL 216 RU	TSN 313 G TSN 313 A TSN 313 S TSN 313 ND TSN 313 U	ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 516-613 ASNH 216 R
70	125	90	183	95	32	260	320	28	22	20	10.0	SNL 517 SNL 517 SNL 517 SNL 517 SNL 217 RU	TSN 314 G TSN 314 A TSN 314 S TSN 314 ND TSN 314 U	ASNH 517 ASNH 517 ASNH 517 ASNH 517 ASNH 217 R
75	115	80	155	80	30	230	280	24	18	16	6.60	SNL 215 SNL 215 SNL 515-612 SNL 215 SNL 215	TSN 215 G TSN 215 A 4 FS 170 TSN 215 S TSN 215 ND	ASNH 518-615 ASNH 518-615 ASNH 515-612 ASNH 518-615 ASNH 518-615
	140	100	194	100	35	290	345	28	22	20	12.5	SNL 518-615 SNL 518-615 SNL 518-615 SNL 518-615 SNL 218 RU	TSN 315 G TSN 315 A TSN 315 S TSN 315 ND TSN 315 U	ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 518-615 ASNH 218 R
80	120	90	177	95	32	260	315	28	22	20	9.00	SNL 216 SNL 216 SNL 516-613 SNL 216 SNL 216	TSN 216 G TSN 216 A 4 FS 170 TSN 216 S TSN 216 ND	ASNH 216 ASNH 216 ASNH 516-613 ASNH 216 ASNH 216
	145	100	212	112	35	290	345	28	22	20	13.7	SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 SNL 519-616 RU	TSN 316 G TSN 316 A TSN 316 S TSN 316 ND TSN 316 U	ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 ASNH 519-616 R

\* For A<sub>4</sub> dimension see Table 4, page 450.  
For seal details see pages 484 - 487.

Consult SKF USA Inc. prior to design change or order placement.

SNL plummer block housings  
for bearings with cylindrical bore  
d<sub>a</sub> 65 — 80 mm

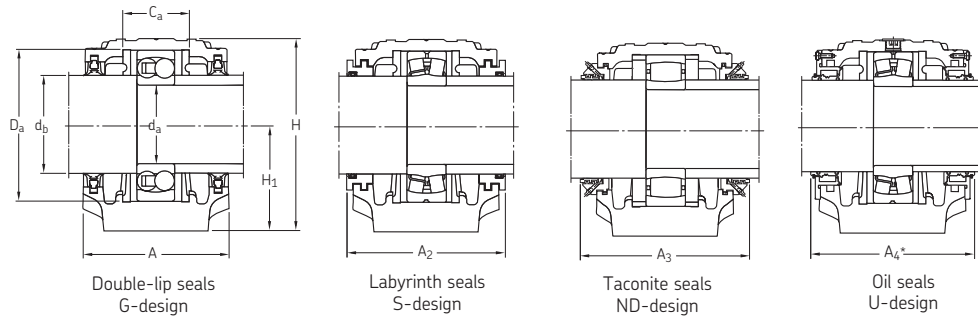


Shaft		Bearing seating		Width across seal		Appropriate bearings and locating rings			
d <sub>a</sub>	d <sub>b</sub>	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing Spherical roller bearing	Locating rings 2 per housing	Self-aligning ball bearing Spherical roller bearing CARB bearing	Locating rings 2 per housing
mm		mm		mm		—			
65	75	51	120	128	190	<b>1213 E</b> —	FRB 14/120 —	<b>2213 E</b> <b>22213 CC/W33</b> <b>C 2213</b>	FRB 10/120 FRB 10/120 FRB 10/120
	75	58	140	138	200	<b>1313 E</b> <b>21313 E</b>	FRB 12.5/140 FRB 12.5/140	<b>2313</b> <b>22313 E</b> —	FRB 5/140 FRB 5/140 —
70	80	61	150	143	205	<b>1314</b> <b>21314 E</b>	FRB 13/150 FRB 13/150	<b>2314</b> <b>22314 E</b> <b>C 2314</b>	FRB 5/150 FRB 5/150 FRB 5/150
75	85	56	130	133	195	<b>1215</b> —	FRB 15.5/130 —	<b>2215 E</b> <b>22215 E</b> <b>C 2215</b>	FRB 12.5/130 FRB 12.5/130 FRB 12.5/130
	85	65	160	158	220	<b>1315</b> <b>21315 E</b>	FRB 14/160 FRB 14/160	<b>2315</b> <b>22315 E</b> <b>C 2315</b>	FRB 5/160 FRB 5/160 FRB 5/160
80	90	58	140	138	200	<b>1216</b> —	FRB 16/140 —	<b>2216 E</b> <b>22216 E</b> <b>C 2216</b>	FRB 12.5/140 FRB 12.5/140 FRB 12.5/140
	90	68	170	163	205	<b>1316</b> <b>21316 E</b>	FRB 14.5/170 FRB 14.5/170	<b>2316</b> <b>22316 E</b> <b>C 2316</b>	FRB 5/170 FRB 5/170 FRB 5/170

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  85 — 130 mm



**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass kg	Designations Components Housing only	Seals	End cover
	A	$A_1$	H	$H_1$	$H_2$	J	L	N	$N_1$	G				
mm	mm										kg			
85	125	90	183	95	32	260	320	28	22	20	9.50	SNL 217 SNL 217 SNL 517 SNL 217 SNL 217	TSN 217 G TSN 217 A 4 FS 170 TSN 217 S TSN 217 ND	ASNH 217 ASNH 217 ASNH 517 ASNH 217 ASNH 217
	160	110	218	112	40	320	380	32	26	24	17.6	SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617 RU	TSN 317 G TSN 317 A TSN 317 S TSN 317 ND TSN 317 U	ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617 R
90	140	100	194	100	35	290	345	28	22	20	11.8	SNL 218 SNL 218 SNL 518-615 SNL 218 SNL 218	TSN 218 G TSN 218 A 4 FS 170 TSN 218 S TSN 218 ND	ASNH 218 ASNH 218 ASNH 518-615 ASNH 218 ASNH 218
	175	120	242	125	45	350	410	32	26	24	22.0	SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619 RU	TSN 319 A TSN 319 S TSN 319 ND TSN 319 U	ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619 R
100	160	110	218	112	40	320	380	32	26	24	17.6	SNL 520-617 SNL 520-617 SNL 520-617 SNL 520-617	TSN 220 G TSN 220 A TSN 220 S TSN 220 ND	ASNH 520-617 ASNH 520-617 ASNH 520-617 ASNH 520-617
	185	120	271	140	45	350	410	32	26	24	26.2	SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620 RU	TSN 320 A TSN 320 S TSN 320 ND TSN 320 U	ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620 R
110	175	120	242	125	45	350	410	32	26	24	22.0	SNL 522-619 SNL 522-619 SNL 522-619 SNL 522-619	TSN 222 G TSN 222 A TSN 222 S TSN 222 ND	ASNH 522-619 ASNH 522-619 ASNH 522-619 ASNH 522-619
	185	120	271	140	45	350	410	32	26	24	26.2	SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620	TSN 224 G TSN 224 A TSN 224 S TSN 224 ND	ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620
120	185	120	271	140	45	350	410	32	26	24	26.2	SNL 524-620 SNL 524-620 SNL 524-620 SNL 524-620	TSN 224 G TSN 224 A TSN 224 S TSN 224 ND	ASNH 524-620 ASNH 524-620 ASNH 524-620 ASNH 524-620
	190	130	290	150	50	380	445	35	28	24	33.0	SNL 526 SNL 526 SNL 526 SNL 526	TSN 226 G TSN 226 A TSN 226 S TSN 226 ND	ASNH 526 ASNH 526 ASNH 526 ASNH 526

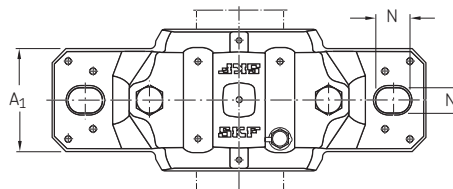
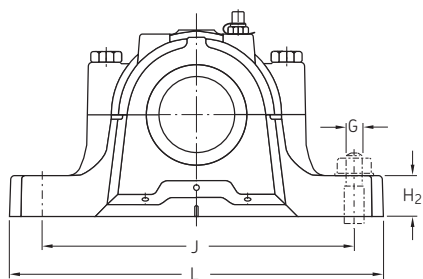
\* For  $A_4$  dimension see Table 4, page 450.

For seal details see pages 484 - 487.

Consult SKF USA Inc. prior to design change or order placement.



SNL plummer block housings  
for bearings with cylindrical bore  
d<sub>a</sub> 85 — 130 mm

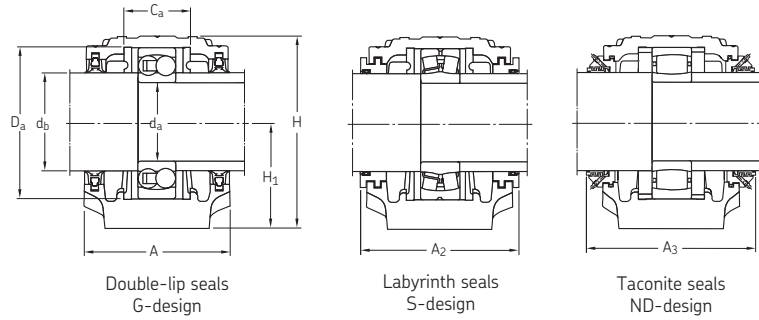


Shaft		Bearing seating		Width across seal		Appropriate bearings and locating rings			
d <sub>a</sub>	d <sub>b</sub>	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	Self-aligning ball bearing Spherical roller bearing	Locating rings 2 per housing	Self-aligning ball bearing Spherical roller bearing CARB bearing	Locating rings 2 per housing
mm		mm		mm		—			
85	95	61	150	143	205	<b>1217</b> —	FRB 16.5/150 —	<b>2217</b> <b>22217 E</b> <b>C 2217</b>	FRB 12.5/150 FRB 12.5/150 FRB 12.5/150
	95	70	180	178	220	<b>1317</b> <b>21317 E</b>	FRB 14.5/180 FRB 14.5/180	<b>2317</b> <b>22317 E</b> <b>C 2317</b>	FRB 5/180 FRB 5/180 FRB 5/180
90	100	65	160	158	220	<b>1218</b> <b>22218 E</b>	FRB 17.5/160 FRB 12.5/160	<b>2218</b> <b>23218 CC/W33</b> <b>C 2218</b>	FRB 12.5/160 FRB 6.25/160 FRB 12.5/160
95	110	80	200	191	235	<b>1319</b> <b>21319 E</b>	FRB 17.5/200 FRB 17.5/200	<b>2319</b> <b>22319 E</b> —	FRB 6.5/200 FRB 6.5/200 —
100	115	70	180	178	240	<b>1220</b> <b>22220 E</b>	FRB 18/180 FRB 12/180	<b>2220</b> <b>23220 CC/W33</b> <b>C 2220</b>	FRB 12/180 FRB 4.85/180 FRB 12/180
	115	86	215	199	240	<b>1320</b> <b>21320 E</b>	FRB 19.5/215 FRB 19.5/215	<b>2320</b> <b>22320 E</b> <b>C 2320</b>	FRB 6.5/215 FRB 6.5/215 FRB 6.5/215
110	125	80	200	191	255	<b>1222</b> <b>22222 E</b>	FRB 21/200 FRB 13.5/200	<b>2222</b> <b>23222 CC/W33</b> <b>C 2222</b>	FRB 13.5/200 FRB 5.1/200 FRB 13.5/200
120	135	86	215	199	260	<b>1224</b> <b>22224 E</b>	FRB 22/215 FRB 14/215	— <b>23224 CC/W33</b> <b>C 3224</b>	— FRB 5/215 FRB 5/215
130	145	90	230	208	270	<b>1226</b> <b>22226 E</b>	FRB 22/230 FRB 13/230	— <b>23226 CC/W33</b> <b>C 2226</b>	— FRB 5/230 FRB 13/230

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  140 — 160 mm

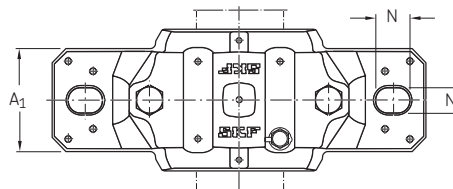
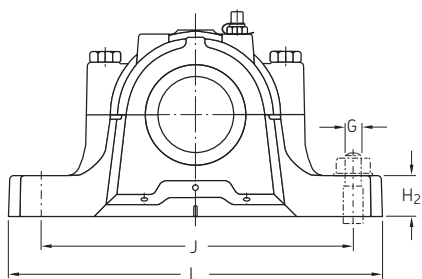


**Note:** These products are not sold as complete units. Each component must be ordered separately.

Shaft $d_a$	Housing dimensions										Mass	Designations Components Housing only	Seals	End cover
	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			
<b>140</b>	205	150	302	150	50	420	500	42	35	30	40.0	SNL 528	TSN 228 G	ASNH 528
												SNL 528	TSN 228 A	ASNH 528
												SNL 528	TSN 228 S	ASNH 528
												SNL 528	TSN 228 ND	ASNH 528
<b>150</b>	220	160	323	160	60	450	530	42	35	30	49.0	SNL 530	TSN 230 G	ASNH 530
												SNL 530	TSN 230 A	ASNH 530
												SNL 530	TSN 230 S	ASNH 530
												SNL 530	TSN 230 ND	ASNH 530
<b>160</b>	235	160	344	170	60	470	550	42	35	30	55.0	SNL 532	TSN 232 G	ASNH 532
												SNL 532	TSN 232 A	ASNH 532
												SNL 532	TSN 232 S	ASNH 532
												SNL 532	TSN 232 ND	ASNH 532

For seal details see pages 484 - 487.

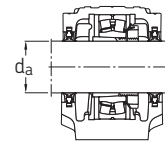
SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  140 — 160 mm



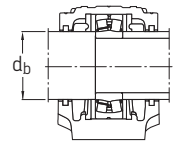
Shaft		Bearing seating		Width across seal		Appropriate bearings and locating rings			
$d_a$	$d_b$	$C_a$	$D_a$	$A_2$	$A_3$	Self-aligning ball bearing	Locating rings 2 per housing	Self-aligning ball bearing	Locating rings 2 per housing
						Spherical roller bearing		Spherical roller bearing	
								CARB bearing	
mm		mm		mm		—			
140	155	98	250	223	290	— 22228 CC/W33	— FRB 15/250	— 23228 CC/W33 C 2228	— FRB 5/250 FRB 15/250
150	165	106	270	241	305	— 22230 CC/W33	— FRB 16.5/270 C 2230	— 23230 CC/W33 FRB 16.5/270	— FRB 5/270
160	175	114	290	254	320	— 22232 CC/W33	— FRB 17/290	— 23232 CC/W33 C 3232	— FRB 5/290 FRB 5/290

# Split pillow blocks (metric series)

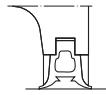
Sealing arrangements for  
SNL plummer block housings  
Size 505 — 510-608



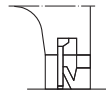
Housing series 5



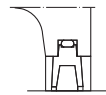
Housing series 2



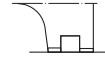
Design G  
Split



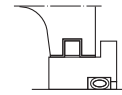
Design A  
Unsplit



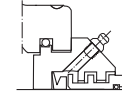
Design C  
Split



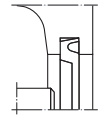
Design C  
Felt Strips  
Split



Design S  
Unsplit



Design ND

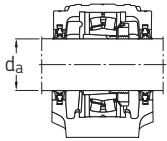


End Cover

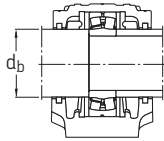
Housing Size	Shaft dia. $d_a, d_b$	Seal sets Design G 2 double-lip seals	Design A 2 V-ring seals	Loose V-ring	Design C 2 felt strips	Loose felt strips	Design S 2 labyrinth seals	Design ND	End cover
–	mm	–	–	–	–	–	–	–	–
<b>505</b>	20 30	TSN 505 G –	TSN 505 A –	CR 400200 –	TSN 505 C –	– 2 × FS 170	2 × TSN 505 S –	2 × TSN 505 ND –	ASNH 505
<b>205</b>	20 25 30 35	TSN 605 G TSN 506 G TSN 205 G –	TSN 605 A TSN 506 A – –	CR 400200 CR 400250 – –	TSN 605 C TSN 506 C – –	– – – 2 × FS 170	2 × TSN 605 S 2 × TSN 506 S 2 × TSN 205 S –	2 × TSN 605 ND 2 × TSN 506 ND 2 × TSN 205 ND –	ASNH 506-605
<b>506-605</b>	20 25 30 35	TSN 605 G TSN 506 G TSN 305 G –	TSN 605 A TSN 506 A TSN 305 A –	CR 400200 CR 400250 – –	TSN 605 C TSN 506 C – –	– – – 2 × FS 170	2 × TSN 605 S 2 × TSN 506 S 2 × TSN 305 S –	2 × TSN 605 ND 2 × TSN 506 ND 2 × TSN 305 ND –	ASNH 506-605
<b>206-305</b>	25 30 35 45	TSN 606 G TSN 507 G TSN 206 G –	TSN 606 A TSN 507 A TSN 206 A –	CR 400250 CR 400300 CR 400350 –	TSN 606 C TSN 507 C – –	– – – 2 × FS 170	2 × TSN 606 S 2 × TSN 507 S 2 × TSN 206 S –	2 × TSN 606 ND 2 × TSN 507 ND 2 × TSN 206 ND –	ASNH 507-606
<b>507-606</b>	25 30 35 45	TSN 606 G TSN 507 G TSN 306 G –	TSN 606 A TSN 507 A TSN 306 A –	CR 400250 CR 400300 CR 400350 –	TSN 606 C TSN 507 C – –	– – – 2 × FS 170	2 × TSN 606 S 2 × TSN 507 S 2 × TSN 306 S –	2 × TSN 606 ND 2 × TSN 507 ND 2 × TSN 306 ND –	ASNH 507-606
<b>207</b>	40 45 55	TSN 509 G TSN 207 G –	TSN 509 A TSN 207 A –	CR 400400 CR 400450 –	TSN 509 C – –	– – 4 × FS 170	2 × TSN 509 S 2 × TSN 207 S –	2 × TSN 509 ND 2 × TSN 207 ND –	ASNH 509
<b>508-607</b>	30 35 50	TSN 607 G TSN 508 G –	TSN 607 A TSN 508 A –	CR 400300 CR 400350 –	TSN 607 C TSN 508 C –	– – 4 × FS 170	2 × TSN 607 S 2 × TSN 508 S –	2 × TSN 607 ND 2 × TSN 508 ND –	ASNH 508-607
<b>208-307</b>	35 45 50 60	TSN 608 G TSN 307 G TSN 208 G –	TSN 608 A TSN 307 A TSN 208 A –	CR 400350 CR 400450 CR 400500 –	TSN 608 C – – –	– – – 4 × FS 170	2 × TSN 608 S 2 × TSN 307 S 2 × TSN 208 S –	2 × TSN 608 ND 2 × TSN 307 ND 2 × TSN 208 ND –	ASNH 510-608
<b>509</b>	40 45 55	TSN 509 G TSN 307 G –	TSN 509 A TSN 307 A –	CR 400400 CR 400450 –	TSN 509 C – –	– – 4 × FS 170	2 × TSN 509 S 2 × TSN 307 S –	2 × TSN 509 ND 2 × TSN 307 ND –	ASNH 509
<b>209</b>	40 50 55 65	TSN 609 G TSN 511 G TSN 209 G –	TSN 609 A TSN 511 A TSN 209 A –	CR 400400 CR 400500 CR 400550 –	TSN 609 C TSN 511 C – –	– – – 4 × FS 170	2 × TSN 609 S 2 × TSN 511 S 2 × TSN 209 S –	2 × TSN 609 ND 2 × TSN 511 ND 2 × TSN 209 ND –	ASNH 511-609
<b>510-608</b>	35 45 50 60	TSN 608 G TSN 510 G TSN 308 G –	TSN 608 A TSN 510 A TSN 308 A –	CR 400350 CR 400450 CR 400500 –	TSN 608 C TSN 510 C – –	– – – 4 × FS 170	2 × TSN 608 S 2 × TSN 510 S 2 × TSN 308 S –	2 × TSN 608 ND 2 × TSN 510 ND 2 × TSN 308 ND –	ASNH 510-608

Consult SKF USA Inc. prior to design change or order placement.

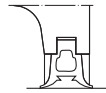
Sealing arrangements for  
SNL plummer block housings  
Size 210 — 516-613



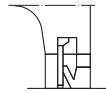
Housing series 5



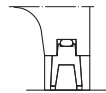
Housing series 2



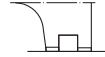
Design G  
Split



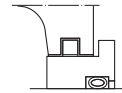
Design A  
Unsplit



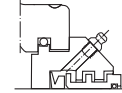
Design C  
Split



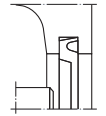
Design C  
Felt strips  
Split



Design S  
Unsplit



Design ND



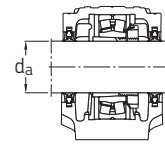
End cover

Housing Size	Shaft dia. $d_a, d_b$	Seal sets Design G 2 double-lip seals	Design A 2 V-ring seals	Loose V-ring	Design C 2 felt strips	Loose felt strips	Design S 2 labyrinth seals	Design ND	End cover
–	mm	–							–
<b>210</b>	45	TSN 610 G	TSN 610 A	CR 400450	TSN 610 C	–	2 × TSN 610 S	2 × TSN 610 ND	ASNH 512-610
	55	TSN 512 G	TSN 512 A	CR 400550	TSN 512 C	–	2 × TSN 512 S	2 × TSN 512 ND	
	60	TSN 210 G	TSN 210 A	CR 400600	–	–	2 × TSN 210 S	2 × TSN 210 ND	
	70	–	–	–	–	4 × FS 170	–	–	
<b>511-609</b>	40	TSN 609 G	TSN 609 A	CR 400400	TSN 609 C	–	2 × TSN 609 S	2 × TSN 609 ND	ASNH 511-609
	50	TSN 511 G	TSN 511 A	CR 400500	TSN 511 C	–	2 × TSN 511 S	2 × TSN 511 ND	
	55	TSN 309 G	TSN 309 A	CR 400550	–	–	2 × TSN 309 S	2 × TSN 309 ND	
	65	–	–	–	–	4 × FS 170	–	–	
<b>211</b>	50	TSN 611 G	TSN 611 A	CR 400500	TSN 611 C	–	2 × TSN 611 S	2 × TSN 611 ND	ASNH 513-611
	60	TSN 513 G	TSN 513 A	CR 400600	TSN 513 C	–	2 × TSN 513 S	2 × TSN 513 ND	
	65	TSN 211 G	TSN 211 A	CR 400650	–	–	2 × TSN 211 S	2 × TSN 211 ND	
	75	–	–	–	–	4 × FS 170	–	–	
<b>512-610</b>	45	TSN 610 G	TSN 610 A	CR 400450	TSN 610 C	–	2 × TSN 610 S	2 × TSN 610 ND	ASNH 512-610
	55	TSN 512 G	TSN 512 A	CR 400550	TSN 512 C	–	2 × TSN 512 S	2 × TSN 512 ND	
	60	TSN 310 G	TSN 310 A	CR 400600	–	–	2 × TSN 310 S	2 × TSN 310 ND	
	70	–	–	–	–	4 × FS 170	–	–	
<b>212</b>	55	TSN 612 G	TSN 612 A	CR 400550	TSN 612 C	–	2 × TSN 612 S	2 × TSN 612 ND	ASNH 515-612
	65	TSN 515 G	TSN 515 A	CR 400650	TSN 515 C	–	2 × TSN 515 S	2 × TSN 515 ND	
	70	TSN 212 G	TSN 212 A	CR 400700	–	–	2 × TSN 212 S	2 × TSN 212 ND	
	85	–	–	–	–	4 × FS 170	–	–	
<b>513-611</b>	50	TSN 611 G	TSN 611 A	CR 400500	TSN 611 C	–	2 × TSN 611 S	2 × TSN 611 ND	ASNH 513-611
	60	TSN 513 G	TSN 513 A	CR 400600	TSN 513 C	–	2 × TSN 513 S	2 × TSN 513 ND	
	65	TSN 311 G	TSN 311 A	CR 400650	–	–	2 × TSN 311 S	2 × TSN 311 ND	
	75	–	–	–	–	4 × FS 170	–	–	
<b>213</b>	60	TSN 613 G	TSN 613 A	CR 400600	TSN 613 C	–	2 × TSN 613 S	2 × TSN 613 ND	ASNH 516-613
	70	TSN 516 G	TSN 516 A	CR 400700	TSN 516 C	–	2 × TSN 516 S	2 × TSN 516 ND	
	75	TSN 213 G	TSN 213 A	CR 400750	–	–	2 × TSN 213 S	2 × TSN 213 ND	
	90	–	–	–	–	4 × FS 170	–	–	
<b>515-612</b>	55	TSN 612 G	TSN 612 A	CR 400550	TSN 612 C	–	2 × TSN 612 S	2 × TSN 612 ND	ASNH 515-612
	65	TSN 515 G	TSN 515 A	CR 400650	TSN 515 C	–	2 × TSN 515 S	2 × TSN 515 ND	
	70	TSN 312 G	TSN 312 A	CR 400700	–	–	2 × TSN 312 S	2 × TSN 312 ND	
	85	–	–	–	–	4 × FS 170	–	–	
<b>215</b>	65	TSN 615 G	TSN 615 A	CR 400650	TSN 615 C	–	2 × TSN 615 S	2 × TSN 615 ND	ASNH 518-615
	80	TSN 518 G	TSN 518 A	CR 400800	TSN 518 C	–	2 × TSN 518 S	2 × TSN 518 ND	
	85	TSN 215 G	TSN 215 A	CR 400850	–	–	2 × TSN 215 S	2 × TSN 215 ND	
	100	–	–	–	–	4 × FS 170	–	–	
<b>516-613</b>	60	TSN 613 G	TSN 613 A	CR 400600	TSN 613 C	–	2 × TSN 613 S	2 × TSN 613 ND	ASNH 516-613
	70	TSN 516 G	TSN 516 A	CR 400700	TSN 516 C	–	2 × TSN 516 S	2 × TSN 516 ND	
	75	TSN 313 G	TSN 313 A	CR 400750	–	–	2 × TSN 313 S	2 × TSN 313 ND	
	90	–	–	–	–	4 × FS 170	–	–	

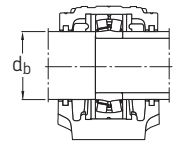
Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

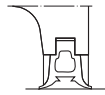
Sealing arrangements for  
SNL plummer block housings  
Size 216 — 532



Housing series 5



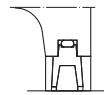
Housing series 2



Design G  
Split



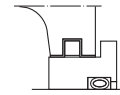
Design A  
Unsplit



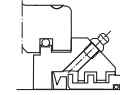
Design C  
Split



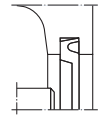
Design C  
Felt strips  
Split



Design S  
Unsplit



Design ND



End cover

Housing Size	Shaft dia. $d_a, d_b$	Seal sets Design G 2 double-lip seals	Design A 2 V-ring seals	Loose V-ring	Design C 2 felt strips	Loose felt strips	Design S 2 labyrinth seals	Design ND	End cover
–	mm	–	–	–	–	–	–	–	–
<b>216</b>	90 105	TSN 216 G –	TSN 216 A –	CR 400900 –	– –	– 2 × FS 170	2 × TSN 216 S –	2 × TSN 216 ND –	ASNH 216
<b>517</b>	75 80 95	TSN 517 G TSN 314 G –	TSN 517 A TSN 314 A –	CR 400750 CR 400800 –	TSN 517 C TSN 314 C –	– – 2 × FS 170	2 × TSN 517 S 2 × TSN 314 S –	2 × TSN 517 ND 2 × TSN 314 ND –	ASNH 517
<b>217</b>	95	TSN 217 G	TSN 217 A	CR 400950	–	–	2 × TSN 217 S	2 × TSN 217 ND	ASNH 217
<b>518-615</b>	65 80 85 100	TSN 615 G TSN 518 G TSN 315 G –	TSN 615 A TSN 518 A TSN 315 A –	CR 400650 CR 400800 CR 400850 –	TSN 615 C TSN 518 C – –	– – – 2 × FS 170	2 × TSN 615 S 2 × TSN 518 S 2 × TSN 315 S –	2 × TSN 615 ND 2 × TSN 518 ND 2 × TSN 315 ND –	ASNH 518-615
<b>218</b>	100	TSN 218 G	TSN 218 A	CR 401000	–	–	2 × TSN 218 S	2 × TSN 218 ND	ASNH 218
<b>519-616</b>	70 85 90	TSN 616 G TSN 519 G TSN 316 G	TSN 616 A TSN 519 A TSN 316 A	CR 400700 CR 400850 CR 400900	TSN 616 C TSN 519 C –	– – –	2 × TSN 616 S 2 × TSN 519 S 2 × TSN 316 S	2 × TSN 616 ND 2 × TSN 519 ND 2 × TSN 316 ND	ASNH 519-616
<b>520-617</b>	75 90 95 115	TSN 617 G TSN 520 G TSN 317 G TSN 220 G	TSN 617 A TSN 520 A TSN 317 A TSN 220 A	CR 400750 CR 400900 CR 400950 CR 401100	TSN 617 C TSN 520 C – –	– – – –	2 × TSN 617 S 2 × TSN 520 S 2 × TSN 317 S 2 × TSN 220 S	2 × TSN 617 ND 2 × TSN 520 ND 2 × TSN 317 ND 2 × TSN 220 ND	ASNH 520-617
<b>522-619</b>	85 100 110 125	TSN 619 G TSN 522 G – TSN 222 G	TSN 619 A TSN 522 A TSN 319 A TSN 222 A	CR 400850 CR 401000 CR 401100 CR 401300	TSN 619 C TSN 522 C – –	– – – –	2 × TSN 619 S 2 × TSN 522 S 2 × TSN 319 S 2 × TSN 222 S	2 × TSN 619 ND 2 × TSN 522 ND 2 × TSN 319 ND 2 × TSN 222 ND	ASNH 522-619
<b>524-620</b>	90 110 115 135	TSN 620 G TSN 524 G – TSN 224 G	TSN 620 A TSN 524 A TSN 320 A TSN 224 A	CR 400900 CR 401100 CR 401100 CR 401300	TSN 620 C TSN 524 C – –	– – – –	2 × TSN 620 S 2 × TSN 524 S 2 × TSN 320 S 2 × TSN 224 S	2 × TSN 620 ND 2 × TSN 524 ND 2 × TSN 320 ND 2 × TSN 224 ND	ASNH 524-620
<b>526</b>	115 145	TSN 526 G TSN 226 G	TSN 526 A TSN 226 A	CR 401100 CR 401500	TSN 526 C –	– –	2 × TSN 526 S 2 × TSN 226 S	2 × TSN 526 ND 2 × TSN 226 ND	ASNH 526
<b>528</b>	125 155	TSN 528 G TSN 228 G	TSN 528 A TSN 228 A	CR 401300 CR 401500	TSN 528 C TSN 228 C	– –	2 × TSN 528 S 2 × TSN 228 S	2 × TSN 528 ND 2 × TSN 228 ND	ASNH 528
<b>530</b>	135 165	TSN 530 G TSN 230 G	TSN 530 A TSN 230 A	CR 401300 CR 401700	TSN 530 C –	– –	2 × TSN 530 S 2 × TSN 230 S	2 × TSN 530 ND 2 × TSN 230 ND	ASNH 530
<b>532</b>	140 175	TSN 532 G TSN 232 G	TSN 532 A TSN 232 A	CR 401400 CR 401700	TSN 532 C –	– –	2 × TSN 532 S 2 × TSN 232 S	2 × TSN 532 ND 2 × TSN 232 ND	ASNH 532

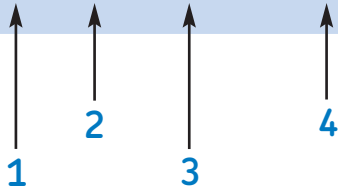
Consult SKF USA Inc. prior to design change or order placement.



# Split pillow blocks

SNL 30 and SNL 31 (metric series)

SNL D 3134 TSSN



## 1. Basic design:

SNL

## 2. Material:

- Housing of gray cast-iron
- D** Housing of spheroidal graphite cast-iron (ductile-iron)

## 3. Housing size:

3036 to 30/500  
3134 to 3196

## 4. Suffix:

- Housing for bearing with adapter sleeve and through shaft
- G** Housing for bearing with cylindrical bore and for stepped shaft
- A** Housing for shaft end, with end cover at one side
- TS** Housing with labyrinth seal(s)
- TNF** Housing with taconite seal(s)
- V** Housing with grease escape holes in base
- T** Drilled and tapped hole at one side of cap to take grease nipple for relubrication of seals; nipple supplied with housing
- TD** Drilled and tapped hole at both sides of cap to take grease nipple for relubrication of seals; two nipples supplied with housing
- SN** Housing with drilled and tapped hole for sensor
- TURT** Housing prepared for oil lubrication (spherical roller bearing) with seals
- TURA** Housing prepared for oil lubrication (CARB bearing) with seals

## Introduction

### Fewer bearing replacements and less maintenance

#### **Plummer (pillow) block housings have much to offer**

The main benefit of split plummer block housings is their easy installation; pre-assembled shafts can be mounted in them. When the housing bases are attached to the base plate it is then only necessary to place the housing caps in position and to tighten the attachment bolts to complete the installation.

Split plummer block housings available on the market are mainly intended for self-aligning ball bearings, spherical roller bearings and CARB toroidal roller bearings. The housings can accommodate bearings in the 02, 03, 22, 23, 30, 31, 32, 39, 40 and 41 ISO Dimension Series. They can often be fitted with a variety of seals. Several designs and variants of split plummer block housings are available, making the use of tailored housings unnecessary and thus enabling cost-effective bearing arrangements to be made.

For many years SKF has been one of the leading suppliers of split plummer block housings – synonymous with operational reliability and quality.

#### **SNL 30 and SNL 31 plummer (pillow) block housings have more to offer**

SNL plummer block housings in the 30 and 31 series are also referred to as “Large SNL plummer block housings”.

These plummer block housings enable the bearings to achieve maximum bearing service life with less need for maintenance. This supports user efforts to further reduce maintenance costs. Among other enhancements, SNL housings are designed for easy alignment and handling during installation.

Another benefit is the choice of oil or grease lubrication for the bearings housed in SNL plummer blocks. A range of seals for oil lubrication and difficult environments provide trouble-free operation.



## One basic design – many variants

Large SNL plummer block housings are intended for spherical roller bearings and CARB toroidal bearings. The housings are designed on a “building block” principle. This enables more possibilities when it comes to selecting the bearing designs, shaft, seals and the type of lubricant and/or lubrication delivery system.

### A building block system

The basis of the original SNL plummer block housing system consists of a number of housings with the same basic design but in different sizes. By combining the housings with the different standard seals, a wide variety of variants, all belonging to the standard range, can be supplied to cover most applications.

SNL 30 and 31 series housings are available for shaft diameters ranging from 150 to 530 mm, inclusive.

The standard range also covers housings with drilled and tapped holes for lubrication fittings. Upon request, housings can be drilled for condition monitoring.

SNL 30 and 31 series plummer block housings are made of grey cast iron and demonstrate the same high strength as the earlier SD housings. Should, however, this strength be inadequate, dimensionally equivalent SNLD plummer block housings made of spheroidal graphite cast iron are available.

The large SNL and SNLD plummer block housings in the 31 series are dimensionally interchangeable with the earlier SD and SDD housings. However, for SNL and SNLD plummer block housings in the 30 series, one needs to check the bearing axial position, as the bearing center is off-set compared to the housing base center (dimension  $s$  in the tables). The housing boundary dimensions conform to ISO 113:1999.

### Several sealing options

An important advantage of the SNL plummer block housings is that they can be fitted with a choice of seals. The standard seals supplied by SKF for the large SNL 30 and 31 series housings include labyrinth seals and heavy-duty “taconite” seals as well as end covers. Oil seals are also available and are supplied together with the housing, as the housing has to be modified to accommodate the seal.

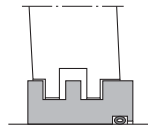


## Seals

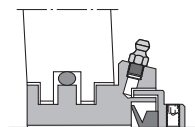
### Standard seals

The standard seals available from SKF for large SNL housings (series SNL 30 and SNL 31) are one-piece labyrinth seals and the heavy-duty "taconite" seals. The seals are easy to install and are supplied separately.

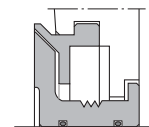
The standard seals as well as the seals for use with oil lubrication are presented in **Table 1**, which gives a comprehensive overview of the seal types, their design features and their suitability for various operating conditions. Detailed information on the various standard and special seals including properties and availability will be found on pages 491 to 492.



TSN ..



TNF ..



TSD .. U<sup>1)</sup>

Table 1

Seal selection	TSN..	TNF..	TSD..U <sup>1)</sup>
<b>Properties</b>			
Temperature, °F °C	-58° to +392° F (-50° to +200° C)	-40° to +212° F (-40° to +100° C)	-58° to +392° F (-50° to +200° C)
Peripheral speed	++	≤ 39 ft/sec (12 m/sec)	++
Misalignment, minutes	≤ 18	≤ 18	≤ 18
Grease relubrication	+	+	-
Oil lubrication	-	-	++
Low friction	++	+	++
Axial shaft displacement	+	+	-
Vertical arrangement	--	-	--
<b>Sealing ability against</b>			
Dust	+	++	+
Fine particulate contaminants	+	++	+
Coarse particulate contaminants	+	++	+
Abrasive contaminants	++	++	++
Liquids when sprayed	--	++	-
Direct sunlight	++	++	++
Symbols: ++ very suitable + suitable - limited suitability -- unsuitable			

<sup>1)</sup> The oil seals are supplied together with housings prepared for oil lubrication. Oil seals can be ordered separately as spares only.

### Labyrinth seals

The labyrinth rings (**Figure 1**) are made of cast-iron and have three radially arranged labyrinth steps which form a narrow sealing gap with the housing grooves.

Hollow O-ring cords of silicone rubber (supplied with the seals) ensure that the labyrinth rings, which are mounted with a loose fit, rotate with the shaft. Angular misalignments of the shaft up to approximately 18 minutes are permissible. The operating temperature range for the labyrinth seals is  $-58^{\circ}$  to  $+392^{\circ}$  F ( $-50^{\circ}$  to  $+200^{\circ}$  C).

When labyrinth seals are used, axial movement of the shaft relative to the housing is not limited.

The labyrinth seals are supplied individually. For bearing arrangements for through shafts, it is therefore necessary to order two rings. The labyrinth seal is identified by the prefix TS followed by the size identification, e.g. TS 34.

### Taconite heavy-duty seals

Taconite is a very fine-grained mineral, which is extremely difficult to seal out. For bearing arrangements, which must operate under very arduous conditions (such as those encountered in mining), labyrinth seals, which can be relubricated, are recommended as grease enhances the sealing effect and extends the serviceability of the seals. SKF has developed a heavy-duty seal (which can seal out taconite, hence the name), which can be supplied for use with SNL housings.

The taconite seal design (**Figure 2**) is based on a labyrinth seal with the labyrinth stages arranged axially and fits the standard housings. A V-ring seal mounted on the shaft seals against the non-rotating part of the seal, which is inserted in the seal groove, prevents contaminants from penetrating to the bearing when the seal is relubricated. This grease is supplied via a grease nipple on the non-rotating part of the seal. Angular misalignments of the shaft of up to approximately 18 minutes are possible.

The permissible operating temperature range for the seal is between  $-40^{\circ}$  to  $+212^{\circ}$  F ( $-40^{\circ}$  and  $+100^{\circ}$  C). Please contact SKF for applications above  $212^{\circ}$  F ( $100^{\circ}$  C). The rubber O-ring and V-ring limit the operating temperature to  $212^{\circ}$  F ( $100^{\circ}$  C). However, SKF can supply high temperature O-rings and V-rings made of fluoro rubber for operation at higher temperatures.

The axial movement of the shaft relative to the housing is limited for this type of taconite seal to approximately  $\pm 2$  mm for sizes from 150 up to 200 mm and  $\pm 4$  mm for larger shaft diameters.

These seals are supplied individually so that for housings used on through shafts, it is necessary to order two seals. The seal is identified by the prefix TNF followed by the size identification, e.g. TNF 34.

### Seals for oil lubrication

Special seals (oil seals) are required to prevent oil from escaping from the housing when oil lubrication is applied. For SNL housings, SKF has developed the non-rubbing seal of the U-design (**Figure 3**). These U-seals require modified housings and comprise two parts: one which is stationary and fitted in the modified seal groove, and the other which is mounted on the shaft and rotates. The hollow O-ring cords of silicone rubber inserted between the labyrinth ring and the shaft allows the ring, which is mounted with a loose fit, to rotate with the shaft, and oil cannot escape along the shaft. These oil seals do not limit axial movement of the shaft relative to the housing.

The modified SNL housing is supplied together with the seals as a unit. The housings with seals are identified by the suffix TURT (TURA for CARB bearings) e.g. SNL 3134 TURT. The seal itself is designated TSD .. U.

Figure 1

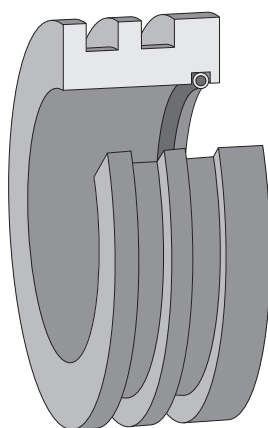


Figure 2

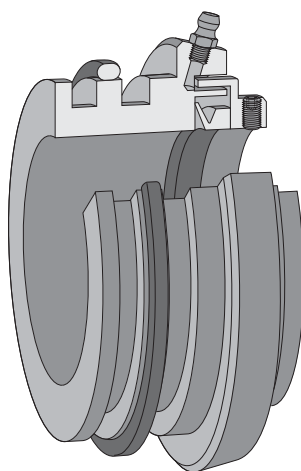
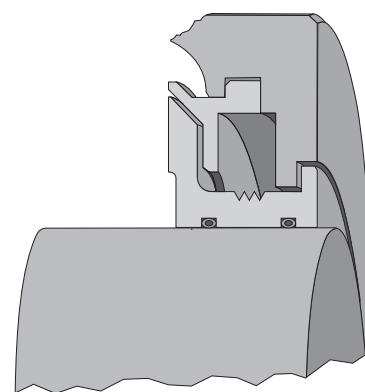


Figure 3



## Seals

### Special seals

In applications where, for some reason the standard seals cannot be used, special seals must be fitted. The SNL housings can be supplied without seals for such applications and are relatively easy to equip with special seals. It is recommended that housings of series SNL .. G are used rather than those of series SNL as they have a comparatively larger bore at the shaft entrance. There is therefore more room to accommodate a seal, so that there are more choices for seal design.

Special seals are not normally supplied by SKF. Therefore, the relevant housing dimensions are given in **Tables 2 and 3**.

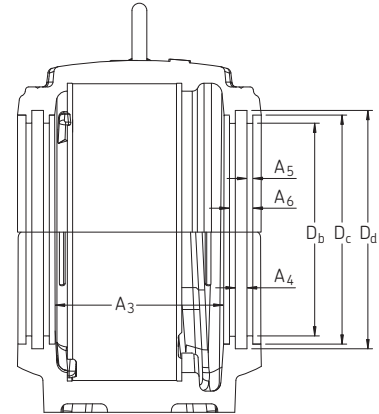


Table 2

Sealing groove dimensions							
Housing Size	Dimensions						
	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	D <sub>b</sub>	D <sub>c</sub>	D <sub>d</sub>
–	mm						
SNL 3036	158	11	5.5	22	181.2	196.4	205.2
SNL 3038	168	11	5.5	22	191.4	206.4	215.4
SNL 3040	186	11	5.5	22	201.4	216.4	225.4
SNL 3044	206	11	5.5	22	221.4	236.4	245.4
SNL 3048	214	11	5.5	22	241.4	256.4	265.4
SNL 3052	231	11	5.5	22	261.6	276.6	285.6
SNL 3056	249	11	5.5	22	281.6	296.6	305.6
SNL 3060	249	11	5.5	22	301.6	316.6	325.6
SNL 3064	279	11	5.5	22	321.8	336.8	345.8
SNL 3068	299	11	5.5	22	342.4	357.4	366.4
SNL 3072	297	11	5.5	22	362.4	377.4	386.4
SNL 3076	328	11	5.5	22	382.4	397.4	406.4
SNL 3080	328	11	5.5	22	402.8	417.8	426.8
SNL 3084	328	11	5.5	22	422.8	437.8	446.8
SNL 3088	358	11	5.5	22	442.8	457.8	466.8
SNL 3092	388	11	5.5	22	463	478	487
SNL 3096	388	11	5.5	22	483	498	507
SNL 30/500	388	11	5.5	22	503	518	527
SNL 30/530	398	11	5.5	22	533	548	557
SNL 3134	159	11	5.5	22	171.2	186.4	195.2
SNL 3136	169	11	5.5	22	181.2	196.4	205.2
SNL 3138	187	11	5.5	22	191.4	206.4	215.4
SNL 3140	207	11	5.5	22	201.4	216.4	225.4
SNL 3144	215	11	5.5	22	221.4	236.4	245.4
SNL 3148	231	11	5.5	22	241.4	256.4	265.4
SNL 3152	249	11	5.5	22	261.6	276.6	285.6
SNL 3156	249	11	5.5	22	281.6	296.6	305.6
SNL 3160	280	11	5.5	22	301.6	316.8	325.6
SNL 3164	300	11	5.5	22	321.8	336.8	345.8
SNL 3168	328	11	5.5	22	342.4	357.4	366.4
SNL 3172	328	11	5.5	22	362.4	377.4	386.4
SNL 3176	328	11	5.5	22	382.4	397.4	406.4
SNL 3180	358	11	5.5	22	402.8	417.8	426.8
SNL 3184	388	11	5.5	22	422.8	437.8	446.8
SNL 3188	388	11	5.5	22	442.8	457.8	466.8
SNL 3192	398	11	5.5	22	463	478	487
SNL 3196	398	11	5.5	22	483	498	507

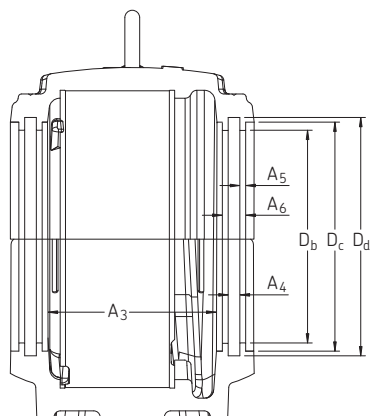


Table 3

## Sealing groove dimensions

Housing	Dimensions						
Size	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	D <sub>b</sub>	D <sub>c</sub>	D <sub>d</sub>
–	mm						
SNL 3036 G	156	11	5.5	22	221.4	236.4	245.4
SNL 3038 G	166	11	5.5	22	221.4	236.4	245.4
SNL 3040 G	184	11	5.5	22	241.4	256.4	265.4
SNL 3044 G	203	11	5.5	22	261.6	276.6	285.6
SNL 3048 G	211	11	5.5	22	281.6	296.6	305.6
SNL 3052 G	228	11	5.5	22	301.6	316.8	325.6
SNL 3056 G	247	11	5.5	22	321.8	336.8	345.8
SNL 3060 G	247	11	5.5	22	341.8	356.8	365.8
SNL 3064 G	277	11	5.5	22	361.8	376.8	385.8
SNL 3068 G	295	11	5.5	22	381.8	396.8	405.8
SNL 3072 G	293	11	5.5	22	401.8	416.8	425.8
SNL 3076 G	325	11	5.5	22	422.8	437.8	446.8
SNL 3080 G	325	11	5.5	22	463	478	487
SNL 3084 G	325	11	5.5	22	483	498	507
SNL 3088 G	354	11	5.5	22	503	518	527
SNL 3092 G	384	11	5.5	22	533	548	557
SNL 3096 G	384	11	5.5	22	533	548	557
SNL 30/500 G	384	11	5.5	22	563	578	587
SNL 30/530 G	392	11	5.5	22	603	618	627
SNL 3134 G	157	11	5.5	22	201.4	216.4	225.4
SNL 3136 G	166	11	5.5	22	221.4	236.4	245.4
SNL 3138 G	185	11	5.5	22	221.4	236.4	245.4
SNL 3140 G	204	11	5.5	22	241.4	256.4	265.4
SNL 3144 G	213	11	5.5	22	261.6	276.6	285.6
SNL 3148 G	230	11	5.5	22	281.6	296.6	305.6
SNL 3152 G	248	11	5.5	22	301.6	316.8	325.6
SNL 3156 G	248	11	5.5	22	321.8	336.8	345.8
SNL 3160 G	278	11	5.5	22	341.8	356.8	365.8
SNL 3164 G	297	11	5.5	22	361.8	376.8	385.8
SNL 3168 G	325	11	5.5	22	382.4	397.4	406.4
SNL 3172 G	325	11	5.5	22	402.8	417.8	426.8
SNL 3176 G	325	11	5.5	22	422.8	437.8	446.8
SNL 3180 G	354	11	5.5	22	463	478	487
SNL 3184 G	384	11	5.5	22	483	498	507
SNL 3188 G	384	11	5.5	22	503	518	527
SNL 3192 G	395	11	5.5	22	533	548	557
SNL 3196 G	394	11	5.5	22	563	578	587

## End covers

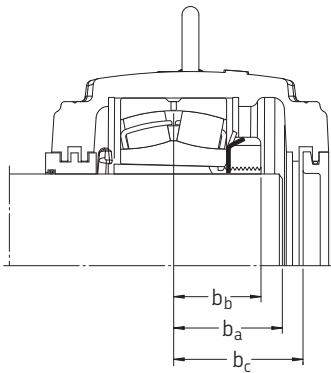
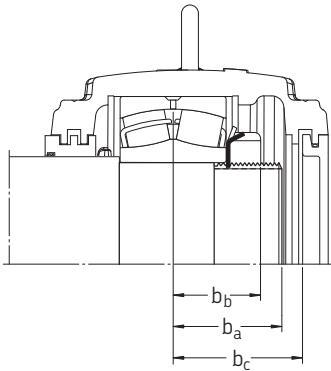


Table 4

### Permissible length of shaft end

Housing Size	Bearing	Dimensions			
		$b_a$ min	$b_a$ max <sup>1)</sup>	$b_b$	$b_c$
mm					
SNL 3036	23036	72	102	66.5	107.5
	24036	85	102	79.5	107.5
SNL 3038	23038	73	108	68	113.5
	24038	86	108	80.5	113.5
SNL 3040	23040	78	112	72.5	117.5
	24040	91	112	86	117.5
SNL 3044	23044	91	122	86	127.5
	24044	105	122	100	127.5
SNL 3048	23048	97	128	92	133.5
	24048	110	128	105	133.5
SNL 3052	23052	103	136	98	141.5
	24052	121	136	116	141.5
SNL 3056	23056	108	146	103	151.5
	24056	125	146	120	151.5
SNL 3060	23060	118	149	113	154.5
	24060	139	149	134	154.5
SNL 3064	23064	121	170	115.5	175.5
	24064	140	170	135	175.5
SNL 3068	23068	130	181	124.5	186.5
	24068	153	181	148	186.5
SNL 3072	23072	130	181	125	186.5
	24072	153	181	148	186.5
SNL 3076	23076	134.5	197	129.5	202.5
	24076	157	197	152	202.5
SNL 3080	23080	145	203	140	208.5
	24080	171	203	166	208.5
SNL 3084	23084	146	203	141	208.5
	24084	171	203	166	208.5
SNL 3088	23088	160.5	218	155.5	223.5
	24088	188	218	183	223.5
SNL 3092	23092	163.5	238	158.5	243.5
	24092	191	238	186	243.5
SNL 3096	23096	164.5	238	159.5	243.5
	24096	191	238	186	243.5
SNL 30/500	230/500	173.5	238	168.5	243.5
	240/500	199	238	194	243.5
SNL 30/530	230/530	187.5	243	182.5	248.5
	240/530	220	243	215	248.5
SNL 3134	23134	78	102	73	107.5
SNL 3136	23136	83	108	78	113.5
SNL 3138	23138	88	112	83	117.5
SNL 3140	23140	93	122	88	127.5
SNL 3144	23144	100	128	95	133.5
SNL 3148	23148	106	136	101	141.5
SNL 3152	23152	116	146	111	151.5
SNL 3156	23156	119	149	114	154.5
SNL 3160	23160	138	170	133	175.5
SNL 3164	23164	149	181	144	186.5
SNL 3168	23168	172	197	167	202.5
SNL 3172	23172	176	203	171	208.5
SNL 3176	23176	179	203	174	208.5
SNL 3180	23180	187	218	182	223.5
SNL 3184	23184	207	238	202	243.5
SNL 3188	23188	208	238	203	243.5
SNL 3192	23192	220	243	215	248.5
SNL 3196	23196	224	243	219	248.5

<sup>1)</sup> For non-locating arrangements, which are not mounted centrally in the bearing seating, the value of  $b_{a \max}$  must be correspondingly reduced

## End covers

For housings mounted at the ends of shafts, the one opening should be fitted with an end cover, which fits into the seal groove (Figure 4). Details of the permissible length of the shaft end can be found in Table 4. The end covers are of cast-iron and are inserted with a hollow O-ring cord of silicone rubber in the seal groove in the housing. The end covers are suitable for operating temperatures in the range  $-58^{\circ}$  to  $+392^{\circ}$  F ( $-50^{\circ}$  to  $+200^{\circ}$  C).

