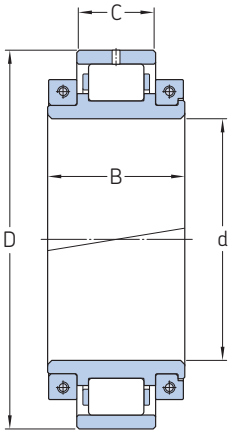
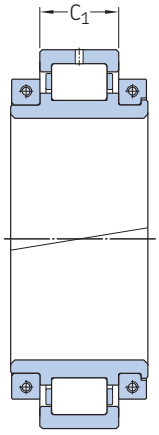
Shaft diameter	**Load ratings** dynamic	static	axial	**Limiting speed**	**Mass** Bearing	Cartridge	**Designations**[2] Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals
d_a	C	C_0	C_a						
mm/*in.*	kN			r/min	kg		–		
560	1 294	2 916	142	330	178	252	**01B560M**	**01C560M**	**01C27**
	2 790	5 556	272	310	336	379	**02B560M**	**02C560M**	**02C48**
	4 669	8 511	383	280	635	671	**03EB560M**	**03EC560M**	**03EC94**
580	1 387	3 138	144	310	195	273	**01B580M**	**01C580M**	**01C28**
	2 336	4 836	227	300	340	386	**02B580M**	**02C580M**	**02C49**
23	1 387	3 138	144	310	195	273	**01B2300**	**01C2300**	**01C28**
	2 336	4 836	227	300	340	386	**02B2300**	**02C2300**	**02C49**
	4 887	9 130	400	270	680	720	**03EB2300**	**03EC2300**	**03EC95**
600	1 431	3 311	147	300	210	290	**01B600M**	**01C600M**	**01C29**
	2 905	5 992	300	290	381	454	**02B600M**	**02C600M**	**02C50**
	4 887	9 130	400	270	680	720	**03EB600M**	**03EC600M**	**03EC95**
24	1 431	3 311	147	300	210	290	**01B2400**	**01C2400**	**01C29**
	2 905	5 992	300	290	381	454	**02B2400**	**02C2400**	**02C50**

2.2 Examples of large size split cylindrical roller bearings

d **610 – 1 250** mm
25 – 40 *in.*



Non-locating



Locating

Cartridges and housings are available on request. For additional information, contact SKF.

Principal dimensions				Load ratings dynamic	static	Designation[1]
d	D	B	C, C_1	C	C_0	
mm/*in.*	mm			kN		–
610	780	172	84,1	1 431	3 311	**01B610M**
613,2	980	370[2]	200[2]	5 593	9 863	**03EB613,2M**
630	794	190	88	1 780	4 181	**01B630M**
	980	361,6	216	7 036	14 708	**03B630M**
25	866,78	219,08	117,48	2 724	5 833	**02B2500**
650	860	220	120	2 724	5 833	**02B650M**
	980	320	200	5 738	11 253	**03EB650M**
26	980	320	200	5 738	11 253	**03EB2600**
670	900	260	142	3 923	8 652	**02B670M**
	1 050	410	250	8 866	18 398	**03B670M**
27	864	170	94	1 761	4 014	**01B2700**
690	864	170	94	1 761	4 014	**01B690M**
710	890	185	95	1 817	4 234	**01B710M**
	980	290	155	3 530	7 019	**02B710M**
	1 090	383	230	8 594	17 990	**03B710M**
28	892,18	184,15	87,31	1 682	4 038	**01B2800**
750	971,55	206	101,6	2 321	5 685	**01B750M**
	990	240	140	3 554	7 582	**02B750M**
	1 060	310	185	5 173	10 544	**03B750M**
775	945	165	80	1 762	3 974	**01B775M**
850	1 046	200	106	2 555	6 401	**01B850M**
	1 112	260	156	4 335	9 585	**02B850M**
	1 220	250	410	9 527	21 543	**03B850M**

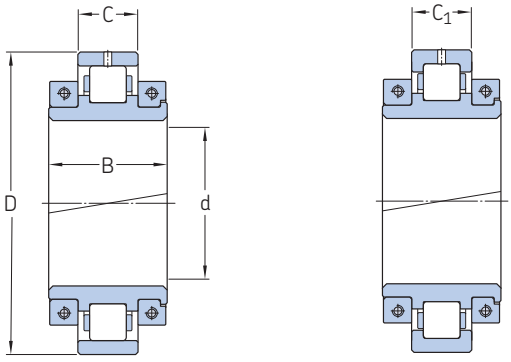
[1] Only basic designations are shown. A suffix is required to specify if the bearing is for the locating or non-locating position. Other bearing options are available on request. For additional information, refer to *Designations* on **page 186**.
[2] Dimensions of 03E B 613,2 refer to EXILOG type with roller and axial guide surfaces to outer ring only.

Principal dimensions				Load ratings		Designation[1]
				dynamic	static	
d	D	B	C, C_1	C	C_0	
mm/*in.*	mm			kN		–
860	1 170	330	190	5 698	12 404	**03B860M**
950	1 172	220	120	3 238	8 209	**01B950M**
	1 212	260	156	4 882	11 587	**02B950M**
	1 320	250	410	10 312	24 647	**03B950M**
40	1 270	260	139,7	3 958	10 084	**01B4000**
1 100	1 467	410	250	9 654	23 450	**03B1100M**
1 150	1 490	305	175	5 737	13 445	**4DSB1150M**
1 250	1 630	350	214	8 587	21 001	**03B1250M**

[1] Only basic designations are shown. A suffix is required to specify if the bearing is for the locating or non-locating position. Other bearing options are available on request. For additional information, refer to *Designations* on **page 186**.

2.3 Split cylindrical roller bearings, 04 series

d **340 – 1 550** mm
6 – 48 *in.*



Non-locating Locating

Principal dimensions				Load ratings		Limiting speed	Mass	Designation[1]
d	D	B	C, C_1	dynamic C	static C_0			
mm/*in.*	mm			kN		r/min	kg	–
6	257,18	79	38,1	198	246	3 000	14	**04B600**
10 5/8	365,13	103	48,4	336	367	2 470	27	**04B1010**
340	438,15	103	48,4	261	282	1 950	35	**04B340M**
13 1/2	438,15	103	48,4	261	282	1 950	34	**04B1308**
400	505	100	36	214	235	1 650	34	**04B400M**
17 1/2	546,1	108	48,4	302	367	1 460	45	**04B1708**
18 1/2	571,5	108	48,4	316	395	1 370	50	**04B1808**
20 3/4	635	114	48,4	326	423	1 210	54	**04B2012**
550	655	98	36	266	289	1 150	54	**04B550M**
22	666,75	101	38,1	361	452	1 130	54	**04B2200**
23	692,15	101	38,1	368	470	1 080	59	**04B2300**
24	717,55	101	38,1	413	543	1 020	61	**04B2400**
26 1/2	781,05	114	48,4	509	818	910	77	**04B2608**
30	882,65	114	44,5	372	509	780	95	**04B3000**
32	939,8	114	44,5	394	579	730	104	**04B3200**
33	965,2	114	44,5	403	602	705	104	**04B3300**
36	1 041,4	114	44,5	418	556	620	118	**04B3600**

[1] Only basic designations are shown. A suffix is required to specify if the bearing is for the locating or non-locating position. Other bearing options are available on request. For additional information, refer to *Designations* on **page 186**.

Principal dimensions				Load ratings		Limiting speed	Mass	Designation[1]
				dynamic	static			
d	D	B	C, C_1	C	C_0			
mm/*in.*	mm			kN		r/min	kg	–
1 060	1 220	127	60	954	1 472	560	180	**04B1060M**
44	1 295,4	168	76,2	1 339	1 822	140	200	**04B4400**
48	1 371,6	140	69,9	1 094	1 693	350	146	**04B4800**
1 295	1 435,1	127	63,5	988	1 606	340	193	**04B1295AM**
	1 473,2	168	76,2	1 831	2 877	120	313	**04B1295BM**
1 550	1 720	140	75	1 364	2 418	300	336	**04B1550M**

[1] Only basic designations are shown. A suffix is required to specify if the bearing is for the locating or non-locating position. Other bearing options are available on request. For additional information, refer to *Designations* on **page 186**.

3 Split tapered roller bearings

Split tapered roller bearings are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads in both directions, and they are intended for the locating bearing position of shafts.

Designs and variants

Split tapered roller bearings are available as locating (fixed type) bearings only (**fig. 1**) and:

- have a split outer ring
- have a split inner ring with integral flanges clamped to the shaft with clamping rings
- have a double roller and cage assembly
- can withstand both radial and axial loads in both directions
- provide axial location

Standard assortment

- 75 to 180 mm
- fitted with brass cages
- listed in the **product table** on **page 104**

Cartridges

- are machined for grease groove seals as standard
  - Other seal options are available on request.
  - Flanged units may also be supplied with a bulkhead sealing arrangement, **page 18**.
- are supplied with a drilled hole for attaching a temperature sensor
  - The proximity of the temperature element hole to the shaft means that if the sensor is a headed type, it will generally require an angled probe.
  - Alternative positions for the temperature sensor are possible.

Housings

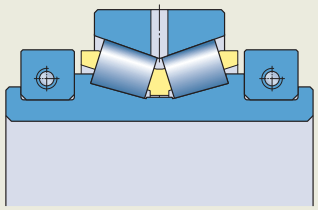
Split tapered roller bearings are suitable for various housing types, the most common being:

- plummer block housings (**product table**, **page 108**)
- flanged housings (**product table**, **page 150**)

Housings for split tapered roller bearings are made of ductile iron as standard.

Fig. 1

Split tapered roller bearing



Loads

Minimum load For additional information, → **page 13**	$F_{rm} \geq 0{,}01\ C$	**Symbols:** C basic dynamic load rating [kN] e calculation factor (→ **product table**, **page 104**) F_a axial load [kN] F_r radial load [kN] F_{rm} minimum radial load [kN] P equivalent dynamic bearing load [kN] P_0 equivalent static bearing load [kN] Y_0, Y_1, Y_2 calculation factors (→ **product table**, **page 104**)
Equivalent dynamic bearing load For additional information, → **page 11**	$F_a/F_r \leq e \rightarrow P = F_r + Y_1 F_a$ $F_a/F_r > e \rightarrow P = 0{,}67\ F_r + Y_2 F_a$	
Equivalent static bearing load For additional information, → **page 12**	$P_0 = F_r + Y_0 F_a$	

Temperature limits

The permissible operating temperature for SKF Cooper split tapered roller bearings can be limited by:

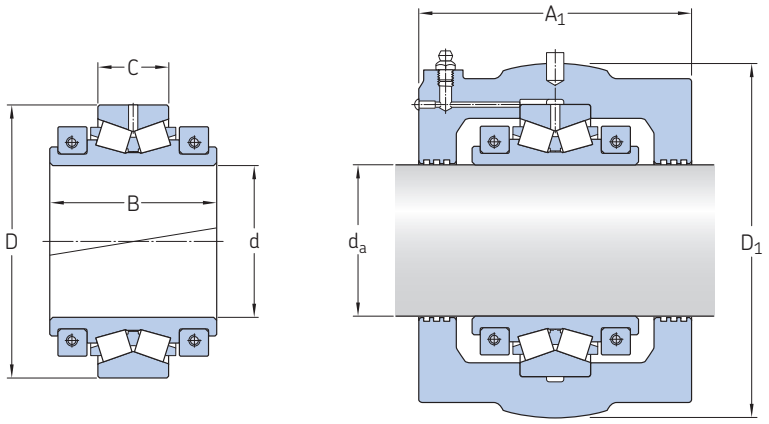
- the dimensional stability of the bearing rings and rolling elements
- the cages
- the seals
- the lubricant

The permissible operating temperature for standard bearings is normally up to 100 °C. The lower limit of operating temperatures is normally defined by the lubricant used. Refer to Lubrication section **page 21**.

Where temperatures outside the permissible range are expected, contact SKF. High temperature variants are available upon request.

3.1 Split tapered roller bearings and cartridges

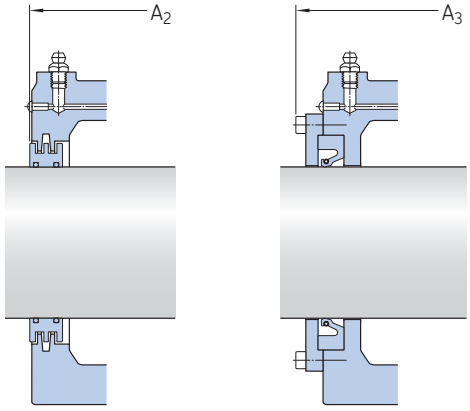
d_a **75 – 180** mm



Grease groove seals

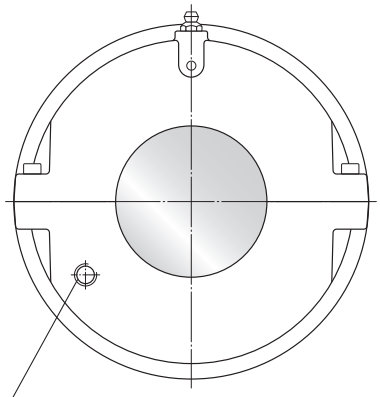
Shaft diameter and bearing/cartridge dimensions								Load ratings dynamic	static	Limiting speed	Designations[1] Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals
d_a, d	D	B	C	D_1	A_1	A_2	A_3	C	C_0				
mm								kN		r/min	–		
75	135	82,6	35	177,8	138	140	162	143	208	3 410	**1DTB75M**	**1DTC75GR75M**	**1DTC75GR30TL**
80	145	85	35	203,2	140	142	164	152	232	3 200	**1DTB80M**	**1DTC80GR80M**	**1DTC80GR35TL**
90	150	85	35	203,2	146	148	170	160	254	2 840	**1DTB90M**	**1DTC90GR90M**	**1DTC90GR35TL**
100	175	100	40	231,78	170	172	202	235	379	2 560	**1DTB100M**	**1DTC100GR100M**	**1DTC100GR40TL**
110	190	110	48	266,7	178	180	210	282	504	2 330	**1DTB110M**	**1DTC110GR110M**	**1DTC110GR45TL**
120	200	110	48	266,7	178	180	210	295	544	2 130	**1DTB120M**	**1DTC120GR120M**	**1DTC120GR50TL**
130	215	125	45	279,4	190	192	222	296	555	1 830	**1DTB130M**	**1DTC140GR130M**	**1DTC140GR50TL**
140	215	110	45	279,4	190	192	222	296	555	1 830	**1DTB140M**	**1DTC140GR140M**	**1DTC140GR55TL**
150	240	123,8	45	311,15	200	202	232	350	670	1 600	**1DTB150M**	**1DTC160GR150M**	**1DTC160GR60TL**
160	240	110	45	311,15	200	202	232	350	670	1 600	**1DTB160M**	**1DTC160GR160M**	**1DTC160GR65TL**
180	265	110	45	336,55	200	206	232	358	716	1 420	**1DTB180M**	**1DTC180GR180M**	**1DTC180GR70TL**

[1] Only basic designations are shown. Other bearing options are available on request. For additional information, refer to *Designations* on **page 186**. For cartridges with a lip seal, contact SKF.



Labyrinth seals

Lip seals



For temperature sensor

Shaft diameter	Calculation factors				Mass Bearing	Cartridge
d_a	Y_1	Y_2	Y_0	e		
mm	–				kg	
75	1,27	1,89	1,24	0,53	4	12
80	1,2	1,79	1,18	0,56	4,6	15
90	1,11	1,65	1,08	0,61	4,7	13,5
100	1,17	1,75	1,15	0,58	8,3	20
110	1,05	1,56	1,02	0,64	11,5	30
120	1	1,49	0,98	0,68	12	26,5
130	1,27	1,9	1,24	0,53	14	31
140	1,27	1,9	1,24	0,53	12	31
150	1,34	1,99	1,31	0,5	17	47
160	1,34	1,99	1,31	0,5	15	47
180	1,21	1,8	1,18	0,56	17	42,5

4 Plummer block housings

Plummer (pillow) block housings, also known as pedestals, are the most common method of mounting split roller bearings in cartridges.

Designs and variants

Plummer block housings can be used for both the locating and non-locating bearing position and are available in the following designs:

- two-bolt housings
- four-bolt housings (**fig. 1**)
- interchangeable housings
  - SNC500 series
  - SDC3100 series
  - SAFC500 series
- interchangeable angled housings
  - SNQ series
  - SDQ series
  - SAFQ series (**fig. 2**)

Interchangeable housings

Interchangeable housings are designed with height-to-centre and bolt hole configurations that match industry standard SN, SD, and SAF plummer block units. However, the footprint, overall height, and length on the shaft may differ and should be checked against the available space.

The housings:

- may be used to economically replace existing units with non-split bearings
- may be incorporated into new machinery where the envelope dimensions of these housings are desirable
- typically contain split cylindrical roller bearings in the 01/01E or 02/02E series
- may accommodate bearings and cartridges of different series and sizes if the loading conditions permit
- sometimes contain bearings and cartridges with a reduced outside diameter in order to provide adequate plummer block base thickness. However, the load ratings of the standard bearings of the same bore size still apply.

Angled housings

Angled housings are designed for a location where there is a particularly difficult access for mounting the plummer block base.

The angled joint (tenon-style) of the plummer block allows the housing base to be slid into position under the shaft without the need to hoist it, and is therefore suitable where:

- there is no other means (such as removable packing) to create extra height between the mounting structure and the shaft
- there is no possibility of putting the housing base under the shaft in an area of greater clearance and moving axially into position.

Housing materials

SDC, SAFC, SNQ, SDQ, and SAFQ housings are made of ductile iron (grade EN-GJS-400/18 in accordance with BS EN 1563), as standard.

All other housings, including SNC series are made of:

- grey cast iron (grade EN-GJL-250 in accordance with BS EN 1561), as standard
- ductile iron, e.g. for impact or pulsating loads, available on request
- steel, e.g. for impact or pulsating loads, available on request

Fig. 1

Four-bolt plummer block housing

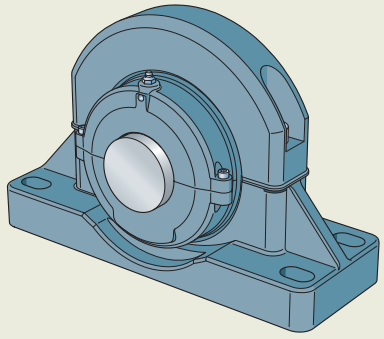
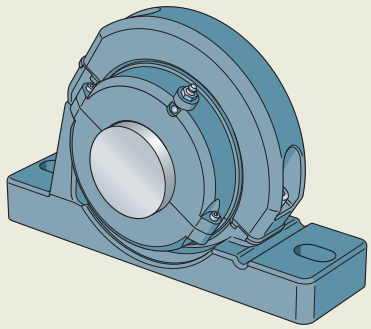


Fig. 2

Angled plummer block housing (SAFQ)



Permissible misalignment

Under constant or slowly changing alignment conditions, there is a permissible misalignment up to 2,5 ° without compromising sealing capability.

Loads

The maximum safe radial load for a plummer block housing is based on the basic static load rating (C_0) of the corresponding size of split roller bearing. The load can be applied in full when the angle of the load falls within the shaded area of **fig. 3**, except for:

- housings in the SNC500 series, where the maximum load is reduced to 50% of the basic static load rating (C_0)
- angled housings, where the maximum load is reduced to 50% of the basic static load rating (C_0) when the angle of the load falls within the shaded area of **fig. 4**

Contact SKF in the following cases:

- the radial load falls outside the shaded areas of **fig. 3** or **fig. 4**
- the radial load exceeds the basic static load rating (C_0)
- the axial loads exceed 50% of the axial load rating (C_a) of the corresponding size of split roller bearing

The permissible axial load of a plummer block housing is typically:

- 35% of the bearing axial load rating (C_a) when used with 100 series split cylindrical roller bearings
- 26% of the bearing axial load rating (C_a) when used with 01E and 02E series split cylindrical roller bearings

For 01, 02, and 03/03E series split cylindrical roller bearings, as well as split tapered roller bearings, contact SKF.

Design considerations

To maximize bearing service life and prevent deformation of the housing bore, SKF recommends the plummer block housing supporting surface to have:

- a flatness to tolerance grade IT7, in accordance with ISO 1101
- a surface roughness Ra ≤ 12,5 µm

For loads within 45° of the horizontal, the base should be chocked or dowelled.

Fig. 3

Load position in plummer block housings

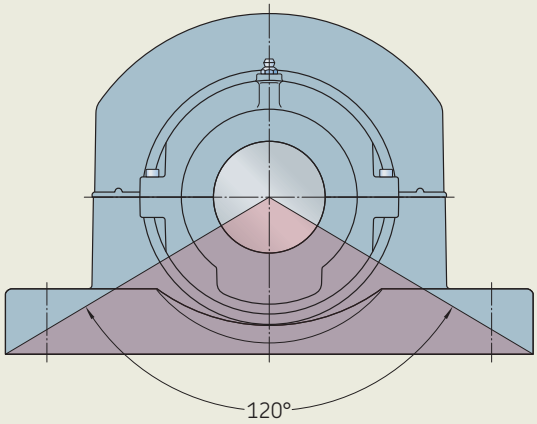
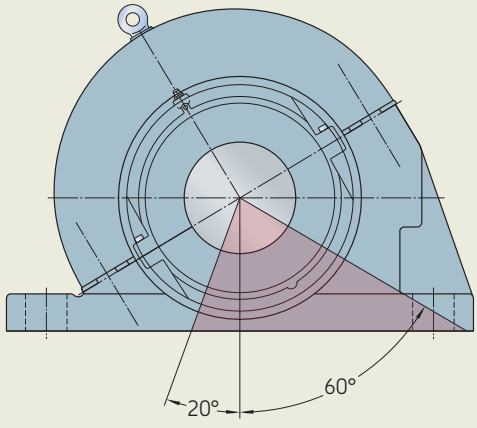


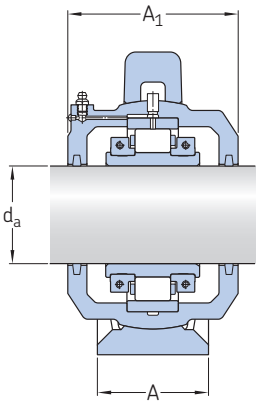
Fig. 4

Load position in angled plummer block housings

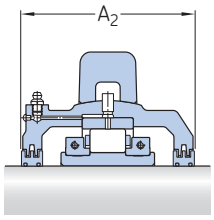


4.1 Plummer block housings for split cylindrical roller bearings

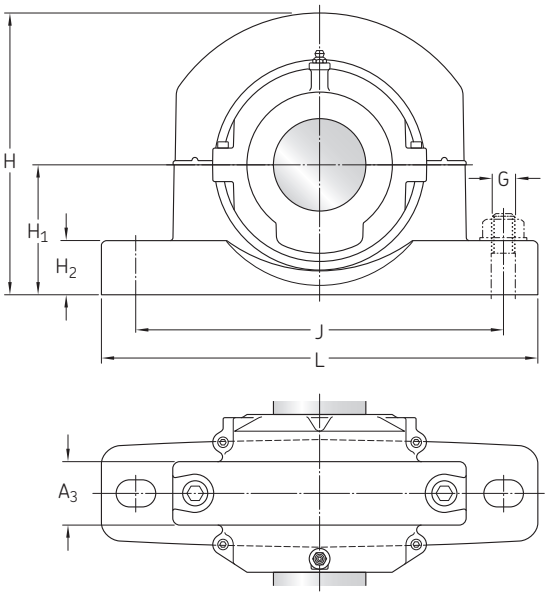
d_a **35 – 55** mm
1 3/16 – 2 1/4 *in.*



Felt seals



Labyrinth seals



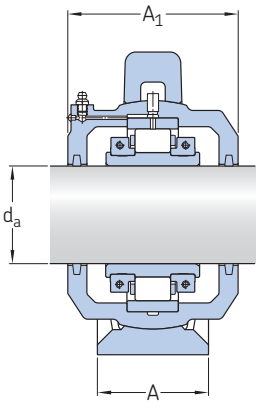
Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
1 3/16	**P01**	**01EB103**	–	**01C1**
1 1/4	**P01**	**01EB104**	–	**01C1**
35	**P01**	**01EB35M**	–	**01C1**
1 7/16	**P01**	**01EB107**	–	**01C1**
1 1/2	**P01**	**01EB108**	–	**01C1**
40	**P01**	**01EB40M**	**01C40M**	**01C1**
1 11/16	**P02**	**01EB111**	**01C111**	**01C2**
1 3/4	**P02**	**01EB112**	**01C112**	**01C2**
45	**P02**	**01EB45M**	**01C45M**	**01C2**
1 15/16	**P02** **P03**	**01EB115** **02EB115**	**01C115** **02C115**	**01C2** **02C3**
50	**P02** **P03**	**01EB50M** **02EB50M**	**01C50M** **02C50M**	**01C2** **02C3**
2	**P02** **P03**	**01EB200** **02EB200**	**01C200** **02C200**	**01C2** **02C3**
55	**P03**	**01EB55M**	**01C55M**	**01C3**
2 3/16	**P03** **P04**	**01EB203** **0E2B203**	**01C203** **02C203**	**01C3** **02C4**
2 1/4	**P03** **P04**	**01EB204** **0E2B204**	**01C204** **02C204**	**01C3** **02C4**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.

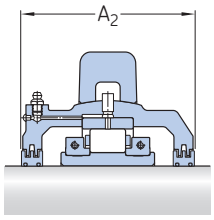
Shaft diameter	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	max.	L	G	
mm/*in.*	mm										–	kg
1 3/16	60	86	86	25	138	60	22	172	192	228	M12 or *1/2 in.*	2,5
1 1/4	60	86	86	25	138	60	22	172	192	228	M12 or *1/2 in.*	2,5
35	60	86	86	25	138	60	22	172	192	228	M12 or *1/2 in.*	2,5
1 7/16	60	86	86	25	138	60	22	172	192	228	M12 or *1/2 in.*	2,5
1 1/2	60	86	86	25	138	60	22	172	192	228	M12 or *1/2 in.*	2,5
40	60	86	86	25	138	60	22	172	192	228	M12 or *1/2 in.*	2,5
1 11/16	60	98	98	25	158	70	25	203	227	270	M16 or *5/8 in.*	3,2
1 3/4	60	98	98	25	158	70	25	203	227	270	M16 or *5/8 in.*	3,2
45	60	98	98	25	158	70	25	203	227	270	M16 or *5/8 in.*	3,2
1 15/16	60 70	98 114	98 114	25 32	158 180	70 80	25 32	203 226	227 242	270 280	M16 or *5/8 in.* M16 or *5/8 in.*	3,2 4,9
50	60 70	98 114	98 114	25 32	158 180	70 80	25 32	203 226	227 242	270 280	M16 or *5/8 in.* M16 or *5/8 in.*	3,2 4,9
2	60 70	98 114	98 114	25 32	158 180	70 80	25 32	203 226	227 242	270 280	M16 or *5/8 in.* M16 or *5/8 in.*	3,2 4,9
55	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
2 3/16	70 76	104 126	104 126	32 38	180 208	80 95	32 38	226 260	242 280	280 330	M16 or *5/8 in.* M20 or *3/4 in.*	4,9 6,9
2 1/4	70 76	104 126	104 126	32 38	180 208	80 95	32 38	226 260	242 280	280 330	M16 or *5/8 in.* M20 or *3/4 in.*	4,9 6,9

4.1 Plummer block housings for split cylindrical roller bearings

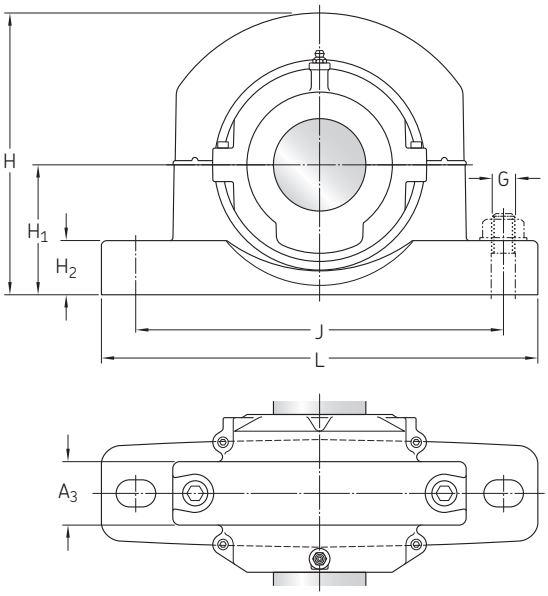
d_a **60 – 80** mm
2 7/16 – 3 *in.*



Felt seals



Labyrinth seals



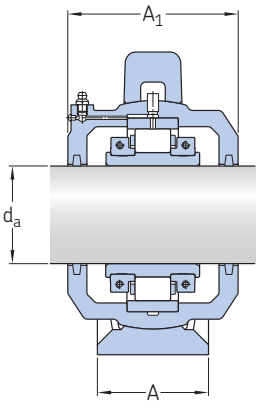
Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
60	**P03** **P04**	**01EB60M** **02EB60M**	**01C60M** **02C60M**	**01C3** **02C4**
2 7/16	**P03** **P04**	**01EB207** **02EB207**	**01C207** **02C207**	**01C3** **02C4**
2 1/2	**P03** **P04**	**01EB208** **02EB208**	**01C208** **02C208**	**01C3** **02C4**
65	**P03** **P04**	**01EB65M** **02EB65M**	**01C65M** **02C65M**	**01C3** **02C4**
2 11/16	**P04** **P05**	**01EB211** **02EB211**	**01C211** **02C211**	**01C4** **02C5**
2 3/4	**P04** **P05**	**01EB212** **02EB212**	**01C212** **02C212**	**01C4** **02C5**
70	**P04** **P05**	**01EB70M** **02EB70M**	**01C70M** **02C70M**	**01C4** **02C5**
2 15/16	**P03** **P04** **P05**	**100B215** **01EB215** **02EB215**	**100C215** **01C215** **02C215**	**100C3** **01C4** **02C5**
75	**P03** **P04** **P05**	**100B75M** **01EB75M** **02EB75M**	**100C75M** **01C75M** **02C75M**	**100C3** **01C4** **02C5**
3	**P03** **P04** **P05**	**100B300** **01EB300** **02EB300**	**100C300** **01C300** **02C300**	**100C3** **01C4** **02C5**
80	**P05** **P06**	**01EB80M** **02EB80M**	**01C80M** **02C80M**	**01C5** **02C6**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.

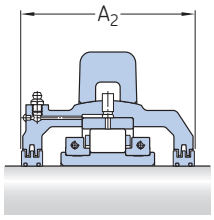
Shaft diameter	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	max.	L	G	
mm/*in.*	mm										–	kg
60	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	126	126	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
2 7/16	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	126	126	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
2 1/2	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	126	126	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
65	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	126	126	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
2 11/16	76	114	114	38	208	95	38	260	280	330	M16 or *5/8 in.*	6,9
	90	140	140	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
2 3/4	76	114	114	38	208	95	38	260	280	330	M16 or *5/8 in.*	6,9
	90	140	140	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
70	76	114	114	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
	90	140	140	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
2 15/16	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	114	114	38	208	95	38	260	280	330	M16 or *5/8 in.*	6,9
	90	140	140	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
75	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	114	114	38	208	95	38	260	280	330	M16 or *5/8 in.*	6,9
	90	140	140	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
3	70	104	104	32	180	80	32	226	242	280	M16 or *5/8 in.*	4,9
	76	114	114	38	208	95	38	260	280	330	M16 or *5/8 in.*	6,9
	90	140	140	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
80	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5

4.1 Plummer block housings for split cylindrical roller bearings

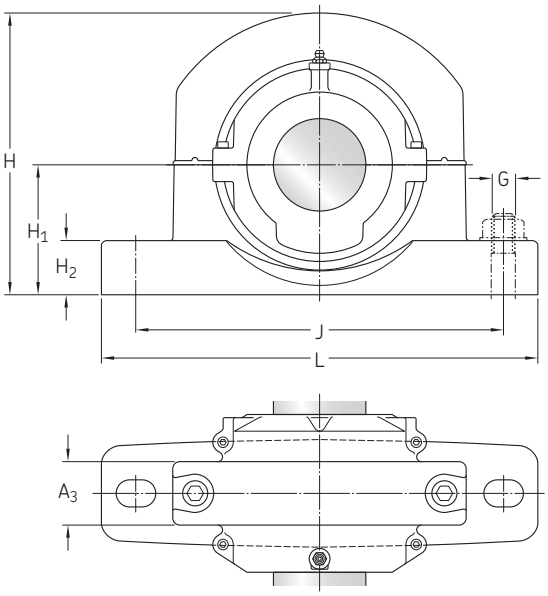
d_a **85 – 95** mm
3 3/16 – 3 3/4 *in.*



Felt seals



Labyrinth seals



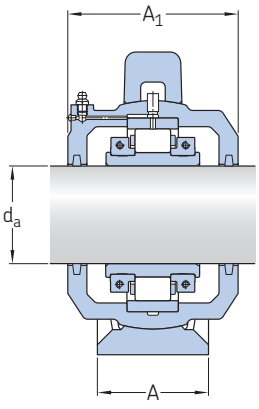
Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
3 3/16	**P05**	**01EB303**	**01C303**	**01C5**
	P06	**02EB303**	**02C303**	**02C6**
3 1/4	**P05**	**01EB304**	**01C304**	**01C5**
	P06	**02EB304**	**02C304**	**02C6**
85	**P04**	**100B85M**	**100C85M**	**100C4**
	P05	**01EB85M**	**01C85M**	**01C5**
	P06	**02EB85M**	**02C85M**	**02C6**
3 7/16	**P04**	**100B307**	**100C307**	**100C4**
	P05	**01EB307**	**01C307**	**01C5**
	P06	**02EB307**	**02C307**	**02C6**
3 1/2	**P05**	**01EB308**	**01C308**	**01C5**
	P06	**02EB308**	**02C308**	**02C6**
90	**P05**	**01EB90M**	**01C90M**	**01C5**
	P06	**02EB90M**	**02C90M**	**02C6**
3 11/16	**P06**	**01EB311**	**01C311**	**01C6**
	P07	**02EB311**	**02C311**	**02C7**
95	**P06**	**01EB95M**	**01C95M**	**01C6**
3 3/4	**P06**	**01EB312**	**01C312**	**01C6**
	P07	**02EB312**	**02C312**	**02C7**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.

