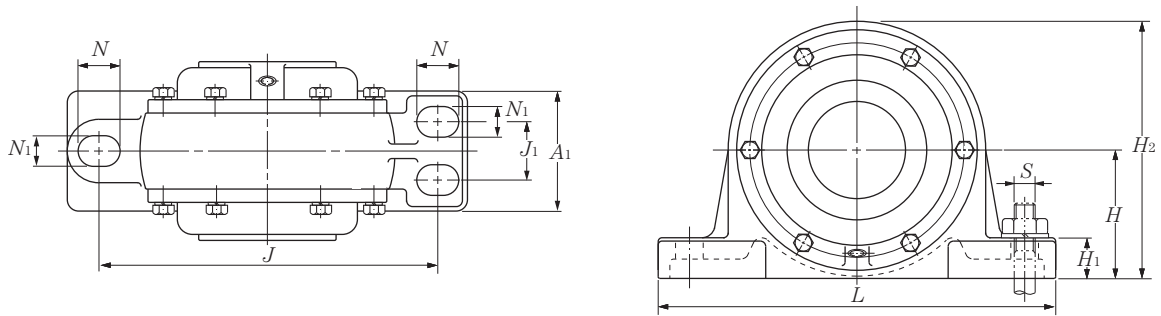


Plummer Blocks SV5

Unit type standard / For bearing with adapter assembly

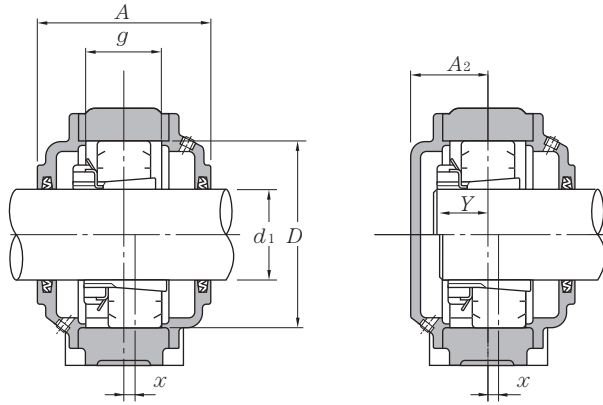


d_1 20~135mm

Shaft dia. mm d_1	Bearing numbers	BAS code ①		Nominal number		Abutment and fillet dimensions								
		main body	cover	self-aligning ball bearings	spherical roller bearings	D	H	J	J_1	mm N_1 N		L	A	A_1
20	SV505	V052	052C	1205SK 2205K	—	52	45	130	—	16	20	165	73	46
25	SV506	V062	062C	1206K 2206K	—	62	50	150	—	16	20	185	80	52
30	SV507	V072	072C	1207K 2207K	—	72	56	150	—	16	20	185	85	52
35	SV508	V080	080C	1208K 2208K	— 22208EAKD1	80	60	170	—	16	20	205	95	60
40	SV509	V085	085C	1209K 2209K	— 22209EAKD1	85	63	170	—	16	23	205	98	60
45	SV510	V090	090C	1210K 2210K	— 22210EAKD1	90	67	170	—	16	23	205	100	60
50	SV511	V100	100C	1211K 2211K	— 22211EAKD1	100	71	210	—	16	23	255	106	70
55	SV512	V110	110C	1212K 2212K	— 22212EAKD1	110	80	210	—	21	25	255	112	70
60	SV513	V120	120C	1213K 2213K	— 22213EAKD1	120	85	230	—	21	25	275	118	80
65	SV515	V130	130C	1215K 2215K	— 22215EAKD1	130	90	230	—	21	25	280	118	80
70	SV516	V140	140C	1216K 2216K	— 22216EAKD1	140	100	260	—	25	30	315	136	90
75	SV517	V150	150C	1217K 2217K	— 22217EAKD1	150	100	260	—	25	30	315	140	90
80	SV518	V160	160C	1218K 2218K	— 22218EAKD1 23218EMKD1	160	112	290	—	25	30	345	150	100
85	SV519	V170	170C	1219K 2219K	— 22219EAKD1	170	112	290	—	25	30	345	165	100
90	SV520	V180	180C	1220K 2220K	— 22220EAKD1 23220EMKD1	180	125	320	56	23	32	380	170	110
100	SV522	V200	200C	1222K 2222K	— 22222EAKD1 23222EMKD1	200	132	350	60	23	32	410	190	120
110	SV524	V215	215C		22224EAKD1 23224EMKD1	215	140	350	60	23	32	410	190	120
115	SV526	V230	230C		22226EAKD1 23226EMKD1	230	150	380	65	23	32	450	200	130
125	SV528	V250	250C		22228EAKD1 23228EMKD1	250	160	420	80	23	32	500	218	150
135	SV530	V270	270C		22230EAKD1 23230EMKD1	270	170	450	92	29	42	540	236	160