The standard end cover is designated by the prefix ETS followed by the housing size identification, e.g. ETS 34. End covers for oil lubricated SNL housings are identified by suffix R, e.g. ETS 34 R.

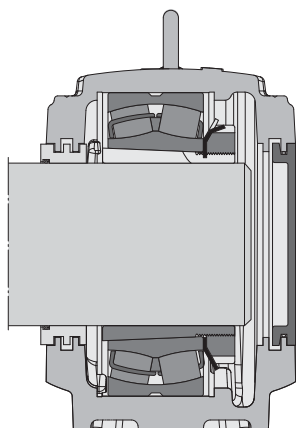
## Locating rings

The bearing seating in the housing is sufficiently wide to enable the bearing to be displaced axially. The locating or held bearing **must** always be fixed axially in position in the housing bore by locating rings at both sides (Figure 5).

CARB bearings are non-locating bearings and cannot take axial loads. Since axial displacement is accommodated within a CARB bearing (together with any misalignment), it is necessary to locate the outer ring axially in its seating by inserting locating rings at each side of the bearing.

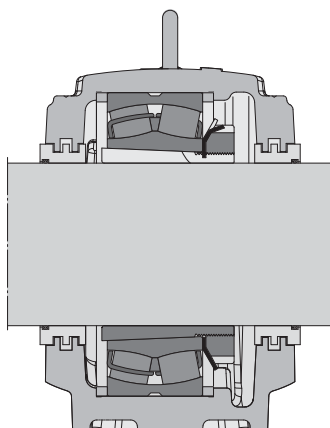
The locating rings are identified by the prefix FRB followed by figures giving the width/outside diameter in millimeters, e.g. FRB 10/280.

Figure 4



*Housing with end cover*

Figure 5



*Housing with locating rings at both sides of bearing*

## Lubrication

### Lubrication

SNL plummer block housings are designed so that the bearings can be lubricated with grease or oil, although grease lubrication is generally preferred. The lubricant should be selected with reference to the operating conditions.

### Grease lubrication

In the majority of applications, the amount of grease applied to the SNL housings when mounting (initial fill) or after an inspection is adequate until the next planned inspection.

Certain operating conditions, e.g. high speeds, high temperatures or heavy loads, may mean that more frequent relubrication is necessary.

**Table 5** gives guideline values for the grease quantities to be applied for the first fill.

Markings in each corner inside the base give an indication of the grease level for the initial fill (**Figure 6**).

There are three drilled and tapped holes for a grease nipple AH 1/8-27 PTF in the housing: two in the cap and one in the base. These holes are closed by metallic plugs. The two markings at the outer sides of the central ridge indicate the position for lubrication holes for the seals.

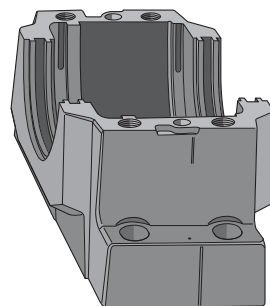
Table 5

#### Grease quantities

Housing Size	Grease quantity First fill <sup>1)</sup>
–	kg
SNL 3036	1.2
SNL 3038	1.5
SNL 3040	2.0
SNL 3044	2.7
SNL 3048	3.0
SNL 3052	3.9
SNL 3056	4.9
SNL 3060	5.2
SNL 3064	7.0
SNL 3068	8.7
SNL 3072	10.9
SNL 3076	10.9
SNL 3080	11.7
SNL 3084	11.8
SNL 3088	14.4
SNL 3092	18.8
SNL 3096	18.5
SNL 30/500	20.0
SNL 30/530	21.5
SNL 3134	1.1
SNL 3136	1.4
SNL 3138	1.8
SNL 3140	2.3
SNL 3144	2.7
SNL 3148	3.4
SNL 3152	4.3
SNL 3156	4.4
SNL 3160	6.2
SNL 3164	7.7
SNL 3168	9.4
SNL 3172	9.7
SNL 3176	9.6
SNL 3180	12.2
SNL 3184	14.9
SNL 3188	16.2
SNL 3192	17.4
SNL 3196	17.2

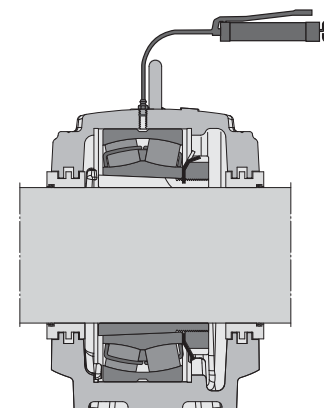
1) Fills approximately 40 % of the free space in the housing

Figure 6



Grease level markings for first fill

Figure 7



Lubricating the bearing via the outer ring



A grease nipple AH 1/8-27 PTF is supplied with the housing. The grease nipple kit also contains a plastic grease nipple protector, a grease nipple M1 G 1/8 and an adapter LAPN 1/8. This adapter transforms the standard drilled 1/8-27 NPSF thread to a G 1/4 which enables the use of grease lubricators such as SKF SYSTEM 24.

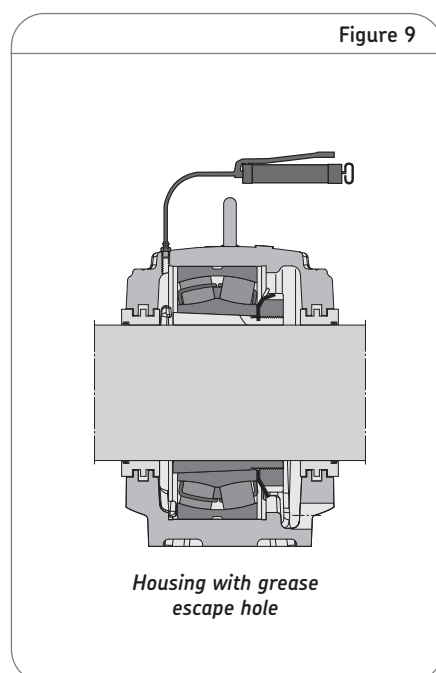
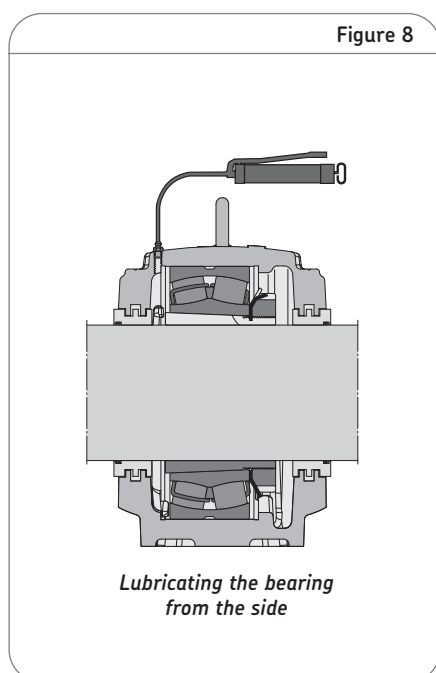
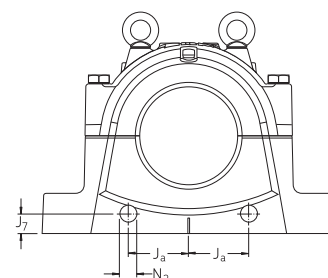
It is recommended that spherical roller bearings having a lubrication groove and three holes in the outer ring (designation suffix W33) be lubricated via this feature (**Figure 7**). In this case the relubrication hole in the base or in the center of the cap should be used.

It should be noted that when spherical roller bearings are to be relubricated via the outer ring, they should be rotated. If outer ring relubrication is not possible or if CARB bearings are used, the standard grease nipple supplied with the housing should be inserted in the hole on the side of the cap and used for this purpose (**Figure 8**). If it is desired to use a grease nipple other than that supplied with the housing, adapters are available which make a reworking of the available drilled and tapped hole unnecessary.

Where the bearings are mounted on adapter sleeves, the grease should be introduced at the side opposite to the lock nut of the sleeve.

If frequent relubrication is required, it is advisable to provide the housing with grease escape holes (**Figure 9**) through which excess grease can escape. Recommended dimensions will be found in **Table 6**. SNL housings with grease escape holes in the base can be supplied. This housing design is identified by the suffix V, e.g. SNL 3134 V.

SNL housings can also be equipped with grease lubricators. Recommended are the SKF SYSTEM 24 lubricators (e.g. LAGD 125/WA2), which provide a reliable alternative to manual relubrication.



**Table 6**

**Recommended dimensions for grease escape holes**

Housing Size	Dimensions		
	Ja	J7	N3
–	mm		
SNL 3036	105	34	30
SNL 3038	110	38	30
SNL 3040	120	36	30
SNL 3044	120	36	30
SNL 3048	130	42	40
SNL 3052	145	43	40
SNL 3056	150	44	40
SNL 3060	165	51	40
SNL 3064	180	53	40
SNL 3068	180	53	40
SNL 3072	180	53	40
SNL 3076	185	51	40
SNL 3080	220	51	40
SNL 3084	220	53	40
SNL 3088	230	58	40
SNL 3092	260	58	40
SNL 3096	260	58	40
SNL 30/500	260	58	40
SNL 30/530	280	58	40
SNL 3134	105	34	30
SNL 3136	110	38	30
SNL 3138	120	36	30
SNL 3140	120	36	30
SNL 3144	130	42	40
SNL 3148	145	43	40
SNL 3152	150	44	40
SNL 3156	165	51	40
SNL 3160	180	53	40
SNL 3164	180	53	40
SNL 3168	185	51	40
SNL 3172	220	51	40
SNL 3176	220	53	40
SNL 3180	230	58	40
SNL 3184	260	58	40
SNL 3188	260	58	40
SNL 3192	280	58	40
SNL 3196	280	58	40

The dimensions are those recommended when the standard grease nipple AH 1/8-27 PTF is used (supplied with the housing) but can also be applied if nipples having threads R 1/8, KR 1/8, M 10x1 or G 1/4 (with adapter LAPN 1/8) are used. The recommendations also apply if grease dispensers, e.g. SKF SYSTEM 24, are used.

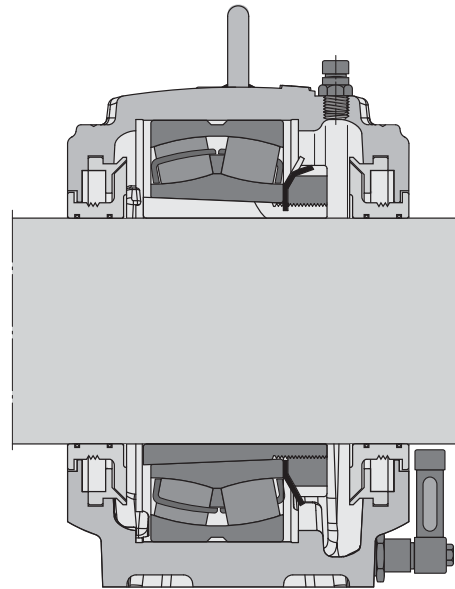
## Lubrication

### Oil lubrication

The new SNL 30 and SNL 31 housings can be used for oil lubrication at relatively high speeds. When using oil, however, the specially developed U-design seals should be incorporated to avoid oil loss from the housing (**Figure 10**). These seals are described on page 491. In order for these seals to be used, the housing must be modified so that SNL housings for oil lubrication are only supplied, complete with seals.

Oil lubricated SNL housings can also be equipped with oil levellers, LAHD series, which are designed for automatic adjustment of the optimal oil lubrication level within the bearing housing.

Figure 10



*Housing for oil lubrication*

## Mounting

SNL housings together with SKF bearings are robust and operationally reliable bearing arrangements which have long lives. However, if they are to achieve their full potential and not fail prematurely, they must be properly mounted. **Incorrect procedures or unsuitable tools can influence life negatively.**

When mounting the housings it should be remembered that the housings are asymmetrical internally and therefore the bearings are not always mounted in the center of the housing.

Vertical markings on the housing base end faces indicate the location of the center of the bearing seating.

### Mounting the bearing

The bearings can be mounted either on a tapered seating – normally for SNL housings in the form of an adapter sleeve – or on a cylindrical seating. When a bearing is correctly mounted on a sleeve there will be interference fits between the inner ring, sleeve and shaft. The degree of interference is determined by how far the bearing is driven up on the sleeve and either the internal clearance reduction or the axial drive-up distance can be used as a measure. The clearance reduction in spherical roller bearings can be measured using a feeler gauge, or the SKF drive-up method can be used.

For CARB bearings either the clearance reduction or the axial drive-up distance should be measured. When using a feeler gauge to measure clearance reduction, it is important that the inner and outer rings of the bearing are not displaced with respect to each other. The SKF drive-up method can also be applied.

Adapter sleeves with the designation OH .. H in the product tables indicate that the sleeves are provided with the necessary ducts to enable the bearings to be mounted using the oil injection method. Oil is supplied to the nut side of the sleeve.

Bearings with cylindrical bore are normally mounted with an interference fit on the shaft. Appropriate shaft tolerances should be selected. The recommendations applying to spherical roller bearings also apply to CARB bearings.

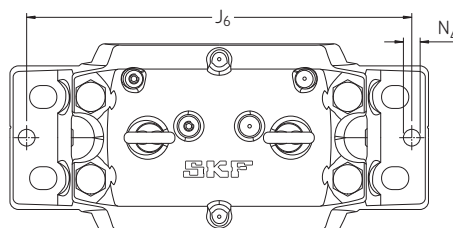


Table 7

Position and size of dowel pin holes					
Housing Size	Dimensions		Housing Size	Dimensions	
	J <sub>6</sub>	N <sub>4</sub> max		J <sub>6</sub>	N <sub>4</sub> max
–	mm		–	mm	
SNL 3036	470	20	SNL 3134	470	20
SNL 3038	490	20	SNL 3136	490	20
SNL 3040	520	20	SNL 3138	520	20
SNL 3044	560	20	SNL 3140	560	20
SNL 3048	590	20	SNL 3144	590	20
SNL 3052	650	20	SNL 3148	650	20
SNL 3056	720	20	SNL 3152	720	20
SNL 3060	740	20	SNL 3156	740	20
SNL 3064	770	25	SNL 3160	770	25
SNL 3068	820	25	SNL 3164	820	25
SNL 3072	820	25	SNL 3168	880	25
SNL 3076	880		SNL 3172	920	30
SNL 3080	920		SNL 3176	960	30
SNL 3084	960		SNL 3180	1 020	35
SNL 3088	1 020		SNL 3184	1 070	35
SNL 3092	1 070		SNL 3188	1 120	35
SNL 3096	1 070		SNL 3192	1 160	40
SNL 30/500	1 120		SNL 3196	1 210	40
SNL 30/530	1 210				

### Support surface for housing base

To guarantee long bearing service life, it is recommended that the support surface for the housing is finished to  $R_a \leq 492 \mu\text{m}$  (12.5  $\mu\text{m}$ ). The flatness tolerance should be to IT7. For moderate demands IT8 may be satisfactory.

### Dowel pins

SNL housings are designed for loads acting vertically to the housing base support. If they are to be subjected to moderate or heavy loads acting parallel to the base support, a stop should be provided, or the housing should be pinned to its support. Recommendations for the position and size of holes to take dowel pins are given in **Table 7**.

### Attachment bolts

It is recommended that hexagon-headed bolts to strength class 8.8 according to the European Standard EN 24014 be used. If the load does not act vertically to the base, it may be necessary to use stronger, class 10.9 bolts. Details of the appropriate tightening torques for the bolts to class 8.8 are given in **Table 9** on page 501.

# Split pillow blocks (metric series)

## Load carrying ability

SNL plummer block housings are intended for loads acting vertically towards the base plate (support). If loads acting in other directions occur, checks should be made to ensure that the magnitude of the load is permissible for the housing, the bolts joining the housing cap and base, and for the attachment bolts.

### Load carrying ability of the housing

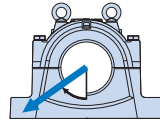
Guideline values for the breaking load  $P$  of the housing for various load directions are given in **Table 8**. Using these values and a safety factor selected with respect to the operating conditions, the permissible load for the housing can be calculated. In general engineering a safety factor of 6 is often used.

For special purposes where extra strength and resistance to shock loads are required, SKF supplies as standard a range of spheroidal graphite cast-iron housings. Spheroidal graphite cast-iron housings are designated SNLD followed by the size identification, e.g. SNLD 3134. For housings made of spheroidal graphite cast-iron, the values of  $P$  in **Table 8** should be multiplied by 1.8.

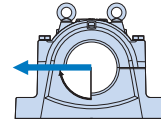
It is important for the load carrying ability of the housing that the bolts joining cap and base are properly tightened in accordance with the values given in **Table 9**. The axial load carrying capacity of the housing is approximately 65% of  $P_{180^\circ}$ . For load angles between 55 and 120° as well as for axial loads, if the load acting parallel to the base plate (support surface) exceeds 5% of  $P_{180^\circ}$ , the housing should be pinned to the support or a stop should be provided in the direction of the load.

### Load carrying ability of bolts

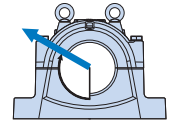
SNL plummer block housings are supplied with cap bolts (to join cap and base) to strength class 8.8 as standard. The guideline values for the yield point  $Q$  for the cap bolts are given in **Table 9** for various load directions as well as the corresponding maximum radial loads  $F$ .



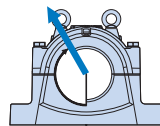
$P_{55^\circ}$



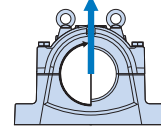
$P_{90^\circ}$



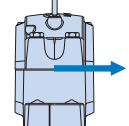
$P_{120^\circ}$



$P_{150^\circ}$



$P_{180^\circ}$



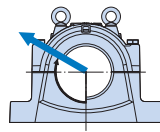
$P_a$

**Table 8**

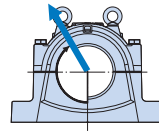
Breaking loads for SNL plummer block housing

Housing Size	Breaking loads for SNL housing					
	$P_{55^\circ}$	$P_{90^\circ}$	$P_{120^\circ}$	$P_{150^\circ}$	$P_{180^\circ}$	$P_a$
–	kN					
SNL 3036	2100	1000	760	680	850	550
SNL 3038	2400	1150	850	760	950	620
SNL 3040	2700	1300	1000	880	1100	710
SNL 3044	3200	1600	1100	1000	1300	840
SNL 3048	4000	1900	1400	1300	1600	1000
SNL 3052	4200	2000	1500	1400	1700	1100
SNL 3056	4700	2300	1700	1500	1900	1200
SNL 3060	5000	2400	1800	1600	2000	1300
SNL 3064	6000	2900	2200	1900	2400	1500
SNL 3068	7000	3400	2500	2200	2800	1800
SNL 3072	7000	3400	2500	2200	2800	1800
SNL 3076	7 500	3 600	2 600	2 300	3 000	1 900
SNL 3080	7 700	3 600	2 700	2 400	3 000	2 000
SNL 3084	8 000	3 900	2 900	2 500	3 200	2 100
SNL 3088	8 700	4 200	3 100	2 700	3 500	2 200
SNL 3092	9 600	4 600	3 400	3 000	3 800	2 400
SNL 3096	9 600	4 600	3 400	3 000	3 800	2 400
SNL 30/500	10 000	4 800	3 600	3 100	4 000	2 500
SNL 30/530	11 200	5 400	4 000	3 500	4 400	2 800
SNL 3134	2100	1000	760	680	850	550
SNL 3136	2400	1150	850	760	950	620
SNL 3138	2700	1300	1000	880	1100	710
SNL 3140	3200	1600	1100	1000	1300	840
SNL 3144	4000	1900	1400	1300	1600	1000
SNL 3148	4200	2000	1500	1400	1700	1100
SNL 3152	4700	2300	1700	1500	1900	1200
SNL 3156	5000	2400	1800	1600	2000	1300
SNL 3160	6000	2900	2200	1900	2400	1500
SNL 3164	7000	3400	2500	2200	2800	1800
SNL 3168	7 500	3 600	2 600	2 300	3 000	1 900
SNL 3172	7 700	3 600	2 700	2 400	3 000	2 000
SNL 3176	8 000	3 900	2 900	2 500	3 200	2 100
SNL 3180	8 700	4 200	3 100	2 700	3 500	2 200
SNL 3184	9 600	4 600	3 400	3 000	3 800	2 400
SNL 3188	10 000	4 800	3 600	3 100	4 000	2 500
SNL 3192	10 700	5 200	3 800	3 300	4 200	2 700
SNL 3196	11 200	5 400	4 000	3 500	4 400	2 800

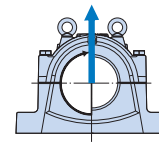
Consult SKF USA Inc. prior to design change or order placement.



Q<sub>120°</sub>  
F<sub>120°</sub>



Q<sub>150°</sub>  
F<sub>150°</sub>



Q<sub>180°</sub>  
F<sub>180°</sub>

Table 9

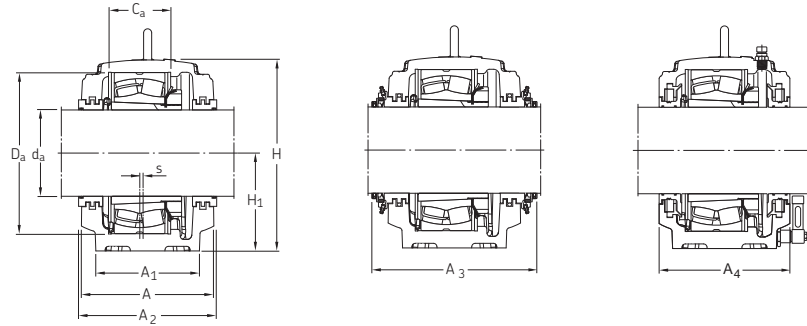
Load carrying ability and tightening torque for cap bolts and attachment bolts

Housing Size	Cap bolts			Maximum load for four bolts			Tightening torque	Designation to EN 24014	Attachment bolts	
	Yield point								Size	Tightening torque
	Q <sub>120°</sub>	Q <sub>150°</sub>	Q <sub>180°</sub>	F <sub>120°</sub>	F <sub>150°</sub>	F <sub>180°</sub>	Nm	–	–	Nm
–	kN			kN				–		
SNL 3036	1800	1040	900	760	440	380	350	M 24x140	M 24	665
SNL 3038	1800	1040	900	760	440	380	350	M 24x140	M 24	665
SNL 3040	1800	1040	900	760	440	380	350	M 24x150	M 24	665
SNL 3044	1800	1040	900	760	440	380	350	M 24x160	M 30	1 310
SNL 3048	1800	1040	900	760	440	380	350	M 24x160	M 30	1 310
SNL 3052	2860	1650	1 430	1 240	720	620	400	M 30x180	M 30	1 310
SNL 3056	2860	1650	1 430	1 240	720	620	400	M 30x200	M 36	2 280
SNL 3060	2860	1650	1 430	1 240	720	620	400	M 30x200	M 36	2 280
SNL 3064	2860	1650	1 430	1 240	720	620	400	M 30x220	M 36	2 280
SNL 3068	2860	1650	1 430	1 240	720	620	400	M 30x220	M 36	2 280
SNL 3072	2860	1650	1 430	1 240	720	620	400	M 30x220	M 36	2 280
SNL 3076	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 36	2 280
SNL 3080	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 36	2 280
SNL 3084	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 36	2 280
SNL 3088	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 42	3 640
SNL 3092	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x280	M 42	3 640
SNL 3096	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x280	M 42	3 640
SNL 30/500	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x280	M 42	3 640
SNL 30/530	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x280	M 48	5 450
SNL 3134	1 800	1 040	900	760	440	380	350	M 24x140	M 24	665
SNL 3136	1 800	1 040	900	760	440	380	350	M 24x140	M 24	665
SNL 3138	1 800	1 040	900	760	440	380	350	M 24x150	M 24	665
SNL 3140	1 800	1 040	900	760	440	380	350	M 24x160	M 30	1 310
SNL 3144	1 800	1 040	900	760	440	380	350	M 24x160	M 30	1 310
SNL 3148	2 860	1 650	1430	1240	720	620	400	M 30x180	M 30	1 310
SNL 3152	2 860	1 650	1430	1240	720	620	400	M 30x200	M 36	2 280
SNL 3156	2 860	1 650	1430	1240	720	620	400	M 30x200	M 36	2 280
SNL 3160	2 860	1 650	1430	1240	720	620	400	M 30x220	M 36	2 280
SNL 3164	2 860	1 650	1430	1240	720	620	400	M 30x220	M 36	2 280
SNL 3168	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 36	2 280
SNL 3172	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 36	2 280
SNL 3176	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 36	2 280
SNL 3180	4 200	2 400	2 100	1 600	920	800	600	M 36x240	M 42	3 640
SNL 3184	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x280	M 42	3 640
SNL 3188	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x280	M 42	3 640
SNL 3192	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x300	M 42	3 640
SNL 3196	5 800	3 350	2 900	2 200	1 260	1 100	850	M 42x300	M 48	5 450

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

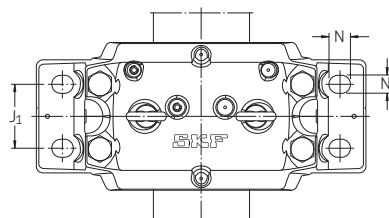
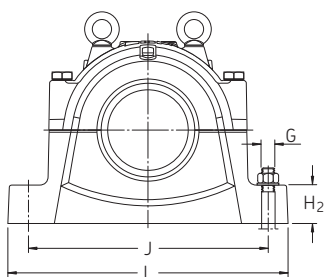
Large SNL plummer block housings  
for bearings on adapter sleeves  
 $d_a$  150 — 200 mm



Shaft $d_a$	Housing dimensions											Mass	Designations			
	A	A <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	J <sub>1</sub>	L	N	N <sub>1</sub>	s		G	Components Housing only	Seal	End cover
mm	mm											kg				
<b>150</b>	230	180	333	170	70	430	100	510	34	28	14	24	69.5	SNL 3134	TS 34	ETS 34
														SNL 3134	TNF 34	ETS 34
														SNL 3134 TURT	TSD 3134 U	ETS 3134 R
														SNL 3134 TURA	TSD 3134 U	ETS 3134 R
<b>160</b>	230	180	333	170	70	430	100	510	34	28	14	24	69.5	SNL 3036	TS 36	ETS 36
														SNL 3036	TNF 36	ETS 36
														SNL 3036 TURT	TSD 3036 U	ETS 3036 R
														SNL 3036 TURA	TSD 3036 U	ETS 3036 R
<b>170</b>	240	190	353	180	75	450	110	530	34	28	15	24	77.5	SNL 3136	TS 36	ETS 36
														SNL 3136	TNF 36	ETS 36
														SNL 3136 TURT	TSD 3136 U	ETS 3136 R
														SNL 3136 TURA	TSD 3136 U	ETS 3136 R
<b>180</b>	240	190	353	180	75	450	110	530	34	28	15	24	77.5	SNL 3038	TS 38	ETS 38
														SNL 3038	TNF 38	ETS 38
														SNL 3038 TURT	TSD 3038 U	ETS 3038 R
														SNL 3038 TURA	TSD 3038 U	ETS 3038 R
<b>180</b>	260	210	375	190	80	480	120	560	34	28	10	24	97.5	SNL 3138	TS 38	ETS 38
														SNL 3138	TNF 38	ETS 38
														SNL 3138 TURT	TSD 3138 U	ETS 3138 R
														SNL 3138 TURA	TSD 3138 U	ETS 3138 R
<b>180</b>	260	210	375	190	80	480	120	560	34	28	10	24	97.5	SNL 3040	TS 40	ETS 40
														SNL 3040	TNF 40	ETS 40
														SNL 3040 TURT	TSD 3040 U	ETS 3040 R
														SNL 3040 TURA	TSD 3040 U	ETS 3040 R
<b>180</b>	280	230	411	210	85	510	130	610	42	35	10	30	123	SNL 3140	TS 40	ETS 40
														SNL 3140	TNF 40	ETS 40
														SNL 3140 TURT	TSD 3140 U	ETS 3140 R
														SNL 3140 TURA	TSD 3140 U	ETS 3140 R
<b>200</b>	280	230	411	210	85	510	130	610	42	35	10	30	123	SNL 3044	TS 44	ETS 44
														SNL 3044	TNF 44	ETS 44
														SNL 3044 TURT	TSD 3044 U	ETS 3044 R
														SNL 3044 TURA	TSD 3044 U	ETS 3044 R
<b>200</b>	290	240	434	220	90	540	140	640	42	35	12	30	138	SNL 3144	TS 44	ETS 44
														SNL 3144	TNF 44	ETS 44
														SNL 3144 TURT	TSD 3144 U	ETS 3144 R
														SNL 3144 TURA	TSD 3144 U	ETS 3144 R

Consult SKF USA Inc. prior to design change or order placement.

Large SNL plummer block housings  
for bearings on adapter sleeves  
d<sub>a</sub> 150 — 200 mm

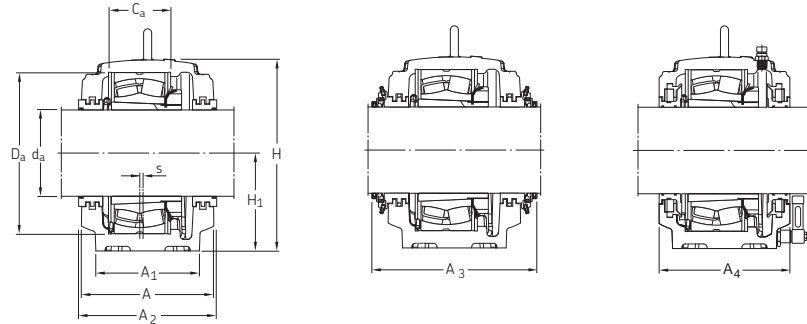


Shaft d <sub>a</sub>	Bearing seating		Width across seals			Eye bolts According to DIN 580	Appropriate bearings and associated components		
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>		Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings
mm	mm	mm	mm	mm	mm	—	—	—	—
<b>150</b>	108	280	240	302	225	M 16	23134 CCK/W33 C 3134 K <sup>1</sup>	H 3134 H 3134 L	2 FRB 10/280 2 FRB 10/280
<b>160</b>	108	280	240	304	225	M 16	23036 CCK/W33 C 3036 K	H 3036 H 3036	2 FRB 17/280 2 FRB 17/280
	116	300	250	317	235	M 16	23136 CCK/W33 C 3136 K	H 3136 H 3136 L	2 FRB 10/300 2 FRB 10/300
<b>170</b>	115	290	250	318	235	M 16	23038 CCK/W33 C 3038 K	H 3038 H 3038	4 FRB 10/290 4 FRB 10/290
	124	320	270	334	255	M 20	23138 CCK/W33 C 3138 <sup>1</sup>	H 3138 H 3138 L	2 FRB 10/320 2 FRB 10/320
<b>180</b>	122	310	270	331	255	M 20	23040 CCK/W33 C 3040 K	H 3040 H 3040	4 FRB 10/310 4 FRB 10/310
	132	340	290	351	275	M 20	23140 CCK/W33 C 3140 K	H 3140 H 3140	2 FRB 10/340 2 FRB 10/340
<b>200</b>	130	340	290	353	275	M 20	23044 CCK/W33 C 3044 K	OH 3044 H OH 3044 H	4 FRB 10/340 4 FRB 10/340
	140	370	300	361	285	M 20	23144 CCK/W33 C 3144 K	OH 3144 H OH 3144 HTL	2 FRB 10/370 2 FRB 10/370

<sup>1</sup> Please check availability of the bearing before incorporating it in a bearing arrangement design.

# Split pillow blocks (metric series)

Large SNL plummer block housings  
for bearings on adapter sleeves  
 $d_a$  220 — 300 mm

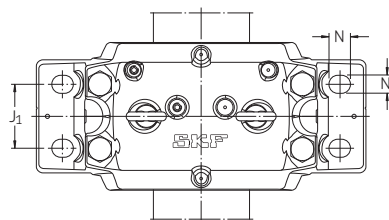
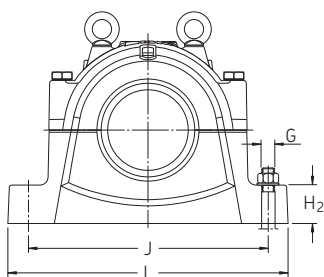


Shaft $d_a$	Housing dimensions											Mass	Designations			
	A	A <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	J <sub>1</sub>	L	N	N <sub>1</sub>	s		G	Components Housing only	Seal	End cover
mm	mm											kg				
220	290	240	434	220	90	540	140	640	42	35	12	30	138	SNL 3048 SNL 3048 SNL 3048 TURT SNL 3048 TURA	TS 48 TNF 48 TSD 3048 U TSD 3048 U	ETS 48 ETS 48 ETS 3048 R ETS 3048 R
	310	260	474	240	95	600	150	700	42	35	12	30	187	SNL 3148 SNL 3148 SNL 3148 TURT SNL 3148 TURA	TS 48 TNF 48 TSD 3148 U TSD 3148 U	ETS 48 ETS 48 ETS 3148 R ETS 3148 R
240	310	260	474	240	95	600	150	700	42	35	12	30	187	SNL 3052 SNL 3052 SNL 3052 TURT SNL 3052 TURA	TS 52 TNF 52 TSD 3052 U TSD 3052 U	ETS 52 ETS 52 ETS 3052 R ETS 3052 R
	320	280	516	260	100	650	160	770	50	42	13	36	221	SNL 3152 SNL 3152 SNL 3152 TURT SNL 3152 TURA	TS 52 TNF 52 TSD 3152 U TSD 3152 U	ETS 52 ETS 52 ETS 3152 R ETS 3152 R
260	320	280	516	260	100	650	160	770	50	42	13	36	221	SNL 3056 SNL 3056 SNL 3056 TURT SNL 3056 TURA	TS 56 TNF 56 TSD 3056 U TSD 3056 U	ETS 56 ETS 56 ETS 3056 R ETS 3056 R
	320	280	551	280	105	670	160	790	50	42	16	36	252	SNL 3156 SNL 3156 SNL 3156 TURT SNL 3156 TURA	TS 56 TNF 56 TSD 3156 U TSD 3156 U	ETS 56 ETS 56 ETS 3156 R ETS 3156 R
280	320	280	551	280	105	670	160	790	50	42	16	36	252	SNL 3060 SNL 3060 SNL 3060 TURT SNL 3060 TURA	TS 60 TNF 60 TSD 3060 U TSD 3060 U	ETS 60 ETS 60 ETS 3060 R ETS 3060 R
	350	310	591	300	110	710	190	830	50	42	22	36	301	SNL 3160 SNL 3160 SNL 3160 TURT SNL 3160 TURA	TS 60 TNF 60 TSD 3160 U TSD 3160 U	ETS 60 ETS 60 ETS 3160 R ETS 3160 R
300	350	310	591	300	110	710	190	830	50	42	22	36	301	SNL 3064 SNL 3064 SNL 3064 TURT SNL 3064 TURA	TS 64 TNF 64 TSD 3064 U TSD 3064 U	ETS 64 ETS 64 ETS 3064 R ETS 3064 R
	370	330	631	320	115	750	200	880	50	42	23	36	339	SNL 3164 SNL 3164 SNL 3164 TURT SNL 3164 TURA	TS 64 TNF 64 TSD 3164 U TSD 3164 U	ETS 64 ETS 64 ETS 3164 R ETS 3164 R

Consult SKF USA Inc. prior to design change or order placement.



Large SNL plummer block housings  
for bearings on adapter sleeves  
d<sub>a</sub> 220 — 300 mm

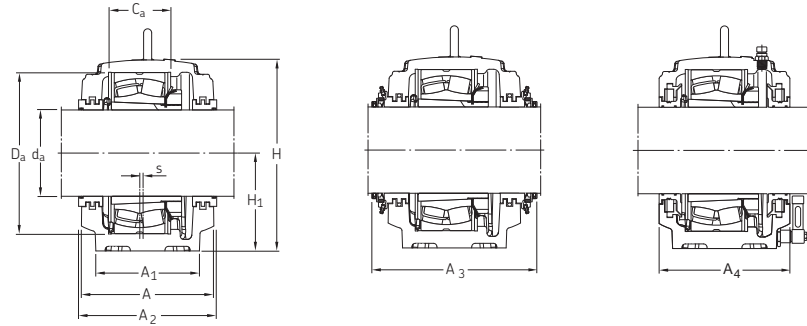


Shaft d <sub>a</sub>	Bearing seating		Width across seals			Eye bolts According to DIN 580	Appropriate bearings and associated components		
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>		Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings
mm	mm	mm	mm	mm	mm	—	—	—	—
<b>220</b>	140	360	300	387	285	M 20	23048 CCK/W33 C 3048 K	OH 3048 H OH 3048 H	4 FRB 12/360 4 FRB 12/360
	148	400	315	404	305	M 24	23148 CCK/W33 C 3148 K	OH 3148 H OH 3148 HTL	2 FRB 10/400 2 FRB 10/400
<b>240</b>	148	400	315	397	305	M 24	23052 CCK/W33 C 3052 K	OH 3052 H OH 3052 H	2 FRB 22/400 2 FRB 22/400
	164	440	330	414	315	M 24	23152 CCK/W33 C 3152 K	OH 3152 H OH 3152 HTL	2 FRB 10/440 2 FRB 10/440
<b>260</b>	166	420	330	413	315	M 24	23056 CCK/W33 C 3056 K	OH 3056 H OH 3056 H	6 FRB 10/420 6 FRB 10/420
	166	460	330	412	315	M 24	23156 CCK/W33 C 3156 K	OH 3156 H OH 3156 HTL	2 FRB 10/460 2 FRB 10/460
<b>280</b>	168	460	330	412	315	M 24	23060 CCK/W33 C 3060 KM	OH 3060 H OH 3060 H	2 FRB 25/460 2 FRB 25/460
	180	500	360	442	345	M 30	23160 CCK/W33 C 3160 K	OH 3160 H OH 3160 H	2 FRB 10/500 2 FRB 10/500
<b>300</b>	181	480	360	443	345	M 30	23064 CCK/W33 C 3064 KM	OH 3064 H OH 3064 H	6 FRB 10/480 6 FRB 10/480
	196	540	380	462	365	M 30	23164 CCK/W33 C 3164 KM	OH 3164 H OH 3164 H	2 FRB 10/540 2 FRB 10/540

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

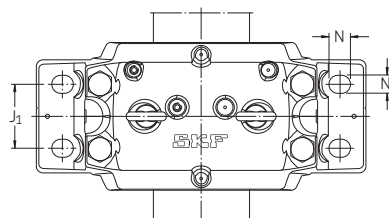
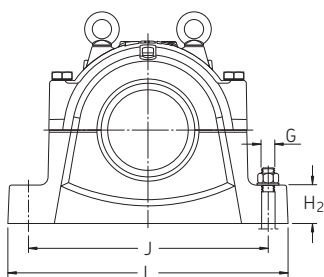
Large SNL plummer block housings  
for bearings on adapter sleeves  
 $d_a$  320 — 400 mm



Shaft $d_a$	Housing dimensions												Mass	Designations		
	A	A <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	J <sub>1</sub>	L	N	N <sub>1</sub>	s	G		Components Housing only	Seal	End cover
mm	mm												kg			
<b>320</b>	370	330	631	320	115	750	200	880	50	42	23	36	339	SNL 3068 SNL 3068 SNL 3068 TURT SNL 3068 TURA	TS 68 TNF 68 TSD 3068 U TSD 3068 U	ETS 68 ETS 68 ETS 3068 R ETS 3068 R
	400	360	675	340	120	810	220	950	50	42	24	36	430	SNL 3168 F SNL 3168 F SNL 3168 FTURT SNL 3168 FTURA	TS 68 TNF 68 TSD 3168 U TSD 3168 U	ETS 68 ETS 68 ETS 3168 R ETS 3168 R
<b>340</b>	370	330	631	320	115	750	200	880	50	42	23	36	339	SNL 3072 SNL 3072 SNL 3072 TURT SNL 3072 TURA	TS 72 TNF 72 TSD 3072 U TSD 3072 U	ETS 72 ETS 72 ETS 3072 R ETS 3072 R
	400	360	695	350	120	840	220	1000	50	42	30	36	458	SNL 3172 F SNL 3172 F SNL 3172 FTURT SNL 3172 FTURA	TS 72 TNF 72 TSD 3172 U TSD 3172 U	ETS 72 ETS 72 ETS 3172 R ETS 3172 R
<b>360</b>	400	360	675	340	120	810	220	950	50	42	24	36	430	SNL 3076 F SNL 3076 F SNL 3076 FTURT SNL 3076 FTURA	TS 76 TNF 76 TSD 3076 U TSD 3076 U	ETS 76 ETS 76 ETS 3076 R ETS 3076 R
	400	360	715	360	120	870	220	1040	50	42	30	36	473	SNL 3176 F SNL 3176 F SNL 3176 FTURT SNL 3176 FTURA	TS 76 TNF 76 TSD 3176 U TSD 3176 U	ETS 76 ETS 76 ETS 3176 R ETS 3176 R
<b>380</b>	400	360	695	350	120	840	220	1000	50	42	30	36	458	SNL 3080 F SNL 3080 F SNL 3080 FTURT SNL 3080 FTURA	TS 80 TNF 80 TSD 3080 U TSD 3080 U	ETS 80 ETS 80 ETS 3080 R ETS 3080 R
	430	390	775	380	125	950	240	1120	60	48	30	42	595	SNL 3180 F SNL 3180 F SNL 3180 FTURT SNL 3180 FTURA	TS 80 TNF 80 TSD 3180 U TSD 3180 U	ETS 80 ETS 80 ETS 3180 R ETS 3180 R
<b>400</b>	400	360	715	360	120	870	220	1040	50	42	30	36	473	SNL 3084 F SNL 3084 F SNL 3084 FTURT SNL 3084 FTURA	TS 84 TNF 84 TSD 3084 U TSD 3084 U	ETS 84 ETS 84 ETS 3084 R ETS 3084 R
	460	420	810	410	130	1000	260	1170	60	48	35	42	716	SNL 3184 F SNL 3184 F SNL 3184 FTURT SNL 3184 FTURA	TS 84 TNF 84 TSD 3184 U TSD 3184 U	ETS 84 ETS 84 ETS 3184 R ETS 3184 R

Consult SKF USA Inc. prior to design change or order placement.

Large SNL plummer block housings  
for bearings on adapter sleeves  
d<sub>a</sub> 320 — 400 mm

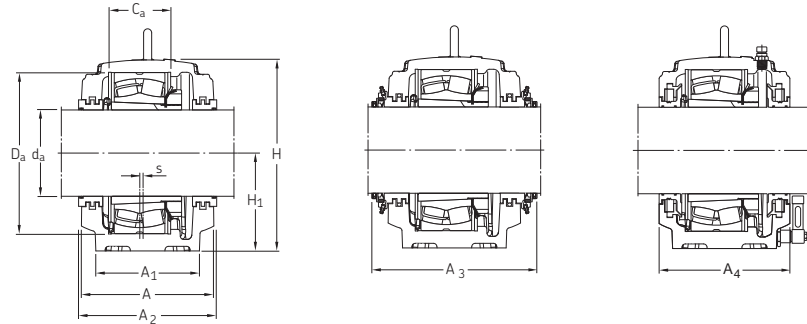


Shaft d <sub>a</sub>	Bearing seating		Width across seals			Eye bolts According to DIN 580	Appropriate bearings and associated components		
	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>		Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings
mm	mm	mm	mm	mm	mm	—	—	—	—
320	197	520	380	461	365	M 30	23068 CCK/W33 C 3068 KM	OH 3068 H OH 3068 H	4 FRB 16/520 4 FRB 16/520
	190	580	410	491	395	M 30	23168 CCK/W33 C 3168 KM	OH 3168 H OH 3168 H	— —
340	198	540	380	461	365	M 30	23072 CCK/W33 C 23072 KM	OH 3072 H OH 3072 H	4 FRB 16/540 4 FRB 16/540
	192	600	410	491	395	M 36	23172 CCK/W33 C 3172 KM	OH 3172 H OH 3172 H	— —
360	135	560	410	492	395	M 30	23076 CCK/W33 C 3076 KM	OH 3076 H OH 3076 H	— —
	194	620	410	491	395	M 36	23176 CAK/W33 C 3176 KMB <sup>1</sup>	OH 3176 H OH 3176 HE	— —
380	148	600	410	492	395	M 36	23080 CCK/W33 C 3080 KM	OH 3080 H OH 3080 H	— —
	200	650	440	521	425	M 42	23180 CAK/W33 C 3180 KMB	OH 3180 H OH 3180 HE	— —
400	150	620	410	492	395	M 36	23084 CAK/W33 C 3084 KM	OH 3084 H OH 3084 H	— —
	224	700	470	551	455	M 42	23184 CKJ/W33 C 3184 KM	OH 3184 H OH 3184 H	— —

<sup>1</sup> Please check availability of the bearing before incorporating it in a bearing arrangement design.  
For missing locating ring data, please contact SKF Applications Engineering.

