FAG

Split plummer block housings LOE

Split plummer block housings LOE

Plummer block housings

Split

Closed on one side, with cover

LOE..-AF, LOE..-AL

For continuous shaft

LOE..-BF, LOE..-BL

Split plummer block housings LOE

Features

Split plummer block housings LOE are designed for oil lubrication. They are suitable for high speed bearing arrangements, for example in fans.

Suitable bearings

The dimensions of split plummer block housings LOE are matched to spherical roller bearings 222 and 223, see table. The housings LOE2 and LOE3 are intended for bearings with a cylindrical bore, while the housings LOE5 and LOE6 are intended for bearings with a tapered bore and adapter sleeve. The range of shaft diameters is between 50 mm and 240 mm.

Bearing type and sizes

Bearing type	Size
Spherical roller bearings	22217..-K to 22248..-K
■ with tapered bore and adapter sleeve	22314..-K to 22336..-K
■ with cylindrical bore	22214 to 22248
	22310 to 22336

Housing materials and anti-corrosion protection

The standard material for the housing bodies is flake graphite cast iron (suffix L). By agreement, housing bodies made from spheroidal graphite cast iron (suffix D) or cast steel (suffix S) are available.

All outer surfaces not machined by chip-forming methods have a universal paint coating (colour RAL 7031, bluish-grey). The coating can be finished using all synthetic resin, polyurethane, acrylic, epoxy resin, chlorinated rubber, nitrocellulose and acid-hardening hammer tone finishes.

Inner and outer surfaces machined by chip-forming methods are provided with anti-corrosion protection that can be easily removed. It is recommended that only volatile solvents and lint-free cloths should be used.

Locating and non-locating bearings

The housings are supplied as a locating bearing design or non-locating bearing design. In the locating bearing, the bearing is clamped between the housing covers. In the non-locating bearing, the bearing can align itself axially, since the covers have shorter centring collars.

Seals and covers

Plummer block housings LOE of design A are intended for the bearing arrangements of shaft ends. One side is closed by a cover and the other side is sealed against the shaft. Design B is intended for continuous shafts, in which case the housing is sealed against the shaft on both sides.

A labyrinth seal is used in this case, *Figure 1*. The labyrinth rings are unsplit. The grease chamber in the labyrinth can be relubricated.

The labyrinth seal allows shaft misalignment of up to 0,25° in both directions and is suitable for oil lubrication.

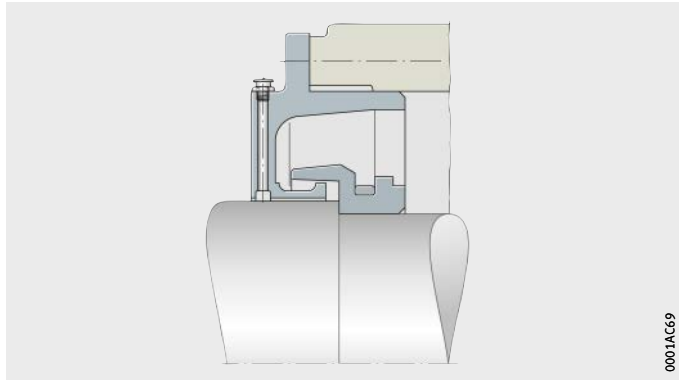


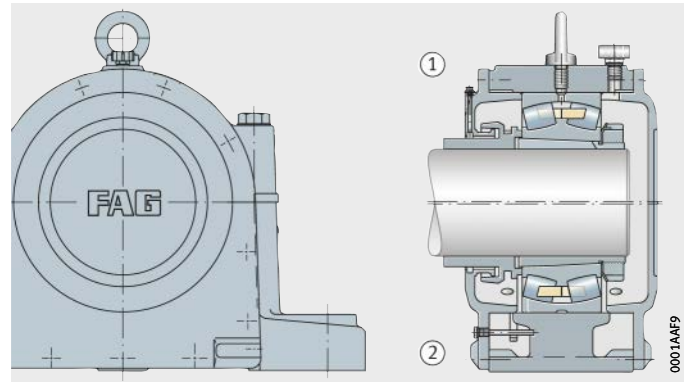
Figure 1
Labyrinth seal
for plummer block housing LOE

Housing configurations

In the case of plummer block housings LOE , various housing configurations are possible that are clearly described by means of the designation, *Figure 2* to *Figure 5*, page 251.

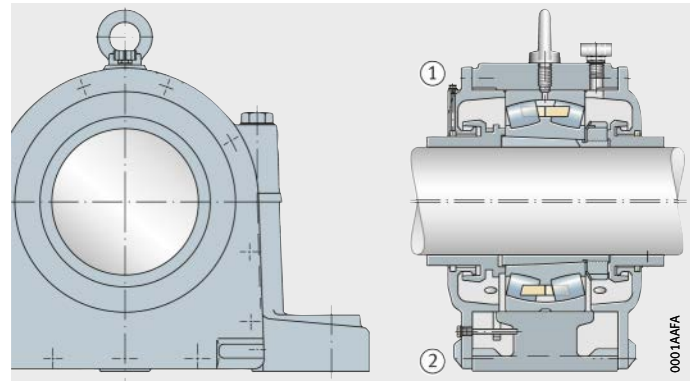
The following features can be varied in the housing configuration:

- location of bearings with a tapered bore by means of an adapter sleeve on a shaft of constant diameter or of bearings with a cylindrical bore directly on a stepped shaft
- continuous shaft or a housing closed on one side
- design of the bearing arrangement as a locating bearing arrangement or a non-locating bearing arrangement
- design with or without cooling coil, *Figure 6*, page 252.



