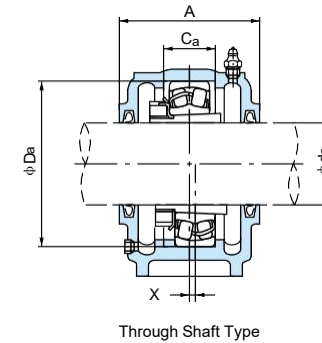
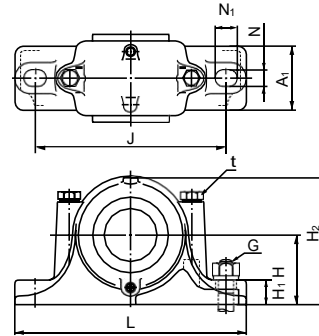


Plummer BlockHousings

SN5, SN6, SN30, SN31 Series

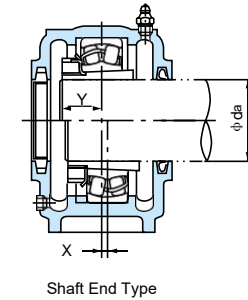
for Bearing with Adapter Sleeve

Shaft Diameter : 20 ~ 60mm



Free side

Fixed side



Through Shaft Type

Shaft End Type

1N=0.102kgf

Shaft dia. d _a (mm)	Dimensions (mm)													Mass (kg) (Reference)	Designations		Applicable parts								Y (Reference)
	D _a (H8)	H (h13)	J	N	N ₁	A	L	A ₁	H ₁	H ₂	C _a (H13)	G (Nominal)	t (Nominal) (Reference)				Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring				
															Designation	Q'ty									
20	52	40	130	15	20	67	165	46	22	75	25	M12	M 8	1.1	SN505	SN505E	1205K 2205K	— 22205EXK	H205X H305X	GS 5	SR52×5 SR52×7	2 1	17 19		
	62	50	150	15	20	80	185	52	22	90	34	M12	M 8	1.6	SN605	SN605E	1305K 2305K	— 21305EK	H305X H2305X	GS 5	SR62×8.5 SR62×10	1 2	18 22		
25	62	50	150	15	20	77	185	52	22	90	30	M12	M 8	1.7	SN506	SN506E	1206K 2206K	— 22206EXK	H206X H306X	GS 6	SR62×7 SR62×10	2 1	18 20		
	72	50	150	15	20	82	185	52	22	95	37	M12	M10	1.8	SN606	SN606E	1306K 2306K	21306EK —	H306X H2306X	GS 6	SR72×9 SR72×10	2 1	19 23		
30	72	50	150	15	20	82	185	52	22	95	33	M12	M10	1.9	SN507	SN507E	1207K 2207K	— 22207EXK	H207X H307X	GS 7	SR72×8 SR72×10	2 1	19 22		
	80	60	170	15	20	90	205	60	25	110	41	M12	M10	2.6	SN607	SN607E	1307K 2307K	21307EK —	H307X H2307X	GS 7	SR80×10 SR80×10	2 1	21 26		
35	80	60	170	15	20	85	205	60	25	110	33	M12	M10	2.6	SN508	SN508E	1208K 2208K	— 22208EXK	H208X H308X	GS 8	SR80×7.5 SR80×10	2 1	21 23		
	90	60	170	15	20	95	205	60	25	115	43	M12	M10	2.9	SN608	SN608E	1308K 2308K	21308EK 22308EXK	H308X H2308X	GS 8	SR90×10 SR90×10	2 1	23 28		
40	85	60	170	15	20	85	205	60	25	112	31	M12	M10	2.8	SN509	SN509E	1209K 2209K	— 22209EXK	H209X H309X	GS 9	SR85×6 SR85×8	2 1	22 24		
	100	70	210	18	23	105	255	70	28	130	46	M16	M12	4.1	SN609	SN609E	1309K 2309K	21309EK 22309EXK	H309X H2309X	GS 9	SR100×10.5 SR100×10	2 1	25 31		
45	90	60	170	15	20	90	205	60	25	115	33	M12	M10	3.0	SN510	SN510E	1210K 2210K	— 22210EXK	H210X H310X	GS10	SR90×6.5 SR90×10	2 1	24 25		
	110	70	210	18	23	115	255	70	30	135	50	M16	M12	4.7	SN610	SN610E	1310K 2310K	21310EK 22310EXK	H310X H2310X	GS10	SR110×11.5 SR110×10	2 1	27 34		
50	100	70	210	18	23	95	255	70	28	130	33	M16	M12	4.5	SN511	SN511E	1211K 2211K	— 22211EXK	H211X H311X	GS11	SR100×6 SR100×8	2 1	25 27		
	120	80	230	18	23	120	275	80	30	150	53	M16	M12	5.8	SN611	SN611E	1311K 2311K	21311EK 22311EXK	H311X H2311X	GS11	SR120×12 SR120×10	2 1	29 36		
55	110	70	210	18	23	105	255	70	30	135	38	M16	M12	5.0	SN512	SN512E	1212K 2212K	— 22212EXK	H212X H312X	GS12	SR110×8 SR110×10	2 1	26 29		
	130	80	230	18	23	125	280	80	30	155	56	M16	M12	6.5	SN612	SN612E	1312K 2312K	21312EK 22312EXK	H312X H2312X	GS12	SR130×12.5 SR130×10	2 1	31 39		
60	120	80	230	18	23	110	275	80	30	150	43	M16	M12	5.6	SN513	SN513E	1213K 2213K	— 22213EXK	H213X H313X	GS13	SR120×10 SR120×12	2 1	28 32		
	140	95	260	22	27	130	315	90	32	175	58	M20	M16	8.7	SN613	SN613E	1313K 2313K	21313EK 22313EXK	H313X H2313X	GS13	SR140×12.5 SR140×10	2 1	33 40		