# Split pillow blocks (metric series)

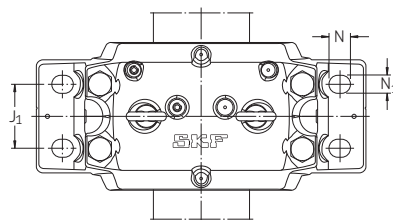
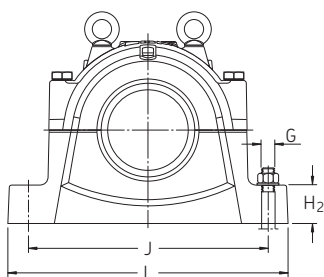
Large SNL plummer block housings  
for bearings on adapter sleeves  
 $d_a$  410 — 470 mm



Shaft $d_a$	Housing dimensions				G	Mass	Designations Components Housing only	Seal	End cover							
	A	$A_1$	H	$H_1$												
mm	mm					kg										
410	430	390	775	380	125	950	240	1 120	60	48	30	42	595	SNL 3088 F SNL 3088 F SNL 3088 FTURT SNL 3088 FTURA	TS 88 TNF 88 TSD 3088 U TSD 3088 U	ETS 88 ETS 88 ETS 3088 R ETS 3088 R
	460	430	835	420	135	1 030	260	1 220	60	48	35	42	755	SNL 3188 F SNL 3188 F SNL 3188 FTURT SNL 3188 FTURA	TS 88 TNF 88 TSD 3188 U TSD 3188 U	ETS 88 ETS 88 ETS 3188 R ETS 3188 R
430	460	420	810	410	130	1 000	260	1 170	60	48	35	42	716	SNL 3092 F SNL 3092 F SNL 3092 FTURT SNL 3092 FTURA	TS 92 TNF 92 TSD 3092 U TSD 3092 U	ETS 92 ETS 92 ETS 3092 R ETS 3092 R
	470	440	880	440	145	1 070	260	1 280	60	48	35	42	865	SNL 3192 F SNL 3192 F SNL 3192 FTURT SNL 3192 FTURA	TS 92 TNF 92 TSD 3192 U TSD 3192 U	ETS 92 ETS 92 ETS 3192 R ETS 3192 R
450	460	420	810	410	130	1 000	260	1 170	60	48	35	42	716	SNL 3096 F SNL 3096 F SNL 3096 FTURT SNL 3096 FTURA	TS 96 TNF 96 TSD 3096 U TSD 3096 U	ETS 96 ETS 96 ETS 3096 R ETS 3096 R
	470	440	920	460	155	1 110	260	1 330	70	56	35	48	947	SNL 3196 F SNL 3196 F SNL 3196 FTURT SNL 3196 FTURA	TS 96 TNF 96 TSD 3196 U TSD 3196 U	ETS 96 ETS 96 ETS 3196 R ETS 3196 R
470	460	430	835	420	135	1 030	260	1 220	60	48	35	42	755	SNL 30/500 F SNL 30/500 F SNL 30/500 FTURT SNL 30/500 FTURA	TS 500 TNF 500 TSD 30/500 U TSD 30/500 U	ETS 500 ETS 500 ETS 30/500 R ETS 30/500 R

Consult SKF USA Inc. prior to design change or order placement.

Large SNL plummer block housings  
for bearings on adapter sleeves  
 $d_a$  410 — 470 mm

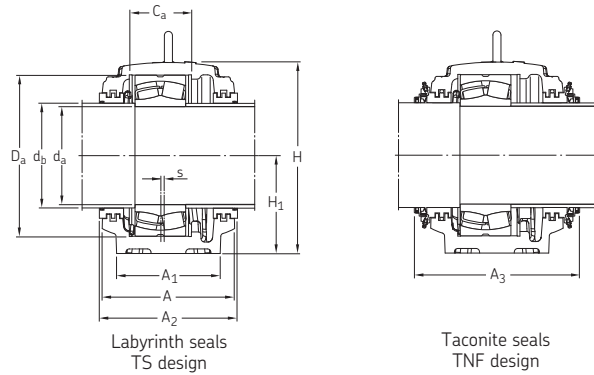


Shaft $d_a$	Bearing seating		Width across seals			Eye bolts According to DIN 580	Appropriate bearings and associated components		
	$C_a$	$D_a$	$A_2$	$A_3$	$A_4$		Spherical roller bearing CARB bearing	Adapter sleeve	Locating rings
mm	mm	mm	mm	mm	mm	—	—	—	—
<b>410</b>	157	650	440	522	425	M 42	23088 CAK/W33 C 3088 KMB	OH 3088 H OH 3088 HE	— —
	226	720	470	552	455	M 42	23188 CAK/W33 C 3188 KMB <sup>1</sup>	OH 3188 H OH 3188 HE	— —
<b>430</b>	163	680	470	552	455	M 42	23092 CAK/W33 C 3092 KM	OH 3092 H OH 3092 H	— —
	240	760	480	562	465	M 48	23192 CAK/W33 C 3192 KM	OH 3192 H OH 3192 H	— —
<b>450</b>	165	700	470	561	455	M 42	23096 CAK/W33 C 3096 KM	OH 3096 H OH 3096 H	— —
	248	790	480	561	465	M 48	23196 CAK/W33 C 3196 KMB <sup>1</sup>	OH 3196 H OH 3196 HE	— —
<b>470</b>	167	720	470	551	455	M 42	230/500 CAK/W33 C 30/500 KM	OH 30/500 H OH 30/500 H	— —

<sup>1</sup> Please check availability of the bearing before incorporating it in a bearing arrangement design.  
For missing locating ring data, please contact SKF Applications Engineering.

# Split pillow blocks (metric series)

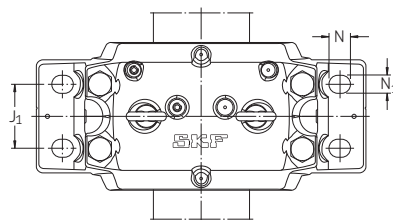
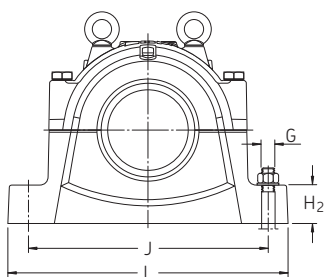
Large SNL plummer block housings  
for bearings with cylindrical bore  
d<sub>a</sub> 170 — 300 mm



Shaft d <sub>a</sub>	Housing dimensions												Mass	Designations Components Housing only	Seal	End cover
	A	A <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	J <sub>1</sub>	L	N	N <sub>1</sub>	s	G				
mm	mm												kg			
<b>170</b>	230	180	333	170	70	430	100	510	34	28	14	24	69.5	SNL 3134 G SNL 3134 G	TS 40 TNF 40	ETS 40 ETS 40
	<b>180</b>	230	180	333	170	70	430	100	510	34	28	14	24	69.5	SNL 3036 G SNL 3036 G	TS 44 TNF 44
<b>190</b>	240	190	353	180	75	450	110	530	34	28	15	24	77.5	SNL 3136 G SNL 3136 G	TS 44 TNF 44	ETS 44 ETS 44
	240	190	353	180	75	450	110	530	34	28	15	24	77.5	SNL 3038 G SNL 3038 G	TS 44 TNF 44	ETS 44 ETS 44
<b>200</b>	260	210	375	190	80	480	120	560	34	28	10	24	97.5	SNL 3138 G SNL 3138 G	TS 44 TNF 44	ETS 44 ETS 44
	260	210	375	190	80	480	120	560	34	28	10	24	97.5	SNL 3040 G SNL 3040 G	TS 48 TNF 48	ETS 48 ETS 48
<b>220</b>	280	230	411	210	85	510	130	610	42	35	10	30	123	SNL 3140 G SNL 3140 G	TS 48 TNF 48	ETS 48 ETS 48
	280	230	411	210	85	510	130	610	42	35	10	30	123	SNL 3044 G SNL 3044 G	TS 52 TNF 52	ETS 52 ETS 52
<b>240</b>	290	240	434	220	90	540	140	640	42	35	12	30	138	SNL 3144 G SNL 3144 G	TS 52 TNF 52	ETS 52 ETS 52
	290	240	434	220	90	540	140	640	42	35	12	30	138	SNL 3048 G SNL 3048 G	TS 56 TNF 56	ETS 56 ETS 56
<b>260</b>	310	260	474	240	95	600	150	700	42	35	12	30	187	SNL 3148 G SNL 3148 G	TS 56 TNF 56	ETS 56 ETS 56
	310	260	474	240	95	600	150	700	42	35	12	30	187	SNL 3052 G SNL 3052 G	TS 60 TNF 60	ETS 60 ETS 60
<b>280</b>	320	280	516	260	100	650	160	770	50	42	13	36	221	SNL 3152 G SNL 3152 G	TS 60 TNF 60	ETS 60 ETS 60
	320	280	516	260	100	650	160	770	50	42	13	36	221	SNL 3056 G SNL 3056 G	TS 64 TNF 64	ETS 64 ETS 64
<b>300</b>	320	280	551	280	105	670	160	790	50	42	16	36	252	SNL 3156 G SNL 3156 G	TS 64 TNF 64	ETS 64 ETS 64
	320	280	551	280	105	670	160	790	50	42	16	36	252	SNL 3060 G SNL 3060 G	TS 68 TNF 68	ETS 68 ETS 68
	350	310	591	300	110	710	190	830	50	42	22	36	301	SNL 3160 G SNL 3160 G	TS 68 TNF 68	ETS 68 ETS 68

Consult SKF USA Inc. prior to design change or order placement.  
510

Large SNL plummer block housings  
for bearings with cylindrical bore  
d<sub>a</sub> 170 — 300 mm

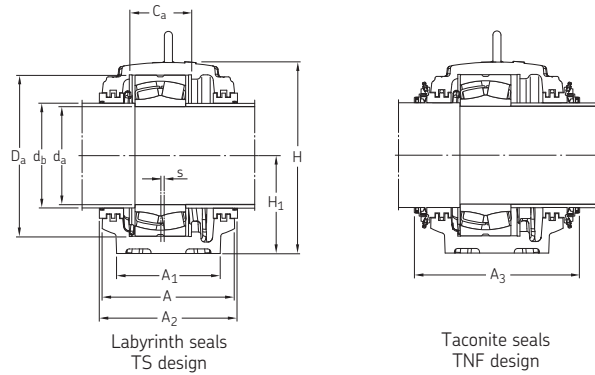


Shaft		Bearing seating		Width across seals		Eye bolts According to DIN 580	Appropriate bearings and associated components	
d <sub>a</sub>	d <sub>b</sub>	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>		Spherical roller bearing	Locating rings
mm		mm		mm		—	—	
<b>170</b>	180	108	280	240	302	M 16	23134 CC/W33	2 FRB 10/280
<b>180</b>	200	108	280	240	304	M 16	23036 CC/W33 24036 CC/W33 C 3036	2 FRB 17/280 2 FRB 4/280 2 FRB 17/280
	200	116	300	250	317	M 16	23136 CC/W33 C 3136	2 FRB 10/300 2 FRB 10/300
<b>190</b>	200	115	290	250	318	M 16	23038 CC/W33 24038 CC/W33 C 3038	4 FRB 10/290 2 FRB 7.5/290 4 FRB 10/290
	200	124	320	270	334	M 20	23138 CC/W33	2 FRB 10/320
<b>200</b>	220	122	310	270	331	M 20	23040 CC/W33 24040 CC/W33 C 3040	4 FRB 10/310 2 FRB 6.5/310 4 FRB 10/310
	220	132	340	290	351	M 20	23140 CC/W33 C 3140	2 FRB 10/340 2 FRB 10/340
<b>220</b>	240	130	340	290	353	M 20	23044 CC/W33 24044 CC/W33 C 3044	4 FRB 10/340 2 FRB 6/340 4 FRB 10/340
	240	140	370	300	361	M 20	23144 CC/W33 C 3144	2 FRB 10/370 2 FRB 10/370
<b>240</b>	260	140	360	300	387	M 20	23048 CC/W33 24048 CC/W33 C 3048	4 FRB 12/360 2 FRB 11/360 4 FRB 12/360
	260	148	400	315	404	M 24	23148 CC/W33 C 3148	2 FRB 10/400 2 FRB 10/400
<b>260</b>	280	148	400	315	397	M 24	23052 CC/W33 24052 CC/W33 C 3052	2 FRB 22/400 2 FRB 4/400 2 FRB 22/400
	280	164	440	330	414	M 24	23152 CC/W33 C 3152	2 FRB 10/440 2 FRB 10/440
<b>280</b>	300	166	420	330	413	M 24	23056 CC/W33 24056 CC/W33 C 3056	6 FRB 10/420 2 FRB 13/420 6 FRB 10/420
	300	166	460	330	412	M 24	23156 CC/W33 C 3156	2 FRB 10/460 2 FRB 10/460
<b>300</b>	320	168	460	330	412	M 24	23060 CC/W33 24060 CC/W33 C 3060	2 FRB 25/460 2 FRB 4/460 2 FRB 25/460
	320	180	500	360	442	M 30	23160 CC/W33 C 3160	2 FRB 10/500 2 FRB 10/500

Consult SKF USA Inc. prior to design change or order placement.

# Split pillow blocks (metric series)

Large SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  320 — 460 mm

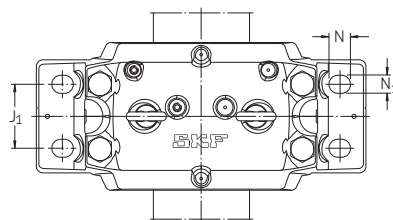
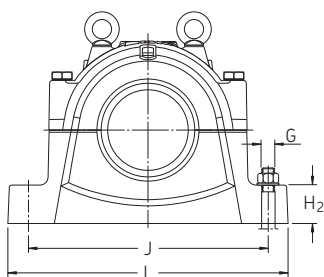


Shaft $d_a$	Housing dimensions											Mass G	Designations			
	A	$A_1$	H	$H_1$	$H_2$	J	$J_1$	L	N	$N_1$	s		Components Housing only	Seal	End cover	
mm	mm											kg				
<b>320</b>	350	310	591	300	110	710	190	830	50	42	22	36	301	SNL 3064 G SNL 3064 G	TS 72 TNF 72	ETS 72 ETS 72
	370	330	631	320	115	750	200	880	50	42	23	36	339	SNL 3164 G SNL 3164 G	TS 72 TNF 72	ETS 72 ETS 72
<b>340</b>	370	330	631	320	115	750	200	880	50	42	23	36	339	SNL 3068 G SNL 3068 G	TS 76 TNF 76	ETS 76 ETS 76
	400	360	675	340	120	810	220	950	50	42	24	36	430 427	SNL 3168 GF SNL 3168 GL	TS 76	ETS 76
<b>360</b>	370	330	631	320	115	750	200	880	50	42	23	36	339	SNL 3072 G SNL 3072 G	TS 80 TNF 80	ETS 80 ETS 80
	400	360	695	350	120	840	220	1 000	50	42	30	36	458 454	SNL 3172 GF SNL 3172 GL	TS 80	ETS 80
<b>380</b>	400	360	675	340	120	810	220	950	50	42	24	36	430 427	SNL 3076 GF SNL 3076 GL	TS 84	ETS 84
	400	360	715	360	120	870	220	1 040	50	42	30	36	473 470	SNL 3176 GF SNL 3176 GL	TS 84	ETS 84
<b>400</b>	400	360	695	350	120	840	220	1 000	50	42	30	36	458 454	SNL 3080 GF SNL 3080 GL	TS 92	ETS 92
	430	390	775	380	125	950	240	1 120	60	48	30	42	595 595	SNL 3180 GF SNL 3180 GL	TS 92	ETS 92
<b>420</b>	400	360	715	360	120	870	220	1 040	50	42	30	36	473 470	SNL 3084 GF SNL 3084 GL	TS 96	ETS 96
	460	420	810	410	130	1 000	260	1 170	60	48	35	42	716 709	SNL 3184 GF SNL 3184 GL	TS 96	ETS 96
<b>440</b>	430	390	775	380	125	950	240	1 120	60	48	30	42	595 595	SNL 3088 GF SNL 3088 GL	TS 500	ETS 500
	460	430	835	420	135	1 030	260	1 220	60	48	35	42	755 751	SNL 3188 GF SNL 3188 GL	TS 500	ETS 500
<b>460</b>	460	420	810	410	130	1 000	260	1 170	60	48	35	42	716 709	SNL 3092 GF SNL 3092 GL	TS 530	ETS 530
	470	440	880	440	145	1 070	260	1 280	60	48	35	42	865 859	SNL 3192 GF SNL 3192 GL	TS 530	ETS 530

Consult SKF USA Inc. prior to design change or order placement.



Large SNL plummer block housings  
for bearings with cylindrical bore  
d<sub>a</sub> 320 — 460 mm



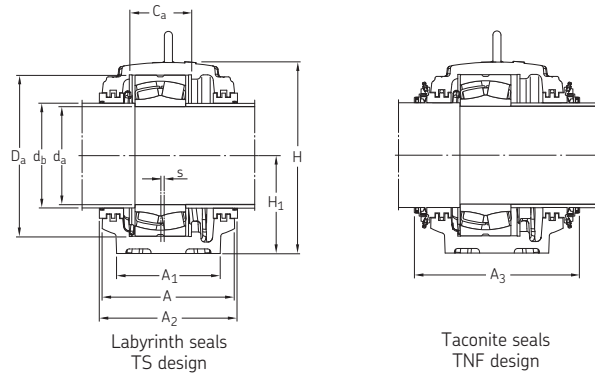
Shaft		Bearing seating		Width across seals		Eye bolts According to DIN 580	Appropriate bearings and associated components	
d <sub>a</sub>	d <sub>b</sub>	C <sub>a</sub>	D <sub>a</sub>	A <sub>2</sub>	A <sub>3</sub>		Spherical roller bearing	Locating rings
mm		mm		mm		—	—	
320	340	181	480	360	443	M 30	23064 CC/W33 24064 CC/W33 C 3064 M	6 FRB 10/480 2 FRB 10.5/480 6 FRB 10/480
	340	196	540	380	462	M 30	23164 CC/W33 C 3164 M	2 FRB 10/540 2 FRB 10/540
340	360	197	520	380	461	M 30	23068 CC/W33 24068 CC/W33 C 3068 M	4 FRB 16/520 2 FRB 8.5/520 4 FRB 16/520
	360	190 210	580	410	491	M 30	23168 CC/W33	
360	380	198	540	380	461	M 30	23072 CC/W33 24072 CC/W33	4 FRB 16/540 2 FRB 9/540
	380	192 212	600	410	491	M 36	23172 CC/W33	—
380	400	135 180	560	410	492	M 30	23076 CC/W33	—
	400	194 214	620	410	491	M 36	23176 CA/W33	—
400	430	148 192	600	410	492	M 36	23080 CC/W33	—
	430	200 220	650	440	521	M 42	23180 CA/W33	—
420	450	150 194	620	410	492	M 36	23084 CA/W33	—
	450	224 244	700	470	551	M 42	23184 CJ/W33	—
440	470	157 200	650	440	522	M 42	23088 CA/W33	—
	470	226 246	720	470	552	M 42	23188 CA/W33	—
460	500	163 224	680	470	552	M 42	23092 CA/W33	—
	500	240 260	760	480	562	M 48	23192 CA/W33	—

For missing locating ring data, please contact SKF Applications Engineering.

Consult SKF USA Inc. prior to design change or order placement.

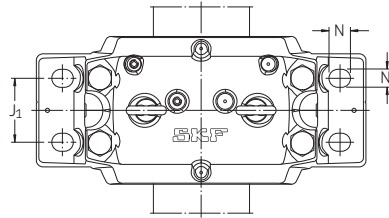
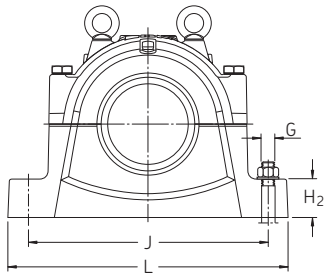
# Split pillow blocks (metric series)

Large SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  480 — 500 mm



Shaft $d_a$	Housing dimensions												Mass	Designations Components Housing only	Seal	End cover
	A	A <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub>	J	J <sub>1</sub>	L	N	N <sub>1</sub>	s	G				
mm	mm												kg			
<b>480</b>	460	420	810	410	130	1 000	260	1 170	60	48	35	42	716 709	SNL 3096 GF SNL 3096 GL	TS 530/510	ETS 530
	470	440	920	460	155	1 110	260	1 330	70	56	35	48	947 941	SNL 3196 GF SNL 3196 GL	TS 560/520	ETS 560
<b>500</b>	460	430	835	420	135	1 030	260	1 220	60	48	35	42	745 751	SNL 30/500 GF SNL 30/500 GL	TS 560	ETS 560
<b>530</b>	470	440	920	460	155	1 110	260	1 330	70	56	35	48	947 941	SNL 30/530 GF SNL 30/530 GL	TS 600	ETS 600

Large SNL plummer block housings  
for bearings with cylindrical bore  
 $d_a$  480 — 500 mm



Shaft		Bearing seating		Width across seals		Eye bolts According to DIN 580	Appropriate bearings and associated components Spherical roller bearing CARB bearing Locating rings
$d_a$	$d_b$	$C_a$	$D_a$	$A_2$	$A_3$		
mm		mm		mm		—	—
480	510	165 224	700	470	561	M 42	23096 CA/W33
	520	248 268	790	480	561	M 48	23196 CA/W33
500	530	167 226	720	470	551	M 42	230/500 CA/W33
530	560	185 248	780	480	551	M 48	230/530 CA/W33

For missing locating ring data please contact SKF Applications Engineering.

# Bearing accessories

## Adapter and withdrawal sleeves

Adapter and withdrawal sleeves are used to secure bearings having a tapered bore on to cylindrical shaft seatings. They facilitate bearing mounting and dismounting and often simplify bearing arrangement design. Adapter sleeves are the more popular as they enable bearings to be mounted on straight shafts (**Figure 1**) as well as stepped shafts (**Figure 2**). They are easier to mount than the withdrawal sleeves (**Figure 3**) and require no additional location on the shaft.

When using adapter sleeves on straight shafts it is possible to locate the bearing at any position on the shaft. When used on stepped shafts together with a support ring, exact axial positioning of the bearing can be achieved and bearing dismounting is facilitated.

Bearings on withdrawal sleeves must be mounted against a fixed abutment, for example, a shaft shoulder. The withdrawal sleeve must be secured in position after it has been pressed into the bearing bore by a lock nut or plate on the shaft.

As adapter and withdrawal sleeves adapt to the shaft diameter, less stringent shaft tolerances can be permitted. However, the accuracy of form the running accuracy of the bearing arrangement. Generally, seatings machined to tolerance h9 and having a cylindricity tolerance to IT5/2 will be satisfactory.

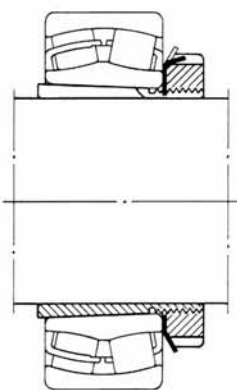
### Adapter and withdrawal sleeves for oil injection

The requisite interference fit of the bearing on the shaft is achieved by pressing the bearing up on to the adapter sleeve, or by pressing the withdrawal sleeve into the bearing bore. The force required to do this may be considerable, particularly where large bearings are concerned, because of the friction of the mating surfaces in the bearing/sleeve and sleeve/shaft contacts.

To facilitate the use of the oil injection method for mounting and dismounting, larger SKF adapter and withdrawal sleeves are available with oil supply ducts and distribution grooves. If oil is injected and pressure maintained via these ducts and grooves between the sleeve and bearing bore and between the sleeve and shaft, friction in the contacts will be reduced, and the force required for mounting and dismounting will be considerably smaller than for mounting in the dry state.

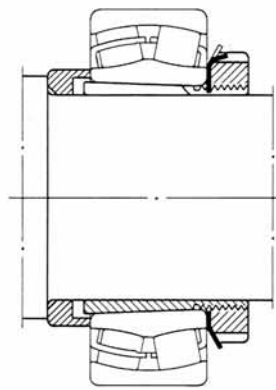
The oil injection equipment required for this method is also available from SKF; please refer to SKF Maintenance and Lubrication Products Catalog (711-639). When using the oil injection method and equipment, the prescribed precautionary measures **should be** observed.

Figure 1



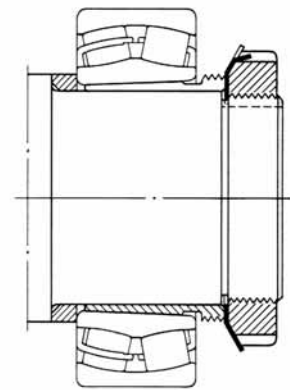
*Straight shaft mounting  
with adapter sleeve*

Figure 2



*Shouldered shaft mounting  
with adapter sleeve*

Figure 3



*Withdrawal sleeve mount  
on a stepped shaft*

## Adapter sleeves

SKF adapter sleeves (**Figure 4**) are supplied complete with lock nut and locking device. The sleeves have a slotted design and an external taper of 1:12. Up to size 40, the sleeves are phosphated; the larger sleeves are not surface treated but are oiled.

The dimensions of the metric adapter sleeves conform to ISO 2982-1:1995. Adapter sleeves with inch dimensions are in accordance with ANSI/ABMA std 8.2.

### Adapter sleeves for oil injection

SKF metric adapter sleeves with a bore diameter of 140 mm and above are supplied with oil supply ducts and distributor grooves for pressurized oil (**Figure 5**). Ducts and grooves are optional for inch dimension sleeves of 7<sup>1</sup>/<sub>8</sub>" and above. The following four types are available:

- OH Oil injected between bearing and sleeve. One oil supply duct from large end of sleeve.
- OH ..B Oil injected between bearing, sleeve and shaft. Sizes 32 to 40: one oil supply duct from large end of sleeve. Size 44 and larger: two oil supply ducts from large end of sleeve.
- OH .. H Oil injected between bearing and sleeve. One oil supply duct from nut side of sleeve.
- OH .. HB Oil injected between bearing, sleeve and shaft. Sizes 32 to 40: one oil supply duct from nut side of sleeve. Size 44 and larger: two oil supply ducts from nut side of sleeve.

For metric adapter sleeves the dimensions of the oil injection holes are shown in the table. For corresponding information on inch dimension adapter sleeves, please consult SKF Applications Engineering.

## Withdrawal sleeves

SKF withdrawal sleeves (**Figure 6**) are coated with a preservative. They are slotted and have an external taper of 1:12, except for those of series AH 240 and AH 241, which have an external taper of 1:30 and are designed for use with the wide spherical roller bearings of series 240 K30 and 241 K30.

The dimensions of the metric withdrawal sleeves are in accordance with ISO 2982-1:1995. Prefix X indicates that the sleeve has been modified and suffix G indicates that the thread pitch diameter G has been changed to adopt to the ISO standard.

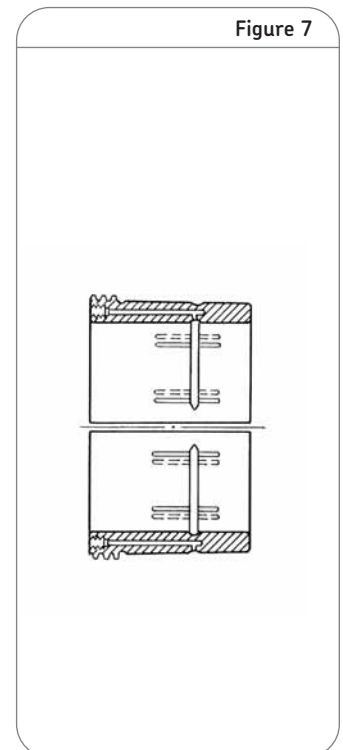
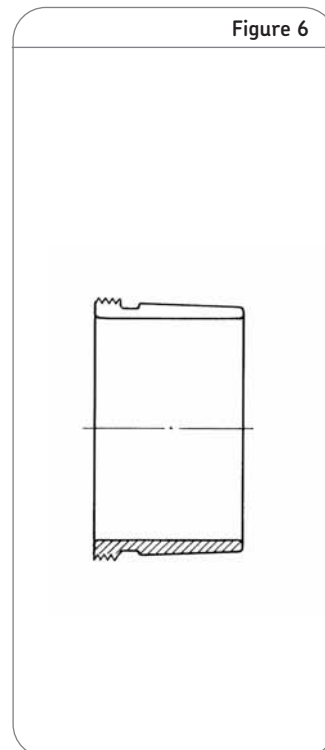
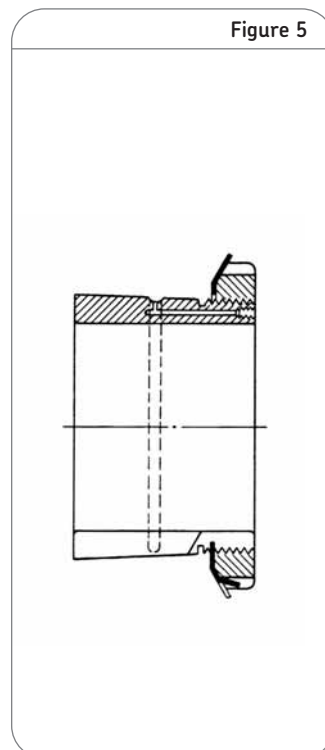
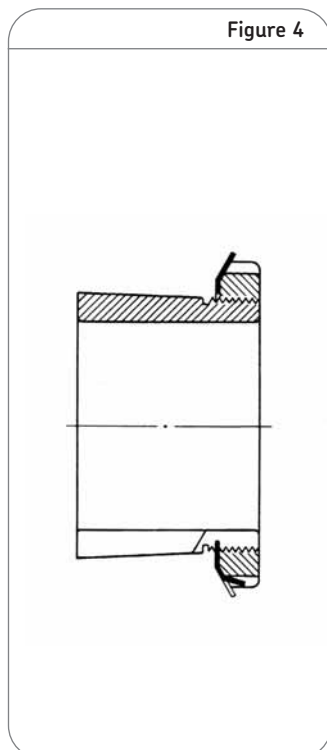
The nuts required for dismounting are not supplied with the sleeves and must be ordered separately.

### Withdrawal sleeves for oil injection

SKF metric sleeves having a bore diameter of 200 mm and above are supplied as standard in the AOH design, which enables the oil injection method to be used.

AOH withdrawal sleeves (**Figure 7**) have two oil supply ducts at the threaded side and have distribution grooves around the circumference and in the axial direction on the outside surface as well as in the bore.

The tables give the thread data for the supply ducts to take the oil injection equipment, which can be supplied by SKF.



## Bearing accessories

### Lock nuts

SKF can supply a wide range of sizes of lock nuts, which are also referred to as shaft or withdrawal nuts, depending on the use to which they are put. They are used to locate bearings and other components on shafts as well as to facilitate mounting and dismounting bearings on withdrawal sleeves, adapter sleeves or tapered journals.

SKF lock nuts have four (Figure 8) or eight (Figure 9) equally spaced slots around the outside diameter to allow the use of hook, impact or HNM spanners.

Metric lock nuts up to and including size 40 (KM and KML designs) have a metric ISO thread to tolerance 5H, ISO 965/III-1980, while the larger nuts from size 42 have a metric ISO trapezoidal thread to tolerance 7H, ISO 2901-1977. It is recommended that the mating thread on the shaft be made to tolerance 6g according to ISO 965/III-1980 for the smaller nuts and to tolerance 7e according to ISO 2901-1977 for those with trapezoidal thread.

Inch-size lock nuts up to and including a thread diameter of 12.562" have a thread of American National Form NS Class 3. Larger inch sizes have an Acme Class 3G, General Purpose thread. The mating inch thread on the shaft must be of the same form and tolerance as that of the nut.

The dimensions of the metric lock nuts are in accordance with ISO 2982-2:1995. The inch series nuts are in accordance with ANSI/ABMA std 8.2.

### Locking washers, locking clips and locking plates

Locking washers (Figure 10) of the MB, MBL and W designs are used with the smaller nuts, while locking clips (Figure 11) of the MS design and locking plates of the P design are used with larger nuts. They engage a groove in the shaft and lock the nut in position. Locking washers of the MB .. A design are used when a washer with increased strength is needed.

The locking washers are made of deep drawn steel strip. Dimensions of the metric sizes, except those of the MB .. A designs, conform to ISO 2982-2:1995. Inch-size locking washers are in accordance with ANSI/ABMA std 8.2.

The locking clips and plates are also made of deep drawn steel strip. They are attached to the shaft nut using a screw with hexagonal head to DIN EN 24017:1992. The screw and a spring washer (to DIN 128) are supplied with the clips. Locking plates type P are supplied with a steel wire to be passed through the holes in the head of each screw. The ends of the wire should be twisted together, to prevent loosening of the screws.

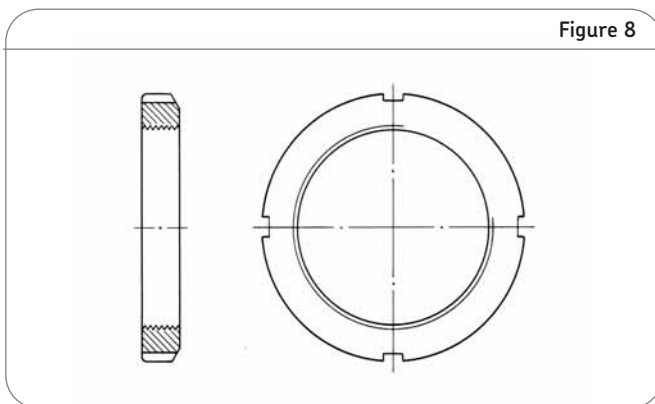


Figure 8

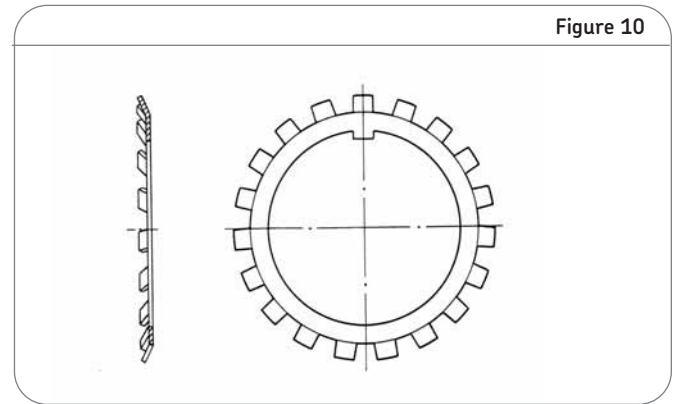


Figure 10

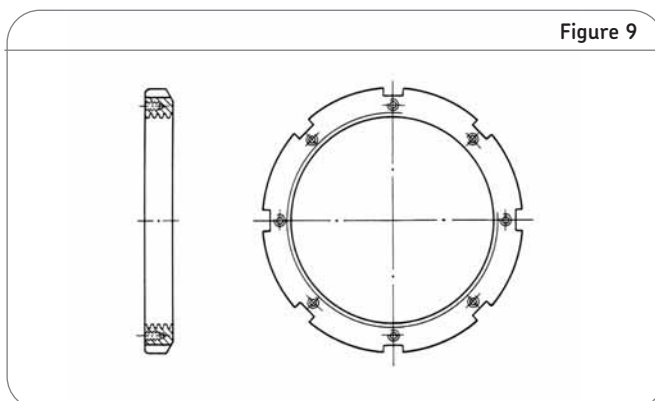


Figure 9

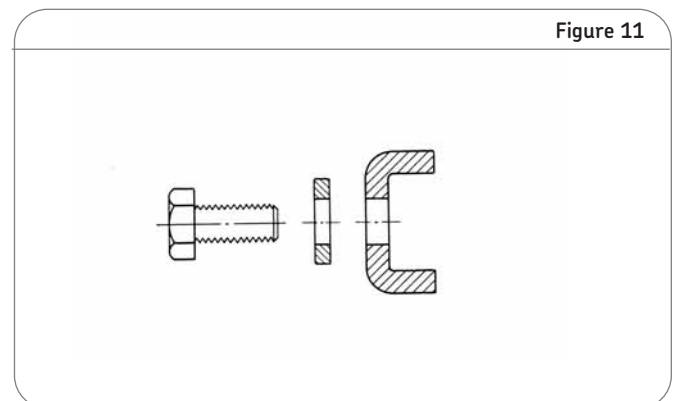


Figure 11

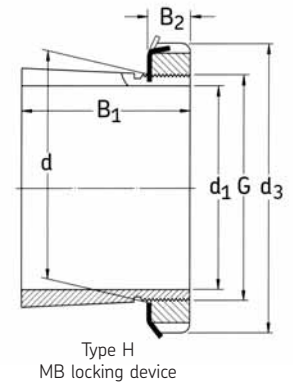
### Other accessories

In addition to the selection of accessories shown in this publication, SKF can also supply a wide variety of other aids for mounting and dismounting rolling bearings. These include dollies, drifts, mechanical tools such as drive-up kits and pullers, oil pumps with accessories, complete oil injection tool kits, heating tools, electrical withdrawal tools, gauges and other items. Further details can be found in the SKF Maintenance and Lubrication Products catalog (711-639).

A carefully selected range of lubricating greases is also available to cover the majority of applications where grease lubricated bearings are used.

# Accessories (metric series)

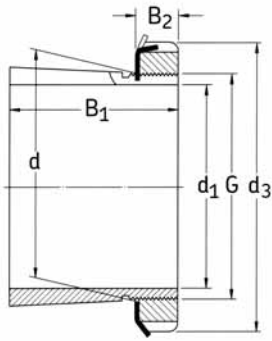
Adapter sleeves  
d<sub>1</sub> 17 — 55 mm



Dimensions						Mass	Designations Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	G						
mm						kg	—				
17	20	32	24	7	M 20x1	0.036	<b>H 204</b>	KM 4	MB 4	-	1204 EK
		32	28	7	M 20x1	0.04	<b>H 304</b>	KM 4	MB 4	-	2204 EK, 1304 EK
		32	31	7	M 20x1	0.05	<b>H 2304</b>	KM 4	MB 4	-	2304 K
20	25	38	26	8	M 25x1.5	0.064	<b>H 205</b>	KM 5	MB 5	-	1205 EK
		38	29	8	M 25x1.5	0.071	<b>H 305</b>	KM 5	MB 5	-	2205 EK, 1305 EK, 22205 EK
		38	29	8	M 25x1.5	0.071	<b>H 305 C</b>	KM 5	MB 5 C	-	2205 E-2RS1K
		38	35	8	M 25x1.5	0.085	<b>H 2305</b>	KM 5	MB 5	-	2305 K
25	30	45	27	8	M 30x1.5	0.086	<b>H 206</b>	KM 6	MB 6	-	1206 EK
		45	31	8	M 30x1.5	0.095	<b>H 306</b>	KM 6	MB 6	-	2206 EK, 1306 EK, 22206 EK
		45	31	8	M 30x1.5	0.095	<b>H 306 C</b>	KM 6	MB 6 C	-	2206 E-2RS1K
		45	38	8	M 30x1.5	0.11	<b>H 2306</b>	KM 6	MB 6	-	2306 K
30	35	52	29	9	M 35x1.5	0.12	<b>H 207</b>	KM 7	MB 7	-	1207 EK
		52	35	9	M 35x1.5	0.14	<b>H 307</b>	KM 7	MB 7	-	2207 EK, 1307 EK, 22207 EK
		52	35	9	M 35x1.5	0.14	<b>H 307 C</b>	KM 7	MB 7 C	-	2207 E-2RS1K
		52	43	9	M 35x1.5	0.16	<b>H 2307</b>	KM 7	MB 7	-	2307 EK
35	40	58	31	10	M 40x1.5	0.16	<b>H 208</b>	KM 8	MB 8	-	1208 EK
		58	36	10	M 40x1.5	0.17	<b>H 308</b>	KM 8	MB 8	-	2208 EK, 1308 EK, 22208 EK,
											21308 CCK
		58	36	10	M 40x1.5	0.17	<b>H 308 C</b>	KM 8	MB 8 C	-	2208 E-2RS1K
										2308 EK, 22308 EK	
40	45	65	33	11	M 45x1.5	0.21	<b>H 209</b>	KM 9	MB 9	-	1209 EK
		65	39	11	M 45x1.5	0.23	<b>H 309</b>	KM 9	MB 9	-	2209 EK, 1309 EK, 22209 EK,
											21309 CCK
		65	39	11	M 45x1.5	0.23	<b>H 309 C</b>	KM 9	MB 9 C	-	2209 E-2RS1K
										2309 EK, 22309 EK	
45	50	70	35	12	M 50x1.5	0.24	<b>H 210</b>	KM 10	MB 10	HMV 10	1210 EK
		70	42	12	M 50x1.5	0.27	<b>H 310</b>	KM 10	MB 10	HMV 10	2210 EK, 1310 EK, 22210 EK,
											21310 CCK
		70	42	12	M 50x1.5	0.27	<b>H 310 C</b>	KM 10	MB 10 C	-	2210-2RS1K
										2310 K, 22310 EK	
50	55	75	37	12.5	M 55x2	0.28	<b>H 211</b>	KM 11	MB 11	HMV 11	1211 EK
		75	45	12.5	M 55x2	0.32	<b>H 311</b>	KM 11	MB 11	HMV 11	2211 EK, 1311 EK, 22211 EK,
											21311 CCK
		75	45	12.5	M 55x2	0.32	<b>H 311 C</b>	KM 11	MB 11 C	-	2211 E-2RS1K
										2311 K, 22311 EK	
55	60	80	38	13	M 60x2	0.31	<b>H 212</b>	KM 12	MB 12	HMV 12	1212 EK
		80	47	13	M 60x2	0.36	<b>H 312</b>	KM 12	MB 12	HMV 12	2212 EK, 1312 EK, 22212 EK,
											21312 CCK
		80	62	13	M 60x2	0.45	<b>H 2312</b>	KM 12	MB 12	HMV 12	2312 K, 22312 EK

Consult SKF USA Inc. prior to design change or order placement.





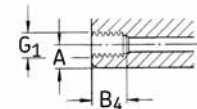
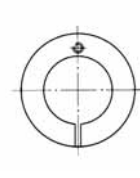
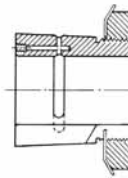
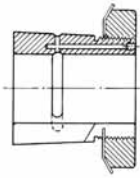
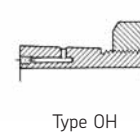
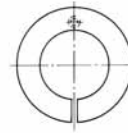
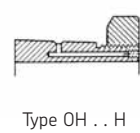
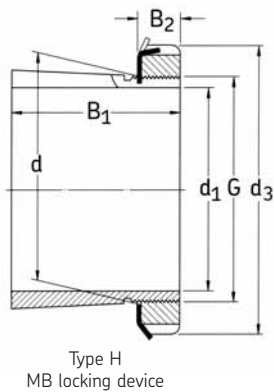
Type H  
MB locking device

Dimensions						Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	G		Adapter sleeve with lock nut and locking device				
mm						kg	—				
60	65	85	40	14	M 65x2	0.36	<b>H 213</b>	KM 13	MB 13	-	1213 EK
		85	50	14	M 65x2	0.42	<b>H 313</b>	KM 13	MB 13	HMV 13	2213 EK, 1313 EK, 22213 EK, 21313 CCK
		85	65	14	M 65x2	0.52	<b>H 2313</b>	KM 13	MB 13	HMV 13	2313 K, 22313 EK
	70	92	52	14	M 70x2	0.67	<b>H 314</b>	KM 14	MB 14	HMV 14	22214 EK, 21314 CCK
		92	68	14	M 70x2	0.88	<b>H 2314</b>	KM 14	MB 14	HMV 14	22314 EK
	65	75	98	43	15	M 75x2	0.66	<b>H 215</b>	KM 15	MB 15	HMV 15
98			55	15	M 75x2	0.78	<b>H 315</b>	KM 15	MB 15	HMV 15	2215 K, 1315 K, 22215 EK, 21315 CCK
98			73	15	M 75x2	1.1	<b>H 2315</b>	KM 15	MB 15	HMV 15	2315 K, 22315 EK
70	80	105	46	17	M 80x2	0.81	<b>H 216</b>	KM 16	MB 16	HMV 16	1216 K
		105	59	17	M 80x2	0.95	<b>H 316</b>	KM 16	MB 16	HMV 16	2216 EK, 1316 K, 22216 EK, 21316 CCK
		105	78	17	M 80x2	1.2	<b>H 2316</b>	KM 16	MB 16	HMV 16	2316 K, 22316 EK
75	85	110	50	18	M 85x2	0.94	<b>H 217</b>	KM 17	MB 17	HMV 17	1217 K
		110	63	18	M 85x2	1.1	<b>H 317</b>	KM 17	MB 17	HMV 17	2217 K, 1317 K, 22217 EK, 21317 CCK
		110	82	18	M 85x2	1.35	<b>H 2317</b>	KM 17	MB 17	HMV 17	2317 K, 22317 EK
80	90	120	52	18	M 90x2	1.1	<b>H 218</b>	KM 18	MB 18	HMV 18	1218 K
		120	65	18	M 90x2	1.3	<b>H 318</b>	KM 18	MB 18	HMV 18	2218 K, 1318 K, 22218 EK, 21318 CCK
		120	86	18	M 90x2	1.6	<b>H 2318</b>	KM 18	MB 18	HMV 18	2318 K, 23218 CCK/W33, 22318 EK
85	95	125	55	19	M 95x2	1.25	<b>H 219</b>	KM 19	MB 19	HMV 19	1219 K
		125	68	19	M 95x2	1.4	<b>H 319</b>	KM 19	MB 19	HMV 19	2219 K, 1319 K, 22219 EK, 21319 CCK
		125	90	19	M 95x2	1.8	<b>H 2319</b>	KM 19	MB 19	HMV 19	2319 K, 22319 EK
90	100	130	58	20	M 100x2	1.4	<b>H 220</b>	KM 20	MB 20	HMV 20	1220 K
		130	71	20	M 100x2	1.6	<b>H 320</b>	KM 20	MB 20	HMV 20	2220 K, 1320 K, 22220 EK, 21320 CCK
		130	97	20	M 100x2	2	<b>H 2320</b>	KM 20	MB 20	HMV 20	2320 K, 23220 CCK/W33, 22320 EK
		130	76	20	M 100x2	1.8	<b>H 3120</b>	KM 20	MB 20	HMV 20	23120 CCK/W33
95	105	140	60	20	M 105x2	1.6	<b>H 221</b>	KM 21	MB 21	HMV 21	1221 K
		140	74	20	M 105x2	1.85	<b>H 321</b>	KM 21	MB 21	HMV 21	2221 K, 1321 K
100	110	145	63	21	M 110x2	1.8	<b>H 222</b>	KM 22	MB 22	HMV 22	1222 K
		145	77	21	M 110x2	2.05	<b>H 322</b>	KM 22	MB 22	HMV 22	2222 K, 1322 K, 23022 CCK, 22222 EK, 21322 CCK
		145	105	21	M 110x2	2.75	<b>H 2322</b>	KM 22	MB 22	HMV 22	2322 K, 23222 CCK/W33, 22322 EK
		145	81	21	M 110x2	2.1	<b>H 3122</b>	KM 22	MB 22	HMV 22	23122 CCK/W33
110	120	145	60	22	M 120x2	1.7	<b>H 3924</b>	KML 24	MBL 24	HMV 24	23924 CCK/W33
		145	72	22	M 120x2	1.8	<b>H 3024</b>	KML 24	MBL 24	HMV 24	1224 K, 23024 CCK/W33
	155	88	22	M 120x2	2.5	<b>H 3124</b>	KM 24	MB 24	HMV 24	23124 CCK/W33, 22224 EK	
		155	112	22	M 120x2	3	<b>H 2324</b>	KM 24	MB 24	HMV 24	23224 CCK/W33, 22324 CCK/W33

# Accessories (metric series)

## Adapter sleeves

d<sub>1</sub> 115 — 140 mm



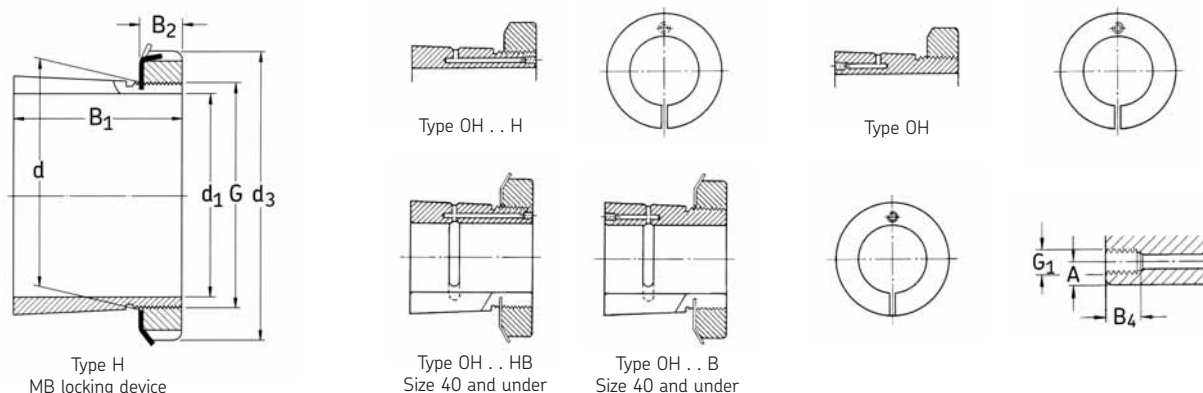
Type OH . . HB  
Size 40 and under

Type OH . . B  
Size 40 and under

Dimensions									Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm									in	kg	—					
115	130	155	65	23	-	-	M 130x2	-	-	2.4	<b>H 3926</b>	KML 26	MBL 26	HMV 26	23926 CCK/W33	
		155	80	23	-	-	M 130x2	-	-	2.8	<b>H 3026</b>	KML 26	MBL 26	HMV 26	23026 CCK/W33	
		165	92	23	-	-	M 130x2	-	-	3.45	<b>H 3126</b>	KM 26	MB 26	HMV 26	23126 CCK/W33, 22226 EK	
		165	121	23	-	-	M 130x2	-	-	4.45	<b>H 2326</b>	KM 26	MB 26	HMV 26	23226 CCK/W33, 22326 CCK/W33	
125	140	165	66	24	-	-	M 140x2	-	-	2.7	<b>H 3928</b>	KML 28	MBL 28	HMV 28	23928 CCK/W33	
		165	82	24	-	-	M 140x2	-	-	3.05	<b>H 3028</b>	KML 28	MBL 28	HMV 28	23028 CCK/W33	
		180	97	24	-	-	M 140x2	-	-	4.1	<b>H 3128</b>	KM 28	MB 28	HMV 28	23128 CCK/W33, 22228 CCK/W33	
		180	131	24	-	-	M 140x2	-	-	5.4	<b>H 2328</b>	KM 28	MB 28	HMV 28	23228 CCK/W33, 22328 CCK/W33	
135	150	180	76	26	-	-	M 150x2	-	-	3.6	<b>H 3930</b>	KML 30	MBL 30	HMV 30	23930 CCK/W33	
		180	87	26	-	-	M 150x2	-	-	3.75	<b>H 3030</b>	KML 30	MBL 30	HMV 30	23030 CCK/W33	
		195	111	26	-	-	M 150x2	-	-	5.25	<b>H 3130</b>	KM 30	MB 30	HMV 30	23130 CCK/W33, 22230 CCK/W33	
		195	139	26	-	-	M 150x2	-	-	6.4	<b>H 2330</b>	KM 30	MB 30	HMV 30	23230 CCK/W33, 22330 CCK/W33	
140	160	190	78	27.5	-	-	M 160x3	-	-	4.6	<b>H 3932</b>	KML 32	MBL 32	HMV 32	23932 CCK/W33	
		190	78	27.5	9	4.2	M 160x3	M 6	-	4.6	<b>OH 3932 H</b>	KML 32	MBL 32	HMV 32	23932 CCK/W33	
		190	78	27.5	9	4.2	M 160x3	M 6	-	4.6	<b>OH 3932 HB</b>	KML 32	MBL 32	HMV 32	23932 CCK/W33	
		190	78	27.5	9	5	M 160x3	M 6	-	4.6	<b>OH 3932</b>	KML 32	MBL 32	HMV 32	23932 CCK/W33	
		190	78	27.5	9	5	M 160x3	M 6	-	4.6	<b>OH 3932 B</b>	KML 32	MBL 32	HMV 32	23932 CCK/W33	
		190	93	27.5	-	-	M 160x3	-	-	5.1	<b>H 3032</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33	
		190	93	27.5	9	4.2	M 160x3	M 6	-	5.1	<b>OH 3032 H</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33	
		190	93	27.5	9	4.2	M 160x3	M 6	-	5.1	<b>OH 3032 HB</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33	
	210	119	190	93	27.5	9	5	M 160x3	M 6	-	5.1	<b>OH 3032</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33
			190	93	27.5	9	5	M 160x3	M 6	-	5.1	<b>OH 3032 B</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33
			210	119	28	-	-	M 160x3	-	-	7.25	<b>H 3132</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33
			210	119	28	9	4.2	M 160x3	M 6	-	7.25	<b>OH 3132 H</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33
			210	119	28	9	4.2	M 160x3	M 6	-	7.25	<b>OH 3132 HB</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33
			210	119	28	13	6.8	M 160x3	-	G 1/8	7.25	<b>OH 3132</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33
			210	119	28	13	6.8	M 160x3	-	G 1/8	7.25	<b>OH 3132 B</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33

Consult SKF USA Inc. prior to design change or order placement.