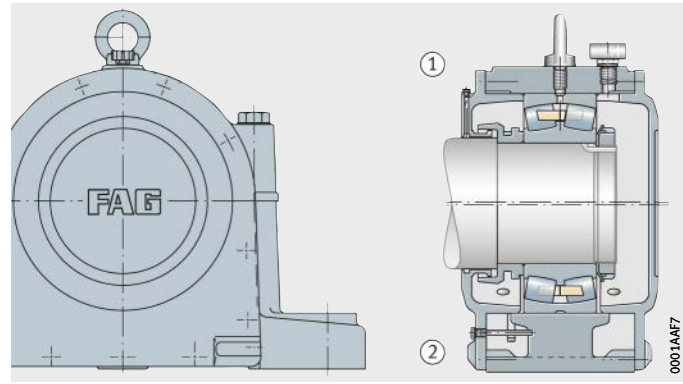
① Locating bearing LOE..-N-AF
② Non-locating bearing LOE..-N-AL

Figure 2
Plummer block housings LOE5, LOE6 for bearings with tapered bore and adapter sleeve, design A



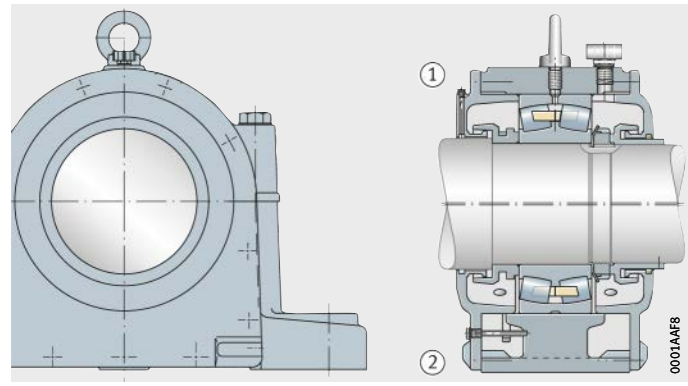
① Locating bearing LOE..-N-BF
② Non-locating bearing LOE..-N-BL

Figure 3
Plummer block housings LOE5, LOE6 for bearings with tapered bore and adapter sleeve, design B



① Locating bearing LOE..-N-AF
② Non-locating bearing LOE..-N-AL

Figure 4
Plummer block housings LOE2, LOE3 for bearings with cylindrical bore, design A



① Locating bearing LOE..-N-BF
② Non-locating bearing LOE..-N-BL

Figure 5
Plummer block housings LOE2, LOE3 for bearings with cylindrical bore, design B

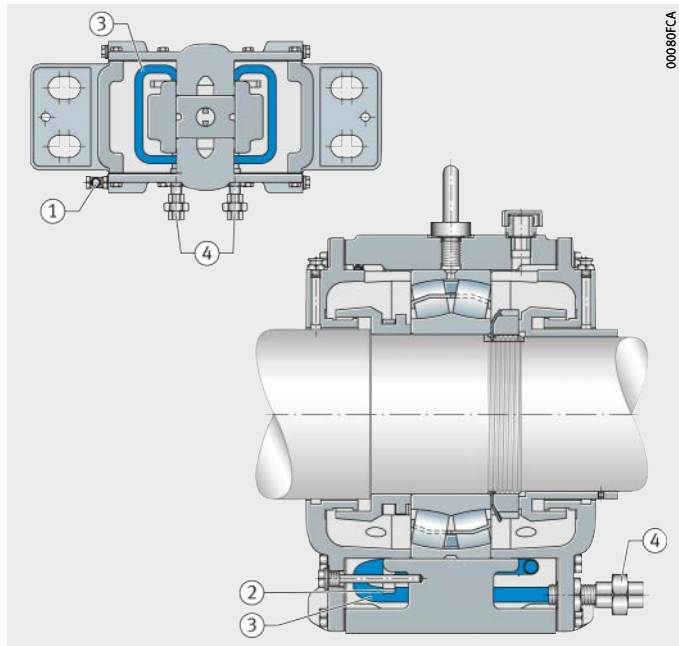
Lubrication

Split plummer block housings LOE are designed for oil lubrication. They are suitable for high speed bearing arrangements. The oil gives good heat dissipation from the bearing.

Oil bath lubrication

Oil lubrication is used as the lubrication method for the housings. The oil is supplied to the rolling bearing from the oil sump in the lower housing section by a ring oiler. An angled oil level indicator is screwed to one cover.

If cooling of the oil is necessary, the housings can be ordered in a design with a cooling coil (suffix E), *Figure 6*. The cooling coil is located in the area of the oil sump in the lower housing section and can be connected to an external cooling circuit.



① Angled oil level indicator
② Ring oiler
③ Cooling coil
④ Connectors for external cooling circuit

Figure 6
Plummer block housing LOE..-E with cooling coil

Recirculating oil lubrication

By agreement, a housing design for recirculating oil lubrication can be ordered using the designation F-582158.LOU. Please ask for further information.

Designation structure

The designation structure for split plummer block housings LOE is shown in the table and *Figure 7*.

Designation structure of plummer block housings LOE

Feature		Code	Description
①	Series	LOE	Split plummer block housings LOE
②	Diameter series of bearing, bearing bore	2	Bearings of diameter series 2, cylindrical bearing bore
		3	Bearings of diameter series 3, cylindrical bearing bore
		5	Bearings of diameter series 2, tapered bearing bore and adapter sleeve
		6	Bearings of diameter series 3, tapered bearing bore and adapter sleeve
③	Bore code of bearing	38	Bore diameter (38 · 5) mm = 190 mm
④	Oil lubrication	N	Standard design
		E	Design with cooling coil
⑤	Housing design	AF	Closed on one side, locating bearing
		AL	Closed on one side, non-locating bearing
		BF	Continuous shaft, locating bearing
		BL	Continuous shaft, non-locating bearing
⑥	Housing material	L	Flake graphite cast iron (standard)
		D	Spheroidal graphite cast iron
		S	Cast steel

Figure 7
Designation structure of plummer block housings LOE, example

Ordering examples

When ordering a split plummer block housing LOE, the designation contains indications of the size and location method of the bearing, the type of oil cooling and the design and material of the housing. The rolling bearing and, if necessary, the adapter sleeve or locknut must be ordered separately.

The ordering examples show the construction of orders for selected housing combinations and the appropriate bearings. The allocation of housings, bearings and accessories for all housing sizes is shown in the dimension tables.