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, adapter sleeve and locating rings shown in the table additionally.

(2): The masses in the table do not include the bearing, adapter sleeve 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): 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.

(6): The threads for plugs are PT1/8. SN505 does not have a drain hole.

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

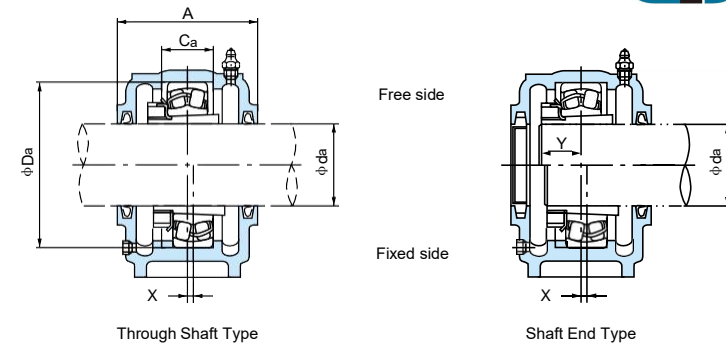
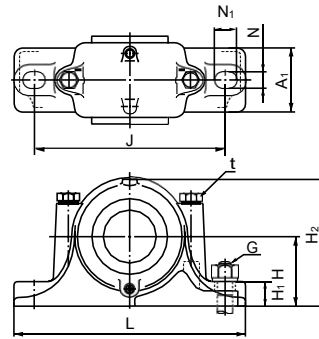
(8): The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer BlockHousings