Adapter sleeves  
d<sub>1</sub> 140 — 150 mm



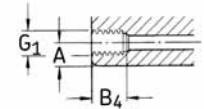
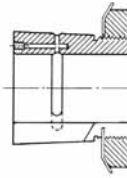
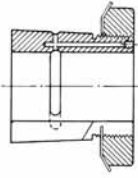
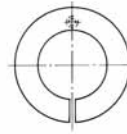
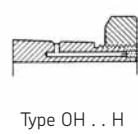
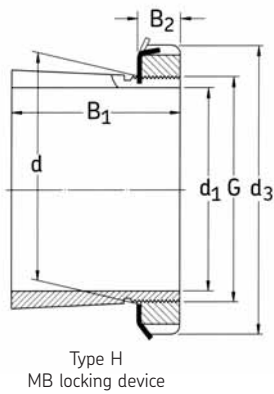
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)			
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>			Adapter sleeve with lock nut and locking device							
mm										in	kg	—						
140	160	210	147	28	-	-	M 160x3	-	-	8.8	<b>H 2332</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33			
			147	28	9	4.2	M 160x3	M 6	-	8.8	<b>OH 2332 H</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33			
			147	28	9	4.2	M 160x3	M 6	-	8.8	<b>OH 2332 HB</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33			
			147	28	13	7	M 160x3	-	G 1/8	8.8	<b>OH 2332</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33			
			147	28	13	7	M 160x3	-	G 1/8	8.8	<b>OH 2332 B</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33			
150	170	200	79	28.5	-	-	M 170x3	-	-	5	<b>H 3934</b>	KML 34	MBL 34	HMV 34	23934 CCK/W33			
			79	28.5	9	4.2	M 170x3	M 6	-	5	<b>OH 3934 H</b>	KML 34	MBL 34	HMV 34	23934 CCK/W33			
			79	28.5	9	4.2	M 170x3	M 6	-	5	<b>OH 3934 HB</b>	KML 34	MBL 34	HMV 34	23934 CCK/W33			
			79	28.5	9	5	M 170x3	M 6	-	5	<b>OH 3934</b>	KML 34	MBL 34	HMV 34	23934 CCK/W33			
			79	28.5	9	5	M 170x3	M 6	-	5	<b>OH 3934 B</b>	KML 34	MBL 34	HMV 34	23934 CCK/W33			
	200	101	28.5	79	28.5	-	-	M 170x3	-	-	5.8	<b>H 3034</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33		
				79	28.5	9	4.2	M 170x3	M 6	-	5.8	<b>OH 3034 H</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33		
				79	28.5	9	4.2	M 170x3	M 6	-	5.8	<b>OH 3034 HB</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33		
				101	28.5	9	5	M 170x3	M 6	-	5.8	<b>OH 3034</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33		
				101	28.5	9	5	M 170x3	M 6	-	5.8	<b>OH 3034 B</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33		
		220	122	29	79	28.5	-	-	M 170x3	-	-	8.1	<b>H 3134</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33	
					79	28.5	9	4.2	M 170x3	M 6	-	8.1	<b>OH 3134 H</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33	
					79	28.5	9	4.2	M 170x3	M 6	-	8.1	<b>OH 3134 HB</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33	
					79	28.5	13	7	M 170x3	-	G 1/8	8.1	<b>OH 3134</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33	
					79	28.5	13	7	M 170x3	-	G 1/8	8.1	<b>OH 3134 B</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33	
			154	29	-	79	28.5	-	-	M 170x3	-	-	9.9	<b>H 2334</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33
						79	28.5	9	4.2	M 170x3	M 6	-	9.9	<b>OH 2334 H</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33
						79	28.5	9	4.2	M 170x3	M 6	-	9.9	<b>OH 2334 HB</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33
	154	29	13	79	28.5	-	-	M 170x3	-	G 1/8	9.9	<b>OH 2334</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33		
				79	28.5	13	7	M 170x3	-	G 1/8	9.9	<b>OH 2334 B</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33		

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

## Adapter sleeves

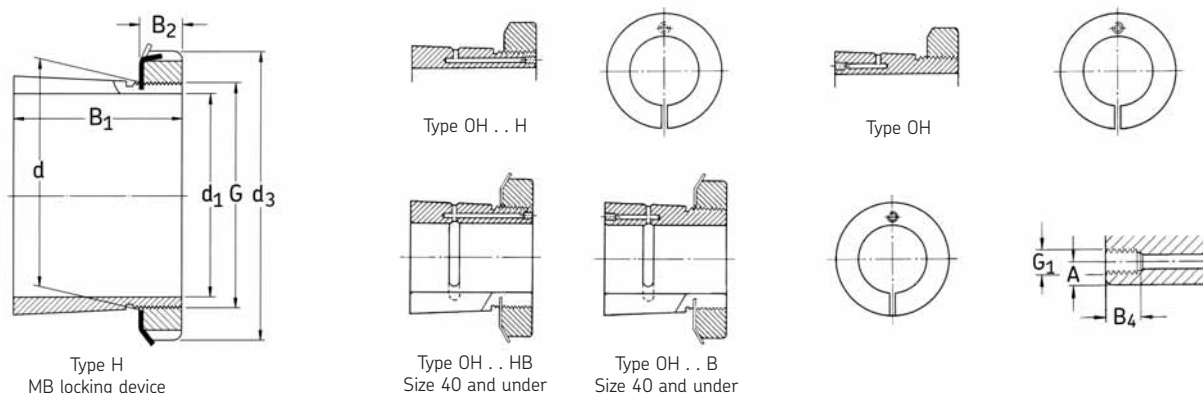
d<sub>1</sub> 160 — 170 mm



Dimensions								Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)				
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>	Adapter sleeve with lock nut and locking device								
mm									in	kg	—						
160	180	210	87	29.5	-	-	M 180x3	-	-	5.7	<b>H 3936</b>	KML 36	MBL 36	HMV 36	23936 CCK/W33		
		210	87	29.5	9	4.2	M 180x3	M 6	-	5.7	<b>OH 3936 H</b>	KML 36	MBL 36	HMV 36	23936 CCK/W33		
		210	87	29.5	9	4.2	M 180x3	M 6	-	5.7	<b>OH 3936 HB</b>	KML 36	MBL 36	HMV 36	23936 CCK/W33		
		210	87	29.5	9	5	M 180x3	M 6	-	5.7	<b>OH 3936</b>	KML 36	MBL 36	HMV 36	23936 CCK/W33		
		210	87	29.5	9	5	M 180x3	M 6	-	5.7	<b>OH 3936 B</b>	KML 36	MBL 36	HMV 36	23936 CCK/W33		
	210	109	210	109	29.5	-	-	M 180x3	-	-	6.7	<b>H 3036</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33	
			210	109	29.5	9	4.2	M 180x3	M 6	-	6.7	<b>OH 3036 H</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33	
			210	109	29.5	9	4.2	M 180x3	M 6	-	6.7	<b>OH 3036 HB</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33	
			210	109	29.5	9	5	M 180x3	M 6	-	6.7	<b>OH 3036</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33	
			210	109	29.5	9	5	M 180x3	M 6	-	6.7	<b>OH 3036 B</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33	
	230	131	230	131	30	-	-	M 180x3	-	-	9.15	<b>H 3136</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33	
			230	131	30	9	4.2	M 180x3	M 6	-	9.15	<b>OH 3136 H</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33	
		230	131	230	131	30	9	4.2	M 180x3	M 6	-	9.15	<b>OH 3136 HB</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33
				230	131	30	13	7	M 180x3	-	G 1/8	9.15	<b>OH 3136</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33
		230	131	230	131	30	13	7	M 180x3	-	G 1/8	9.15	<b>OH 3136 B</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33
				230	161	30	-	-	M 180x3	-	-	11	<b>H 2336</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
		230	161	230	161	30	9	4.2	M 180x3	M 6	-	11	<b>OH 2336 H</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
				230	161	30	9	4.2	M 180x3	M 6	-	11	<b>OH 2336 HB</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
		230	161	230	161	30	13	7	M 180x3	-	G 1/8	11	<b>OH 2336</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
				230	161	30	13	7	M 180x3	-	G 1/8	11	<b>OH 2336 B</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
170	190	220	89	30.5	-	-	M 190x3	-	-	6.2	<b>H 3938</b>	KML 38	MBL 38	HMV 38	23938 CCK/W33		
		220	89	30.5	9	4.2	M 190x3	M 6	-	6.2	<b>OH 3938 H</b>	KML 38	MBL 38	HMV 38	23938 CCK/W33		
		220	89	30.5	9	4.2	M 190x3	M 6	-	6.2	<b>OH 3938 HB</b>	KML 38	MBL 38	HMV 38	23938 CCK/W33		
		220	89	30.5	9	5	M 190x3	M 6	-	6.2	<b>OH 3938</b>	KML 38	MBL 38	HMV 38	23938 CCK/W33		
		220	89	30.5	9	5	M 190x3	M 6	-	6.2	<b>OH 3938 B</b>	KML 38	MBL 38	HMV 38	23938 CCK/W33		
	220	112	220	112	30.5	-	-	M 190x3	-	-	7.25	<b>H 3038</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33	
			220	112	30.5	9	4.2	M 190x3	M 6	-	7.25	<b>OH 3038 H</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33	
			220	112	30.5	9	4.2	M 190x3	M 6	-	7.25	<b>OH 3038 HB</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33	
			220	112	30.5	9	5	M 190x3	M 6	-	7.25	<b>OH 3038</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33	
			220	112	30.5	9	5	M 190x3	M 6	-	7.25	<b>OH 3038 B</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33	

Consult SKF USA Inc. prior to design change or order placement.

Adapter sleeves  
d<sub>1</sub> 170 — 180 mm



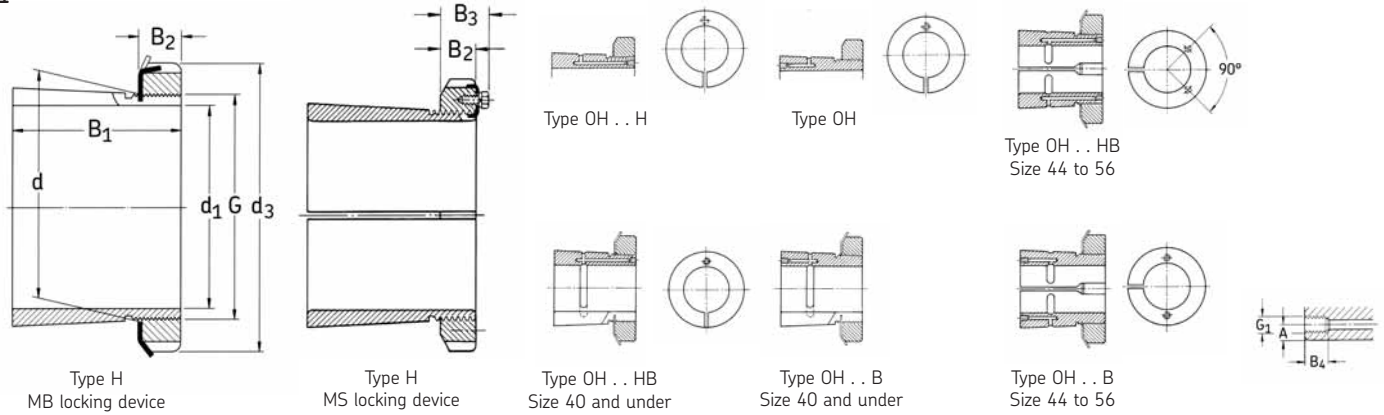
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>			Adapter sleeve with lock nut and locking device				
mm										in	kg	—			
170	190	240	141	31	-	-	M 190x3	-	-	10.5	<b>H 3138</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
			141	31	9	4.2	M 190x3	M 6	-	10.5	<b>OH 3138 H</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
			141	31	9	4.2	M 190x3	M 6	-	10.5	<b>OH 3138 HB</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
			141	31	13	7	M 190x3	-	G 1/8	10.5	<b>OH 3138</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
			141	31	13	7	M 190x3	-	G 1/8	10.5	<b>OH 3138 B</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
			169	31	-	-	M 190x3	-	-	12	<b>H 2338</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
			169	31	9	4.2	M 190x3	M 6	-	12	<b>OH 2338 H</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
			169	31	9	4.2	M 190x3	M 6	-	12	<b>OH 2338 HB</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
			169	31	13	7	M 190x3	-	G 1/8	12	<b>OH 2338</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
			169	31	13	7	M 190x3	-	G 1/8	12	<b>OH 2338 B</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
180	200	240	98	31.5	-	-	M 200x3	-	-	7.9	<b>H 3940</b>	KML 40	MBL 40	HMV 40	23940 CCK/W33
			98	31.5	9	4.2	M 200x3	M 6	-	7.9	<b>OH 3940 H</b>	KML 40	MBL 40	HMV 40	23940 CCK/W33
			98	31.5	9	4.2	M 200x3	M 6	-	7.9	<b>OH 3940 HB</b>	KML 40	MBL 40	HMV 40	23940 CCK/W33
			98	31.5	9	5	M 200x3	M 6	-	7.9	<b>OH 3940</b>	KML 40	MBL 40	HMV 40	23940 CCK/W33
			98	31.5	9	5	M 200x3	M 6	-	7.9	<b>OH 3940 B</b>	KML 40	MBL 40	HMV 40	23940 CCK/W33
			120	31.5	-	-	M 200x3	-	-	8.9	<b>H 3040</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
			120	31.5	9	4.2	M 200x3	M 6	-	8.9	<b>OH 3040 H</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
			120	31.5	9	4.2	M 200x3	M 6	-	8.9	<b>OH 3040 HB</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
			120	31.5	13	7	M 200x3	-	G 1/8	8.9	<b>OH 3040</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
			120	31.5	13	7	M 200x3	-	G 1/8	8.9	<b>OH 3040 B</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
			150	32	-	-	M 200x3	-	-	12	<b>H 3140</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33
			150	32	9	4.2	M 200x3	M 6	-	12	<b>OH 3140 H</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33
			150	32	9	4.2	M 200x3	M 6	-	12	<b>OH 3140 HB</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33
			150	32	13	7.5	M 200x3	-	G 1/8	12	<b>OH 3140</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33
			150	32	13	7.5	M 200x3	-	G 1/8	12	<b>OH 3140 B</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

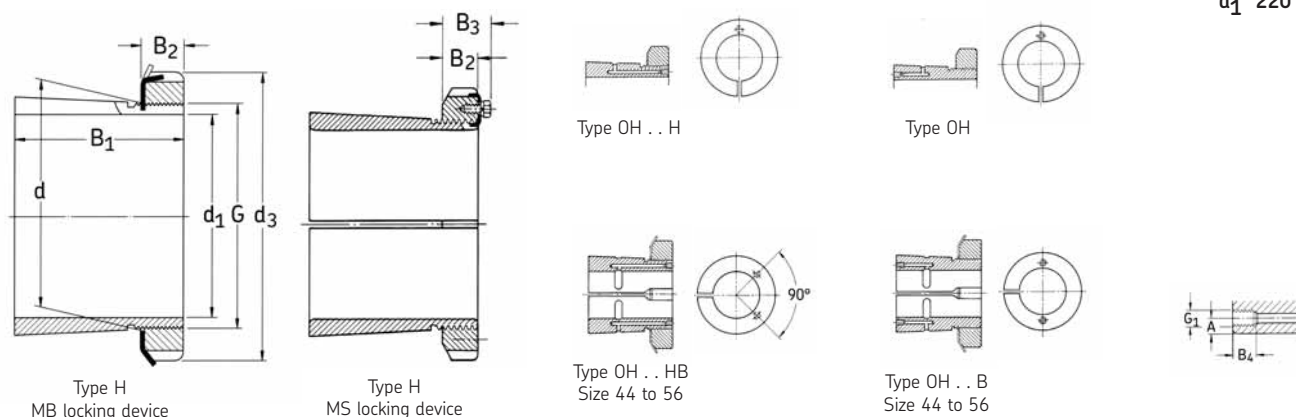
## Adapter sleeves

d<sub>1</sub> 180 — 200 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device					
mm										in	kg	—				
180 (Cont.)	200	250	176	32	-	-	-	M 200x3	-	-	13.5	<b>H 2340</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33
		250	176	32	-	9	4.2	M 200x3	M 6	-	13.5	<b>OH 2340 H</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33
		250	176	32	-	9	4.2	M 200x3	M 6	-	13.5	<b>OH 2340 HB</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33
		250	176	32	-	13	8	M 200x3	-	G 1/8	13.5	<b>OH 2340</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33
		250	176	32	-	13	8	M 200x3	-	G 1/8	13.5	<b>OH 2340 B</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33
200 (Cont.)	220	260	96	30	41	9	4.2	Tr 220x4	M 6	-	7.95	<b>OH 3944 H</b>	HM 3044	MS 3044	HMV 44	23944 CCK/W33
		260	96	30	41	9	4.2	Tr 220x4	M 6	-	7.95	<b>OH 3944 HB</b>	HM 3044	MS 3044	HMV 44	23944 CCK/W33
		260	96	30	41	9	5	Tr 220x4	M 6	-	7.95	<b>OH 3944</b>	HM 3044	MS 3044	HMV 44	23944 CCK/W33
		260	96	30	41	9	5	Tr 220x4	M 6	-	7.95	<b>OH 3944 B</b>	HM 3044	MS 3044	HMV 44	23944 CCK/W33
		260	96	30	41	-	-	Tr 220x4	-	-	7.95	<b>H 3944</b>	HM 3044	MS 3044	HMV 44	23944 CCK/W33
		260	126	30	41	9	4.2	Tr 220x4	M 6	-	9.90	<b>OH 3044 H</b>	HM 3044	MS 3044	HMV 44	23044 CCK/W33
		260	126	30	41	9	4.2	Tr 220x4	M 6	-	9.90	<b>OH 3044 HB</b>	HM 3044	MS 3044	HMV 44	23044 CCK/W33
		260	126	30	41	13	7	Tr 220x4	-	G 1/8	9.90	<b>OH 3044</b>	HM 3044	MS 3044	HMV 44	23044 CCK/W33
		260	126	30	41	13	7	Tr 220x4	-	G 1/8	9.90	<b>OH 3044 B</b>	HM 3044	MS 3044	HMV 44	23044 CCK/W33
		260	126	30	41	-	-	Tr 220x4	-	-	9.90	<b>H 3044</b>	HM 3044	MS 3044	HMV 44	23044 CCK/W33
		280	161	35	-	9	4.2	Tr 220x4	M 6	-	15.0	<b>OH 3144 H</b>	HM 44 T	MB 44	HMV 44	23144 CCK/W33, 22244 CCK/W33
		280	161	35	-	9	4.2	Tr 220x4	M 6	-	15.0	<b>OH 3144 HB</b>	HM 44 T	MB 44	HMV 44	23144 CCK/W33, 22244 CCK/W33
		280	161	35	-	13	8	Tr 220x4	-	G 1/8	15.0	<b>OH 3144</b>	HM 44 T	MB 44	HMV 44	23144 CCK/W33, 22244 CCK/W33
		280	161	35	-	13	8	Tr 220x4	-	G 1/8	15.0	<b>OH 3144 B</b>	HM 44 T	MB 44	HMV 44	23144 CCK/W33, 22244 CCK/W33
		280	161	35	-	-	-	Tr 220x4	-	-	15.0	<b>H 3144</b>	HM 44 T	MB 44	HMV 44	23144 CCK/W33, 22244 CCK/W33
		280	186	35	-	9	4.2	Tr 220x4	M 6	-	17.0	<b>OH 2344 H</b>	HM 44 T	MB 44	HMV 44	23244 CCK/W33, 22344 CCK/W33
		280	186	35	-	9	4.2	Tr 220x4	M 6	-	17.0	<b>OH 2344 HB</b>	HM 44 T	MB 44	HMV 44	23244 CCK/W33, 22344 CCK/W33
		280	186	35	-	13	8.5	Tr 220x4	-	G 1/8	17.0	<b>OH 2344</b>	HM 44 T	MB 44	HMV 44	23244 CCK/W33, 22344 CCK/W33
		280	186	35	-	13	8.5	Tr 220x4	-	G 1/8	17.0	<b>OH 2344 B</b>	HM 44 T	MB 44	HMV 44	23244 CCK/W33, 22344 CCK/W33
		280	186	35	-	-	-	Tr 220x4	-	-	17.0	<b>H 2344</b>	HM 44 T	MB 44	HMV 44	23244 CCK/W33, 22344 CCK/W33

Adapter sleeves  
d<sub>1</sub> 220 — 240 mm



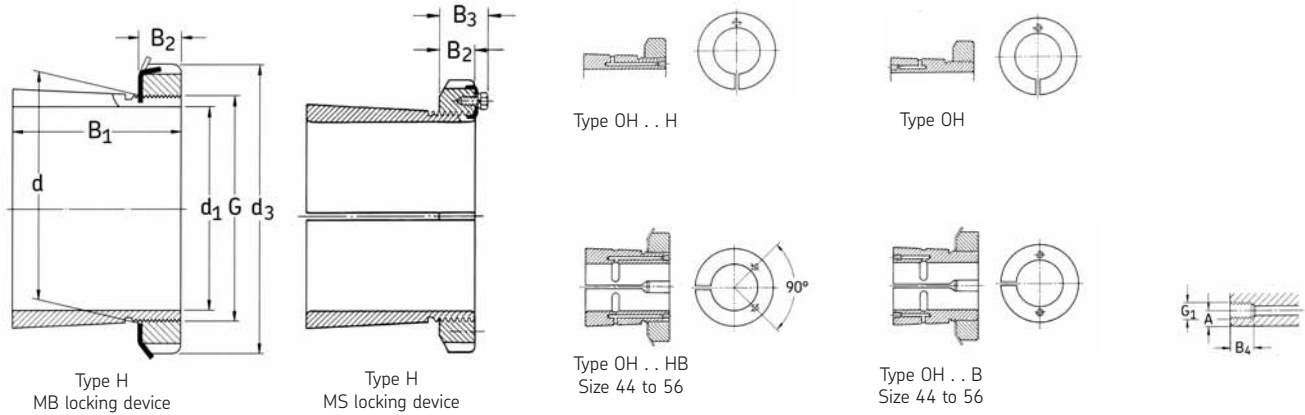
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device					
mm										in	kg	—				
220	240	290	101	34	46	9	4.2	Tr 240x4	M 6	-	11	<b>OH 3948 H</b>	HM 3048	MS 3052-48	HMV 48	23948 CCK/W33
		290	101	34	46	9	4.2	Tr 240x4	M 6	-	11	<b>OH 3948 HB</b>	HM 3048	MS 3052-48	HMV 48	23948 CCK/W33
		290	101	34	46	13	6.5	Tr 240x4	-	G 1/8	11	<b>OH 3948</b>	HM 3048	MS 3052-48	HMV 48	23948 CCK/W33
		290	101	34	46	13	6.5	Tr 240x4	-	G 1/8	11	<b>OH 3948 B</b>	HM 3048	MS 3052-48	HMV 48	23948 CCK/W33
		290	101	34	46	-	-	Tr 240x4	-	-	11	<b>H 3948</b>	HM 3048	MS 3052-48	HMV 48	23948 CCK/W33
		290	133	34	46	9	4.2	Tr 240x4	M 6	-	12	<b>OH 3048 H</b>	HM 3048	MS 3052-48	HMV 48	23048 CCK/W33
		290	133	34	46	9	4.2	Tr 240x4	M 6	-	12	<b>OH 3048 HB</b>	HM 3048	MS 3052-48	HMV 48	23048 CCK/W33
		290	133	34	46	13	7	Tr 240x4	-	G 1/8	12	<b>OH 3048</b>	HM 3048	MS 3052-48	HMV 48	23048 CCK/W33
		290	133	34	46	13	7	Tr 240x4	-	G 1/8	12	<b>OH 3048 B</b>	HM 3048	MS 3052-48	HMV 48	23048 CCK/W33
		290	133	34	46	-	-	Tr 240x4	-	-	12	<b>H 3048</b>	HM 3048	MS 3052-48	HMV 48	23048 CCK/W33
		300	172	37	-	9	4.2	Tr 240x4	M 6	-	16	<b>OH 3148 H</b>	HM 48 T	MB 48	HMV 48	23148 CCK/W33, 22248 CCK/W33
		300	172	37	-	9	4.2	Tr 240x4	M 6	-	16	<b>OH 3148 HB</b>	HM 48 T	MB 48	HMV 48	23148 CCK/W33, 22248 CCK/W33
		300	172	37	-	13	8	Tr 240x4	-	G 1/8	16	<b>OH 3148</b>	HM 48 T	MB 48	HMV 48	23148 CCK/W33, 22248 CCK/W33
		300	172	37	-	13	8	Tr 240x4	-	G 1/8	16	<b>OH 3148 B</b>	HM 48 T	MB 48	HMV 48	23148 CCK/W33, 22248 CCK/W33
		300	172	37	-	-	-	Tr 240x4	-	-	16	<b>H 3148</b>	HM 48 T	MB 48	HMV 48	23148 CCK/W33, 22248 CCK/W33
		300	199	37	-	9	4.2	Tr 240x4	M 6	-	19	<b>OH 2348 H</b>	HM 48 T	MB 48	HMV 48	23248 CCK/W33, 22348 CCK/W33
		300	199	37	-	9	4.2	Tr 240x4	M 6	-	19	<b>OH 2348 HB</b>	HM 48 T	MB 48	HMV 48	23248 CCK/W33, 22348 CCK/W33
		300	199	37	-	13	9.5	Tr 240x4	-	G 1/8	19	<b>OH 2348</b>	HM 48 T	MB 48	HMV 48	23248 CCK/W33, 22348 CCK/W33
		300	199	37	-	13	9.5	Tr 240x4	-	G 1/8	19	<b>OH 2348 B</b>	HM 48 T	MB 48	HMV 48	23248 CCK/W33, 22348 CCK/W33
		300	199	37	-	-	-	Tr 240x4	-	-	19	<b>H 2348</b>	HM 48 T	MB 48	HMV 48	23248 CCK/W33, 22348 CCK/W33
240	260	310	116	34	46	9	4.2	Tr 260x4	M 6	-	11.7	<b>OH 3952 H</b>	HM 3052	MS 3052-48	HMV 52	23952 CCK/W33
		310	116	34	46	9	4.2	Tr 260x4	M 6	-	11.7	<b>OH 3952 HB</b>	HM 3052	MS 3052-48	HMV 52	23952 CCK/W33
		310	116	34	46	13	7	Tr 260x4	-	G 1/8	11.7	<b>OH 3952</b>	HM 3052	MS 3052-48	HMV 52	23952 CCK/W33
		310	116	34	46	13	7	Tr 260x4	-	G 1/8	11.7	<b>OH 3952 B</b>	HM 3052	MS 3052-48	HMV 52	23952 CCK/W33
		310	116	34	46	-	-	Tr 260x4	-	-	11.7	<b>H 3952</b>	HM 3052	MS 3052-48	HMV 52	23952 CCK/W33
		310	145	34	46	9	4.2	Tr 260x4	M 6	-	13.5	<b>OH 3052 H</b>	HM 3052	MS 3052-48	HMV 52	23052 CCK/W33
		310	145	34	46	9	4.2	Tr 260x4	M 6	-	13.5	<b>OH 3052 HB</b>	HM 3052	MS 3052-48	HMV 52	23052 CCK/W33
		310	145	34	46	13	7.5	Tr 260x4	-	G 1/8	13.5	<b>OH 3052</b>	HM 3052	MS 3052-48	HMV 52	23052 CCK/W33
		310	145	34	46	13	7.5	Tr 260x4	-	G 1/8	13.5	<b>OH 3052 B</b>	HM 3052	MS 3052-48	HMV 52	23052 CCK/W33
		310	145	34	46	-	-	Tr 260x4	-	-	13.5	<b>H 3052</b>	HM 3052	MS 3052-48	HMV 52	23052 CCK/W33

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

## Adapter sleeves

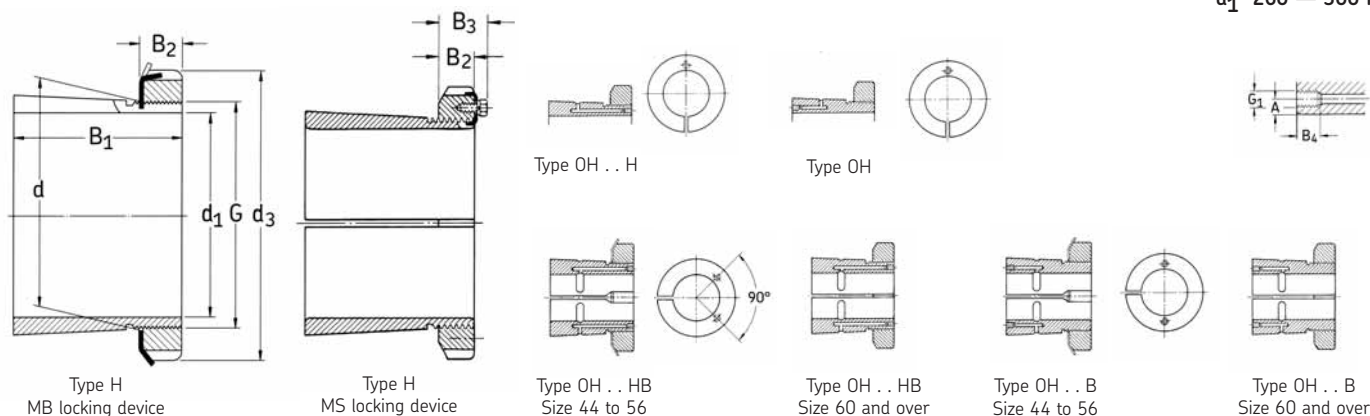
d<sub>1</sub> 240 — 260 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device					
mm										in	kg	—				
240 (Cont.)	260	330	190	39	-	9	4.2	Tr 260x4	M 6	-	21	<b>OH 3152 H</b>	HM 52 T	MB 52	HMV 52	23152 CCK/W33, 22252 CACK/W33
		330	190	39	-	9	4.2	Tr 260x4	M 6	-	21	<b>OH 3152 HB</b>	HM 52 T	MB 52	HMV 52	23152 CCK/W33, 22252 CACK/W33
		330	190	39	-	13	8	Tr 260x4	-	G 1/8	21	<b>OH 3152</b>	HM 52 T	MB 52	HMV 52	23152 CCK/W33, 22252 CACK/W33
		330	190	39	-	13	8	Tr 260x4	-	G 1/8	21	<b>OH 3152 B</b>	HM 52 T	MB 52	HMV 52	23152 CCK/W33, 22252 CACK/W33
		330	190	39	-	-	-	Tr 260x4	-	-	21	<b>H 3152</b>	HM 52 T	MB 52	HMV 52	23152 CCK/W33, 22252 CACK/W33
		330	211	39	-	9	4.2	Tr 260x4	M 6	-	23	<b>OH 2352 H</b>	HM 52 T	MB 52	HMV 52	23252 CACK/W33, 22352 CCK/W33
		330	211	39	-	9	4.2	Tr 260x4	M 6	-	23	<b>OH 2352 HB</b>	HM 52 T	MB 52	HMV 52	23252 CACK/W33, 22352 CCK/W33
		330	211	39	-	13	9	Tr 260x4	-	G 1/8	23	<b>OH 2352</b>	HM 52 T	MB 52	HMV 52	23252 CACK/W33, 22352 CCK/W33
		330	211	39	-	13	9	Tr 260x4	-	G 1/8	23	<b>OH 2352 B</b>	HM 52 T	MB 52	HMV 52	23252 CACK/W33, 22352 CCK/W33
		330	211	39	-	-	-	Tr 260x4	-	-	23	<b>H 2352</b>	HM 52 T	MB 52	HMV 52	23252 CACK/W33, 22352 CCK/W33
260	280	330	121	38	50	9	4.2	Tr 280x4	M 6	-	15.3	<b>OH 3956 H</b>	HM 3056	MS 3056	HMV 56	23956 CCK/W33
		330	121	38	50	9	4.2	Tr 280x4	M 6	-	15.3	<b>OH 3956 HB</b>	HM 3056	MS 3056	HMV 56	23956 CCK/W33
		330	121	38	50	13	7	Tr 280x4	-	G 1/8	15.3	<b>OH 3956</b>	HM 3056	MS 3056	HMV 56	23956 CCK/W33
		330	121	38	50	13	7	Tr 280x4	-	G 1/8	15.3	<b>OH 3956 B</b>	HM 3056	MS 3056	HMV 56	23956 CCK/W33
		330	121	38	50	-	-	Tr 280x4	-	-	15.3	<b>H 3956</b>	HM 3056	MS 3056	HMV 56	23956 CCK/W33
		330	152	38	50	9	4.2	Tr 280x4	M 6	-	16	<b>OH 3056 H</b>	HM 3056	MS 3056	HMV 56	23056 CCK/W33
		330	152	38	50	9	4.2	Tr 280x4	M 6	-	16	<b>OH 3056 HB</b>	HM 3056	MS 3056	HMV 56	23056 CCK/W33
		330	152	38	50	13	7.5	Tr 280x4	-	G 1/8	16	<b>OH 3056</b>	HM 3056	MS 3056	HMV 56	23056 CCK/W33
		330	152	38	50	13	7.5	Tr 280x4	-	G 1/8	16	<b>OH 3056 B</b>	HM 3056	MS 3056	HMV 56	23056 CCK/W33
		330	152	38	50	-	-	Tr 280x4	-	-	16	<b>H 3056</b>	HM 3056	MS 3056	HMV 56	23056 CCK/W33
		350	195	41	-	9	4.2	Tr 280x4	M 6	-	23	<b>OH 3156 H</b>	HM 56 T	MB 56	HMV 56	23156 CCK/W33, 22256 CACK/W33
		350	195	41	-	9	4.2	Tr 280x4	M 6	-	23	<b>OH 3156 HB</b>	HM 56 T	MB 56	HMV 56	23156 CCK/W33, 22256 CACK/W33
		350	195	41	-	13	8	Tr 280x4	-	G 1/8	23	<b>OH 3156</b>	HM 56 T	MB 56	HMV 56	23156 CCK/W33, 22256 CACK/W33
		350	195	41	-	13	8	Tr 280x4	-	G 1/8	23	<b>OH 3156 B</b>	HM 56 T	MB 56	HMV 56	23156 CCK/W33, 22256 CACK/W33
		350	195	41	-	-	-	Tr 280x4	-	-	23	<b>H 3156</b>	HM 56 T	MB 56	HMV 56	23156 CCK/W33, 22256 CACK/W33



Adapter sleeves  
d<sub>1</sub> 260 — 300 mm



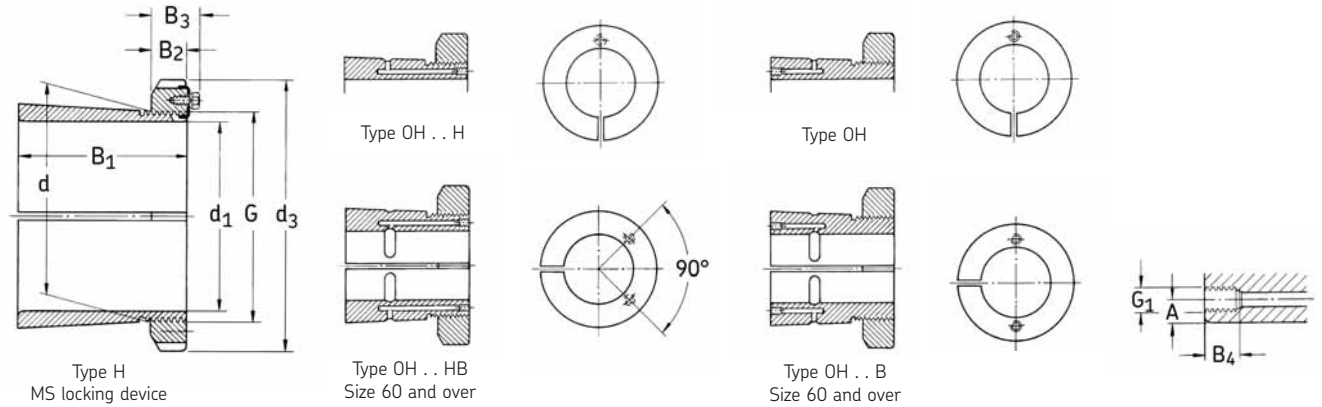
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
260 (cont.)	280	350	224	41	-	9	4.2	Tr 280x4	M 6	-	27	<b>OH 2356 H</b>	HM 56 T	MB 56	HMV 56	23256 CACK/W33, 22356 CCK/W33	
			350	224	41	-	9	4.2	Tr 280x4	M 6	-	27	<b>OH 2356 HB</b>	HM 56 T	MB 56	HMV 56	23256 CACK/W33, 22356 CCK/W33
			350	224	41	-	13	9.5	Tr 280x4	-	G 1/8	27	<b>OH 2356</b>	HM 56 T	MB 56	HMV 56	23256 CACK/W33, 22356 CCK/W33
			350	224	41	-	13	9.5	Tr 280x4	-	G 1/8	27	<b>OH 2356 B</b>	HM 56 T	MB 56	HMV 56	23256 CACK/W33, 22356 CCK/W33
			350	224	41	-	-	-	Tr 280x4	-	-	27	<b>H 2356</b>	HM 56 T	MB 56	HMV 56	23256 CACK/W33, 22356 CCK/W33
280	300	360	140	42	54	9	4.2	Tr 300x4	M 6	-	20	<b>OH 3960 H</b>	HM 3060	MS 3060	HMV 60	23960 CCK/W33	
			360	140	42	54	9	4.2	Tr 300x4	M 6	-	20	<b>OH 3960 HB</b>	HM 3060	MS 3060	HMV 60	23960 CCK/W33
			360	140	42	54	13	7	Tr 300x4	-	G 1/8	20	<b>OH 3960</b>	HM 3060	MS 3060	HMV 60	23960 CCK/W33
			360	140	42	54	13	7	Tr 300x4	-	G 1/8	20	<b>OH 3960 B</b>	HM 3060	MS 3060	HMV 60	23960 CCK/W33
			360	140	42	54	-	-	Tr 300x4	-	-	20	<b>H 3960</b>	HM 3060	MS 3060	HMV 60	23960 CCK/W33
	380	208	40	53	9	4.2	Tr 300x4	M 6	-	29	<b>OH 3160 H</b>	HM 3160	MS 3160	HMV 60	23160 CCK/W33, 22260 CACK/W33		
				53	9	4.2	Tr 300x4	M 6	-	29	<b>OH 3160 HB</b>	HM 3160	MS 3160	HMV 60	23160 CCK/W33, 22260 CACK/W33		
				53	13	9	Tr 300x4	-	G 1/8	29	<b>OH 3160</b>	HM 3160	MS 3160	HMV 60	23160 CCK/W33, 22260 CACK/W33		
				53	13	9	Tr 300x4	-	G 1/8	29	<b>OH 3160 B</b>	HM 3160	MS 3160	HMV 60	23160 CCK/W33, 22260 CACK/W33		
				53	-	-	Tr 300x4	-	-	29	<b>H 3160</b>	HM 3160	MS 3160	HMV 60	23160 CCK/W33, 22260 CACK/W33		
		240	40	53	9	4.2	Tr 300x4	M 6	-	32	<b>OH 3260 H</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33		
					9	4.2	Tr 300x4	M 6	-	32	<b>OH 3260 HB</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33		
					15	9	Tr 300x4	-	G 1/4	32	<b>OH 3260</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33		
					15	9	Tr 300x4	-	G 1/4	32	<b>OH 3260 B</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33		
					53	-	-	Tr 300x4	-	-	32	<b>H 3260</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33	
			380	240	40	53	9	4.2	Tr 300x4	M 6	-	32	<b>OH 3260 H</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33
						53	9	4.2	Tr 300x4	M 6	-	32	<b>OH 3260 HB</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33
						15	9	Tr 300x4	-	G 1/4	32	<b>OH 3260</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33	
						15	9	Tr 300x4	-	G 1/4	32	<b>OH 3260 B</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33	
						53	-	-	Tr 300x4	-	-	32	<b>H 3260</b>	HM 3160	MS 3160	HMV 60	23260 CACK/W33
300	320	380	140	42	55	9	4	Tr 320x5	M 6	-	21.5	<b>OH 3964 H</b>	HM 3064	MS 3068-64	HMV 64	23964 CACK/W33	
			140	42	55	9	4	Tr 320x5	M 6	-	21.5	<b>OH 3964 HB</b>	HM 3064	MS 3068-64	HMV 64	23964 CACK/W33	
			140	42	55	13	7	Tr 320x5	-	G 1/8	21.5	<b>OH 3964</b>	HM 3064	MS 3068-64	HMV 64	23964 CACK/W33	
			140	42	55	13	7	Tr 320x5	-	G 1/8	21.5	<b>OH 3964 B</b>	HM 3064	MS 3068-64	HMV 64	23964 CACK/W33	
			140	42	55	-	-	Tr 320x5	-	-	21.5	<b>H 3964</b>	HM 3064	MS 3068-64	HMV 64	23964 CACK/W33	