Example 1

Plummer block housing LOE made from flake graphite cast iron, for continuous shaft, spherical roller bearing 22238-K-MB as locating bearing, location using adapter sleeve. Housing for oil cooling of standard design.

Order	1	plummer block housing	LOE538-N-BF-L
	1	spherical roller bearing	22238-K-MB
	1	adapter sleeve	H3138-HG

Example 2

Plummer block housing LOE made from flake graphite cast iron, for continuous shaft, spherical roller bearing 22238-MB as locating bearing, location using locknut. Housing for oil cooling of standard design.

Order	1	plummer block housing	LOE238-N-BF-L
	1	spherical roller bearing	22238-MB
	1	locknut	KM38
	1	tab washer	MB38

Design and safety guidelines

Eye bolts

The upper housing section has an eye bolt in accordance with DIN 580. This is intended as a locating point for mounting and dismounting of the housing. The load carrying capacity of the eye bolt allows lifting of the housing including a bearing fitted in the housing.

The eye bolt must always be screwed fully into the housing.

The eye bolt must not be subjected to a mass greater than that of the housing together with the bearing fitted in the housing.

Foot screws

Foot screws are used for screw mounting of the housing to the locating surface. They are not included in the scope of delivery of the housings.

The appropriate screw size for each housing is stated, see dimension tables.

The associated tightening torques are stated for screws with a metric thread in accordance with DIN 13, DIN 962 and DIN ISO 965-2, see table, page 42.

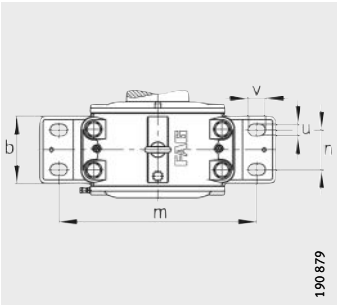
Accuracy

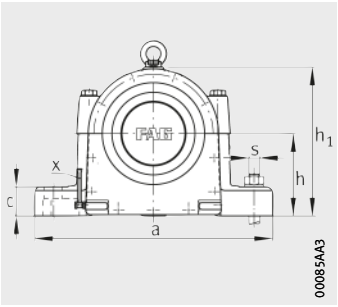
The bearing seat in split plummer block housings LOE is machined to the tolerance class G6.

By agreement, the housings can also be supplied with other tolerance classes for the bearing seat, see section Tolerance class of bearing seat, page 47.

Plummer block housings

LOE, split
For spherical roller bearings with tapered bore and adapter sleeve

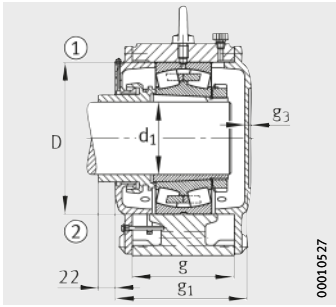




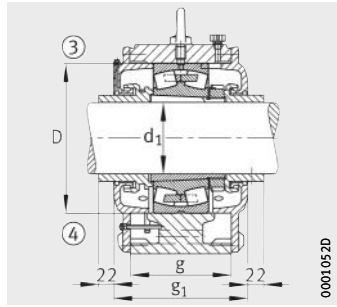
Dimension table · Dimensions in mm

Shaft	Housing Dimensions													
d_1	h	h_1	g	g_1	b	c	a	m	n	v	u	s	D	g_3
60	135	240	160	225	150	48	410	340	80	35	25	M20	150	18
60	135	240	160	225	150	48	410	340	80	35	25	M20	150	–
70	150	270	170	250	160	50	490	400	80	45	30	M24	170	18
70	150	270	170	250	160	50	490	400	80	45	30	M24	170	–
75	135	240	160	225	150	48	410	340	80	35	25	M20	150	18
75	135	240	160	225	150	48	410	340	80	35	25	M20	150	–
80	135	245	160	225	150	48	410	340	80	35	25	M20	160	17,5
80	135	245	160	225	150	48	410	340	80	35	25	M20	160	–
80	175	305	175	250	165	55	500	420	80	45	30	M24	190	18
80	175	305	175	250	165	55	500	420	80	45	30	M24	190	–
85	150	270	170	250	160	50	490	400	80	45	30	M24	170	18
85	150	270	170	250	160	50	490	400	80	45	30	M24	170	–
90	150	270	170	250	160	50	490	400	80	45	30	M24	180	20
90	150	270	170	250	160	50	490	400	80	45	30	M24	180	–
90	175	320	175	250	165	55	550	440	80	50	36	M30	215	18
90	175	320	175	250	165	55	550	440	80	50	36	M30	215	–
100	165	300	175	250	165	50	510	420	80	45	30	M24	200	18
100	165	300	175	250	165	50	510	420	80	45	30	M24	200	–
100	180	335	190	270	180	65	570	460	95	50	36	M30	240	20
100	180	335	190	270	180	65	570	460	95	50	36	M30	240	–
110	175	320	175	250	165	55	550	440	80	50	36	M30	215	18
110	175	320	175	250	165	55	550	440	80	50	36	M30	215	–
110	220	390	210	300	200	75	660	530	110	60	42	M36	260	18
110	220	390	210	300	200	75	660	530	110	60	42	M36	260	–
115	190	345	185	260	175	65	570	460	90	50	36	M30	230	18
115	190	345	185	260	175	65	570	460	90	50	36	M30	230	–
115	235	420	220	315	200	80	660	530	110	60	42	M36	280	18
115	235	420	220	315	200	80	660	530	110	60	42	M36	280	–

① Locating bearing AF; ② Non-locating bearing AL; ③ Locating bearing BF; ④ Non-locating bearing BL



