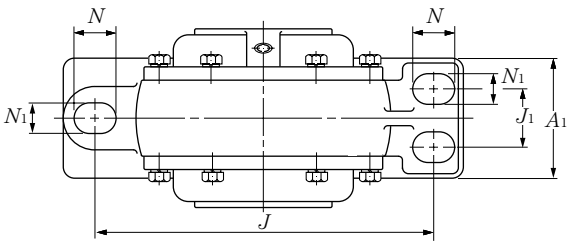
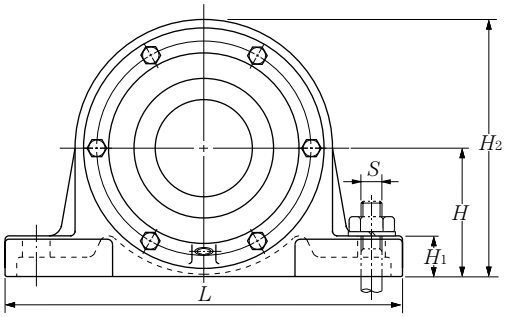
Unit type standard / For bearing with adapter assembly



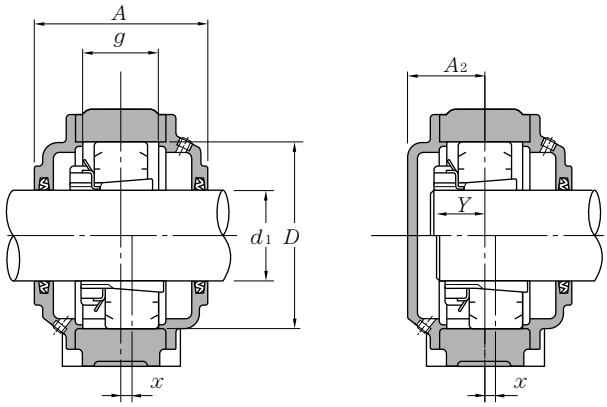


d_1 **20～135mm**

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

❶ The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
❷ The Japan Bearing Industrial Association Standard
❸ 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) 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.
3) An adaptor for bearing series 12, series H2 as well as series H3 can be used.

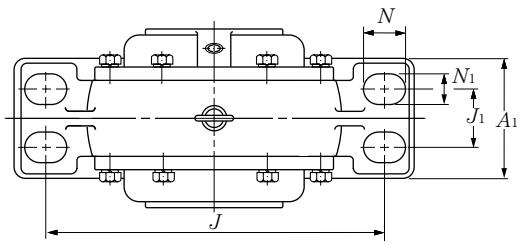


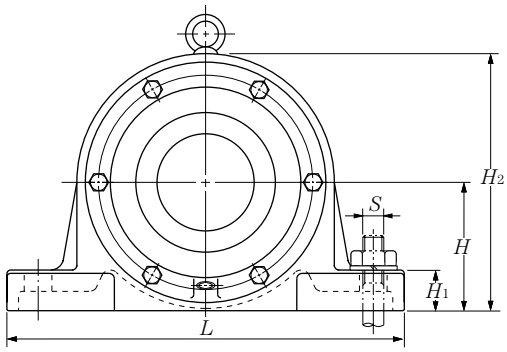
Abutment and fillet dimensions						Mass	Nominal number		Approx.	Seal number	shaft dia.
mm				Approx. S		kg	Adapter	setting washer ❶	mm		mm
g	A_2	H_1	H_2	nominal number	number			number	Y ❸		d_1
27	31	22	85	M14	2	2.1	H205X H305X	SR 52X 6 SR 52X 9	2 1	17 19	ZF5	**20**
30	34	22	95	M14	2	2.7	H206X H306X	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**

4) Fill and drain plugs:
Size: SV505-SV520……PT1/8
SV522-SV532……PT1/4

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

Unit type standard / For bearing with adapter assembly



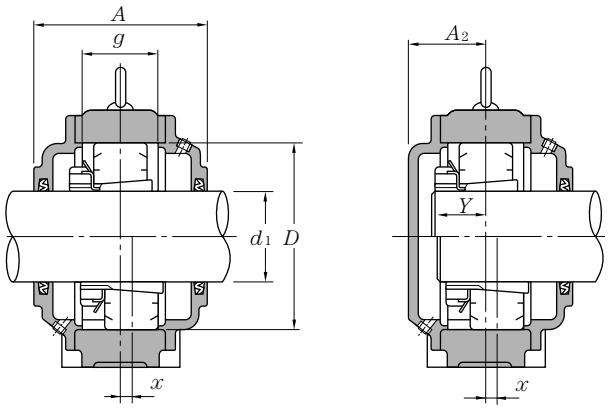


d_1 140～300mm

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

❶ The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
❷ The Japan Bearing Industrial Association Standard
❸ 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) 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.
3) An adaptor for bearing series 12, series H2 as well as series H3 can be used.