- ① The Japan Bearing Industrial Association Standard
- ② The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
- ③ Dimension Y is an approximate distance from the bearing center to the shaft end for shaft end configuration.

NOTE: 1) Sizes SV520 and greater are equipped with lifting eye bolts.
2) Fill and drain plugs size: SV505-SV520.....PT1/8
SV522-SV532.....PT1/4



Abutment and fillet dimensions					Approx. <i>S</i> nominal number	Mass kg (approx.)	Adapter	Nominal number		Approx. mm <i>Y</i> ³⁾	Seal number	shaft dia. mm <i>d</i> ₁
<i>g</i>	mm		<i>H</i> ₁	<i>H</i> ₂				setting washer ²⁾	number			
27	31	22	85	M14	2	2.1	H205X H305X	SR 52X 6 SR 52X 9	2 1	17 19	ZF5	20
30	34	22	95	M14	2	2.7	H206X H306X	SR 62X 7 SR 62X10	2 1	18 20	ZF6	25
33	37.5	22	106	M14	2	3.3	H207X H307X	SR 72X 8 SR 72X10	2 1	19 22	ZF7	30
37	40.5	25	118	M14	2	4.5	H208X H308X	SR 80X 9.5 SR 80X 7	2 2	21 23	ZF8	35
39	42.5	25	125	M14	2	4.5	H209X H309X	SR 85X10 SR 85X 8	2 2	22 24	ZF9	40
39	42.5	25	128	M14	2	4.8	H210X H310X	SR 90X 9.5 SR 90X 8	2 2	24 25	ZF10	45
42	47	28	140	M14	2	5.8	H211X H311X	SR100X10.5 SR100X 8.5	2 2	25 27	ZF11	50
46	47	30	155	M18	2	6.8	H212X H312X	SR110X12 SR110X 9	2 2	26 29	ZF12	55
49	50	30	165	M18	2	9.5	H213X H313X	SR120X13 SR120X 9	2 2	28 32	ZF13	60
50	50	30	175	M18	2	10	H215X H315X	SR130X12.5 SR130X 9.5	2 2	30 33	ZF15	65
56	58	32	195	M22	2	14	H216X H316X	SR140X15 SR140X11.5	2 2	32 36	ZF16	70
56	60	32	195	M22	2	15	H217X H317X	SR150X14 SR150X10	2 2	34 38	ZF17	75
62	65	35	224	M22	2	20	H218X H318X H2318X	SR160X16 SR160X11 SR160X 9.6	2 2 1	35 40 46	ZF18	80
62	72.5	35	224	M22	2	20	H219X H319X	SR170X15 SR170X 9.5	2 2	37 43	ZF19	85
70	75	40	243	M20	4	26	H220X H320X H2320X	SR160X18 SR180X12 SR180X 9.7	2 2 1	39 45 52	ZF20	90
82	82	45	265	M20	4	30	H222X H322X H2322X	SR200X22 SR200X14.5 SR200X12.2	2 2 1	42 50 58	ZF22	100
82	82	45	280	M20	4	36	H3124X H2324X	SR215X12 SR215X 6	2 1	53 62	ZF24	110
86	87	50	300	M20	4	45	H3126 H2326	SR230X11 SR230X 6	2 1	57 65	ZF26	115
94	96	50	315	M20	4	53	H3128 H2328	SR250X13 SR250X 6	2 1	60 70	ZF28	125
103	105	60	335	M24	4	63	H3130 H2330	SR270X15 SR270X 7	2 1	65 76	ZF30	135