Design A

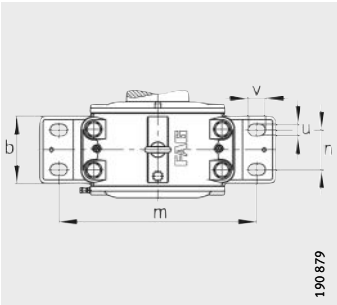


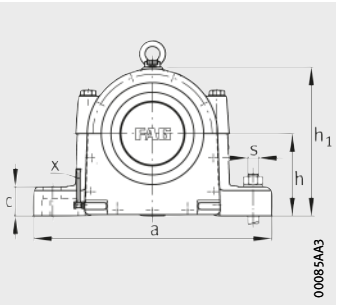
Design B

Spherical roller bearing and accessories		Oil quantity	Oil level	Housing		
Bearing	Adapter sleeve	Initial filling	Height	Mass	Designation	
			x	m	Locating bearing	Non-locating bearing
		l	mm	≈ kg		
22314..-K	H2314	1,4	50 – 65	45	**LOE614-N-AF-L**	**LOE614-N-AL-L**
22314..-K	H2314	1,4	50 – 65	45	**LOE614-N-BF-L**	**LOE614-N-BL-L**
22316..-K	H2316	1,6	55 – 70	60	**LOE616-N-AF-L**	**LOE616-N-AL-L**
22316..-K	H2316	1,6	55 – 70	60	**LOE616-N-BF-L**	**LOE616-N-BL-L**
22217..-K	H317	1,4	50 – 65	45	**LOE517-N-AF-L**	**LOE517-N-AL-L**
22217..-K	H317	1,4	50 – 65	45	**LOE517-N-BF-L**	**LOE517-N-BL-L**
22218..-K	H318	1,5	45 – 60	47	**LOE518-N-AF-L**	**LOE518-N-AL-L**
22218..-K	H318	1,5	45 – 60	47	**LOE518-N-BF-L**	**LOE518-N-BL-L**
22318..-K	H2318	2,3	65 – 85	73	**LOE618-N-AF-L**	**LOE618-N-AL-L**
22318..-K	H2318	2,3	65 – 85	73	**LOE618-N-BF-L**	**LOE618-N-BL-L**
22219..-K	H319	1,6	55 – 70	60	**LOE519-N-AF-L**	**LOE519-N-AL-L**
22219..-K	H319	1,6	55 – 70	60	**LOE519-N-BF-L**	**LOE519-N-BL-L**
22220..-K	H320	1,7	50 – 65	67	**LOE520-N-AF-L**	**LOE520-N-AL-L**
22220..-K	H320	1,7	50 – 65	67	**LOE520-N-BF-L**	**LOE520-N-BL-L**
22320..-K	H2320	2,4	55 – 75	81	**LOE620-N-AF-L**	**LOE620-N-AL-L**
22320..-K	H2320	2,4	55 – 75	81	**LOE620-N-BF-L**	**LOE620-N-BL-L**
22222..-K	H322	2,1	50 – 70	74	**LOE522-N-AF-L**	**LOE522-N-AL-L**
22222..-K	H322	2,1	50 – 70	74	**LOE522-N-BF-L**	**LOE522-N-BL-L**
22322..-K	H2322	2,4	45 – 65	100	**LOE622-N-AF-L**	**LOE622-N-AL-L**
22322..-K	H2322	2,4	45 – 65	100	**LOE622-N-BF-L**	**LOE622-N-BL-L**
22224..-K	H3124	2,3	50 – 70	80	**LOE524-N-AF-L**	**LOE524-N-AL-L**
22224..-K	H3124	2,3	50 – 70	80	**LOE524-N-BF-L**	**LOE524-N-BL-L**
22324..-K	H2324	4,2	65 – 90	130	**LOE624-N-AF-L**	**LOE624-N-AL-L**
22324..-K	H2324	4,2	65 – 90	130	**LOE624-N-BF-L**	**LOE624-N-BL-L**
22226..-K	H3126	2,3	55 – 75	93	**LOE526-N-AF-L**	**LOE526-N-AL-L**
22226..-K	H3126	2,3	55 – 75	93	**LOE526-N-BF-L**	**LOE526-N-BL-L**
22326..-K	H2326	3,7	75 – 105	142	**LOE626-N-AF-L**	**LOE626-N-AL-L**
22326..-K	H2326	3,7	75 – 105	142	**LOE626-N-BF-L**	**LOE626-N-BL-L**

Plummer block housings

LOE, split
For spherical roller bearings with tapered bore and adapter sleeve

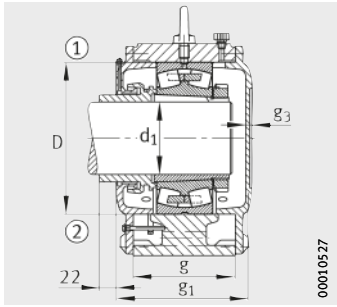




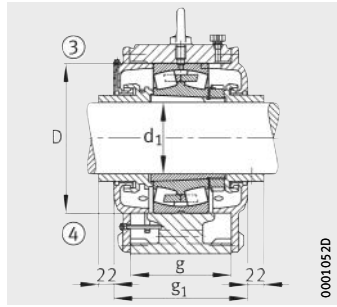
Dimension table (continued) · Dimensions in mm