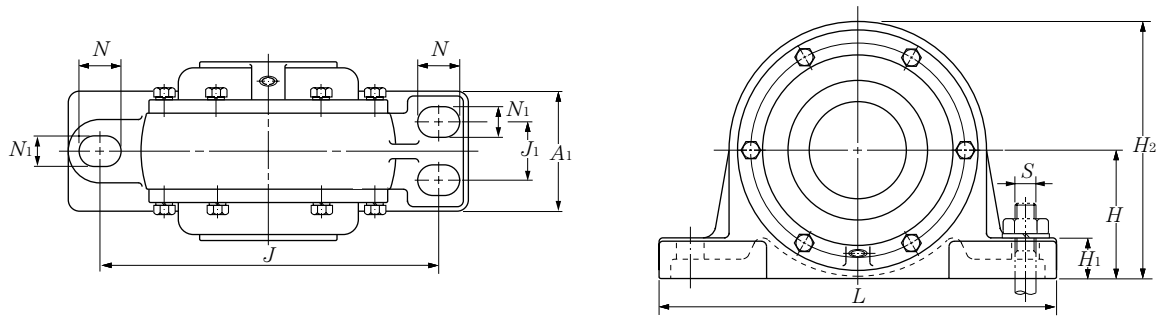


Abutment and fillet dimensions						Mass	Nominal number		Approx.	Seal number	shaft dia.
mm				Approx. S		kg	Adapter	setting washer ❶		mm		mm
g	A_2	H_1	H_2	nominal number	number				number	Y ❸		d_1
113	112	60	375	M24	4	76	H3132 H2332	SR290X16.5 SR290X 9	2 1	71 83	ZF32	**140**
122	116	65	405	M24	4	89	H3134 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**

4) Fill and drain plugs:
Size: SV505-SV520……PT1/8
SV522-SV532……PT1/4

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

Unit type, stepped bore type / For cylindrical bore bearing

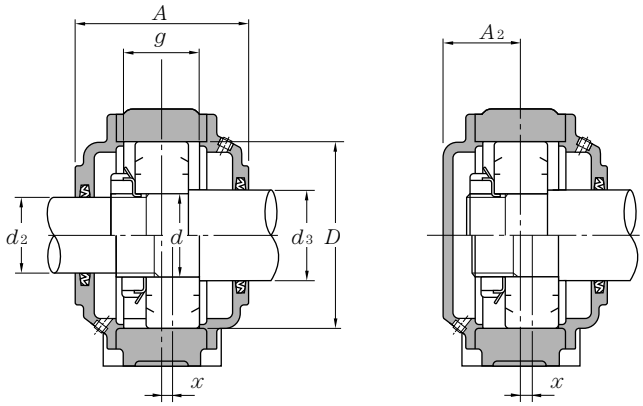


d_1 **25～110mm**

Shaft dia. mm d	d_2	d_3	Bearing numbers	BAS code ❷ main body	cover	Nominal number Self-aligning ball bearings	spherical roller bearings	Abutment and fillet dimensions mm D	H	J	J_1	N_1	N	L	A	A_1
25	20	30	**SV205**	V052	052C	1205 2205	— —	52	45	130	—	16	20	165	73	46
30	25	35	**SV206**	V062	062C	1206 2206	— —	62	50	150	—	16	20	185	80	52
35	30	45	**SV207**	V072	072C	1207 2207	— —	72	56	150	—	16	20	185	85	52
40	35	50	**SV208**	V080	080C	1208 2208	— 22208C	80	60	170	—	16	20	205	95	60
45	40	55	**SV209**	V085	085C	1209 2209	— 22209C	85	63	170	—	16	23	205	98	60
50	45	60	**SV210**	V090	090C	1210 2210	— 22210C	90	67	170	—	16	23	205	100	60
55	50	65	**SV211**	V100	100C	1211 2211	— 22211B 22211E	100	71	210	—	16	23	255	106	70
60	55	70	**SV212**	V110	110C	1212 2212	— 22212B 22212E	110	80	210	—	21	25	255	112	70
65	60	75	**SV213**	V120	120C	1213 2213	— 22213B 22213E	120	85	230	—	21	25	275	118	80
70	60	80	**SV214**	V125	125C	1214 2214	— 22214B 22214E	125	90	230	—	21	25	280	118	80
75	65	85	**SV215**	V130	130C	1215 2215	— 22215B 22215E	130	90	230	—	21	25	280	118	80
80	70	90	**SV216**	V140	140C	1216 2216	— 22216B 22216E	140	100	260	—	25	30	315	136	90
85	75	95	**SV217**	V150	150C	1217 2217	— 22217B 22217E	150	100	260	—	25	30	315	140	90
90	80	100	**SV218**	V160	160C	1218 2218	— 22218B 23218B 23218E	160	112	290	—	25	30	345	150	100
95	85	110	**SV219**	V170	170C	1219 2219	— 22219B	170	112	290	—	25	30	345	165	100
100	90	115	**SV220**	V180	180C	1220 2220	— 22220B 23220B	180	125	320	56	23	32	380	170	110
110	100	125	**SV222**	V200	200C	1222 2222	— 22222B 23222B	200	132	350	60	23	32	410	190	120