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

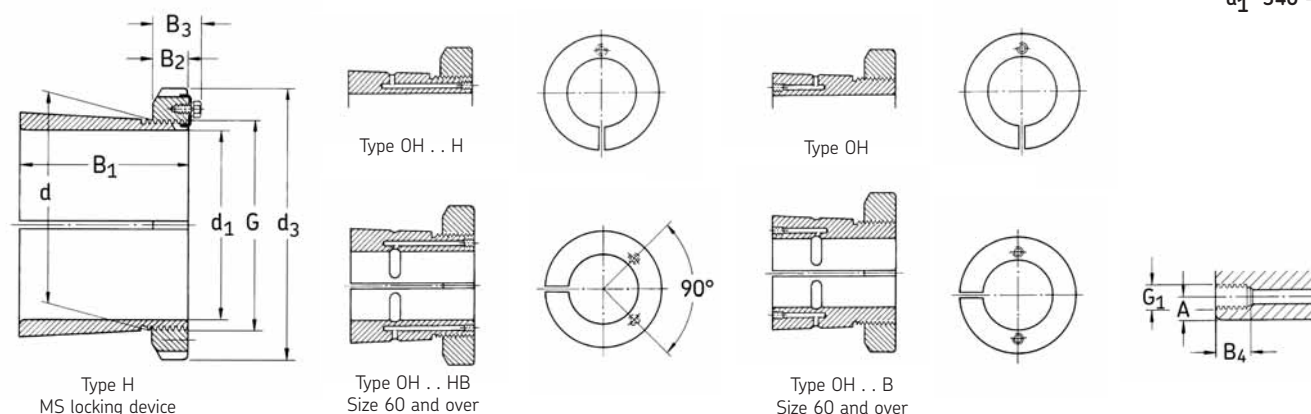
## Adapter sleeves

d<sub>1</sub> 300 — 320 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device					
mm										in	kg	—				
300 (cont.)	320	380	171	42	55	9	4	Tr 320x5	M 6	-	22	<b>OH 3064 H</b>	HM 3064	MS 3068-64	HMV 64	23064 CCK/W33
		380	171	42	55	9	4	Tr 320x5	M 6	-	22	<b>OH 3064 HB</b>	HM 3064	MS 3068-64	HMV 64	23064 CCK/W33
		380	171	42	55	13	7.5	Tr 320x5	-	G 1/8	22	<b>OH 3064</b>	HM 3064	MS 3068-64	HMV 64	23064 CCK/W33
		380	171	42	55	13	7.5	Tr 320x5	-	G 1/8	22	<b>OH 3064 B</b>	HM 3064	MS 3068-64	HMV 64	23064 CCK/W33
		380	171	42	55	-	-	Tr 320x5	-	-	22	<b>H 3064</b>	HM 3064	MS 3068-64	HMV 64	23064 CCK/W33
		400	226	42	56	9	4	Tr 320x5	M 6	-	32	<b>OH 3164 H</b>	HM 3164	MS 3164	HMV 64	23164 CCK/W33, 22264 CACK/W33
		400	226	42	56	9	4	Tr 320x5	M 6	-	32	<b>OH 3164 HB</b>	HM 3164	MS 3164	HMV 64	23164 CCK/W33, 22264 CACK/W33
		400	226	42	56	13	9.5	Tr 320x5	-	G 1/8	32	<b>OH 3164</b>	HM 3164	MS 3164	HMV 64	23164 CCK/W33, 22264 CACK/W33
		400	226	42	56	13	9.5	Tr 320x5	-	G 1/8	32	<b>OH 3164 B</b>	HM 3164	MS 3164	HMV 64	23164 CCK/W33, 22264 CACK/W33
		400	226	42	56	-	-	Tr 320x5	-	-	32	<b>H 3164</b>	HM 3164	MS 3164	HMV 64	23164 CCK/W33, 22264 CACK/W33
		400	258	42	56	9	4	Tr 320x5	M 6	-	35	<b>OH 3264 H</b>	HM 3164	MS 3164	HMV 64	23264 CACK/W33
		400	258	42	56	9	4	Tr 320x5	M 6	-	35	<b>OH 3264 HB</b>	HM 3164	MS 3164	HMV 64	23264 CACK/W33
		400	258	42	56	15	9	Tr 320x5	-	G 1/4	35	<b>OH 3264</b>	HM 3164	MS 3164	HMV 64	23264 CACK/W33
		400	258	42	56	15	9	Tr 320x5	-	G 1/4	35	<b>OH 3264 B</b>	HM 3164	MS 3164	HMV 64	23264 CACK/W33
		400	258	42	56	-	-	Tr 320x5	-	-	35	<b>H 3264</b>	HM 3164	MS 3164	HMV 64	23264 CACK/W33
320	340	400	144	45	58	9	4	Tr 340x5	M 6	-	24.5	<b>OH 3968 H</b>	HM 3068	MS 3068-64	HMV 68	23968 CCK/W33
		400	144	45	58	9	4	Tr 340x5	M 6	-	24.5	<b>OH 3968 HB</b>	HM 3068	MS 3068-64	HMV 68	23968 CCK/W33
		400	144	45	58	13	7	Tr 340x5	-	G 1/8	24.5	<b>OH 3968</b>	HM 3068	MS 3068-64	HMV 68	23968 CCK/W33
		400	144	45	58	13	7	Tr 340x5	-	G 1/8	24.5	<b>OH 3968 B</b>	HM 3068	MS 3068-64	HMV 68	23968 CCK/W33
		400	144	45	58	-	-	Tr 340x5	-	-	24.5	<b>H 3968</b>	HM 3068	MS 3068-64	HMV 68	23968 CCK/W33
		400	187	45	58	9	4	Tr 340x5	M 6	-	27	<b>OH 3068 H</b>	HM 3068	MS 3068-64	HMV 68	23068 CCK/W33
		400	187	45	58	9	4	Tr 340x5	M 6	-	27	<b>OH 3068 HB</b>	HM 3068	MS 3068-64	HMV 68	23068 CCK/W33
		400	187	45	58	13	8	Tr 340x5	-	G 1/8	27	<b>OH 3068</b>	HM 3068	MS 3068-64	HMV 68	23068 CCK/W33
		400	187	45	58	13	8	Tr 340x5	-	G 1/8	27	<b>OH 3068 B</b>	HM 3068	MS 3068-64	HMV 68	23068 CCK/W33
		400	187	45	58	-	-	Tr 340x5	-	-	27	<b>H 3068</b>	HM 3068	MS 3068-64	HMV 68	23068 CCK/W33
		440	254	55	72	9	4	Tr 340x5	M 6	-	50	<b>OH 3168 H</b>	HM 3168	MS 3172-68	HMV 68	23168 CCK/W33
		440	254	55	72	9	4	Tr 340x5	M 6	-	50	<b>OH 3168 HB</b>	HM 3168	MS 3172-68	HMV 68	23168 CCK/W33
		440	254	55	72	15	9.5	Tr 340x5	-	G 1/4	50	<b>H 3168</b>	HM 3168	MS 3172-68	HMV 68	23168 CCK/W33
		440	254	55	72	15	9.5	Tr 340x5	-	G 1/4	50	<b>OH 3168 B</b>	HM 3168	MS 3172-68	HMV 68	23168 CCK/W33
		440	254	55	72	-	-	Tr 340x5	-	-	50	<b>H 3168</b>	HM 3168	MS 3172-68	HMV 68	23168 CCK/W33
		440	288	55	72	9	4	Tr 340x5	M 6	-	51.5	<b>OH 3268 H</b>	HM 3168	MS 3172-68	HMV 68	23268 CAK/W33
		440	288	55	72	9	4	Tr 340x5	M 6	-	51.5	<b>OH 3268 HB</b>	HM 3168	MS 3172-68	HMV 68	23268 CAK/W33
		440	288	55	72	15	10	Tr 340x5	-	G 1/4	51.5	<b>OH 3268</b>	HM 3168	MS 3172-68	HMV 68	23268 CAK/W33
		440	288	55	72	15	10	Tr 340x5	-	G 1/4	51.5	<b>OH 3268 B</b>	HM 3168	MS 3172-68	HMV 68	23268 CAK/W33
		440	288	55	72	-	-	Tr 340x5	-	-	51.5	<b>H 3268</b>	HM 3168	MS 3172-68	HMV 68	23268 CAK/W33

Adapter sleeves  
d<sub>1</sub> 340 — 360 mm



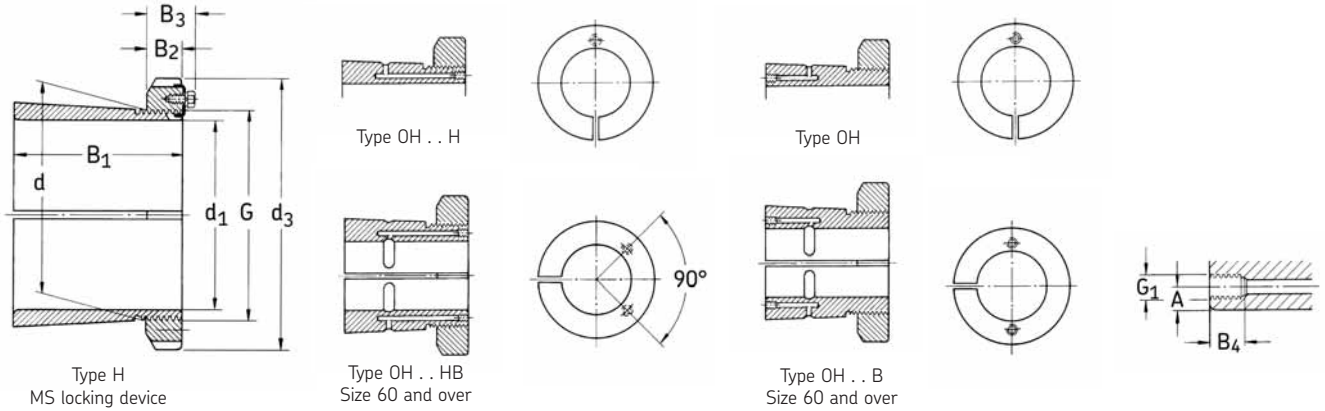
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
340	360	420	144	45	58	9	4	Tr 360x5	M 6	-	25.2	OH 3972 H	HM 3072	MS 3072	HMV 72	23972 CACK/W33	
		420	144	45	58	9	4	Tr 360x5	M 6	-	25.2	OH 3972 HB	HM 3072	MS 3072	HMV 72	23972 CACK/W33	
		420	144	45	58	13	7	Tr 360x5	-	G 1/8	25.2	OH 3972	HM 3072	MS 3072	HMV 72	23972 CACK/W33	
		420	144	45	58	13	7	Tr 360x5	-	G 1/8	25.2	OH 3972 B	HM 3072	MS 3072	HMV 72	23972 CACK/W33	
		420	144	45	58	-	-	Tr 360x5	-	-	25.2	H 3972	HM 3072	MS 3072	HMV 72	23972 CACK/W33	
	420	188	45	58	9	4	Tr 360x5	M 6	-	29	OH 3072 H	HM 3072	MS 3072	HMV 72	23072 CCK/W33		
	420	188	45	58	9	4	Tr 360x5	M 6	-	29	OH 3072 HB	HM 3072	MS 3072	HMV 72	23072 CCK/W33		
	420	188	45	58	13	8	Tr 360x5	-	G 1/8	29	OH 3072	HM 3072	MS 3072	HMV 72	23072 CCK/W33		
	420	188	45	58	13	8	Tr 360x5	-	G 1/8	29	OH 3072B	HM 3072	MS 3072	HMV 72	23072 CCK/W33		
	420	188	45	58	-	-	Tr 360x5	-	-	29	H 3072	HM 3072	MS 3072	HMV 72	23072 CCK/W33		
	460	259	58	75	9	4	Tr 360x5	M 6	-	56	OH 3172 H	HM 3172	MS 3172-68	HMV 72	23172 CACK/W33		
	460	259	58	75	9	4	Tr 360x5	M 6	-	56	OH 3172 HB	HM 3172	MS 3172-68	HMV 72	23172 CACK/W33		
	460	259	58	75	15	9.5	Tr 360x5	-	G 1/4	56	OH 3172	HM 3172	MS 3172-68	HMV 72	23172 CACK/W33		
	460	259	58	75	15	9.5	Tr 360x5	-	G 1/4	56	OH 3172 B	HM 3172	MS 3172-68	HMV 72	23172 CACK/W33		
	460	259	58	75	-	-	Tr 360x5	-	-	56	H 3172	HM 3172	MS 3172-68	HMV 72	23172 CACK/W33		
	460	299	58	75	9	4	Tr 360x5	M 6	-	60.5	OH 3272 H	HM 3172	MS 3172-68	HMV 72	23272 CAK/W33		
	460	299	58	75	9	4	Tr 360x5	M 6	-	60.5	OH 3272 HB	HM 3172	MS 3172-68	HMV 72	23272 CAK/W33		
	460	299	58	75	15	10	Tr 360x5	-	G 1/4	60.5	OH 3272	HM 3172	MS 3172-68	HMV 72	23272 CAK/W33		
	460	299	58	75	15	10	Tr 360x5	-	G 1/4	60.5	OH 3272 B	HM 3172	MS 3172-68	HMV 72	23272 CAK/W33		
	460	299	58	75	-	-	Tr 360x5	-	-	60.5	H 3272	HM 3172	MS 3172-68	HMV 72	23272 CAK/W33		
	360	380	450	164	48	62	9	4	Tr 380x5	M 6	-	31.5	OH 3976 H	HM 3076	MS 3080-76	HMV 76	23976 CCK/W33
			450	164	48	62	9	4	Tr 380x5	M 6	-	31.5	OH 3976 HB	HM 3076	MS 3080-76	HMV 76	23976 CCK/W33
			450	164	48	62	13	7.5	Tr 380x5	-	G 1/8	31.5	OH 3976	HM 3076	MS 3080-76	HMV 76	23976 CCK/W33
			450	164	48	62	13	7.5	Tr 380x5	-	G 1/8	31.5	OH 3976 B	HM 3076	MS 3080-76	HMV 76	23976 CCK/W33
450			164	48	62	-	-	Tr 380x5	-	-	31.5	H 3976	HM 3076	MS 3080-76	HMV 76	23976 CCK/W33	
450		193	48	62	9	4	Tr 380x5	M 6	-	35.5	OH 3076 H	HM 3076	MS 3080-76	HMV 76	23076 CCK/W33		
450		193	48	62	9	4	Tr 380x5	M 6	-	35.5	OH 3076 HB	HM 3076	MS 3080-76	HMV 76	23076 CCK/W33		
450		193	48	62	13	8	Tr 380x5	-	G 1/8	35.5	OH 3076	HM 3076	MS 3080-76	HMV 76	23076 CCK/W33		
450		193	48	62	13	8	Tr 380x5	-	G 1/8	35.5	OH 3076 B	HM 3076	MS 3080-76	HMV 76	23076 CCK/W33		
450		193	48	62	-	-	Tr 380x5	-	-	35.5	H 3076	HM 3076	MS 3080-76	HMV 76	23076 CCK/W33		
490		264	60	77	9	4	Tr 380x5	M 6	-	61.5	OH 3176 H	HM 3176	MS 3176	HMV 76	23176 CAK/W33		
490		264	60	77	9	4	Tr 380x5	M 6	-	61.5	OH 3176 HB	HM 3176	MS 3176	HMV 76	23176 CAK/W33		
490		264	60	77	15	9.5	Tr 380x5	-	G 1/4	61.5	OH 3176	HM 3176	MS 3176	HMV 76	23176 CAK/W33		
490		264	60	77	15	9.5	Tr 380x5	-	G 1/4	61.5	OH 3176 B	HM 3176	MS 3176	HMV 76	23176 CAK/W33		
490		264	60	77	-	-	Tr 380x5	-	-	61.5	H 3176	HM 3176	MS 3176	HMV 76	23176 CAK/W33		
490		310	60	77	9	4	Tr 380x5	M 6	-	69.5	OH 3276 H	HM 3176	MS 3176	HMV 76	23276 CAK/W33		
490		310	60	77	9	4	Tr 380x5	M 6	-	69.5	OH 3276 HB	HM 3176	MS 3176	HMV 76	23276 CAK/W33		
490		310	60	77	15	10.5	Tr 380x5	-	G 1/4	69.5	OH 3276	HM 3176	MS 3176	HMV 76	23276 CAK/W33		
490		310	60	77	15	10.5	Tr 380x5	-	G 1/4	69.5	OH 3276 B	HM 3176	MS 3176	HMV 76	23276 CAK/W33		
490		310	60	77	-	-	Tr 380x5	-	-	69.5	H 3276	HM 3176	MS 3176	HMV 76	23276 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

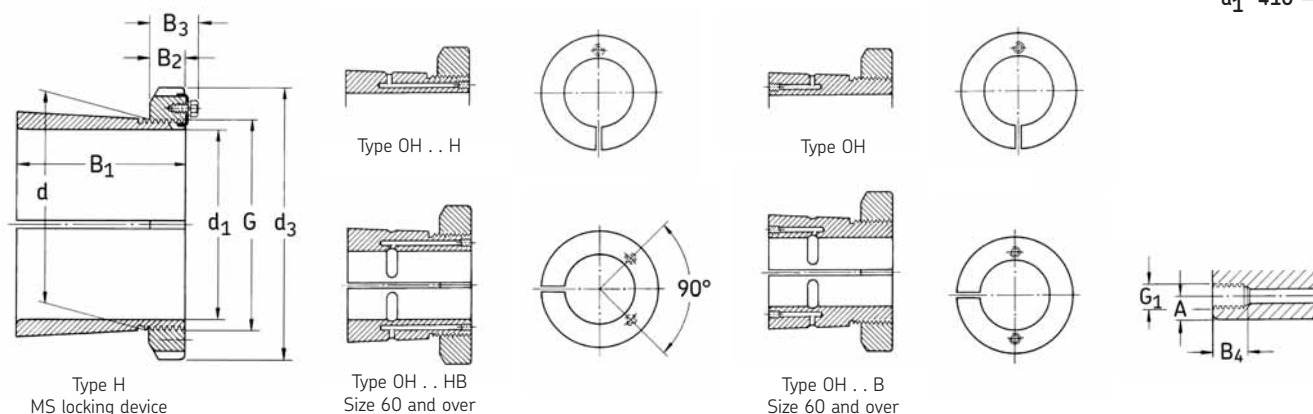
## Adapter sleeves

d<sub>1</sub> 380 — 400 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
380	400	470	168	52	66	9	4	Tr 400x5	M 6	-	35	<b>OH 3980 H</b>	HM 3080	MS 3080-76	HMV 80	23980 CACK/W33	
		470	168	52	66	9	4	Tr 400x5	M 6	-	35	<b>OH 3980 HB</b>	HM 3080	MS 3080-76	HMV 80	23980 CACK/W33	
		470	168	52	66	13	7.5	Tr 400x5	-	G 1/8	35	<b>OH 3980</b>	HM 3080	MS 3080-76	HMV 80	23980 CACK/W33	
		470	168	52	66	13	7.5	Tr 400x5	-	G 1/8	35	<b>OH 3980 B</b>	HM 3080	MS 3080-76	HMV 80	23980 CACK/W33	
		470	168	52	66	-	-	Tr 400x5	-	-	35	<b>H 3980</b>	HM 3080	MS 3080-76	HMV 80	23980 CACK/W33	
		470	210	52	66	9	4	Tr 400x5	M 6	-	40	<b>OH 3080 H</b>	HM 3080	MS 3080-76	HMV 80	23080 CACK/W33	
		470	210	52	66	9	4	Tr 400x5	M 6	-	40	<b>OH 3080 HB</b>	HM 3080	MS 3080-76	HMV 80	23080 CACK/W33	
		470	210	52	66	13	8.5	Tr 400x5	-	G 1/8	40	<b>OH 3080</b>	HM 3080	MS 3080-76	HMV 80	23080 CACK/W33	
		470	210	52	66	13	8.5	Tr 400x5	-	G 1/8	40	<b>OH 3080 B</b>	HM 3080	MS 3080-76	HMV 80	23080 CACK/W33	
		470	210	52	66	-	-	Tr 400x5	-	-	40	<b>H 3080</b>	HM 3080	MS 3080-76	HMV 80	23080 CACK/W33	
		520	272	62	82	9	4	Tr 400x5	M 6	-	73	<b>OH 3180 H</b>	HM 3180	MS 3184-80	HMV 80	23180 CAK/W33	
		520	272	62	82	9	4	Tr 400x5	M 6	-	73	<b>OH 3180 HB</b>	HM 3180	MS 3184-80	HMV 80	23180 CAK/W33	
	520	272	62	82	15	9.5	Tr 400x5	-	G 1/4	73	<b>OH 3180</b>	HM 3180	MS 3184-80	HMV 80	23180 CAK/W33		
	520	272	62	82	15	9.5	Tr 400x5	-	G 1/4	73	<b>OH 3180 B</b>	HM 3180	MS 3184-80	HMV 80	23180 CAK/W33		
	520	272	62	82	-	-	Tr 400x5	-	-	73	<b>H 3180</b>	HM 3180	MS 3184-80	HMV 80	23180 CAK/W33		
	520	328	62	82	9	4	Tr 400x5	M 6	-	87	<b>OH 3280 H</b>	HM 3180	MS 3184-80	HMV 80	23280 CAK/W33		
	520	328	62	82	9	4	Tr 400x5	M 6	-	87	<b>OH 3280 HB</b>	HM 3180	MS 3184-80	HMV 80	23280 CAK/W33		
	520	328	62	82	15	11	Tr 400x5	-	G 1/4	87	<b>OH 3280</b>	HM 3180	MS 3184-80	HMV 80	23280 CAK/W33		
	520	328	62	82	15	11	Tr 400x5	-	G 1/4	87	<b>OH 3280 B</b>	HM 3180	MS 3184-80	HMV 80	23280 CAK/W33		
	520	328	62	82	-	-	Tr 400x5	-	-	87	<b>H 3280</b>	HM 3180	MS 3184-80	HMV 80	23280 CAK/W33		
	400	420	490	168	52	66	9	4	Tr 420x5	M 6	-	36	<b>OH 3984 H</b>	HM 3084	MS 3084	HMV 84	23984 CACK/W33
			490	168	52	66	9	4	Tr 420x5	M 6	-	36	<b>OH 3984 HB</b>	HM 3084	MS 3084	HMV 84	23984 CACK/W33
			490	168	52	66	13	7.5	Tr 420x5	-	G 1/8	36	<b>OH 3984</b>	HM 3084	MS 3084	HMV 84	23984 CACK/W33
			490	168	52	66	13	7.5	Tr 420x5	-	G 1/8	36	<b>OH 3984B</b>	HM 3084	MS 3084	HMV 84	23984 CACK/W33
490			168	52	66	-	-	Tr 420x5	-	-	36	<b>H 3984</b>	HM 3084	MS 3084	HMV 84	23984 CACK/W33	
490			212	52	66	9	4	Tr 420x5	M 6	-	47	<b>OH 3084 H</b>	HM 3084	MS 3084	HMV 84	23084 CAK/W33	
490			212	52	66	9	4	Tr 420x5	M 6	-	47	<b>OH 3084 HB</b>	HM 3084	MS 3084	HMV 84	23084 CAK/W33	
490			212	52	66	13	8.5	Tr 420x5	-	G 1/8	47	<b>OH 3084</b>	HM 3084	MS 3084	HMV 84	23084 CAK/W33	
490			212	52	66	13	8.5	Tr 420x5	-	G 1/8	47	<b>OH 3084 B</b>	HM 3084	MS 3084	HMV 84	23084 CAK/W33	
490			212	52	66	-	-	Tr 420x5	-	-	47	<b>H 3084</b>	HM 3084	MS 3084	HMV 84	23084 CAK/W33	
540			304	70	90	9	4	Tr 420x5	M 6	-	80	<b>OH 3184 H</b>	HM 3184	MS 3184-80	HMV 84	23184 CK/W33	
540			304	70	90	9	4	Tr 420x5	M 6	-	80	<b>OH 3184 HB</b>	HM 3184	MS 3184-80	HMV 84	23184 CK/W33	
540		304	70	90	15	10.5	Tr 420x5	-	G 1/4	80	<b>OH 3184</b>	HM 3184	MS 3184-80	HMV 84	23184 CK/W33		
540		304	70	90	15	10.5	Tr 420x5	-	G 1/4	80	<b>OH 3184 B</b>	HM 3184	MS 3184-80	HMV 84	23184 CK/W33		
540		304	70	90	-	-	Tr 420x5	-	-	80	<b>H 3184</b>	HM 3184	MS 3184-80	HMV 84	23184 CK/W33		
540		352	70	90	9	4	Tr 420x5	M 6	-	96	<b>OH 3284 H</b>	HM 3184	MS 3184-80	HMV 84	23284 CAK/W33		
540		352	70	90	9	4	Tr 420x5	M 6	-	96	<b>OH 3284 HB</b>	HM 3184	MS 3184-80	HMV 84	23284 CAK/W33		
540		352	70	90	15	11	Tr 420x5	-	G 1/4	96	<b>OH 3284</b>	HM 3184	MS 3184-80	HMV 84	23284 CAK/W33		
540		352	70	90	15	11	Tr 420x5	-	G 1/4	96	<b>OH 3284 B</b>	HM 3184	MS 3184-80	HMV 84	23284 CAK/W33		
540		352	70	90	-	-	Tr 420x5	-	-	96	<b>H 3284</b>	HM 3184	MS 3184-80	HMV 84	23284 CAK/W33		

Adapter sleeves  
d<sub>1</sub> 410 — 430 mm



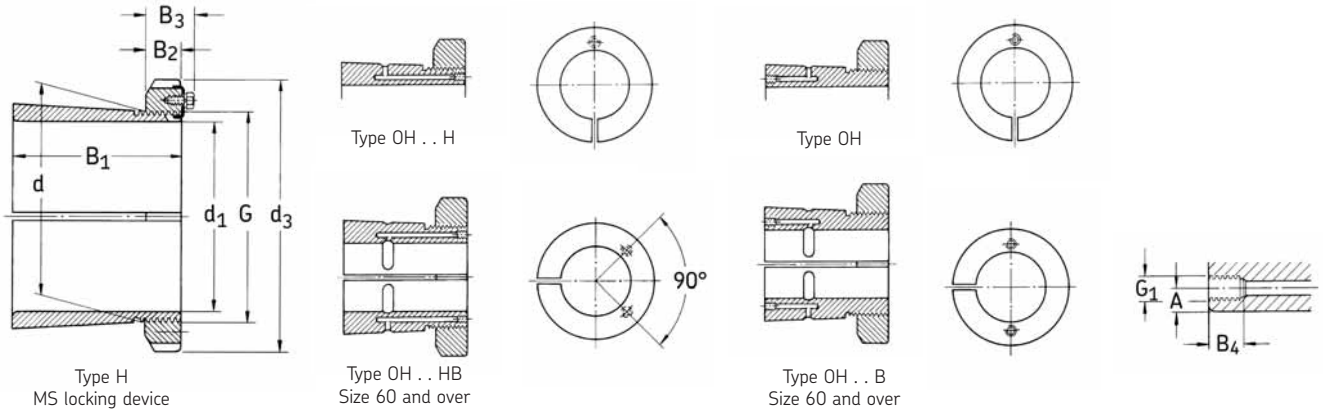
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
410	440	520	189	60	77	12	6.5	Tr 440x5	M 8	-	58	<b>OH 3988 H</b>	HM 3088	MS 3092-88	HMV 88	23988 CACK/W33	
		520	189	60	77	12	6.5	Tr 440x5	M 8	-	58	<b>OH 3988 HB</b>	HM 3088	MS 3092-88	HMV 88	23988 CACK/W33	
		520	189	60	77	15	10	Tr 440x5	-	G 1/4	58	<b>OH 3988</b>	HM 3088	MS 3092-88	HMV 88	23988 CACK/W33	
		520	189	60	77	15	10	Tr 440x5	-	G 1/4	58	<b>OH 3988 B</b>	HM 3088	MS 3092-88	HMV 88	23988 CACK/W33	
		520	189	60	77	-	-	Tr 440x5	-	-	58	<b>H 3988</b>	HM 3088	MS 3092-88	HMV 88	23988 CACK/W33	
		520	228	60	77	12	6.5	Tr 440x5	M 8	-	65	<b>OH 3088 H</b>	HM 3088	MS 3092-88	HMV 88	23088 CAK/W33	
	520	228	60	77	12	6.5	Tr 440x5	M 8	-	65	<b>OH 3088 HB</b>	HM 3088	MS 3092-88	HMV 88	23088 CAK/W33		
	520	228	60	77	15	11	Tr 440x5	-	G 1/4	65	<b>OH 3088</b>	HM 3088	MS 3092-88	HMV 88	23088 CAK/W33		
	520	228	60	77	15	11	Tr 440x5	-	G 1/4	65	<b>OH 3088 B</b>	HM 3088	MS 3092-88	HMV 88	23088 CAK/W33		
	520	228	60	77	-	-	Tr 440x5	-	-	65	<b>H 3088</b>	HM 3088	MS 3092-88	HMV 88	23088 CAK/W33		
	560	307	70	90	12	6.5	Tr 440x5	M 8	-	95	<b>OH 3188 H</b>	HM 3188	MS 3192-88	HMV 88	23188 CAK/W33		
	560	307	70	90	12	6.5	Tr 440x5	M 8	-	95	<b>OH 3188 HB</b>	HM 3188	MS 3192-88	HMV 88	23188 CAK/W33		
	560	307	70	90	15	14	Tr 440x5	-	G 1/4	95	<b>OH 3188</b>	HM 3188	MS 3192-88	HMV 88	23188 CAK/W33		
	560	307	70	90	15	14	Tr 440x5	-	G 1/4	95	<b>OH 3188 B</b>	HM 3188	MS 3192-88	HMV 88	23188 CAK/W33		
	560	307	70	90	-	-	Tr 440x5	-	-	95	<b>H 3188</b>	HM 3188	MS 3192-88	HMV 88	23188 CAK/W33		
	560	361	70	90	12	6.5	Tr 440x5	M 8	-	117	<b>OH 3288 H</b>	HM 3188	MS 3192-88	HMV 88	23288 CAK/W33		
	560	361	70	90	12	6.5	Tr 440x5	M 8	-	117	<b>OH 3288 HB</b>	HM 3188	MS 3192-88	HMV 88	23288 CAK/W33		
	560	361	70	90	15	16	Tr 440x5	-	G 1/4	117	<b>OH 3288</b>	HM 3188	MS 3192-88	HMV 88	23288 CAK/W33		
	560	361	70	90	15	16	Tr 440x5	-	G 1/4	117	<b>OH 3288 B</b>	HM 3188	MS 3192-88	HMV 88	23288 CAK/W33		
	560	361	70	90	-	-	Tr 440x5	-	-	117	<b>H 3288</b>	HM 3188	MS 3192-88	HMV 88	23288 CAK/W33		
	430	460	540	189	60	77	12	6.5	Tr 460x5	M 8	-	60	<b>OH 3992 H</b>	HM 3092	MS 3092-88	HMV 92	23992 CAK/W33
			540	189	60	77	12	6.5	Tr 460x5	M 8	-	60	<b>OH 3992 HB</b>	HM 3092	MS 3092-88	HMV 92	23992 CAK/W33
			540	189	60	77	15	10	Tr 460x5	-	G 1/4	60	<b>OH 3992</b>	HM 3092	MS 3092-88	HMV 92	23992 CAK/W33
			540	189	60	77	15	10	Tr 460x5	-	G 1/4	60	<b>OH 3992 B</b>	HM 3092	MS 3092-88	HMV 92	23992 CAK/W33
540			189	60	77	-	-	Tr 460x5	-	-	60	<b>H 3992</b>	HM 3092	MS 3092-88	HMV 92	23992 CAK/W33	
540			234	60	77	12	6.5	Tr 460x5	M 8	-	71	<b>OH 3092 H</b>	HM 3092	MS 3092-88	HMV 92	23092 CAK/W33	
540		234	60	77	12	6.5	Tr 460x5	M 8	-	71	<b>OH 3092 HB</b>	HM 3092	MS 3092-88	HMV 92	23092 CAK/W33		
540		234	60	77	15	11	Tr 460x5	-	G 1/4	71	<b>OH 3092</b>	HM 3092	MS 3092-88	HMV 92	23092 CAK/W33		
540		234	60	77	15	11	Tr 460x5	-	G 1/4	71	<b>OH 3092 B</b>	HM 3092	MS 3092-88	HMV 92	23092 CAK/W33		
540		234	60	77	-	-	Tr 460x5	-	-	71	<b>H 3092</b>	HM 3092	MS 3092-88	HMV 92	23092 CAK/W33		
580		326	75	95	12	6.5	Tr 460x5	M 8	-	119	<b>OH 3192 H</b>	HM 3192	MS 3192-88	HMV 92	23192 CAK/W33		
580		326	75	95	12	6.5	Tr 460x5	M 8	-	119	<b>OH 3192 HB</b>	HM 3192	MS 3192-88	HMV 92	23192 CAK/W33		
580		326	75	95	15	14	Tr 460x5	-	G 1/4	119	<b>OH 3192</b>	HM 3192	MS 3192-88	HMV 92	23192 CAK/W33		
580		326	75	95	15	14	Tr 460x5	-	G 1/4	119	<b>OH 3192 B</b>	HM 3192	MS 3192-88	HMV 92	23192 CAK/W33		
580		326	75	95	-	-	Tr 460x5	-	-	119	<b>H 3192</b>	HM 3192	MS 3192-88	HMV 92	23192 CAK/W33		
580		382	75	95	12	6.5	Tr 460x5	M 8	-	134	<b>OH 3292 H</b>	HM 3192	MS 3192-88	HMV 92	23292 CAK/W33		
580		382	75	95	12	6.5	Tr 460x5	M 8	-	134	<b>OH 3292 HB</b>	HM 3192	MS 3192-88	HMV 92	23292 CAK/W33		
580		382	75	95	15	17	Tr 460x5	-	G 1/4	134	<b>OH 3292</b>	HM 3192	MS 3192-88	HMV 92	23292 CAK/W33		
580		382	75	95	15	17	Tr 460x5	-	G 1/4	134	<b>OH 3292 B</b>	HM 3192	MS 3192-88	HMV 92	23292 CAK/W33		
580		382	75	95	-	-	Tr 460x5	-	-	134	<b>H 3292</b>	HM 3192	MS 3192-88	HMV 92	23292 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

## Adapter sleeves

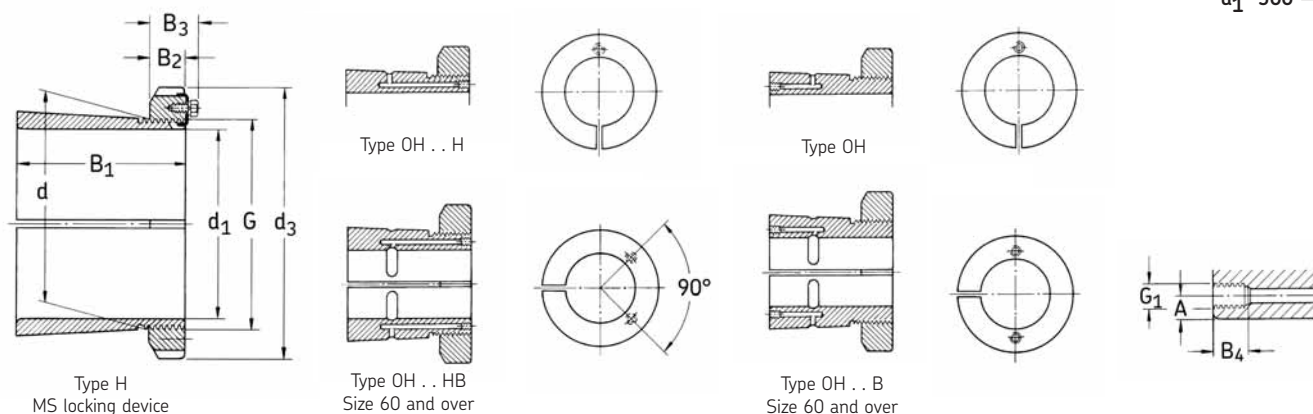
d<sub>1</sub> 450 — 470 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
450	480	560	200	60	77	12	6.5	Tr 480x5	M 8	-	66	<b>OH 3996 H</b>	HM 3096	MS 30/500-96	HMV 96	23996 CAK/W33	
		560	200	60	77	12	6.5	Tr 480x5	M 8	-	66	<b>OH 3996 HB</b>	HM 3096	MS 30/500-96	HMV 96	23996 CAK/W33	
		560	200	60	77	15	10	Tr 480x5	-	G 1/4	66	<b>OH 3996</b>	HM 3096	MS 30/500-96	HMV 96	23996 CAK/W33	
		560	200	60	77	15	10	Tr 480x5	-	G 1/4	66	<b>OH 3996 B</b>	HM 3096	MS 30/500-96	HMV 96	23996 CAK/W33	
		560	200	60	77	-	-	Tr 480x5	-	-	66	<b>H 3996</b>	HM 3096	MS 30/500-96	HMV 96	23996 CAK/W33	
		560	237	60	77	12	6.5	Tr 480x5	M 8	-	75	<b>OH 3096 H</b>	HM 3096	MS 30/500-96	HMV 96	23096 CAK/W33	
	560	237	60	77	12	6.5	Tr 480x5	M 8	-	75	<b>OH 3096 HB</b>	HM 3096	MS 30/500-96	HMV 96	23096 CAK/W33		
	560	237	60	77	15	11	Tr 480x5	-	G 1/4	75	<b>OH 3096</b>	HM 3096	MS 30/500-96	HMV 96	23096 CAK/W33		
	560	237	60	77	15	11	Tr 480x5	-	G 1/4	75	<b>OH 3096 B</b>	HM 3096	MS 30/500-96	HMV 96	23096 CAK/W33		
	560	237	60	77	-	-	Tr 480x5	-	-	75	<b>H 3096</b>	HM 3096	MS 30/500-96	HMV 96	23096 CAK/W33		
	620	335	75	95	12	6.5	Tr 480x5	M 8	-	135	<b>OH 3196 H</b>	HM 3196	MS 3196	HMV 96	23196 CAK/W33		
	620	335	75	95	12	6.5	Tr 480x5	M 8	-	135	<b>OH 3196 HB</b>	HM 3196	MS 3196	HMV 96	23196 CAK/W33		
	620	335	75	95	15	14	Tr 480x5	-	G 1/4	135	<b>OH 3196</b>	HM 3196	MS 3196	HMV 96	23196 CAK/W33		
	620	335	75	95	15	14	Tr 480x5	-	G 1/4	135	<b>OH 3196 B</b>	HM 3196	MS 3196	HMV 96	23196 CAK/W33		
	620	335	75	95	-	-	Tr 480x5	-	-	135	<b>H 3196</b>	HM 3196	MS 3196	HMV 96	23196 CAK/W33		
	620	397	75	95	12	6.5	Tr 480x5	M 8	-	153	<b>OH 3296 H</b>	HM 3196	MS 3196	HMV 96	23296 CAK/W33		
	620	397	75	95	12	6.5	Tr 480x5	M 8	-	153	<b>OH 3296 HB</b>	HM 3196	MS 3196	HMV 96	23296 CAK/W33		
	620	397	75	95	15	17	Tr 480x5	-	G 1/4	153	<b>OH 3296</b>	HM 3196	MS 3196	HMV 96	23296 CAK/W33		
	620	397	75	95	15	17	Tr 480x5	-	G 1/4	153	<b>OH 3296 B</b>	HM 3196	MS 3196	HMV 96	23296 CAK/W33		
	620	397	75	95	-	-	Tr 480x5	-	-	153	<b>H 3296</b>	HM 3196	MS 3196	HMV 96	23296 CAK/W33		
	470	500	580	208	68	85	12	6.5	Tr 500x5	M 8	-	74.3	<b>OH 39/500 H</b>	HM 30/500	MS 30/500-96	HMV 100	239/500 CAK/W33
			580	208	68	85	12	6.5	Tr 500x5	M 8	-	74.3	<b>OH 39/500 HB</b>	HM 30/500	MS 30/500-96	HMV 100	239/500 CAK/W33
			580	208	68	85	15	10	Tr 500x5	-	G 1/4	74.3	<b>OH 39/500</b>	HM 30/500	MS 30/500-96	HMV 100	239/500 CAK/W33
			580	208	68	85	15	10	Tr 500x5	-	G 1/4	74.3	<b>OH 39/500 B</b>	HM 30/500	MS 30/500-96	HMV 100	239/500 CAK/W33
580			208	68	85	-	-	Tr 500x5	-	-	74.3	<b>H 39/500</b>	HM 30/500	MS 30/500-96	HMV 100	239/500 CAK/W33	
580			247	68	85	12	6.5	Tr 500x5	M 8	-	82	<b>OH 30/500 H</b>	HM 30/500	MS 30/500-96	HMV 100	230/500 CAK/W33	
580		247	68	85	12	6.5	Tr 500x5	M 8	-	82	<b>OH 30/500 HB</b>	HM 30/500	MS 30/500-96	HMV 100	230/500 CAK/W33		
580		247	68	85	15	11	Tr 500x5	-	G 1/4	82	<b>OH 30/500</b>	HM 30/500	MS 30/500-96	HMV 100	230/500 CAK/W33		
580		247	68	85	15	11	Tr 500x5	-	G 1/4	82	<b>OH 30/500 B</b>	HM 30/500	MS 30/500-96	HMV 100	230/500 CAK/W33		
580		247	68	85	-	-	Tr 500x5	-	-	82	<b>H 30/500</b>	HM 30/500	MS 30/500-96	HMV 100	230/500 CAK/W33		
630		356	80	100	12	6.5	Tr 500x5	M 8	-	145	<b>OH 31/500 H</b>	HM 31/500	MS 31/500	HMV 100	231/500 CAK/W33		
630		356	80	100	12	6.5	Tr 500x5	M 8	-	145	<b>OH 31/500 HB</b>	HM 31/500	MS 31/500	HMV 100	231/500 CAK/W33		
630		356	80	100	15	15	Tr 500x5	-	G 1/4	145	<b>OH 31/500</b>	HM 31/500	MS 31/500	HMV 100	231/500 CAK/W33		
630		356	80	100	15	15	Tr 500x5	-	G 1/4	145	<b>OH 31/500 B</b>	HM 31/500	MS 31/500	HMV 100	231/500 CAK/W33		
630		356	80	100	-	-	Tr 500x5	-	-	145	<b>H 31/500</b>	HM 31/500	MS 31/500	HMV 100	231/500 CAK/W33		
630		428	80	100	12	6	Tr 500x5	M 8	-	170	<b>OH 32/500 H</b>	HM 31/500	MS 31/500	HMV 100	232/500 CAK/W33		
630		428	80	100	12	6	Tr 500x5	M 8	-	170	<b>OH 32/500 HB</b>	HM 31/500	MS 31/500	HMV 100	232/500 CAK/W33		
630		428	80	100	15	18	Tr 500x5	-	G 1/4	170	<b>OH 32/500</b>	HM 31/500	MS 31/500	HMV 100	232/500 CAK/W33		
630		428	80	100	15	18	Tr 500x5	-	G 1/4	170	<b>OH 32/500 B</b>	HM 31/500	MS 31/500	HMV 100	232/500 CAK/W33		
630		428	80	100	-	-	Tr 500x5	-	-	170	<b>H 32/500</b>	HM 31/500	MS 31/500	HMV 100	232/500 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

Adapter sleeves  
d<sub>1</sub> 500 — 530 mm



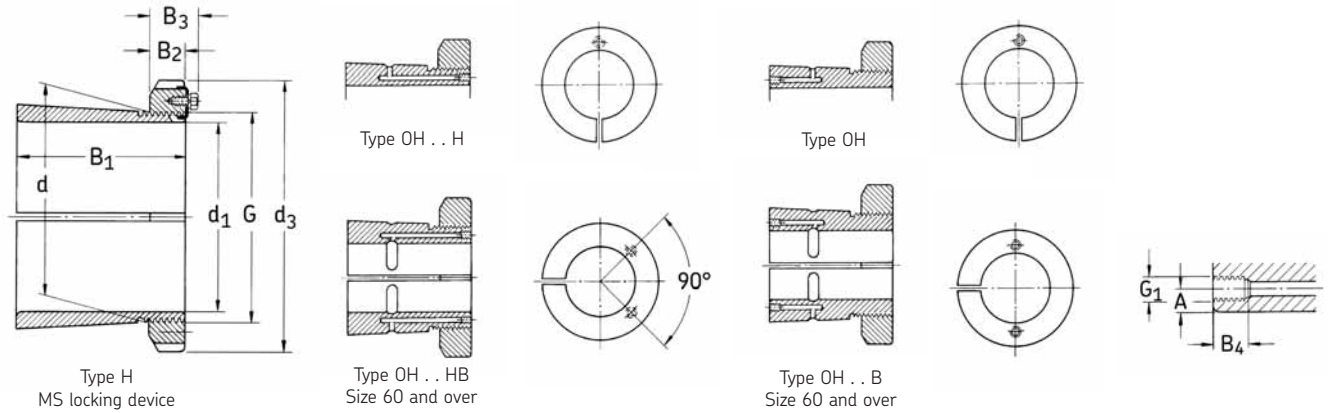
Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
500	530	630	216	68	90	12	6	Tr 530x6	M 8	-	87.9	OH 39/530 H	HM 30/530	MS 30/600-530	HMV 106	239/530 CAK/W33	
		630	216	68	90	12	6	Tr 530x6	M 8	-	87.9	OH 39/530 HB	HM 30/530	MS 30/600-530	HMV 106	239/530 CAK/W33	
		630	216	68	90	15	11	Tr 530x6	-	G 1/4	87.9	OH 39/530	HM 30/530	MS 30/600-530	HMV 106	239/530 CAK/W33	
		630	216	68	90	15	11	Tr 530x6	-	G 1/4	87.9	OH 39/530 B	HM 30/530	MS 30/600-530	HMV 106	239/530 CAK/W33	
		630	216	68	90	-	-	Tr 530x6	-	-	87.9	H 39/530	HM 30/530	MS 30/600-530	HMV 106	239/530 CAK/W33	
		630	265	68	90	12	6	Tr 530x6	M 8	-	105	OH 30/530 H	HM 30/530	MS 30/600-530	HMV 106	230/530 CAK/W33	
	630	265	68	90	12	6	Tr 530x6	M 8	-	105	OH 30/530 HB	HM 30/530	MS 30/600-530	HMV 106	230/530 CAK/W33		
	630	265	68	90	15	13	Tr 530x6	-	G 1/4	105	OH 30/530	HM 30/530	MS 30/600-530	HMV 106	230/530 CAK/W33		
	630	265	68	90	15	13	Tr 530x6	-	G 1/4	105	OH 30/530 B	HM 30/530	MS 30/600-530	HMV 106	230/530 CAK/W33		
	630	265	68	90	-	-	Tr 530x6	-	-	105	H 30/530	HM 30/530	MS 30/600-530	HMV 106	230/530 CAK/W33		
	670	364	80	105	12	6	Tr 530x6	M 8	-	161	OH 31/530 H	HM 31/530	MS 31/530	HMV 106	231/530 CAK/W33		
	670	364	80	105	12	6	Tr 530x6	M 8	-	161	OH 31/530 HB	HM 31/530	MS 31/530	HMV 106	231/530 CAK/W33		
	670	364	80	105	15	15	Tr 530x6	-	G 1/4	161	OH 31/530	HM 31/530	MS 31/530	HMV 106	231/530 CAK/W33		
	670	364	80	105	15	15	Tr 530x6	-	G 1/4	161	OH 31/530 B	HM 31/530	MS 31/530	HMV 106	231/530 CAK/W33		
	670	364	80	105	-	-	Tr 530x6	-	-	161	H 31/530	HM 31/530	MS 31/530	HMV 106	231/530 CAK/W33		
	670	447	80	105	12	6	Tr 530x6	M 8	-	192	OH 32/530 H	HM 31/530	MS 31/530	HMV 106	232/530 CAK/W33		
	670	447	80	105	12	6	Tr 530x6	M 8	-	192	OH 32/530 HB	HM 31/530	MS 31/530	HMV 106	232/530 CAK/W33		
	670	447	80	105	15	19	Tr 530x6	-	G 1/4	192	OH 32/530	HM 31/530	MS 31/530	HMV 106	232/530 CAK/W33		
	670	447	80	105	15	19	Tr 530x6	-	G 1/4	192	OH 32/530 B	HM 31/530	MS 31/530	HMV 106	232/530 CAK/W33		
	670	447	80	105	-	-	Tr 530x6	-	-	192	H 32/530	HM 31/530	MS 31/530	HMV 106	232/530 CAK/W33		
	530	560	650	227	75	97	12	6	Tr 560x6	M 8	-	95	OH 39/560 H	HM 30/560	MS 30/560	HMV 112	239/560 CAK/W33
			650	227	75	97	12	6	Tr 560x6	M 8	-	95	OH 39/560 HB	HM 30/560	MS 30/560	HMV 112	239/560 CAK/W33
			650	227	75	97	15	11	Tr 560x6	-	G 1/4	95	OH 39/560	HM 30/560	MS 30/560	HMV 112	239/560 CAK/W33
			650	227	75	97	15	11	Tr 560x6	-	G 1/4	95	OH 39/560 B	HM 30/560	MS 30/560	HMV 112	239/560 CAK/W33
650			227	75	97	-	-	Tr 560x6	-	-	95	H 39/560	HM 30/560	MS 30/560	HMV 112	239/560 CAK/W33	
650			282	75	97	12	6	Tr 560x6	M 8	-	112	OH 30/560 H	HM 30/560	MS 30/560	HMV 112	230/560 CAK/W33	
650		282	75	97	12	6	Tr 560x6	M 8	-	112	OH 30/560 HB	HM 30/560	MS 30/560	HMV 112	230/560 CAK/W33		
650		282	75	97	15	13	Tr 560x6	-	G 1/4	112	OH 30/560	HM 30/560	MS 30/560	HMV 112	230/560 CAK/W33		
650		282	75	97	15	13	Tr 560x6	-	G 1/4	112	OH 30/560 B	HM 30/560	MS 30/560	HMV 112	230/560 CAK/W33		
650		282	75	97	-	-	Tr 560x6	-	-	112	H 30/560	HM 30/560	MS 30/560	HMV 112	230/560 CAK/W33		
710		377	85	110	12	6	Tr 560x6	M 8	-	185	OH 31/560 H	HM 31/560	MS 31/600-560	HMV 112	231/560 CAK/W33		
710		377	85	110	12	6	Tr 560x6	M 8	-	185	OH 31/560 HB	HM 31/560	MS 31/600-560	HMV 112	231/560 CAK/W33		
710		377	85	110	15	16	Tr 560x6	-	G 1/4	185	OH 31/560	HM 31/560	MS 31/600-560	HMV 112	231/560 CAK/W33		
710		377	85	110	15	16	Tr 560x6	-	G 1/4	185	OH 31/560 B	HM 31/560	MS 31/600-560	HMV 112	231/560 CAK/W33		
710		377	85	110	-	-	Tr 560x6	-	-	185	H 31/560	HM 31/560	MS 31/600-560	HMV 112	231/560 CAK/W33		
710		462	85	110	12	6	Tr 560x6	M 8	-	219	OH 32/560 H	HM 31/560	MS 31/600-560	HMV 112	232/560 CAK/W33		
710		462	85	110	12	6	Tr 560x6	M 8	-	219	OH 32/560 HB	HM 31/560	MS 31/600-560	HMV 112	232/560 CAK/W33		
710		462	85	110	15	19	Tr 560x6	-	G 1/4	219	OH 32/560	HM 31/560	MS 31/600-560	HMV 112	232/560 CAK/W33		
710		462	85	110	15	19	Tr 560x6	-	G 1/4	219	OH 32/560 B	HM 31/560	MS 31/600-560	HMV 112	232/560 CAK/W33		
710		462	85	110	-	-	Tr 560x6	-	-	219	H 32/560	HM 31/560	MS 31/600-560	HMV 112	232/560 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