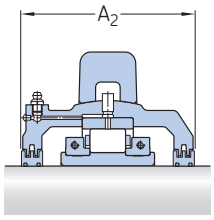
Shaft diameter	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	 max.	L	G	
mm/*in.*	mm										–	kg
3 3/16	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
3 1/4	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
85	76	114	114	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
3 7/16	76	114	114	38	208	95	38	260	280	330	M20 or *3/4 in.*	6,9
	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
3 1/2	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
90	90	136	136	50	252	112	44	312	328	380	M24 or *7/8 in.*	13,5
	102	154	154	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
3 11/16	102	134	134	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
	120	146	146	64	314	143	60	374	410	466	M24 or *7/8 in.*	20,5
95	102	134	134	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
3 3/4	102	134	134	50	272	125	52	342	366	420	M24 or *7/8 in.*	14,5
	120	146	146	64	314	143	60	374	410	466	M24 or *7/8 in.*	20,5

4.1 Plummer block housings for split cylindrical roller bearings

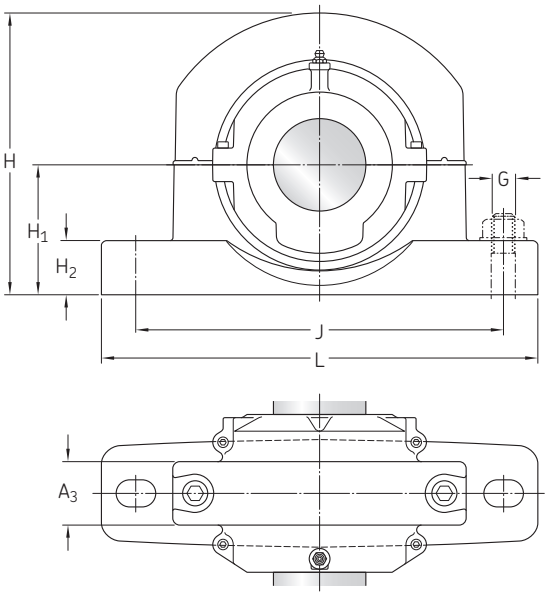
d_a **100 – 115** mm
3 15/16 – 4 1/2 *in.*



Felt seals



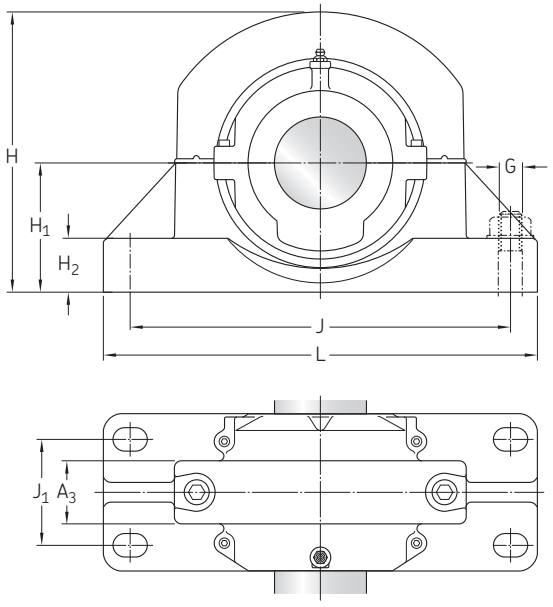
Labyrinth seals



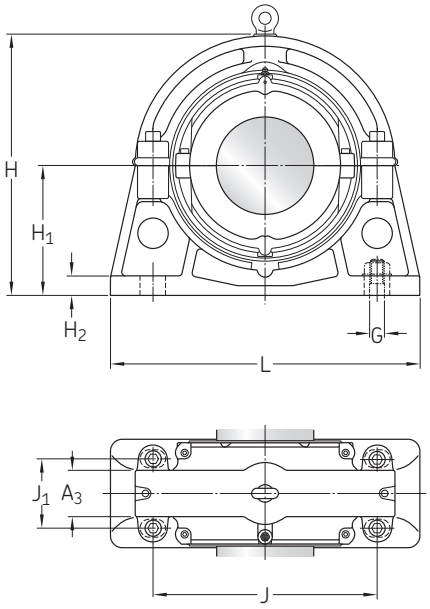
P05, P06, P07

Shaft diameter	Designations[1]			
	Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
d_a				
mm/*in.*	–			
100	**P05**	**100B100M**	**100C100M**	**100C5**
	P06	**01EB100M**	**01C100M**	**01C6**
	P07	**02EB100M**	**02C100M**	**02C7**
	P54	**03B100M**	**03C100M**	**03C54**
3 15/16	**P05**	**100B315**	**100C315**	**100C5**
	P06	**01EB315**	**01C315**	**01C6**
	P07	**02EB315**	**02C315**	**02C7**
	P54	**03B315**	**03C315**	**03C54**
4	**P05**	**100B400**	**100C400**	**100C5**
	P06	**01EB400**	**01C400**	**01C6**
	P07	**02EB400**	**02C400**	**02C7**
	P54	**03B400**	**03C400**	**03C54**
105	**P06**	**01EB105M**	**01C105M**	**01C6**
	P07	**02EB105M**	**02C105M**	**02C7**
4 3/16	**P07**	**01EB403**	**01C403**	**01C7**
	P08	**02EB403**	**02C403**	**02C8**
110	**P06**	**100B110M**	**100C110M**	**100C6**
	P07	**01EB110M**	**01C110M**	**01C7**
	P08	**02EB110M**	**02C110M**	**02C8**
	P55	**03B110M**	**03C110M**	**03C55**
4 7/16	**P06**	**100B407**	**100C407**	**100C6**
	P07	**01EB407**	**01C407**	**01C7**
	P08	**02EB407**	**02C407**	**02C8**
	P55	**03B407**	**03C407**	**03C55**
4 1/2	**P06**	**100B408**	**100C408**	**100C6**
	P07	**01EB408**	**01C408**	**01C7**
	P08	**02EB408**	**02C408**	**02C8**
	P55	**03B408**	**03C408**	**03C55**
115	**P06**	**100B115M**	**100C115M**	**100C6**
	P07	**01EB115M**	**01C115M**	**01C7**
	P08	**02EB115M**	**02C115M**	**02C8**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.



P08

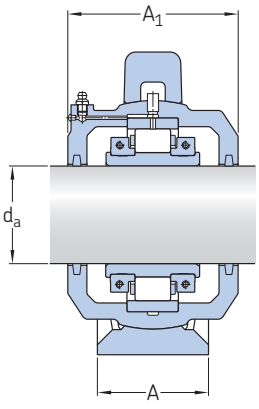


P54, P55

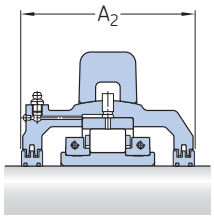
Shaft diameter	Dimensions											Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm/*in.*	mm											–	kg
100	90	136	136	50	252	112	44	312	328	–	380	M24 or *7/8 in.*	13,5
	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	146	146	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	152	200	206	95	405	191	38	426	450	82	514	M24 or *7/8 in.*	61
3 15/16	90	136	136	50	380	112	44	312	328	–	252	M24 or *7/8 in.*	13,5
	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	146	146	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	152	200	206	95	405	191	38	426	450	82	514	M24 or *7/8 in.*	61
4	90	136	136	50	380	112	44	312	328	–	252	M24 or *7/8 in.*	13,5
	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	146	146	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	152	200	206	95	405	191	38	426	450	82	514	M24 or *7/8 in.*	61
105	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	146	146	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
4 3/16	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	162	162	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
110	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	162	162	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	166	210	222	102	425	197	38	446	470	88	534	M24 or *1 in.*	69
4 7/16	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	162	162	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	166	210	222	102	425	197	38	446	470	88	534	M24 or *1 in.*	69
4 1/2	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	162	162	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	166	210	222	102	425	197	38	446	470	88	534	M24 or *1 in.*	69
115	102	134	134	50	272	125	52	342	366	–	420	M24 or *7/8 in.*	14,5
	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	162	162	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5

4.1 Plummer block housings for split cylindrical roller bearings

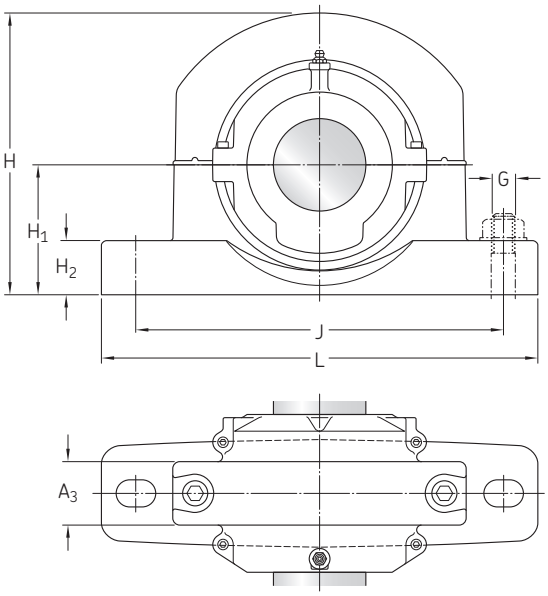
d_a **120 – 135** mm
4 15/16 – 5 1/2 *in.*



Felt seals



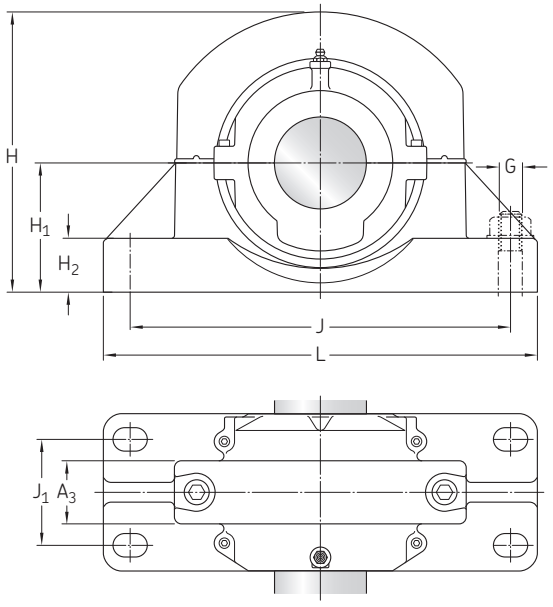
Labyrinth seals



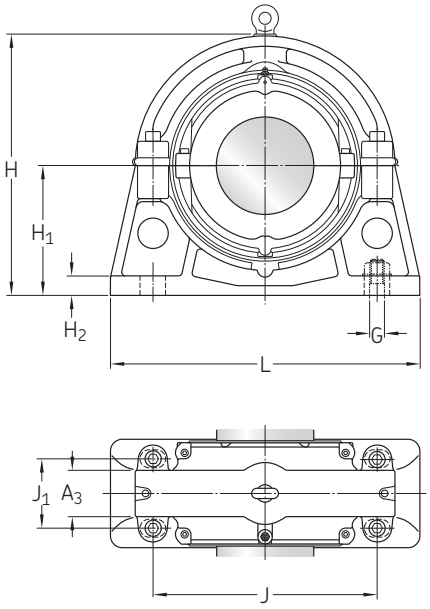
P07

Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
120	**P07**	**100B120M**	**100C120M**	**100C7**
	P08	**01EB120M**	**01C120M**	**01C8**
	P10	**02EB120M**	**02C120M**	**02C10**
	P55	**03B120M**	**03C120M**	**03C55**
125	**P07**	**100B125M**	**100C125M**	**100C7**
	P08	**01EB125M**	**01C125M**	**01C8**
	P10	**02EB125M**	**02C125M**	**02C10**
4 15/16	**P07**	**100B415**	**100C415**	**100C7**
	P08	**01EB415**	**01C415**	**01C8**
	P10	**02EB415**	**02C415**	**02C10**
	P56	**03B415**	**03C415**	**03C56**
5	**P07**	**100B500**	**100C500**	**100C7**
	P08	**01EB500**	**01C500**	**01C8**
	P10	**02EB500**	**02C500**	**02C10**
	P56	**03B500**	**03C500**	**03C56**
130	**P07**	**100B130M**	**100C130M**	**100C7**
	P08	**01EB130M**	**01C130M**	**01C8**
	P10	**02EB130M**	**02C130M**	**02C10**
	P56	**03B130M**	**03C130M**	**03C56**
5 3/16	**P09**	**01EB503**	**01C503**	**01C9**
	P30	**02EB503**	**02C503**	**02C30**
135	**P09**	**01EB135M**	**01C135M**	**01C9**
5 7/16	**P08**	**100B507**	**100C507**	**100C8**
	P09	**01EB507**	**01C507**	**01C9**
	P30	**02EB507**	**02C507**	**02C30**
	P57	**03B507**	**03C507**	**03C57**
5 1/2	**P08**	**100B508**	**100C508**	**100C8**
	P09	**01EB508**	**01C508**	**01C9**
	P30	**02EB508**	**02C508**	**02C30**
	P57	**03B508**	**03C508**	**03C57**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.



P08, P09, P30

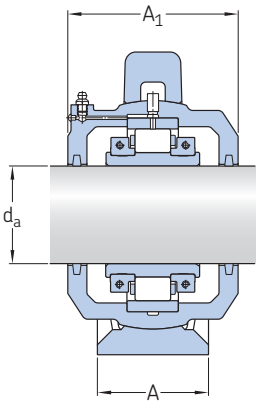


P55, P56, P57

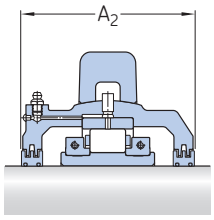
Shaft diameter	Dimensions											Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm/*in.*	mm											–	kg
120	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	184	184	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	166	210	222	102	425	197	38	446	470	88	534	M24 or *1 in.*	69
125	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	184	184	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
4 15/16	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	184	184	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	166	214	222	102	435	203	48	458	482	96	546	M24 or *1 in.*	74
5	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	184	184	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	166	214	222	102	435	203	48	458	482	96	546	M24 or *1 in.*	74
130	120	142	142	64	314	143	60	374	410	–	466	M24 or *7/8 in.*	20,5
	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	184	184	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	166	214	222	102	435	203	48	458	482	96	546	M24 or *1 in.*	74
5 3/16	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	188	188	90	460	203	51	534	558	120	610	M24 or *1 in.*	76
135	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
5 7/16	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	188	188	90	460	203	51	534	558	120	610	M24 or *1 in.*	76
	178	216	230	108	485	229	54	494	534	102	622	M30 or *1 1/4 in.*	97
5 1/2	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	188	188	90	460	203	51	534	558	120	610	M24 or *1 in.*	76
	178	216	230	108	485	229	54	494	534	102	622	M30 or *1 1/4 in.*	97

4.1 Plummer block housings for split cylindrical roller bearings

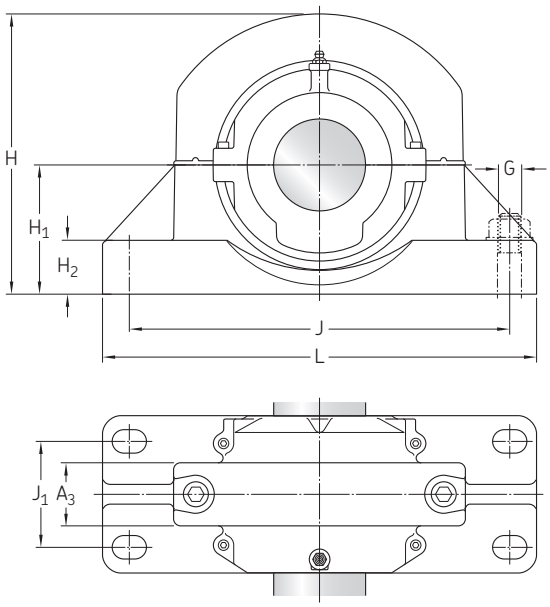
d_a **140 – 160** mm
5 15/16 – 6 1/2 *in.*



Felt seals



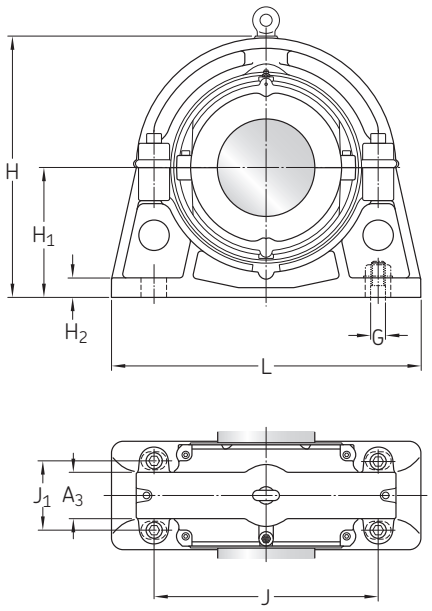
Labyrinth seals



P08, P09, P10, P30, P31

Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
140	**P08**	**100B140M**	**100C140M**	**100C8**
	P09	**01EB140M**	**01C140M**	**01C9**
	P30	**02EB140M**	**02C140M**	**02C30**
	P57	**03B140M**	**03C140M**	**03C57**
145	**P30**	**02EB145M**	**02C145M**	**02C30**
150	**P09**	**100B150M**	**100C150M**	**100C9**
	P10	**01EB150M**	**01C150M**	**01C10**[2]
	P31	**02EB150M**	**02C150M**	**02C31**[2]
	P58	**03B150M**	**03C150M**	**03C58**
5 15/16	**P09**	**100B515**	**100C515**	**100C9**
	P10	**01EB515**	**01C515**	**01C10**
	P31	**02EB515**	**02C515**	**02C31**
	P58	**03B515**	**03C515**	**03C58**
6	**P09**	**100B600**	**100C600**	**100C9**
	P10	**01EB600**	**01C600**	**01C10**
	P31	**02EB600**	**02C600**	**02C31**
	P58	**03B600**	**03C600**	**03C58**
155	**P10**	**01EB155M**	**01C155M**	**01C10**
	P31	**02EB155M**	**02C155M**	**02C31**
160	**P10**	**01EB160MEX10**[2]	**01C160MEX14**[2]	**01C10EX10**[2]
	P10	**01EB160MGR10**[2]	**01C160MGR10**[2]	**01C10GR10**[2]
	P11	**01EB160M**	**01C160M**	**01C11**
	P31	**02EB160MEX10**[2]	**02C160MEX10**[2]	**02C31EX10**[2]
	P31	**02EB160MGR10**[2]	**02C160MGR10**[2]	**02C31GR10**[2]
	P32	**02EB160M**	**02C160M**	**02C32**
	P59	**03B160M**	**03C160M**	**03C59**
6 7/16	**P11**	**01EB607**	**01C607**	**01C11**
	P32	**02EB607**	**02C607**	**02C32**
	P59	**03B607**	**03C607**	**03C59**
6 1/2	**P11**	**01EB608**	**01C608**	**01C11**
	P32	**02EB608**	**02C608**	**02C32**
	P59	**03B608**	**03C608**	**03C59**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.
[2] Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

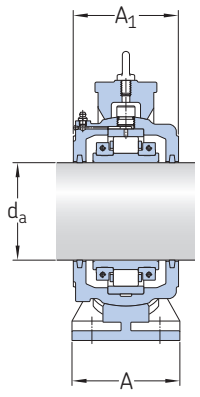


P11, P32, P57, P58, P59

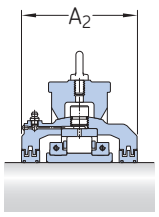
Shaft diameter	Dimensions											Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm/*in.*	mm											–	kg
140	178	156	156	76	372	162	38	438	462	120	508	M24 or *7/8 in.*	43,5
	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	188	188	90	460	203	51	534	558	120	610	M24 or *1 in.*	76
	178	216	230	108	485	229	54	494	534	102	622	M30 or *1 1/4 in.*	97
145	178	188	188	90	460	203	51	534	558	120	610	M24 or *1 in.*	76
150	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	174	174	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	204	204	204	95	470	210	50	546	570	128	636	M24 or *1 in.*	83
	204	232	254	114	535	254	57	538	578	120	666	M30 or *1 1/4 in.*	142
5 15/16	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	174	174	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	204	204	204	95	470	210	50	546	570	128	636	M24 or *1 in.*	83
	204	232	254	114	535	254	57	538	578	120	666	M30 or *1 1/4 in.*	142
6	178	168	168	76	405	181	41	470	494	120	558	M24 or *7/8 in.*	52
	178	174	174	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	204	204	204	95	470	210	50	546	570	128	636	M24 or *1 in.*	83
	204	232	254	114	535	254	57	538	578	120	666	M30 or *1 1/4 in.*	142
155	178	174	174	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	204	204	204	95	470	210	50	546	570	128	636	M24 or *1 in.*	83
160	178	174	174	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	178	174	174	82	415	181	41	484	508	120	558	M24 or *7/8 in.*	54
	178	172	192	76	430	213	32	356	380	114	508	M24 or *1 in.*	53
	204	204	204	95	470	210	50	546	570	128	636	M24 or *1 in.*	83
	204	204	204	95	470	210	50	546	570	128	636	M24 or *1 in.*	83
	242	206	232	95	535	267	44	428	468	172	596	M30 or *1 1/4 in.*	106
	228	244	268	120	570	267	60	608	648	140	736	M30 or *1 1/4 in.*	162
6 7/16	178	172	192	76	430	213	32	356	380	114	508	M24 or *1 in.*	53
	242	206	232	95	535	267	44	428	468	172	596	M30 or *1 1/4 in.*	106
	228	244	268	120	570	267	60	608	648	140	736	M30 or *1 1/4 in.*	162
6 1/2	178	172	192	76	430	213	32	356	380	114	508	M24 or *1 in.*	53
	242	206	232	95	535	267	44	428	468	172	596	M30 or *1 1/4 in.*	106
	228	244	268	120	570	267	60	608	648	140	736	M30 or *1 1/4 in.*	162

4.1 Plummer block housings for split cylindrical roller bearings

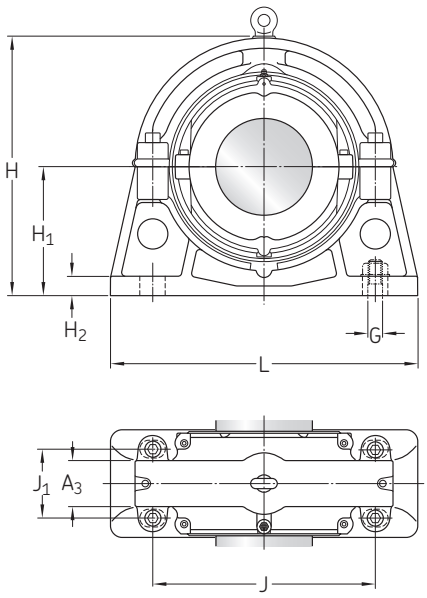
d_a **170 – 200** mm
6 15/16 – 8 *in.*



Felt seals



Labyrinth seals



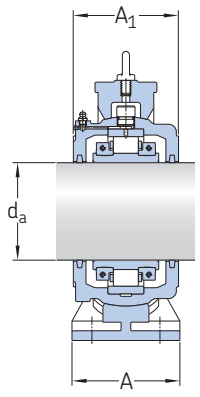
Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
170	**P11**	**01EB170MEX13**[3]	**01C170MEX13**[3]	**01C11EX10**[3]
	P11	**01EB170MGR14**[3]	**01C170MGR15**[3]	**01C11GR10**[3]
	P12	**01EB170M**	**01C170M**	**01C12**
	P32	**02EB170M**	**02C170M**	**02C32EX10**[3]
	P32	**02EB170M**	**02C170M**	**02C32GR10**[3]
	P59	**03B170M**	**03C170M**	**03C59**
175	**P12**	**01EB175M**	**01C175M**	**01C12**
	P33	**02EB175M**	**02C175M**	**02C33**
6 15/16	**P12**	**01EB615**	**01C615**	**01C12**
	P33	**02EB615**	**02C615**	**02C33**
	P60	**03B615**	**03C615**	**03C60**
7	**P12**	**01EB700**	**01C700**	**01C12**
	P33	**02EB700**	**02C700**	**02C33**
	P60	**03B700**	**03C700**	**03C60**
180	**P12**	**01EB180M**	**01C180M**	**01C12**
	P33	**0E2B180M**	**02C180M**	**02C33**
	P60	**03B180M**	**03C180M**	**03C60**
190	**P13**	**01EB190M**	**01C190M**	**01C13**
	P34	**02EB190M**	**02C190M**	**02C34**
	P61	**03B190M**	**03C190M**	**03C61**
200	**P12**	**100B200M**	**100C200M**	[2]
	P13	**01EB200M**	**01C200M**	**01C13**
	P34	**02EB200M**	**02C200M**	**02C34**
	P61	**03B200M**	**03C200M**	**03C61**
7 15/16	**P12**	**100B715**	**100C715**	[2]
	P13	**01EB715**	**01C715**	**01C13**
	P34	**02EB715**	**02C715**	**02C34**
	P61	**03B715**	**03C715**	**03C61**
8	**P12**	**100B800**	**100C800**	[2]
	P13	**01EB800**	**01C800**	**01C13**
	P34	**02EB800**	**02C800**	**02C34**
	P61	**03B800**	**03C800**	**03C61**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.
[2] Contact SKF.
[3] Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

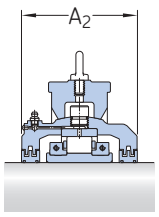
Shaft diameter	Dimensions											Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm/*in.*	mm											–	kg
170	178	172	192	76	430	213	32	356	380	114	508	M24 or *1 in.*	53
	178	172	192	76	430	213	32	356	380	114	508	M24 or *1 in.*	53
	190	172	200	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	242	206	232	95	535	267	44	428	468	172	596	M30 or *1 1/4 in.*	106
	242	206	232	95	535	267	44	428	468	172	596	M30 or *1 1/4 in.*	106
	228	244	268	120	570	267	60	608	648	140	736	M30 or *1 1/4 in.*	162
175	190	172	200	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	242	222	242	95	545	273	44	438	478	166	636	M30 or *1 1/4 in.*	116
6 15/16	190	172	200	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	242	222	242	95	545	273	44	438	478	166	636	M30 or *1 1/4 in.*	116
	254	254	284	132	580	279	64	616	656	152	762	M30 or *1 1/4 in.*	172
7	190	172	200	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	242	222	242	95	545	273	44	438	478	166	636	M30 or *1 1/4 in.*	116
	254	254	284	132	580	279	64	616	656	152	762	M12 or *1/2 in.*	172
180	190	172	200	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	242	222	242	95	545	273	44	438	478	166	636	M30 or *1 1/4 in.*	116
	254	254	284	132	580	279	64	616	656	152	762	M30 or *1 1/4 in.*	172
190	204	172	200	86	495	248	38	410	434	140	572	M24 or *1 in.*	83
	266	235	258	105	610	305	50	488	528	190	686	M30 or *1 1/4 in.*	145
	266	270	300	146	655	311	67	616	656	172	838	M36 or *1 1/2 in.*	223
200	190	172	[2]	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	204	172	200	86	495	248	38	410	434	140	572	M24 or *1 in.*	83
	266	235	258	105	610	305	50	488	528	190	686	M30 or *1 1/4 in.*	145
	266	270	300	146	655	311	67	616	656	172	838	M36 or *1 1/2 in.*	223
7 15/16	190	172	[2]	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	204	172	200	86	495	248	38	410	434	140	572	M24 or *1 in.*	83
	266	235	258	105	610	305	50	488	528	190	686	M30 or *1 1/4 in.*	145
	266	270	300	146	655	311	67	616	656	172	838	M36 or *1 1/2 in.*	223
8	190	172	[2]	70	470	235	35	376	400	128	534	M24 or *1 in.*	63
	204	172	200	86	495	248	38	410	434	140	572	M24 or *1 in.*	83
	266	235	258	105	610	305	50	488	528	190	686	M30 or *1 1/4 in.*	145
	266	270	300	146	655	311	67	616	656	172	838	M36 or *1 1/2 in.*	223

4.1 Plummer block housings for split cylindrical roller bearings

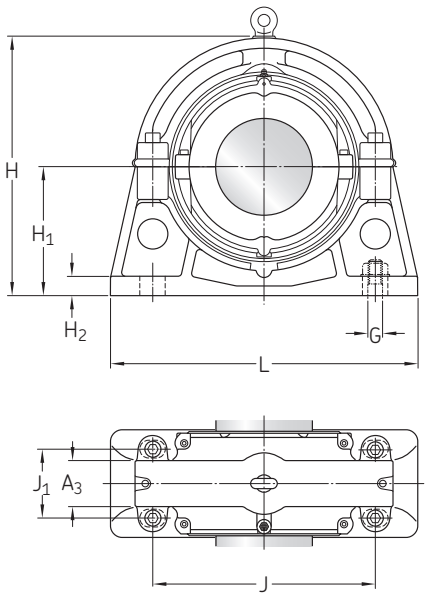
d_a **220 – 275** mm
9 – 10 *in.*



Felt seals



Labyrinth seals



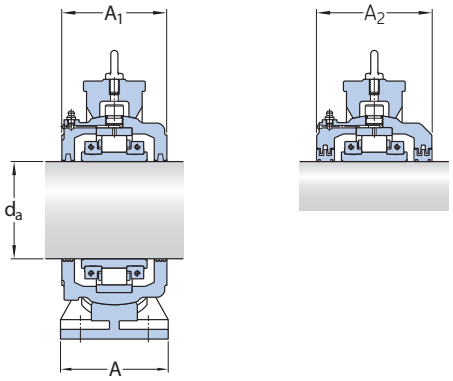
Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm/*in.*	–			
220	**P13**	**100B220M**	**100C220M**	[2]
	P14	**01EB220M**	**01C220M**	**01C14**
	P35	**02EB220M**	**02C220M**	**02C35**
	P62	**03B220M**	**03C220M**	**03C62**
9	**P14**	**01EB900**	**01C900**	**01C14**
	P35	**02EB900**	**02C900**	**02C35**
	P62	**03B900**	**03C900**	**03C62**
230	**P14**	**01EB230M**	**01C230M**	**01C14**
	P35	**02EB230M**	**02C230M**	**02C35**
240	**P15**	**01EB240M**	**01C240M**	**01C15**
	P36	**02EB240M**	**02C240M**	**02C36**
	P63	**03B240M**	**03C240M**	**03C63**
250	**P15**	**01EB250M**	**01C250M**	**01C15**
	P36	**02EB250M**	**02C250M**	**02C36**
	P63	**03B250M**	**03C250M**	**03C63**
10	**P15**	**01EB1000**	**01C1000**	**01C15**
	P36	**02EB1000**	**02C1000**	**02C36**
	P63	**03B1000**	**03C1000**	**03C63**
260	**P15**	**01EB260MEX16**[3]	**01C260MEX15**[3]	**01C15EX15**[3]
	P15	**01EB260MGR15**[3]	**01C260MGR12**[3]	**01C15GR13**[3]
	P16	**01EB260M**	**01C260M**	**01C16**
	P36	**02EB260M**	**02C260M**	**02C36EX10**[3]
	P36	**02EB260M**	**02C260M**	**02C36GR11**[3]
	P63	**03B260M**	**03C260M**	**03C63EX10**[3]
	P63	**03B260M**	**03C260M**	**03C63GR10**[3]
270	**P16**	**01EB270M**	**01C270M**	**01C16**
275	**P16**	**01EB275M**	**01C275M**	**01C16**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.
[2] Contact SKF.
[3] Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

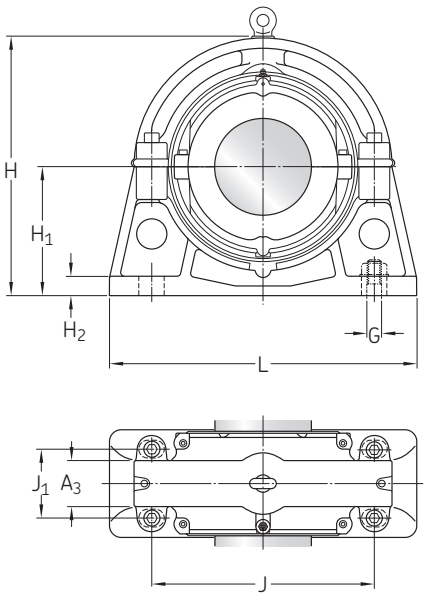
Shaft diameter	Dimensions											Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm/*in.*	mm											–	kg
220	204	172	[2]	86	495	248	38	410	434	140	572	M24 or *1 in.*	83
	216	178	216	82	540	270	40	440	480	140	636	M30 or *1 1/4 in.*	90
	280	242	274	110	650	324	50	530	570	190	750	M36 or *1 1/2 in.*	179
	280	298	334	165	730	349	76	716	756	178	952	M42 or *1 3/4 in.*	309
9	216	178	216	82	540	270	40	440	480	140	636	M30 or *1 1/4 in.*	90
	280	242	274	110	650	324	50	530	570	190	750	M36 or *1 1/2 in.*	179
	280	198	334	165	730	349	76	716	756	178	952	M42 or *1 3/4 in.*	309
230	216	178	216	82	540	270	40	440	480	140	636	M30 or *1 1/4 in.*	90
	280	242	274	110	650	324	50	530	570	190	750	M36 or *1 1/2 in.*	179
240	228	188	222	90	585	292	44	482	522	140	686	M30 or *1 1/4 in.*	114
	292	248	280	118	710	356	54	576	616	204	812	M36 or *1 1/2 in.*	212
	406	298	334	165	790	394	76	650	690	304	914	M42 or *1 3/4 in.*	392
250	228	188	222	90	585	292	44	482	522	140	686	M30 or *1 1/4 in.*	114
	292	248	280	118	710	356	54	576	616	204	812	M36 or *1 1/2 in.*	212
	406	298	334	165	790	394	76	650	690	304	914	M42 or *1 3/4 in.*	392
10	228	188	222	90	585	292	44	482	522	140	686	M30 or *1 1/4 in.*	114
	292	248	280	118	710	356	54	576	616	204	812	M36 or *1 1/2 in.*	212
	406	298	334	165	790	394	76	650	690	304	914	M42 or *1 3/4 in.*	392
260	228	188	222	90	585	292	44	482	522	140	686	M30 or *1 1/4 in.*	114
	228	188	222	90	585	292	44	482	522	140	686	M30 or *1 1/4 in.*	114
	228	204	232	95	620	311	48	514	554	140	724	M30 or *1 1/4 in.*	142
	292	248	280	118	710	356	54	576	616	204	812	M36 or *1 1/2 in.*	212
	292	248	280	118	710	356	54	576	616	204	812	M36 or *1 1/2 in.*	212
	406	298	334	165	790	394	76	650	690	304	914	M42 or *1 3/4 in.*	392
	406	298	334	165	790	394	76	650	690	304	914	M42 or *1 3/4 in.*	392
270	228	204	232	95	620	311	48	514	554	140	724	M30 or *1 1/4 in.*	142
275	228	204	232	95	620	311	48	514	554	140	724	M30 or *1 1/4 in.*	142

4.1 Plummer block housings for split cylindrical roller bearings

d_a **280 – 350** mm
11 – 13 *in.*

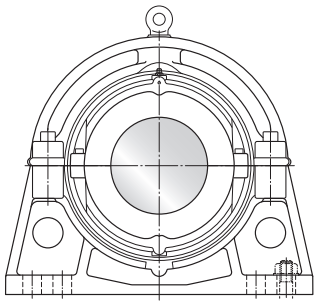


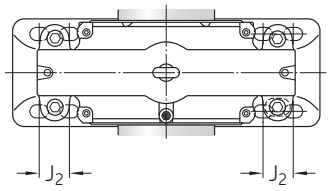
Felt / Grease groove seals Labyrinth seals



Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt / grease groove seals	Cartridge for labyrinth seals
mm/*in.*	–			
11	P16	01EB1100	01C1100	01C16
	P37	02EB1100	02C1100	02C37
	P83	03EB1100	03EC1100	03EC83
280	P16	01EB280M	01C280M	01C16
	P37	02EB280M	02C280M	02C37
	P83	03EB280M	03EC280M	03EC83
290	P17	01EB290M	01C290M	01C17
	P65	03B290M	03C290M	03C65
300	P17	01EB300M	01C300M	01C17
	P38	02EB300M	02C300M	02C38
	P65	03B300M	03C300M	03C65
12	P17	01EB1200	01C1200	01C17
	P38	02EB1200	02C1200	02C38
	P65	03B1200	03C1200	03C65
320	P18	01B320M	01C320M	01C18
	P39	02B320M	02C320M	02C39
	P66	03B320M	03C320M	03C66
330	P18	01B330M	01C330M	01C18
	P39	02B330M	02C330M	02C39
13	P18	01B1300	01C1300	01C18
	P39	02B1300	02C1300	02C39
	P66	03B1300	03C1300	03C66
340	P18	01B340MEX13[2]	01C340MEX12[2]	01C18EX[2]
	P18	01B340MGR13[2]	01C340MGR11[2]	01C18GR[2]
	P19	01B340M	01C340M	01C19
	P40	02B340M	02C340M	02C40
	P86	03EB340M	03EC340M	03EC86
350	P19	01B350M	01C350M	01C19
	P40	02B350M	02C350M	02C40

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.
[2] Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

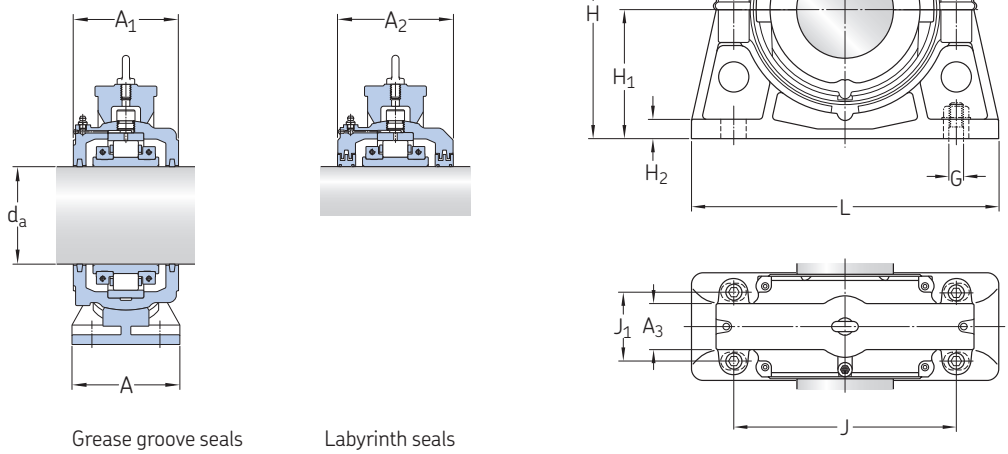




Shaft diameter	Dimensions												Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	J_2	L	G	
mm/*in.*	mm												–	kg
11	228	204	232	95	620	311	48	514	554	140	–	724	M30 or *1 1/4 in.*	142
	330	264	300	130	760	378	60	514	554	254	101	914	M30 or *1 1/4 in.*	292
	280	356	356	165	785	368	70	482	522	178	120	940	M36 or *1 1/2 in.*	205
280	228	204	232	95	620	311	48	514	554	140	–	724	M30 or *1 1/4 in.*	142
	330	264	300	130	760	378	60	514	554	254	101	914	M30 or *1 1/4 in.*	292
	280	356	356	165	785	368	70	482	522	178	120	940	M36 or *1 1/2 in.*	205
290	254	216	248	98	685	343	50	564	604	178	–	762	M30 or *1 1/4 in.*	169
	420	346	370	165	915	457	76	654	694	330	101	1 092	M36 or *1 1/2 in.*	586
300	254	216	248	98	685	343	50	564	604	178	–	762	M30 or *1 1/4 in.*	169
	330	268	306	128	790	394	60	546	570	254	101	958	M30 or *1 1/4 in.*	330
	420	346	370	165	915	457	76	654	694	330	101	1 092	M36 or *1 1/2 in.*	586
12	254	216	246	98	685	343	50	564	604	178	–	762	M30 or *1 1/4 in.*	169
	300	368	306	128	790	394	60	546	570	254	101	958	M30 or *1 1/4 in.*	330
	420	346	370	165	915	457	76	654	694	330	101	1 092	M36 or *1 1/2 in.*	586
320	254	260	272	95	735	368	54	602	642	178	–	812	M36 or *1 1/2 in.*	196
	292	298	330	128	840	419	64	590	630	210	101	1 016	M30 or *1 1/4 in.*	383
	356	368	418	170	1 035	518	80	742	782	266	108	1 194	M36 or *1 1/2 in.*	655
330	254	260	272	95	735	368	54	602	642	178	–	812	M36 or *1 1/2 in.*	196
	292	298	330	128	840	419	64	590	630	210	101	1 016	M30 or *1 1/4 in.*	383
13	254	260	272	95	735	368	54	602	642	178	–	812	M36 or *1 1/2 in.*	196
	292	298	330	128	840	419	64	590	630	210	101	1 016	M30 or *1 1/4 in.*	383
	356	368	418	170	1 035	518	80	742	782	266	108	1 194	M36 or *1 1/2 in.*	655
340	254	260	272	95	735	368	54	602	642	178	–	812	M36 or *1 1/2 in.*	196
340	254	260	272	95	735	368	54	602	642	178	–	812	M36 or *1 1/2 in.*	196
	254	260	272	98	775	387	57	634	674	166	–	850	M36 or *1 1/2 in.*	213
	368	305	342	146	900	451	67	640	680	280	102	1 092	M36 or *1 1/2 in.*	429
	318	432	432	196	1 000	470	82	634	686	190	134	1 220	M42 or *1 3/4 in.*	464
350	254	260	272	98	775	387	57	634	674	166	–	850	M36 or *1 1/2 in.*	213
	368	305	342	146	900	451	67	640	680	280	102	1 092	M36 or *1 1/2 in.*	429

4.1 Plummer block housings for split cylindrical roller bearings

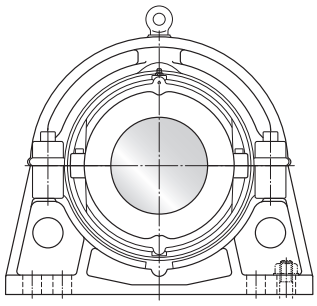
d_a **360 – 440** mm
14 – 17 *in.*

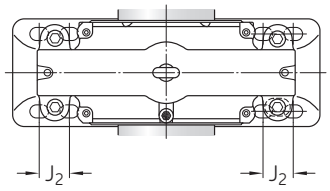


Grease groove seals Labyrinth seals

Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals
mm/*in.*	–			
14	**P19**	**01B1400**	**01C1400**	**01C19**
	P40	**02B1400**	**02C1400**	**02C40**
	P86	**03EB1400**	**03EC1400**	**03EC86**
360	**P19**	**01B360MEX15**[2]	**01C360MEX13**[2]	**01C19EX**[2]
	P19	**01B360MGR15**[2]	**01C360MGR16**[2]	**01C19GR**[2]
	P20	**01B360M**	**01C360M**	**01C20**
	P40	**02B360M**	**02C360M**	**02C40**
	P86	**03EB360M**	**03EC360M**	**03EC86**
380	**P20**	**01B380M**	**01C380M**	**01C20**
	P41	**02B380M**	**02C380M**	**02C41**
	P68	**03B380M**	**03C380M**	**03C68**
15	**P20**	**01B1500**	**01C1500**	**01C20**
	P41	**02B1500**	**02C1500**	**02C41**
	P68	**03B1500**	**03C1500**	**03C68**
390	**P21**	**01B390M**	**01C390M**	**01C21**
400	**P21**	**01B400M**	**01C400M**	**01C21**
	P42	**02B400M**	**02C400M**	**02C42**
	P68	**03B400M**	**03C400M**	**03C68**
16	**P21**	**01B1600**	**01C1600**	**01C21**
	P42	**02B1600**	**02C1600**	**02C42**
420	**P22**	**01B420M**	**01C420M**	**01C22**
	P43	**02B420M**	**02C420M**	**02C43**
	P89	**03EB420M**	**03EC420M**	**03EC89**
17	**P22**	**01B1700**	**01C1700**	**01C22**
	P43	**02B1700**	**02C1700**	**02C43**
	P89	**03EB1700**	**03EC1700**	**03EC89**
440	**P23**	**01B440M**	**01C440M**	**01C23**
	P44	**02B440M**	**02C440M**	**02C44**
	P89	**03EB440M**	**03EC440M**	**03EC89**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.
[2] Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

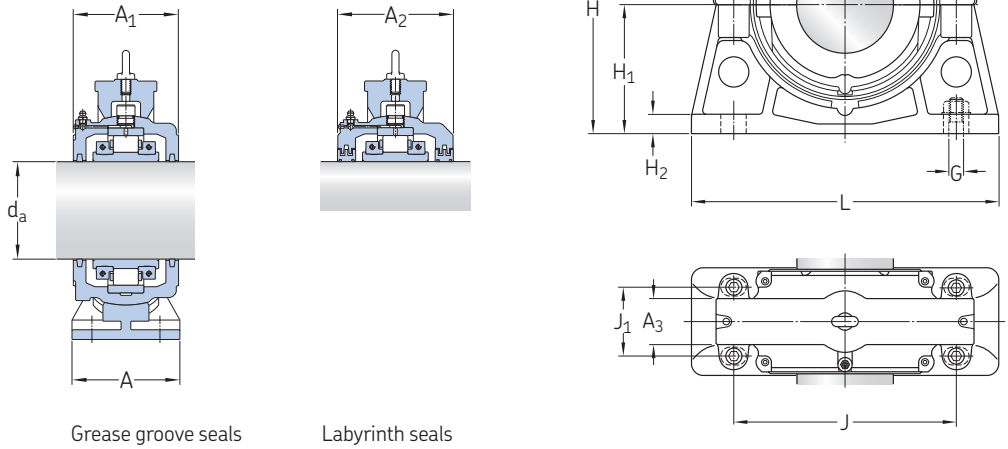




Shaft diameter	Dimensions												Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	J_2	L	G	
mm/*in.*	mm												–	kg
14	254	260	272	98	775	387	57	634	674	166	–	850	M36 or *1 1/2 in.*	213
	368	305	342	146	900	451	67	640	680	280	102	1 092	M36 or *1 1/2 in.*	429
	318	432	432	196	1 000	470	82	634	686	190	134	1 220	M42 or *1 3/4 in.*	464
360	254	260	272	98	775	387	57	634	674	166	–	850	M36 or *1 1/2 in.*	213
	254	260	272	98	775	387	57	634	674	166	–	850	M36 or *1 1/2 in.*	213
	254	260	280	98	795	397	60	656	696	166	–	902	M36 or *1 1/2 in.*	288
	368	305	342	146	900	451	67	640	680	280	102	1 092	M36 or *1 1/2 in.*	429
	318	432	432	196	1 000	470	82	634	686	190	134	1 220	M42 or *1 3/4 in.*	464
380	254	260	280	98	795	397	60	656	696	166	–	902	M36 or *1 1/2 in.*	288
	368	305	342	146	925	464	67	662	702	280	102	1 092	M36 or *1 1/2 in.*	445
	394	400	438	202	1 120	559	92	780	832	292	115	1 270	M42 or *1 3/4 in.*	859
15	254	260	280	98	795	397	60	656	696	166	–	902	M36 or *1 1/2 in.*	288
	368	305	342	146	925	464	67	662	702	280	102	1 092	M36 or *1 1/2 in.*	445
	394	400	438	202	1 120	559	92	780	832	292	115	1 270	M42 or *1 3/4 in.*	859
390	254	280	286	102	865	432	67	704	744	166	–	940	M36 or *1 1/2 in.*	309
400	254	280	286	102	865	432	67	704	744	166	–	940	M36 or *1 1/2 in.*	309
	368	324	350	146	990	495	70	710	750	280	102	1 168	M36 or *1 1/2 in.*	537
	394	400	438	202	1 120	559	92	780	832	292	115	1 270	M42 or *1 3/4 in.*	859
16	254	280	286	102	865	432	67	704	744	166	–	940	M36 or *1 1/2 in.*	309
	368	324	350	146	990	495	70	710	750	280	102	1 168	M36 or *1 1/2 in.*	537
420	254	292	298	102	890	445	67	736	776	166	–	966	M36 or *1 1/2 in.*	316
	368	324	356	146	1 030	514	70	748	788	280	102	1 194	M36 or *1 1/2 in.*	564
	360	440	442	200	1 075	508	90	664	716	210	150	1 270	M48 or *2 in.*	482
17	254	292	298	102	890	445	67	736	776	166	–	966	M36 or *1 1/2 in.*	316
	368	324	356	146	1 030	514	70	748	788	280	102	1 194	M36 or *1 1/2 in.*	564
	360	440	442	200	1 075	508	90	664	716	210	150	1 270	M48 or *2 in.*	482
440	280	304	310	108	925	464	70	768	808	190	–	1 042	M42 or *1 3/4 in.*	370
	368	324	356	146	1 070	533	73	768	808	280	104	1 244	M36 or *1 1/2 in.*	564
	360	440	442	200	1 075	508	90	664	716	210	150	1 270	M48 or *2 in.*	482

4.1 Plummer block housings for split cylindrical roller bearings

d_a **460 – 580** mm
18 – 22 *in.*

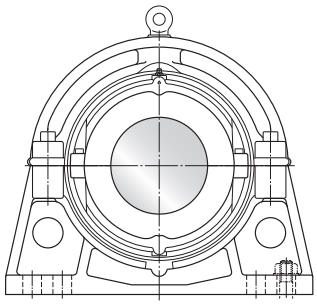


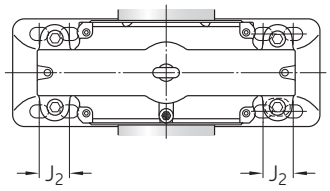
Grease groove seals

Labyrinth seals

Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals
mm/*in.*	–			
18	**P23**	**01B1800**	**01C1800**	**01C23**
	P44	**02B1800**	**02C1800**	**02C44**
	P90	**03EB1800**	**03EC1800**	**03EC90**
460	**P23**	**01B460M**	**01C460M**	**01C23**
	P44	**02B460M**	**02C460M**	**02C44**
	P90	**03EB460M**	**03EC460M**	**03EC90**
480	**P24**	**01B480M**	**01C480M**	**01C24**
	P45	**02B480M**	**02C480M**	**02C45**
19	**P24**	**01B1900**	**01C1900**	**01C24**
	P45	**02B1900**	**02C1900**	**02C45**
500	**P25**	**01B500M**	**01C500M**	**01C25**
	P46	**02B500M**	**02C500M**	**02C46**
	P94	**03B500M**	**03C500M**	**03C94**
20	**P25**	**01B2000**	**01C2000**	**01C25**
	P46	**02B2000**	**02C2000**	**02C46**
	P94	**03B2000**	**03C2000**	**03C94**
530	**P26**	**01B530M**	**01C530M**	**01C26**
	P47	**02B530M**	**02C530M**	**02C47**
	P94	**03B530M**	**03C530M**	**03C94**
21	**P26**	**01B2100**	**01C2100**	**01C26**
	P47	**02B2100**	**02C2100**	**02C47**
22	**P27**	**01B2200**	**01C2200**	**01C27**
	P48	**02B2200**	**02C2200**	**02C48**
	P94	**03EB2200**	**03EC2200**	**03EC94**
560	**P27**	**01B560M**	**01C560M**	**01C27**
	P48	**02B560M**	**02C560M**	**02C48**
	P94	**03EB560M**	**03EC560M**	**03EC94**
580	**P28**	**01B580M**	**01C580M**	**01C28**
	P49	**02B580M**	**02C580M**	**02C49**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186**.

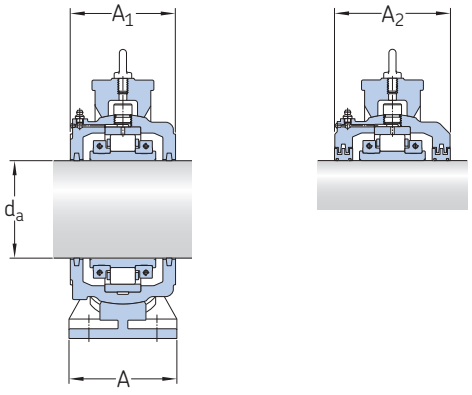




Shaft diameter	Dimensions												Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	J_2	L	G	
mm/*in.*	mm												–	kg
18	280	304	310	108	925	464	70	768	808	190	–	1 042	M42 or *1 3/4 in.*	370
	368	324	356	146	1 070	533	73	768	808	280	104	1 244	M36 or *1 1/2 in.*	564
	380	450	450	200	1 165	550	95	754	806	220	150	1 370	M48 or *2 in.*	705
460	280	310	310	108	925	464	70	768	808	190	–	1 042	M42 or *1 3/4 in.*	370
	368	324	356	146	1 070	533	73	768	808	280	104	1 244	M36 or *1 1/2 in.*	564
	380	450	450	200	1 165	550	95	754	806	220	150	1 370	M48 or *2 in.*	705
480	304	304	324	108	965	483	73	796	836	188	–	1 092	M42 or *1 3/4 in.*	402
	368	338	374	146	1 110	552	76	792	832	280	115	1 270	M36 or *1 1/2 in.*	690
19	304	304	324	108	965	483	73	796	836	188	–	1 092	M42 or *1 3/4 in.*	402
	368	338	374	146	1 110	552	76	792	832	280	115	1 270	M36 or *1 1/2 in.*	690
500	304	304	330	114	980	489	76	824	864	216	–	1 092	M42 or *1 3/4 in.*	402
	368	350	374	146	1 145	572	80	824	864	280	115	1 296	M36 or *1 1/2 in.*	677
	406	495	508	204	1 340	622	102	914	966	242	165	1 600	M56 or *2 1/4 in.*	1 000
20	304	304	330	114	980	489	76	824	864	216	–	1 092	M42 or *1 3/4 in.*	402
	368	350	374	146	1 145	572	80	824	864	280	115	1 296	M36 or *1 1/2 in.*	677
	406	495	508	204	1 340	622	102	914	966	242	165	1 600	M56 or *2 1/4 in.*	1 000
530	304	330	336	114	1 065	533	80	884	924	206	–	1 194	M42 or *1 3/4 in.*	495
	368	350	374	150	1 180	591	83	870	910	280	114	1 398	M36 or *1 1/2 in.*	905
	406	495	508	204	1 340	622	102	914	966	242	165	1 600	M56 or *2 1/4 in.*	1 000
21	304	330	336	114	1 065	533	80	884	924	206	–	1 194	M42 or *1 3/4 in.*	495
	368	350	374	150	1 180	591	83	870	910	280	114	1 398	M36 or *1 1/2 in.*	905
22	304	336	342	114	1 110	552	83	916	956	206	–	1 220	M42 or *1 3/4 in.*	570
	382	356	380	152	1 230	616	86	904	956	280	114	1 422	M42 or *1 3/4 in.*	965
	406	490	490	204	1 340	622	102	914	966	242	165	1 600	M56 or *2 1/4 in.*	1 000
560	304	336	342	114	1 110	552	83	916	956	206	–	1 220	M42 or *1 3/4 in.*	570
	382	356	380	152	1 230	616	86	904	956	280	114	1 422	M42 or *1 3/4 in.*	965
	406	490	490	204	1 340	622	102	914	966	242	165	1 600	M56 or *2 1/4 in.*	1 000
580	304	342	348	120	1 156	578	90	857	896	220	102	1 346	M36 or *1 1/2 in.*	630
	382	356	380	152	1 270	635	90	932	984	280	115	1 448	M42 or *1 3/4 in.*	1 000

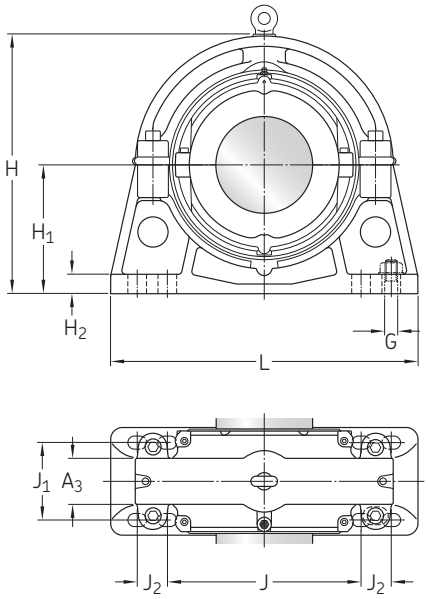
4.1 Plummer block housings for split cylindrical roller bearings

d_a **600** mm
23 – 24 *in.*



Grease groove seals

Labyrinth seals



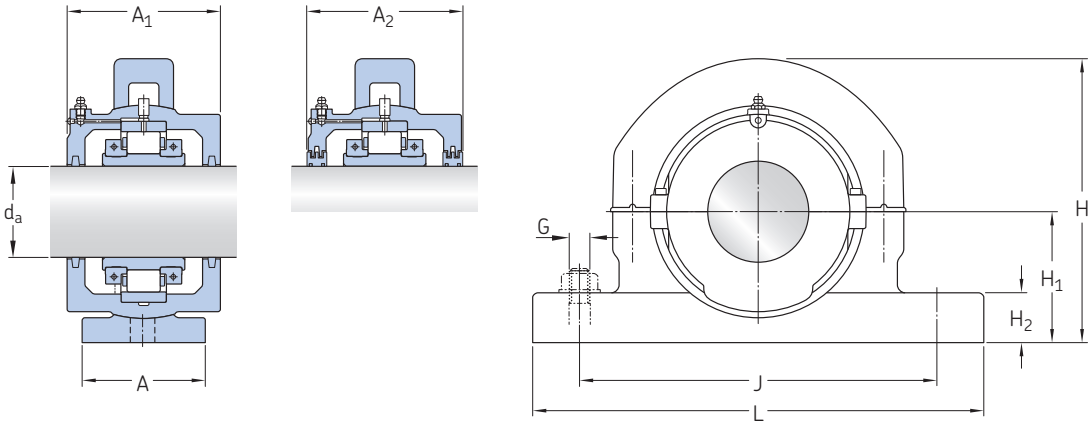
Shaft diameter d_a	**Designations**[1] Housing	Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals
mm/*in.*	–			
23	**P28**	**01B2300**	**01C2300**	**01C28**
	P49	**02B2300**	**02C2300**	**02C49**
	P95	**03EB2300**	**03EC2300**	**03EC95**
600	**P29**	**01B600M**	**01C600M**	**01C29**
	P50	**02B600M**	**02C600M**	**02C50**
	P95	**03EB600M**	**03EC600M**	**03EC95**
24	**P29**	**01B2400**	**01C2400**	**01C29**
	P50	**02B2400**	**02C2400**	**02C50**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

Shaft diameter	Dimensions												Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	 max.	J_1	J_2	L	G	
mm/*in.*	mm												–	kg
23	304	342	348	120	1 156	578	90	857	896	220	102	1 346	M36 or *1 1/2 in.*	630
	382	356	380	152	1 270	635	90	932	984	280	115	1 448	M42 or *1 3/4 in.*	1 000
	406	490	490	204	1 340	622	406	914	966	242	165	184	M56 or *2 1/4 in.*	930
600	304	342	348	120	1 200	597	90	888	928	220	105	1 372	M36 or *1 1/2 in.*	630
	382	388	394	152	1 345	673	92	984	1 036	280	114	1 524	M42 or *1 3/4 in.*	1 050
	406	490	490	204	1 340	622	406	914	966	242	165	1 600	M56 or *2 1/4 in.*	930
24	304	342	348	120	1 200	597	90	888	928	84,1	105	1 372	M36 or *1 1/2 in.*	630
	382	388	394	152	1 345	673	92	984	1 036	280	114	1 524	M42 or *1 3/4 in.*	1 050

4.2 SN interchangeable plummer block housings

d_a **60 – 140** mm



Felt seals

Labyrinth seals

Shaft diameter d_a	Designations[1] Housing[2]	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm	–			
60	**SNC513**	**01EB60M**	**01C60M**	**01C3**
65	**SNC515**	**01EB65M**	**01C65M**	**01C3**
70	**SNC516**	**01EB70M**	**01C70M**	**01C4**
75	**SNC517**	**01EB75M**	**01C75M**	**01C4**
80	**SNC518**	**01EB80M**	**01C80M**	**01C5**
85	**SNC519**	**01EB85M**	**01C85M**	**01C5**
90	**SNC520**	**01EB90M**	**01C90M**	**01C5**
100	**SNC522**	**01EB100M**	**01C100M**	**01C6**
110	**SNC524**	**01EB110M**	**01C110M**	**01C7**
115	**SNC526**	**01EB115M**	**01C115M**	**01C7**
125	**SNC528**	**01EB125M**	**01C125M**	**01C8**
135	**SNC530**	**01EB135M**	**01C135M**	**01C9**
140	**SNC532**	**01EB140M**	**01C140M**	**01C9**

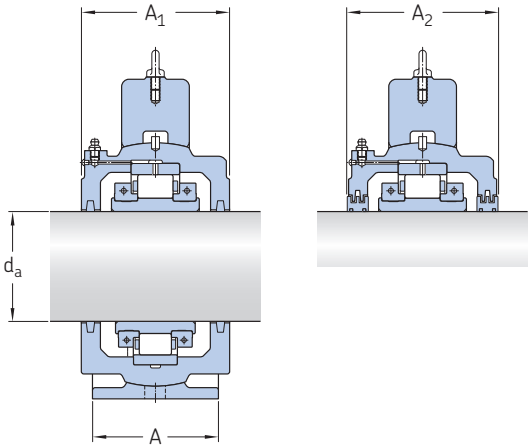
[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

[2] SNC519 and larger are made of ductile iron (SSNC500 series) as standard and are supplied without slots for attachment bolts. The housings can be drilled for two or four attachment bolts. For additional information, contact SKF.

Shaft diameter	Dimensions									Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	max.	L	G	
mm	mm									–	kg
60	70	104	104	180	80	32	226	242	280	M16	4,9
65	70	104	104	180	80	32	226	242	280	M16	4,9
70	90	114	114	208	95	38	254	266	315	M20	7,3
75	90	114	114	208	95	38	254	266	315	M20	7,3
80	100	136	136	240	100	32	284	296	345	M20	13,5
85	100	136	136	252	112	44	284	296	345	M20	15
90	90	136	136	252	112	44	312	328	380	M24	13,5
100	102	134	134	272	125	52	342	366	420	M24	14,5
110	120	142	142	310	140	45	344	356	410	M24	19,5
115	130	142	142	320	150	50	372	388	450	M24	22,5
125	150	156	156	360	150	50	414	426	500	M30	38
135	160	168	168	386	160	56	444	456	530	M30	40
140	178	168	168	391	170	41	462	478	558	M30	52

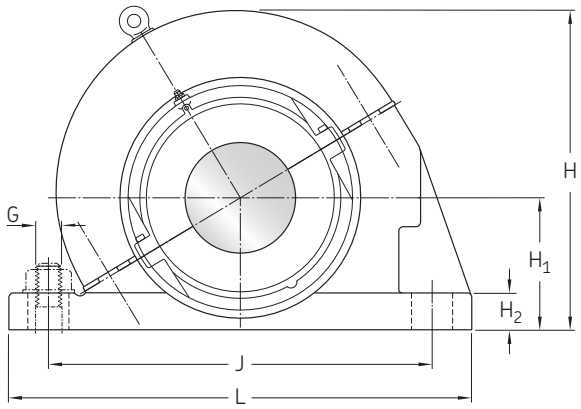
4.3 SN interchangeable angled plummer block housings

d_a **50 – 140** mm



Felt seals

Labyrinth seals



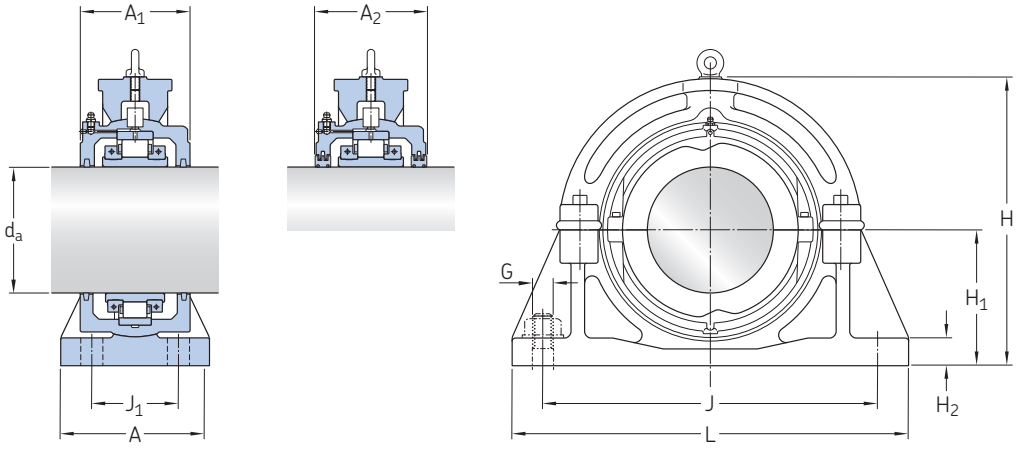
Shaft diameter[1] d_a	**Designations**[2] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm	–			
50	**SNQ511**	**01EB50M**	**01C50M**	**01C2**
60	**SNQ513**	**01EB60M**	**01C60M**	**01C3**
65	**SNQ515**	**01EB65M**	**01C65M**	**01C3**
75	**SNQ517**	**01EB75M**	**01C75M**	**01C4**
80	**SNQ518**	**01EB80M**	**01C80M**	**01C5**
90	**SNQ520**	**01EB90M**	**01C90M**	**01C5**
100	**SNQ522**	**01EB100M**	**01C100M**	**01C6**
110	**SNQ524**	**01EB110M**	**01C110M**	**01C7**
115	**SNQ526**	**01EB115M**	**01C115M**	**01C7**
125	**SNQ528**	**01EB125M**	**01C125M**	**01C8**
135	**SNQ530**	**01EB135M**	**01C135M**	**01C9**
140	**SNQ532**	**01EB140M**	**01C140M**	**01C9**

[1] Most common shaft sizes. Other sizes are available on request.
[2] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

Shaft diameter[1]	Dimensions									Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	 max.	L	G	
mm	mm									–	kg
50	60	98	98	158	70	25	203	219	255	M16	3,9
60	70	104	104	180	80	26	226	242	280	M16	6,0
65	70	104	104	180	80	26	226	242	280	M16	6,0
75	90	114	114	208	95	38	254	280	315	M20	9,7
80	100	136	136	240	100	32	284	296	345	M20	14,5
90	90	136	136	253	112	44	312	328	380	M24	17,5
100	102	134	134	274	125	52	342	366	420	M24	21,5
110	120	142	142	310	140	45	344	356	410	M24	26
115	130	142	142	320	150	50	372	388	450	M24	33,5
125	150	156	156	358	150	38	414	426	500	M30	43
135	160	168	168	380	160	45	444	456	530	M30	53
140	178	168	168	390	170	41	462	478	558	M30	59,5

4.4 SD interchangeable plummer block housings

d_a **150 – 220** mm



Felt seals Labyrinth seals

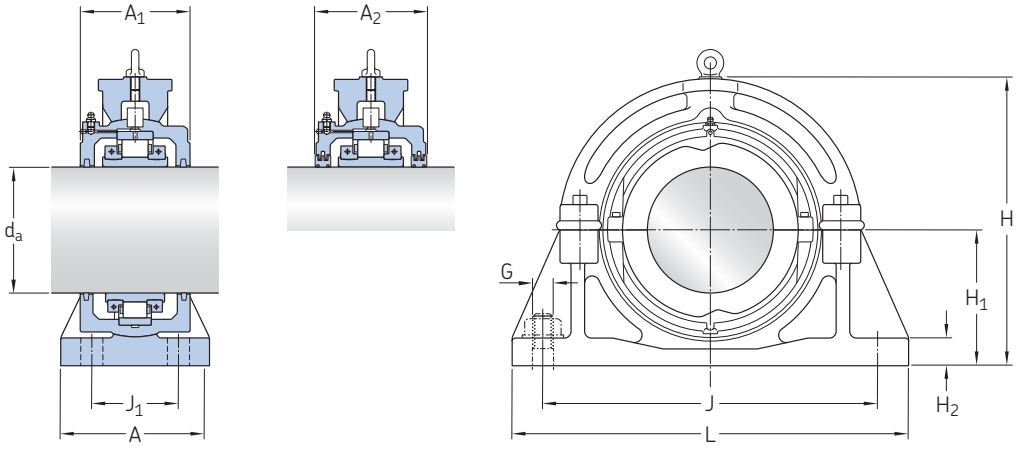
Shaft diameter	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
d_a				
mm	–			
150	**SDC3134**	**01EB150MEX**	**01C150MEX**	**01C10EX**
	SDC3134	**01EB150MGR**	**01C150MGR**	**01C10GR**
	PN3112	**02EB160MEX10**	**02C150MEX11**	**02C31EX20**
	PN3112	**02EB150MGR11**	**02C150MGR11**	**02C31GR22**
160	**SDC3136**	**01EB160MEX**	**01C160MEX**	**01C11EX**
	SDC3136	**01EB160MGR**	**01C160MGR**	**01C11GR**
	PN3113	**02EB160MEX10**	**02C160MEX10**	**02C31EX10**
	PN3113	**02EB160MGR10**	**02C160MGR10**	**02C31GR10**
170	**SDC3138**	**01EB170MEX**	**01C170MEX**	**01C12EX**
	SDC3138	**01EB170MGR**	**01C170MGR**	**01C12GR**
	PN3210	**02EB170MEX10**	**02C170MEX10**	**02C32EX11**
	PN3210	**02EB170MGR13**	**02C170MGR10**	**02C32GR13**
180	**SDC3140**	**01EB180MEX**	**01C180MEX**	**01C12EX**
	SDC3140	**01EB180MGR**	**01C180MGR**	**01C12GR**
	PN3312	**02EB180MEX**	**02C180MEX**	**02C33EX**
	PN3312	**02EB180MGR**	**02C180MGR**	**02C33GR**
200	**SDC3144**	**01EB200MEX**	**01C200MEX**	**01C13EX**
	SDC3144	**01EB200MGR**	**01C200MGR**	**01C13GR**
	PN3410	**02EB200MEX11**	**02C200MEX10**	**02C34EX10**
	PN3410	**02EB200MGR12**	**02C200MGR13**	**02C34GR15**
220	**SDC3148**	**01EB220MEX**	**01C220MEX**	**01C14EX**
	SDC3148	**01EB220MGR**	**01C220MGR**	**01C14GR**
	PN3510	**02EB220MEX**	**02C220MEX**	**02C35EX**
	PN3510	**02EB220MGR**	**02C220MGR**	**02C35GR**

[1] The designation suffixes EX and GR refer to bearings and cartridges in the non-locating and locating positions respectively. Additional options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