SN5, SN6, SN30, SN31 Series

for Bearing with Adapter Sleeve

Shaft Diameter : 65 ~ 100mm



1N=0.102kgf

Shaft dia. d _a (mm)	Dimensions (mm)													Mass (kg) (Reference)	Designations		Applicable parts							Y (Reference)
	D _a (H8)	H (h13)	J	N	N ₁	A	L	A ₁	H ₁	H ₂	C _a (H13)	G (Nominal)	t (Nominal) (Reference)				Self-aligning ball bearings	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring			
															Designation	Q'ty								
~	130	80	230	18	23	115	280	80	30	155	41	M16	M12	7.0	SN515	SN515E	1215K	—	H215X	GS15	SR130×8	2	30	
	160	100	290	22	27	140	345	100	35	195	65	M20	M16	11			2215K	22215EXK	H315X		SR130×10	1	33	
70															SN615	SN615E	1315K	21315EK	H315X	GS15	SR160×14	2	36	
																	2315K	22315EXK	H2315X		SR160×10	1	45	
	140	95	260	22	27	120	315	90	32	175	43	M20	M16	9.0	SN516	SN516E	1216K	—	H216X	GS16	SR140×8.5	2	32	
	170	112	290	22	27	145	345	100	35	212	68	M20	M16	13	SN616	SN616E	2216K	22216EXK	H316X		SR140×10	1	36	
75																	1316K	21316EK	H316X	GS16	SR170×14.5	2	39	
																	2316K	22316EXK	H2316X		SR170×10	1	48	
	150	95	260	22	27	125	320	90	32	185	46	M20	M16	10	SN517	SN517E	1217K	—	H217X	GS17	SR150×9	2	34	
	180	112	320	26	32	155	380	110	40	223	70	M24	M20	15	SN617	SN617E	2217K	22217EXK	H317X		SR150×10	1	38	
80																	1317K	21317EK	H317X	GS17	SR180×14.5	2	41	
																	2317K	22317EXK	H2317X		SR180×10	1	50	
	160	100	290	22	27	145	345	100	35	195	62.4	M20	M16	13	SN518	SN518E	1218K	—	H218X	GS18	SR160×16.2	2	35	
	190	112	320	26	32	160	380	110	40	230	74	M24	M20	19	SN618	SN618E	2218K	22218EXK	H318X		SR160×11.2	2	40	
85																	—	23218EK	H2318X		SR160×10	1	46	
																	1318K	21318EK	H318X	GS18	SR190×15.5	2	42	
																	2318K	22318EXK	H2318X		SR190×10	1	52	
	170	112	290	22	27	140	345	100	35	210	53	M20	M16	15	SN519	SN519E	1219K	—	H219X	GS19	SR170×10.5	2	37	
90																	2219K	22219EXK	H319X		SR170×10	1	43	
	200	125	350	26	32	170	410	120	45	250	77	M24	M20	22	SN619	SN619E	1319K	21319EK	H319X	GS19	SR200×16	2	44	
																	2319K	22319EXK	H2319X		SR200×10	1	55	
	180	112	320	26	32	160	380	110	40	218	70.3	M24	M20	19	SN520	SN520E	1220K	—	H220X	GS20	SR180×18.1	2	39	
100																	2220K	22220EXK	H320X		SR180×12.1	2	45	
																	—	23220EK	H2320X		SR180×10	1	52	
	215	140	350	26	32	175	410	120	45	270	83	M24	M20	25	SN620	SN620E	1320K	21320EK	H320X	GS20	SR215×18	2	46	
																	2320K	22320EXK	H2320X		SR215×10	1	59	
100	180	112	320	26	32	155	380	110	40	223	66	M24	M20	18	SN3122	SN3122E	—	23122EK	H3122X	GS22	SR180×10	1	51	
	200	125	350	26	32	175	410	120	45	240	80	M24	M20	20	SN522	SN522E	1222K	—	H222X	GS22	SR200×21	2	42	
																	2222K	22222EXK	H322X		SR200×13.5	2	50	
	240	150	390	28	36	190	450	130	50	300	90	M24	M24	32	SN622	SN622E	—	23222EK	H2322X		SR200×10	1	58	
																	1322K	21322EK	H322X	GS22	SR240×20	2	48	
																	2322K	22322EXK	H2322X		SR240×10	1	63	

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, adapter sleeve and locating rings shown in the table additionally.

(2): The masses in the table do not include the bearing, adapter sleeve 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 SN3028, SN3126, SN524, SN620 and larger are provided with eye bolts.

(6): 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.

(7): The threads for plugs are PT1/8 for SN519, SN616 and smaller, and PT1/4 for the others.

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

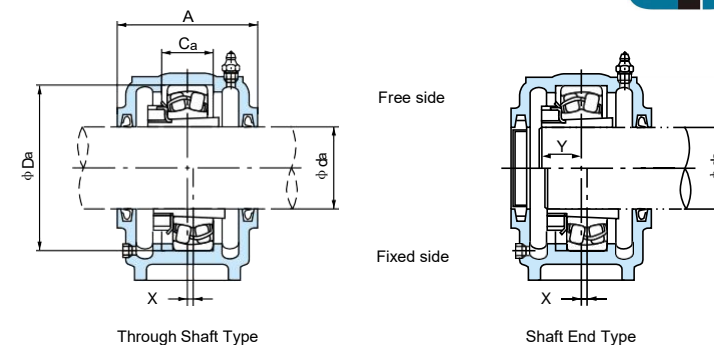
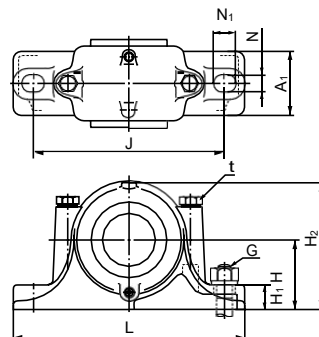
(9): The dimension Y indicates the distance from the bearing center to the outer side face of the nut.