Shaft	Housing Dimensions													
d_1	h	h_1	g	g_1	b	c	a	m	n	v	u	s	D	g_3
125	190	355	180	260	175	65	570	460	100	50	36	M30	250	18
125	190	355	180	260	175	65	570	460	100	50	36	M30	250	–
125	260	450	230	325	220	85	710	580	125	60	42	M36	300	19,5
125	260	450	230	325	220	85	710	580	125	60	42	M36	300	–
135	220	395	200	275	190	70	660	530	100	60	42	M36	270	18
135	220	395	200	275	190	70	660	530	100	60	42	M36	270	–
135	265	465	240	335	200	85	760	630	125	60	42	M36	320	18
135	265	465	240	335	200	85	760	630	125	60	42	M36	320	–
140	220	400	210	290	200	70	660	530	110	60	42	M36	290	20
140	220	400	210	290	200	70	660	530	110	60	42	M36	290	–
140	270	485	250	350	240	90	820	670	130	70	48	M42	340	20
140	270	485	250	350	240	90	820	670	130	70	48	M42	340	–
150	260	460	210	300	200	85	710	580	110	60	42	M36	310	18
150	260	460	210	300	200	85	710	580	110	60	42	M36	310	–
150	280	510	255	350	240	90	830	670	130	70	48	M42	360	18
150	280	510	255	350	240	90	830	670	130	70	48	M42	360	–
160	260	465	210	300	200	85	710	580	110	60	42	M36	320	20
160	260	465	210	300	200	85	710	580	110	60	42	M36	320	–
160	290	530	260	360	240	90	840	680	130	70	48	M42	380	20
160	290	530	260	360	240	90	840	680	130	70	48	M42	380	–
170	270	485	250	350	240	90	820	670	130	70	48	M42	340	20
170	270	485	250	350	240	90	820	670	130	70	48	M42	340	–
180	280	510	260	344	240	90	830	670	130	70	48	M42	360	20
180	280	510	260	344	240	90	830	670	130	70	48	M42	360	–
200	310	565	280	380	240	105	880	720	130	70	48	M42	400	20
200	310	565	280	380	240	105	880	720	130	70	48	M42	400	–
220	340	625	300	400	280	120	980	820	165	70	48	M42	440	20
220	340	625	300	400	280	120	980	820	165	70	48	M42	440	–

① Locating bearing AF; ② Non-locating bearing AL; ③ Locating bearing BF; ④ Non-locating bearing BL



Design A

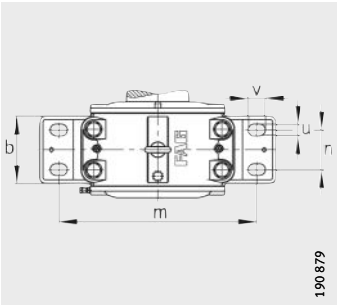


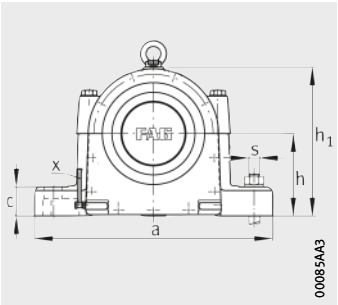
Design B

Spherical roller bearing and accessories		Oil quantity	Oil level	Housing		
Bearing	Adapter sleeve	Initial filling	Height	Mass	Designation	
			x	m	Locating bearing	Non-locating bearing
		l	mm	≈ kg		
22228..-K	H3128	3,7	55 – 75	100	**LOE528-N-AF-L**	**LOE528-N-AL-L**
22228..-K	H3128	3,7	55 – 75	100	**LOE528-N-BF-L**	**LOE528-N-BL-L**
22328..-K	H2328	6,7	80 – 110	170	**LOE628-N-AF-L**	**LOE628-N-AL-L**
22328..-K	H2328	6,7	80 – 110	170	**LOE628-N-BF-L**	**LOE628-N-BL-L**
22230..-K	H3130	4,2	65 – 90	125	**LOE530-N-AF-L**	**LOE530-N-AL-L**
22230..-K	H3130	4,2	65 – 90	125	**LOE530-N-BF-L**	**LOE530-N-BL-L**
22330..-K	H2330	6,2	75 – 110	200	**LOE630-N-AF-L**	**LOE630-N-AL-L**
22330..-K	H2330	6,2	75 – 110	200	**LOE630-N-BF-L**	**LOE630-N-BL-L**
22232..-K	H3132(-HG)	4,7	60 – 80	135	**LOE532-N-AF-L**	**LOE532-N-AL-L**
22232..-K	H3132(-HG)	4,7	60 – 80	135	**LOE532-N-BF-L**	**LOE532-N-BL-L**
22332..-K	H2332(-HG)	7,0	80 – 105	240	**LOE632-N-AF-L**	**LOE632-N-AL-L**
22332..-K	H2332(-HG)	7,0	80 – 105	240	**LOE632-N-BF-L**	**LOE632-N-BL-L**
22234..-K	H3134(-HG)	6,0	90 – 105	160	**LOE534-N-AF-L**	**LOE534-N-AL-L**
22234..-K	H3134(-HG)	6,0	80 – 105	160	**LOE534-N-BF-L**	**LOE534-N-BL-L**
22334..-K	H2334(-HG)	7,2	80 – 105	270	**LOE634-N-AF-L**	**LOE634-N-AL-L**
22334..-K	H2334(-HG)	7,2	80 – 105	270	**LOE634-N-BF-L**	**LOE634-N-BL-L**
22236..-K	H3136(-HG)	6,0	75 – 110	200	**LOE536-N-AF-L**	**LOE536-N-AL-L**
22236..-K	H3136(-HG)	6,0	75 – 110	200	**LOE536-N-BF-L**	**LOE536-N-BL-L**
22336..-K	H2336(-HG)	7,4	80 – 105	330	**LOE636-N-AF-L**	**LOE636-N-AL-L**
22336..-K	H2336(-HG)	7,4	80 – 105	330	**LOE636-N-BF-L**	**LOE636-N-BL-L**
22238..-K	H3138(-HG)	7,2	70 – 100	230	**LOE538-N-AF-L**	**LOE538-N-AL-L**
22238..-K	H3138(-HG)	7,2	70 – 100	230	**LOE538-N-BF-L**	**LOE538-N-BL-L**
22240..-K	H3140(-HG)	7,2	75 – 100	250	**LOE540-N-AF-L**	**LOE540-N-AL-L**
22240..-K	H3140(-HG)	7,2	75 – 100	250	**LOE540-N-BF-L**	**LOE540-N-BL-L**
22244..-K	H3144X(-HG)	8,2	80 – 110	310	**LOE544-N-AF-L**	**LOE544-N-AL-L**
22244..-K	H3144X(-HG)	8,2	80 – 110	310	**LOE544-N-BF-L**	**LOE544-N-BL-L**
22248..-K	H3148X(-HG)	8,4	100 – 120	385	**LOE548-N-AF-L**	**LOE548-N-AL-L**
22248..-K	H3148X(-HG)	8,4	100 – 120	385	**LOE548-N-BF-L**	**LOE548-N-BL-L**