Shaft diameter	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	 max.	J_1	L	G	
mm	mm										–	kg
150	178	174	174	401	170	40	424	436	100	510	M24	48
	178	174	174	401	170	40	424	436	100	510	M24	48
	178	204	204	401	170	40	424	436	100	510	M24	53
	178	204	204	401	170	40	424	436	100	510	M24	53
160	190	172	192	396	180	40	438	462	110	530	M24	50
	190	172	192	396	180	40	438	462	110	530	M24	50
	190	204	204	440	180	40	438	462	110	530	M24	69
	190	204	204	440	180	40	438	462	110	530	M24	69
170	200	172	200	425	190	40	468	492	120	560	M24	59
	200	172	200	425	190	40	468	492	120	560	M24	59
	200	206	232	457	190	40	468	492	120	560	M24	83
	200	206	232	457	190	40	468	492	120	560	M24	83
180	210	172	200	445	210	40	503	517	130	600	M30	66
	210	172	200	445	210	40	503	517	130	600	M30	66
	210	222	242	482	210	40	503	517	130	600	M30	109
	210	222	242	482	210	40	503	517	130	600	M30	109
200	240	172	200	467	220	45	533	547	140	640	M30	87
	240	172	200	467	220	45	533	547	140	640	M30	87
	240	235	258	525	220	45	533	547	140	640	M30	115
	240	253	258	525	220	45	533	547	140	640	M30	115
220	250	178	216	510	240	45	593	607	150	700	M30	96
	250	178	216	510	240	45	593	607	150	700	M30	96
	250	242	274	564	240	45	593	607	150	700	M30	141
	250	242	274	564	240	45	593	607	150	700	M30	141

4.4 SD interchangeable plummer block housings

d_a **240 – 300** mm



Felt seals Labyrinth seals

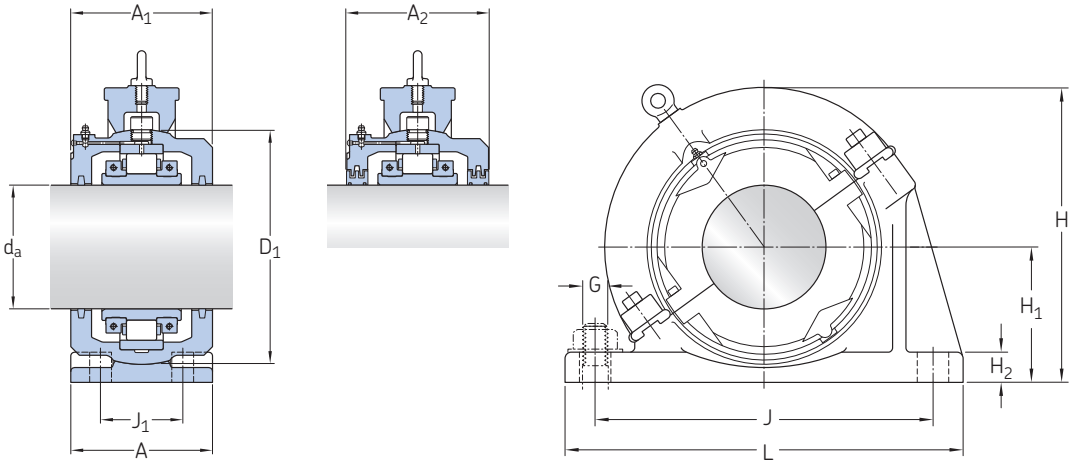
Shaft diameter	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
d_a				
mm	–			
240	**SDC3152**	**01EB240MEX**	**01C240MEX**	**01C15EX**
	SDC3152	**01EB240MGR**	**01C240MGR**	**01C15GR**
	PN3610	**02EB240MEX**	**02C240MEX**	**02C36EX**
	PN3610	**02EB240MGR**	**02C240MGR**	**02C36GR**
260	**SDC3156**	**01EB260MEX**	**01C260MEX**	**01C16EX**
	SDC3156	**01EB260MGR**	**01C260MGR**	**01C16GR**
	PN3612	**02EB260MEX**	**02C260MEX**	**02C36EX10**
	PN3612	**02EB260MGR**	**02C260MGR**	**02C36GR11**
280	**SDC3160**	**01EB280MEX**	**01C280MEX**	**01C16EX**
	SDC3160	**01EB280MGR**	**01C280MGR**	**01C16GR**
	PN3711	**02EB280MEX**	**02C280MEX**	**02C37EX**
	PN3711	**02EB280MGR**	**02C280MEX**	**02C37EX**
300	**SDC3164**	**01EB300MEX**	**01C300MEX**	**01C17EX**
	SDC3164	**01EB300MGR**	**01C300MGR**	**01C17GR**
	PN3811	**02EB300MEX**	**02C300MEX**	**02C38EX**
	PN3811	**02EB300MGR**	**02C300MGR**	**02C38GR**

[1] The designation suffixes EX and GR refer to bearings and cartridges in the non-locating and locating positions respectively. Additional options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

Shaft diameter	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	 max.	J_1	L	G	
mm	mm										–	kg
240	280	188	222	552	260	49	642	658	160	770	M36	132
	280	188	222	552	260	49	642	658	160	770	M36	132
	280	248	280	614	260	49	642	658	160	770	M36	174
	280	248	280	614	260	49	642	658	160	770	M36	174
260	280	204	232	591	280	55	662	678	160	790	M36	160
	280	204	232	591	280	55	662	678	160	790	M36	160
	280	248	300	634	280	55	662	678	160	790	M36	190
	280	248	300	634	280	55	662	678	160	790	M36	190
280	310	204	232	611	300	55	702	718	190	830	M36	175
	310	204	232	611	300	55	702	718	190	830	M36	175
	310	264	300	678	300	55	702	718	190	830	M36	247
	310	264	300	678	300	55	702	718	190	830	M36	247
300	320	216	208	663	320	60	742	758	200	880	M36	208
	320	216	208	663	320	60	742	758	200	880	M36	208
	320	268	252	714	320	60	742	758	200	880	M36	252
	320	268	252	714	320	60	742	758	200	880	M36	252

4.5 SD interchangeable angled plummer block housings

d_a **150 – 220** mm



Felt seals

Labyrinth seals

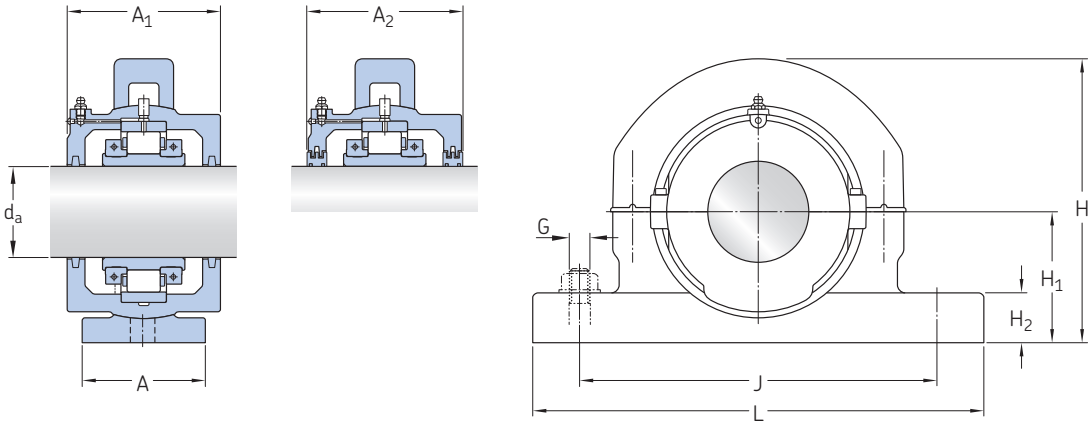
Shaft diameter[1] d_a	**Designations**[2] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
mm	–			
150	**SDQ3134**	**01EB150M**	**01C150M**	**01C10**
160	**SDQ3136**	**01EB160M**	**01C160M**	**01C11**
180	**SDQ3140**	**01EB180M**	**01C180M**	**01C12**
200	**SDQ3144**	**01EB200M**	**01C200M**	**01C13**
220	**SDQ3148**	**01EB220M**	**01C220M**	**01C14**

[1] Most common shaft sizes. Other sizes are available on request.
[2] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

Shaft diameter[1]	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm	mm										–	kg
150	178	174	174	399	170	38	424	436	100	510	M24	56
160	190	172	192	393	180	40	438	462	110	530	M24	57
180	210	172	200	442	210	40	503	517	130	600	M30	78
200	240	172	200	463	220	45	533	547	140	640	M30	99,5
220	250	178	216	507	240	45	593	607	150	700	M30	113

4.6 SAF interchangeable plummer block housings

d_a **1 15/16 – 5 15/16** in.

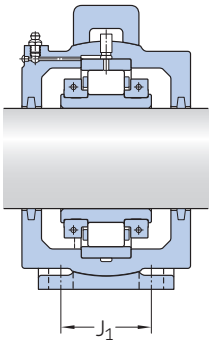


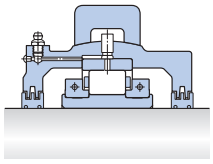
Felt seals Labyrinth seals

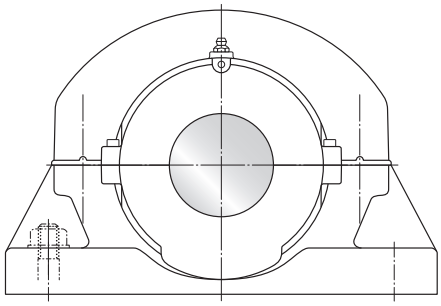
Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
in.	–			
1 15/16	**SAFC511**	**01EB115**	**01C115**	**01C2**
2 3/16	**SAFC513**	**01EB203**	**01C203**	**01C3**
2 7/16	**SAFC515**	**01EB207**	**01C207**	**01C3**
2 11/16	**SAFC516**	**01EB211**	**01C211**	**01C4**
2 15/16	**SAFC517** **FSAFC517**	**01EB215** **02EB215**	**01C215** **02C215**	**01C4** **02C5**
3 3/16	**SAFC518**	**01EB303**	**01C303**	**01C5**
3 7/16	**SAFC520** **FSAFC520**	**01EB307** **02EB307**	**01C307** **02C307**	**01C5** **02C6**
3 15/16	**SAFC522**	**02EB315**	**02C315**	**02C7**
4 7/16	**SAFC526**	**02EB407**	**02C407**	**02C8**
4 15/16	**SAFC528**[2]	[2]	[2]	**02C10**
5 7/16	**SAFC532**	**02EB507**	**02C507**	**02C30**
5 15/16	**SAFC534**	**02EB515**	**02C515**	**02C31**

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

[2] A special bearing and cartridge are required for this size. Load ratings are the same as for a standard 02EB415, but bearing and cartrdige outside diameters may differ. The relevant designations are 'Fixed-type bearing' 02EB415GR16,'Expansion-type bearing' 02EB415EX16, 'Fixed-type cartridge' (for TL seals) 02C10GR21 and 'Expansion-type cartridge' (for TL seals) 02C10EX21.







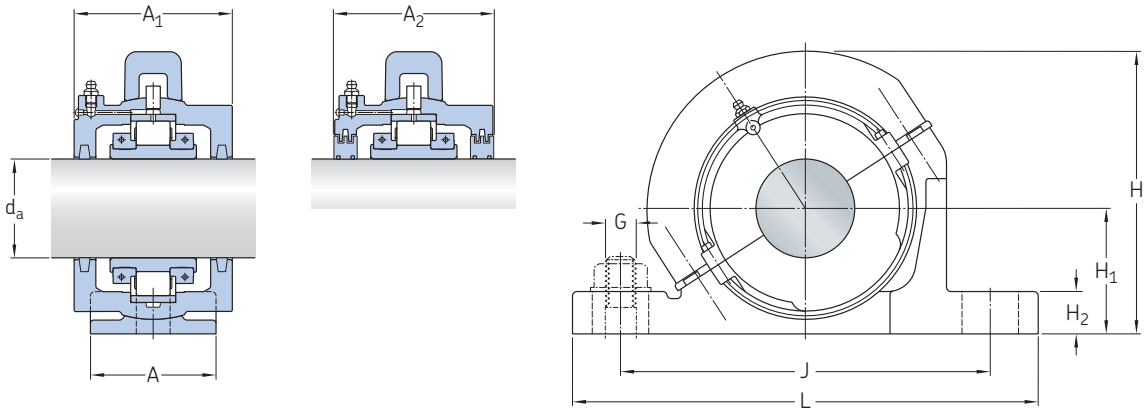
Felt seals

Labyrinth seals

Shaft diameter	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	 max.	J_1	L	G	
in.	in.										–	kg
1 15/16	2 1/4	3 13/16	3 13/16	6 1/8	2 3/4	7/8	7 3/8	7 7/8	–	9 5/8	5/8 in.	4,3
2 3/16	3 1/8	4 1/16	4 1/16	7	3	1	8 1/8	9 1/2	–	11	5/8 in.	6,4
2 7/16	3 1/8	4 1/16	4 1/16	7 1/4	3 1/4	1 1/8	8 5/8	9 5/8	–	11	5/8 in.	7,4
2 11/16	3 1/2	4 1/2	4 1/2	7 7/8	3 1/2	1 3/16	9 5/8	11	–	13	3/4 in.	9,7
2 15/16	3 1/2 3 1/2	4 1/2 5 1/2	4 1/2 5 1/2	8 3/16 8 1/2	3 3/4 3 3/4	1 7/16 1 1/4	9 7/8 10	11 10 7/8	– 2 3/16	13 13	3/4 in. 5/8 in.	11,5 11,5
3 3/16	3 7/8	5 5/16	5 5/16	9 1/2	4	1 1/4	10 3/8	11 5/8	–	13 3/8	3/4 in.	15,5
3 7/16	3 7/8 4 7/8	5 5/16 6 1/16	5 5/16 6 1/16	10 10 1/4	4 1/2 4 1/2	1 3/4 1 3/4	11 5/8 11 5/8	13 1/8 13 1/8	– 2 3/8	15 1/4 15 1/4	7/8 in. 3/4 in.	19,5 15
3 15/16	4 3/4	5 3/4	5 3/4	11 5/8	4 15/16	2	12 5/8	14 1/2	2 3/4	16 1/2	3/4 in.	19,5
4 7/16	5 1/8	6 3/8	6 3/8	14 1/4	6	2 3/8	14 5/8	16	3 1/4	18 3/8	7/8 in.	43
4 15/16	5 7/8	7 1/4	7 1/4	15	6	1 3/8	16	17 1/8	3 3/8	20 1/8	1 in.	54
5 7/16	6 1/4	7 3/8	7 3/8	16 3/4	6 11/16	2 11/16	17 3/8	19 1/4	3 3/4	22	1 in.	74
5 15/16	6 3/4	8	8	17 1/4	7 1/16	2 3/4	19 3/8	21 5/8	4 1/4	24 3/4	1 in.	83

4.7 SAF interchangeable angled plummer block housings

d_a **2 3/16 – 5 15/16** in.



Felt seals Labyrinth seals

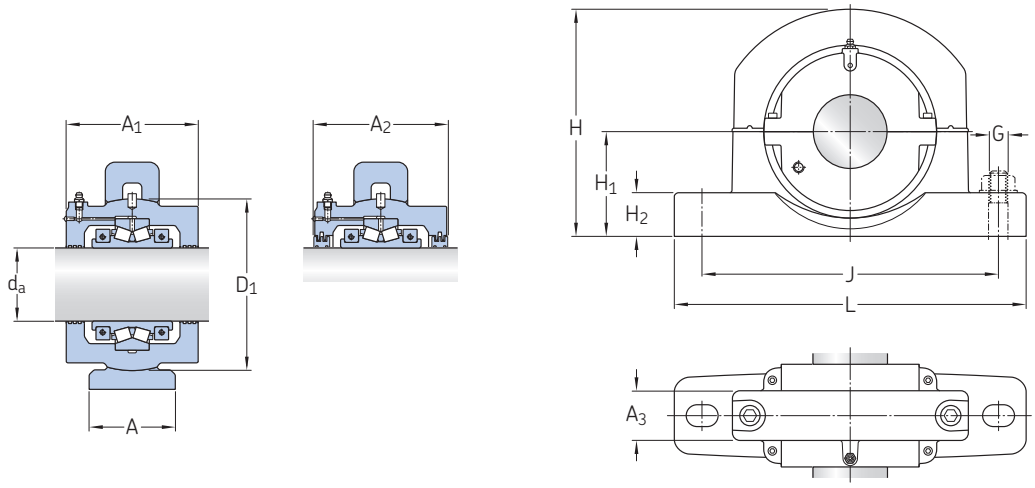
Shaft diameter[1] d_a	**Designations**[2] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals
in.	–			
2 3/16	**SAFQ513**	**01EB203**	**01C203**	**01C3**
2 11/16	**SAFQ516**	**01EB211**	**01C211**	**01C4**
2 15/16	**FSAFQ517**	**02EB215**	**02C215**	**02C5**
3 7/16	**FSAFQ520**	**02EB307**	**02C307**	**02C6**
3 15/16	**SAFQ522**	**02EB315**	**02C315**	**02C7**
4 7/16	**SAFQ526**	**02EB407**	**02C407**	**02C8**
4 15/16	**SAFQ528**[3]	[3]	[3]	**02C10**[3]
5 7/16	**SAFQ532**	**02EB507**	**02C507**	**02C30**
5 15/16	**SAFQ534**	**02EB515**	**02C515**	**02C31**

[1] Most common shaft sizes. Other sizes are available on request.
[2] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
[3] A special bearing and cartridge are required for this size. Load ratings are the same as for a standard 02EB415, but bearing and cartrdige outside diameters may differ. The relevant designations are 'Fixed-type bearing' 02EB415GR16,'Expansion-type bearing' 02EB415EX16, 'Fixed-type cartridge' (for TL seals) 02C10GR21 and 'Expansion-type cartridge' (for TL seals) 02C10EX21.

Shaft diameter[1]	Dimensions										Attachment bolts	Mass Housing
d_a	A	A_1	A_2	H	H_1	H_2	J min.	J max.	J_1	L	G	
in.	in.										in.	kg
2 3/16	3 1/8	4 1/16	4 1/16	7	3	1	8 1/8	9 1/2	–	11	5/8	5,8
2 11/16	3 1/2	4 1/2	4 1/2	7 7/8	3 1/2	1 3/16	9 5/8	11	–	13	3/4	8,3
2 15/16	3 1/2	5 1/2	5 1/2	9 5/16	3 3/4	1	10	10 7/8	2 3/16	13	5/8	11,5
3 7/16	4 3/8	6 1/16	6 1/16	10 3/8	4 1/2	1 3/4	11 5/8	13 1/8	2 3/8	15 1/4	3/4	18
3 15/16	4 3/4	5 3/4	5 3/4	11 5/8	4 15/16	1 9/16	12 5/8	14 1/2	2 3/4	16 1/2	3/4	23
4 7/16	5 1/8	6 3/8	6 3/8	12 15/16	6	2 3/8	14 7/8	16	3 1/4	18 3/8	7/8	34,5
4 15/16	5 7/8	7 1/4	7 1/4	13 7/8	6	1 3/8	16	17 1/8	3 3/8	20 1/8	1	41
5 7/16	6 1/4	7 3/8	7 3/8	15 3/4	6 11/16	2	17 3/8	19 1/4	3 3/4	22	1	51,5
5 15/16	6 3/4	8	8	17 1/8	7 1/16	2	19 3/8	21 5/8	4 1/4	24 3/4	1	77,5

4.8 Plummer block housings for split tapered roller bearings

d_a **75 – 180** mm



Grease groove seals Labyrinth seals

Shaft diameter	Designations			
	Housing	Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals
d_a				
mm	–			
75	**PN05**	**1DTB75M**	**1DTC75GR75M**	**1DTC75GR30TL**
80	**PN06**	**1DTB80M**	**1DTC80GR80M**	**1DTC80GR35TL**
90	**PN06**	**1DTB90M**	**1DTC90GR90M**	**1DTC90GR35TL**
100	**PN07**	**1DTB100M**	**1DTC100GR100M**	**1DTC100GR40TL**
110	**PN08**	**1DTB110M**	**1DTC110GR110M**	**1DTC110GR45TL**
120	**PN08**	**1DTB120M**	**1DTC120GR120M**	**1DTC120GR50TL**
130	**PN09**	**1DTB130M**	**1DTC140GR130M**	**1DTC140GR50TL**
140	**PN09**	**1DTB140M**	**1DTC140GR140M**	**1DTC140GR55TL**
150	**PN11**	**1DTB150M**	**1DTC160GR150M**	**1DTC160GR60TL**
160	**PN11**	**1DTB160M**	**1DTC160GR160M**	**1DTC160GR65TL**
180	**PN31**	**1DTB180M**	**1DTC180GR180M**	**1DTC180GR70TL**

Shaft diameter	Dimensions											Attachment bolts	Mass Housing
d_a	A	A_1	A_2	A_3	H	H_1	H_2	J min.	J max.	J_1	L	G	
mm	mm											–	kg
75	90	138	140	50	252	112	44	312	328	–	380	M24	13,5
80	102	140	142	50	272	125	52	342	366	–	420	M24	14,5
90	102	146	148	50	272	125	52	342	366	–	420	M24	14,5
100	120	170	172	64	314	143	60	374	410	–	466	M24	20,5
110	178	178	180	76	372	162	38	438	462	120	508	M24	43,5
120	178	178	180	76	372	162	38	438	462	120	508	M24	43,5
130	178	190	192	76	405	181	41	470	494	120	558	M24	52
140	178	190	192	76	405	181	41	470	494	120	558	M24	52
150	178	200	202	76	430	213	32	356	380	114	508	M24	53
160	178	200	202	76	430	213	32	356	380	114	508	M24	53
180	204	200	206	95	470	210	50	546	570	128	636	M24	83

5 Flanged housings

Flanged housings provide a simple means of mounting split roller bearings against a face or bulkhead perpendicular to the shaft.

Designs and variants

The housings are available in two designs:

- round flange (**fig. 1**)
- square flange (**fig. 2**)

They can be used for both the locating (designation suffix GR) and non-locating (designation suffix EX) bearing positions.

Alternative designs, e.g. an axially compact housing design with a flat flange (**fig. 3**), are available on request.

Housing materials

- grey cast iron (grade EN-GJL-250 in accordance with BS EN 1561), as standard for housings with a round flange except when used with split tapered roller bearings where ductile iron (see below) is used
- ductile iron (grade EN-GJS-400/18 in accordance with BS EN 1563), as standard for housings with a square flange

Alternative materials are available. Please contact SKF for more information.

Permissible misalignment

Under constant or slowly changing alignment conditions, there is a permissible misalignment up to 2,5 ° without compromising sealing capability.

Fig. 1

Housing with a round flange

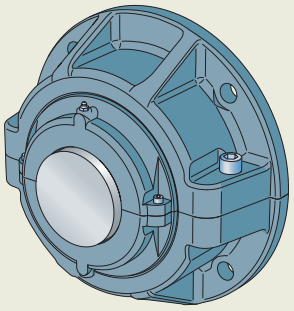


Fig. 2

Housing with a square flange

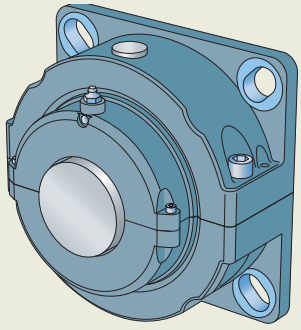
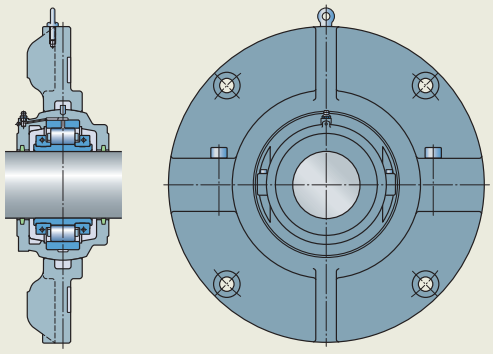


Fig. 3

Housing with a compact flange



Loads

The permissible radial load of a flanged housing is typically:

- 26% of the bearing static load rating (C_0) when using 01 or 02 series split cylindrical roller bearings
- 20% of the bearing static load rating (C_0) when using 01E, 02E, and 100 series split cylindrical roller bearings

For 03/03E series split cylindrical roller bearings, as well as split tapered roller bearings, contact SKF.

The permissible axial load of a flanged housing is typically:

- 18% of the bearing axial load rating (C_a) when using 100 series split cylindrical roller bearings
- 25% of the bearing axial load rating (C_a) when using 01 or 02 series split cylindrical roller bearings
- 13% of the bearing axial load rating (C_a) when using 01E or 02E series split cylindrical roller bearings

For 03/03E series split cylindrical roller bearings, as well as split tapered roller bearings, contact SKF.

Depending on the load direction, higher load carrying capacities may be possible with modified designs and alternative materials.

Design considerations

To maximize bearing service life and prevent deformation of the housing bore, SKF recommends the mounting surface (bulkhead or support plate) has:

- a flatness to tolerance grade IT7, in accordance with ISO 1101
- a surface roughness Ra ≤ 12,5 µm

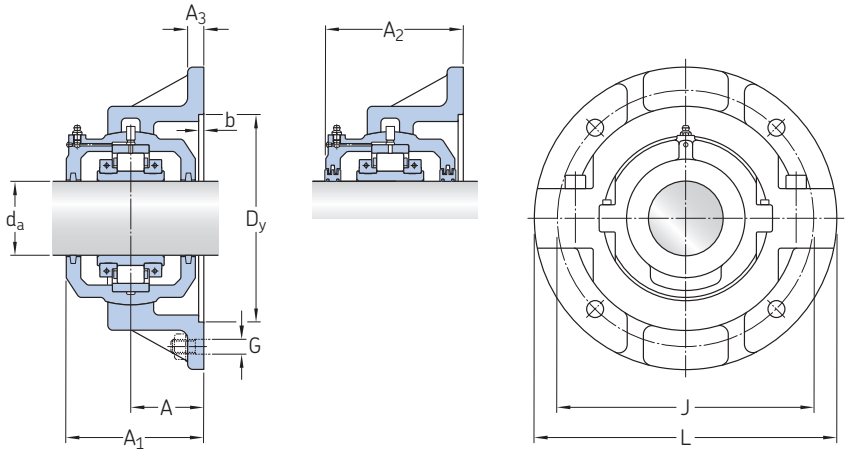
Square flanges are more appropriate for steel frames or skid mounted units.

Centring recesses

The housings are supplied with a centring recess, which can be used to centre the housing on a shoulder, guide ring, or spigot. Dimensions for the recess are provided in the product table, **page 150**. The recess is designed to suit a spigot diameter machining tolerance of f8.

5.1 Housings with a round flange for split cylindrical roller bearings

d_a **35 – 100** mm
1 3/16 – 3 3/4 *in.*



Felt seals Labyrinth seals

Shaft diameter	Designations[1]				Dimensions								Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	Housing
d_a														
mm/*in.*	–				mm								–	kg
1 3/16	**F01**	**01EB103**	–	**01C1**	51	94	94	13	119,06	3	164	204	M12 or *1/2 in.*	4,2
1 1/4	**F01**	**01EB104**	–	**01C1**	51	94	94	13	119,06	3	164	204	M12 or *1/2 in.*	4,2
35	**F01**	**01EB35M**	–	**01C1**	51	94	94	13	119,06	3	164	204	M12 or *1/2 in.*	4,2
1 7/16	**F01**	**01EB107**	–	**01C1**	51	94	94	13	119,06	3	164	204	M12 or *1/2 in.*	4,2
1 1/2	**F01**	**01EB108**	**01C108**	**01C1**	51	94	94	13	119,06	3	164	204	M12 or *1/2 in.*	4,2
40	**F01**	**01EB40M**	**01C40M**	**01C1**	51	94	94	13	119,06	3	164	204	M12 or *1/2 in.*	4,2
1 11/16	**F02**	**01EB111**	**01C111**	**01C2**	57	106	106	13	136,53	3	180	216	M12 or *1/2 in.*	5,1
1 3/4	**F02**	**01EB112**	**01C112**	**01C2**	57	106	106	13	136,53	3	180	216	M12 or *1/2 in.*	5,1
45	**F02**	**01EB45M**	**01C45M**	**01C2**	57	106	106	13	136,53	3	180	216	M12 or *1/2 in.*	5,1
1 15/16	**F02**	**01EB115**	**01C115**	**01C2**	57	106	106	13	136,53	3	180	216	M12 or *1/2 in.*	5,1
	F03	**02EB115**	**02C115**	**02C3**	67	124	124	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
50	**F02**	**01EB50M**	**01C50M**	**01C2**	57	106	106	13	136,53	3	180	216	M12 or *1/2 in.*	5,1
	F03	**02EB50M**	**02C50M**	**02C3**	67	124	124	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
2	**F02**	**01EB200**	**01C200**	**01C2**	57	106	106	13	136,53	3	180	216	M12 or *1/2 in.*	5,1
	F03	**02EB200**	**02C200**	**02C3**	67	124	124	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
55	**F03**	**01EB55M**	**01C55M**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
2 3/16	**F03**	**01EB203**	**01C203**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**02EB203**	**02C203**	**02C4**	73	136	136	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
2 1/4	**F03**	**01EB204**	**01C204**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**02EB204**	**02C204**	**02C4**	73	136	136	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
60	**F03**	**01EB60M**	**01C60M**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**0E2B60M**	**02C60M**	**02C4**	73	136	136	16	192,09	3	242	286	M12 or *1/2 in.*	12,4

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
[2] Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.)
[3] As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.

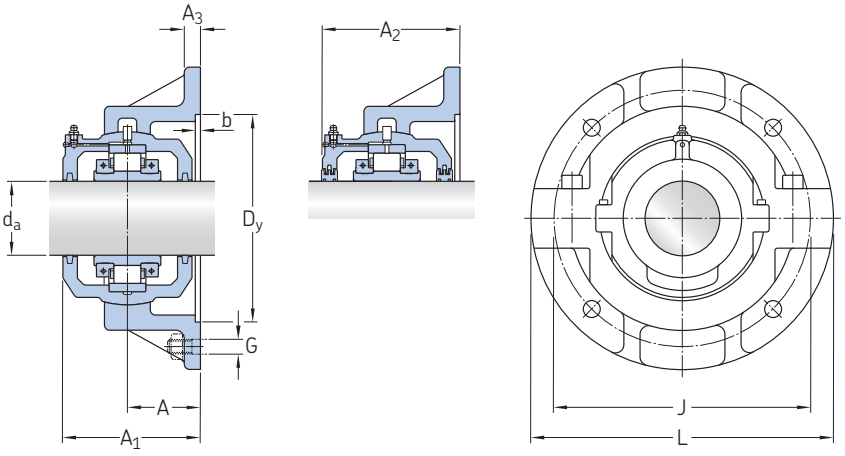
Shaft diameter	Designations[1]				Dimensions								Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	Housing
d_a														
mm/*in.*	–				mm								–	kg
2 7/16	**F03**	**01EB207**	**01C207**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**02EB207**	**02C207**	**02C4**	73	136	136	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
2 1/2	**F03**	**01EB208**	**01C208**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**02EB208**	**02C208**	**02C4**	73	136	136	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
65	**F03**	**01EB65M**	**01C65M**	**01C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**02EB65M**	**02C65M**	**02C4**	73	136	136	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
2 11/16	**F04**	**01EB211**	**01C211**	**01C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
	F05	**02EB211**	**02C211**	**02C5**	79	149	149	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
2 3/4	**F03**	**100B212**	**100C212**	**100C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**01EB212**	**01C212**	**01C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
	F05	**02EB212**	**02C212**	**02C5**	79	149	149	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
70	**F03**	**100B70M**	**100C70M**	**100C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**01EB70M**	**01C70M**	**01C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
	F05	**02EB70M**	**02C70M**	**02C5**	79	149	149	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
2 15/16	**F03**	**100B215**	**100C215**	**100C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**01EB215**	**01C215**	**01C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
	F05	**02EB215**	**02C215**	**02C5**	79	149	149	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
75	**F03**	**100B75M**	**100C75M**	**100C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**01EB75M**	**01C75M**	**01C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
	F05	**02EB75M**	**02C75M**	**02C5**	79	149	149	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
3	**F03**	**100B300**	**100C300**	**100C3**	67	119	119	16	166,69	3	218	260	M12 or *1/2 in.*	9,1
	F04	**01EB300**	**01C300**	**01C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,4
	F05	**02EB300**	**02C300**	**02C5**	79	149	149	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
80	**F05**	**01EB80M**	**01C80M**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB80M**	**02C80M**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
3 3/16	**F05**	**01EB303**	**01C303**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB303**	**02C303**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
3 1/4	**F05**	**01EB304**	**01C304**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB304**	**02C304**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
85	**F04**	**100B85M**	**100C85M**	**100C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,5
	F05	**01EB85M**	**01C85M**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB85M**	**02C85M**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
3 7/16	**F04**	**100B307**	**100C307**	**100C4**	73	130	130	16	192,09	3	242	286	M12 or *1/2 in.*	12,5
	F05	**01EB307**	**01EC307**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB307**	**02C307**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
3 1/2	**F05**	**01EB308**	**01EC308**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB308**	**02C308**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
90	**F05**	**01EB90M**	**01EC90M**	**01C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**02EB90M**	**02C90M**	**02C6**	86	163	163	19	244,48	3	302	356	M16 or *5/8 in.*	22
3 11/16	**F06**	**01EB311**	**01EC311**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**02EB311**	**02C311**	**02C7**	92	165	165	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
95	**F06**	**01EB95M**	**01EC95M**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
3 3/4	**F06**	**01EB312**	**01EC312**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**02EB312**	**02C312**	**02C7**	92	165	165	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
100	**F05**	**100B100M**	**100C100M**	**100C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**01EB100M**	**01EC100M**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**02EB100M**	**02C100M**	**02C7**	92	165	165	22	276,23	3	334	382	M16 or *5/8 in.*	26,5

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
[2] Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.)
[3] As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.