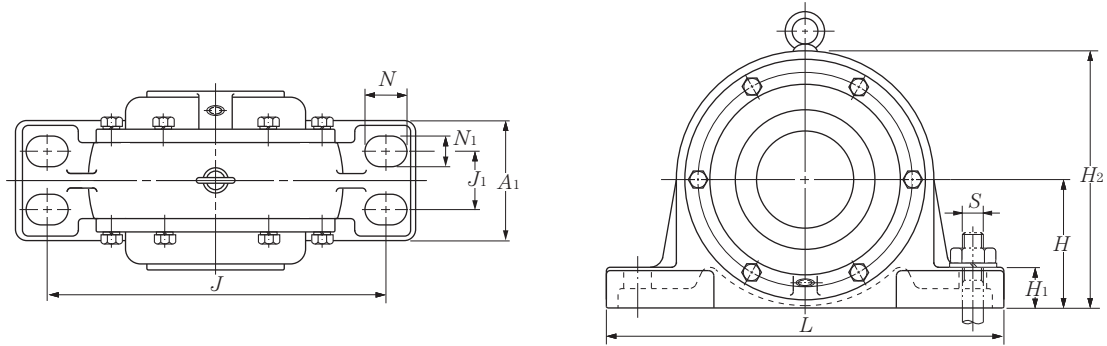
3) Dimension *X* indicates a deviation of the bearing center relative to the plummer block center, and its value is 1/2 the width of the setting washer.

4) An adaptor for bearing series 12, series H2 as well as series H3 can be used.

5) When wanting a plummer block whose bore at the shaft end side is closed, add code M1 after the plummer block nominal number.

Plummer Blocks SV5

Unit type standard / For bearing with adapter assembly

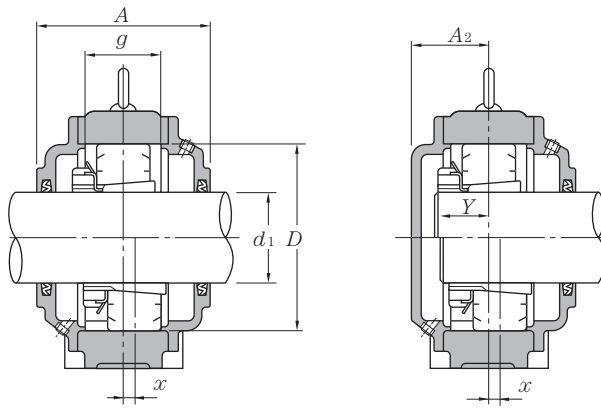


d_1 140~300mm

Shaft dia. mm d_1	Bearing numbers	BAS code ①		Nominal number		Abutment and fillet dimensions								
		main body	cover	self-aligning ball bearings	spherical roller bearings	D	H	J	J_1	mm N_1 N		L nominal number	A nominal number	A_1
140	SV532	V290	290C		22232EAKD1 23232EMKD1	290	190	470	92	29	50	560	250	170
150	SV534	V310	310C		22234EMKD1 23234EMKD1	310	200	560	92	29	50	660	258	180
160	SV536	V320	320C		22236EMKD1 23236EMKD1	320	200	560	92	29	50	660	258	180
170	SV538	V340	340C		22238EMKD1 23238EMKD1	340	212	580	104	33	54	680	300	190
180	SV540	V360	360C		22240EMKD1 23240EMKD1	360	224	610	130	33	54	740	300	224
200	SV544	V400	400C		22244EMKD1 23244EMKD1	400	250	680	148	36	60	820	330	250
220	SV548	V440	440C		22248EMKD1 23248EMKD1	440	280	740	166	40	66	880	340	280
240	SV552	V480	480C		22252EMKD1 23252EMKD1	480	300	790	180	43	72	940	370	300
260	SV556	V500	500C		22256EMKD1 23256EMKD1	500	315	830	190	43	72	990	390	315
280	SV560	V540	540C		22260EMKD1 23260EMKD1	540	335	890	200	46	78	1 060	410	335
300	SV564	V580	580C		22264EMKD1 23264EMKD1	580	355	930	215	49	84	1 110	440	355

- ① The Japan Bearing Industrial Association Standard
- ② The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
- ③ Dimension Y is an approximate distance from the bearing center to the shaft end for shaft end configuration.