Plummer block housings

LOE, split
For spherical roller bearings with cylindrical bore

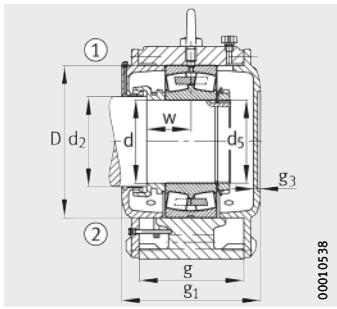




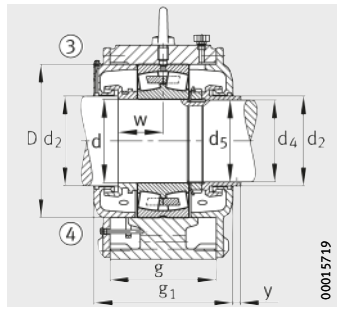
Dimension table · Dimensions in mm

Shaft			Housing Dimensions												
d	d_2	d_4	h	h_1	g	g_1	b	c	a	m	n	v	u	s	D
50	55	–	115	205	135	210	125	40	350	290	75	30	20	M16	110
50	55	47	115	205	135	210	125	40	350	290	75	30	20	M16	110
60	65	–	125	220	140	220	130	45	370	310	80	30	20	M16	130
60	65	57	125	220	140	220	130	45	370	310	80	30	20	M16	130
70	75	–	135	240	160	225	150	48	410	340	80	35	25	M20	150
70	75	67	135	240	160	225	150	48	410	340	80	35	25	M20	150
80	85	–	150	270	170	250	160	50	490	400	80	45	30	M24	170
80	85	77	150	270	170	250	160	50	490	400	80	45	30	M24	170
85	90	–	135	240	160	225	150	48	410	340	80	35	25	M20	150
85	90	82	135	240	160	225	150	48	410	340	80	35	25	M20	150
90	95	–	135	245	160	225	150	48	410	340	80	35	25	M20	160
90	95	87	135	245	160	225	150	48	410	340	80	35	25	M20	160
90	95	–	175	305	175	250	165	55	500	420	80	45	30	M24	190
90	95	87	175	305	175	250	165	55	500	420	80	45	30	M24	190
95	100	–	150	270	170	250	160	50	490	400	80	45	30	M24	170
95	100	92	150	270	170	250	160	50	490	400	80	45	30	M24	170
100	110	–	150	270	170	250	160	50	490	400	80	45	30	M24	180
100	110	97	150	270	170	250	160	50	490	400	80	45	30	M24	180
100	106	–	175	320	175	250	165	55	550	440	80	50	36	M30	215
100	106	97	175	320	175	250	165	55	550	440	80	50	36	M30	215
110	116	–	165	300	175	250	165	50	510	420	80	45	30	M24	200
110	116	107	165	300	175	250	165	50	510	420	80	45	30	M24	200
110	120	–	180	335	190	270	180	65	570	460	95	50	36	M30	240
110	120	107	180	335	190	270	180	65	570	460	95	50	36	M30	240
120	126	–	175	320	175	250	165	55	550	440	80	50	36	M30	215
120	126	117	175	320	175	250	165	55	550	440	80	50	36	M30	215
120	126	–	220	390	210	300	200	75	660	530	110	60	42	M36	260
120	126	117	220	390	210	300	200	75	660	530	110	60	42	M36	260
130	136	–	190	345	185	260	175	65	570	460	90	50	36	M30	230
130	136	127	190	345	185	260	175	65	570	460	90	50	36	M30	230
130	140	–	235	420	220	315	200	80	660	530	110	60	42	M36	280
130	140	127	235	420	220	315	200	80	660	530	110	60	42	M36	280

① Locating bearing AF; ② Non-locating bearing AL; ③ Locating bearing BF; ④ Non-locating bearing BL