## Adapter sleeves

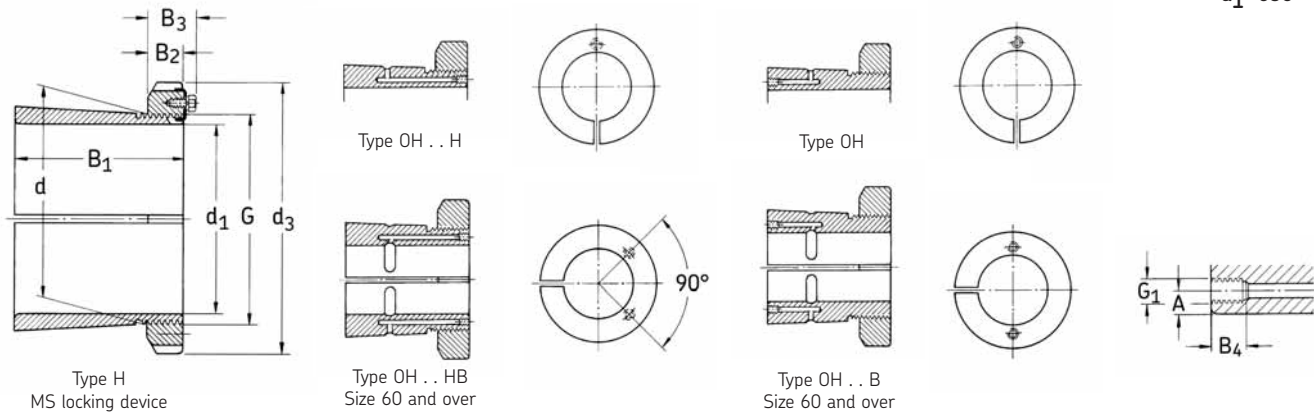
d<sub>1</sub> 560 — 600 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device						
mm										in	kg	—					
560	600	700	239	75	97	13	8	Tr 600x6	-	G 1/8	127	<b>OH 39/600 H</b>	HM 30/600	MS 30/600-530	HMV 120	239/600 CAK/W33	
		700	239	75	97	13	8	Tr 600x6	-	G 1/8	127	<b>OH 39/600 HB</b>	HM 30/600	MS 30/600-530	HMV 120	239/600 CAK/W33	
		700	239	75	97	15	16	Tr 600x6	-	G 1/4	127	<b>OH 39/600</b>	HM 30/600	MS 30/600-530	HMV 120	239/600 CAK/W33	
		700	239	75	97	15	16	Tr 600x6	-	G 1/4	127	<b>OH 39/600 B</b>	HM 30/600	MS 30/600-530	HMV 120	239/600 CAK/W33	
		700	239	75	97	-	-	Tr 600x6	-	-	-	127	<b>H 39/600</b>	HM 30/600	MS 30/600-530	HMV 120	239/600 CAK/W33
		700	239	75	97	-	-	Tr 600x6	-	-	-	-	127	<b>H 39/600</b>	HM 30/600	MS 30/600-530	HMV 120
	700	289	75	97	13	8	Tr 600x6	-	G 1/8	147	<b>OH 30/600 H</b>	HM 30/600	MS 30/600-530	HMV 120	230/600 CAK/W33		
		289	75	97	13	8	Tr 600x6	-	G 1/8	147	<b>OH 30/600 HB</b>	HM 30/600	MS 30/600-530	HMV 120	230/600 CAK/W33		
		289	75	97	15	18	Tr 600x6	-	G 1/4	147	<b>OH 30/600</b>	HM 30/600	MS 30/600-530	HMV 120	230/600 CAK/W33		
		289	75	97	15	18	Tr 600x6	-	G 1/4	147	<b>OH 30/600 B</b>	HM 30/600	MS 30/600-530	HMV 120	230/600 CAK/W33		
		289	75	97	-	-	Tr 600x6	-	-	-	-	147	<b>H 30/600</b>	HM 30/600	MS 30/600-530	HMV 120	230/600 CAK/W33
		289	75	97	-	-	Tr 600x6	-	-	-	-	147	<b>H 30/600</b>	HM 30/600	MS 30/600-530	HMV 120	230/600 CAK/W33
	750	399	85	110	13	8	Tr 600x6	-	G 1/8	234	<b>OH 31/600 H</b>	HM 31/600	MS 31/600-560	HMV 120	231/600 CAK/W33		
		399	85	110	13	8	Tr 600x6	-	G 1/8	234	<b>OH 31/600 HB</b>	HM 31/600	MS 31/600-560	HMV 120	231/600 CAK/W33		
		399	85	110	15	22	Tr 600x6	-	G 1/4	234	<b>OH 31/600</b>	HM 31/600	MS 31/600-560	HMV 120	231/600 CAK/W33		
		399	85	110	15	22	Tr 600x6	-	G 1/4	234	<b>OH 31/600 B</b>	HM 31/600	MS 31/600-560	HMV 120	231/600 CAK/W33		
		399	85	110	-	-	Tr 600x6	-	-	-	-	234	<b>H 31/600</b>	HM 31/600	MS 31/600-560	HMV 120	231/600 CAK/W33
		399	85	110	-	-	Tr 600x6	-	-	-	-	234	<b>H 31/600</b>	HM 31/600	MS 31/600-560	HMV 120	231/600 CAK/W33
	750	487	85	110	13	8	Tr 600x6	-	G 1/8	278	<b>OH 32/600 H</b>	HM 31/600	MS 31/600-560	HMV 120	232/600 CAK/W33		
		487	85	110	13	8	Tr 600x6	-	G 1/8	278	<b>OH 32/600 HB</b>	HM 31/600	MS 31/600-560	HMV 120	232/600 CAK/W33		
		487	85	110	15	25	Tr 600x6	-	G 1/4	278	<b>OH 32/600</b>	HM 31/600	MS 31/600-560	HMV 120	232/600 CAK/W33		
		487	85	110	15	25	Tr 600x6	-	G 1/4	278	<b>OH 32/600 B</b>	HM 31/600	MS 31/600-560	HMV 120	232/600 CAK/W33		
		487	85	110	-	-	Tr 600x6	-	-	-	-	278	<b>H 32/600</b>	HM 31/600	MS 31/600-560	HMV 120	232/600 CAK/W33
		487	85	110	-	-	Tr 600x6	-	-	-	-	278	<b>H 32/600</b>	HM 31/600	MS 31/600-560	HMV 120	232/600 CAK/W33
600	630	730	254	75	97	12	6	Tr 630x6	M 8	-	124	<b>OH 39/630 H</b>	HM 30/630	MS 30/630	HMV 126	239/630 CAK/W33	
		730	254	75	97	12	6	Tr 630x6	M 8	-	124	<b>OH 39/630 HB</b>	HM 30/630	MS 30/630	HMV 126	239/630 CAK/W33	
		730	254	75	97	15	12	Tr 630x6	-	G 1/4	124	<b>OH 39/630</b>	HM 30/630	MS 30/630	HMV 126	239/630 CAK/W33	
		730	254	75	97	15	12	Tr 630x6	-	G 1/4	124	<b>OH 39/630 B</b>	HM 30/630	MS 30/630	HMV 126	239/630 CAK/W33	
		730	254	75	97	-	-	Tr 630x6	-	-	-	124	<b>H 39/630</b>	HM 30/630	MS 30/630	HMV 126	239/630 CAK/W33
		730	254	75	97	-	-	Tr 630x6	-	-	-	124	<b>H 39/630</b>	HM 30/630	MS 30/630	HMV 126	239/630 CAK/W33
	730	301	75	97	12	6	Tr 630x6	M 8	-	138	<b>OH 30/630 H</b>	HM 30/630	MS 30/630	HMV 126	230/630 CAK/W33		
		301	75	97	12	6	Tr 630x6	M 8	-	138	<b>OH 30/630 HB</b>	HM 30/630	MS 30/630	HMV 126	230/630 CAK/W33		
		301	75	97	15	13	Tr 630x6	-	G 1/4	138	<b>OH 30/630</b>	HM 30/630	MS 30/630	HMV 126	230/630 CAK/W33		
		301	75	97	15	13	Tr 630x6	-	G 1/4	138	<b>OH 30/630 B</b>	HM 30/630	MS 30/630	HMV 126	230/630 CAK/W33		
		301	75	97	-	-	Tr 630x6	-	-	-	-	138	<b>H 30/630</b>	HM 30/630	MS 30/630	HMV 126	230/630 CAK/W33
		301	75	97	-	-	Tr 630x6	-	-	-	-	138	<b>H 30/630</b>	HM 30/630	MS 30/630	HMV 126	230/630 CAK/W33
	800	424	95	120	12	6	Tr 630x6	M 8	-	254	<b>OH 31/630 H</b>	HM 31/630	MS 31/630	HMV 126	231/630 CAK/W33		
		424	95	120	12	6	Tr 630x6	M 8	-	254	<b>OH 31/630 HB</b>	HM 31/630	MS 31/630	HMV 126	231/630 CAK/W33		
		424	95	120	15	17	Tr 630x6	-	G 1/4	254	<b>OH 31/630</b>	HM 31/630	MS 31/630	HMV 126	231/630 CAK/W33		
		424	95	120	15	17	Tr 630x6	-	G 1/4	254	<b>OH 31/630 B</b>	HM 31/630	MS 31/630	HMV 126	231/630 CAK/W33		
		424	95	120	-	-	Tr 630x6	-	-	-	-	254	<b>H 31/630</b>	HM 31/630	MS 31/630	HMV 126	231/630 CAK/W33
		424	95	120	-	-	Tr 630x6	-	-	-	-	254	<b>H 31/630</b>	HM 31/630	MS 31/630	HMV 126	231/630 CAK/W33
	800	521	95	120	12	6	Tr 630x6	M 8	-	300	<b>OH 32/630 H</b>	HM 31/630	MS 31/630	HMV 126	232/630 CAK/W33		
		521	95	120	12	6	Tr 630x6	M 8	-	300	<b>OH 32/630 HB</b>	HM 31/630	MS 31/630	HMV 126	232/630 CAK/W33		
		521	95	120	15	21	Tr 630x6	-	G 1/4	300	<b>OH 32/630</b>	HM 31/630	MS 31/630	HMV 126	232/630 CAK/W33		
		521	95	120	15	21	Tr 630x6	-	G 1/4	300	<b>OH 32/630 B</b>	HM 31/630	MS 31/630	HMV 126	232/630 CAK/W33		
		521	95	120	-	-	Tr 630x6	-	-	-	-	300	<b>H 32/630</b>	HM 31/630	MS 31/630	HMV 126	232/630 CAK/W33
		521	95	120	-	-	Tr 630x6	-	-	-	-	300	<b>H 32/630</b>	HM 31/630	MS 31/630	HMV 126	232/630 CAK/W33



Adapter sleeves  
d<sub>1</sub> 630 — 670 mm



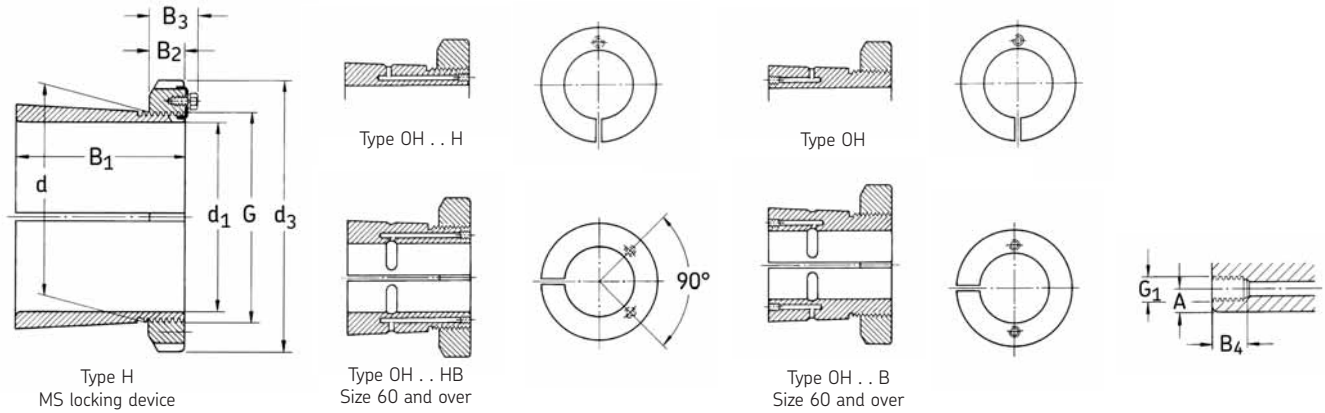
Dimensions									Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>	Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
mm									in	kg	—					
630	670	780	264	80	102	13	8	Tr 670x6	G 1/8	162	<b>OH 39/670 H</b>	HM 30/670	MS 30/670	HMV 134	239/670 CAK/W33	
		780	264	80	102	13	8	Tr 670x6	G 1/8	162	<b>OH 39/670 HB</b>	HM 30/670	MS 30/670	HMV 134	239/670 CAK/W33	
		780	264	80	102	15	17	Tr 670x6	G 1/4	162	<b>OH 39/670</b>	HM 30/670	MS 30/670	HMV 134	239/670 CAK/W33	
		780	264	80	102	15	17	Tr 670x6	G 1/4	162	<b>OH 39/670 B</b>	HM 30/670	MS 30/670	HMV 134	239/670 CAK/W33	
		780	264	80	102	-	-	Tr 670x6	-	162	<b>H 39/670</b>	HM 30/670	MS 30/670	HMV 134	239/670 CAK/W33	
		780	324	80	102	13	8	Tr 670x6	G 1/8	190	<b>OH 30/670 H</b>	HM 30/670	MS 30/670	HMV 134	230/670 CAK/W33	
	780	324	80	102	13	8	Tr 670x6	G 1/8	190	<b>OH 30/670 HB</b>	HM 30/670	MS 30/670	HMV 134	230/670 CAK/W33		
	780	324	80	102	15	19	Tr 670x6	G 1/4	190	<b>OH 30/670</b>	HM 30/670	MS 30/670	HMV 134	230/670 CAK/W33		
	780	324	80	102	15	19	Tr 670x6	G 1/4	190	<b>OH 30/670 B</b>	HM 30/670	MS 30/670	HMV 134	230/670 CAK/W33		
	780	324	80	102	-	-	Tr 670x6	-	190	<b>H 30/670</b>	HM 30/670	MS 30/670	HMV 134	230/670 CAK/W33		
	850	456	106	131	13	8	Tr 670x6	G 1/8	340	<b>OH 31/670 H</b>	HM 31/670	MS 31/670	HMV 134	231/670 CAK/W33		
	850	456	106	131	13	8	Tr 670x6	G 1/8	340	<b>OH 31/670 HB</b>	HM 31/670	MS 31/670	HMV 134	231/670 CAK/W33		
	850	456	106	131	15	23	Tr 670x6	G 1/4	340	<b>OH 31/670</b>	HM 31/670	MS 31/670	HMV 134	231/670 CAK/W33		
	850	456	106	131	15	23	Tr 670x6	G 1/4	340	<b>OH 31/670 B</b>	HM 31/670	MS 31/670	HMV 134	231/670 CAK/W33		
	850	456	106	131	-	-	Tr 670x6	-	340	<b>H 31/670</b>	HM 31/670	MS 31/670	HMV 134	231/670 CAK/W33		
	850	558	106	131	13	8	Tr 670x6	G 1/8	401	<b>OH 32/670 H</b>	HM 31/670	MS 31/670	HMV 134	232/670 CAK/W33		
	850	558	106	131	13	8	Tr 670x6	G 1/8	401	<b>OH 32/670 HB</b>	HM 31/670	MS 31/670	HMV 134	232/670 CAK/W33		
	850	558	106	131	15	27	Tr 670x6	G 1/4	401	<b>OH 32/670</b>	HM 31/670	MS 31/670	HMV 134	232/670 CAK/W33		
	850	558	106	131	15	27	Tr 670x6	G 1/4	401	<b>OH 32/670 B</b>	HM 31/670	MS 31/670	HMV 134	232/670 CAK/W33		
	850	558	106	131	-	-	Tr 670x6	-	401	<b>H 32/670</b>	HM 31/670	MS 31/670	HMV 134	232/670 CAK/W33		
	670	710	830	286	90	112	13	8	Tr 710x7	G 1/8	183	<b>OH 39/710 H</b>	HM 30/710	MS 30/710	HMV 142	239/710 CAK/W33
			830	286	90	112	13	8	Tr 710x7	G 1/8	183	<b>OH 39/710 HB</b>	HM 30/710	MS 30/710	HMV 142	239/710 CAK/W33
			830	286	90	112	15	18	Tr 710x7	G 1/4	183	<b>OH 39/710</b>	HM 30/710	MS 30/710	HMV 142	239/710 CAK/W33
			830	286	90	112	15	18	Tr 710x7	G 1/4	183	<b>OH 39/710 B</b>	HM 30/710	MS 30/710	HMV 142	239/710 CAK/W33
830			286	90	112	-	-	Tr 710x7	-	183	<b>H 39/710</b>	HM 30/710	MS 30/710	HMV 142	239/710 CAK/W33	
830			342	90	112	13	8	Tr 710x7	G 1/8	228	<b>OH 30/710 H</b>	HM 30/710	MS 30/710	HMV 142	230/710 CAK/W33	
830		342	90	112	13	8	Tr 710x7	G 1/8	228	<b>OH 30/710 HB</b>	HM 30/710	MS 30/710	HMV 142	230/710 CAK/W33		
830		342	90	112	15	19	Tr 710x7	G 1/4	228	<b>OH 30/710</b>	HM 30/710	MS 30/710	HMV 142	230/710 CAK/W33		
830		342	90	112	15	19	Tr 710x7	G 1/4	228	<b>OH 30/710 B</b>	HM 30/710	MS 30/710	HMV 142	230/710 CAK/W33		
830		342	90	112	-	-	Tr 710x7	-	228	<b>H 30/710</b>	HM 30/710	MS 30/710	HMV 142	230/710 CAK/W33		
900		467	106	135	13	8	Tr 710x7	G 1/8	392	<b>OH 31/710 H</b>	HM 31/710	MS 31/710	HMV 142	231/710 CAK/W33		
900		467	106	135	13	8	Tr 710x7	G 1/8	392	<b>OH 31/710 HB</b>	HM 31/710	MS 31/710	HMV 142	231/710 CAK/W33		
900		467	106	135	15	24	Tr 710x7	G 1/4	392	<b>OH 31/710</b>	HM 31/710	MS 31/710	HMV 142	231/710 CAK/W33		
900		467	106	135	15	24	Tr 710x7	G 1/4	392	<b>OH 31/710 B</b>	HM 31/710	MS 31/710	HMV 142	231/710 CAK/W33		
900		467	106	135	-	-	Tr 710x7	-	392	<b>H 31/710</b>	HM 31/710	MS 31/710	HMV 142	231/710 CAK/W33		
900		572	106	135	13	8	Tr 710x7	G 1/8	459	<b>OH 32/710 H</b>	HM 31/710	MS 31/710	HMV 142	232/710 CAK/W33		
900		572	106	135	13	8	Tr 710x7	G 1/8	459	<b>OH 32/710 HB</b>	HM 31/710	MS 31/710	HMV 142	232/710 CAK/W33		
900		572	106	135	15	28	Tr 710x7	G 1/4	459	<b>OH 32/710</b>	HM 31/710	MS 31/710	HMV 142	232/710 CAK/W33		
900		572	106	135	15	28	Tr 710x7	G 1/4	459	<b>OH 32/710 B</b>	HM 31/710	MS 31/710	HMV 142	232/710 CAK/W33		
900		572	106	135	-	-	Tr 710x7	-	459	<b>H 32/710</b>	HM 31/710	MS 31/710	HMV 142	232/710 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

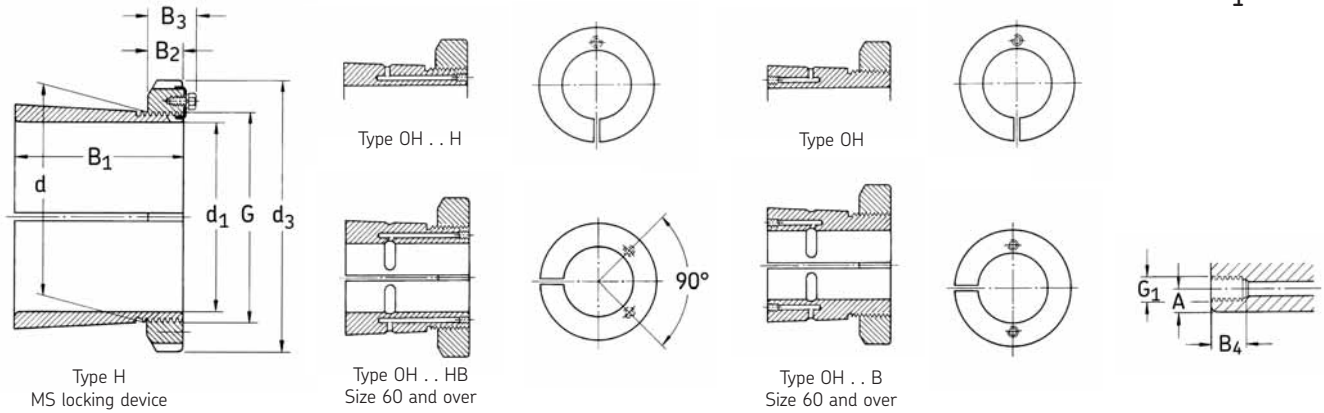
## Adapter sleeves

d<sub>1</sub> 710 — 750 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device					
mm										in	kg	—				
710	750	870	291	90	112	13	8	Tr 750x7	G 1/8	211	<b>OH 39/750 H</b>	HM 30/750	MS 30/800-750	HMV 150	239/750 CAK/W33	
		870	291	90	112	13	8	Tr 750x7	G 1/8	211	<b>OH 39/750 HB</b>	HM 30/750	MS 30/800-750	HMV 150	239/750 CAK/W33	
		870	291	90	112	15	18	Tr 750x7	G 1/4	211	<b>OH 39/750</b>	HM 30/750	MS 30/800-750	HMV 150	239/750 CAK/W33	
		870	291	90	112	15	18	Tr 750x7	G 1/4	211	<b>OH 39/750 B</b>	HM 30/750	MS 30/800-750	HMV 150	239/750 CAK/W33	
		870	291	90	112	-	-	Tr 750x7	-	211	<b>H 39/750</b>	HM 30/750	MS 30/800-750	HMV 150	239/750 CAK/W33	
		870	356	90	112	13	8	Tr 750x7	G 1/8	246	<b>OH 30/750 H</b>	HM 30/750	MS 30/800-750	HMV 150	230/750 CAK/W33	
		870	356	90	112	13	8	Tr 750x7	G 1/8	246	<b>OH 30/750 HB</b>	HM 30/750	MS 30/800-750	HMV 150	230/750 CAK/W33	
		870	356	90	112	15	20	Tr 750x7	G 1/4	246	<b>OH 30/750</b>	HM 30/750	MS 30/800-750	HMV 150	230/750 CAK/W33	
		870	356	90	112	15	20	Tr 750x7	G 1/4	246	<b>OH 30/750 B</b>	HM 30/750	MS 30/800-750	HMV 150	230/750 CAK/W33	
		870	356	90	112	-	-	Tr 750x7	-	246	<b>H 30/750</b>	HM 30/750	MS 30/800-750	HMV 150	230/750 CAK/W33	
		950	493	112	141	13	8	Tr 750x7	G 1/8	451	<b>OH 31/750 H</b>	HM 31/750	MS 31/800-750	HMV 150	231/750 CAK/W33	
		950	493	112	141	13	8	Tr 750x7	G 1/8	451	<b>OH 31/750 HB</b>	HM 31/750	MS 31/800-750	HMV 150	231/750 CAK/W33	
	950	493	112	141	15	24	Tr 750x7	G 1/4	451	<b>OH 31/750</b>	HM 31/750	MS 31/800-750	HMV 150	231/750 CAK/W33		
	950	493	112	141	15	24	Tr 750x7	G 1/4	451	<b>OH 31/750 B</b>	HM 31/750	MS 31/800-750	HMV 150	231/750 CAK/W33		
	950	493	112	141	-	-	Tr 750x7	-	451	<b>H 31/750</b>	HM 31/750	MS 31/800-750	HMV 150	231/750 CAK/W33		
	950	603	112	141	13	8	Tr 750x7	G 1/8	526	<b>OH 32/750 H</b>	HM 31/750	MS 31/800-750	HMV 150	232/750 CAK/W33		
	950	603	112	141	13	8	Tr 750x7	G 1/8	526	<b>OH 32/750 HB</b>	HM 31/750	MS 31/800-750	HMV 150	232/750 CAK/W33		
	950	603	112	141	15	29	Tr 750x7	G 1/4	526	<b>OH 32/750</b>	HM 31/750	MS 31/800-750	HMV 150	232/750 CAK/W33		
	950	603	112	141	15	29	Tr 750x7	G 1/4	526	<b>OH 32/750 B</b>	HM 31/750	MS 31/800-750	HMV 150	232/750 CAK/W33		
	950	603	112	141	-	-	Tr 750x7	-	526	<b>H 32/750</b>	HM 31/750	MS 31/800-750	HMV 150	232/750 CAK/W33		
	750	800	920	303	90	112	13	10	Tr 800x7	G 1/8	259	<b>OH 39/800 H</b>	HM 30/800	MS 30/800-750	HMV 160	239/800 CAK/W33
			920	303	90	112	13	10	Tr 800x7	G 1/8	259	<b>OH 39/800 HB</b>	HM 30/800	MS 30/800-750	HMV 160	239/800 CAK/W33
			920	303	90	112	15	23	Tr 800x7	G 1/4	259	<b>OH 39/800</b>	HM 30/800	MS 30/800-750	HMV 160	239/800 CAK/W33
			920	303	90	112	15	23	Tr 800x7	G 1/4	259	<b>OH 39/800 B</b>	HM 30/800	MS 30/800-750	HMV 160	239/800 CAK/W33
920			303	90	112	-	-	Tr 800x7	-	259	<b>H 39/800</b>	HM 30/800	MS 30/800-750	HMV 160	239/800 CAK/W33	
920			366	90	112	13	10	Tr 800x7	G 1/8	302	<b>OH 30/800 H</b>	HM 30/800	MS 30/800-750	HMV 160	230/800 CAK/W33	
920			366	90	112	13	10	Tr 800x7	G 1/8	302	<b>OH 30/800 HB</b>	HM 30/800	MS 30/800-750	HMV 160	230/800 CAK/W33	
920			366	90	112	15	25	Tr 800x7	G 1/4	302	<b>OH 30/800</b>	HM 30/800	MS 30/800-750	HMV 160	230/800 CAK/W33	
920			366	90	112	15	25	Tr 800x7	G 1/4	302	<b>OH 30/800 B</b>	HM 30/800	MS 30/800-750	HMV 160	230/800 CAK/W33	
920			366	90	112	-	-	Tr 800x7	-	302	<b>H30/800</b>	HM 30/800	MS 30/800-750	HMV 160	230/800 CAK/W33	
1 000			505	112	141	13	10	Tr 800x7	G 1/8	535	<b>OH 31/800 H</b>	HM 31/800	MS 31/800-750	HMV 160	231/800 CAK/W33	
1 000			505	112	141	13	10	Tr 800x7	G 1/8	535	<b>OH 31/800 HB</b>	HM 31/800	MS 31/800-750	HMV 160	231/800 CAK/W33	
1 000		505	112	141	15	30	Tr 800x7	G 1/4	535	<b>OH 31/800</b>	HM 31/800	MS 31/800-750	HMV 160	231/800 CAK/W33		
1 000		505	112	141	15	30	Tr 800x7	G 1/4	535	<b>OH 31/800 B</b>	HM 31/800	MS 31/800-750	HMV 160	231/800 CAK/W33		
1 000		505	112	141	-	-	Tr 800x7	-	535	<b>H 31/800</b>	HM 31/800	MS 31/800-750	HMV 160	231/800 CAK/W33		
1 000		618	112	141	13	10	Tr 800x7	G 1/8	629	<b>OH 32/800 H</b>	HM 31/800	MS 31/800-750	HMV 160	232/800 CAK/W33		
1 000		618	112	141	13	10	Tr 800x7	G 1/8	629	<b>OH 32/800 HB</b>	HM 31/800	MS 31/800-750	HMV 160	232/800 CAK/W33		
1 000		618	112	141	15	34	Tr 800x7	G 1/4	629	<b>OH 32/800</b>	HM 31/800	MS 31/800-750	HMV 160	232/800 CAK/W33		
1 000		618	112	141	15	34	Tr 800x7	G 1/4	629	<b>OH 32/800 B</b>	HM 31/800	MS 31/800-750	HMV 160	232/800 CAK/W33		
1 000		618	112	141	-	-	Tr 800x7	-	629	<b>H 32/800</b>	HM 31/800	MS 31/800-750	HMV 160	232/800 CAK/W33		

Adapter sleeves  
d<sub>1</sub> 800 — 850 mm



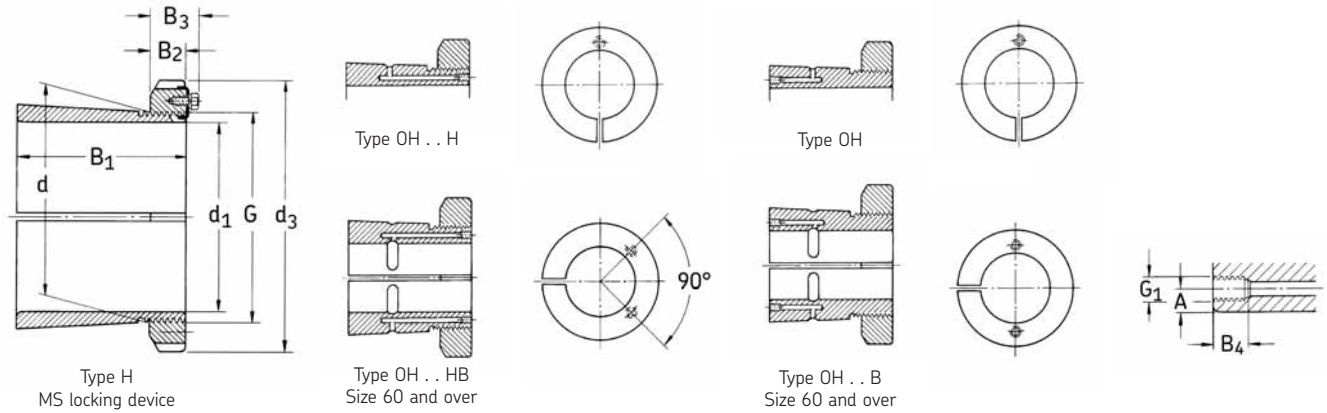
Dimensions									Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>	Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)		
mm									in	kg	—					
800	850	980	308	90	115	13	10	Tr 850x7	G 1/8	288	<b>OH 39/850 H</b>	HM 30/850	MS 30/900-850	HMV 170	239/850 CAK/W33	
		980	308	90	115	13	10	Tr 850x7	G 1/8	288	<b>OH 39/850 HB</b>	HM 30/850	MS 30/900-850	HMV 170	239/850 CAK/W33	
		980	308	90	115	15	23	Tr 850x7	G 1/4	288	<b>OH 39/850</b>	HM 30/850	MS 30/900-850	HMV 170	239/850 CAK/W33	
		980	308	90	115	15	23	Tr 850x7	G 1/4	288	<b>OH 39/850 B</b>	HM 30/850	MS 30/900-850	HMV 170	239/850 CAK/W33	
		980	308	90	115	-	-	Tr 850x7	-	288	<b>H 39/850</b>	HM 30/850	MS 30/900-850	HMV 170	239/850 CAK/W33	
	980	380	90	115	13	10	Tr 850x7	G 1/8	341	<b>OH 30/850 H</b>	HM 30/850	MS 30/900-850	HMV 170	230/850 CAK/W33		
		380	90	115	13	10	Tr 850x7	G 1/8	341	<b>OH 30/850 HB</b>	HM 30/850	MS 30/900-850	HMV 170	230/850 CAK/W33		
		380	90	115	15	25	Tr 850x7	G 1/4	341	<b>OH 30/850</b>	HM 30/850	MS 30/900-850	HMV 170	230/850 CAK/W33		
		380	90	115	15	25	Tr 850x7	G 1/4	341	<b>OH 30/850 B</b>	HM 30/850	MS 30/900-850	HMV 170	230/850 CAK/W33		
		380	90	115	-	-	Tr 850x7	-	341	<b>H 30/850</b>	HM 30/850	MS 30/900-850	HMV 170	230/850 CAK/W33		
	1 060	536	118	147	13	10	Tr 850x7	G 1/8	616	<b>OH 31/850 H</b>	HM 31/850	MS 31/850	HMV 170	231/850 CAK/W33		
		536	118	147	13	10	Tr 850x7	G 1/8	616	<b>OH 31/850 HB</b>	HM 31/850	MS 31/850	HMV 170	231/850 CAK/W33		
		536	118	147	15	31	Tr 850x7	G 1/4	616	<b>OH 31/850</b>	HM 31/850	MS 31/850	HMV 170	231/850 CAK/W33		
		536	118	147	15	31	Tr 850x7	G 1/4	616	<b>OH 31/850 B</b>	HM 31/850	MS 31/850	HMV 170	231/850 CAK/W33		
		536	118	147	-	-	Tr 850x7	-	616	<b>H 31/850</b>	HM 31/850	MS 31/850	HMV 170	231/850 CAK/W33		
	1 060	651	118	147	13	10	Tr 850x7	G 1/8	722	<b>OH 32/850 H</b>	HM 31/850	MS 31/850	HMV 170	232/850 CAK/W33		
		651	118	147	13	10	Tr 850x7	G 1/8	722	<b>OH 32/850 HB</b>	HM 31/850	MS 31/850	HMV 170	232/850 CAK/W33		
		651	118	147	15	35	Tr 850x7	G 1/4	722	<b>OH 32/850</b>	HM 31/850	MS 31/850	HMV 170	232/850 CAK/W33		
		651	118	147	15	35	Tr 850x7	G 1/4	722	<b>OH 32/850 B</b>	HM 31/850	MS 31/850	HMV 170	232/850 CAK/W33		
		651	118	147	-	-	Tr 850x7	-	722	<b>H 32/850</b>	HM 31/850	MS 31/850	HMV 170	232/850 CAK/W33		
	850	900	1 030	326	100	125	13	10	Tr 900x7	G 1/8	330	<b>OH 39/900 H</b>	HM 30/900	MS 30/900-850	HMV 180	239/900 CAK/W33
			1 030	326	100	125	13	10	Tr 900x7	G 1/8	330	<b>OH 39/900 HB</b>	HM 30/900	MS 30/900-850	HMV 180	239/900 CAK/W33
			1 030	326	100	125	15	23	Tr 900x7	G 1/4	330	<b>OH 39/900</b>	HM 30/900	MS 30/900-850	HMV 180	239/900 CAK/W33
			1 030	326	100	125	15	23	Tr 900x7	G 1/4	330	<b>OH 39/900 B</b>	HM 30/900	MS 30/900-850	HMV 180	239/900 CAK/W33
			1 030	326	100	125	-	-	Tr 900x7	-	330	<b>H 39/900</b>	HM 30/900	MS 30/900-850	HMV 180	239/900 CAK/W33
		1 030	400	100	125	13	10	Tr 900x7	G 1/8	387	<b>OH 30/900 H</b>	HM 30/900	MS 30/900-850	HMV 180	230/900 CAK/W33	
			400	100	125	13	10	Tr 900x7	G 1/8	387	<b>OH 30/900 HB</b>	HM 30/900	MS 30/900-850	HMV 180	230/900 CAK/W33	
			400	100	125	15	25	Tr 900x7	G 1/4	387	<b>OH 30/900</b>	HM 30/900	MS 30/900-850	HMV 180	230/900 CAK/W33	
			400	100	125	15	25	Tr 900x7	G 1/4	387	<b>OH 30/900 B</b>	HM 30/900	MS 30/900-850	HMV 180	230/900 CAK/W33	
			400	100	125	-	-	Tr 900x7	-	387	<b>H 30/900</b>	HM 30/900	MS 30/900-850	HMV 180	230/900 CAK/W33	
1 120		557	125	154	13	10	Tr 900x7	G 1/8	677	<b>OH 31/900 H</b>	HM 31/900	MS 31/900	HMV 180	231/900 CAK/W33		
		557	125	154	13	10	Tr 900x7	G 1/8	677	<b>OH 31/900 HB</b>	HM 31/900	MS 31/900	HMV 180	231/900 CAK/W33		
		557	125	154	15	31	Tr 900x7	G 1/4	677	<b>OH 31/900</b>	HM 31/900	MS 31/900	HMV 180	231/900 CAK/W33		
		557	125	154	15	31	Tr 900x7	G 1/4	677	<b>OH 31/900 B</b>	HM 31/900	MS 31/900	HMV 180	231/900 CAK/W33		
		557	125	154	-	-	Tr 900x7	-	677	<b>H 31/900</b>	HM 31/900	MS 31/900	HMV 180	231/900 CAK/W33		
1 120		660	125	154	13	10	Tr 900x7	G 1/8	776	<b>OH 32/900 H</b>	HM 31/900	MS 31/900	HMV 180	232/900 CAK/W33		
		660	125	154	13	10	Tr 900x7	G 1/8	776	<b>OH 32/900 HB</b>	HM 31/900	MS 31/900	HMV 180	232/900 CAK/W33		
		660	125	154	15	35	Tr 900x7	G 1/4	776	<b>OH 32/900</b>	HM 31/900	MS 31/900	HMV 180	232/900 CAK/W33		
		660	125	154	15	35	Tr 900x7	G 1/4	776	<b>OH 32/900 B</b>	HM 31/900	MS 31/900	HMV 180	232/900 CAK/W33		
		660	125	154	-	-	Tr 900x7	-	776	<b>H 32/900</b>	HM 31/900	MS 31/900	HMV 180	232/900 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

## Adapter sleeves

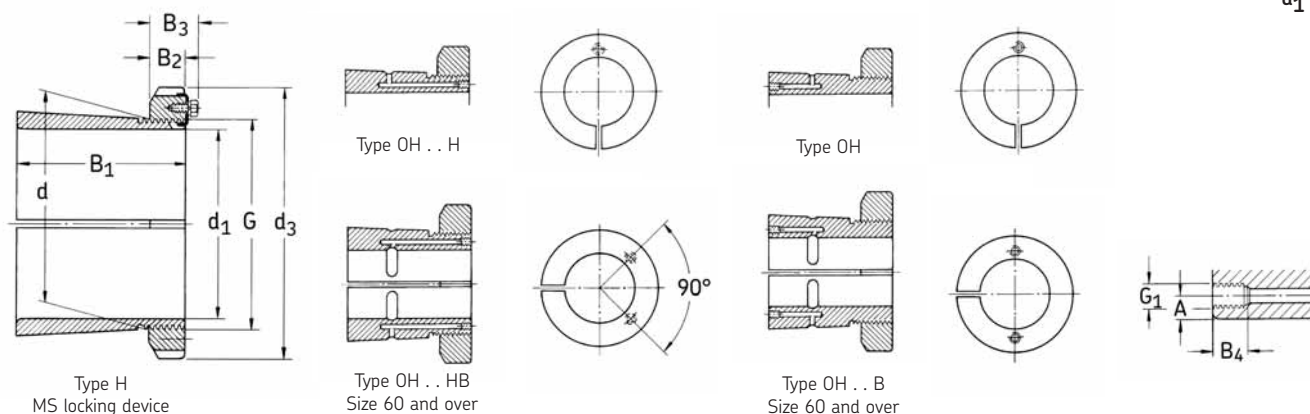
d<sub>1</sub> 900 — 950 mm



Dimensions										Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>		Adapter sleeve with lock nut and locking device					
mm										in	kg	—				
900	950	1 080	344	100	125	13	10	Tr 950x8	G 1/8	362	<b>OH 39/950 H</b>	HM 30/950	MS 30/950	HMV 190	239/950 CAK/W33	
		1 080	344	100	125	13	10	Tr 950x8	G 1/8	362	<b>OH 39/950 HB</b>	HM 30/950	MS 30/950	HMV 190	239/950 CAK/W33	
		1 080	344	100	125	15	23	Tr 950x8	G 1/4	362	<b>OH 39/950</b>	HM 30/950	MS 30/950	HMV 190	239/950 CAK/W33	
		1 080	344	100	125	15	23	Tr 950x8	G 1/4	362	<b>OH 39/950 B</b>	HM 30/950	MS 30/950	HMV 190	239/950 CAK/W33	
		1 080	344	100	125	-	-	Tr 950x8	-	362	<b>H 39/950</b>	HM 30/950	MS 30/950	HMV 190	239/950 CAK/W33	
		1 080	420	100	125	13	10	Tr 950x8	G 1/8	424	<b>OH 30/950 H</b>	HM 30/950	MS 30/950	HMV 190	230/950 CAK/W33	
		1 080	420	100	125	13	10	Tr 950x8	G 1/8	424	<b>OH 30/950 HB</b>	HM 30/950	MS 30/950	HMV 190	230/950 CAK/W33	
		1 080	420	100	125	15	25	Tr 950x8	G 1/4	424	<b>OH 30/950</b>	HM 30/950	MS 30/950	HMV 190	230/950 CAK/W33	
		1 080	420	100	125	15	25	Tr 950x8	G 1/4	424	<b>OH 30/950 B</b>	HM 30/950	MS 30/950	HMV 190	230/950 CAK/W33	
		1 080	420	100	125	-	-	Tr 950x8	-	424	<b>H 30/950</b>	HM 30/950	MS 30/950	HMV 190	230/950 CAK/W33	
		1 170	583	125	154	13	10	Tr 950x8	G 1/8	738	<b>OH 31/950 H</b>	HM 31/950	MS 31/950	HMV 190	231/950 CAK/W33	
		1 170	583	125	154	13	10	Tr 950x8	G 1/8	738	<b>OH 31/950 HB</b>	HM 31/950	MS 31/950	HMV 190	231/950 CAK/W33	
	1 170	583	125	154	15	31	Tr 950x8	G 1/4	738	<b>OH 31/950</b>	HM 31/950	MS 31/950	HMV 190	231/950 CAK/W33		
	1 170	583	125	154	15	31	Tr 950x8	G 1/4	738	<b>OH 31/950 B</b>	HM 31/950	MS 31/950	HMV 190	231/950 CAK/W33		
	1 170	583	125	154	-	-	Tr 950x8	-	738	<b>H 31/950</b>	HM 31/950	MS 31/950	HMV 190	231/950 CAK/W33		
	1 170	675	125	154	13	10	Tr 950x8	G 1/8	834	<b>OH 32/950 H</b>	HM 31/950	MS 31/950	HMV 190	232/950 CAK/W33		
	1 170	675	125	154	13	10	Tr 950x8	G 1/8	834	<b>OH 32/950 HB</b>	HM 31/950	MS 31/950	HMV 190	232/950 CAK/W33		
	1 170	675	125	154	15	35	Tr 950x8	G 1/4	834	<b>OH 32/950</b>	HM 31/950	MS 31/950	HMV 190	232/950 CAK/W33		
	1 170	675	125	154	15	35	Tr 950x8	G 1/4	834	<b>OH 32/950 B</b>	HM 31/990	MS 31/950	HMV 190	232/950 CAK/W33		
	1 170	675	125	154	-	-	Tr 950x8	-	834	<b>H 32/950</b>	HM 31/950	MS 31/950	HMV 190	232/950 CAK/W33		
	950	1 000	1 140	358	100	125	13	10	Tr 1000x8	G 1/8	407	<b>OH 39/1000 H</b>	HM 30/1000	MS 30/1000	HMV 200	239/1000 CAK/W33
			1 140	358	100	125	13	10	Tr 1000x8	G 1/8	407	<b>OH 39/1000 HB</b>	HM 30/1000	MS 30/1000	HMV 200	239/1000 CAK/W33
			1 140	358	100	125	15	23	Tr 1000x8	G 1/4	407	<b>OH 39/1000</b>	HM 30/1000	MS 30/1000	HMV 200	239/1000 CAK/W33
			1 140	358	100	125	15	23	Tr 1000x8	G 1/4	407	<b>OH 39/1000 B</b>	HM 30/1000	MS 30/1000	HMV 200	239/1000 CAK/W33
1 140			358	100	125	-	-	Tr 1000x8	-	407	<b>H 39/1000</b>	HM 30/1000	MS 30/1000	HMV 200	239/1000 CAK/W33	
1 140			430	100	125	13	10	Tr 1000x8	G 1/8	470	<b>OH 30/1000 H</b>	HM 30/1000	MS 30/1000	HMV 200	230/1000 CAK/W33	
1 140			430	100	125	13	10	Tr 1000x8	G 1/8	470	<b>OH 30/1000 HB</b>	HM 30/1000	MS 30/1000	HMV 200	230/1000 CAK/W33	
1 140			430	100	125	15	25	Tr 1000x8	G 1/4	470	<b>OH 30/1000</b>	HM 30/1000	MS 30/1000	HMV 200	230/1000 CAK/W33	
1 140			430	100	125	15	25	Tr 1000x8	G 1/4	470	<b>OH 30/1000 B</b>	HM 30/1000	MS 30/1000	HMV 200	230/1000 CAK/W33	
1 140			430	100	125	-	-	Tr 1000x8	-	470	<b>H 30/1000</b>	HM 30/1000	MS 30/1000	HMV 200	230/1000 CAK/W33	
1 240			609	125	154	13	10	Tr 1000x8	G 1/8	842	<b>OH 31/1000 H</b>	HM 31/1000	MS 31/1000	HMV 200	231/1000 CAK/W33	
1 240			609	125	154	13	10	Tr 1000x8	G 1/8	842	<b>OH 31/1000 HB</b>	HM 31/1000	MS 31/1000	HMV 200	231/1000 CAK/W33	
1 240		609	125	154	15	31	Tr 1000x8	G 1/4	842	<b>OH 31/1000</b>	HM 31/1000	MS 31/1000	HMV 200	231/1000 CAK/W33		
1 240		609	125	154	15	31	Tr 1000x8	G 1/4	842	<b>OH 31/1000 B</b>	HM 31/1000	MS 31/1000	HMV 200	231/1000 CAK/W33		
1 240		609	125	154	-	-	Tr 1000x8	-	842	<b>H 31/1000</b>	HM 31/1000	MS 31/1000	HMV 200	231/1000 CAK/W33		
1 240		707	125	154	13	10	Tr 1000x8	G 1/8	952	<b>OH 32/1000 H</b>	HM 31/1000	MS 31/1000	HMV 200	232/1000 CAK/W33		
1 240		707	125	154	13	10	Tr 1000x8	G 1/8	952	<b>OH 32/1000 HB</b>	HM 31/1000	MS 31/1000	HMV 200	232/1000 CAK/W33		
1 240		707	125	154	15	35	Tr 1000x8	G 1/4	952	<b>OH 32/1000</b>	HM 31/1000	MS 31/1000	HMV 200	232/1000 CAK/W33		
1 240		707	125	154	15	35	Tr 1000x8	G 1/4	952	<b>OH 32/1000 B</b>	HM 31/1000	MS 31/1000	HMV 200	232/1000 CAK/W33		
1 240		707	125	154	-	-	Tr 1000x8	-	952	<b>H 32/1000</b>	HM 31/1000	MS 31/1000	HMV 200	232/1000 CAK/W33		

Consult SKF USA Inc. prior to design change or order placement.