NOTE: 1) Sizes SV520 and greater are equipped with lifting eye bolts.
2) Fill and drain plugs size: SV505-SV520……PT1/8
SV522-SV532……PT1/4



Abutment and fillet dimensions					Approx. <i>S</i> nominal number	Mass kg (approx.)	Adapter	Nominal number		Approx. mm <i>Y</i> ³⁾	Seal number	shaft dia. mm <i>d</i> ₁
<i>g</i>	mm		<i>H</i> ₁	<i>H</i> ₂				setting washer ²⁾	number			
113	112	60	375	M24	4	76	H3132 H2332	SR290X16.5 SR290X 9	2 1	71 83	ZF32	140
122	116	65	405	M24	4	89	H3134 H2334	SR310X18 SR310X12	2 1	75 87	ZF34	150
122	116	65	405	M24	4	100	H3136 H2336	SR320X18 SR320X10	2 1	76 89	ZF36	160
130	137	65	425	M27	4	110	H3138 H2338	SR340X19 SR340X10	2 1	80 94	ZF38	170
138	136	85	450	M27	4	130	H3140 H2340	SR360X20 SR360X10	2 1	84 99	ZF40	180
154	151	95	500	M30	4	196	H3144 H2344	SR400X23 SR400X10	2 1	90 108	ZF44	200
170	156	100	560	M33	4	260	H3148 H2348	SR440X25 SR440X10	2 1	98 118	ZF48	220
184	173	105	600	M36	4	318	H3152 H2352	SR480X27 SR480X10	2 1	105 127	ZF52	240
186	185	110	630	M36	4	336	H3156 H2356	SR500X28 SR500X10	2 1	107 130	ZF56	260
202	196	115	670	M39	4	433	H3160 H2360	SR540X31 SR540X10	2 1	114 160	ZF60	280
218	211	120	710	M42	4	507	H3164 H2364	SR580X34 SR580X10	2 1	122 151	ZF64	300

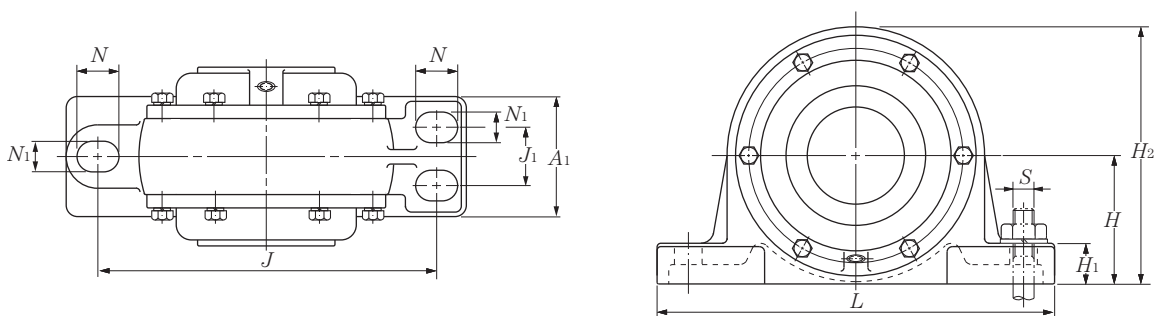
3) Dimension *X* indicates a deviation of the bearing center relative to the plummer block center, and its value is 1/2 the width of the setting washer.

4) An adaptor for bearing series 12, series H2 as well as series H3 can be used.

5) When wanting a plummer block whose bore at the shaft end side is closed, add code M1 after the plummer block nominal number.

