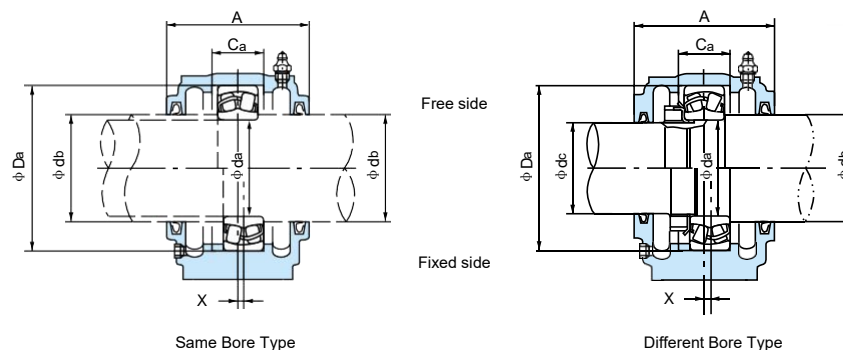
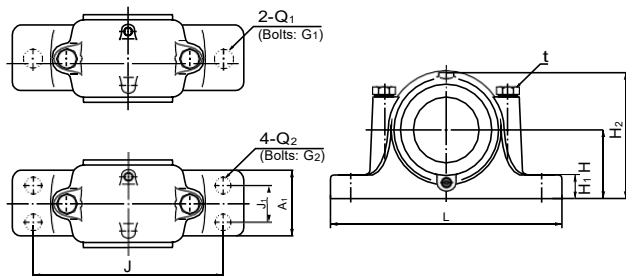