5.1 Housings with a round flange for split cylindrical roller bearings

d_a **105 – 170** mm

3 15/16 – 6 1/2 *in.*



Felt seals Labyrinth seals

Shaft diameter	Designations[1]		Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions								Attachment bolts	Mass
	Housing	Bearing			A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	Housing
d_a														
mm/*in.*	–				mm								–	kg
3 15/16	**F05**	**100B315**	**100C315**	**100C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**01EB315**	**01C315**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**02EB315**	**02C315**	**02C7**	92	165	165	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
4	**F05**	**100B400**	**100C400**	**100C5**	79	147	147	19	215,9	3	274	330	M16 or *5/8 in.*	19,5
	F06	**01EB400**	**01C400**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**02EB400**	**02C400**	**02C7**	92	165	165	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
105	**F06**	**01EB105M**	**01C105M**	**01C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**02EB105M**	**02C105M**	**02C7**	92	165	165	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
4 3/16	**F07**	**01EB403**	**01C403**	**01C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**02EB403**	**02C403**	**02C8**	98	179	179	22	314,33	3	374	432	M24 or *1 in.*	35
110	**F06**	**100B110M**	**100C110M**	**100C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**01EB110M**	**01C110M**	**01C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**02EB110M**	**02C110M**	**02C8**	98	179	179	22	314,33	3	374	432	M24 or *1 in.*	35
4 7/16	**F06**	**100B407**	**100C407**	**100C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**01EB407**	**01C407**	**01C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**02EB407**	**02C407**	**02C8**	98	179	179	22	314,33	3	374	432	M24 or *1 in.*	35
4 1/2	**F06**	**100B408**	**100C408**	**100C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**01EB408**	**01C408**	**01C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**02EB408**	**02C408**	**02C8**	98	179	179	22	314,33	3	374	432	M24 or *1 in.*	35
115	**F06**	**100B115M**	**100C115M**	**100C6**	86	153	153	19	244,48	3	302	356	M16 or *5/8 in.*	22
	F07	**01EB115M**	**01C115M**	**01C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**02EB115M**	**02C115M**	**02C8**	98	179	179	22	314,33	3	374	432	M24 or *1 in.*	35
120	**F07**	**100B120M**	**100C120M**	**100C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**01EB120M**	**01C120M**	**01C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F10	**02EB120M**	**02C120M**	**02C10**	114	206	206	25	346,07	3	412	470	M24 or *1 in.*	50
125	**F07**	**100B125M**	**100C125M**	**100C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**01EB125M**	**01C125M**	**01C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F10	**02EB125M**	**02C125M**	**02C10**	114	206	206	25	346,07	3	412	470	M24 or *1 in.*	50

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

[2] Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.)

[3] As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.

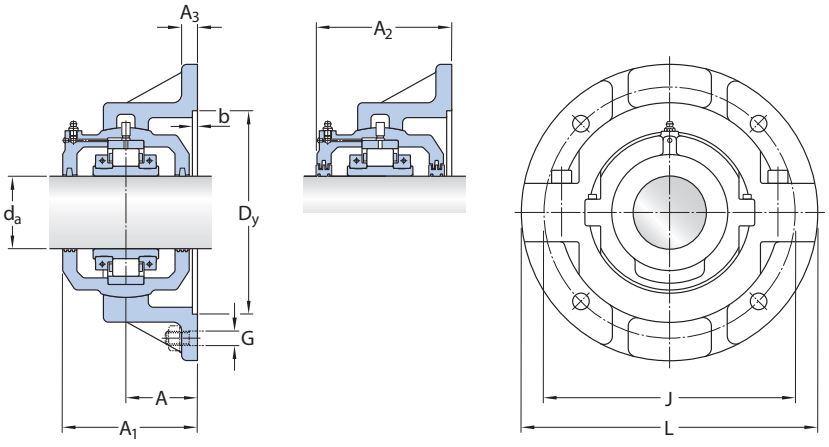
Shaft diameter	Designations[1]				Dimensions								Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	Housing
d_a														
mm/*in.*	–				mm								–	kg
4 15/16	**F07**	**100B415**	**100C415**	**100C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**01EB415**	**01C415**	**01C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F10	**02EB415**	**02C415**	**02C10**	114	206	206	25	346,07	3	412	470	M24 or *1 in.*	50
5	**F07**	**100B500**	**100C500**	**100C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**01EB500**	**01C500**	**01C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F10	**02EB500**	**02C500**	**02C10**	114	206	206	25	346,07	3	412	470	M24 or *1 in.*	50
130	**F07**	**100B130M**	**100C130M**	**100C7**	92	163	163	22	276,23	3	334	382	M16 or *5/8 in.*	26,5
	F08	**01EB130M**	**01C130M**	**01C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F10	**02EB130M**	**02C130M**	**02C10**	114	206	206	25	346,07	3	412	470	M24 or *1 in.*	50
5 3/16	**F09**	**01EB503**	**01C503**	**01C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F30	**02EB503**	**02C503**	**02C30**	114	208	208	25	377,82	3	444	508	M24 or *1 in.*	67
135	**F09**	**01EB135M**	**01C135M**	**01C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
5 7/16	**F08**	**100B507**	**100C507**	**100C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F09	**01EB507**	**01C507**	**01C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F30	**02EB507**	**02C507**	**02C30**	114	208	208	25	377,82	3	444	508	M24 or *1 in.*	67
5 1/2	**F08**	**100B508**	**100C508**	**100C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F09	**01EB508**	**01C508**	**01C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F30	**02EB508**	**02C508**	**02C30**	114	208	208	25	377,82	3	444	508	M24 or *1 in.*	67
140	**F08**	**100B140M**	**100C140M**	**100C8**	98	176	176	22	314,33	3	374	432	M24 or *1 in.*	35
	F09	**01EB140M**	**01C140M**	**01C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F30	**02EB140M**	**02C140M**	**02C30**	114	208	208	25	377,82	3	444	508	M24 or *1 in.*	67
145	**F30**	**02EB145M**	**02C145M**	**02C30**	114	208	208	25	377,82	3	444	508	M24 or *1 in.*	67
150	**F09**	**100B150M**	**100C150M**	**100C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F10	**01EB150M**	**01C150M**	**01C10**	114	201	201	25	346,07	3	412	470	M24 or *1 in.*	50
	F31	**02EB150M**	**02C150M**	**02C31**	124	226	226	25	393,7	3	466	534	M24 or *1 in.*	81
5 15/16	**F09**	**100B515**	**100C515**	**100C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F10	**01EB515**	**01C515**	**01C10**	114	201	201	25	346,07	3	412	470	M24 or *1 in.*	50
	F31	**02EB515**	**02C515**	**02C31**	124	226	226	25	393,7	3	466	534	M24 or *1 in.*	81
6	**F09**	**100B600**	**100C600**	**100C9**	98	182	182	25	317,5	3	384	444	M24 or *1 in.*	41
	F10	**01EB600**	**01C600**	**01C10**	114	201	201	25	346,07	3	412	470	M24 or *1 in.*	50
	F31	**02EB600**	**02C600**	**02C31**	124	226	226	25	393,7	3	466	534	M24 or *1 in.*	81
155	**F10**	**01EB155M**	**01C155M**	**01C10**	114	201	201	25	346,07	3	412	470	M24 or *1 in.*	50
	F31	**02EB155M**	**02C155M**	**02C31**	124	226	226	25	393,7	3	466	534	M24 or *1 in.*	81
160	**F10**	**01EB160MEX10**[4]	**01C160MEX14**[4]	**01C10EX10**[4]	114	201	201	25	346,07	3	412	470	M24 or *1 in.*	50
	F10	**01EB160MGR10**[4]	**01C160MGR10**[4]	**01C10GR10**[4]	114	201	201	25	346,07	3	412	470	M24 or *1 in.*	50
	F31	**02EB160MEX10**[4]	**02C160MEX10**[4]	**02C31EX10**[4]	124	226	226	25	393,7	3	466	534	M24 or *1 in.*	81
	F31	**02EB160MGR10**[4]	**02C160MGR10**[4]	**02C31GR10**[4]	124	226	226	25	393,7	3	466	534	M24 or *1 in.*	81
	F11	**01EB160M**	**01C160M**	**01C11**	105	191	201	25	352,43	3	426	496	M24 or *1 in.*	58
	F32	**02EB160M**	**02C160M**	**02C32**	124	227	240	29	428,63	5	508	584	M30 or *1 1/4 in.*	95
6 7/16	**F11**	**01EB607**	**01C607**	**01C11**	105	191	201	25	352,43	3	426	496	M24 or *1 in.*	58
	F32	**02EB607**	**02C607**	**02C32**	124	227	240	29	428,63	5	508	584	M30 or *1 1/4 in.*	95
6 1/2	**F11**	**01EB608**	**01C608**	**01C11**	105	191	201	25	352,43	3	426	496	M24 or *1 in.*	58
	F32	**02EB608**	**02C608**	**02C32**	124	227	240	29	428,63	5	508	584	M30 or *1 1/4 in.*	95
170	**F11**	**01EB170MEX13**[4]	**01C170MEX13**[4]	**01C11EX10**[4]	105	191	201	25	352,43	3	426	496	M24 or *1 in.*	58
	F11	**01EB170MGR14**[4]	**01C170MGR15**[4]	**01C11GR10**[4]	105	191	201	25	352,43	3	426	496	M24 or *1 in.*	58
	F12	**01EB170M**	**01C170M**	**01C12**	108	194	208	29	365,13	3	438	508	M24 or *1 in.*	62
	F32	**02EB170M**	**02C170M**	**02C32EX10**[4]	124	227	240	29	428,63	5	508	584	M30 or *1 1/4 in.*	95
	F32	**02EB170M**	**02C170M**	**02C32GR10**[4]	124	227	240	29	428,63	5	508	584	M30 or *1 1/4 in.*	95

1) Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
2) Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.)
3) As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.
4) Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

5.1 Housings with a round flange for split cylindrical roller bearings

d_a **175 – 400** mm

6 15/16 – 16 *in.*



Felt / Grease groove seals Labyrinth seals

Shaft diameter	Designations[1]				Dimensions								Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	Housing
d_a														
mm/*in.*	–				mm								–	kg
175	**F12**	**01EB175M**	**01C175M**	**01C12**	108	194	208	29	365,13	3	438	508	M24 or *1 in.*	62
	F33	**02EB175M**	**02C175M**	**02C33**	130	241	251	32	444,5	5	524	596	M30 or *1 1/4 in.*	100
6 15/16	**F12**	**01EB615**	**01C615**	**01C12**	108	194	208	29	365,13	3	438	508	M24 or *1 in.*	62
	F33	**02EB615**	**02C615**	**02C33**	130	241	251	32	444,5	5	524	596	M30 or *1 1/4 in.*	100
7	**F12**	**01EB700**	**01C700**	**01C12**	108	194	208	29	365,13	3	438	508	M24 or *1 in.*	62
	F33	**02EB700**	**02C700**	**02C33**	130	241	251	32	444,5	5	524	596	M30 or *1 1/4 in.*	100
180	**F12**	**01EB180M**	**01C180M**	**01C12**	108	194	208	29	365,13	3	438	508	M24 or *1 in.*	62
	F33	**02EB180M**	**02C180M**	**02C33**	130	241	251	32	444,5	5	524	596	M30 or *1 1/4 in.*	100
190	**F13**	**01EB190M**	**01C190M**	**01C13**	108	194	208	32	400,05	3	474	534	M24 or *1 in.*	71
	F34	**02EB190M**	**02C190M**	**02C34**	137	254,5	266	32	492,13	5	572	648	M30 or *1 1/4 in.*	138
200	**F12**	**100B200M**	**100C200M**	[4]	108	194	[4]	29	365,13	3	438	508	M24 or *1 in.*	62
	F13	**01EB200M**	**01C200M**	**01C13**	108	194	208	32	400,05	3	474	534	M24 or *1 in.*	71
	F34	**02EB200M**	**02C200M**	**02C34**	137	254,5	266	32	492,13	5	572	648	M30 or *1 1/4 in.*	138
7 15/16	**F12**	**100B715**	**100C715**	[4]	108	194	[4]	29	365,13	3	438	508	M24 or *1 in.*	62
	F13	**01EB715**	**01C715**	**01C13**	108	194	208	32	400,05	3	474	534	M24 or *1 in.*	71
	F34	**02EB715**	**02C715**	**02C34**	137	254,5	266	32	492,13	5	572	648	M30 or *1 1/4 in.*	138
8	**F12**	**100B800**	**100C800**	[4]	108	194	[4]	29	365,13	3	438	508	M24 or *1 in.*	62
	F13	**01EB800**	**01C800**	**01C13**	108	194	208	32	400,05	3	474	534	M24 or *1 in.*	71
	F34	**02EB800**	**02C800**	**02C34**	137	254,5	266	32	492,13	5	572	648	M30 or *1 1/4 in.*	138
220	**F13**	**100B220M**	**100C220M**	[4]	108	194	[4]	32	400,05	3	474	534	M24 or *1 in.*	71
	F14	**01EB220M**	**01C220M**	**01C14**	117	206	225	35	431,8	3	512	584	M30 or *1 1/4 in.*	85
	F35	**02EB220M**	**02C220M**	**02C35**	146	267	283	35	527,05	5	620	712	M36 or *1 1/2 in.*	145
9	**F14**	**01EB900**	**01C900**	**01C14**	117	206	225	35	431,8	3	512	584	M30 or *1 1/4 in.*	85
	F35	**02EB900**	**02C900**	**02C35**	146	267	283	35	527,05	5	620	712	M36 or *1 1/2 in.*	145
230	**F14**	**01EB230M**	**01C230M**	**01C14**	117	206	225	35	431,8	3	512	584	M30 or *1 1/4 in.*	85
	F35	**02EB230M**	**02C230M**	**02C35**	146	267	283	35	527,05	5	620	712	M36 or *1 1/2 in.*	145

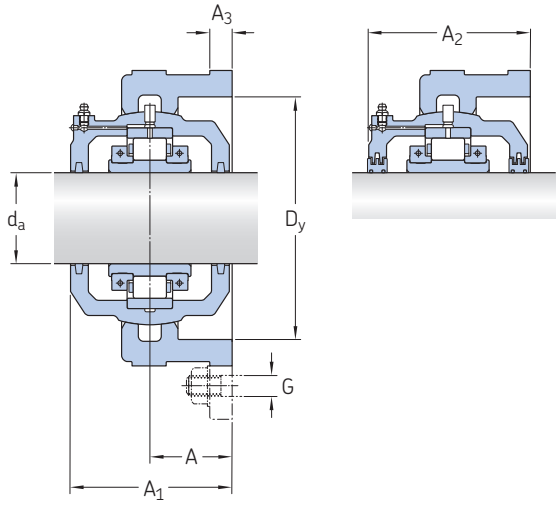
[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
[2] Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.)
[3] As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.
[4] Contact SKF.

Shaft diameter	Designations[1]				Dimensions								Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt / grease groove seals	Cartridge for labyrinth seals	A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	Housing
d_a														
mm/*in.*	–				mm								–	kg
240	**F15**	**01EB240M**	**01C240M**	**01C15**	117	211	228	35	463,55	3	542	610	M30 or *1 1/4 in.*	100
	F36	**02EB240M**	**02C240M**	**02C36**	149	273	289	38	568,33	5	660	736	M36 or *1 1/2 in.*	178
250	**F15**	**01EB250M**	**01C250M**	**01C15**	117	211	228	35	463,55	3	542	610	M30 or *1 1/4 in.*	100
	F36	**02EB250M**	**02C250M**	**02C36**	149	273	289	38	568,33	5	660	736	M36 or *1 1/2 in.*	178
10	**F15**	**01EB1000**	**01C1000**	**01C15**	117	211	228	35	463,55	3	542	610	M30 or *1 1/4 in.*	100
	F36	**02EB1000**	**02C1000**	**02C36**	149	273	289	38	568,33	5	660	736	M36 or *1 1/2 in.*	178
260	**F15**	**01EB260MEX16**[5]	**01C260MEX15**[5]	**01C15EX15**[5]	117	211	228	35	463,55	3	542	610	M30 or *1 1/4 in.*	100
	F15	**01EB260MGR15**[5]	**01C260MGR12**[5]	**01C15GR13**[5]	117	211	228	35	463,55	3	542	610	M30 or *1 1/4 in.*	100
	F16	**01EB260M**	**01C260M**	**01C16**	124	226	240	38	504,83	3	584	660	M30 or *1 1/4 in.*	116
	F36	**02EB260M**	**02C260M**	**02C36EX10**[5]	149	273	289	38	568,33	5	660	736	M36 or *1 1/2 in.*	178
	F36	**02EB260M**	**02C260M**	**02C36GR11**[5]	149	273	289	38	568,33	5	660	736	M36 or *1 1/2 in.*	178
270	**F16**	**01EB270M**	**01C270M**	**01C16**	124	226	240	38	504,83	3	584	660	M30 or *1 1/4 in.*	116
275	**F16**	**01EB275M**	**01C275M**	**01C16**	124	226	240	38	504,83	3	584	660	M30 or *1 1/4 in.*	116
11	**F16**	**01EB1100**	**01C1100**	**01C16**	124	226	240	38	504,83	3	584	660	M30 or *1 1/4 in.*	116
	F37	**02EB1100**	**02C1100**	**02C37**	159	291	309	38	603,25	5	682	762	M30 or *1 1/4 in.*[4]	195
280	**F16**	**01EB280M**	**01C280M**	**01C16**	124	226	240	38	504,83	3	584	660	M30 or *1 1/4 in.*	116
	F37	**02EB280M**	**02C280M**	**02C37**	159	291	309	38	603,25	5	682	762	M30 or *1 1/4 in.*[4]	195
290	**F17**	**01EB290M**	**01C290M**	**01C17**	133	241	257	38	539,75	3	626	712	M30 or *1 1/4 in.*	119
300	**F17**	**01EB300M**	**01C300M**	**01C17**	133	241	257	38	539,75	3	626	712	M30 or *1 1/4 in.*	119
	F38	**02EB300M**	**02C300M**	**02C38**	162	296	315	41	628,65	5	708	788	M30 or *1 1/4 in.*[4]	195
12	**F17**	**01EB1200**	**01C1200**	**01C17**	133	241	257	38	539,75	3	626	712	M30 or *1 1/4 in.*	119
	F38	**02EB1200**	**02C1200**	**02C38**	162	296	315	41	628,65	5	708	788	M30 or *1 1/4 in.*[4]	195
320	**F18**	**01B320M**	**01C320M**	**01C18**	152	282	288	38	584,2	5	698	812	M36 or *1 1/2 in.*	184
	F39	**02B320M**	**02C320M**	**02C39**	190	339	355	45	680	7	800	914	M30 or *1 1/4 in.*[4]	309
330	**F18**	**01B330M**	**01C330M**	**01C18**	152	282	288	38	584,2	5	698	812	M36 or *1 1/2 in.*	184
	F39	**02B330M**	**02C330M**	**02C39**	190	339	355	45	680	7	800	914	M30 or *1 1/4 in.*[4]	309
13	**F18**	**01B1300**	**01C1300**	**01C18**	152	282	288	38	584,2	5	698	812	M36 or *1 1/2 in.*	184
	F39	**02B1300**	**02C1300**	**02C39**	190	339	355	45	680	7	800	914	M30 or *1 1/4 in.*[4]	309
340	**F18**	**01B340MEX13**[5]	**01C340MEX12**[5]	**01C18EX**[5]	152	282	288	38	584,2	5	698	812	M36 or *1 1/2 in.*	184
	F18	**01B340MGR13**[5]	**01C340MGR11**[5]	**01C18GR**[5]	152	282	288	38	584,2	5	698	812	M36 or *1 1/2 in.*	184
	F19	**01B340M**	**01C340M**	**01C19**	140	270	276	40	610	7	738	850	M36 or *1 1/2 in.*	207
350	**F19**	**01B350M**	**01C350M**	**01C19**	140	270	276	40	610	7	738	850	M36 or *1 1/2 in.*	207
14	**F19**	**01B1400**	**01C1400**	**01C19**	140	270	276	40	610	7	738	850	M36 or *1 1/2 in.*	207
360	**F19**	**01B360MEX15**[5]	**01C360MGR13**[5]	**01C19EX**[5]	140	270	276	40	610	7	738	850	M36 or *1 1/2 in.*	207
	F19	**01B360MGR15**[5]	**01C360MGR16**	**01C19GR**[5]	140	270	276	40	610	7	738	850	M36 or *1 1/2 in.*	207
	F20	**01B360M**	**01C360M**	**01C20**	165	295	305	44	673,1	5	800	914	M30 or *1 1/4 in.*[4]	276
380	**F20**	**01B380M**	**01C380M**	**01C20**	165	295	305	44	673,1	5	800	914	M30 or *1 1/4 in.*[4]	276
15	**F20**	**01B1500**	**01C1500**	**01C20**	165	295	305	44	673,1	5	800	914	M30 or *1 1/4 in.*[4]	276
390	**F21**	**01B390M**	**01C390M**	**01C21**	165	305	308	44	673,1	5	800	914	M30 or *1 1/4 in.*[4]	273
400	**F21**	**01B400M**	**01C400M**	**01C21**	165	305	308	44	673,1	5	800	914	M30 or *1 1/4 in.*[4]	273
16	**F21**	**01B1600**	**01C1600**	**01C21**	165	305	308	44	673,1	5	800	914	M30 or *1 1/4 in.*[4]	273

1) Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
2) Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.)
3) As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.
4) Eight bolts required.
5) Most designations shown require either suffix "EX" to denote non-locating type, or "GR" to denote locating type. Designations which already include "EX" or "GR" followed by a numerical suffix are complete designations and indicate non-locating and locating types respectively.

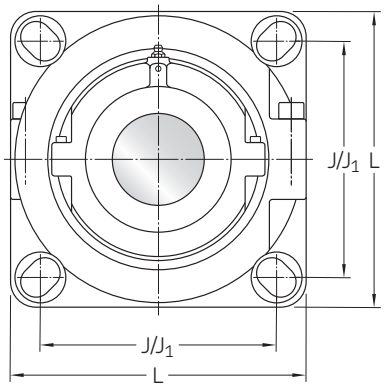
5.2 Housings with a square flange for split cylindrical roller bearings

d_a **45 – 100** mm
1 11/16 – 3 15/16 *in.*



Felt seals

Labyrinth seals



J for socket head cap screws, J_1 for hexagonal head bolts

Shaft diameter	Designations[1]				Dimensions									Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt seals	Cartridge for laby-rinth seals	A	A_1	A_2	A_3	D_y	J min.	J max.	J_1	L	G	Housing
d_a															
mm/*in.*	–				mm									–	kg
1 11/16	**DF02**	**01EB111**	**01C111**	**01C2**	52	101	101	13	120	114	118	118	165	M12 or *1/2 in.*	4
1 3/4	**DF02**	**01EB112**	**01C112**	**01C2**	52	101	101	13	120	114	118	118	165	M12 or *1/2 in.*	4
45	**DF02**	**01EB45M**	**01C45M**	**01C2**	52	101	101	13	120	114	118	118	165	M12 or *1/2 in.*	4
1 15/16	**DF02**	**01EB115**	**01C115**	**01C2**	52	101	101	13	120	114	118	118	165	M12 or *1/2 in.*	4
50	**DF02**	**01EB50M**	**01C50M**	**01C2**	52	101	101	13	120	114	118	118	165	M12 or *1/2 in.*	4
2	**DF02**	**01EB200**	**01C200**	**01C2**	52	101	101	13	120	114	118	118	165	M12 or *1/2 in.*	4
55	**DF03**	**01EB55M**	**01C55M**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
2 3/16	**DF03**	**01EB203**	**01C203**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
2 1/4	**DF03**	**01EB204**	**01C204**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
60	**DF03**	**01EB60M**	**01C60M**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
2 7/16	**DF03**	**01EB207**	**01C207**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
2 1/2	**DF03**	**01EB208**	**01C208**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
65	**DF03**	**01EB65M**	**01C65M**	**01C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
2 11/16	**DF04**	**01EB211**	**01C211**	**01C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
2 3/4	**DF03**	**100B212**	**100C212**	**100C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
	DF04	**01EB212**	**01C212**	**01C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
70	**DF03**	**100B70M**	**100C70M**	**100C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
	DF04	**01EB70M**	**01C70M**	**01C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
2 15/16	**DF03**	**100B215**	**100C215**	**100C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
	DF04	**01EB215**	**01C215**	**01C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
75	**DF03**	**100B75M**	**100C75M**	**100C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
	DF04	**01EB75M**	**01C75M**	**01C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

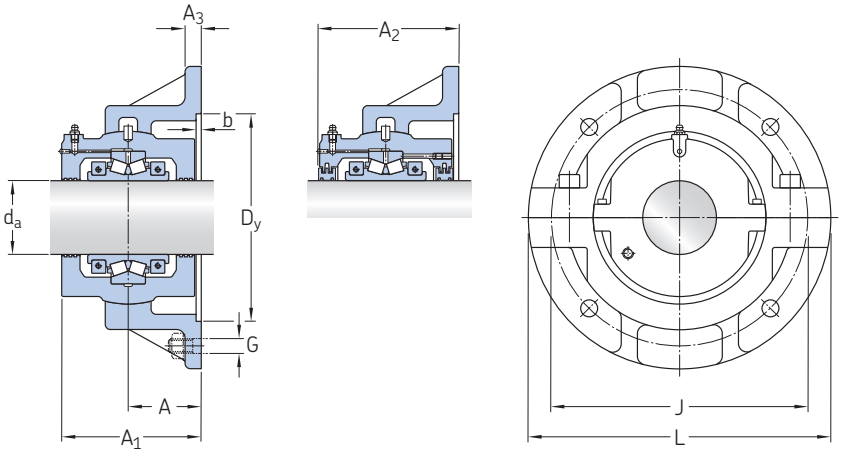
Shaft diameter	Designations[1]				Dimensions									Attachment bolts	Mass
	Housing	Bearing	Cartridge with felt seals	Cartridge for laby-rinth seals	A	A_1	A_2	A_3	D_y	J min.	J max.	J_1	L	G	Housing
d_a															
mm/*in.*	–				mm									–	kg
3	**DF03**	**100B300**	**100C300**	**100C3**	55	107	107	16	146	136	149	141	184	M16 or *5/8 in.*	5,6
	DF04	**01EB300**	**01C300**	**01C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
80	**DFN0510**	**01EB80M**	**01C80M**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
3 3/16	**DFN0510**	**01EB303**	**01C303**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
3 1/4	**DFN0510**	**01EB304**	**01C304**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
85	**DF04**	**100B85M**	**100C85M**	**100C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
	DFN0510	**01EB85M**	**01C85M**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
3 7/16	**DF04**	**100B307**	**100C307**	**100C4**	60	117	117	16	178	164	175	171	217	M20 or *3/4 in.*	8,5
	DFN0510	**01EB307**	**01C307**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
3 1/2	**DFN0510**	**01EB308**	**01C308**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
90	**DFN0510**	**01EB90M**	**01C90M**	**01C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
100	**DFN0510**	**100B100M**	**100C100M**	**100C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
3 15/16	**DFN0510**	**100B315**	**100C315**	**100C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11
4	**DFN0510**	**100B400**	**100C400**	**100C5**	79	147	147	25	180	171	171	171	214[2]	M20 or *3/4 in.*	11

[1] Only basic designations are shown. A suffix is required to specify if the bearing and cartridge are for the locating or non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

[2] Applies to the mounting face of the flange. Joint bosses project beyond the footprint of the mounting face. The width over the joint bosses is 255 mm.

5.3 Housings with a round flange for split tapered rolling bearings

d_a **75 – 180** mm



Grease groove seals Labyrinth seals

Shaft diameter	Designations[1]				Dimensions								Attachment bolts	Mass
	Housing	Bearing	Cartridge with grease groove seals	Cartridge for labyrinth seals										Housing
d_a					A	A_1	A_2	A_3	D_y	b[2]	J	L[3]	G	
mm	–				mm								–	kg
75	**FN05**	**1DTB75M**	**1DTC75GR75M**	**1DTC75GR30TL**	79	148	149	19	215,9	3	274	330	M16	19,5
80	**FN06**	**1DTB80M**	**1DTC80GR80M**	**1DTC80GR35TL**	86	156	157	19	244,48	3	302	356	M16	22
90	**FN06**	**1DTB90M**	**1DTC90GR90M**	**1DTC90GR35TL**	86	159	160	19	244,48	3	302	356	M16	22
100	**FN07**	**1DTB100M**	**1DTC100GR100M**	**1DTC100GR40TL**	92	177	178	22	276,23	3	334	382	M16	26,5
110	**FN08**	**1DTB110M**	**1DTC110GR110M**	**1DTC110GR45TL**	98	187	188	22	314,33	3	374	432	M24	35
120	**FN08**	**1DTB120M**	**1DTC120GR120M**	**1DTC120GR50TL**	98	187	188	22	314,33	3	374	432	M24	35
130	**FN09**	**1DTB130M**	**1DTC140GR130M**	**1DTC140GR50TL**	98	193	194	25	317,5	3	384	444	M24	41
140	**FN09**	**1DTB140M**	**1DTC140GR140M**	**1DTC140GR55TL**	98	193	194	25	317,5	3	384	444	M24	41
150	**FN11**	**1DTB150M**	**1DTC160GR150M**	**1DTC160GR60TL**	105	205	206	25	352,43	3	426	496	M24	58
160	**FN11**	**1DTB160M**	**1DTC160GR160M**	**1DTC160GR65TL**	105	205	206	25	352,43	3	426	496	M24	58
180	**FN31**	**1DTB180M**	**1DTC180GR180M**	**1DTC180GR70TL**	124	224	227	25	393,7	3	466	534	M24	81

[1] Only basic designations are shown. Other bearing options are available on request. For additional information, refer to *Designations* on **page 186**. For cartridges with rubber lip seal and retaining plate, contact SKF..

[2] Recommended depth of locating spigot on bulkhead. (The housing recess is deeper than the dimension provided.) Where rubber lip seal and retaining plate are used, the cartridge assembly may protrude into the bulkhead. For additional information, contact SKF.

[2] As-cast dimension. Depending upon the manufacturing method used, the flange supplied may be machined 5 mm smaller than the dimension provided.

6 Hanger housings

Hanger housings are a compact means of supporting the shafts of screw conveyors and similar equipment. The bearing is mounted directly into a split housing, called a hanger, with a threaded boss (without a cartridge), to allow suspension from the conveyor cross-bracing.

Designs and variants

Hanger housings are available in three designs (**fig. 1**):

- single boss type, standard, for suspension from a single rod above (to minimize the obstruction to material flow in scroll conveyors)
- double boss type, where locating the housing from above and below is desired
- triple boss type, for locating the hanger in three places located 120 degrees apart

They are only suitable for the non-locating bearing position (designation suffix EX). Bearings in the 100 series offer the lowest housing frontal area for a given shaft diameter.

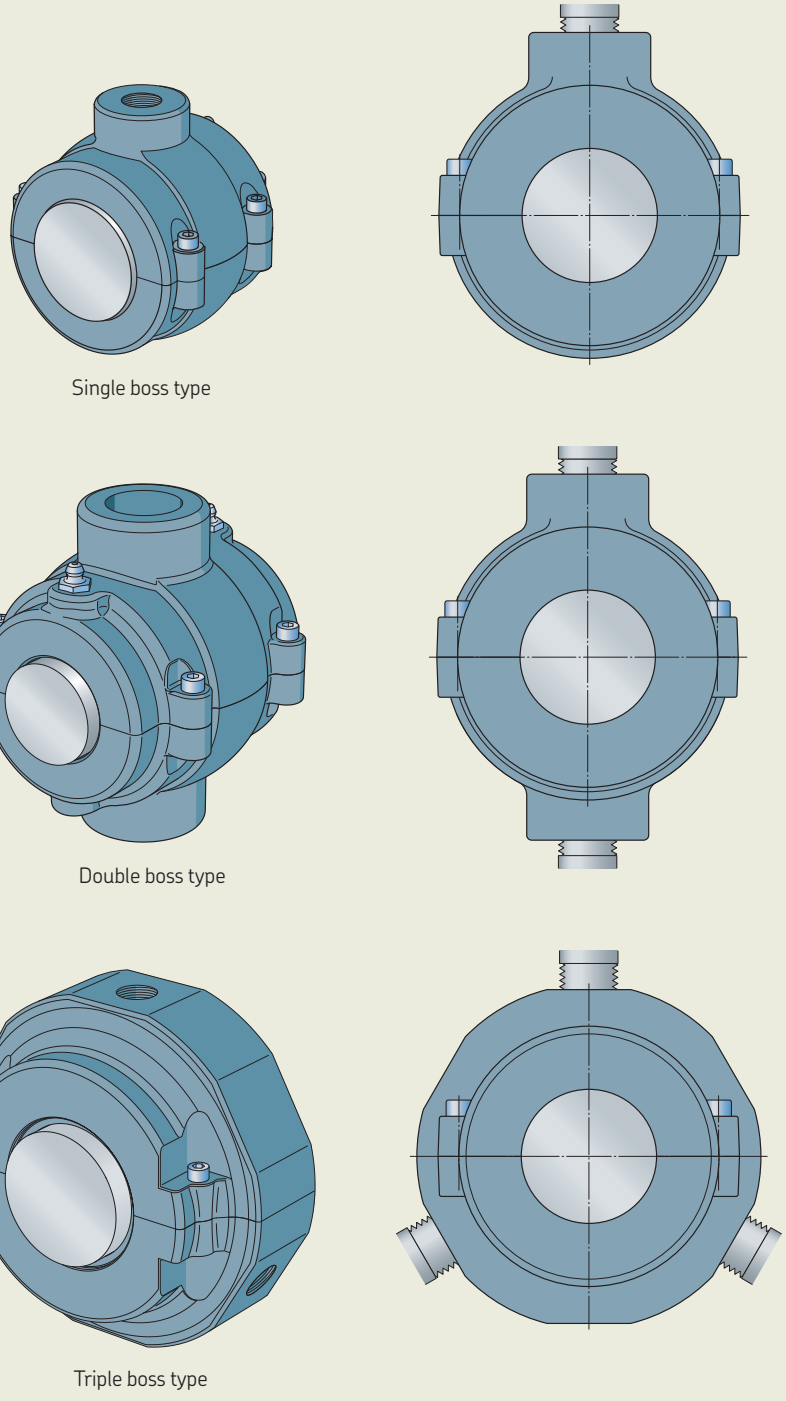
Housing materials

- grey cast iron (grade EN-GJL-250 in accordance with BS EN 1561), as standard

Alternative materials are available. Please contact SKF for more information.

Fig. 1

Hanger housings



Single boss type

Double boss type

Triple boss type

Sealing

As hanger housings do not have cartridges, the seals are mounted directly into the housing. The housing can accommodate:

- double felt seals, as standard
- rubber lip or high temperature packing seals, on request

Alternative seals, for example heavy-duty lip seals (**fig. 2**), are available on request and require a housing with different machining.

Design considerations

Bearing alignment

SKF recommends a swivel fixing at the cross-bracing joint to provide for alignment of the bearing (**fig. 3**).

Lubrication

Lubrication points are not fitted to hangers as standard, with provision for lubrication of the bearing usually made through the suspension rod. Continuous grease lubrication is sometimes desirable.

Grease purging

SKF can supply the housings with tapped holes that lead into the space between the seal grooves at each end of the housing (**fig. 2**, designation suffix AP). This is for connection to either a grease supply or an air supply for regular or continuous purging of the seals.