Plummer Blocks SV2

Unit type, stepped bore type / For cylindrical bore bearing



d_1 25~110mm

Shaft dia.			Bearing numbers	BAS code ①		Nominal number		Abutment and fillet dimensions								
mm	d_2	d_3		main body	cover	Self-aligning ball bearings	spherical roller bearings	D	H	J	J_1	mm	N_1	N	L	A
25	20	30	SV205	V052	052C	1205S 2205S	—	52	45	130	—	16	20	165	73	46
30	25	35	SV206	V062	062C	1206S 2206S	—	62	50	150	—	16	20	185	80	52
35	30	45	SV207	V072	072C	1207S 2207S	—	72	56	150	—	16	20	185	85	52
40	35	50	SV208	V080	080C	1208S 2208S	— 22208EAD1	80	60	170	—	16	20	205	95	60
45	40	55	SV209	V085	085C	1209S 2209S	— 22209EAD1	85	63	170	—	16	23	205	98	60
50	45	60	SV210	V090	090C	1210S 2210S	— 22210EAD1	90	67	170	—	16	23	205	100	60
55	50	65	SV211	V100	100C	1211S 2211S	— 22211EAD1	100	71	210	—	16	23	255	106	70
60	55	70	SV212	V110	110C	1212S 2212S	— 22212EAD1	110	80	210	—	21	25	255	112	70
65	60	75	SV213	V120	120C	1213S 2213S	— 22213EAD1	120	85	230	—	21	25	275	118	80
70	60	80	SV214	V125	125C	1214S 2214S	— 22214EAD1	125	90	230	—	21	25	280	118	80
75	65	85	SV215	V130	130C	1215S 2215S	— 22215EAD1	130	90	230	—	21	25	280	118	80
80	70	90	SV216	V140	140C	1216S 2216S	— 22216EAD1	140	100	260	—	25	30	315	136	90
85	75	95	SV217	V150	150C	1217S 2217S	— 22217EAD1	150	100	260	—	25	30	315	140	90
90	80	100	SV218	V160	160C	1218S 2218S	— 22218EAD1 23218EMD1	160	112	290	—	25	30	345	150	100
95	85	110	SV219	V170	170C	1219S 2219S	— 22219EAD1	170	112	290	—	25	30	345	165	100
100	90	115	SV220	V180	180C	1220S 2220S	— 22220EAD1 23220EMD1	180	125	320	56	23	32	380	170	110
110	100	125	SV222	V200	200C	1222S 2222S	— 22222EAD1 23222EMD1	200	132	350	60	23	32	410	190	120

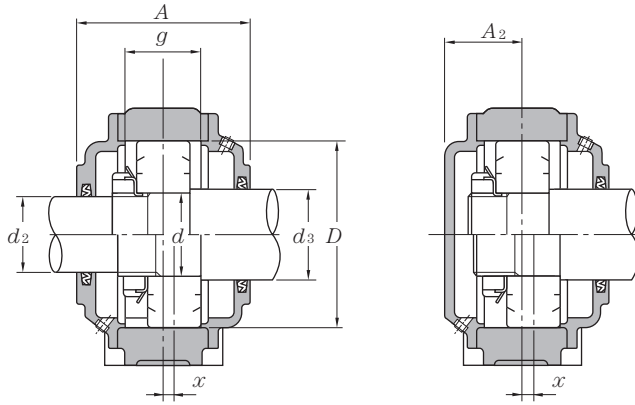
① The Japan Bearing Industrial Association Standard

② The numeral in nominal number of the setting ring represents the outside diameter and width dimension.

③ Dimension Y is an approximate distance from the bearing center to the shaft end for shaft end configuration.

NOTE: 1) Sizes SV220 and greater are equipped with lifting eye bolts.