Plummer Block Housings

Flat Bottom Type SN2F, SN3F Series

for Bearing with Cylindrical Bore

Shaft Diameter : 70 ~ 160mm



Same Bore Type

Different Bore Type

$$1\text{N}=0.102\text{kqf}$$

Shaft dia. d _a d _b d _c (mm)		Dimensions (mm)								Bolt holes (Reference)						t Mass (Nominal) (kg) (Reference) (Reference)		Designations Same Bore Type Different Bore Type		Applicable parts										Y (Reference)	
																				Self-aligning ball bearings		Spherical roller bearings		Nut	Locking washer	Oil seal		Locating ring			
		D _a (H8)	H (h13)	A	L	A ₁	H ₁	H ₂	C _a (H13)	J	Q ₁	G ₁ (Nominal)	J ₁	Q ₂	G ₂ (Nominal)	d ₁ side	d ₂ side	Designation	Q _T												
70	80 65	125	80	115	275	80	30	155	44	230	19	M16	40	15	M12	M12	7.6	SN214F	SN214FC	1214 2214	— 22214EX	AN14	AW14X	GS18	GS15	SR125×10 SR125×13	2 1	28 32			
	80 ⁽¹⁾ 65	150	95	130	320	90	32	185	61	260	24	M20	50	19	M16	M16	15	SN314F	SN314FC	1314 2314	21314E 22314EX	AN14	AW14X	GS18	GS15	SR150×13 SR150×10	2 1	34 42			
75	85 70	130	80	115	280	80	30	155	41	230	19	M16	40	15	M12	M12	8.8	SN215F	SN215FC	1215 2215	— 22215EX	AN15	AW15X	GS19	GS16	SR130×8 SR130×10	2 1	30 33			
	85 ⁽¹⁾ 70	160	100	140	345	100	35	195	65	290	24	M20	50	19	M16	M16	16	SN315F	SN315FC	1315 2315	21315E 22315EX	AN15	AW15X	GS19	GS16	SR160×14 SR160×10	2 1	36 45			
80	90 75	140	95	120	315	90	32	175	43	260	24	M20	50	19	M16	M16	13	SN216F	SN216FC	1216 2216	— 22216EX	AN16	AW16X	GS20	GS17	SR140×8.5 SR140×10	2 1	32 36			
	90 ⁽¹⁾ 75	170	112	145	345	100	35	212	68	290	24	M20	50	19	M16	M16	17	SN316F	SN316FC	1316 2316	21316E 22316EX	AN16	AW16X	GS20	GS17	SR170×14.5 SR170×10	2 1	39 48			
85	95 80	150	95	125	320	90	32	185	46	260	24	M20	50	19	M16	M16	14	SN217F	SN217FC	1217 2217	— 22217EX	AN17	AW17X	GS21	GS18	SR150×9 SR150×10	2 1	34 38			
	95 ⁽¹⁾ 80	180	112	155	380	110	40	223	70	320	28	M24	60	24	M20	M20	24	SN317F	SN317FC	1317 2317	21317E 22317EX	AN17	AW17X	GS21	GS18	SR180×14.5 SR180×10	2 1	41 50			
90	100 85	160	100	145	345	100	35	195	62.4	290	24	M20	50	19	M16	M16	18	SN218F	SN218FC	1218 2218 —	— 22218EX 23218E	AN18	AW18X	GS22	GS19	SR160×16.2 SR160×11.2 SR160×10	2 2 1	35 40 46			
95	110 90	170	112	140	345	100	35	210	53	290	24	M20	50	19	M16	M16	20	SN219F	SN219FC	1219 2219	— 22219EX	AN19	AW19X	GS24	GS20	SR170×10.5 SR170×10	2 1	37 43			
100	115 95	180	112	160	380	110	40	218	70.3	320	28	M24	60	24	M20	M20	26	SN220F	SN220FC	1220 2220 —	— 22220EX 23220E	AN20	AW20X	GS26	GS21	SR180×18.1 SR180×12.1 SR180×10	2 2 1	39 45 52			
110	125 105																														
120	135 115	215	140	185	410	120	45	270	86	350	28	M24	70	24	M20	M20	35	SN224F	SN224FC	— —	22224EX 23224E	AN24	AW24X	GS30	GS26	SR215×14 SR215×10	2 1	53 62			
130	145 125	230	150	190	445	130	50	290	90	380	28	M24	70	28	M24	M24	42	SN226F	SN226FC	— —	22226EX 23226E	AN26	AW26	GS33	GS28	SR230×13 SR230×10	2 1	57 65			
140	155 135	250	150	205	500	150	50	305	98	420	35	M30	80	28	M24	M24	52	SN228F	SN228FC	— —	22228EX 23228E	AN28	AW28	GS35	GS30	SR250×15 SR250×10	2 1	60 70			
150	165 145	270	160	220	530	160	60	325	106	450	35	M30	90	28	M24	M24	61	SN230F	SN230FC	— —	22230E 23230E	AN30	AW30	GS37	GS33	SR270×16.5 SR270×10	2 1	65 76			
160	175 150	290	170	235	550	160	60	345	114	470	35	M30	90	28	M24	M24	68	SN232F	SN232FC	— —	22232E 23232E	AN32	AW32	GS39	GS34	SR290×17 SR290×10	2 1	71 83			

Note (1): When heavy axial load is applied, a spacer with large O.D. and small inner chamfer must be used between the bearing and shaft shoulder to obtain a sufficient contact area.

Remarks (1): Plummer block housings are housings with oil seals, a plug and a grease nipple only.

To make a complete unit, please order the corresponding bearing, locating rings and other parts shown in the table additionally.

(2): The masses in the table do not include the bearing, nut and locating rings but the bolts.

(3): H8, H13 and h13 in the table means tolerance classes specified in JIS B 0401.

(4): The tolerance of locating ring O.D. is h12, and 0 ~ -0.2 for the width.

(5) : Plummer block housings SN224 and larger are provided with eye bolts.

(6) : The threads for plugs are PT1/8 for SN316 and smaller, and PT1/4 for the others.

(7) : When one locating ring is used for fixed-end, the offset (X dimension) of bearing center from the center of the plummer block housing is a half of the locating ring width.

(8): ZF type oil seals are also available instead of GS type seals.

(9) : SN---C type housings for different shaft diameters d_b or d_c from the dimensions shown above are also available.

(10): Please specify number of bolt holes.