Fig. 2

Hanger with heavy-duty lip seals

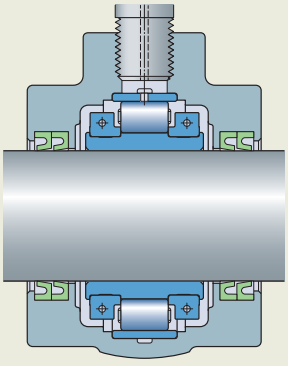
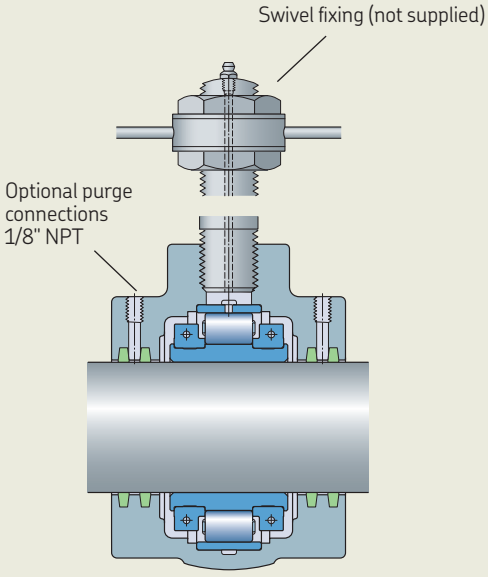


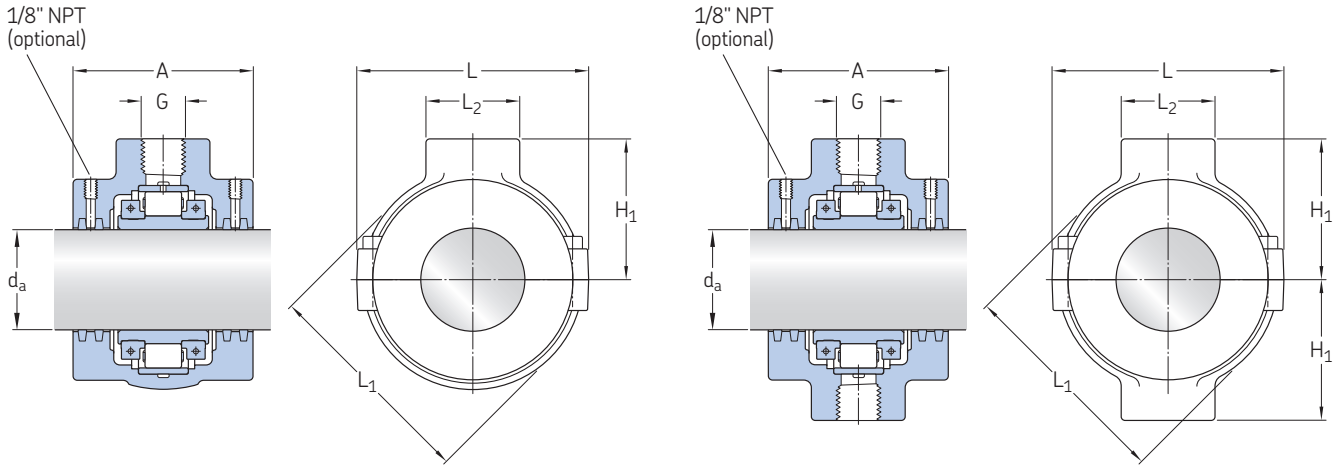
Fig. 3

Aligning the bearing



6.1 Single and double boss hanger housings for split cylindrical roller bearings

d_a **40 – 125** mm
1 1/2 – 5 *in.*



Single boss

Double boss

Shaft diameter d_a	**Designations**[1] Housing	Bearing	**Dimensions** A	H_1	L	L_1	L_2	G	**Mass** Housing[2]
mm/*in.*	–		mm						kg
1 1/2	**01H108**	**01EB108EX**	108	66	106	100	50	1"– 8 UNC	2,6
40	**01H40M**	**01EB40MEX**	108	66	106	100	50	M30	2,6
1 11/16	**01H111**	**01EB111EX**	108	76	123	118	50	1"– 8 UNC	4,1
1 3/4	**01H112**	**01EB112EX**	108	76	123	118	50	1"– 8 UNC	4,1
45	**01H45M**	**01EB45MEX**	108	76	123	118	50	M30	4,1
1 15/16	**01H115**	**01EB115EX**	108	76	123	118	50	1"– 8 UNC	4,1
50	**01H50M**	**01EB50MEX**	108	76	123	118	50	M30	4,1
2	**01H200**	**01EB200EX**	108	76	123	118	50	1"– 8 UNC	4,1
55	**01H55M**	**01EB55MEX**	108	82	139	134	50	M30	4,7
2 3/16	**01H203**	**01EB203EX**	108	82	139	134	50	1"– 8 UNC	4,7
2 1/4	**01H204**	**01EB204EX**	108	82	139	134	50	1"– 8 UNC	4,7
60	**01H60M**	**01EB60MEX**	108	82	139	134	50	M30	4,7
2 7/16	**01H207**	**01EB207EX**	108	82	139	134	50	1"– 8 UNC	4,7
2 1/2	**01H208**	**01EB208EX**	108	82	139	134	50	1"– 8 UNC	4,7
65	**01H65M**	**01EB65MEX**	108	82	139	134	50	M30	4,7
2 11/16	**01H211**	**01EB211EX**	130	92	162	158	50	1"– 8 UNC	8
2 3/4	**100H212** **01H212**	**100B212EX** **01EB212EX**	108 130	82 92	139 162	134 158	50 50	1"- 8 UNC 1"– 8 UNC	4,7 8
70	**100H70M** **01H70M**	**100B70MEX** **01EB70MEX**	108 130	82 92	139 162	134 158	50 50	M30 M30	4,7 8

[1] Only basic designations are shown. Housings are supplied with double felt seals as standard. For double boss units, add the designation suffix DOUBLE BOSS e.g. 01H207 DOUBLE BOSS. The designation suffix EX refers to bearings in the non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
[2] The mass provided is for single boss housings. The mass for double boss housings is slightly heavier.

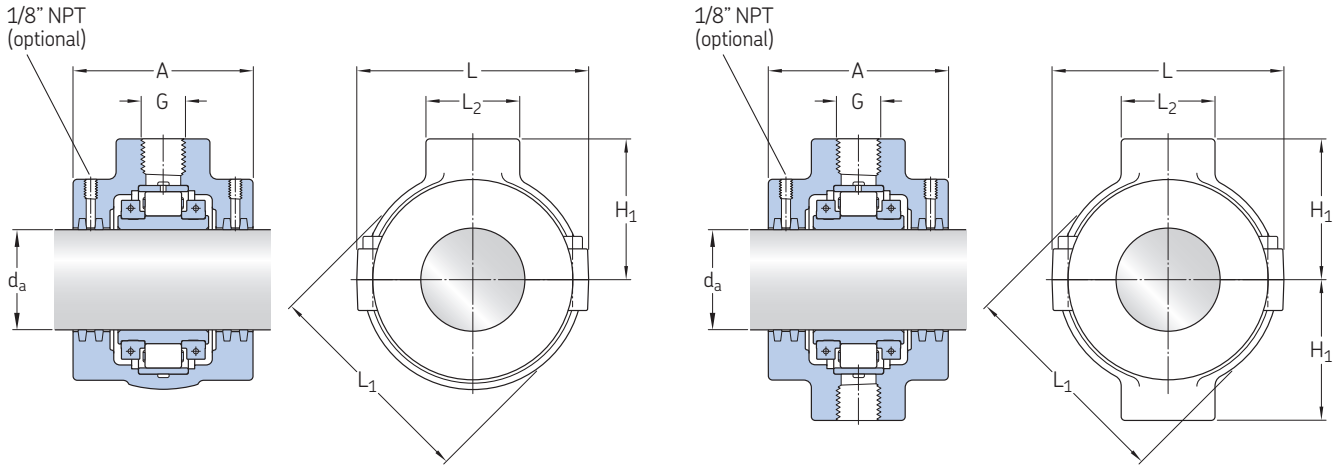
Shaft diameter d_a	Designations[1] Housing	Bearing	Dimensions A	H_1	L	L_1	L_2	G	Mass Housing[2]
mm/*in.*	–		mm						kg
2 15/16	**100H215**	**100B215EX**	108	82	139	134	50	1"– 8 UNC	4,7
	01H215	**01EB215EX**	130	92	162	158	50	1"– 8 UNC	8
75	**100H75M**	**100B75MEX**	108	82	139	134	50	M30	4,7
	01H75M	**01EB75MEX**	130	92	162	158	50	M30	8
3	**100H300**	**100B300EX**	108	82	139	134	50	1"– 8 UNC	4,7
	01H300	**01EB300EX**	130	92	162	158	50	1"– 8 UNC	8
80	**01H80M**	**01EB80MEX**	146	114	188	178	76	M36	12
3 3/16	**01H303**	**01EB303EX**	146	114	188	178	76	1 1/2" – 6 UNC	12
3 1/4	**01H304**	**01EB304EX**	146	114	188	178	76	1 1/2" – 6 UNC	12
85	**100H85M**	**100B85MEX**	130	92	162	158	50	M30	8
	01H85M	**01EB85MEX**	146	114	188	178	76	M36	12
3 7/16	**100H307**	**100B307EX**	130	92	162	158	50	1"– 8 UNC	8
	01H307	**01EB307EX**	146	114	188	178	76	1 1/2" – 6 UNC	12
3 1/2	**01H308**	**01EB308EX**	146	114	188	178	76	1 1/2" – 6 UNC	12
90	**01H90M**	**01EB90MEX**	146	114	188	178	76	M36	12
3 11/16	**01H311**	**01EB311EX**	152	127	204	203	76	1 1/2" – 6 UNC	14
95	**01H95M**	**01EB95MEX**	152	127	204	203	76	M36	14
3 3/4	**01H312**	**01EB312EX**	152	127	204	203	76	1 1/2" – 6 UNC	14
100	**100H100M**	**100B100MEX**	146	114	188	178	76	M36	12
	01H100M	**01EB100MEX**	152	127	204	203	76	M36	14
3 15/16	**100H315**	**100B315EX**	146	114	188	178	76	1 1/2" – 6 UNC	12
	01H315	**01EB315EX**	152	127	204	203	76	1 1/2" – 6 UNC	14
4	**100H400**	**100B400EX**	146	114	188	178	76	1 1/2" – 6 UNC	12
	01H400	**01EB400EX**	152	127	204	203	76	1 1/2" – 6 UNC	14
105	**01H105M**	**01EB105MEX**	152	127	204	203	76	M36	14
4 3/16	**01H403**	**01EB403EX**	156	140	226	232	76	1 1/2" – 6 UNC	16,5
110	**100H110M**	**100B110MEX**	152	127	204	203	76	M36	14
	01H110M	**01EB110MEX**	156	140	226	232	76	M36	16,5
4 7/16	**100H407**	**100B407EX**	152	127	204	203	76	1 1/2" – 6 UNC	14
	01H407	**01EB407EX**	156	140	226	232	76	1 1/2" – 6 UNC	16,5
4 1/2	**100H408**	**100B408EX**	152	127	204	203	76	1 1/2" – 6 UNC	14
	01H408	**01EB408EX**	156	140	226	232	76	1 1/2" – 6 UNC	16,5
115	**100H115M**	**100B115MEX**	152	127	204	203	76	M36	14
	01H115M	**01EB115MEX**	156	140	226	232	76	M36	16,5
120	**100H120M**	**100B120MEX**	156	140	226	232	76	M36	16,5
	01H120M	**01EB120MEX**	162	156	238	276	76	M36	22,5
125	**100H125M**	**100B125MEX**	156	140	226	232	76	M36	16,5
	01H125M	**01EB125MEX**	162	156	238	276	76	M36	22,5
4 15/16	**100H415**	**100B415EX**	156	140	226	232	76	1 1/2" – 6 UNC	16,5
	01H415	**01EB415EX**	162	156	238	276	76	1 1/2" – 6 UNC	22,5
5	**100H500**	**100B500EX**	156	140	226	232	76	1 1/2" – 6 UNC	16,5
	01H500	**01EB500EX**	162	156	238	276	76	1 1/2" – 6 UNC	22,5

[1] Only basic designations are shown. Housings are supplied with double felt seals as standard. For double boss units, add the designation suffix DOUBLE BOSS e.g. 01H207 DOUBLE BOSS. The designation suffix EX refers to bearings in the non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

[2] The mass provided is for single boss housings. The mass for double boss housings is slightly heavier.

6.1 Single and double boss hanger housings for split cylindrical roller bearings

d_a **130 – 150** mm
6 3/16 – 6 *in.*



Single boss

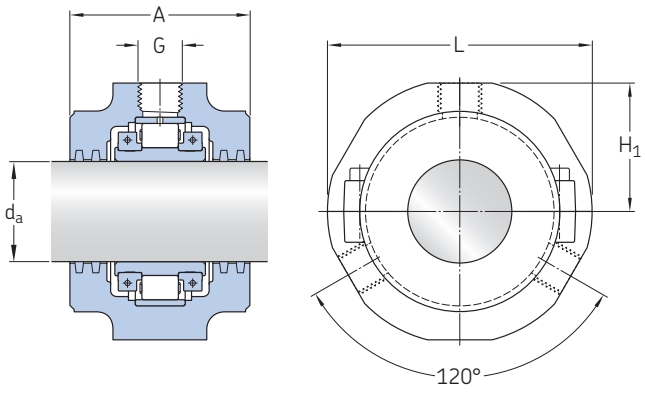
Double boss

Shaft diameter d_a	**Designations**[1] Housing	Bearing	**Dimensions** A	H_1	L	L_1	L_2	G	**Mass** Housing[2]
mm/*in.*	–		mm						kg
130	**100H130M**	**100B130MEX**	156	140	226	232	76	M36	16,5
	01H130M	**01EB130MEX**	162	156	238	276	76	M36	22,5
6 3/16	**01H503**	**01EB503EX**	158	160	264	280	76	1 1/2" – 6 UNC	21
135	**01H135M**	**01EB135MEX**	158	160	264	280	76	M36	21
5 7/16	**100H507**	**100B507EX**	162	156	238	276	76	1 1/2" – 6 UNC	22,5
	01H507	**01EB507EX**	158	160	264	280	76	1 1/2" – 6 UNC	21
5 1/2	**100H508**	**100B508EX**	162	156	238	276	76	1 1/2" – 6 UNC	22,5
	01H508	**01EB508EX**	158	160	264	280	76	1 1/2" – 6 UNC	21
140	**100H140M**	**100B140MEX**	162	156	238	276	76	M36	22,5
	01H140M	**01EB140MEX**	158	160	264	280	76	M36	21
150	**100H150M**	**100B150MEX**	158	160	264	280	76	M36	21
5 15/16	**100H515**	**100B515EX**	158	160	264	280	76	1 1/2" – 6 UNC	21
6	**100H600**	**100B600EX**	158	160	264	280	76	1 1/2" – 6 UNC	21

[1] Only basic designations are shown. Housings are supplied with double felt seals as standard. For double boss units, add the designation suffix DOUBLE BOSS e.g. 01H207 DOUBLE BOSS. The designation suffix EX refers to bearings in the non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**
[2] The mass provided is for single boss housings. The mass for double boss housings is slightly heavier.

6.2 Triple boss hanger housings for split cylindrical roller bearings

d_a **45 – 130** mm
1 11/16 – 5 *in.*



Shaft diameter d_a	Designations[1] Housing	Bearing	Dimensions A	H_1	L	G	Mass Housing
mm/*in.*	–		mm				kg
1 11/16	**01H111 TRIPLE BOSS**	**01EB111EX**	109	76	160	1"– 8 UNC	6,4
1 3/4	**01H112 TRIPLE BOSS**	**01EB112EX**	109	76	160	1"– 8 UNC	6,4
45	**01H45M TRIPLE BOSS**	**01EB45MEX**	109	76	160	M30	6,4
1 15/16	**01H115 TRIPLE BOSS**	**01EB115EX**	109	76	160	1"– 8 UNC	6,4
50	**01H50M TRIPLE BOSS**	**01EB50MEX**	109	76	160	M30	6,4
2	**01H200 TRIPLE BOSS**	**01EB200EX**	109	76	160	1"– 8 UNC	6,4
2 11/16	**01H211 TRIPLE BOSS**	**01EB211EX**	130	92	190	1"– 8 UNC	10
2 3/4	**01H212 TRIPLE BOSS**	**01EB212EX**	130	92	190	1"– 8 UNC	10
70	**01H70M TRIPLE BOSS**	**01EB70MEX**	130	92	190	M30	10
2 15/16	**01H215 TRIPLE BOSS**	**01EB215EX**	130	92	190	1"– 8 UNC	10
75	**01H75M TRIPLE BOSS**	**01EB75MEX**	130	92	190	M30	10
3	**01H300 TRIPLE BOSS**	**01EB300EX**	130	92	190	1"– 8 UNC	10
85	**100H85M TRIPLE BOSS**	**100B85MEX**	130	92	190	M30	10
3 7/16	**100H307 TRIPLE BOSS**	**100B307EX**	130	92	190	1"– 8 UNC	10
4 3/16	**01H403 TRIPLE BOSS**	**01EB403EX**	170	140	290	1 1/2" – 6 UNC	30
110	**01H110M TRIPLE BOSS**	**01EB110MEX**	170	140	290	M36	30
4 7/16	**01H407 TRIPLE BOSS**	**01EB407EX**	170	140	290	1 1/2" – 6 UNC	30
4 1/2	**01H408 TRIPLE BOSS**	**01EB408EX**	170	140	290	1 1/2" – 6 UNC	30
115	**01H115M TRIPLE BOSS**	**01EB115MEX**	170	140	290	M36	30
120	**100H120M TRIPLE BOSS**	**100B120MEX**	170	140	290	M36	30
125	**100H125M TRIPLE BOSS**	**100B125MEX**	170	140	290	M36	30
4 15/16	**100H415 TRIPLE BOSS**	**100B415EX**	170	140	290	1 1/2" – 6 UNC	30
5	**100H500 TRIPLE BOSS**	**100B500EX**	170	140	290	1 1/2" – 6 UNC	30
130	**100H130M TRIPLE BOSS**	**100B130MEX**	170	140	290	M36	30

[1] Only basic designations are shown. Housings are supplied with double felt seals as standard. The designation suffix EX refers to bearings in the non-locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

7 Take-up housings

Take-up housings are an efficient means of tensioning the pulleys of conveyors and elevators. The units consist of a split cylindrical roller bearing in a swivel cartridge mounted in a cast iron sliding unit.

Designs and variants

Take-up housings are available in two designs:

- push type (**fig. 1**)
- tension type (**fig. 2**)

The housings are typically mounted at each end of the shaft with an end cover using a locating bearing on each side (**fig. 3**).

Additional information about end cover designations is on **page 190**.

Housing materials

- grey cast iron (grade EN-GJL-250 in accordance with BS EN 1561), as standard

Alternative materials are available. Please contact SKF for more information.

Fig. 1

Push type take-up housing

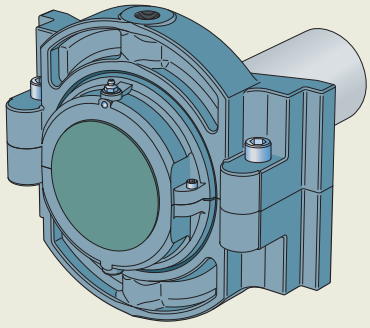


Fig. 2

Tension type take-up housing

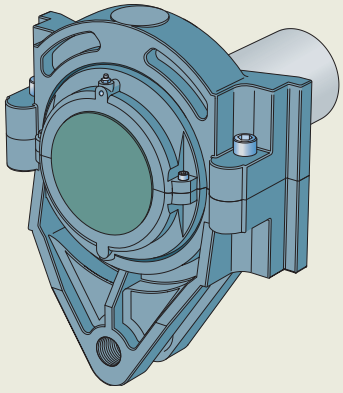
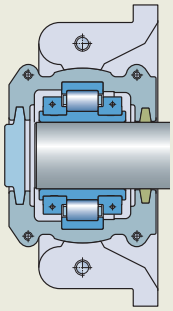


Fig. 3

Shaft end design

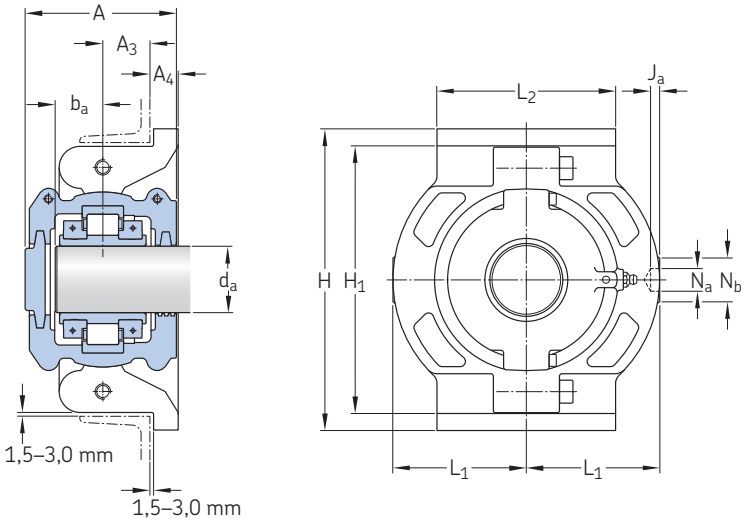


$d_a \leq 90$ mm or $3\,1/2$ in.

7.1 Push type take-up housings for split cylindrical roller bearings

d_a **35 – 60** mm

1 3/16 – 2 7/16 *in.*

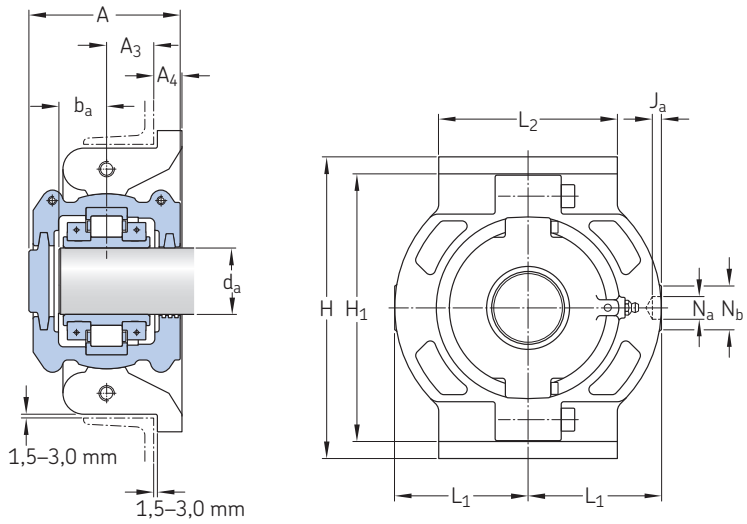


Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	b_a	H	H_1	L_1	L_2	N_a	N_b	J_a	Mass Housing
mm/*in.*	–				mm											kg
1 3/16	**TP01**	**01EB103GR**	**–**	**01C1GR**	86	29	14	27	172	153	76	102	13	25	5	6
1 1/4	**TP01**	**01EB104GR**	**–**	**01C1GR**	86	29	14	27	172	153	76	102	13	25	5	6
35	**TP01**	**01EB35MGR**	**–**	**01C1GR**	86	29	14	27	172	153	76	102	13	25	5	6
1 7/16	**TP01**	**01EB107GR**	**–**	**01C1GR**	86	29	14	27	172	153	76	102	13	25	5	6
1 1/2	**TP01**	**01EB108GR**	**01C108GR**	**01C1GR**	86	29	14	27	172	153	76	102	13	25	5	6
40	**TP01**	**01EB40MGR**	**01C40MGR**	**01C1GR**	86	29	14	27	172	153	76	102	13	25	5	6
1 11/16	**TP02**	**01EB111GR**	**01C111GR**	**01C2GR**	98	29	16	29	204	178	88	114	13	29	5	9
1 3/4	**TP02**	**01EB112GR**	**01C112GR**	**01C2GR**	98	29	16	29	204	178	88	114	13	29	5	9
45	**TP02**	**01EB45MGR**	**01C45MGR**	**01C2GR**	98	29	16	29	204	178	88	114	13	29	5	9
1 15/16	**TP02**	**01EB115GR**	**01C115GR**	**01C2GR**	98	29	16	29	204	178	88	114	13	29	5	9
	TP03	**02EB115GR**	**02C115GR**	**02C3GR**	114	32	20	35	235	203	102	128	16	38	6	12
50	**TP02**	**01EB50MGR**	**01C50MGR**	**01C2GR**	98	29	16	29	204	178	88	114	13	29	5	9
	TP03	**02EB50MGR**	**02C50MGR**	**02C3GR**	114	32	20	35	235	203	102	128	16	38	6	12
2	**TP02**	**01EB200GR**	**01C200GR**	**01C2GR**	98	29	16	29	204	178	88	114	13	29	5	9
	TP03	**02EB200GR**	**02C200GR**	**02C3GR**	114	32	20	35	235	203	102	128	16	38	6	12
55	**TP03**	**01EB55MGR**	**01C55MGR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
2 3/16	**TP03**	**01EB203GR**	**01C203GR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**02EB203GR**	**02C203GR**	**02C4GR**	126	40	22	38	266	229	114	152	16	41	6	17
2 1/4	**TP03**	**01EB204GR**	**01C204GR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**02EB204GR**	**02C204GR**	**02C4GR**	126	40	22	38	266	229	114	152	16	41	6	17
60	**TP03**	**01EB60MGR**	**01C60MGR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**02EB60MGR**	**02C60MGR**	**02C4GR**	126	40	22	38	266	229	114	152	16	41	6	17
2 7/16	**TP03**	**01EB207GR**	**01C207GR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**02EB207GR**	**02C207GR**	**02C4GR**	126	40	22	38	266	229	114	152	16	41	6	17

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

7.1 Push type take-up housings for split cylindrical roller bearings

d_a **65 – 125** mm
2 1/2 – 5 *in.*



$d_a \leq 90$ mm or 3 1/2 in.

Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	b_a	H	H_1	L_1	L_2	N_a	N_b	J_a	Mass Housing
mm/*in.*	–				mm											kg
2 1/2	**TP03**	**01EB208GR**	**01C208GR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**02EB208GR**	**02C208GR**	**02C4GR**	126	40	22	38	266	229	114	152	16	41	6	17
65	**TP03**	**01EB65MGR**	**01C65MGR**	**01C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**02EB65MGR**	**02C65MGR**	**02C4GR**	126	40	22	38	266	229	114	152	16	41	6	17
2 11/16	**TP04**	**01EB211GR**	**01C211GR**	**01C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**02EB211GR**	**02C211GR**	**02C5GR**	140	40	22	41	318	280	140	190	16	51	6	27
2 3/4	**TP03**	**100B212GR**	**100C212GR**	**100C3GR**												
	TP04	**01EB212GR**	**01C212GR**	**01C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**02EB212GR**	**02C212GR**	**02C5GR**	140	40	22	41	318	280	140	190	16	51	6	27
70	**TP03**	**100B70MGR**	**100C70MGR**	**100C3GR**												
	TP04	**01EB70MGR**	**01C70MGR**	**01C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**02EB70MGR**	**02C70MGR**	**02C5GR**	140	40	22	41	318	280	140	190	16	51	6	27
2 15/16	**TP03**	**100B215GR**	**100C215GR**	**100C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**01EB215GR**	**01C215GR**	**01C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**02EB215GR**	**02C215GR**	**02C5GR**	140	40	22	41	318	280	140	190	16	51	6	27
75	**TP03**	**100B75MGR**	**100C75MGR**	**100C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**01EB75MGR**	**01C75MGR**	**01C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**02EB75MGR**	**02C75MGR**	**02C5GR**	140	40	22	41	318	280	140	190	16	51	6	27
3	**TP03**	**100B300GR**	**100C300GR**	**100C3GR**	104	32	20	30	235	203	102	128	16	38	6	13
	TP04	**01EB300GR**	**01C300GR**	**01C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**02EB300GR**	**02C300GR**	**02C5GR**	140	40	22	41	318	280	140	190	16	51	6	27
80	**TP05**	**01EB80MGR**	**01C80MGR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB80MGR**	**02C80MGR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31
3 3/16	**TP05**	**01EB303GR**	**01C303GR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB303GR**	**02C303GR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31
3 1/4	**TP05**	**01EB304GR**	**01C304GR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB304GR**	**02C304GR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31
85	**TP04**	**100B85MGR**	**100C85MGR**	**100C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**01EB85MGR**	**01C85MGR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB85MGR**	**02C85MGR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

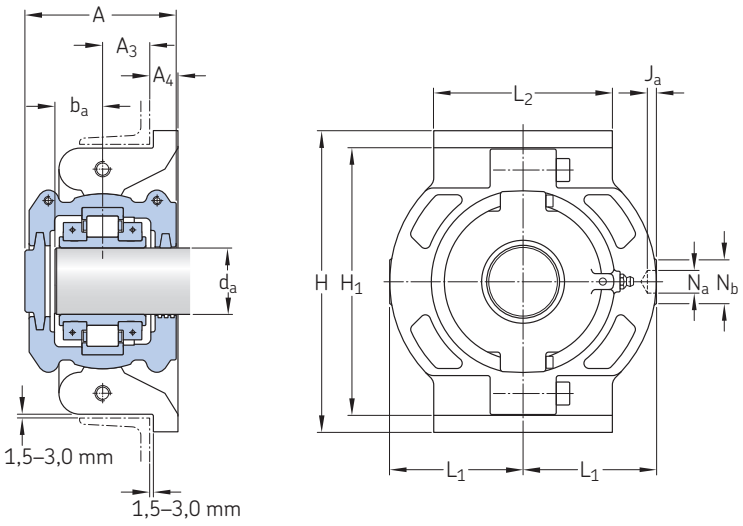
Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	b_a	H	H_1	L_1	L_2	N_a	N_b	J_a	Mass Housing
mm/*in.*	–				mm											kg
3 7/16	**TP04**	**100B307GR**	**100C307GR**	**100C4GR**	114	40	22	35	266	229	114	152	16	41	6	17
	TP05	**01EB307GR**	**01C307GR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB307GR**	**02C307GR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31
3 1/2	**TP05**	**01EB308GR**	**01C308GR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB308GR**	**02C308GR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31
90	**TP05**	**01EB90MGR**	**01C90MGR**	**01C5GR**	136	40	22	40	318	280	140	190	16	51	6	27
	TP06	**02EB90MGR**	**02C90MGR**	**02C6GR**	154	43	22	48	342	305	152	204	19	51	6	31
3 11/16	**TP06**	**01EB311GR**	**01C311GR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
	TP07	**02EB311GR**	**02C311GR**	**02C7GR**	146	48	22	–	382	343	162	216	19	70	6	46
95	**TP06**	**01EB95MGR**	**01C95MGR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
3 3/4	**TP06**	**01EB312GR**	**01C312GR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
	TP07	**02EB312GR**	**02C312GR**	**02C7GR**	146	48	22	–	382	343	162	216	19	70	6	46
100	**TP05**	**100B100MGR**	**100C100MGR**	**100C5GR**	136	40	22	–	318	280	140	190	16	51	6	26
	TP06	**01EB100MGR**	**01C100MGR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
	TP07	**02EB100MGR**	**02C100MGR**	**02C7GR**	146	48	22	–	382	343	162	216	19	70	6	46
3 15/16	**TP05**	**100B315GR**	**100C315GR**	**100C5GR**	136	40	22	–	318	280	140	190	16	51	6	26
	TP06	**01EB315GR**	**01C315GR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
	TP07	**02EB315GR**	**02C315GR**	**02C7GR**	146	48	22	–	382	343	162	216	19	70	6	46
4	**TP05**	**100B400GR**	**100C400GR**	**100C5GR**	136	40	22	–	318	280	140	190	16	51	6	26
	TP06	**01EB400GR**	**01C400GR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
	TP07	**02EB400GE**	**02C400GR**	**02C7GR**	146	48	22	–	382	343	162	216	19	70	6	46
105	**TP06**	**01EB105MGR**	**01C105MGR**	**01C6GR**	134	43	22	–	342	305	152	204	19	51	6	31
	TP07	**02EB105MGR**	**02C105MGR**	**02C7GR**	146	48	22	–	382	343	162	216	19	70	6	46
4 3/16	**TP07**	**01EB403GR**	**01C403GR**	**01C7GR**	142	48	22	–	382	343	162	216	19	70	6	46
	TP08	**02EB403GR**	**02C403GR**	**02C8GR**	162	51	25	–	420	381	190	254	19	76	6	65
110	**TP06**	**100B110MGR**	**100C110MGR**	**100C6GR**	134	43	22	–	342	305	152	204	19	51	6	29
	TP07	**01EB110MGR**	**01C110MGR**	**01C7GR**	142	48	22	–	382	343	162	216	19	70	6	46
	TP08	**02EB110MGR**	**02C110MGR**	**02C8GR**	162	51	25	–	420	381	190	254	19	76	6	65
4 7/16	**TP06**	**100B407GR**	**100C407GR**	**100C6GR**	134	43	22	–	342	305	152	204	19	51	6	29
	TP07	**01EB407GR**	**01C407GR**	**01C7GR**	142	48	22	–	382	343	162	216	19	70	6	46
	TP08	**02EB407GR**	**02C407GR**	**02C8GR**	162	51	25	–	420	381	190	254	19	76	6	65
4 1/2	**TP06**	**100B408GR**	**100C408GR**	**100C6GR**	134	43	22	–	342	305	152	204	19	51	6	29
	TP07	**01EB408GR**	**01C408GR**	**01C7GR**	142	48	22	–	382	343	162	216	19	70	6	46
	TP08	**02EB408GR**	**02C408GR**	**02C8GR**	162	51	25	–	420	381	190	254	19	76	6	65
115	**TP06**	**100B115MGR**	**100C115MGR**	**100C6GR**	134	43	22	–	342	305	152	204	19	51	6	29
	TP07	**01EB115MGR**	**01C115MGR**	**01C7GR**	142	48	22	–	382	343	162	216	19	70	6	46
	TP08	**02EB115MGR**	**02C115MGR**	**02C8GR**	162	51	25	–	420	381	190	254	19	76	6	65
120	**TP07**	**100B120MGR**	**100C120MGR**	**100C7GR**	142	48	22	–	382	343	162	216	19	70	6	42
	TP08	**01EB120MGR**	**01C120MGR**	**01C8GR**	156	51	25	–	420	381	190	254	19	76	6	65
	TP10	**02EB120MGR**	**02C120MGR**	**02C10GR**	184	57	25	–	464	426	204	266	23	86	8	91
125	**TP07**	**100B125MGR**	**100C125MGR**	**100C7GR**	142	48	22	–	382	343	162	216	19	70	6	42
	TP08	**01EB125MGR**	**01C125MGR**	**01C8GR**	156	51	25	–	420	381	190	254	19	76	6	65
	TP10	**02EB125MGR**	**02C125MGR**	**02C10GR**	184	57	25	–	464	426	204	266	23	86	8	91
4 15/16	**TP07**	**100B415GR**	**100C415GR**	**100C7GR**	142	48	22	–	382	343	162	216	19	70	6	42
	TP08	**01EB415GR**	**01C415GR**	**01C8GR**	156	51	25	–	420	381	190	254	19	76	6	65
	TP10	**02EB415GR**	**02C415GR**	**02C10GR**	184	57	25	–	464	426	204	266	23	86	8	91
5	**TP07**	**100B500GR**	**100C500GR**	**100C7GR**	142	48	22	–	382	343	162	216	19	70	6	42
	TP08	**01EB500GR**	**01C500GR**	**01C8GR**	156	51	25	–	420	381	190	254	19	76	6	65
	TP10	**02EB500GR**	**02C500GR**	**02C10GR**	184	57	25	–	464	426	204	266	23	86	8	91