2) Fill and drain plugs size: SV205-SV220……PT1/8
SV222-SV232……PT1/4

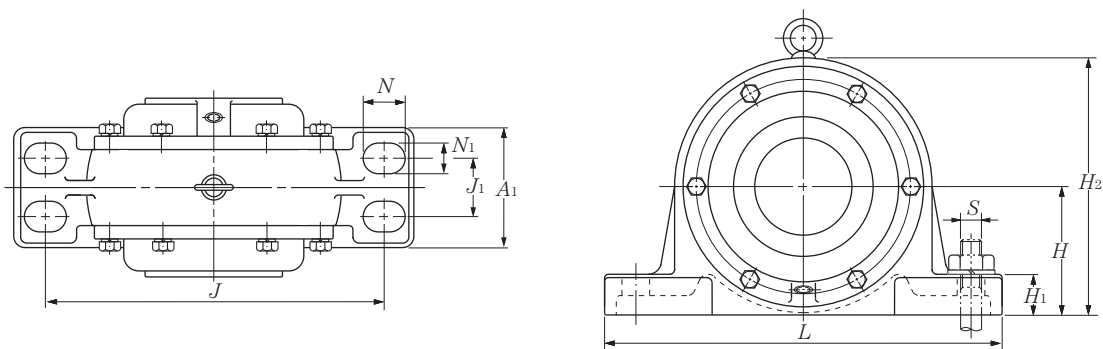


Abutment and fillet dimensions					Approx. S nominal number	Mass kg (approx.)	Nominal number				Approx. mm Y ^③	Seal number		shaft dia. mm d ₁
g	mm			setting washer ^②			number	nut	washer	(d ₂)		(d ₃)		
27	31	22	85	M14	2	2.0	SR 52X 6 SR 52X 9	2 1	AN05	AW05	17 19	ZF 5	ZF 7	25
30	34	22	95	M14	2	2.6	SR 62X 7 SR 62X10	2 1	AN06	AW06	18 20	ZF 6	ZF 8	30
33	37.5	22	106	M14	2	3.1	SR 72X 8 SR 72X10	2 1	AN07	AW07	19 22	ZF 7	ZF10	35
37	40.5	25	118	M14	2	4.3	SR 80X 9.5 SR 80X 7	2 2	AN08	AW08	21 23	ZF 8	ZF11	40
39	42.5	25	125	M14	2	4.3	SR 85X10 SR 85X 8	2 2	AN09	AW09	22 24	ZF 9	ZF12	45
39	42.5	25	128	M14	2	4.6	SR 90X 9.5 SR 90X 8	2 2	AN10	AW10	24 25	ZF10	ZF13	50
42	47	28	140	M14	2	5.5	SR100X10.5 SR100X 8.5	2 2	AN11	AW11	25 27	ZF11	ZF15	55
46	47	30	155	M18	2	6.5	SR110X12 SR110X 9	2 2	AN12	AW12	26 29	ZF12	ZF16	60
49	50	30	165	M18	2	9.5	SR120X13 SR120X 9	2 2	AN13	AW13	28 32	ZF13	ZF17	65
50	50	30	175	M18	2	10	SR125X13 SR125X 9.5	2 2	AN14	AW14	28 32	ZF13	ZF18	70
50	50	30	175	M18	2	10	SR130X12.5 SR130X 9.5	2 2	AN15	AW15	30 33	ZF15	ZF19	75
56	58	32	195	M22	2	14	SR140X15 SR140X11.5	2 2	AN16	AW16	32 36	ZF16	ZF20	80
56	60	32	195	M22	2	15	SR150X14 SR150X10	2 2	AN17	AW17	34 38	ZF17	ZF21	85
62	65	35	224	M22	2	20	SR160X16 SR160X11 SR160X 9.6	2 2 1	AN18	AW18	35 40 46	ZF18	ZF22	90
62	72.5	35	224	M22	2	20	SR170X15 SR170X 9.5	2 2	AN19	AW19	37 43	ZF19	ZF24	95
70	75	40	243	M20	4	26	SR180X18 SR180X12 SR180X 9.7	2 2 1	AN20	AW20	39 45 52	ZF20	ZF26	100
82	82	45	265	M20	4	30	SR200X22 SR200X14.5 SR200X12.2	2 2 1	AN22	AW22	42 50 58	ZF22	ZF28	110

3) Dimension X indicates a deviation of the bearing center relative to the plummer block center, and its value is 1/2 the width of the setting washer.
 4) When wanting a plummer block whose bore at the shaft end side is closed, add code M1 after the plummer block nominal number.