Design A

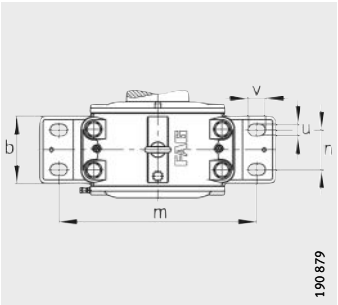


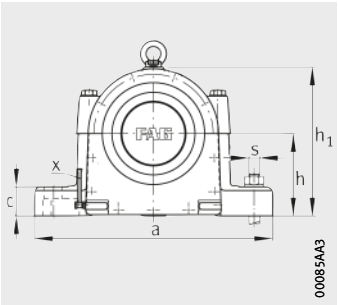
Design B

			Spherical roller bearing and accessories				Oil quantity	Oil level	Housing		
w	y	g_3	Bearing	Shaft nut		Tab washer	Initial filling	Height x	Mass m	Designation	
					d_5		l	mm	≈ kg	Locating bearing	Non-locating bearing
52	–	18	**22310**	KM10	M50×2	MB10	0,9	50 – 65	30	**LOE310-N-AF-L**	**LOE310-N-AL-L**
52	15	–	**22310**	KM10	M50×2	MB10	0,9	50 – 65	30	**LOE310-N-BF-L**	**LOE310-N-BL-L**
55	–	18	**22312**	KM12	M60×2	MB12	1,0	50 – 65	35	**LOE312-N-AF-L**	**LOE312-N-AL-L**
55	15	–	**22312**	KM12	M60×2	MB12	1,0	50 – 65	35	**LOE312-N-BF-L**	**LOE312-N-BL-L**
62	–	18	**22314**	KM14	M70×2	MB14	1,4	50 – 65	45	**LOE314-N-AF-L**	**LOE314-N-AL-L**
62	15	–	**22314**	KM14	M70×2	MB14	1,4	50 – 65	45	**LOE314-N-BF-L**	**LOE314-N-BL-L**
67	–	18	**22316**	KM16	M80×2	MB16	1,6	55 – 70	60	**LOE316-N-AF-L**	**LOE316-N-AL-L**
67	15	–	**22316**	KM16	M80×2	MB16	1,6	55 – 70	60	**LOE316-N-BF-L**	**LOE316-N-BL-L**
62	–	18	**22217**	KM17	M85×2	MB17	1,4	50 – 65	45	**LOE217-N-AF-L**	**LOE217-N-AL-L**
62	15	–	**22217**	KM17	M85×2	MB17	1,4	50 – 65	45	**LOE217-N-BF-L**	**LOE217-N-BL-L**
61	–	17,5	**22218**	KM18	M90×2	MB18	1,5	45 – 60	47	**LOE218-N-AF-L**	**LOE218-N-AL-L**
61	15	–	**22218**	KM18	M90×2	MB18	1,5	45 – 60	47	**LOE218-N-BF-L**	**LOE218-N-BL-L**
72	–	18	**22318**	KM18	M90×2	MB18	2,3	65 – 85	73	**LOE318-N-AF-L**	**LOE318-N-AL-L**
72	15	–	**22318**	KM18	M90×2	MB18	2,3	65 – 85	73	**LOE318-N-BF-L**	**LOE318-N-BL-L**
67	–	18	**22219**	KM19	M95×2	MB19	1,6	55 – 70	60	**LOE219-N-AF-L**	**LOE219-N-AL-L**
67	15	–	**22219**	KM19	M95×2	MB19	1,6	55 – 70	60	**LOE219-N-BF-L**	**LOE219-N-BL-L**
60	–	20	**22220**	KM20	M100×2	MB20	1,7	50 – 65	67	**LOE220-N-AF-L**	**LOE220-N-AL-L**
60	15	–	**22220**	KM20	M100×2	MB20	1,7	50 – 65	67	**LOE220-N-BF-L**	**LOE220-N-BL-L**
72	–	18	**22320**	KM20	M100×2	MB20	2,4	55 – 75	81	**LOE320-N-AF-L**	**LOE320-N-AL-L**
72	15	–	**22320**	KM20	M100×2	MB20	2,4	55 – 75	81	**LOE320-N-BF-L**	**LOE320-N-BL-L**
70	–	18	**22222**	KM22	M110×2	MB22	2,1	50 – 70	74	**LOE222-N-AF-L**	**LOE222-N-AL-L**
70	15	–	**22222**	KM22	M110×2	MB22	2,1	50 – 70	74	**LOE222-N-BF-L**	**LOE222-N-BL-L**
77	–	20	**22322**	KM22	M110×2	MB22	2,4	45 – 65	100	**LOE322-N-AF-L**	**LOE322-N-AL-L**
77	15	–	**22322**	KM22	M110×2	MB22	2,4	45 – 65	100	**LOE322-N-BF-L**	**LOE322-N-BL-L**
72	–	18	**22224**	KM24	M120×2	MB24	2,3	50 – 70	80	**LOE224-N-AF-L**	**LOE224-N-AL-L**
72	15	–	**22224**	KM24	M120×2	MB24	2,3	50 – 70	80	**LOE224-N-BF-L**	**LOE224-N-BL-L**
90	–	18	**22324**	KM24	M120×2	MB24	4,2	65 – 90	130	**LOE324-N-AF-L**	**LOE324-N-AL-L**
90	15	–	**22324**	KM24	M120×2	MB24	4,2	65 – 90	130	**LOE324-N-BF-L**	**LOE324-N-BL-L**
77	–	18	**22226**	KM26	M130×2	MB26	2,3	55 – 75	93	**LOE226-N-AF-L**	**LOE226-N-AL-L**
77	15	–	**22226**	KM26	M130×2	MB26	2,3	55 – 75	93	**LOE226-N-BF-L**	**LOE226-N-BL-L**
86	–	18	**22326**	KM26	M130×2	MB26	3,7	75 – 105	142	**LOE326-N-AF-L**	**LOE326-N-AL-L**
86	15	–	**22326**	KM26	M130×2	MB26	3,7	75 – 105	142	**LOE326-N-BF-L**	**LOE326-N-BL-L**

Plummer block housings

LOE, split
For spherical roller bearings with cylindrical bore

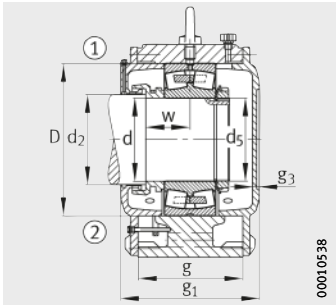




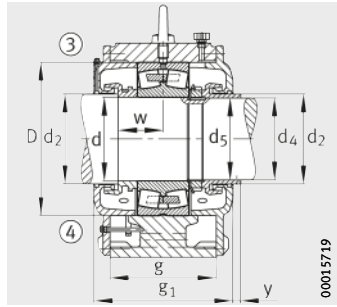
Dimension table (continued) · Dimensions in mm

Shaft			Housing Dimensions												
d	d_2	d_4	h	h_1	g	g_1	b	c	a	m	n	v	u	s	D
140	150	–	190	355	180	260	175	65	570	460	100	50	36	M30	250
140	150	137	190	355	180	260	175	65	570	460	100	50	36	M30	250
140	146	–	260	450	230	325	220	85	710	580	125	60	42	M36	300
140	146	137	260	450	230	325	220	85	710	580	125	60	42	M36	300
150	156	–	220	395	200	275	190	70	660	530	100	60	42	M36	270
150	156	147	220	395	200	275	190	70	660	530	100	60	42	M36	270
150	160	–	265	465	240	335	200	85	760	630	125	60	42	M36	320
150	160	147	265	465	240	335	200	85	760	630	125	60	42	M36	320
160	170	–	220	400	210	290	200	70	660	530	110	60	42	M36	290
160	170	155	220	400	210	290	200	70	660	530	110	60	42	M36	290
160	166	–	270	485	250	350	240	90	820	670	130	70	48	M42	340
160	166	155	270	485	250	350	240	90	820	670	130	70	48	M42	340
170	176	–	260	460	210	300	200	85	710	580	110	60	42	M36	310
170	176	165	260	460	210	300	200	85	710	580	110	60	42	M36	310
170	180	–	280	510	255	350	240	90	830	670	130	70	48	M42	360
170	180	165	280	510	255	350	240	90	830	670	130	70	48	M42	360
180	190	–	260	465	210	300	200	85	710	580	110	60	42	M36	320
180	190	175	260	465	210	300	200	85	710	580	110	60	42	M36	320
180	190	–	290	530	260	360	240	90	840	680	130	70	48	M42	380
180	190	175	290	530	260	360	240	90	840	680	130	70	48	M42	380
190	196	–	270	485	250	350	240	90	820	670	130	70	48	M42	340
190	196	185	270	485	250	350	240	90	820	670	130	70	48	M42	340
200	210	–	280	510	260	344	240	90	830	670	130	70	48	M42	360
200	210	195	280	510	260	344	240	90	830	670	130	70	48	M42	360
220	230	–	310	565	280	380	240	105	880	720	130	70	48	M42	400
220	230	212	310	565	280	380	240	105	880	720	130	70	48	M42	400
240	260	–	340	615	300	400	280	120	980	820	165	70	48	M42	440
240	260	235	340	615	300	400	280	120	980	820	165	70	48	M42	440