Plummer Block Housings

SN5, SN6, SN30, SN31 Series

for Bearing with Adapter Sleeve

Shaft Diameter : 110 ~ 170mm



1N=0.102kgf

Shaft dia. d _a (mm)	Dimensions (mm)													Mass (kg) (Reference)	Designations		Applicable parts						
	D _a (H8)	H (h13)	J	N	N ₁	A	L	A ₁	H ₁	H ₂	C _a (H13)	G (Nominal)	t (Nominal) (Reference)				Through Shaft Type	Shaft End Type	Spherical roller bearings	Adapter sleeve	Oil seal	Locating ring	
															Designation	Q'ty							
110	180	112	320	26	32	150	380	110	40	223	56	M24	M20	16	SN3024	SN3024E	23024EK	H3024X	GS24	SR180×10	1	47	
	200	125	350	26	32	165	410	120	45	245	72	M24	M20	20	SN3124	SN3124E	23124EK	H3124X	GS24	SR200×10	1	55	
	215	140	350	26	32	185	410	120	45	270	86	M24	M20	25	SN524	SN524E	22224EXK	H3124X	GS24	SR215×14	2	53	
																	23224EK	H2324X	GS24	SR215×10	1	62	
	260	160	450	33	42	200	530	160	60	320	96	M30	M24	48	SN624	SN624E	22324EK	H2324X	GS24	SR260×10	1	67	
115	200	125	350	26	32	160	410	120	45	245	62	M24	M20	19	SN3026	SN3026E	23026EK	H3026	GS26	SR200×10	1	51	
	210	140	350	26	32	170	410	120	45	270	74	M24	M20	26	SN3126	SN3126E	23126EK	H3126	GS26	SR210×10	1	57	
	230	150	380	28	36	190	445	130	50	290	90	M24	M24	30	SN526	SN526E	22226EXK	H3126	GS26	SR230×13	2	57	
																	23226EK	H2326	GS26	SR230×10	1	65	
	280	170	470	33	42	210	550	160	60	340	103	M30	M24	56	SN626	SN626E	22326EK	H2326	GS26	SR280×10	1	72	
125	210	140	350	26	32	170	410	120	45	270	63	M24	M20	25	SN3028	SN3028E	23028EK	H3028	GS28	SR210×10	1	53	
	225	150	380	28	36	180	445	130	50	290	78	M24	M24	32	SN3128	SN3128E	23128EK	H3128	GS28	SR225×10	1	60	
	250	150	420	33	42	205	500	150	50	305	98	M30	M24	38	SN528	SN528E	22228EXK	H3128	GS28	SR250×15	2	60	
																	23228EK	H2328	GS28	SR250×10	1	70	
	300	180	520	35	45	235	610	170	65	365	112	M30	M30	72	SN628	SN628E	22328EK	H2328	GS28	SR300×10	1	77	
135	225	150	380	28	36	175	445	130	50	290	66	M24	M24	29	SN3030	SN3030E	23030EK	H3030	GS30	SR225×10	1	56	
	250	150	420	33	42	200	500	150	50	305	90	M30	M24	38	SN3130	SN3130E	23130EK	H3130	GS30	SR250×10	1	68	
	270	160	450	33	42	220	530	160	60	325	106	M30	M24	46	SN530	SN530E	22230EK	H3130	GS30	SR270×16.5	2	65	
																	23230EK	H2330	GS30	SR270×10	1	76	
	320	190	560	35	45	245	650	180	65	385	118	M30	M30	98	SN630	SN630E	22330EK	H2330	GS30	SR320×10	1	82	
140	240	150	390	28	36	190	450	130	50	300	70	M24	M24	32	SN3032	SN3032E	23032EK	H3032	GS32	SR240×10	1	61	
	270	160	450	33	42	215	530	160	60	325	96	M30	M24	48	SN3132	SN3132E	23132EK	H3132	GS32	SR270×10	1	74	
	290	170	470	33	42	235	550	160	60	345	114	M30	M24	50	SN532	SN532E	22232EK	H3132	GS32	SR290×17	2	71	
																	23232EK	H2332	GS32	SR290×10	1	83	
	340	200	580	42	50	255	680	190	70	405	124	M36	M30	115	SN632	SN632E	22332EK	H2332	GS32	SR340×10	1	88	
150	260	160	450	33	42	200	530	160	60	320	77	M30	M24	40	SN3034	SN3034E	23034EK	H3034	GS34	SR260×10	1	66	
	280	170	470	33	42	220	550	160	60	340	98	M30	M24	58	SN3134	SN3134E	23134EK	H3134	GS34	SR280×10	1	76	
160	280	170	470	33	42	210	550	160	60	340	84	M30	M24	50	SN3036	SN3036E	23036EK	H3036	GS36	SR280×10	1	70	
	300	180	520	35	45	230	610	170	65	365	106	M30	M30	70	SN3136	SN3136E	23136EK	H3136	GS36	SR300×10	1	81	
170	290	170	470	33	42	210	550	160	60	345	85	M30	M24	55	SN3038	SN3038E	23038EK	H3038	GS38	SR290×10	1	72	
	320	190	560	35	45	240	650	180	65	385	114	M30	M30	90	SN3138	SN3138E	23138EK	H3138	GS38	SR320×10	1	86	

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, adapter sleeve and locating rings shown in the table additionally.

(2): The masses in the table do not include the bearing, adapter sleeve 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 SN3028, SN3126, SN524, SN620 and larger are provided with eye bolts.

(6): 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.

(7): The threads for plugs are PT1/4.

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

(9): The dimension Y indicates the distance from the bearing center to the outer side face of the nut.