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

7.1 Push type take-up housings for split cylindrical roller bearings

d_a **130 – 160** mm

5 3/16 – 6 *in.*



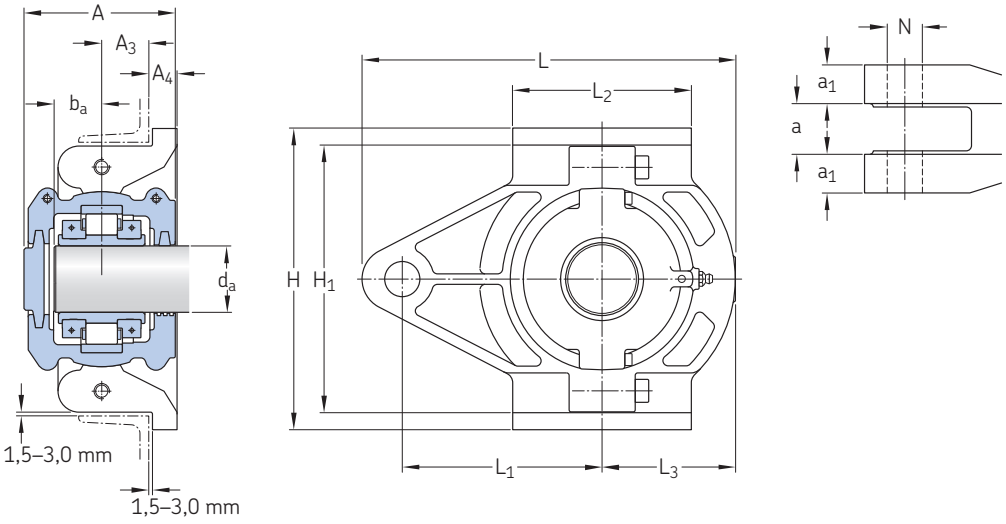
Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	H	H_1	L_1	L_2	N_a	N_b	J_a	Mass Housing
mm/*in.*	–				mm										kg
130	**TP07**	**100B130MGR**	**100C130MGR**	**100C7GR**	142	48	22	382	343	162	216	19	70	6	42
	TP08	**01EB130MGR**	**01C130MGR**	**01C8GR**	156	51	25	420	381	190	254	19	76	6	65
	TP10	**02EB130MGR**	**02C130MGR**	**02C10GR**	184	57	25	464	426	204	266	23	86	8	91
5 3/16	**TP09**	**01EB503GR**	**01C503GR**	**01C9GR**	168	54	25	438	400	196	266	23	76	8	80
	TP30	**02EB503GR**	**02C503GR**	**02C30GR**	188	60	25	502	464	222	280	23	92	8	113
135	**TP09**	**01EB135MGR**	**01C135MGR**	**01C9GR**	168	54	25	438	400	196	266	23	76	8	80
5 7/16	**TP08**	**100B507GR**	**100C507GR**	**100C8GR**	156	51	25	420	381	190	254	19	76	6	60
	TP09	**01EB507GR**	**01C507GR**	**01C9GR**	168	54	25	438	400	196	266	23	76	8	80
	TP30	**02EB507GR**	**02C507GR**	**02C30GR**	188	60	25	502	464	222	280	23	92	8	113
5 1/2	**TP08**	**100B508GR**	**100C508GR**	**100C8GR**	156	51	25	420	381	190	254	19	76	6	60
	TP09	**01EB508GR**	**01C508GR**	**01C9GR**	168	54	25	438	400	196	266	23	76	8	80
	TP30	**02EB508GR**	**02C508GR**	**02C30GR**	188	60	25	502	464	222	280	23	92	8	113
140	**TP08**	**100B140MGR**	**100C140MGR**	**100C8GR**	156	51	25	420	381	190	254	19	76	6	60
	TP09	**01EB140MGR**	**01C140MGR**	**01C9GR**	168	54	25	438	400	196	266	23	76	8	80
	TP30	**02EB140MGR**	**02C140MGR**	**02C30GR**	188	60	25	502	464	222	280	23	92	8	113
145	**TP30**	**02EB145MGR**	**02C145MGR**	**02C30GR**	188	60	25	502	464	222	280	23	92	8	113
150	**TP09**	**100B150MGR**	**100C150MGR**	**100C9GR**	168	54	25	438	400	196	266	23	76	8	73
	TP10	**01EB150MGR**	**01C150MGR**	**01C10GR**	174	57	25	464	426	204	266	23	86	8	91
	TP31	**02EB150MGR**	**02C150MGR**	**02C31GR**	204	64	25	528	489	235	305	26	92	10	136
5 15/16	**TP09**	**100B515GR**	**100C515GR**	**100C9GR**	168	54	25	438	400	196	266	23	76	8	73
	TP10	**01EB515GR**	**01C515GR**	**01C10GR**	174	57	25	464	426	204	266	23	86	8	91
	TP31	**02EB515GR**	**02C515GR**	**02C31GR**	204	64	25	528	489	235	305	26	92	10	136
6	**TP09**	**100B600GR**	**100C600GR**	**100C9GR**	168	54	25	438	400	196	266	23	76	8	73
	TP10	**01EB600GR**	**01C600GR**	**01C10GR**	174	57	25	464	426	204	266	23	86	8	91
	TP31	**02EB600GR**	**02C600GR**	**02C31GR**	204	64	25	528	489	235	305	26	92	10	136
155	**TP31**	**02EB155MGR**	**02C155MGR**	**02C31GR**	204	64	25	528	489	235	305	26	92	10	136
160	**TP10**	**01EB160MGR10**	**01C160MGR10**	**01C10GR10**	174	57	25	464	426	204	266	23	86	8	91
	TP31	**02EB160MGR10**	**02C160MGR10**	**02C31GR10**	204	64	25	528	489	235	305	26	92	10	136

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

7.2 Tension type take-up housings for split cylindrical roller bearings

d_a **35 – 60** mm

1 3/16 – 2 7/16 *in.*

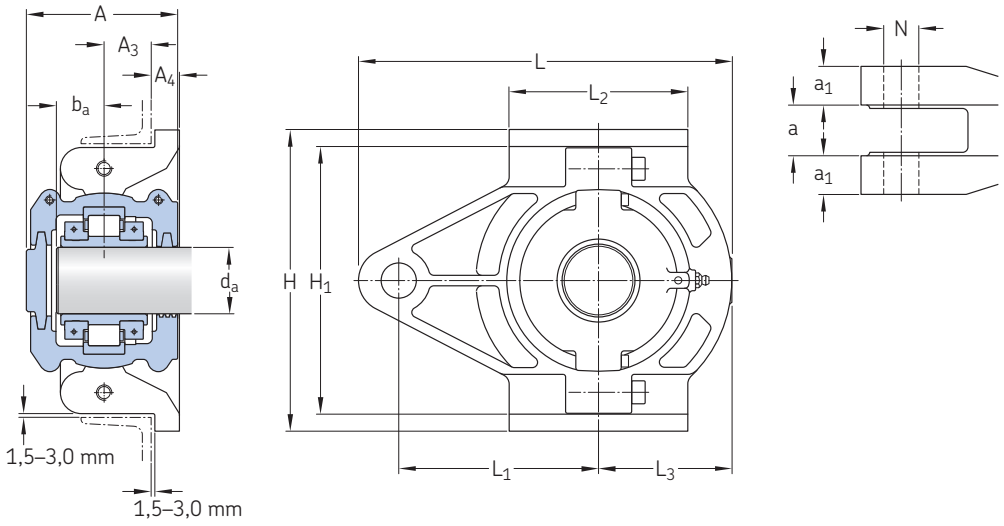


Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	a	a_1	b_a	H	H_1	L	L_1	L_2	L_3	N	Mass Housing
mm/*in.*	–				mm													kg
1 3/16	**TT01**	**01EB103GR**	**–**	**01C1GR**	86	29	14	25	24	27	172	153	216	114	102	76	20	7
1 1/4	**TT01**	**01EB104GR**	**–**	**01C1GR**	86	29	14	25	24	27	172	153	216	114	102	76	20	7
35	**TT01**	**01EB35MGR**	**–**	**01C1GR**	86	29	14	25	24	27	172	153	216	114	102	76	20	7
1 7/16	**TT01**	**01EB107GR**	**–**	**01C1GR**	86	29	14	25	24	27	172	153	216	114	102	76	20	7
1 1/2	**TT01**	**01EB108GR**	**01C108GR**	**01C1GR**	86	29	14	25	24	27	172	153	216	114	102	76	20	7
40	**TT01**	**01EB40MGR**	**01C40MGR**	**01C1GR**	86	29	14	25	24	27	172	153	216	114	102	76	20	7
1 11/16	**TT02**	**01EB111GR**	**01C111GR**	**01C2GR**	98	29	16	25	25	29	204	178	242	128	114	88	24	10
1 3/4	**TT02**	**01EB112GR**	**01C112GR**	**01C2GR**	98	29	16	25	25	29	204	178	242	128	114	88	24	10
45	**TT02**	**01EB45MGR**	**01C45MGR**	**01C2GR**	98	29	16	25	25	29	204	178	242	128	114	88	24	10
1 15/16	**TT02**	**01EB115GR**	**01C115GR**	**01C2GR**	98	29	16	25	25	29	204	178	242	128	114	88	24	10
	TT03	**02EB115GR**	**02C115GR**	**02C3GR**	114	32	20	30	29	35	235	203	280	146	128	102	24	13
50	**TT02**	**01EB50MGR**	**01C50MGR**	**01C2GR**	98	29	16	25	25	29	204	178	242	128	114	88	24	10
	TT03	**02EB50MGR**	**02C50MGR**	**02C3GR**	114	32	20	30	29	35	235	203	280	146	128	102	24	13
2	**TT02**	**01EB200GR**	**01C200GR**	**01C2GR**	98	29	16	25	25	29	204	178	242	128	114	88	24	10
	TT03	**02EB200GR**	**02C200GR**	**02C3GR**	114	32	20	30	29	35	235	203	280	146	128	102	24	13
55	**TT03**	**01EB55MGR**	**01C55MGR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
2 3/16	**TT03**	**01EB203GR**	**01C203GR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**02EB203GR**	**02C03GR**	**02C4GR**	126	40	22	30	32	38	266	229	305	158	152	114	24	19
2 1/4	**TT03**	**01EB204GR**	**01C204GR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**02EB204GR**	**02C204GR**	**02C4GR**	126	40	22	30	32	38	266	229	305	158	152	114	24	19
60	**TT03**	**01EB60MGR**	**01C60MGR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**02EB60MGR**	**02C60MGR**	**02C4GR**	126	40	22	30	32	38	266	229	305	158	152	114	24	19
2 7/16	**TT03**	**01EB207GR**	**01C207GR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**02EB207GR**	**02C207GR**	**02CC4GR**	126	40	22	30	32	38	266	229	305	158	152	114	24	19

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

7.2 Tension type take-up housings for split cylindrical roller bearings

d_a **65 – 125** mm
2 1/2 – 5 *in.*



$d_a \leq 90$ mm or 3 1/2 in.

Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	a	a_1	b_a	H	H_1	L	L_1	L_2	L_3	N	Mass Housing
mm/*in.*	–				mm													kg
2 1/2	**TT03**	**01EB208GR**	**01C208GR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**02EB208GR**	**02C208GR**	**02C4GR**	126	49	22	30	32	38	266	229	305	158	152	114	24	19
65	**TT03**	**01EB65MGR**	**01C65MGR**	**01C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**02EB65MGR**	**02C65MGR**	**02C4GR**	126	49	22	30	32	38	266	229	305	158	152	114	24	19
2 11/16	**TT04**	**01EB211GR**	**01C211GR**	**01C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**02EB211GR**	**02C211GR**	**02C5GR**	140	40	22	38	35	41	318	280	368	190	190	140	30	30
2 3/4	**TT03**	**100B212GR**	**100C212GR**	**100C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**01EB212GR**	**01C212GR**	**01C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**02EB212GR**	**02C212GR**	**02C5GR**	140	40	22	38	35	41	318	280	368	190	190	140	30	30
70	**TT03**	**100B70MGR**	**100C70MGR**	**100C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**01EB70MGR**	**01C70MGR**	**01C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**02EB70MGR**	**02C70MGR**	**02C5GR**	140	40	22	38	35	41	318	280	368	190	190	140	30	30
2 15/16	**TT03**	**100B215GR**	**100C215GR**	**100C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**01EB215GR**	**01C215GR**	**01C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**02EB215GR**	**02C215GR**	**02C5GR**	140	40	22	38	35	41	318	280	368	190	190	140	30	30
75	**TT03**	**100B75MGR**	**100C75MGR**	**100C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**01EB75MGR**	**01C75MGR**	**01C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**02EB75MGR**	**02C75MGR**	**02C5GR**	140	40	22	38	35	41	318	280	368	190	190	140	30	30
3	**TT03**	**100B300GR**	**100C300GR**	**100C3GR**	104	32	20	30	29	30	235	203	280	146	128	102	24	13
	TT04	**01EB300GR**	**01C300GR**	**01C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**02EB300GR**	**02C300GR**	**02C5GR**	140	40	22	38	35	41	318	280	368	190	190	140	30	30
80	**TT05**	**01EB80MGR**	**01C80MGR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB80MGR**	**02C80MGR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34
3 3/16	**TT05**	**01EB303GR**	**01C303GR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB303GR**	**02C303GR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34
3 1/4	**TT05**	**01EB304GR**	**01C304GR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB340GR**	**02C304GR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34
85	**TT04**	**100B85MGR**	**100C85MGR**	**100C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**01EB85MGR**	**01C85MGR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB85MGR**	**02C85MGR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

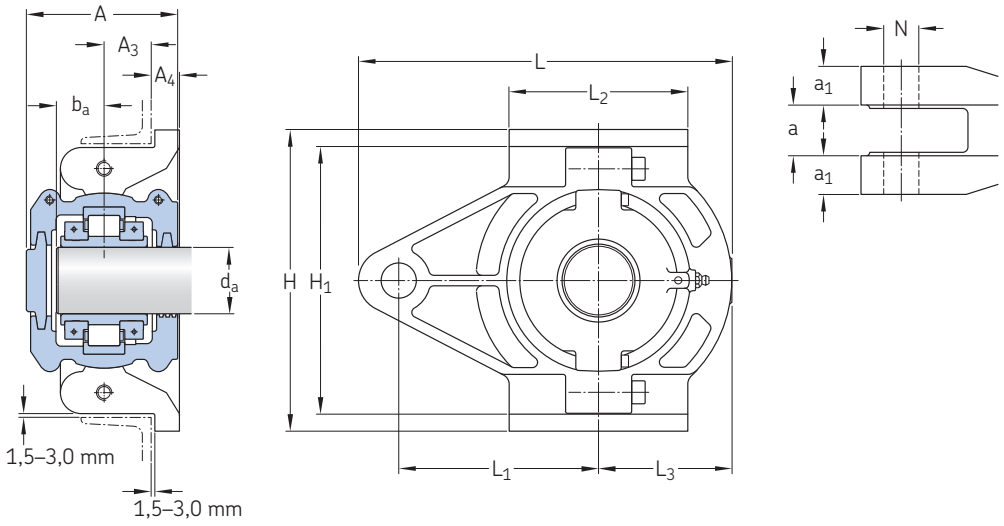
Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	a	a_1	b_a	H	H_1	L	L_1	L_2	L_3	N	Mass Housing
mm/*in.*	–				mm													kg
3 7/16	**TT04**	**100B307GR**	**100C307GR**	**100C4GR**	114	40	22	30	32	35	266	229	305	158	152	114	24	19
	TT05	**01EB307GR**	**01C307GR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB307GR**	**02C307GR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34
3 1/2	**TT05**	**01EB308GR**	**01C308GR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB308GR**	**02C308GR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34
90	**TT05**	**01EB90MGR**	**01C90MGR**	**01C5GR**	136	40	22	38	35	40	318	280	368	190	190	140	30	30
	TT06	**02EB90MGR**	**02C90MGR**	**02C6GR**	154	43	22	44	35	48	342	305	414	210	204	152	36	34
3 11/16	**TT06**	**01EB311GR**	**01C311GR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
	TT07	**02EB311GR**	**02C311GR**	**02C7GR**	146	48	22	44	41	–	382	343	445	228	216	162	42	51
95	**TT06**	**01EB95MGR**	**01C95MGR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
3 3/4	**TT06**	**01EB312GR**	**01C312GR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
	TT07	**02EB312GR**	**02C312GR**	**02C7GR**	146	48	22	44	41	–	382	343	445	228	216	162	42	51
100	**TT05**	**100B100MGR**	**100C100MGR**	**100C5GR**	136	40	22	38	35	–	318	280	368	190	190	140	30	29
	TT06	**01EB100MGR**	**01C100MGR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
	TT07	**02EB100MGR**	**02C100MGR**	**02C7GR**	146	48	22	44	41	–	382	343	445	228	216	162	42	51
3 15/16	**TT05**	**100B315GR**	**100C315GR**	**100C5GR**	136	40	22	38	35	–	318	280	368	190	190	140	30	29
	TT06	**01EB315GR**	**01C315GR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
	TT07	**02EB315GR**	**02C315GR**	**02C7GR**	146	48	22	44	41	–	382	343	445	228	216	162	42	51
4	**TT05**	**100B400GR**	**100C400GR**	**100C5GR**	136	40	22	38	35	–	318	280	368	190	190	140	30	29
	TT06	**01EB400GR**	**01C400GR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
	TT07	**02EB400GR**	**02C400GR**	**02C7GR**	146	48	22	44	41	–	382	343	445	228	216	162	42	51
105	**TT06**	**01EB105MGR**	**01C105MGR**	**01C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	34
	TT07	**02EB105MGR**	**02C105MGR**	**02C7GR**	146	48	22	44	41	–	382	343	445	228	216	162	42	51
4 3/16	**TT07**	**01EB403GR**	**01C403GR**	**01C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	51
	TT08	**02EB403GR**	**02C403GR**	**02C8GR**	162	51	25	44	44	–	420	381	508	260	254	190	42	71
110	**TT06**	**100B110MGR**	**100C110MGR**	**100C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	33
	TT07	**01EB110MGR**	**01C110MGR**	**01C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	51
	TT08	**02EB110MGR**	**02C110MGR**	**02C8GR**	162	51	25	44	44	–	420	381	508	260	254	190	42	71
4 7/16	**TT06**	**100B407GR**	**100C407GR**	**100C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	33
	TT07	**01EB407GR**	**01C407GR**	**01C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	51
	TT08	**02EB407GR**	**02C407GR**	**02C8GR**	162	51	25	44	44	–	420	381	508	260	254	190	42	71
4 1/2	**TT06**	**100B408GR**	**100C408GR**	**100C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	33
	TT07	**01EB408GR**	**01C408GR**	**01C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	51
	TT08	**02EB408GR**	**02C408GR**	**02C8GR**	162	51	25	44	44	–	420	381	508	260	254	190	42	71
115	**TT06**	**100B115MGR**	**100C115MGR**	**100C6GR**	134	43	22	44	35	–	342	305	414	210	204	152	36	33
	TT07	**01EB115MGR**	**01C115MGR**	**01C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	51
	TT08	**02EB115MGR**	**02C115MGR**	**02C8GR**	162	51	25	44	44	–	420	381	508	260	254	190	42	71
120	**TT07**	**100B120MGR**	**100C120MGR**	**100C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	47
	TT08	**01EB120MGR**	**01C120MGR**	**01C8GR**	156	51	25	44	44	–	420	381	508	260	254	190	42	71
	TT10	**02EB120MGR**	**02C120MGR**	**02C10GR**	184	57	25	50	51	–	464	426	546	280	266	204	48	100
125	**TT07**	**100B125MGR**	**100C125MGR**	**100C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	47
	TT08	**01EB125MGR**	**01C125MGR**	**01C8GR**	156	51	25	44	44	–	420	381	508	260	254	190	42	71
	TT10	**02EB125MGR**	**02C125MGR**	**02C10GR**	184	57	25	50	51	–	464	426	546	280	266	204	48	100
4 15/16	**TT07**	**100B415GR**	**100C415GR**	**100C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	47
	TT08	**01EB415GR**	**01C415GR**	**01C8GR**	156	51	25	44	44	–	420	381	508	260	254	190	42	71
	TT10	**02EB415GR**	**02C415GR**	**02C10GR**	184	57	25	50	51	–	464	426	546	280	266	204	48	100
5	**TT07**	**100B500GR**	**100C500GR**	**100C7GR**	142	48	22	44	41	–	382	343	445	228	216	162	42	47
	TT08	**01EB500GR**	**01C500GR**	**01C8GR**	156	51	25	44	44	–	420	381	508	260	254	190	42	71
	TT10	**02EB500GR**	**02C500GR**	**02C10GR**	184	57	25	50	51	–	464	426	546	280	266	204	48	100

[1] The designation suffix GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

7.2 Tension type take-up housings for split cylindrical roller bearings

d_a **130 – 160** mm

5 3/16 – 6 *in.*



Shaft diameter d_a	Designations[1] Housing	Bearing	Cartridge with felt seals	Cartridge for labyrinth seals	Dimensions A	A_3	A_4	a	a_1	H	H_1	L	L_1	L_2	L_3	N	Mass Housing
mm/*in.*	–				mm												kg
130	**TT07**	**100B130MGR**	**100C130MGR**	**100C7GR**	142	48	22	44	41	382	343	445	228	216	162	42	47
	TT08	**01EB130MGR**	**01C130MGR**	**01C8GR**	156	51	25	44	44	420	381	508	260	254	190	42	71
	TT10	**02EB130MGR**	**02C130MGR**	**02C10GR**	184	57	25	50	51	464	426	546	280	266	204	48	100
5 3/16	**TT09**	**01EB503GR**	**01C503GR**	**01C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	89
	TT30	**02EB503GR**	**02C503GR**	**02C30GR**	188	60	25	50	54	502	464	584	298	280	222	48	119
135	**TT09**	**01EB135MGR**	**01C135MGR**	**01C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	89
5 7/16	**TT08**	**100B507GR**	**100C507GR**	**100C8GR**	156	51	25	44	44	420	381	508	260	254	190	42	67
	TT09	**01EB507GR**	**01C507GR**	**01C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	89
	TT30	**02EB507GR**	**02C507GR**	**02C30GR**	188	60	25	50	54	502	464	584	298	280	222	48	119
5 1/2	**TT08**	**100B508GR**	**100C508GR**	**100C8GR**	156	51	25	44	44	420	381	508	260	254	190	42	67
	TT09	**01EB508GR**	**01C508GR**	**01C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	89
	TT30	**02EB508GR**	**02C508GR**	**02C30GR**	188	60	25	50	54	502	464	584	298	280	222	48	119
140	**TT08**	**100B140MGR**	**100C140MGR**	**100C8GR**	156	51	25	44	44	420	381	508	260	254	190	42	67
	TT09	**01EB140MGR**	**01C140MGR**	**01C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	89
	TT30	**02EB140MGR**	**02C140MGR**	**02C30GR**	188	60	25	50	54	502	464	584	298	280	222	48	119
145	**TT30**	**02EB145MGR**	**02C145MGR**	**02C30GR**	188	60	25	50	54	502	464	584	298	280	222	48	119
150	**TT09**	**100B150MGR**	**100C150MGR**	**100C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	82
	TT10	**01EB150MGR**	**01C150MGR**	**01C10GR**	174	57	25	50	51	464	426	546	280	266	204	48	100
	TT31	**02EB150MGR**	**02C150MGR**	**02C31GR**	204	64	25	50	57	528	489	616	312	305	235	48	141
5 15/16	**TT09**	**100B515GR**	**100C515GR**	**100C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	82
	TT10	**01EB515GR**	**01C515GR**	**01C10GR**	174	57	25	50	51	464	426	546	280	266	204	48	100
	TT31	**02EB515GR**	**02C515GR**	**02C31GR**	204	64	25	50	57	528	489	616	312	305	235	48	141
6	**TT09**	**100B600GR**	**100C600GR**	**100C9GR**	168	54	25	44	48	438	400	514	266	266	196	42	82
	TT10	**01EB600GR**	**01C600GR**	**01C10GR**	174	57	25	50	51	464	426	546	280	266	204	48	100
	TT31	**02EB600GR**	**02C600GR**	**02C31GR**	204	64	25	50	57	528	489	616	312	305	235	48	141
155	**TT31**	**02EB155MGR**	**02C155MGR**	**02C31GR**	204	64	25	50	57	528	489	616	312	305	235	48	141
160	**TT10**	**01EB160MGR10**	**01C160MGR10**	**01C10GR10**	174	57	25	50	51	464	426	546	280	266	204	48	100
	TT31	**02EB160MGR10**	**02C160MGR10**	**02C31GR10**	204	64	25	50	57	528	489	616	312	305	235	48	141

[1] The designation suffixe GR refers to bearings in the locating position. Other bearing options and alternative seals are available on request. For additional information, refer to *Designations* on **page 186.**

8 Rod ends

Split roller bearings in rod end housings provide a simple way of mounting bearings on cranks. As the complete bearing and housing unit is split radially, the cranks can be made solid rather than being built up or overhung. Typical applications include shaker screens and classifiers.

Designs and variants

Rod end housings have a split outer casing and are available in two designs:

- "T" type (**fig. 1**)
- shoe type (**fig. 2**)

They are suitable for:

- a locating bearing (designation suffix GR) with C2 clearance
- a swivel cartridge that is matched to the housing with an S1 fit to reduce the clearance between the cartridge and rod end

For very low speed applications, bearings with a normal clearance could be used.

Housing materials

- grey cast iron, (grade EN-GJL-250) in accordance with BS EN 1561, as standard
- ductile iron (grade EN-GJS-400/18 in accordance with BS EN 1563), e.g. for impact or pulsating loads, available on request
- steel, e.g. for impact or pulsating loads, available on request

Design considerations

Shaft dimensions

Journals should be machined to an h6 tolerance class. The sides of the journal do not require close tolerance machining as they do not locate the bearing. The bearing is positioned by the inner ring being clamped onto the shaft, and there is clearance between the sides of the journal and the bearing inner ring.

The journal widths and fillet radii listed in the product tables are suggested dimensions to clear standard cartridges. Other combinations of journal width and fillet radius may be used. Special cartridges may be supplied if narrower journals are required.

Fig. 1

"T" type rod end housing

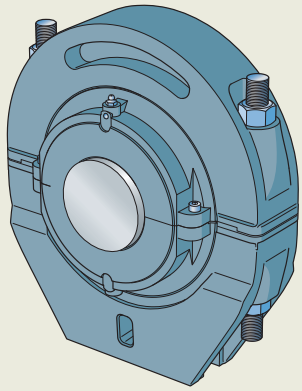
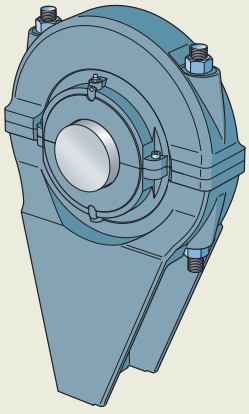


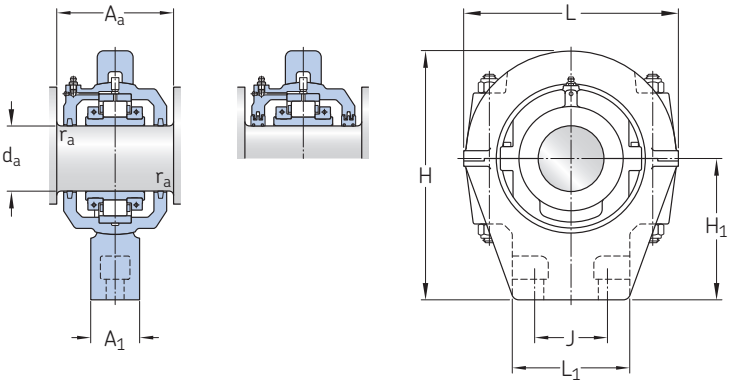
Fig. 2

Shoe type rod end housing



8.1 "T" type rod ends for split cylindrical roller bearings

d_a **35 – 60** mm
1 3/16 – 2 7/16 *in.*



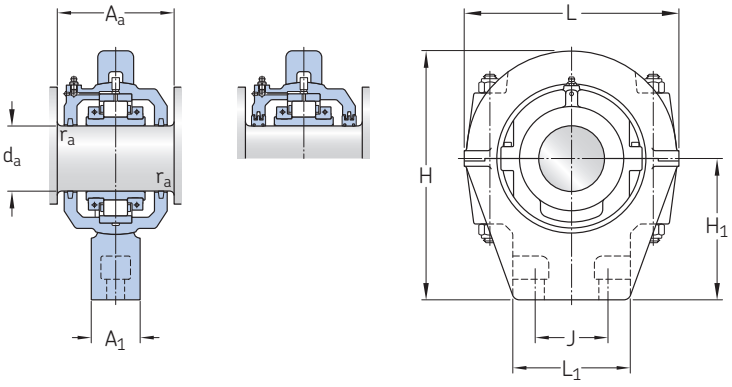
Felt seals Labyrinth seals

Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1	H	H_1	L	L_1	J	Abutment dimensions A_a	r_a	Bolts G	Mass Unit
mm/*in.*	–		mm						mm		–	kg
1 3/16	**01CRET103GRS1**	**01EB103GR02**	30	152	76	140	86	57[3]	92	3	M12	6
1 1/4	**01CRET104GRS1**	**01EB104GR02**	30	152	76	140	86	57[3]	92	3	M12	6
35	**01CRET35MGRS1**	**01EB35MGR02**	30	152	76	140	86	57[3]	92	3	M12	6
1 7/16	**01CRET107GRS1**	**01EB107GR02**	30	152	76	140	86	57[3]	92	3	M12	6
1 1/2	**01CRET108GRS1**	**01EB108GR02**	30	152	76	140	86	57[3]	92	3	M12	6
40	**01CRET40MGRS1**	**01EB40MGR02**	30	152	76	140	86	57[3]	92	3	M12	6
1 11/16	**01CRET111GRS1**	**01EB111GR02**	32	190	102	166	102	70[3]	104	3	M10	8
1 3/4	**01CRET112GRS1**	**01EB112GR02**	32	190	102	166	102	70[3]	104	3	M10	8
45	**01CRET45MGRS1**	**01EB45MGR02**	32	190	102	166	102	70[3]	104	3	M10	8
1 15/16	**01CRET115GRS1**	**01EB115GR02**	32	190	102	166	102	70[3]	104	3	M10	8
	02CRET115GRS1	**02EB115GR02**	38	194	95	197	115	76[3]	123	4,5	M16	9
50	**01CRET50MGRS1**	**01EB50MGR02**	32	190	102	166	102	70[3]	104	3	M10	8
	02CRET50MGRS1	**02EB50MGR02**	38	194	95	197	115	76[3]	123	4,5	M16	9
2	**01CRET200GRS1**	**01EB200GR02**	32	190	102	166	102	70[3]	104	3	M10	8
	02CRET200GRS1	**02EB200GR02**	38	194	95	197	115	76[3]	123	4,5	M16	9
55	**01CRET55MGRS1**	**01EB55MGR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
2 3/16	**01CRET203GRS1**	**01EB203GR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	02CRET203GRS1	**02EB203GR02**	44	220	108	216	128	89[3]	138	6	M16	13
2 1/4	**01CRET204GRS1**	**01EB204GR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	02CRET204GRS1	**02EB204GR02**	44	220	108	216	128	89[3]	138	6	M16	13
60	**01CRET60MGRS1**	**01EB60MGR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	02CRET60MGRS1	**02EB60MGR02**	44	220	108	216	128	89[3]	138	6	M16	13
2 7/16	**01CRET207GRS1**	**01EB207GR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	02CRET207GRS1	**02EB207GR02**	44	220	108	216	128	89[3]	138	6	M16	13

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Holes tapped in end face.

8.1 "T" type rod ends for split cylindrical roller bearings

d_a **65 – 125** mm
2 1/2 – 5 *in.*



Felt seals Labyrinth seals

Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1	H	H_1	L	L_1	J	Abutment dimensions A_a	r_a	Bolts G	Mass Unit
mm/*in.*	–		mm						mm		–	kg
2 1/2	**01CRET208GRS1**	**01EB208GR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	02CRET208GRS1	**02EB208GR02**	44	220	108	216	128	89[3]	138	6	M16	13
65	**01CRET65MGRS1**	**01EB65MGR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	02CRET65MGRS1	**02EB65MGR02**	44	220	108	216	128	89[3]	138	6	M16	13
2 11/16	**01CRET211GRS1**	**01EB211GR02**	44	220	108	216	128	89[3]	126	6	M16	13
	02CRET211GRS1	**02EB211GR02**	48	256	127	248	146	102[3]	152	6	M20	20
2 3/4	**100CRET212GRS1**	**100B212GR02**	38	194	95	197	115	76 [3]	113	4,5	M16	9
	01CRET212GRS1	**01EB212GR02**	44	220	108	216	128	89[3]	126	6	M16	13
	02CRET212GRS1	**02EB212GR02**	48	256	127	248	146	102[3]	152	6	M20	20
70	**100CRET70MGRS1**	**100B70MGR02**	38	194	95	197	115	76 [3]	113	4,5	M16	9
	01CRET70MGRS1	**01EB70MGR02**	44	220	108	216	128	89[3]	126	6	M16	13
	02CRET70MGRS1	**02EB70MGR02**	48	256	127	248	146	102[3]	152	6	M20	20
2 15/16	**100CRET215GRS1**	**100B215GR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	01CRET215GRS1	**01EB215GR02**	44	220	108	216	128	89[3]	126	6	M16	13
	02CRET215GRS1	**02EB215GR02**	48	256	127	248	146	102[3]	152	6	M20	20
75	**100CRET75MGRS1**	**100B75MGR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	01CRET75MGRS1	**01EB75MGR02**	44	220	108	216	128	89[3]	126	6	M16	13
	02CRET75MGRS1	**02EB75MGR02**	48	256	127	248	146	102[3]	152	6	M20	20
3	**100CRET300GRS1**	**100B300GR02**	38	194	95	197	115	76[3]	113	4,5	M16	9
	01CRET300GRS1	**01EB300GR02**	44	220	108	216	128	89[3]	126	6	M16	13
	02CRET300GRS1	**02EB300GR02**	48	256	127	248	146	102[3]	152	6	M20	20
80	**01CRET80MGRS1**	**01EB80MGR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET80MGRS1	**02EB80MGR02**	76	356	200	308	170	124	173	9,5	M24	36
3 3/16	**01CRET303GRS1**	**01EB303GR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET303GRS1	**02EB303GR02**	76	356	200	308	170	124	173	9,5	M24	36
3 1/4	**01CRET304GRS1**	**01EB304GR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET304GRS1	**02EB304GR02**	76	356	200	308	170	124	173	9,5	M24	36
85	**100CRET85MGRS1**	**100B85MGR02**	44	220	108	216	128	89[3]	126	6	M16	13
	01CRET85MGRS1	**01EB85MGR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET85MGRS1	**02EB85MGR02**	76	356	200	308	170	124	173	9,5	M24	36

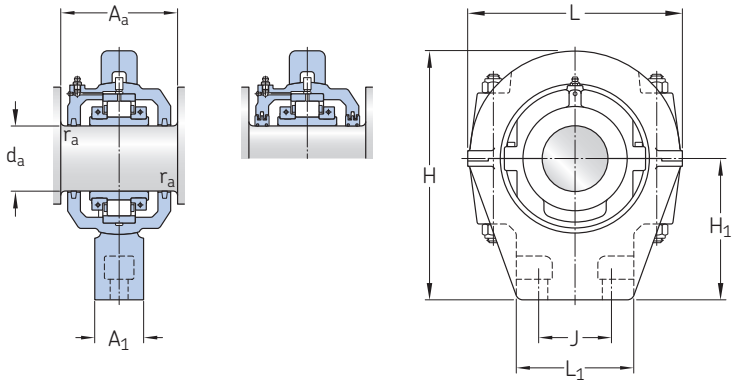
[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Holes tapped in end face.

Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1	H	H_1	L	L_1	J	Abutment dimensions A_a	r_a	Bolts G	Mass Unit
mm/*in.*	–		mm						mm		–	kg
3 7/16	**100CRET307GRS1**	**100B307GR02**	44	220	108	216	128	89[3]	126	6	M16	13
	01CRET307GRS1	**01EB307GR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET307GRS1	**02EB307GR02**	76	356	200	308	170	124	173	9,5	M24	36
3 1/2	**01CRET308GRS1**	**01EB308GR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET308GRS1	**02EB308GR02**	76	356	200	308	170	124	173	9,5	M24	36
90	**01CRET90MGRS1**	**01EB90MGR02**	48	256	127	248	146	102[3]	148	6	M20	20
	02CRET90MGRS1	**02EB90MGR02**	76	356	200	308	170	124	173	9,5	M24	36
3 11/16	**01CRET311GRS1**	**01EB311GR02**	76	356	200	308	170	124	146	6	M24	36
	02CRET311GRS1	**02EB311GR02**	86	390	222	334	190	136	171	12,5	M30	52
95	**01CRET95MGRS1**	**01EB95MGR02**	76	356	200	308	170	124	146	6	M24	36
3 3/4	**01CRET312GRS1**	**01EB312GR02**	76	356	200	308	170	124	146	6	M24	36
	02CRET312GRS1	**02EB312GR02**	86	390	222	334	190	136	171	12,5	M30	52
100	**100CRET100MGRS1**	**100B100MGR02**	48	256	127	248	146	102[3]	148	6	M20	19
	01CRET100MGRS1	**01EB100MGR02**	76	356	200	308	170	124	146	6	M24	36
	02CRET100MGRS1	**02EB100MGR02**	86	390	222	334	190	136	171	12,5	M30	52
3 15/16	**100CRET315GRS1**	**100B315GR02**	48	256	127	248	146	102[3]	148	6	M20	19
	01CRET315GRS1	**01EB315GR02**	76	356	200	308	170	124	146	6	M24	36
	02CRET315GRS1	**02EB315GR02**	86	390	222	334	190	136	171	12,5	M30	52
4	**100CRET400GRS1**	**100B400GR02**	48	256	127	248	146	102[3]	148	6	M20	19
	01CRET400GRS1	**01EB400GR02**	76	356	200	308	170	124[3]	146	6	M24	36
	02CRET400GRS1	**02EB400GR02**	86	390	222	334	190	136	171	12,5	M30	52
105	**01CRET105MGRS1**	**01EB105MGR02**	76	356	200	308	170	124	146	6	M24	36
	02CRET105MGRS1	**02EB105MGR02**	86	390	222	334	190	136	171	12,5	M30	52
4 3/16	**01CRET403GRS1**	**01EB403GR02**	86	390	222	334	190	136	154	6	M30	52
	02CRET403GRS1	**02EB403GR02**	86	425	222	375	190	136	187	12,5	M30	65
110	**100CRET110MGRS1**	**100B110MGR02**	76	356	200	308	170	124	146	6	M24	35
	01CRET110MGRS1	**01EB110MGR02**	86	390	222	334	190	136	154	6	M30	52
	02CRET110MGRS1	**02EB110MGR02**	86	425	222	375	190	136	187	12,5	M30	65
4 7/16	**100CRET407GRS1**	**100B407GR02**	76	356	200	308	170	124	146	6	M24	35
	01CRET407GRS1	**01EB407GR02**	86	390	222	334	190	136	154	6	M30	52
	02CRET407GRS1	**02EB407GR02**	86	425	222	375	190	136	187	12,5	M30	65
4 1/2	**100CRET408GRS1**	**100B408GR02**	76	356	200	308	170	124	146	6	M24	35
	01CRET408GRS1	**01EB408GR02**	86	390	222	334	190	136	154	6	M30	52
	02CRET408GRS1	**02EB408GR02**	86	425	222	375	190	136	187	12,5	M30	65
115	**100CRET115MGRS1**	**100B115MGR02**	76	356	200	308	170	124	146	6	M24	35
	01CRET115MGRS1	**01EB115MGR02**	86	390	222	334	190	136	154	6	M30	52
	02CRET115MGRS1	**02EB115MGR02**	86	425	222	375	190	136	187	12,5	M30	65
120	**100CRET120MGRS1**	**100B120MGR02**	86	390	222	334	190	136	154	6	M30	48
	01CRET120MGRS1	**01EB120MGR02**	86	425	222	375	190	136	168	6	M30	65
	02CRET120MGRS1	**02EB120MGR02**	102	502	279	442	204	140	209	12,5	M30	99
125	**100CRET125MGRS1**	**100B125MGR02**	86	390	222	334	190	136	154	6	M30	48
	01CRET125MGRS1	**01EB125MGR02**	86	425	222	375	190	136	168	6	M30	65
	02CRET125MGRS1	**02EB125MGR02**	102	502	279	442	204	140	209	12,5	M30	99
4 15/16	**100CRET415GRS1**	**100B415GR02**	86	390	222	334	190	136	154	6	M30	48
	01CRET415GRS1	**01EB415GR02**	86	425	222	375	190	136	168	6	M30	65
	02CRET415GRS1	**02EB415GR02**	102	502	279	442	204	140	209	12,5	M30	99
5	**100CRET500GRS1**	**100B500GR02**	86	390	222	334	190	136	154	6	M30	48
	01CRET500GRS1	**01EB500GR02**	86	425	222	375	190	136	168	6	M30	65
	02CRET500GRS1	**02EB500GR02**	102	502	279	442	204	140	209	12,5	M30	99

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Holes tapped in end face.

8.1 "T" type rod ends for split cylindrical roller bearings

d_a **130 – 160** mm
5 3/16 – 6 *in.*



Felt seals Labyrinth seals

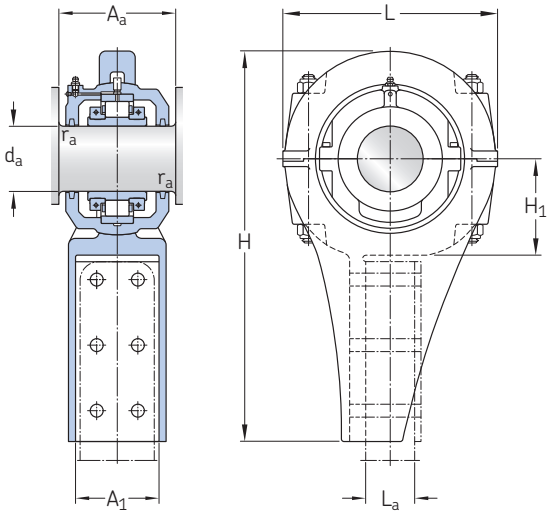
Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1	H	H_1	L	L_1	J	Abutment dimensions A_a	r_a	Bolts G	Mass Unit
mm/*in.*	–		mm						mm		–	kg
130	**100CRET130MGRS1**	**100B130MGR02**	86	390	222	334	190	136	154	6	M30	48
	01CRET130MGRS1	**01EB130MGR02**	86	425	222	375	190	136	168	6	M30	65
	02CRET130MGRS1	**02EB130MGR02**	102	502	279	442	204	140	209	12,5	M30	99
5 3/16	**01CRET503GRS1**	**01EB503GR02**	102	502	279	442	204	140	187	9,5	M30	89
	02CRET503GRS1	**02EB503GR02**	102	558	279	445	204	140	213	12,5	M30	119
135	**01CRET135MGRS1**	**01EB135MGR02**	102	502	279	442	204	140	187	9,5	M30	89
5 7/16	**100CRET507GRS1**	**100B507GR02**	86	425	222	375	190	136	168	6	M30	60
	01CRET507GRS1	**01EB507GR02**	102	502	279	442	204	140	187	9,5	M30	89
	02CRET507GRS1	**02EB507GR02**	102	558	279	445	204	140	213	12,5	M30	119
5 1/2	**100CRET508GRS1**	**100B508GR02**	86	425	222	375	190	136	168	6	M30	60
	01CRET508GRS1	**01EB508GR02**	102	502	279	442	204	140	187	9,5	M30	89
	02CRET508GRS1	**02EB508GR02**	102	558	279	445	204	140	213	12,5	M30	119
140	**100CRET140MGRS1**	**100B140MGR02**	86	425	222	375	190	136	168	6	M30	60
	01CRET140MGRS1	**01EB140MGR02**	102	502	279	442	204	140	187	9,5	M30	89
	02CRET140MGRS1	**02EB140MGR02**	102	558	279	445	204	140	213	12,5	M30	119
145	**02CRET145MGRS1**	**02EB145MGR02**	102	558	279	445	204	140	213	12,5	M30	119
150	**100CRET150MGRS1**	**100B150MGR02**	102	502	279	442	204	140	187	9,5	M30	82
	01CRET150MGRS1	**01EB150MGR02**	102	502	279	442	204	140	193	9,5	M30	99
	02CRET150MGRS1	**02EB150MGR02**	102	558	279	445	204	140	229	12,5	M30	131
5 15/16	**100CRET515GRS1**	**100B515GR02**	102	502	279	442	204	140	187	9,5	M30	82
	01CRET515GRS1	**01EB515GR02**	102	502	279	442	204	140	193	9,5	M30	99
	02CRET515GRS1	**02EB515GR02**	102	558	279	445	204	140	229	12,5	M30	131
6	**100CRET600GRS1**	**100B600GR02**	102	502	279	442	204	140	187	9,5	M30	82
	01CRET600GRS1	**01EB600GR02**	102	502	279	442	204	140	193	9,5	M30	99
	02CRET600GRS1	**02EB600GR02**	102	558	279	445	204	140	229	12,5	M30	131
155	**01CRET155MGRS1**	**01EB155MGR02**	102	502	279	442	204	140	193	9,5	M30	99
	02CRET155MGRS1	**02EB155MGR02**	102	558	279	445	204	140	229	12,5	M30	131
160	[3]	**01EB160MGR20**	102	502	279	442	204	140	193	9,5	M30	99
	[3]	**02EB160MGR20**	102	558	279	445	204	140	229	12,5	M30	131

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] For housing designations, refer to SKF

8.2 Shoe type rod ends for split cylindrical roller bearings

d_a **35 – 60** mm

1 3/16 – 2 1/4 *in.*

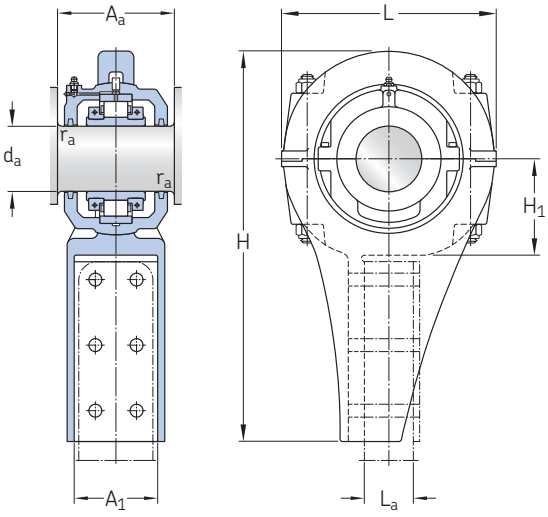


Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1[3]	H	H_1	L	L_a[3]	Abutment dimensions A_a	r_a	Mass Unit
mm/*in.*	–		mm							kg
1 3/16	**01CRES103GRS1**	**01EB103GR02**	62	258	65	160	10	92	3	5
1 1/4	**01CRES104GRS1**	**01EB104GR02**	62	258	65	160	10	92	3	5
35	**01CRES35MGRS1**	**01EB35MGR02**	62	258	65	160	10	92	3	5
1 7/16	**01CRES107GRS1**	**01EB107GR02**	62	258	65	160	10	92	3	5
1 1/2	**01CRES108GRS1**	**01EB108GR02**	62	258	65	160	10	92	3	5
40	**01CRES40MGRS1**	**01EB40MGR02**	62	258	65	160	10	92	3	5
1 11/16	**01CRES111GRS1**	**01EB111GR02**	62	308	70	166	10	104	3	7
1 3/4	**01CRES112GRS1**	**01EB112GR02**	62	308	70	166	10	104	3	7
45	**01CRES45MGRS1**	**01EB45MGR02**	62	308	70	166	10	104	3	7
1 15/16	**01CRES115GRS1**	**01EB115GR02**	62	308	70	166	10	104	3	7
	02CRES115GRS1	**02EB115GR02**	62	330	76	190	32	123	4,5	10
50	**01CRES50MGRS1**	**01EB50MGR02**	62	308	70	166	10	104	3	7
	02CRES50MGRS1	**02EB50MGR02**	62	330	76	190	32	123	4,5	10
2	**01CRES200GRS1**	**01EB200GR02**	62	308	70	166	10	104	3	7
	02CRES200GRS1	**02EB200GR02**	62	330	76	190	32	123	4,5	10
55	**01CRES55MGRS1**	**01EB55MGR02**	62	330	79	190	10	113	4,5	13
2 3/16	**01CRES203GRS1**	**01EB203GR02**	62	330	79	190	10	113	4,5	13
	02CRES203GRS1	**02EB203GR02**	88	432	108	248	50	138	6	20
2 1/4	**01CRES204GRS1**	**01EB204GR02**	62	330	79	190	10	113	4,5	13
	02CRES204GRS1	**02EB204GR02**	88	432	108	248	50	138	6	20
60	**01CRES60MGRS1**	**01EB60MGR02**	62	330	79	190	10	113	4,5	13
	02CRES60MGRS1	**02EB60MGR02**	88	432	108	248	50	138	6	20

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Two to six attachment bolts may be required depending on the application requirements.

8.2 Shoe type rod ends for split cylindrical roller bearings

d_a **65 – 120** mm
2 7/16 – 4 1/2 *in.*



Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1[3]	H	H_1	L	L_a[3]	Abutment dimensions A_a	r_a	Mass Unit
mm/*in.*	–		mm							kg
2 7/16	**01CRES207GRS1**	**01EB207GR02**	62	330	79	190	10	113	4,5	13
	02CRES207GRS1	**02EB207GR02**	88	432	108	248	50	138	6	20
2 1/2	**01CRES208GRS1**	**01EB208GR02**	62	330	79	190	10	113	4,5	13
	02CRES208GRS1	**02EB208GR02**	88	432	108	248	50	138	6	20
65	**01CRES65MGRS1**	**01EB65MGR02**	62	330	79	190	10	113	4,5	13
	02CRES65MGRS1	**02EB65MGR02**	88	432	108	248	50	138	6	20
2 11/16	**01CRES211GRS1**	**01EB211GR02**	88	432	108	248	50	126	6	22
	02CRES211GRS1	**02EB211GR02**	114	540	130	248	38	152	6	40
2 3/4	**100CRES212GRS1**	**100B212GR02**	62	330	79	190	10	113	4,5	13
	01CRES212GRS1	**01EB212GR02**	88	432	108	248	50	126	6	22
	02CRES212GRS1	**02EB212GR02**	114	540	130	248	38	152	6	40
70	**100CRES70MGRS1**	**100B70MGR02**	62	330	79	190	10	113	4,5	13
	01CRES70MGRS1	**01EB70MGR02**	88	432	108	248	50	126	6	22
	02CRES70MGRS1	**02EB70MGR02**	114	540	130	248	38	152	6	40
2 15/16	**100CRES215GRS1**	**100B215GR02**	62	330	79	190	10	113	4,5	13
	01CRES215GRS1	**01EB215GR02**	88	432	108	248	50	126	6	22
	02CRES215GRS1	**02EB215GR02**	114	540	130	248	38	152	6	40
75	**100CRES75MGRS1**	**100B75MGR02**	62	330	79	190	10	113	4,5	13
	01CRES75MGRS1	**01EB75MGR02**	88	432	108	248	50	126	6	22
	02CRES75MGRS1	**02EB75MGR02**	114	540	130	248	38	152	6	40
3	**100CRES300GRS1**	**100B300GR02**	62	330	79	190	10	113	4,5	13
	01CRES300GRS1	**01EB300GR02**	88	432	108	248	50	126	6	22
	02CRES300GRS1	**02EB300GR02**	114	540	130	248	38	152	6	40
80	**01CRES80MGRS1**	**01EB80MGR02**	100	602	133	264	50	148	6	43
	02CRES80MGRS1	**02EB80MGR02**	126	610	149	334	76	173	9,5	62
3 3/16	**01CRES303GRS1**	**01EB303GR02**	100	602	133	264	50	148	6	43
	02CRES303GRS1	**02EB303GR02**	126	610	149	334	76	173	9,5	62

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Two to six attachment bolts may be required depending on the application requirements.

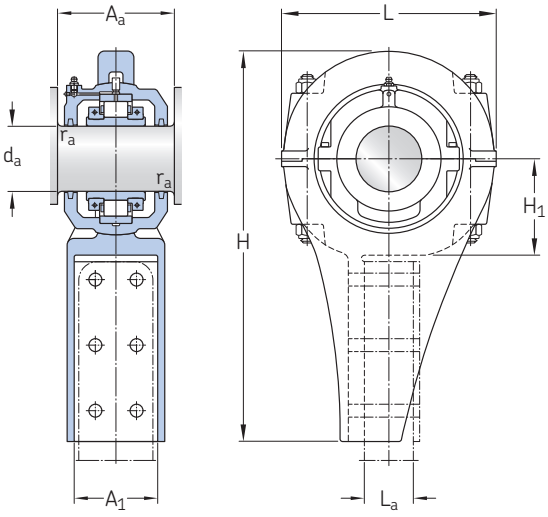
Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1[3]	H	H_1	L	L_a[3]	Abutment dimensions A_a	r_a	Mass Unit
mm/*in.*	–		mm							kg
3 1/4	**01CRES304GRS1**	**01EB304GR02**	100	602	133	264	50	148	6	43
	02CRES304GRS1	**02EB304GR02**	126	610	149	334	76	173	9,5	62
85	**100CRES85MGRS1**	**100B85MGR02**	88	432	108	248	50	126	6	23
	01CRES85MGRS1	**01EB85MGR02**	100	602	133	264	50	148	6	43
	02CRES85MGRS1	**02EB85MGR02**	126	610	149	334	76	173	9,5	62
3 7/16	**100CRES307GRS1**	**100B307GR02**	88	432	108	248	50	126	6	23
	01CRES307GRS1	**01EB307GR02**	100	602	133	264	50	148	6	43
	02CRES307GRS1	**02EB307GR02**	126	610	149	334	76	173	9,5	62
3 1/2	**01CRES308GRS1**	**01EB308GR02**	100	602	133	264	50	148	6	43
	02CRES308GRS1	**02EB308GR02**	126	610	149	334	76	173	9,5	62
90	**01CRES90MGRS1**	**01EB90MGR02**	100	602	133	264	50	148	6	43
	02CRES90MGRS1	**02EB90MGR02**	126	610	149	334	76	173	9,5	62
3 11/16	**01CRES311GRS1**	**01EB311GR02**	100	572	125	308	58	146	6	44
	02CRES311GRS1	**02EB311GR02**	126	618	149	354	76	171	12,5	71
95	**01CRES95MGRS1**	**01EB95MGR02**	100	572	125	308	58	146	6	44
3 3/4	**01CRES312GRS1**	**01EB312GR02**	100	572	125	308	58	146	6	44
	02CRES312GRS1	**02EB312GR02**	126	618	149	354	76	171	12,5	71
100	**100CRES100MGRS1**	**100B100MGR02**	114	540	130	248	38	148	6	36
	01CRES100MGRS1	**01EB100MGR02**	100	572	125	308	58	146	6	44
	02CRES100MGRS1	**02EB100MGR02**	126	618	149	354	76	171	12,5	71
3 15/16	**100CRES315GRS1**	**100B315GR02**	114	540	130	248	38	148	6	36
	01CRES315GRS1	**01EB315GR02**	100	572	125	308	58	146	6	44
	02CRES315GRS1	**02EB315GR02**	126	618	149	354	76	171	12,5	71
4	**100CRES400GRS1**	**100B400GR02**	114	540	130	248	38	148	6	36
	01CRES400GRS1	**01EB400GR02**	100	572	125	308	58	146	6	44
	02CRES400GRS1	**02EB400GR02**	126	618	149	354	76	171	12,5	71
105	**01CRES105MGRS1**	**01EB105MGR02**	100	572	125	308	58	146	6	44
	02CRES105MGRS1	**02EB105MGR02**	126	618	149	354	76	171	12,5	71
4 3/16	**01CRES403GRS1**	**01EB403GR02**	126	618	149	354	58	154	6	63
	02CRES403GRS1	**02EB403GR02**	126	654	162	400	76	187	12,5	91
110	**100CRES110MGRS1**	**100B110MGR02**	100	572	125	308	58	146	6	43
	01CRES110MGRS1	**01EB110MGR02**	126	618	149	354	58	154	6	63
	02CRES110MGRS1	**02EB110MGR02**	126	654	162	400	76	187	12,5	91
4 7/16	**100CRES407GRS1**	**100B407GR02**	100	572	125	308	58	146	6	43
	01CRES407GRS1	**01EB407GR02**	126	618	149	354	58	154	6	63
	02CRES407GRS1	**02EB407GR02**	126	654	162	400	76	187	12,5	91
4 1/2	**100CRES408GRS1**	**100B408GR02**	100	572	125	308	58	146	6	43
	01CRES408GRS1	**01EB408GR02**	126	618	149	354	58	154	6	63
	02CRES408GRS1	**02EB408GR02**	126	654	162	400	76	187	12,5	91
115	**100CRES115MGRS1**	**100B115MGR02**	100	572	125	308	58	146	6	43
	01CRES115MGRS1	**01EB115MGR02**	126	618	149	354	58	154	6	63
	02CRES115MGRS1	**02EB115MGR02**	126	654	162	400	76	187	12,5	91
120	**100CRES120MGRS1**	**100B120MGR02**	126	618	149	354	58	154	6	59
	01CRES120MGRS1	**01EB120MGR02**	126	654	158	400	64	168	6	83
	02CRES120MGRS1	**02EB120MGR02**	152	696	177	442	76	209	12,5	124

1) Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
2) Reduced clearance bearings are standard specification for use with rod ends.
3) Two to six attachment bolts may be required depending on the application requirements.

8.2 Shoe type rod ends for split cylindrical roller bearings

d_a **125 – 160** mm

4 15/16 – 6 *in.*



Shaft diameter d_a	**Designations**[1] Housing incl. matched cartridge	Bearing[2]	**Dimensions** A_1[3]	H	H_1	L	L_a[3]	**Abutment dimensions** A_a	r_a	**Mass** Unit
mm/*in.*	–		mm							kg
125	**100CRES125MGRS1**	**100B125MGR02**	126	618	149	354	58	154	6	59
	01CRES125MGRS1	**01EB125MGR02**	126	654	158	400	64	168	6	83
	02CRES125MGRS1	**02EB125MGR02**	152	696	177	442	76	209	12,5	124
4 15/16	**100CRES415GRS1**	**100B415GR02**	126	618	149	354	58	154	6	59
	01CRES415GRS1	**01EB415GR02**	126	654	158	400	64	168	6	83
	02CRES415GRS1	**02EB415GR02**	152	696	177	442	76	209	12,5	124
5	**100CRES500GRS1**	**100B500GR02**	126	618	149	354	58	154	6	59
	01CRES500GRS1	**01EB500GR02**	126	654	158	400	64	168	6	83
	02CRES500GRS1	**02EB500GR02**	152	696	177	442	76	209	12,5	124
130	**100CRES130MGRS1**	**100B130MGR02**	126	618	149	354	58	154	6	59
	01CRES130MGRS1	**01EB130MGR02**	126	654	158	400	64	168	6	83
	02CRES130MGRS1	**02EB130MGR02**	152	696	177	442	76	209	12,5	124
5 3/16	**01CRES503GRS1**	**01EB503GR02**	152	696	177	442	76	187	9,5	98
	02CRES503GRS1	**02EB503GR02**	152	696	177	442	76	213	12,5	145
135	**01CRES135MGRS1**	**01EB135MGR02**	152	696	177	442	76	187	9,5	98
5 7/16	**100CRES507GRS1**	**100B507GR02**	126	654	158	400	64	168	6	78
	01CRES507GRS1	**01EB507GR02**	152	696	177	442	76	187	9,5	98
	02CRES507GRS1	**02EB507GR02**	152	696	177	442	76	213	12,5	145
5 1/2	**100CRES508GRS1**	**100B508GR02**	126	654	158	400	64	168	6	78
	01CRES508GRS1	**01EB508GR02**	152	696	177	442	76	187	9,5	98
	02CRES508GRS1	**02EB508GR02**	152	696	177	442	76	213	12,5	145
140	**100CRES140MGRS1**	**100B140MGR02**	126	654	158	400	64	168	6	78
	01CRES140MGRS1	**01EB140MGR02**	152	696	177	442	76	187	9,5	98
	02CRES140MGRS1	**02EB140MGR02**	152	696	177	442	76	213	12,5	145
145	**02CRES145MGRS1**	**02EB145MGR02**	152	696	177	442	76	213	12,5	145
150	**100CRES150MGRS1**	**100B150MGR02**	152	696	177	442	76	187	9,5	91
	01CRES150MGRS1	**01EB150MGR02**	152	696	177	442	76	193	9,5	107
	02CRES150MGRS1	**02EB150MGR02**	152	736	203	444	64	229	12,5	166

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Two to six attachment bolts may be required depending on the application requirements.

Shaft diameter d_a	Designations[1] Housing incl. matched cartridge	Bearing[2]	Dimensions A_1[3]	H	H_1	L	L_a[3]	Abutment dimensions A_a	r_a	Mass Unit
mm/*in.*	–		mm							kg
5 15/16	**100CRES515GRS1**	**100B515GR02**	152	696	177	442	76	187	9,5	91
	01CRES515GRS1	**01EB515GR02**	152	696	177	442	76	193	9,5	107
	02CRES515GRS1	**02EB515GR02**	152	736	203	444	64	229	12,5	166
6	**100CRES600GRS1**	**100B600GR02**	152	696	177	442	76	187	9,5	91
	01CRES600GRS1	**01EB600GR02**	152	696	177	442	76	193	9,5	107
	02CRES600GRS1	**02EB600GR02**	152	736	203	444	64	229	12,5	166
155	**01CRES155MGRS1**	**01EB155MGR02**	152	696	177	442	76	193	9,5	107
	02CRES155MGRS1	**02EB155MGR02**	152	736	203	444	64	229	12,5	166
160	[4]	**01EB160MGR20**	152	696	177	442	76	193	9,5	107
	[4]	**02EB160MGR20**	152	736	203	444	64	229	12,5	166

[1] Only the basic designations are shown. For housings with matched cartridge for labyrinth seals, contact SKF.
[2] Reduced clearance bearings are standard specification for use with rod ends.
[3] Two to six attachment bolts may be required depending on the application requirements.
[4] For housing designations, refer to SKF

9 Designations

Designation system for bearings

100	B	408	EX	C3	ALF
1DT	B	130M		C2	

Bearing type and series

100	100 series split cylindrical roller bearing
01	01 series split cylindrical roller bearing
01E	01E series split cylindrical roller bearing
02	02 series split cylindrical roller bearing
02E	02E series split cylindrical roller bearing
03	03 series split cylindrical roller bearing
03E	03E series split cylindrical roller bearing
04	04 series split cylindrical roller bearing
1DT	Split tapered roller bearing

Part

B	Bearing

Size identification[1)]

For metric sizes, specify the bore diameter followed by "M":

35M	35 mm
to	
600M	600 mm

For inch sizes, specify the bore diameter as the whole number of inches followed by two digits representing the sixteenths of an inch:

103	1 3/16 in.
to	
2400	24 in.

Non-locating/Locating[2)]

EX	Non-locating bearing
GR	Locating bearing

Suffixes

AF	Axial expansion (float), preceded by the distance, e.g. 2AF for 2 mm axial expansion
AP	Air/grease purge points
AL(D)F	Aluminium cage with double flange (typically outer ring centred)
C2	Radial internal clearance smaller than Normal
C3	Radial internal clearance greater than Normal
C5	Radial internal clearance greater than C3
C	Special heat treatment for temperature stabilisation
CHAM	Special chamfer on the inner ring bore, followed by the size, e.g. CHAM 7 for 7 mm x 45°
EXILOG	Bearing with a locating outer ring and non-locating inner ring
FR	Full complement of rollers (no cage)
GM	Gunmetal/brass/bronze cage (when not standard)
GM(D)F	Gunmetal/brass/bronze cage with (double) flange (typically outer ring centred) (when not standard)
GROSL	Single lipped outer ring
OSO	Outer ring set out (particularly for large bearings where outer ring is usually retained in housing by radial screws)
XJR	Joint relief (to allow inner ring to be mounted in recess)

1) For split tapered roller bearings, only metric sizes 75 to 180 mm are applicable.
2) Split tapered roller bearings are only available as locating bearings. No suffix is required.

Designation system for cartridges for split cylindrical roller bearings

100	C	N	507	EX	TE
01	C		06	EX	

Bearing series

100	100 series split cylindrical roller bearing
01	01 or 01E series split cylindrical roller bearing
02	02 or 02E series split cylindrical roller bearing
03	03 series split cylindrical roller bearing
03E	03E series split cylindrical roller bearing

Part

C	Cartridge

Material

–	Grey cast iron
A	Aluminium
N	Ductile iron
S	Steel
SS	Stainless steel

Size identification

For cartridges with single groove seals or grease groove seals (whichever is standard according to the size) and metric sizes, specify the bearing bore diameter followed by "M":

40M	40 mm
to	
600M	600 mm

For cartridges with single groove seals or grease groove seals (whichever is standard according to the size) and inch sizes, specify the bearing bore diameter as the whole number of inches followed by two digits representing the sixteenths of an inch:

108	1 1/2 in.
to	
2400	24 in.

For cartridges with labyrinth seals, specify the number reference of the associated housing.

Non-locating/Locating

EX	Non-locating bearing
GR	Locating bearing

Suffixes

BOBP	Bolt-on end cover
BOBT	Bolt-on end cover with a thrust bearing
BP/BT/BPTL/BTTL	Refer to *Designation system for end covers*, **page 190**
IH	Inspection hole for measuring the position of the inner ring of the non-locating bearing once mounted
OB	Oversized bore: The cartridge end bore is larger than the bearing bore, followed by the end bore size, e.g. OB 65 M for 65 mm overbore.
OIL LUB	Oil lubricated
OTL	Oversized bore for triple labyrinth seal
SPM	Drilled for vibration sensor
TE	Drilled for temperature sensor

Designation system for cartridges for split tapered roller bearings

1DT	C	160	GR	150M
1DT	C	160	GR	65TL

Bearing series

1DT Split tapered roller bearing

Part

C Cartridge

Size identification: cartridge

Nominal cartridge size. Please refer to the product table, **page 104**.

Locating

GR Locating bearing

Size identification: end bore

For cartridges with grease groove seals, specify the bearing bore diameter followed by “M”:

75M 75 mm
to
180M 180 mm

For cartridges with labyrinth seals, this indicates the seal size for use with the cartridge, followed by “TL”.
Please refer to the product table, **page 104**.

Designation system for housings

	F	N	06	S1
100	H		415	DOUBLE BOSS

Prefix

100	100 series split cylindrical roller bearing (hanger housings, and matched cartridge and housing units only)
01	01 or 01E series split cylindrical roller bearing (hanger housings, and matched cartridge and housing units only)
02	02 or 02E series split cylindrical roller bearing (hanger housings, and matched cartridge and housing units only)

Housing type

CRES	Shoe type rod end housing including matched cartridge
CRET	"T" type rod end housing including matched cartridge
DF	Flanged housing with a square flange
F	Flanged housing with a round flange
H	Hanger housing
P	Plummer (pillow) block housing
PN	SD interchangeable plummer block housing
SAFC	SAF interchangeable plummer block housing
SAFQ	SAF interchangeable angled plummer block housing
SDC	SD interchangeable plummer block housing
SDQ	SD interchangeable angled plummer block housing
SNC	SN interchangeable plummer block housing
SNQ	SN interchangeable angled plummer block housing
TP	Push type take-up housing
TT	Tension type take-up housing

Material

–	Grey iron
A	Aluminium
N	Ductile iron
S	Cast steel or fabricated mild steel
SS	Stainless steel

Size identification

For plummer block, flanged, and take-up housing, specify the size from 01 to 95.

For SN, SD, and SAF interchangeable housings, specify the number reference of the housing it interchanges with, e.g. 3134 for an SD3134 housing, or 515 for an SN515 housing.

For hanger and rod end housings with metric sizes, specify the bore diameter followed by "M":

35M to **160M**	35 mm to 160 mm

For hanger and rod end housings with inch sizes, specify the bore diameter as the whole number of inches followed by two digits representing the sixteenths of an inch:

103 to **600**	1 3/16 in. to 6 in.

Suffixes

AP	Grease/air purge points for seals (hanger housings only)
BEM	Base ends machined, followed by machined length, e.g. BEM 500 mm
DOUBLE BOSS	Double boss (hanger housings only)
S1	Reduced swivel clearance between housing and cartridge
SLUB	Lubrication hole to spherical seat
TRIPLE BOSS	Triple boss (hanger housings only)

Designation system for end covers

BP	35M	
BP	103	
BT	140M	01
BT	115	02
BPTL	12	
BTTL	3	

Type of end cover

BP	End covers without thrust bearing, for cartridges with single seal grooves
BT	End covers with thrust bearing, for cartridges with single seal grooves
BPTL	End covers without thrust bearing, for cartridges with grooves for labyrinth seals
BTTL	End covers with thrust bearing, for cartridges with grooves for labyrinth seals

Size identification parameter

For end covers for cartridges with single groove seals specify any available bore size;
- bore diameter followed by "M" for metric sizes
- whole number of inches followed by two digits representing sixteenth of an inch for inch sizes

Examples

35M	35 mm
140M	140 mm
103	1 3/16 in.
115	1 15/16 in.
300	3 in.

For end covers for cartridges with labyrinth seals specify any available cartridge size designation.
End covers fit all cartridge variants with this size designation, e.g. BTTL3 could fit in either 01C3 or 02C3.

Examples

3	Cartridge size designation 3
12	Cartridge size designation 12

Bearing series reference

For end covers with thrust bearings, for cartridges with single groove seals.

01	01 or 01E series split cylindrical roller bearing
02	02 or 02E series split cylindrical roller bearing