Plummer Blocks SV2

Unit type, stepped bore type / For cylindrical bore bearing

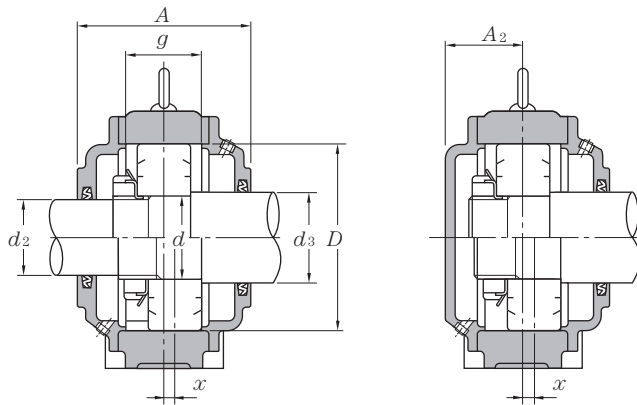


d_1 120~320mm

Shaft dia.			Bearing numbers	BAS code ①		Nominal number		Abutment and fillet dimensions								
mm	d_2	d_3		main body	cover	Self-aligning ball bearings	spherical roller bearings	D	H	J	J_1	mm		L	A	A_1
d											N_1	N				
120	110	135	SV224	V215	215C	—	22224EAD1 23224EMD1	215	140	350	60	23	32	410	190	120
130	115	145	SV226	V230	230C	—	22226EAD1 23226EMD1	230	150	380	65	23	32	450	200	130
140	125	155	SV228	V250	250C	—	22228EAD1 23228EMD1	250	160	420	80	23	32	500	218	150
150	135	165	SV230	V270	270C	—	22230EAD1 23230EMD1	270	170	450	92	29	42	540	236	160
160	140	175	SV232	V290	290C	—	22232EAD1 23232EMD1	290	190	470	92	29	50	560	250	170
170	150	190	SV234	V310	310C	—	22234EMD1 23234EMD1	310	200	560	92	29	50	660	258	180
180	160	200	SV236	V320	320C	—	22236EMD1 23236EMD1	320	200	560	92	29	50	660	258	180
190	170	210	SV238	V340	340C	—	22238EMD1 23238EMD1	340	212	580	104	33	54	680	300	190
200	180	230	SV240	V360	360C	—	22240EMD1	360	224	610	130	33	54	740	300	224
220	200	250	SV244	V400	400C	—	22244EMD1	400	250	680	148	36	60	820	330	250
240	220	260	SV248	V440	440C	—	22248EMD1	440	280	740	166	40	66	880	340	280
260	240	280	SV252	V480	480C	—	22252EMD1	480	300	790	180	43	72	940	370	300
280	260	300	SV256	V500	500C	—	22256EMD1	500	315	830	190	43	72	990	390	315
300	280	320	SV260	V540	540C	—	22260EMD1	540	335	890	200	46	78	1 060	410	335
320	300	340	SV264	V580	580C	—	22264EMD1	580	355	930	215	49	84	1 110	440	355

- ① The Japan Bearing Industrial Association Standard
- ② The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
- ③ Dimension Y is an approximate distance from the bearing center to the shaft end for shaft end configuration.

NOTE: 1) Sizes SV220 and greater are equipped with lifting eye bolts.
 2) Fill and drain plugs size: SV205-SV220……PT1/8
 SV222-SV232……PT1/4



Abutment and fillet dimensions					Approx. S nominal number	Mass kg (approx.)	Nominal number				Approx. mm Y ^③	Seal number		shaft dia. mm d ₁
g	mm A ₂ H ₁ H ₂		setting washer ^② number				nut	washer	(d ₂)	(d ₃)				
82	82	45	280	M20	4	36	SR215X12 SR215X 6	2 1	AN24	AW24	53 62	ZF24	ZF30	120
86	87	50	300	M20	4	44	SR230X11 SR230X 6	2 1	AN26	AW26	57 65	ZF26	GS33	130
94	96	50	315	M20	4	52	SR250X13 SR250X 6	2 1	AN28	AW28	60 70	ZF28	GS35	140
103	105	60	335	M24	4	62	SR270X15 SR270X 7	2 1	AN30	AW30	65 76	ZF30	GS37	150
113	112	60	375	M24	4	75	SR290X16.5 SR290X 9	2 1	AN32	AW32	71 83	ZF32	GS39	160
122	116	65	405	M24	4	87	SR310X18 SR310X12	2 1	AN34	AW34	75 87	ZF34	ZF42	170
122	116	65	405	M24	4	98	SR320X18 SR320X10	2 1	AN36	AW36	76 89	ZF36	ZF44	180
130	137	65	425	M27	4	110	SR340X19 SR340X10	2 1	AN38	AW38	80 94	ZF38	ZF46	190
138	136	85	450	M27	4	130	SR360X20	2	AN40	AW40	84	ZF40	GS50	200
154	151	95	500	M30	4	196	SR400X23	2	AN44	AL44	90	ZF44	ZF54	220
170	156	100	560	M33	4	260	SR440X25	2	AN48	AL44	98	ZF48	ZF56	240
184	173	105	600	M36	4	318	SR480X27	2	AN52	AL52	105	ZF52	ZF60	260
186	185	110	630	M36	4	336	SR500X28	2	AN56	AL52	107	ZF56	ZF64	280
202	196	115	670	M39	4	433	SR540X31	2	AN60	AL60	114	ZF60	ZF68	300
218	211	120	710	M42	4	507	SR580X34	2	AN64	AL64	122	ZF64	GS72	320

3) Dimension X indicates a deviation of the bearing center relative to the plummer block center, and its value is 1/2 the width of the setting washer.

4) When wanting a plummer block whose bore at the shaft end side is closed, add code M1 after the plummer block nominal number.