❶ The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
❷ The Japan Bearing Industrial Association Standard
❸ 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) 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.

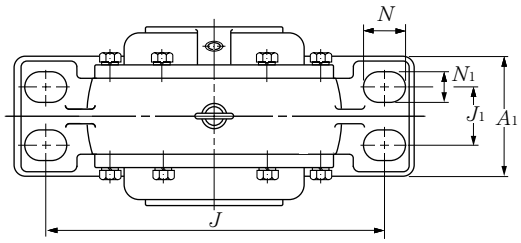


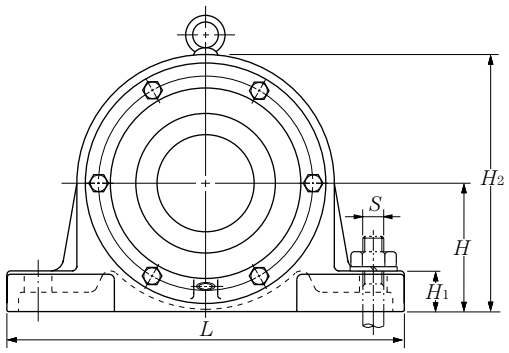
Abutment and fillet dimensions						Mass	Nominal number				Approx.	Seal number		shaft dia.
mm				Approx. S		kg	setting washer ❶		nut	washer	mm			mm
g	A_2	H_1	H_2	nominal number	number			number			Y ❸	(d_2)	(d_3)	d_1
27	31	22	85	M14	2	2.0	SR 52X 6 SR 52X 9	2 1	AN05	AW05	17 19	ZF 5	ZF 7	**25**
30	34	22	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	SR160X15 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) Fill and drain plugs:
Size: SV205-SV220……PT1/8
SV222-SV232……PT1/4

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

Unit type, stepped bore type / For cylindrical bore bearing



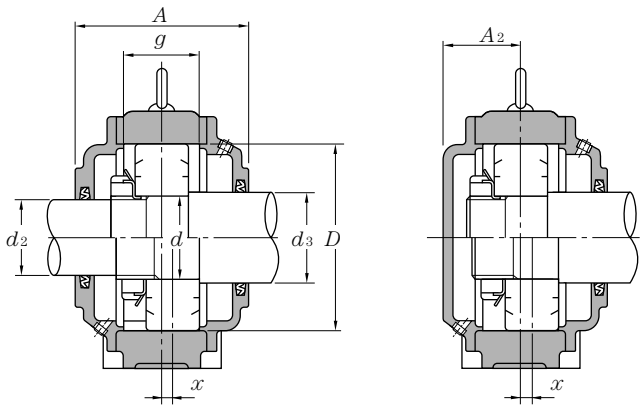


d_1 **120～320mm**

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

❶ The numeral in nominal number of the setting ring represents the outside diameter and width dimension.
❷ The Japan Bearing Industrial Association Standard
❸ 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) 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.



Abutment and fillet dimensions						Mass	Nominal number				Approx.	Seal number		shaft dia.
mm				Approx. S		kg	setting washer ❶		nut	washer	mm			mm
g	A_2	H_1	H_2	nominal number	number			number			Y ❸	(d_2)	(d_3)	d_1
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**

add code M1 after the plummer block nominal number.

3) Fill and drain plugs:
Size: SV205-SV220……PT1/8
SV222-SV232……PT1/4
4) When wanting a plummer block whose bore at the shaft end side is closed,