Adapter sleeves  
d<sub>1</sub> 1000 mm

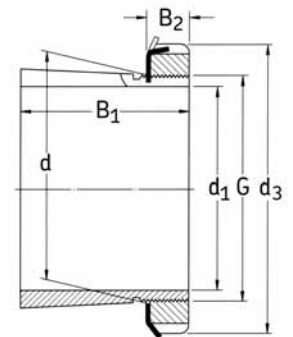


Dimensions

Dimensions									Mass	Designations	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)	
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	A	G	G <sub>1</sub>	Adapter sleeve with lock nut and locking device					
mm									in	kg	—				
1 000	1 060	1 200	372	100	125	15	12	Tr I060x8	G 1/4	490	<b>OH 39/1060 H</b>	HM 30/1060	MS 30/1000	HMV 212	239/1060 CAK/W33
		1 200	372	100	125	15	12	Tr I060x8	G 1/4	490	<b>OH 39/1060 HB</b>	HM 30/1060	MS 30/1000	HMV 212	239/1060 CAK/W33
		1 200	372	100	125	15	23	Tr I060x8	G 1/4	490	<b>OH 39/1060</b>	HM 30/1060	MS 30/1000	HMV 212	239/1060 CAK/W33
		1 200	372	100	125	15	23	Tr I060x8	G 1/4	490	<b>OH 39/1060 B</b>	HM 30/1060	MS 30/1000	HMV 212	239/1060 CAK/W33
		1 200	372	100	125	-	-	Tr I060x8	-	490	<b>H 39/1060</b>	HM 30/1060	MS 30/1000	HMV 212	239/1060 CAK/W33
	1 200	447	100	125	15	12	Tr I060x8	G 1/4	571	<b>OH 30/1060 H</b>	HM 30/1060	MS 30/1000	HMV 212	230/1060 CAK/W33	
			100	125	15	12	Tr I060x8	G 1/4	571	<b>OH 30/1060 HB</b>	HM 30/1060	MS 30/1000	HMV 212	230/1060 CAK/W33	
			100	125	15	25	Tr I060x8	G 1/4	571	<b>OH 30/1060</b>	HM 30/1060	MS 30/1000	HMV 212	230/1060 CAK/W33	
			100	125	15	25	Tr I060x8	G 1/4	571	<b>OH 30/1060 B</b>	HM 30/1060	MS 30/1000	HMV 212	230/1060 CAK/W33	
			100	125	-	-	Tr I060x8	-	571	<b>H 30/1060</b>	HM 30/1060	MS 30/1000	HMV 212	230/1060 CAK/W33	
	1 300	622	125	154	15	12	Tr I060x8	G 1/4	984	<b>OH 31/1060 H</b>	HM 31/1060	MS 31/1000	HMV 212	231/1060 CAK/W33	
			125	154	15	12	Tr I060x8	G 1/4	984	<b>OH 31/1060 HB</b>	HM 31/1060	MS 31/1000	HMV 212	231/1060 CAK/W33	
			125	154	15	31	Tr I060x8	G 1/4	984	<b>OH 31/1060</b>	HM 31/1060	MS 31/1000	HMV 212	231/1060 CAK/W33	
			125	154	15	31	Tr I060x8	G 1/4	984	<b>OH 31/1060 B</b>	HM 31/1060	MS 31/1000	HMV 212	231/1060 CAK/W33	
			125	154	-	-	Tr I060x8	-	984	<b>H 31/1060</b>	HM 31/1060	MS 31/1000	HMV 212	231/1060 CAK/W33	

# Accessories (metric series)

Adapter sleeves  
for shafts with inch dimensions  
 $d_1$   $\frac{3}{4}$  —  $1\frac{11}{16}$  in

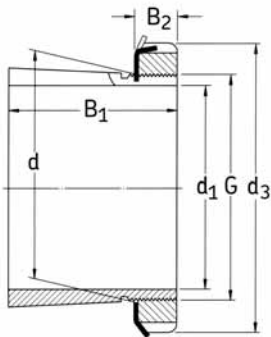


Type HA, HE, HS

Dimensions						Mass	Designations Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
$d_1$	d	$d_3$	$B_1$	$B_2$	G						
in						kg	—				
$\frac{3}{4}$	25	38	26	8	M 25x1.5	0.07	<b>HE 205</b>	KM 5	MB 5	-	1205 EK
		38	29	8	M 25x1.5	0.08	<b>HE 305</b>	KM 5	MB 5	-	2205 EK, 1305 EK
		38	35	8	M 25x1.5	0.09	<b>HE 2305</b>	KM 5	MB 5	-	2305 K
$\frac{7}{8}$	30	45	27	8	M 30x1.5	0.11	<b>HS 206</b>	KM 6	MB 6	-	1206 EK
		45	31	8	M 30x1.5	0.12	<b>HS 306</b>	KM 6	MB 6	-	2206 EK, 1306 EK
$\frac{15}{16}$	30	45	27	8	M 30x1.5	0.1	<b>HA 206</b>	KM 6	MB 6	-	1206 EK
		45	31	8	M 30x1.5	0.12	<b>HA 306</b>	KM 6	MB 6	-	2206 EK, 1306 EK
		45	38	8	M 30x1.5	0.13	<b>HA 2306</b>	KM 6	MB 6	-	2306 K
1	30	45	27	8	M 30x1.5	0.08	<b>HE 206</b>	KM 6	MB 6	-	1206 EK
		45	31	8	M 30x1.5	0.1	<b>HE 306</b>	KM 6	MB 6	-	2206 EK, 1306 EK
		45	38	8	M 30x1.5	0.11	<b>HE 2306</b>	KM 6	MB 6	-	2306 K
$1\frac{1}{8}$	35	52	29	9	M 35x1.5	0.14	<b>HS 207</b>	KM 7	MB 7	-	1207 EK
		52	35	9	M 35x1.5	0.16	<b>HS 307</b>	KM 7	MB 7	-	2207 EK, 1307 EK, 22207 EK
$1\frac{3}{16}$	35	52	29	9	M 35x1.5	0.12	<b>HA 207</b>	KM 7	MB 7	-	1207 EK
		52	35	9	M 35x1.5	0.14	<b>HA 307</b>	KM 7	MB 7	-	2207 EK, 1307 EK, 22207 EK
		52	43	9	M 35x1.5	0.16	<b>HA 2307</b>	KM 7	MB 7	-	2307 EK
$1\frac{1}{4}$	40	58	31	10	M 40x1.5	0.19	<b>HE 208</b>	KM 8	MB 8	-	1208 EK
		58	36	10	M 40x1.5	0.22	<b>HE 308</b>	KM 8	MB 8	-	2208 EK, 1308 EK, 22208 EK, 21308 CCK
		58	46	10	M 40x1.5	0.28	<b>HE 2308</b>	KM 8	MB 8	-	2308 EK, 22308 EK
$1\frac{3}{8}$	40	58	31	10	M 40x1.5	0.16	<b>HS 208</b>	KM 8	MB 8	-	1208 EK
		58	36	10	M 40x1.5	0.17	<b>HS 308</b>	KM 8	MB 8	-	2208 EK, 1308 EK, 22208 EK, 21308 CCK
$1\frac{7}{16}$	45	65	33	11	M 45x1.5	0.26	<b>HA 209</b>	KM 9	MB 9	-	1209 EK
		65	39	11	M 45x1.5	0.29	<b>HA 309</b>	KM 9	MB 9	-	2209 EK, 1309 EK, 22209 EK, 21309 CCK
		65	50	11	M 45x1.5	0.35	<b>HA 2309</b>	KM 9	MB 9	-	2309 EK, 22309 EK
$1\frac{1}{2}$	45	65	33	11	M 45x1.5	0.2	<b>HE 209</b>	KM 9	MB 9	-	1209 EK
		65	39	11	M 45x1.5	0.24	<b>HE 309</b>	KM 9	MB 9	-	2209 EK, 1309 EK, 22209 EK, 21309 CCK
		65	50	11	M 45x1.5	0.31	<b>HE 2309</b>	KM 9	MB 9	-	2309 EK, 22309 EK
$1\frac{5}{8}$	50	70	35	12	M 50x1.5	0.31	<b>HS 210</b>	KM 10	MB 10	HMV 10	1210 EK
		70	42	12	M 50x1.5	0.36	<b>HS 310</b>	KM 10	MB 10	HMV 10	2210 EK, 1310 EK, 22210 EK, 21310 CCK
		70	55	12	M 50x1.5	0.4	<b>HS 2310</b>	KM 10	MB 10	HMV 10	2310 EK, 22310 EK
$1\frac{11}{16}$	50	70	35	12	M 50x1.5	0.28	<b>HA 210</b>	KM 10	MB 10	HMV 10	1210 EK
		70	42	12	M 50x1.5	0.32	<b>HA 310</b>	KM 10	MB 10	HMV 10	2210 EK, 1310 EK, 22210 EK, 21310 CCK
		70	55	12	M 50x1.5	0.4	<b>HA 2310</b>	KM 10	MB 10	HMV 10	2310 EK, 22310 EK

Consult SKF USA Inc. prior to design change or order placement.

Adapter sleeves  
for shafts with inch dimensions  
 $d_1$  1<sup>3</sup>/<sub>4</sub> — 2<sup>11</sup>/<sub>16</sub> in



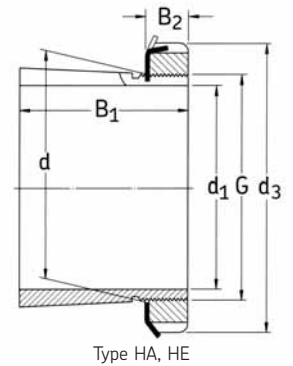
Type HA, HE, HS

Dimensions						Mass	Designations Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
$d_1$	d	$d_3$	$B_1$	$B_2$	G						
in						kg	—				
1 <sup>3</sup> / <sub>4</sub>	50	70	35	12	M 50x1.5	0.26	<b>HE 210</b>	KM 10	MB 10	HMV 10	1210 EK
		70	42	12	M 50x1.5	0.29	<b>HE 310</b>	KM 10	MB 10	HMV 10	2210 EK, 1310 EK, 22210 EK, 21310 CCK
		70	55	12	M 50x1.5	0.36	<b>HE 2310</b>	KM 10	MB 10	HMV 10	2310 EK, 22310 EK
1 <sup>7</sup> / <sub>8</sub>	55	75	37	12.5	M 55x2	0.33	<b>HS 211</b>	KM 11	MB 11	HMV 11	1211 EK
		75	45	12.5	M 55x2	0.38	<b>HS 311</b>	KM 11	MB 11	HMV 11	2211 EK, 1311 EK, 22211 EK, 21311 CCK
1 <sup>15</sup> / <sub>16</sub>	55	75	37	12.5	M 55x2	0.3	<b>HA 211</b>	KM 11	MB 11	HMV 11	1211 EK
		75	45	12.5	M 55x2	0.34	<b>HA 311</b>	KM 11	MB 11	HMV 11	2211 EK, 1311 EK, 22211 EK, 21311 CCK
		75	59	12.5	M 55x2	0.42	<b>HA 2311</b>	KM 11	MB 11	HMV 11	2311 K, 22311 EK
2	55	75	37	12.5	W 55x1/19	0.26	<b>HE 211 B</b>	HM 11	MB 11	-	1211 EK
		75	45	12.5	W 55x1/19	0.29	<b>HE 311 B</b>	HM 11	MB 11	-	2211 EK, 1311 EK, 22211 EK, 21311 CCK
		75	59	12.5	W 55x1/19	0.36	<b>HE 2311 B</b>	HM 11	MB 11	-	2311 K, 22311 EK
2 <sup>1</sup> / <sub>8</sub>	60	80	38	13	M 60x2	0.35	<b>HS 212</b>	KM 12	MB 12	HMV 12	1212 EK
		80	47	13	M 60x2	0.4	<b>HS 312</b>	KM 12	MB 12	HMV 12	2212 EK, 1312 EK, 22212 EK, 21312 CCK
		80	62	13	M 60x2	0.49	<b>HS 2312</b>	KM 12	MB 12	HMV 12	2312 K, 22312 EK
2 <sup>3</sup> / <sub>16</sub>	65	85	40	14	M 65x2	0.49	<b>HA 213</b>	KM 13	MB 13	HMV 13	1213 EK
		85	50	14	M 65x2	0.58	<b>HA 313</b>	KM 13	MB 13	HMV 13	2213 EK, 1313 EK, 22213 EK, 21313 CCK
		85	65	14	M 65x2	0.75	<b>HA 2313</b>	KM 13	MB 13	HMV 13	2313 K, 22313 EK
2 <sup>1</sup> / <sub>4</sub>	65	85	40	14	M 65x2	0.44	<b>HE 213</b>	KM 13	MB 13	HMV 13	1213 EK
		85	50	14	M 65x2	0.52	<b>HE 313</b>	KM 13	MB 13	HMV 13	2213 EK, 1313 EK, 22213 EK, 21313 CCK
		85	65	14	M 65x2	0.65	<b>HE 2313</b>	KM 13	MB 13	HMV 13	2313 K, 22313 EK
2 <sup>3</sup> / <sub>8</sub>	65	85	40	14	M 65x2	0.44	<b>HS 213</b>	KM 13	MB 13	HMV 13	1213 EK
		85	50	14	M 65x2	0.71	<b>HS 313</b>	KM 13	MB 13	HMV 13	2213 EK, 1313 EK, 22213 EK, 21313 CCK
		85	65	14	M 65x2	0.80	<b>HS 2313</b>	KM 13	MB 13	HMV 13	2313 K, 22313 EK
2 <sup>7</sup> / <sub>16</sub>	75	98	43	15	M 75x2	0.75	<b>HA 215</b>	KM 15	MB 15	HMV 15	1215 K
		98	55	15	M 75x2	0.91	<b>HA 315</b>	KM 15	MB 15	HMV 15	2215 K, 1315 K, 22215 EK, 21315 CCK
		98	73	15	M 75x2	1.15	<b>HA 2315</b>	KM 15	MB 15	HMV 15	2315 K, 22315 EK
2 <sup>1</sup> / <sub>2</sub>	75	98	43	15	M 75x2	0.7	<b>HE 215</b>	KM 15	MB 15	HMV 15	1215 K
		98	55	15	M 75x2	0.85	<b>HE 315</b>	KM 15	MB 15	HMV 15	2215 K, 1315 K, 22215 EK, 21315 CCK
		98	73	15	M 75x2	1.09	<b>HE 2315</b>	KM 15	MB 15	HMV 15	2315 K, 22315 EK
2 <sup>5</sup> / <sub>8</sub>	75	98	43	15	M 75x2	0.7	<b>HS 215</b>	KM 15	MB 15	HMV 15	1215 K
		98	55	15	M 75x2	0.71	<b>HS 315</b>	KM 15	MB 15	HMV 15	2215 K, 1315 K, 22215 EK, 21315 CCK
		98	73	15	M 75x2	0.9	<b>HS 2315</b>	KM 15	MB 15	HMV 15	2315 K, 22315 EK
2 <sup>11</sup> / <sub>16</sub>	80	105	46	17	M 80x2	0.87	<b>HA 216</b>	KM 16	MB 16	HMV 16	1216 K
		105	59	17	M 80x2	1.05	<b>HA 316</b>	KM 16	MB 16	HMV 16	2216 EK, 1316 K, 22216 EK, 21316 CCK
		105	78	17	M 80x2	1.3	<b>HA 2316</b>	KM 16	MB 16	HMV 16	2316 K, 22316 EK

Consult SKF USA Inc. prior to design change or order placement.

# Accessories (metric series)

Adapter sleeves  
for shafts with inch dimensions  
d<sub>1</sub> 2<sup>3</sup>/<sub>4</sub> — 4 in

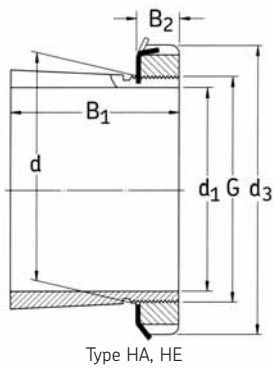


Dimensions						Mass	Designations Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
d <sub>1</sub>	d	d <sub>3</sub>	B <sub>1</sub>	B <sub>2</sub>	G						
in						kg	—				
2 <sup>3</sup> / <sub>4</sub>	80	105	46	17	M 80x2	0.81	<b>HE 216</b>	KM 16	MB 16	HMV 16	1216 K
		105	59	17	M 80x2	0.97	<b>HE 316</b>	KM 16	MB 16	HMV 16	2216 EK, 1316 K, 22216 EK, 21316 CCK
		105	78	17	M 80x2	1.2	<b>HE 2316</b>	KM 16	MB 16	HMV 16	2316 K, 22316 EK
2 <sup>15</sup> / <sub>16</sub>	85	110	50	18	M 85x2	0.94	<b>HA 217</b>	KM 17	MB 17	HMV 17	1217 K
		110	63	18	M 85x2	1.1	<b>HA 317</b>	KM 17	MB 17	HMV 17	2217 K, 1317 K, 22217 EK, 21317 CCK
		110	82	18	M 85x2	1.4	<b>HA 2317</b>	KM 17	MB 17	HMV 17	2317 K, 22317 EK
3	85	110	50	18	M 85x2	0.87	<b>HE 217</b>	KM 17	MB 17	HMV 17	1217 K
		110	63	18	M 85x2	1	<b>HE 317</b>	KM 17	MB 17	HMV 17	2217 K, 1317 K, 22217 EK, 21317 CCK
		110	82	18	M 85x2	1.3	<b>HE 2317</b>	KM 17	MB 17	HMV 17	2317 K, 22317 EK
3 <sup>1</sup> / <sub>16</sub>	90	120	52	18	M 90x2	1.05	<b>HA 218</b>	KM 18	MB 18	HMV 18	1218 K
		120	65	18	M 90x2	1.25	<b>HA 318</b>	KM 18	MB 18	HMV 18	2218 K, 1318 K, 22218 EK, 21318 CCK
		120	86	18	M 90x2	1.5	<b>HA 2318</b>	KM 18	MB 18	HMV 18	2318 K, 23218 CCK/W33, 22318 EK
3 <sup>1</sup> / <sub>4</sub>	90	120	52	18	M 90x2	0.97	<b>HE 218</b>	KM 18	MB 18	HMV 18	1218 K
		120	65	18	M 90x2	1.1	<b>HE 318</b>	KM 18	MB 18	HMV 18	2218 K, 1318 K, 22218 EK, 21318 CCK
		120	86	18	M 90x2	1.4	<b>HE 2318</b>	KM 18	MB 18	HMV 18	2318 K, 23218 CCK/W33, 22318 EK
	95	125	55	19	M 95x2	1.35	<b>HE 219</b>	KM 19	MB 19	HMV 19	1219 K
		125	68	19	M 95x2	1.6	<b>HE 319</b>	KM 19	MB 19	HMV 19	2219 K, 1319 K, 22219 EK, 21319 CCK
		125	90	19	M 95x2	2	<b>HE 2319</b>	KM 19	MB 19	HMV 19	2319 K, 22319 EK
3 <sup>7</sup> / <sub>16</sub>	100	130	58	20	M 100x2	1.55	<b>HA 220</b>	KM 20	MB 20	HMV 20	1220 K
		130	71	20	M 100x2	1.8	<b>HA 320</b>	KM 20	MB 20	HMV 20	2220 K, 1320 K, 22220 EK, 21320 CCK
		130	97	20	M 100x2	2.35	<b>HA 2320</b>	KM 20	MB 20	HMV 20	2320 K, 23220 CCK/W33, 22320 EK
3 <sup>1</sup> / <sub>2</sub>	100	130	58	20	M 100x2	1.45	<b>HE 220</b>	KM 20	MB 20	HMV 20	1220 K
		130	71	20	M 100x2	1.75	<b>HE 320</b>	KM 20	MB 20	HMV 20	2220 K, 1320 K, 22220 EK, 21320 CCK
		130	97	20	M 100x2	2.2	<b>HE 2320</b>	KM 20	MB 20	HMV 20	2320 K, 23220 CCK/W33, 22320 EK
		130	76	20	M 100x2	1.8	<b>HE 3120</b>	KM 20	MB 20	HMV 20	23120 CCK/W33
3 <sup>11</sup> / <sub>16</sub>	105	140	60	20	M 105x2	1.7	<b>HA 221</b>	KM 21	MB 21	HMV 21	1221 K
		140	74	20	M 105x2	1.95	<b>HA 321</b>	KM 21	MB 21	HMV 21	2221 K, 1321 K
3 <sup>3</sup> / <sub>4</sub>	105	140	60	20	M 105x2	1.58	<b>HE 221</b>	KM 21	MB 21	HMV 21	1221 K
		140	74	20	M 105x2	1.83	<b>HE 321</b>	KM 21	MB 21	HMV 21	2221 K, 1321 K
4	110	145	63	21	M 110x2	1.65	<b>HE 222</b>	KM 22	MB 22	HMV 22	1222 K
		145	77	21	M 110x2	1.9	<b>HE 322</b>	KM 22	MB 22	HMV 22	2222 K, 1322 K, 23022 CCK, 22222 EK
		145	105	21	M 110x2	2.4	<b>HE 2322</b>	KM 22	MB 22	HMV 22	21322 CCK
	145	81	21	M 110x2	2.25	<b>HE 3122</b>	KM 22	MB 22	HMV 22	2322 K, 23222 CCK/W33, 22322 EK	

Consult SKF USA Inc. prior to design change or order placement.



Adapter sleeves  
for shafts with inch dimensions  
 $d_1$  4<sup>3</sup>/<sub>16</sub> — 6 in

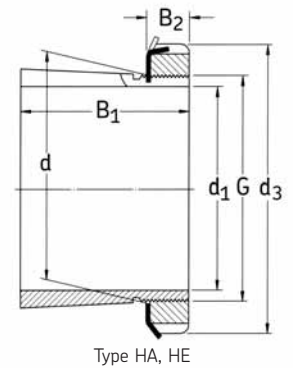


Dimensions						Mass	Designations Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
$d_1$	d	$d_3$	$B_1$	$B_2$	G						
in						kg	—				
4 <sup>3</sup> / <sub>16</sub>	120	145	72	22	M 120x2	2.25	<b>HA 3024</b>	KML 24	MBL 24	HMV 24	1224 K, 23024 CCK/W33
		155	88	22	M 120x2	2.9	<b>HA 3124</b>	KM 24	MB 24	HMV 24	2224 K, 23124 CCK/W33
		155	112	22	M 120x2	3.6	<b>HA 2324</b>	KM 24	MB 24	HMV 24	23224 CCK/W33, 22324 CCK/W33
4 <sup>1</sup> / <sub>4</sub>	120	145	72	22	M 120x2	2	<b>HE 3024</b>	KML 24	MBL 24	HMV 24	1224 K, 23024 CCK/W33
		155	88	22	M 120x2	2.8	<b>HE 3124</b>	KM 24	MB 24	HMV 24	23124 CCK/W33, 22224 EK
		155	112	22	M 120x2	3.35	<b>HE 2324</b>	KM 24	MB 24	HMV 24	23224 CCK/W33, 22324 CCK/W33
4 <sup>7</sup> / <sub>16</sub>	130	155	80	23	M 130x2	2.85	<b>HA 3026</b>	KML 26	MBL 26	HMV 26	23026 CCK/W33
		165	92	23	M 130x2	3.75	<b>HA 3126</b>	KM 26	MB 26	HMV 26	23126 CCK/W33, 22226 EK
		165	121	23	M 130x2	4.75	<b>HA 2326</b>	KM 26	MB 26	HMV 26	23226 CCK/W33, 22326 CCK/W33
4 <sup>1</sup> / <sub>2</sub>	130	155	80	23	M 130x2	2.9	<b>HE 3026</b>	KML 26	MBL 26	HMV 26	23026 CCK/W33
		165	92	23	M 130x2	3.6	<b>HE 3126</b>	KM 26	MB 26	HMV 26	23126 CCK/W33, 22226 EK
		165	121	23	M 130x2	4.55	<b>HE 2326</b>	KM 26	MB 26	HMV 26	23226 CCK/W33, 22326 CCK/W33
4 <sup>15</sup> / <sub>16</sub>	140	165	82	24	M 140x2	3	<b>HA 3028</b>	KML 28	MBL 28	HMV 28	23028 CCK/W33
		180	97	24	M 140x2	4.1	<b>HA 3128</b>	KM 28	MB 28	HMV 28	23128 CCK/W33, 22228 CCK/W33
		180	131	24	M 140x2	5.3	<b>HA 2328</b>	KM 28	MB 28	HMV 28	23228 CCK/W33, 22328 CCK/W33
5	140	165	82	24	M 140x2	2.8	<b>HE 3028</b>	KML 28	MBL 28	HMV 28	23028 CCK/W33
		180	97	24	M 140x2	3.15	<b>HE 3128</b>	KM 28	MB 28	HMV 28	23128 CCK/W33, 22228 CCK/W33
		180	131	24	M 140x2	5	<b>HE 2328</b>	KM 28	MB 28	HMV 28	23228 CCK/W33, 22328 CCK/W33
5 <sup>3</sup> / <sub>16</sub>	150	180	87	26	M 150x2	4.7	<b>HA 3030</b>	KML 30	MBL 30	HMV 30	23030 CCK/W33
		195	111	26	M 150x2	5.8	<b>HA 3130</b>	KM 30	MB 30	HMV 30	23130 CCK/W33, 22230 CCK/W33
		195	139	26	M 150x2	7.1	<b>HA 2330</b>	KM 30	MB 30	HMV 30	23230 CCK/W33, 22330 CCK/W33
5 <sup>1</sup> / <sub>4</sub>	150	180	87	26	M 150x2	4.65	<b>HE 3030</b>	KML 30	MBL 30	HMV 30	23030 CCK/W33
		195	111	26	M 150x2	5.5	<b>HE 3130</b>	KM 30	MB 30	HMV 30	23130 CCK/W33, 22230 CCK/W33
		195	139	26	M 150x2	6.8	<b>HE 2330</b>	KM 30	MB 30	HMV 30	23230 CCK/W33, 22330 CCK/W33
5 <sup>7</sup> / <sub>16</sub>	160	190	93	27.5	M 160x3	5.2	<b>HA 3032</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33
		210	119	28	M 160x3	7.55	<b>HA 3132</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33
		210	147	28	M 160x3	9.4	<b>HA 2332</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33
5 <sup>1</sup> / <sub>2</sub>	160	190	93	27.5	M 160x3	5.1	<b>HE 3032</b>	KML 32	MBL 32	HMV 32	23032 CCK/W33
		210	119	28	M 160x3	7.3	<b>HE 3132</b>	KM 32	MB 32	HMV 32	23132 CCK/W33, 22232 CCK/W33
		210	147	28	M 160x3	8.8	<b>HE 2332</b>	KM 32	MB 32	HMV 32	23232 CCK/W33, 22332 CCK/W33
5 <sup>15</sup> / <sub>16</sub>	170	200	101	28.5	M 170x3	5.7	<b>HA 3034</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33
		220	122	29	M 170x3	7.8	<b>HA 3134</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33
		220	154	29	M 170x3	9.6	<b>HA 2334</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33
6	170	200	101	28.5	M 170x3	5.4	<b>HE 3034</b>	KML 34	MBL 34	HMV 34	23034 CCK/W33
		220	122	29	M 170x3	7.55	<b>HE 3134</b>	KM 34	MB 34	HMV 34	23134 CCK/W33, 22234 CCK/W33
		220	154	29	M 170x3	9.2	<b>HE 2334</b>	KM 34	MB 34	HMV 34	23234 CCK/W33, 22334 CCK/W33

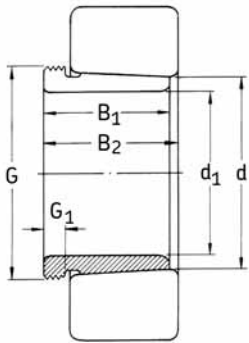
Consult SKF USA Inc. prior to design change or order placement.

## Accessories (metric series)

Adapter sleeves  
for shafts with inch dimensions  
 $d_1$   $6\frac{7}{16}$  —  $7\frac{3}{16}$  in



Dimensions						Mass	Designations Adapter sleeve with lock nut and locking device	Lock nut	Locking device	Appropriate hydraulic nut	Bearing(s)
$d_1$	d	$d_3$	$B_1$	$B_2$	G						
in						kg	—				
$6\frac{7}{16}$	180	210	109	29.5	M 180x3	6.85	<b>HA 3036</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33
		230	131	30	M 180x3	8.15	<b>HA 3136</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33
		230	161	30	M 180x3	9.9	<b>HA 2336</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
$6\frac{1}{2}$	180	210	109	29.5	M 180x3	5.55	<b>HE 3036</b>	KML 36	MBL 36	HMV 36	23036 CCK/W33
		230	131	30	M 180x3	7.8	<b>HE 3136</b>	KM 36	MB 36	HMV 36	23136 CCK/W33, 22236 CCK/W33
		230	161	30	M 180x3	9.35	<b>HE 2336</b>	KM 36	MB 36	HMV 36	23236 CCK/W33, 22336 CCK/W33
$6\frac{3}{4}$	190	220	112	30.5	M 190x3	7.2	<b>HE 3038</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33
		240	141	31	M 190x3	10.2	<b>HE 3138</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
		240	169	31	M 190x3	11.7	<b>HE 2338</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
$6\frac{5}{16}$	190	220	112	30.5	M 190x3	7.2	<b>HA 3038</b>	KML 38	MBL 38	HMV 38	23038 CCK/W33
		240	141	31	M 190x3	8.5	<b>HA 3138</b>	KM 38	MB 38	HMV 38	23138 CCK/W33, 22238 CCK/W33
		240	169	31	M 190x3	10	<b>HA 2338</b>	KM 38	MB 38	HMV 38	23238 CCK/W33, 22338 CCK/W33
7	200	240	120	31.5	M 200x3	9.35	<b>HE 3040</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
		250	150	32	M 200x3	12.3	<b>HE 3140</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33
		250	176	32	M 200x3	14.2	<b>HE 2340</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33
$7\frac{3}{16}$	200	240	120	31.5	M 200x3	8.5	<b>HA 3040</b>	KML 40	MBL 40	HMV 40	23040 CCK/W33
		250	150	32	M 200x3	10.8	<b>HA 3140</b>	KM 40	MB 40	HMV 40	23140 CCK/W33, 22240 CCK/W33
		250	176	32	M 200x3	12.6	<b>HA 2340</b>	KM 40	MB 40	HMV 40	23240 CCK/W33, 22340 CCK/W33



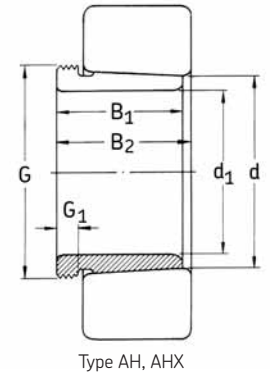
Type AH, AHX

Dimensions					Mass	Designations							
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	Withdrawal sleeve	Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)		
mm					kg	—							
35	40	29	32	M 45x1.5	6	0.09	<b>AH 308</b>	KM 9	-	KM 7	MB 7	2208 EK, 1308 EK, 22208 EK, 21308 CCK 2308 EK, 22308 EK	
		40	43	M 45x1.5	7	0.13	<b>AH 2308</b>	KM 9	-	KM 7	MB 7		
40	45	31	34	M 50x1.5	6	0.12	<b>AH 309</b>	KM 10	HMV 10	KM 8	MB 8	2209 EK, 1309 EK, 22209 EK, 21309 CCK 2309 EK, 22309 EK	
		44	47	M 50x1.5	7	0.16	<b>AH 2309</b>	KM 10	HMV 10	KM 8	MB 8		
45	50	35	38	M 55x2	7	0.13	<b>AHX 310</b>	KM 11	HMV 11	KM 9	MB 9	2210 EK, 1310 EK, 22210 EK, 21310 CCK 2310 K, 22310 EK	
		50	53	M 55x2	9	0.19	<b>AHX 2310</b>	KM 11	HMV 11	KM 9	MB 9		
50	55	37	40	M 60x2	7	0.16	<b>AHX 311</b>	KM 12	HMV 12	KM 10	MB 10	2211 EK, 1311 EK, 22211 EK, 21311 CCK 2311 K, 22311 EK	
		54	57	M 60x2	10	0.26	<b>AHX 2311</b>	KM 12	HMV 12	KM 10	MB 10		
55	60	40	43	M 65x2	8	0.19	<b>AHX 312</b>	KM 13	HMV 13	KM 11	MB 11	2212 EK, 1312 EK, 22212 EK, 21312 CCK 2312 K, 22312 EK	
		58	61	M 65x2	11	0.3	<b>AHX 2312</b>	KM 13	HMV 13	KM 11	MB 11		
60	65	42	45	M 70x2	8	0.23	<b>AH 313 G</b>	KM 14	HMV 14	KM 12	MB 12	2213 EK, 1313 EK, 22213 EK, 21313 CCK 2313 K, 22313 EK	
		61	64	M 70x2	12	0.36	<b>AH 2313 G</b>	KM 14	HMV 14	KM 12	MB 12		
65	70	43	47	M 75x2	8	0.25	<b>AH 314 G</b>	KM 15	HMV 15	KM 13	MB 13	22214 EK, 21314 CCK 22314 EK	
		64	68	M 75x2	12	0.42	<b>AHX 2314 G</b>	KM 15	HMV 15	KM 13	MB 13		
70	75	45	49	M 80x2	8	0.3	<b>AH 315 G</b>	KM 16	HMV 16	KM 14	MB 14	2215 K, 1315 K, 22215 EK, 21315 CCK 2315 K, 22315 EK	
		68	72	M 80x2	12	0.48	<b>AHX 2315 G</b>	KM 16	HMV 16	KM 14	MB 14		
75	80	48	52	M 90x2	8	0.37	<b>AH 316</b>	KM 18	HMV 18	KM 15	MB 15	2216 EK, 1316 K, 22216 EK, 21316 CCK 2316 K, 22316 EK	
		71	75	M 90x2	12	0.57	<b>AHX 2316</b>	KM 18	HMV 18	KM 15	MB 15		
80	85	52	56	M 95x2	9	0.43	<b>AHX 317</b>	KM 19	HMV 19	KM 16	MB 16	2217 K, 1317 K, 22217 EK, 21317 CCK 2317 K, 22317 EK	
		74	78	M 95x2	13	0.65	<b>AHX 2317</b>	KM 19	HMV 19	KM 16	MB 16		
85	90	53	57	M 100x2	9	0.46	<b>AHX 318</b>	KM 20	HMV 20	KM 17	MB 17	2218 K, 1318 K, 22218 EK, 21318 CCK 2318 K, 22318 EK 23218 CCK/W33	
		79	83	M 100x2	14	0.76	<b>AHX 2318</b>	KM 20	HMV 20	KM 17	MB 17		
		63	67	M 100x2	10	0.57	<b>AHX 3218</b>	KM 20	HMV 20	KM 17	MB 17		
90	95	57	61	M 105x2	10	0.54	<b>AHX 319</b>	KM 21	HMV 21	KM 18	MB 18	2219 K, 1319 K, 22219 EK, 21319 CCK 2319 K, 22319 EK	
		85	89	M 105x2	16	0.9	<b>AHX 2319</b>	KM 21	HMV 21	KM 18	MB 18		
95	100	59	63	M 110x2	10	0.58	<b>AHX 320</b>	KM 22	HMV 22	KM 19	MB 19	2220 K, 1320 K, 22220 EK, 21320 CCK 23120 CCK/W33 23220 CCK/W33 2320 K, 22320 EK	
		64	68	M 110x2	11	0.66	<b>AHX 3120</b>	KM 22	HMV 22	KM 19	MB 19		
		73	77	M 110x2	11	0.76	<b>AHX 3220</b>	KM 22	HMV 22	KM 19	MB 19		
		90	94	M 110x2	16	1	<b>AHX 2320</b>	KM 22	HMV 22	KM 19	MB 19		

1) Width before the sleeve is pressed into the bearing bore

# Accessories (metric series)

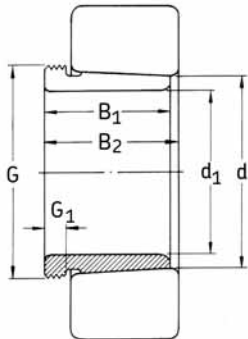
Withdrawal sleeves  
d<sub>1</sub> 105 — 150 mm



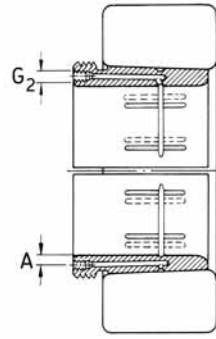
Dimensions					Mass	Designations	Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)	
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	Withdrawal sleeve						
mm					kg	—						
105	110	63	67	M 120x2	12	0.77	<b>AHX 322</b>	KM 24	HMV 24	KM 21	MB 21	1322 K, 21322 CCK
		98	102	M 120x2	16	1.28	<b>AHX 2322 G</b>	KM 24	HMV 24	KM 21	MB 21	2322 K, 22322 EK
		68	72	M 120x2	11	0.76	<b>AHX 3122</b>	KM 24	HMV 24	KM 21	MB 21	2222 K, 23122 CCK/W33, 22222 EK, 21322 CCK
		82	86	M 120x2	11	1	<b>AHX 3222 G</b>	KM 24	HMV 24	KM 21	MB 21	23222 CCK/W33
		82	91	M 115x2	13	0.71	<b>AH 24122</b>	KM 23	HMV 23	KM 21	MB 21	24122 CCK30/W33
115	120	105	109	M 130x2	17	1.53	<b>AHX 2324 G</b>	KM 26	HMV 26	KM 22	MB 22	22324 CCK/W33
		60	64	M 130x2	13	0.73	<b>AHX 3024</b>	KM 26	HMV 26	KM 22	MB 22	23024 CCK/W33
		75	79	M 130x2	12	0.94	<b>AHX 3124</b>	KM 26	HMV 26	KM 22	MB 22	23124 CCK/W33, 22224 EK
		90	94	M 130x2	13	1.70	<b>AHX 3224 G</b>	KM 26	HMV 26	KM 22	MB 22	23224 CCK/W33
		73	82	M 125x2	13	0.70	<b>AH 24024</b>	KM 25	HMV 25	KM 22	MB 22	24024 CCK30/W33
		93	102	M 130x2	13	1	<b>AH 24124</b>	KM 26	HMV 26	KM 22	MB 22	24124 CCK30/W33
125	130	115	119	M 140x2	19	1.9	<b>AHX 2326 G</b>	KM 28	HMV 28	KM 24	MB 24	22326 CCK/W33
		67	71	M 140x2	14	0.91	<b>AHX 3026</b>	KM 28	HMV 28	KM 24	MB 24	23026 CCK/W33
		78	82	M 140x2	12	1.1	<b>AHX 3126</b>	KM 28	HMV 28	KM 24	MB 24	23126 CCK/W33, 22226 EK
		98	102	M 140x2	15	1.5	<b>AHX 3226 G</b>	KM 28	HMV 28	KM 24	MB 24	23226 CCK/W33
		83	93	M 135x2	14	0.88	<b>AH 24026</b>	KM 27	HMV 27	KM 24	MB 24	24026 CCK30/W33
		94	104	M 140x2	14	1.15	<b>AH 24126</b>	KM 28	HMV 28	KM 24	MB 24	24126 CCK30/W33
135	140	125	130	M 150x2	20	2.25	<b>AHX 2328 G</b>	KM 30	HMV 30	KM 26	MB 26	22328 CCK/W33
		68	73	M 150x2	14	1	<b>AHX 3028</b>	KM 30	HMV 30	KM 26	MB 26	23028 CCK/W33
		83	88	M 150x2	14	1.3	<b>AHX 3128</b>	KM 30	HMV 30	KM 26	MB 26	23128 CCK/W33, 22228 EK
		104	109	M 150x2	15	1.8	<b>AHX 3228 G</b>	KM 30	HMV 30	KM 26	MB 26	23228 CCK/W33
		83	93	M 145x2	14	0.95	<b>AH 24028</b>	KM 29	HMV 29	KM 26	MB 26	24028 CCK30/W33
		99	109	M 150x2	14	1.3	<b>AH 24128</b>	KM 30	HMV 30	KM 26	MB 26	24128 CCK30/W33
145	150	135	140	M 160x3	24	3.7	<b>AHX 2330 G</b>	KM 32	HMV 32	KM 28	MB 28	22330 CCK/W33
		72	77	M 160x3	15	1.15	<b>AHX 3030</b>	KM 32	HMV 32	KM 28	MB 28	23030 CCK/W33
		96	101	M 160x3	15	1.7	<b>AHX 3130 G</b>	KM 32	HMV 32	KM 28	MB 28	23130 CCK/W33, 22230 CCK/W33
		114	119	M 160x3	17	2.10	<b>AHX 3230 G</b>	KM 32	HMV 32	KM 28	MB 28	23230 CCK/W33
		90	101	M 155x3	15	1.05	<b>AH 24030</b>	KM 31	HMV 31	KM 28	MB 28	24030 CCK30/W33
		115	126	M 160x3	15	1.55	<b>AH 24130</b>	KM 32	HMV 32	KM 28	MB 28	24130 CCK30/W33
150	160	140	146	M 170x3	24	4.3	<b>AH 2332 G</b>	KM 34	HMV 34	KM 30	MB 30	22332 CCK/W33
		77	82	M 170x3	16	2.05	<b>AH 3032</b>	KM 34	HMV 34	KM 30	MB 30	23032 CCK/W33
		103	108	M 170x3	16	3	<b>AH 3132 G</b>	KM 34	HMV 34	KM 30	MB 30	23132 CCK/W33, 22232 CCK/W33
		124	130	M 170x3	20	3.7	<b>AH 3232 G</b>	KM 34	HMV 34	KM 30	MB 30	23232 CCK/W33
		95	106	M 170x3	15	2.3	<b>AH 24032</b>	KM 34	HMV 34	KM 30	MB 30	24032 CCK30/W33
		124	135	M 170x3	15	3	<b>AH 24132</b>	KM 34	HMV 34	KM 30	MB 30	24132 CCK30/W33

<sup>1)</sup> Width before the sleeve is pressed into the bearing bore

Withdrawal sleeves  
d<sub>1</sub> 160 — 200 mm



Type AH



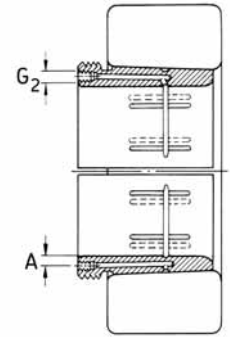
Type AOH

Dimensions					Mass		Designations		Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)	
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	G <sub>2</sub>	A	Withdrawal sleeve						
mm					in		mm	kg	—					
160	170	146	152	M 180x3	24	-	-	4.85	<b>AH 2334 G</b>	KM 36	HMV 36	KM 32	MB 32	22334 CCK/W33
		85	90	M 180x3	17	-	-	2.45	<b>AH 3034</b>	KM 36	HMV 36	KM 32	MB 32	23034 CCK/W33
		104	109	M 180x3	16	-	-	3.2	<b>AH 3134 G</b>	KM 36	HMV 36	KM 32	MB 32	23134 CCK/W33, 22234 CCK/W33
	170	134	140	M 180x3	24	-	-	4.35	<b>AH 3234 G</b>	KM 36	HMV 36	KM 32	MB 32	23234 CCK/W33
		106	117	M 180x3	16	-	-	2.7	<b>AH 24034</b>	KM 36	HMV 36	KM 32	MB 32	24034 CCK30/W33
		125	136	M 180x3	16	-	-	3.25	<b>AH 24134</b>	KM 36	HMV 36	KM 32	MB 32	24134 CCK30/W33
170	180	105	110	M 190x3	17	-	-	3.4	<b>AH 2236 G</b>	KM 38	HMV 38	KM 34	MB 34	22236 CCK/W33
		154	160	M 190x3	26	-	-	5.5	<b>AH 2336 G</b>	KM 38	HMV 38	KM 34	MB 34	22336 CCK/W33
		92	98	M 190x3	17	-	-	2.8	<b>AH 3036</b>	KM 38	HMV 38	KM 34	MB 34	23036 CCK/W33
		116	122	M 190x3	19	-	-	3.9	<b>AH 3136 G</b>	KM 38	HMV 38	KM 34	MB 34	23136 CCK/W33
		140	146	M 190x3	24	-	-	4.85	<b>AH 3236 G</b>	KM 38	HMV 38	KM 34	MB 34	23236 CCK/W33
		116	127	M 190x3	16	-	-	3.20	<b>AH 24036</b>	KM 38	HMV 38	KM 34	MB 34	24036 CCK30/W33
		134	145	M 190x3	16	-	-	3.75	<b>AH 24136</b>	KM 38	HMV 38	KM 34	MB 34	24136 CCK30/W33
		180	190	112	117	M 200x3	18	-	-	3.9	<b>AH 2238 G</b>	KM 40	HMV 40	KM 36
160	167			M 200x3	26	-	-	6.1	<b>AH 2338 G</b>	KM 40	HMV 40	KM 36	MB 36	22338 CCK/W33
96	102			M 200x3	18	-	-	3.3	<b>AH 3038 G</b>	KM 40	HMV 40	KM 36	MB 36	23038 CCK/W33
125	131			M 200x3	20	-	-	4.5	<b>AH 3138 G</b>	KM 40	HMV 40	KM 36	MB 36	23138 CCK/W33
145	152			M 200x3	25	-	-	5.4	<b>AH 3238 G</b>	KM 40	HMV 40	KM 36	MB 36	23238 CCK/W33
118	131			M 200x3	18	-	-	3.55	<b>AH 24038</b>	KM 40	HMV 40	KM 36	MB 36	24038 CCK30/W33
146	159			M 200x3	18	-	-	4.45	<b>AH 24138</b>	KM 40	HMV 40	KM 36	MB 36	24138 CCK30/W33
190	200			118	123	Tr 220x4	19	-	-	4.7	<b>AH 2240</b>	HM 44 T	HMV 44	KM 38
		170	177	Tr 220x4	30	-	-	7.6	<b>AH 2340</b>	HM 44 T	HMV 44	KM 38	MB 38	22340 CCK/W33
		102	108	Tr 210x4	19	-	-	3.7	<b>AH 3040 G</b>	HM 42 T	HMV 42	KM 38	MB 38	23040 CCK/W33
		134	140	Tr 220x4	21	-	-	5.65	<b>AH 3140</b>	HM 44 T	HMV 44	KM 38	MB 38	23140 CCK/W33
		153	160	Tr 220x4	25	-	-	6.6	<b>AH 3240</b>	HM 44 T	HMV 44	KM 38	MB 38	23240 CCK/W33
		127	140	Tr 210x4	18	-	-	4	<b>AH 24040</b>	HM 42 T	HMV 42	KM 38	MB 38	24040 CCK/W33
		158	171	Tr 210x4	18	-	-	5.05	<b>AH 24140</b>	HM 42 T	HMV 42	KM 38	MB 38	24140 CCK30/W33
		200	220	181	189	Tr 240x4	30	G 1/4	9	13.5	<b>AOH 2344</b>	HM 48 T	HMV 48	KM 40
111	117			Tr 230x4	20	G 1/8	6.5	7.3	<b>AOH 3044 G</b>	HM 46 T	HMV 46	KM 40	MB 40	23044 CCK/W33
145	151			Tr 240x4	23	G 1/4	9	9.3	<b>AOH 3144</b>	HM 48 T	HMV 48	KM 40	MB 40	23144 CCK/W33
130	136			Tr 240x4	20	G 1/4	9	9.4	<b>AOH 2244</b>	HM 48 T	HMV 48	KM 40	MB 40	22244 CCK/W33
138	152			Tr 230x4	20	G 1/8	6.5	8.2	<b>AOH 24044</b>	HM 46 T	HMV 46	KM 40	MB 40	24044 CCK30/W33
170	184			Tr 230x4	20	G 1/8	6.5	10	<b>AOH 24144</b>	HM 46 T	HMV 46	KM 40	MB 40	24144 CCK30/W33

1) Width before the sleeve is pressed into the bearing bore

# Accessories (metric series)

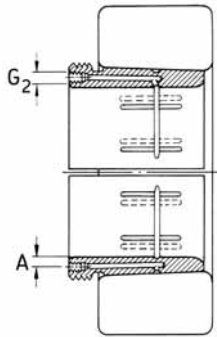
Withdrawal sleeves  
d<sub>1</sub> 220 — 320 mm