① Locating bearing AF; ② Non-locating bearing AL; ③ Locating bearing BF; ④ Non-locating bearing BL



Design A



Design B

			Spherical roller bearing and accessories				Oil quantity	Oil level	Housing		
w	y	g_3	Bearing	Shaft nut		Tab washer	Initial filling	Height	Mass	Designation	
					d_5		l	x mm	m ≈ kg	Locating bearing	Non-locating bearing
73	–	18	**22228**	KM28	M140×2	MB28	3,7	55 – 70	100	**LOE228-N-AF-L**	**LOE228-N-AL-L**
73	22	–	**22228**	KM28	M140×2	MB28	3,7	55 – 70	100	**LOE228-N-BF-L**	**LOE228-N-BL-L**
95	–	19,5	**22328**	KM28	M140×2	MB28	6,7	80 – 110	170	**LOE328-N-AF-L**	**LOE328-N-AL-L**
95	15	–	**22328**	KM28	M140×2	MB28	6,7	80 – 110	170	**LOE328-N-BF-L**	**LOE328-N-BL-L**
82	–	18	**22230**	KM30	M150×2	MB30	4,2	65 – 90	125	**LOE230-N-AF-L**	**LOE230-N-AL-L**
82	15	–	**22230**	KM30	M150×2	MB30	4,2	65 – 90	125	**LOE230-N-BF-L**	**LOE230-N-BL-L**
95	–	18	**22330**	KM30	M150×2	MB30	6,2	75 – 110	200	**LOE330-N-AF-L**	**LOE330-N-AL-L**
95	15	–	**22330**	KM30	M150×2	MB30	6,2	75 – 110	200	**LOE330-N-BF-L**	**LOE330-N-BL-L**
80	–	20	**22232**	KM32	M160×3	MB32	4,7	60 – 80	136	**LOE232-N-AF-L**	**LOE232-N-AL-L**
80	22	–	**22232**	KM32	M160×3	MB32	4,7	60 – 80	136	**LOE232-N-BF-L**	**LOE232-N-BL-L**
100	–	20	**22332**	KM32	M160×3	MB32	7,0	80 – 105	240	**LOE332-N-AF-L**	**LOE332-N-AL-L**
100	15	–	**22332**	KM32	M160×3	MB32	7,0	80 – 105	240	**LOE332-N-BF-L**	**LOE332-N-BL-L**
90	–	18	**22234**	KM34	M170×3	MB34	6,0	90 – 105	160	**LOE234-N-AF-L**	**LOE234-N-AL-L**
90	15	–	**22234**	KM34	M170×3	MB34	6,0	90 – 105	160	**LOE234-N-BF-L**	**LOE234-N-BL-L**
105	–	18	**22334**	KM34	M170×3	MB34	7,2	80 – 105	270	**LOE334-N-AF-L**	**LOE334-N-AL-L**
105	15	–	**22334**	KM34	M170×3	MB34	7,2	80 – 105	270	**LOE334-N-BF-L**	**LOE334-N-BL-L**
90	–	20	**22236**	KM36	M180×3	MB36	6,0	75 – 110	200	**LOE236-N-AF-L**	**LOE236-N-AL-L**
90	22	–	**22236**	KM36	M180×3	MB36	6,0	75 – 110	200	**LOE236-N-BF-L**	**LOE236-N-BL-L**
108	–	20	**22336**	KM36	M180×3	MB36	7,4	80 – 105	330	**LOE336-N-AF-L**	**LOE336-N-AL-L**
108	15	–	**22336**	KM36	M180×3	MB36	7,4	80 – 105	330	**LOE336-N-BF-L**	**LOE336-N-BL-L**
95	–	20	**22238**	KM38	M190×3	MB38	7,2	70 – 100	230	**LOE238-N-AF-L**	**LOE238-N-AL-L**
95	15	–	**22238**	KM38	M190×3	MB38	7,2	70 – 100	230	**LOE238-N-BF-L**	**LOE238-N-BL-L**
100	–	20	**22240**	KM40	M200×3	MB40	7,2	75 – 100	250	**LOE240-N-AF-L**	**LOE240-N-AL-L**
100	15	–	**22240**	KM40	M200×3	MB40	7,2	75 – 100	250	**LOE240-N-BF-L**	**LOE240-N-BL-L**
108	–	20	**22244**	HM44T	Tr220×4	MB44	8,2	80 – 110	310	**LOE244-N-AF-L**	**LOE244-N-AL-L**
108	15	–	**22244**	HM44T	Tr220×4	MB44	8,2	80 – 110	310	**LOE244-N-BF-L**	**LOE244-N-BL-L**
120	–	20	**22248**	HM48T	Tr240×4	MB48	8,4	100 – 125	385	**LOE248-N-AF-L**	**LOE248-N-AL-L**
120	22	–	**22248**	HM48T	Tr240×4	MB48	8,4	100 – 125	385	**LOE248-N-BF-L**	**LOE248-N-BL-L**