Type AOH

Dimensions					Mass			Designations	Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)	
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	G <sub>2</sub>	A	Withdrawal sleeve						
mm					in			mm	kg	—				
220	240	189	197	Tr 260x4	30	G 1/4	9	14	<b>AOH 2348</b>	HM 52 T	HMV 52	HM 44 T	MB 44	23248 CCK/W33, 22348 CCK/W33
	116	123		Tr 260x4	21	G 1/4	9	7.95	<b>AOH 3048</b>	HM 52 T	HMV 52	HM 44 T	MB 44	23048 CCK/W33
	154	161		Tr 260x4	25	G 1/4	9	12	<b>AOH 3148</b>	HM 52 T	HMV 52	HM 44 T	MB 44	23148 CCK/W33
	144	150		Tr 260x4	21	G 1/4	9	11.5	<b>AOH 2248</b>	HM 52 T	HMV 52	HM 44 T	MB 44	22248 CCK/W33
	138	153		Tr 250x4	20	G 1/8	6.5	8.05	<b>AOH 24048</b>	HM 50 T	HMV 50	HM 44 T	MB 44	24048 CCK30/W33
	180	195		Tr 260x4	20	G 1/4	9	11.5	<b>AOH 24148</b>	HM 52 T	HMV 52	HM 44 T	MB 44	24148 CCK30/W33
240	260	155	161	Tr 280x4	23	G 1/4	9	13.5	<b>AOH 2252 G</b>	HM 56 T	HMV 56	HM 48 T	MB 48	22252 CACK/W33
	205	213		Tr 280x4	30	G 1/4	9	19	<b>AOH 2352 G</b>	HM 56 T	HMV 56	HM 48 T	MB 48	23252 CACK/W33, 22352 CCK/W33
	128	135		Tr 280x4	23	G 1/4	9	9.6	<b>AOH 3052</b>	HM 56 T	HMV 56	HM 48 T	MB 48	23052 CCK/W33
	172	179		Tr 280x4	26	G 1/4	9	15.5	<b>AOH 3152 G</b>	HM 56 T	HMV 56	HM 48 T	MB 48	23152 CCK/W33
	162	178		Tr 280x4	22	G 1/8	6.5	12.5	<b>AOH 24052 G</b>	HM 56 T	HMV 56	HM 48 T	MB 48	24052 CCK30/W33
	202	218		Tr 280x4	22	G 1/4	9	14	<b>AOH 24152</b>	HM 56 T	HMV 56	HM 48 T	MB 48	24152 CCK30/W33
260	280	155	163	Tr 300x4	24	G 1/4	9	14.8	<b>AOH 2256 G</b>	HM 3160	HMV 60	HM 52 T	MB 52	22256 CACK/W33
	212	220		Tr 300x4	30	G 1/4	9	21.5	<b>AOH 2356 G</b>	HM 3160	HMV 60	HM 52 T	MB 52	23256 CACK/W33, 22356 CCK/W33
	131	139		Tr 300x4	24	G 1/4	9	11	<b>AOH 3056</b>	HM 3060	HMV 60	HM 52 T	MB 52	23056 CCK/W33
	175	183		Tr 300x4	28	G 1/4	9	17	<b>AOH 3156 G</b>	HM 3160	HMV 60	HM 52 T	MB 52	23156 CCK/W33
	162	179		Tr 300x4	22	G 1/8	6.5	13.5	<b>AOH 24056 G</b>	HM 3160	HMV 60	HM 52 T	MB 52	24056 CCK30/W33
	202	219		Tr 300x4	22	G 1/4	9	15	<b>AOH 24156</b>	HM 3160	HMV 60	HM 52 T	MB 52	24156 CCK30/W33
280	300	170	178	Tr 320x5	26	G 1/4	9	17.5	<b>AOH 2260 G</b>	HM 3164	HMV 64	HM 56 T	MB 56	22260 CACK/W33
	145	153		Tr 320x5	26	G 1/4	9	13	<b>AOH 3060</b>	HM 3064	HMV 64	HM 56 T	MB 56	23060 CCK/W33
	192	200		Tr 320x5	30	G 1/4	9	20.5	<b>AOH 3160 G</b>	HM 3164	HMV 64	HM 56 T	MB 56	23160 CCK/W33
	228	236		Tr 320x5	34	G 1/4	9	23.5	<b>AOH 3260 G</b>	HM 3164	HMV 64	HM 56 T	MB 56	23260 CACK/W33
	184	202		Tr 320x5	24	G 1/8	6.5	17	<b>AOH 24060 G</b>	HM 3164	HMV 64	HM 56 T	MB 56	24060 CCK30/W33
	224	242		Tr 320x5	24	G 1/4	9	18.5	<b>AOH 24160</b>	HM 3164	HMV 64	HM 56 T	MB 56	24160 CCK30/W33
300	320	180	190	Tr 340x5	27	G 1/4	9	20	<b>AOH 2264 G</b>	HM 3168	HMV 68	HM 3060	MS 3060	22264 CACK/W33
	149	157		Tr 340x5	27	G 1/4	9	16.5	<b>AOH 3064 G</b>	HM 3068	HMV 68	HM 3060	MS 3060	23064 CCK/W33
	209	217		Tr 340x5	31	G 1/4	9	24.5	<b>AOH 3164 G</b>	HM 3168	HMV 68	HM 3060	MS 3060	23164 CCK/W33
	246	254		Tr 340x5	36	G 1/4	9	27.5	<b>AOH 3264 G</b>	HM 3168	HMV 68	HM 3060	MS 3060	23264 CACK/W33
	184	202		Tr 340x5	24	G 1/8	6.5	18	<b>AOH 24064 G</b>	HM 3168	HMV 68	HM 3060	MS 3060	24064 CCK30/W33
	242	260		Tr 340x5	24	G 1/4	9	20.5	<b>AOH 24164</b>	HM 3168	HMV 68	HM 3060	MS 3060	24164 CCK30/W33
320	340	162	171	Tr 360x5	28	G 1/4	9	19	<b>AOH 3068 G</b>	HM 3072	HMV 72	HM 3064	MS 3068-64	23068 CCK/W33
	225	234		Tr 360x5	33	G 1/4	9	28	<b>AOH 3168 G</b>	HM 3172	HMV 72	HM 3064	MS 3068-64	23168 CCK/W33
	264	273		Tr 360x5	38	G 1/4	9	32	<b>AOH 3268 G</b>	HM 3172	HMV 72	HM 3064	MS 3068-64	23268 CCK/W33
	206	225		Tr 360x5	26	G 1/4	9	18	<b>AOH 24068</b>	HM 3172	HMV 72	HM 3064	MS 3068-64	24068 CCK30/W33
	269	288		Tr 360x5	26	G 1/4	9	25.5	<b>AOH 24168</b>	HM 3172	HMV 72	HM 3064	MS 3068-64	24168 CCK30/W33

1) Width before the sleeve is pressed into the bearing bore



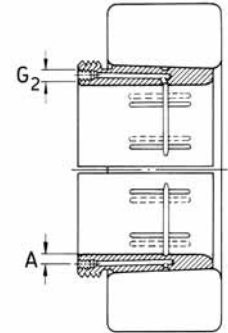
Type AOH, AOHX

Dimensions					Mass			Designations Withdrawal sleeve	Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)	
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	G <sub>2</sub>	A							
mm					in			mm	kg	—				
340	360	167	176	Tr 380x5	30	G 1/4	9	21	<b>AOH 3072 G</b>	HM 3076	HMV 76	HM 3068	MS 3068-64	23072 CCK/W33
		229	238	Tr 380x5	35	G 1/4	9	30.5	<b>AOH 3172 G</b>	HM 3176	HMV 76	HM 3068	MS 3068-64	23172 CACK/W33
		274	283	Tr 380x5	40	G 1/4	9	35.5	<b>AOH 3272 G</b>	HM 3176	HMV 76	HM 3068	MS 3068-64	23272 CAK/W33
		206	226	Tr 380x5	26	G 1/4	9	20	<b>AOH 24072</b>	HM 3176	HMV 76	HM 3068	MS 3068-64	24072 CCK30/W33
		269	289	Tr 380x5	26	G 1/4	9	26	<b>AOH 24172</b>	HM 3176	HMV 76	HM 3068	MS 3068-64	24172 CCK30/W33
360	380	170	180	Tr 400x5	31	G 1/4	9	23	<b>AOH 3076 G</b>	HM 3080	HMV 80	HM 3072	MS 3072	23076 CCK/W33
		232	242	Tr 400x5	36	G 1/4	9	33	<b>AOH 3176 G</b>	HM 3180	HMV 80	HM 3072	MS 3072	23176 CAK/W33
		284	294	Tr 400x5	42	G 1/4	9	42	<b>AOH 3276 G</b>	HM 3180	HMV 80	HM 3072	MS 3072	23276 CAK/W33
		208	228	Tr 400x5	28	G 1/4	9	23.5	<b>AOH 24076</b>	HM 3180	HMV 80	HM 3072	MS 3072	24076 CCK30/W33
		271	291	Tr 400x5	28	G 1/4	9	31	<b>AOH 24176</b>	HM 3180	HMV 80	HM 3072	MS 3072	24176 CAK30/W33
380	400	183	193	Tr 420x5	33	G 1/4	9	26	<b>AOH 3080 G</b>	HM 3084	HMV 84	HM 3076	MS 3080-76	23080 CACK/W33
		240	250	Tr 420x5	38	G 1/4	9	36	<b>AOH 3180 G</b>	HM 3184	HMV 84	HM 3076	MS 3080-76	23180 CAK/W33
		302	312	Tr 420x5	44	G 1/4	9	48	<b>AOH 3280 G</b>	HM 3184	HMV 84	HM 3076	MS 3080-76	23280 CAK/W33
		228	248	Tr 420x5	28	G 1/4	9	27	<b>AOH 24080</b>	HM 3184	HMV 84	HM 3076	MS 3080-76	24080 CACK30/W33
		278	298	Tr 420x5	28	G 1/4	9	35	<b>AOH 24180</b>	HM 3184	HMV 84	HM 3076	MS 3080-76	24180 CCK30/W33
400	420	186	196	Tr 440x5	34	G 1/4	9	28	<b>AOH 3084 G</b>	HM 3088	HMV 88	HM 3080	MS 3080-76	23084 CAK/W33
		266	276	Tr 440x5	40	G 1/4	9	43	<b>AOH 3184 G</b>	HM 3188	HMV 88	HM 3080	MS 3080-76	23184 CK/W33
		321	331	Tr 440x5	46	G 1/4	9	54.5	<b>AOH 3284 G</b>	HM 3188	HMV 88	HM 3080	MS 3080-76	23284 CAK/W33
		230	252	Tr 440x5	30	G 1/4	9	29	<b>AOH 24084</b>	HM 3188	HMV 88	HM 3080	MS 3080-76	24084 CAK30/W33
		310	332	Tr 440x5	30	G 1/4	9	39	<b>AOH 24184</b>	HM 3188	HMV 88	HM 3080	MS 3080-76	24184 CAK30/W33
420	440	194	205	Tr 460x5	35	G 1/4	9	30.8	<b>AOHX 3088 G</b>	HM 3092	HMV 92	HM 3084	MS 3084	23088 CAK/W33
		270	281	Tr 460x5	42	G 1/4	9	46	<b>AOHX 3188 G</b>	HM 3192	HMV 92	HM 3084	MS 3084	23188 CAK/W33
		330	341	Tr 460x5	48	G 1/4	9	59	<b>AOHX 3288 G</b>	HM 3192	HMV 92	HM 3084	MS 3084	23288 CAK/W33
		242	264	Tr 460x5	30	G 1/4	9	32	<b>AOH 24088</b>	HM 3192	HMV 92	HM 3084	MS 3084	24088 CAK30/W33
		310	332	Tr 460x5	30	G 1/4	9	45.5	<b>AOH 24188</b>	HM 3192	HMV 92	HM 3084	MS 3084	24188 CAK30/W33
440	460	202	213	Tr 480x5	37	G 1/4	9	33.8	<b>AOHX 3092 G</b>	HM 3096	HMV 96	HM 3088	MS 3092-88	23092 CAK/W33
		285	296	Tr 480x5	43	G 1/4	9	51.5	<b>AOHX 3192 G</b>	HM 3196	HMV 96	HM 3088	MS 3092-88	23192 CAK/W33
		349	360	Tr 480x5	50	G 1/4	9	66.5	<b>AOHX 3292 G</b>	HM 3196	HMV 96	HM 3088	MS 3092-88	23292 CAK/W33
		250	273	Tr 480x5	32	G 1/4	9	34.7	<b>AOH 24092</b>	HM 3196	HMV 96	HM 3088	MS 3092-88	24092 CAK30/W33
		332	355	Tr 480x5	32	G 1/4	9	50	<b>AOH 24192</b>	HM 3196	HMV 96	HM 3088	MS 3092-88	24192 ECAK30/W33
460	480	205	217	Tr 500x5	38	G 1/4	9	36	<b>AOHX 3096 G</b>	HM 30/500	HMV 100	HM 3092	MS 3092-88	23096 CAK/W33
		295	307	Tr 500x5	45	G 1/4	9	56	<b>AOHX 3196 G</b>	HM 31/500	HMV 100	HM 3092	MS 3092-88	23196 CAK/W33
		364	376	Tr 500x5	52	G 1/4	9	73.5	<b>AOHX 3296 G</b>	HM 31/500	HMV 100	HM 3092	MS 3092-88	23296 CAK/W33
		250	273	Tr 500x5	32	G 1/4	9	36.6	<b>AOH 24096</b>	HM 31/500	HMV 100	HM 3092	MS 3092-88	24096 CACK30/W33
		340	363	Tr 500x5	32	G 1/4	9	51.5	<b>AOH 24196</b>	HM 31/500	HMV 100	HM 3092	MS 3092-88	24196 CAK30/W33

1) Width before the sleeve is pressed into the bearing bore

# Accessories (metric series)

Withdrawal sleeves  
d<sub>1</sub> 480 — 670 mm

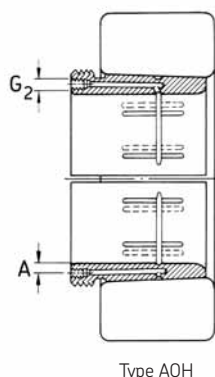


Type AOH, AOHX

Dimensions					Mass			Designations	Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)	
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	G <sub>2</sub>	A	Withdrawal sleeve						
mm					in			mm	kg	—				
480	500	209	221	Tr 530x6	40	G 1/4	9	41	<b>AOHX 30/500 G</b>	HM 30/530	HMV 106	HM 3096	MS 30/500-96	230/500 CAK/W33
		313	325	Tr 530x6	47	G 1/4	9	66.5	<b>AOHX 31/500 G</b>	HM 31/530	HMV 106	HM 3096	MS 30/500-96	231/500 CAK/W33
		393	405	Tr 530x6	54	G 1/4	9	89.5	<b>AOHX 32/500 G</b>	HM 31/530	HMV 106	HM 3096	MS 30/500-96	232/500 CAK/W33
		253	276	Tr 530x6	35	G 1/4	9	41.7	<b>AOH 240/500</b>	HM 31/530	HMV 106	HM 3096	MS 30/500-96	240/500 CAK30/W33
		360	383	Tr 530x6	35	G 1/4	9	57	<b>AOH 241/500</b>	HM 31/530	HMV 106	HM 3096	MS 30/500-96	241/500 ECAK30/W33
500	530	230	242	Tr 560x6	45	G 1/4	10	63.5	<b>AOH 30/530</b>	HM 30/560	HMV 112	HM 30/500	MS 30/500-96	230/530 CAK/W33
		325	337	Tr 560x6	53	G 1/4	10	94.5	<b>AOH 31/530</b>	HM 31/560	HMV 112	HM 30/500	MS 30/500-96	231/530 CAK/W33
		412	424	Tr 560x6	57	G 1/4	10	127	<b>AOH 32/530 G</b>	HM 31/560	HMV 112	HM 30/500	MS 30/500-96	232/530 CAK/W33
		285	309	Tr 560x6	35	G 1/4	9	69.5	<b>AOH 240/530 G</b>	HM 31/560	HMV 112	HM 30/500	MS 30/500-96	240/530 CAK30/W33
		370	394	Tr 560x6	35	G 1/4	9	91.5	<b>AOH 241/530 G</b>	HM 31/560	HMV 112	HM 30/500	MS 30/500-96	241/530 CAK30/W33
530	560	240	252	Tr 600x6	45	G 1/4	11	73.5	<b>AOHX 30/560</b>	HM 30/600	HMV 120	HM 30/530	MS 30/600-530	230/560 CAK/W33
		335	347	Tr 600x6	55	G 1/4	11	108	<b>AOH 31/560</b>	HM 31/600	HMV 120	HM 30/530	MS 30/600-530	231/560 CAK/W33
		422	434	Tr 600x6	57	G 1/4	11	143	<b>AOHX 32/560</b>	HM 31/600	HMV 120	HM 30/530	MS 30/600-530	232/560 CAK/W33
		296	320	Tr 600x6	38	G 1/4	9	79.5	<b>AOH 240/560 G</b>	HM 31/600	HMV 120	HM 30/530	MS 30/600-530	240/560 CAK30/W33
		393	417	Tr 600x6	38	G 1/4	9	107	<b>AOH 241/560 G</b>	HM 31/600	HMV 120	HM 30/530	MS 30/600-530	241/560 CAK30/W33
570	600	245	259	Tr 630x6	45	G 1/4	11	77	<b>AOHX 30/600</b>	HM 30/630	HMV 126	HM 30/560	MS 30/560	230/600 CAK/W33
		355	369	Tr 630x6	55	G 1/4	11	120	<b>AOHX 31/600</b>	HM 31/630	HMV 126	HM 30/560	MS 30/560	231/600 CAK/W33
		445	459	Tr 630x6	57	G 1/4	11	159	<b>AOHX 32/600 G</b>	HM 31/630	HMV 126	HM 30/560	MS 30/560	232/600 CAK/W33
		310	336	Tr 630x6	38	G 1/4	9	86.5	<b>AOHX 240/600</b>	HM 31/630	HMV 126	HM 30/560	MS 30/560	240/600 CAK30/W33
		413	439	Tr 630x6	38	G 1/4	9	118	<b>AOHX 241/600</b>	HM 31/630	HMV 126	HM 30/560	MS 30/560	241/600 CAK30/W33
600	630	258	272	Tr 670x6	46	G 1/4	11	89.5	<b>AOH 30/630</b>	HM 30/670	HMV 134	HM 30/600	MS 30/600-530	230/630 CAK/W33
		375	389	Tr 670x6	60	G 1/4	11	140	<b>AOH 31/630</b>	HM 31/670	HMV 134	HM 30/600	MS 30/600-530	231/630 CAK/W33
		475	489	Tr 670x6	63	G 1/4	11	188	<b>AOH 32/630 G</b>	HM 31/670	HMV 134	HM 30/600	MS 30/600-530	232/630 CAK/W33
		330	356	Tr 670x6	40	G 1/4	9	101	<b>AOH 240/630 G</b>	HM 31/670	HMV 134	HM 30/600	MS 30/600-530	240/630 CAK30/W33
		440	466	Tr 670x6	40	G 1/4	9	136	<b>AOH 241/630 G</b>	HM 31/670	HMV 134	HM 30/600	MS 30/600-530	241/630 CAK30/W33
630	670	280	294	Tr 710x7	50	G 1/4	12	127	<b>AOH 30/670</b>	HM 30/710	HMV 142	HM 30/630	MS 30/630	230/670 CAK/W33
		395	409	Tr 710x7	59	G 1/4	12	189	<b>AOHX 31/670</b>	HM 31/710	HMV 142	HM 30/630	MS 30/630	231/670 CAK/W33
		500	514	Tr 710x7	62	G 1/4	12	252	<b>AOH 32/670 G</b>	HM 31/710	HMV 142	HM 30/630	MS 30/630	232/670 CAK/W33
		348	374	Tr 710x7	40	G 1/4	12	140	<b>AOH 240/670 G</b>	HM 31/710	HMV 142	HM 30/630	MS 30/630	240/670 CAK30/W33
		452	478	Tr 710x7	40	G 1/4	12	185	<b>AOH 241/670</b>	HM 31/710	HMV 142	HM 30/630	MS 30/630	241/670 CAK30/W33
670	710	286	302	Tr 750x7	50	G 1/4	15	138	<b>AOHX 30/710</b>	HM 30/750	HMV 150	HM 30/670	MS 30/670	230/710 CAK/W33
		405	421	Tr 750x7	60	G 1/4	15	207	<b>AOHX 31/710</b>	HM 31/750	HMV 150	HM 30/670	MS 30/670	231/710 CAK/W33
		515	531	Tr 750x7	65	G 1/4	15	278	<b>AOH 32/710 G</b>	HM 31/750	HMV 150	HM 30/670	MS 30/670	232/710 CAK/W33
		360	386	Tr 750x7	45	G 1/4	12	155	<b>AOH 240/710 G</b>	HM 31/750	HMV 150	HM 30/670	MS 30/670	240/710 CAK30/W33
		483	509	Tr 750x7	45	G 1/4	12	212	<b>AOH 241/710</b>	HM 31/750	HMV 150	HM 30/670	MS 30/670	241/710 CAK30/W33

<sup>1)</sup> Width before the sleeve is pressed into the bearing bore





Type AOH

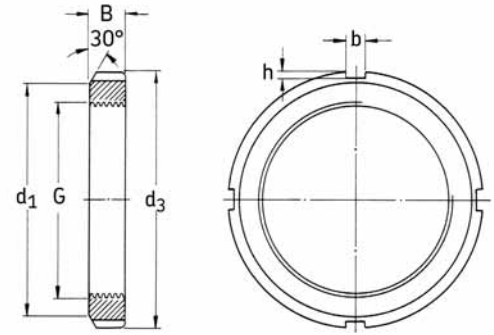
Dimensions					Mass			Designations Withdrawal sleeve	Appropriate nut for dismounting	Hydraulic nut	Lock nut	Locking washer	Bearing(s)	
d <sub>1</sub>	d	B <sub>1</sub>	B <sub>2</sub> <sup>1)</sup>	G	G <sub>1</sub>	G <sub>2</sub>	A							
mm					in		mm	kg	—					
710	750	300	316	Tr 800x7	50	G 1/4	15	159	<b>AOH 30/750</b>	HM 30/800	HMV 160	HM 30/710	MS 30/710	230/750 CAK/W33
		425	441	Tr 800x7	60	G 1/4	15	238	<b>AOH 31/750</b>	HM 31/800	HMV 160	HM 30/710	MS 30/710	231/750 CAK/W33
		540	556	Tr 800x7	65	G 1/4	15	320	<b>AOH 32/750</b>	HM 31/800	HMV 160	HM 30/710	MS 30/710	232/750 CAK/W33
		380	408	Tr 800x7	45	G 1/4	12	178	<b>AOH 240/750 G</b>	HM 31/800	HMV 160	HM 30/710	MS 30/710	240/750 CAK30/W33
		520	548	Tr 800x7	45	G 1/4	12	248	<b>AOH 241/750 G</b>	HM 31/800	HMV 160	HM 30/710	MS 30/710	241/750 CAK30/W33
750	800	308	326	Tr 850x7	50	G 1/4	15	204	<b>AOH 30/800</b>	HM 30/850	HMV 170	HM 30/750	MS 30/800-750	230/800 CAK/W33
		438	456	Tr 850x7	63	G 1/4	15	305	<b>AOH 31/800</b>	HM 31/850	HMV 170	HM 30/750	MS 30/800-750	231/800 CAK/W33
		550	568	Tr 850x7	67	G 1/4	15	401	<b>AOH 32/800</b>	HM 31/850	HMV 170	HM 30/750	MS 30/800-750	232/800 CAK/W33
		395	423	Tr 850x7	50	G 1/4	15	237	<b>AOH 240/800 G</b>	HM 31/850	HMV 170	HM 30/750	MS 30/800-750	240/800 CAK30/W33
		525	553	Tr 850x7	50	G 1/4	15	318	<b>AOH 241/800 G</b>	HM 31/850	HMV 170	HM 30/750	MS 30/800-750	241/800 CAK30/W33
800	850	325	343	Tr 900x7	53	G 1/4	15	230	<b>AOH 30/850</b>	HM 30/900	HMV 180	HM 30/800	MS 30/800-750	230/850 CAK/W33
		462	480	Tr 900x7	62	G 1/4	15	345	<b>AOH 31/850</b>	HM 31/900	HMV 180	HM 30/800	MS 30/800-750	231/850 CAK/W33
		585	603	Tr 900x7	70	G 1/4	15	461	<b>AOH 32/850</b>	HM 31/900	HMV 180	HM 30/800	MS 30/800-750	232/850 CAK/W33
		415	445	Tr 900x7	50	G 1/4	15	265	<b>AOH 240/850 G</b>	HM 31/900	HMV 180	HM 30/800	MS 30/800-750	240/850 CAK30/W33
		560	600	Tr 900x7	60	G 1/4	15	368	<b>AOH 241/850</b>	HM 31/900	HMV 180	HM 30/800	MS 30/800-750	241/850 CAK30/W33
850	900	335	355	Tr 950x8	55	G 1/4	15	253	<b>AOH 30/900</b>	HM 30/950	HMV 190	HM 30/850	MS 30/900-850	230/900 CAK/W33
		475	495	Tr 950x8	63	G 1/4	15	379	<b>AOH 31/900</b>	HM 31/950	HMV 190	HM 30/850	MS 30/900-850	231/900 CAK/W33
		585	605	Tr 950x8	70	G 1/4	15	489	<b>AOH 32/900</b>	HM 31/950	HMV 190	HM 30/850	MS 30/900-850	232/900 CAK/W33
		430	475	Tr 950x8	55	G 1/4	15	296	<b>AOH 240/900</b>	HM 31/950	HMV 190	HM 30/850	MS 30/900-850	240/900 CAK30/W33
		575	620	Tr 950x8	60	G 1/4	15	402	<b>AOH 241/900</b>	HM 31/950	HMV 190	HM 30/850	MS 30/900-850	241/900 CAK30/W33
900	950	355	375	Tr 1000x8	55	G 1/4	15	285	<b>AOH 30/950</b>	HM 30/1000	HMV 200	HM 30/900	MS 30/900-850	230/950 CAK/W33
		500	520	Tr 1000x8	62	G 1/4	15	426	<b>AOH 31/950</b>	HM 31/1000	HMV 200	HM 30/900	MS 30/900-850	231/950 CAK/W33
		600	620	Tr 1000x8	70	G 1/4	15	533	<b>AOH 32/950</b>	HM 31/1000	HMV 200	HM 30/900	MS 30/900-850	232/950 CAK/W33
		467	512	Tr 1000x8	55	G 1/4	15	340	<b>AOH 240/950</b>	HM 31/1000	HMV 200	HM 30/900	MS 30/900-850	240/950 CAK30/W33
		605	650	Tr 1000x8	60	G 1/4	15	449	<b>AOH 241/950</b>	HM 31/1000	HMV 200	HM 30/900	MS 30/900-850	241/950 CAK30/W33
950	1 000	365	387	Tr 1060x8	57	G 1/4	15	318	<b>AOH 30/1000</b>	HM 30/1060	HMV 212	HM 30/950	MS 30/950	230/1000 CAK/W33
		525	547	Tr 1060x8	63	G 1/4	15	485	<b>AOH 31/1000</b>	HM 31/1060	HMV 212	HM 30/950	MS 30/950	231/1000 CAK/W33
		630	652	Tr 1060x8	70	G 1/4	15	608	<b>AOH 32/1000</b>	HM 31/1060	HMV 212	HM 30/950	MS 30/950	232/1000 CAK/W33
		469	519	Tr 1060x8	57	G 1/4	15	369	<b>AOH 240/1000</b>	HM 31/1060	HMV 212	HM 30/950	MS 30/950	240/1000 CAK30/W33
		645	695	Tr 1060x8	65	G 1/4	15	519	<b>AOH 241/1000</b>	HM 31/1060	HMV 212	HM 30/950	MS 30/950	241/1000 CAK30/W33
1 000	1 060	385	407	Tr 1120x8	60	G 1/4	15	406	<b>AOH 30/1060</b>	HM 30/1120	HMV 224	HM 30/1000	MS 30/1000	230/1060 CAK/W33
		540	562	Tr 1120x8	65	G 1/4	15	599	<b>AOH 31/1060</b>	HM 30/1120	HMV 224	HM 30/1000	MS 30/1000	231/1060 CAK/W33
		498	548	Tr 1120x8	60	G 1/4	15	479	<b>AOH 240/1060</b>	HM 30/1120	HMV 224	HM 30/1000	MS 30/1000	240/1060 CAK30/W33
		665	715	Tr 1120x8	65	G 1/4	15	652	<b>AOH 241/1060</b>	HM 30/1120	HMV 224	HM 30/1000	MS 30/1000	240/1060 CAK30 W33

1) Width before the sleeve is pressed into the bearing bore

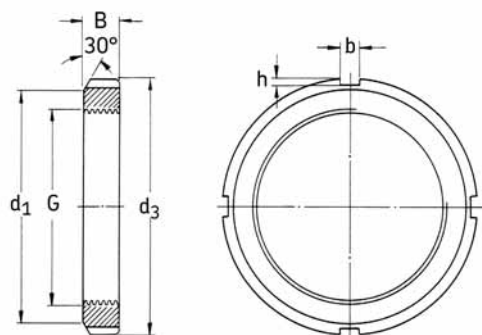
## Accessories (metric series)

### Lock nuts

M 10x0.75 — M 115x2



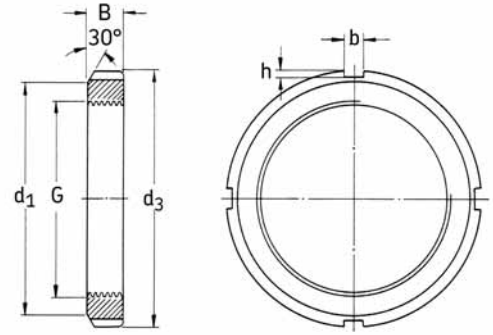
Dimensions						Axial load carrying capacity static	Mass	Designations Lock nut	Appropriate locking washer	Hook/impact spanner
G	d <sub>1</sub>	d <sub>3</sub>	B	b	h					
mm						kN	kg	—		
M 10x0.75	13.5	18	4	3	2	9.8	0.006	<b>KM 0</b>	MB 0	-
M 12x1	17	22	4	3	2	11.8	0.008	<b>KM 1</b>	MB 1	HN 1
M 15x1	21	25	5	4	2	14.6	0.012	<b>KM 2</b>	MB 2	HN 2
M 17x1	24	28	5	4	2	19.6	0.012	<b>KM 3</b>	MB 3	HN 3
M 20x1	26	32	6	4	2	24	0.02	<b>KM 4</b>	MB 4	HN 4
M 25x1.5	32	38	7	5	2	31.5	0.028	<b>KM 5</b>	MB 5	HN 5
M 30x1.5	38	45	7	5	2	36.5	0.038	<b>KM 6</b>	MB 6	HN 6
M 35x1.5	44	52	8	5	2	50	0.058	<b>KM 7</b>	MB 7	HN 7
M 40x1.5	50	58	9	6	2.5	62	0.078	<b>KM 8</b>	MB 8	HN 8
M 45x1.5	56	65	10	6	2.5	78	0.11	<b>KM 9</b>	MB 9	HN 9
M 50x1.5	61	70	11	6	2.5	91.5	0.14	<b>KM 10</b>	MB 10	HN 10
M 55x2	67	75	11	7	3	91.5	0.15	<b>KM 11</b>	MB 11	HN 11
M 60x2	73	80	11	7	3	95	0.16	<b>KM 12</b>	MB 12	HN 12
M 65x2	79	85	12	7	3	108	0.19	<b>KM 13</b>	MB 13	HN 13
M 70x2	85	92	12	8	3.5	118	0.22	<b>KM 14</b>	MB 14	HN 14
M 75x2	90	98	13	8	3.5	134	0.27	<b>KM 15</b>	MB 15	HN 15
M 80x2	95	105	15	8	3.5	173	0.36	<b>KM 16</b>	MB 16	HN 16
M 85x2	102	110	16	8	3.5	190	0.42	<b>KM 17</b>	MB 17	HN 17
M 90x2	108	120	16	10	4	216	0.51	<b>KM 18</b>	MB 18	HN 18
M 95x2	113	125	17	10	4	236	0.58	<b>KM 19</b>	MB 19	HN 19
M 100x2	120	130	18	10	4	255	0.68	<b>KM 20</b>	MB 20	HN 20
M 105x2	126	140	18	12	5	290	0.81	<b>KM 21</b>	MB 21	HN 21
M 110x2	133	145	19	12	5	310	0.89	<b>KM 22</b>	MB 22	HN 22
M 115x2	137	150	19	12	5	315	0.91	<b>KM 23</b>	MB 23	718909



Dimensions						Axial load carrying capacity static	Mass	Designations Lock nut	Appropriate locking washer	Hook/impact spanner
G	d <sub>1</sub>	d <sub>3</sub>	B	b	h					
mm						kN	kg	—		
M 120x2	135	145	20	12	5	265	0.69	<b>KML 24</b>	MBL 24	718909
	138	155	20	12	5	340	0.98	<b>KM 24</b>	MB 24	718909
M 125x2	148	160	21	12	5	360	1.1	<b>KM 25</b>	MB 25	718909
M 130x2	145	155	21	12	5	285	0.84	<b>KML 26</b>	MBL 26	718909
	149	165	21	12	5	365	1.2	<b>KM 26</b>	MB 26	718909
M 135x2	160	175	22	14	6	430	1.4	<b>KM 27</b>	MB 27	718909
M 140x2	155	165	22	12	5	305	0.92	<b>KML 28</b>	MBL 28	718909
	160	180	22	14	6	430	1.4	<b>KM 28</b>	MB 28	718909
M 145x2	171	190	24	14	6	520	1.85	<b>KM 29</b>	MB 29	718909
M 150x2	170	180	24	14	5	390	1.3	<b>KML 30</b>	MBL 30	718909
	171	195	24	14	6	530	1.85	<b>KM 30</b>	MB 30	718909, 718910
M 155x3	182	200	25	16	7	540	2.05	<b>KM 31</b>	MB 31	718910
M 160x3	180	190	25	14	5	405	1.4	<b>KML 32</b>	MBL 32	718909
	182	210	25	16	7	585	2.25	<b>KM 32</b>	MB 32	718910
M 165x3	193	210	26	16	7	570	2.3	<b>KM 33</b>	MB 33	718910
M 170x3	190	200	26	16	5	430	1.6	<b>KML 34</b>	MBL 34	718910
	193	220	26	16	7	620	2.55	<b>KM 34</b>	MB 34	718910
M 180x3	200	210	27	16	5	450	1.8	<b>KML 36</b>	MBL 36	718910
	203	230	27	18	8	670	2.7	<b>KM 36</b>	MB 36	718910
M 190x3	210	220	28	16	5	475	1.9	<b>KML 38</b>	MBL 38	718910
	214	240	28	18	8	695	3	<b>KM 38</b>	MB 38	718910
M 200x3	222	240	29	18	8	625	2.6	<b>KML 40</b>	MBL 40	718910
	226	250	29	18	8	735	3.3	<b>KM 40</b>	MB 40	718910, 718911

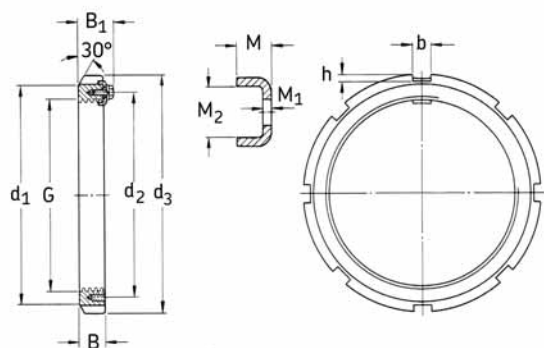
## Accessories (metric series)

Lock nuts/removal nuts  
Tr 210x4 — Tr 280x4



Dimensions						Mass	Designations Lock nut	Appropriate locking washer	Impact spanner
G	d <sub>1</sub>	d <sub>3</sub>	B	b	h				
mm						kg	—		
Tr 210x4	238	270	30	20	10	5.1	HM 42 T	-	718911
Tr 220x4	250	280	32	20	10	4.75	HM 44 T	MB 44	718911
Tr 230x4	260	290	34	20	10	5.45	HM 46 T	-	718911
Tr 240x4	270	300	34	20	10	5.6	HM 48 T	MB 48	718911
Tr 250x4	290	320	36	20	10	7.45	HM 50 T	-	718911
Tr 260x4	300	330	36	24	12	7.55	HM 52 T	MB 52	718912
Tr 280x4	320	350	38	24	12	8.65	HM 56 T	MB 56	718912

Lock nuts with locking clip  
Tr 220x4 — Tr 530x6

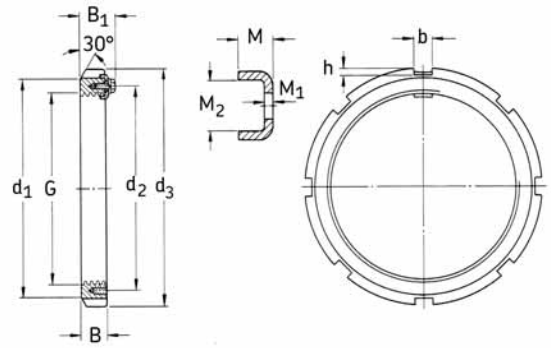


Dimensions												Mass	Designations	Hexagon-headed screw	Appropriate impact spanner
G	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	B	B <sub>1</sub>	b	h	M	M <sub>1</sub>	M <sub>2</sub>		Lock nut + locking clip and screw (DIN 933)			
mm												kg	—		
Tr 220x4	242	229	260	30	41	20	9	12	4	13.5	2.75	HM 3044 + MS 3044	M 6x12	718911	
Tr 240x4	270	253	290	34	46	20	10	12	4	17.5	4.5	HM 3048 + MS 3052-48	M 8x16	718911	
Tr 260x4	290	273	310	34	46	20	10	12	4	17.5	4.8	HM 3052 + MS 3052-48	M 8x16	718911	
Tr 280x4	310	293	330	38	50	24	10	12	4	17.5	5.75	HM 3056 + MS 3056	M 8x16	718912	
Tr 300x4	336 340	316 326	360 380	42 40	54 53	24 24	12 12	12 12	4 4	20.5 30.5	8.35 11.5	HM 3060 + MS 3060 HM 3160 + MS 3160	M 8x16 M 10x20	718912 718912	
Tr 320x5	356 360	336 346	380 400	42 42	55 56	24 24	12 12	15 15	5 5	21 31	9 13	HM 3064 + MS 3068-64 HM 3164 + MS 3164	M 8x16 M 10x20	718912 718912 <sup>1)</sup>	
Tr 340x5	376 400	356 373	400 440	45 55	58 72	24 28	12 15	15 15	5 5	21 38	11 24	HM 3068 + MS 3068-64 HM 3168 + MS 3172-68	M 8x16 M 12x25	718912 <sup>1)</sup> 718913	
Tr 360x5	394 420	375 393	420 460	45 58	58 75	28 28	13 15	15 15	5 5	20 38	11.5 26.5	HM 3072 + MS 3072 HM 3172 + MS 3172-68	M 8x16 M 12x25	718913 718913	
Tr 380x5	422 440	399 415	450 490	48 60	62 77	28 32	14 18	15 15	5 5	24 40	15 32	HM 3076 + MS 3080-76 HM 3176 + MS 3176	M 10x20 M 12x25	718913 718913	
Tr 400x5	442 460	419 440	470 520	52 62	66 82	28 32	14 18	15 15	5 5	24 45	17 38	HM 3080 + MS 3080-76 HM 3180 + MS 3184-80	M 10x20 M 16x30	718913 718913	
Tr 420x5	462 490	439 460	490 540	52 70	66 90	32 32	14 18	15 15	5 5	24 45	18.5 45	HM 3084 + MS 3084 HM 3184 + MS 3184-80	M 10x20 M 16x30	718913 718914	
Tr 440x5	490 510	463 478	520 560	60 70	77 90	32 36	15 20	15 15	5 5	28 43	26 46.5	HM 3088 + MS 3092-88 HM 3188 + MS 3192-88	M 12x25 M 16x30	718913 718914	
Tr 460x5	510 540	483 498	540 580	60 75	77 95	32 36	15 20	15 15	5 5	28 43	27 50.5	HM 3092 + MS 3092-88 HM 3192 + MS 3192-88	M 12x25 M 16x30	718914 718914	
Tr 480x5	530 560	503 528	560 620	60 75	77 95	36 36	15 20	15 15	5 5	28 53	28 62	HM 3096 + MS 30/500-96 HM 3196 + MS 3196	M 12x25 M 16x30	718914 718914	
Tr 500x5	550 580	523 540	580 630	68 80	85 100	36 40	15 23	15 15	5 5	28 45	33.5 63.5	HM 30/500 + MS 30/500-96 HM 31/500 + MS 31/500	M 12x25 M 16x30	718914 718914	
Tr 530x6	590 610	558 575	630 670	68 80	90 105	40 40	20 23	21 21	7 7	34 51	42.5 71.5	HM 30/530 + MS 30/600-530 HM 31/530 + MS 31/530	M 16x30 M 20x40	718915 718915	

1) Impact spanner 718913 also suitable

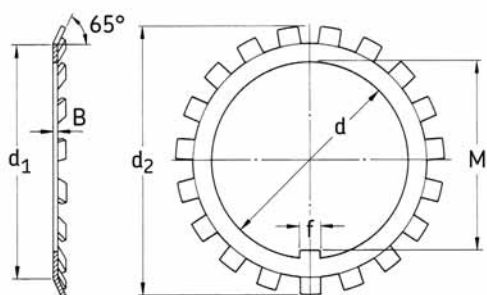
# Accessories (metric series)

Lock nuts with locking clip  
Tr 560x6 — Tr 1120x8



Dimensions											Mass	Designations Lock nut + locking clip and screw (DIN 933)	Hexagon- headed screw	Appropriate impact spanner
G	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	B	B <sub>1</sub>	b	h	M	M <sub>1</sub>	M <sub>2</sub>				
mm											kg	—		
Tr 560x6	610	583	650	75	97	40	20	21	7	29	44.5	HM 30/560 + MS 30/560	M 16x30	718915
	650	608	710	85	110	45	25	21	7	54	86.5	HM 31/560 + MS 31/600-560	M 20x40	718915
Tr 600x6	660	628	700	75	97	40	20	21	7	34	52.5	HM 30/600 + MS 30/600-530	M 16x30	718915
	690	648	750	85	110	45	25	21	7	54	91.5	HM 31/600 + MS 31/600-560	M 20x40	718915
Tr 630x6	690	658	730	75	97	45	20	21	7	34	55.0	HM 30/630 + MS 30/630	M 16x30	718915
	730	685	800	95	120	50	28	21	7	61	125	HM 31/630 + MS 31/630	M 20x40	718916
Tr 670x6	740	703	780	80	102	45	20	21	7	39	68.5	HM 30/670 + MS 30/670	M 16x30	718916
	775	730	850	106	131	50	28	21	7	66	155	HM 31/670 + MS 31/670	M 20x40	718916
Tr 710x7	780	742	830	90	112	50	25	21	7	39	91.5	HM 30/710 + MS 30/710	M 16x30	718916
	825	772	900	106	133	55	30	21	7	69	162	HM 31/710 + MS 31/710	M 24x50	718916
Tr 750x7	820	782	870	90	112	55	25	21	7	39	94.0	HM 30/750 + MS 30/800-750	M 16x30	718916
	875	813	950	112	139	60	34	21	7	70	190	HM 31/750 + MS 31/800-750	M 24x50	718916
Tr 800x7	870	832	920	90	112	55	25	21	7	39	99.5	HM 30/800 + MS 30/800-750	M 16x30	718916
	925	863	1 000	112	139	60	34	21	7	70	202	HM 31/800 + MS 31/800-750	M 24x50	-
Tr 850x7	925	887	980	90	115	60	25	21	7	44	115	HM 30/850 + MS 30/900-850	M 20x40	-
	975	914	1 060	118	145	70	38	21	7	71	234	HM 31/850 + MS 31/850	M 24x50	-
Tr 900x7	975	937	1 030	100	125	60	25	21	7	44	131	HM 30/900 + MS 30/900-850	M 20x40	-
	1 030	969	1 120	125	154	70	38	21	7	76	279	HM 31/900 + MS 31/900	M 24x50	-
Tr 950x8	1 025	985	1 080	100	125	60	25	21	7	46	139	HM 30/950 + MS 30/950	M 20x40	-
	1 080	1 017	1 170	125	154	70	38	21	7	78	293	HM 31/950 + MS 31/950	M 24x50	-
Tr 1000x8	1 085	1 040	1 140	100	125	60	25	21	7	51	157	HM 30/1000 + MS 30/1000	M 20x40	-
	1 140	1 077	1 240	125	154	70	38	21	7	88	336	HM 31/1000 + MS 31/1000	M 24x50	-
Tr 1060x8	1 145	1 100	1 200	100	125	60	25	21	7	51	166	HM 30/1060 + MS 30/1000	M 20x40	-
	1 210	1 137	1 300	125	154	70	38	21	7	88	354	HM 31/1060 + MS 31/1000	M 24x50	-
Tr 1120x8	1 205	1 160	1 260	100	125	60	25	21	7	51	175	HM 30/1120 + MS 30/1000	M 20x40	-

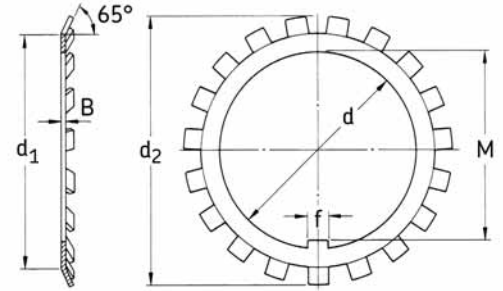
Consult SKF USA Inc. prior to design change or order placement.



Dimensions						Mass	Designation	Dimensions						Mass	Designation
d	d <sub>1</sub>	d <sub>2</sub>	B	f	M			d	d <sub>1</sub>	d <sub>2</sub>	B	f	M		
mm						g	—	mm						g	—
10	13.5	21	1	3	8.5	1	<b>MB 0</b>	115	137	159	2	12	110.5	107	<b>MB 23</b>
12	17	25	1	3	10.5	2	<b>MB 1</b>	120	135	152	2	14	115	70	<b>MBL 24</b>
15	21	28	1	4	13.5	3	<b>MB 2</b>		138	164	2	14	115	108	<b>MB 24</b>
17	24	32	1	4	15.5	3	<b>MB 3</b>	125	148	170	2	14	120	115	<b>MB 25</b>
20	26	36	1	4	18.5	4	<b>MB 4</b>	130	145	161	2	14	125	80	<b>MBL 26</b>
25	32	42	1.25	5	23	6	<b>MB 57</b>		149	175	2	14	125	115	<b>MB 26</b>
30	38	49	1.25	5	27.5	8	<b>MB 6</b>	135	160	185	2	14	130	140	<b>MB 27</b>
35	44	57	1.25	6	32.5	11	<b>MB 7</b>	140	155	172	2	16	135	90	<b>MBL 28</b>
40	50	62	1.25	6	37.5	13	<b>MB 8</b>		160	192	2	16	135	135	<b>MB 28</b>
45	56	69	1.25	6	42.5	15	<b>MB 9</b>	145	172	202	2	16	140	165	<b>MB 29</b>
50	61	74	1.25	6	47.5	16	<b>MB 10</b>	150	170	189	2	16	145	100	<b>MBL 30</b>
55	67	81	1.5	8	52.5	22	<b>MB 11</b>		171	205	2	16	145	180	<b>MB 30</b>
60	73	86	1.5	8	57.5	24	<b>MB 12</b>	155	182	212	2.5	16	147.5	200	<b>MB 31</b>
65	79	92	1.5	8	62.5	30	<b>MB 13</b>	160	180	199	2.5	18	154	140	<b>MBL 32</b>
70	85	98	1.5	8	66.5	32	<b>MB 14</b>		182	217	2.5	18	154	215	<b>MB 32</b>
75	90	104	1.5	8	71.5	35	<b>MB 15</b>	165	193	222	2.5	18	157.5	240	<b>MB 33</b>
80	95	112	1.75	10	76.5	46	<b>MB 16</b>	170	190	211	2.5	18	164	150	<b>MBL 34</b>
85	102	119	1.75	10	81.5	53	<b>MB 17</b>		193	232	2.5	18	164	240	<b>MB 34</b>
90	108	126	1.75	10	86.5	61	<b>MB 18</b>	180	200	222	2.5	20	174	160	<b>MBL 36</b>
95	113	133	1.75	10	91.5	66	<b>MB 19</b>		203	242	2.5	20	174	260	<b>ML 36</b>
100	120	142	1.75	12	96.5	77	<b>MB 20</b>	190	210	232	2.5	20	184	170	<b>MBL 38</b>
105	126	145	1.75	12	100.5	83	<b>MB 21</b>		214	252	2.5	20	184	260	<b>MB 38</b>
110	133	154	1.75	12	105.5	91	<b>MB 22</b>	200	222	245	2.5	20	194	220	<b>MBL 40</b>
									226	262	2.5	20	194	280	<b>MB 40</b>
								220	250	292	3	24	213	350	<b>MB 44</b>
								240	270	312	3	24	233	450	<b>MB 48</b>
								260	300	342	3	28	253	650	<b>MB 52</b>
								280	320	362	3	28	273	1 050	<b>MB 56</b>

## Accessories (metric series)

Locking washers type MB . . A  
d 12 — 100 mm



Dimensions						Mass	Designation
d	d <sub>1</sub>	d <sub>2</sub>	B	f	M		
mm						g	—
12	17	25	1.2	3	10.5	2.5	MB 1 A
15	21	28	1.2	4	13.5	3.5	MB 2 A
17	24	32	1.2	4	15.5	3.5	MB 3 A
20	26	36	1.2	4	18.5	5	MB 4 A
25	32	42	1.8	5	23	8.5	MB 5 A
30	38	49	1.8	5	27.5	11	MB 6 A
35	44	57	1.8	6	32.5	15.5	MB 7 A
40	50	62	1.8	6	37.5	18	MB 8 A
45	56	69	1.8	6	42.5	21	MB 9 A
50	61	74	1.8	6	47.5	22.5	MB 10 A
55	67	81	2.5	8	52.5	36.5	MB 11 A
60	73	86	2.5	8	57.5	40	MB 12 A
65	79	92	2.5	8	62.5	50	MB 13 A
70	85	98	2.5	8	66.5	53	MB 14 A
75	90	104	2.5	8	71.5	58	MB 15 A
80	95	112	2.5	10	76.5	66	MB 16 A
85	102	119	2.5	10	81.5	76	MB 17 A
90	108	126	2.5	10	86.5	87	MB 18 A
95	113	133	2.5	10	91.5	94	MB 19 A
100	120	142	2.5	12	96.5	110	MB 20 A