



Stamped Steel 3-Bolt Flange Cartridge Units

SBPF
Cylindrical bore
(with set screws)
 d 12 ~ 35 mm

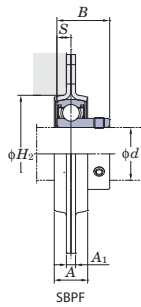
SAPF
Cylindrical bore
(with eccentric locking collar)



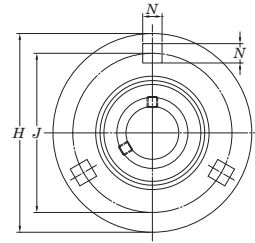
SBPF



SAPF

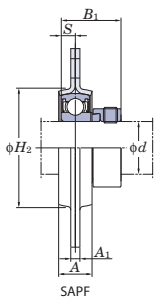


SBPF



Shaft Dia		Dimensions								Bolt Size	Unit No.	Bearing No.	
mm	inch	inch mm											
d		H	A	A_1	J	N	H_2	S	SBPF B	SAPF B_1	inch mm		
12	$1/2$	$3 \frac{3}{16}$	$9/16$	$5/32$	$2 \frac{1}{2}$	$9/32$	$1 \frac{15}{16}$	0.236	0.866	1.122	$1/4$	SBPF201 SBPF201-8	SB201 SB201-8
	$5/8$	81	14	4	63.5	7.1	49	6	22	28.5	M6	SBPF202 SBPF202-10	SB202 SB202-10
15	$3/4$	$3 \frac{17}{32}$	$5/8$	$5/32$	$2 \frac{13}{16}$	$23/64$	$2 \frac{5}{32}$	0.276	0.984	1.161	$5/16$	SBPF203	SB203
	$7/8$	90	16	4	71.5	9	55	7	25	29.5	M8	SBPF204-12 SBPF204	SB204-12 SB204
17	$15/16$	$3 \frac{3}{4}$	$23/32$	$5/32$	$2 \frac{63}{64}$	$23/64$	$2 \frac{3}{8}$	0.295	1.063	1.201	$5/16$	SBPF205-14 SBPF205-15	SB205-14 SB205-15
	1	95	18	4	76	9	60	7.5	27	30.5	M8	SBPF205 SBPF205-16	SB205 SB205-16
20	$1 \frac{1}{8}$	$4 \frac{7}{16}$	$3/4$	$13/64$	$3 \frac{9}{16}$	$7/16$	$2 \frac{25}{32}$	0.315	1.181	1.335	$3/8$	SBPF206-18 SBPF206	SB206-18 SB206
	$1 \frac{3}{16}$	113	19	5.2	90.5	11	71	8	30	33.9	M10	SBPF206-19 SBPF206-20	SB206-19 SB206-20
25	$1 \frac{1}{4}$	$4 \frac{13}{16}$	$7/8$	$13/64$	$3 \frac{15}{16}$	$7/16$	$3 \frac{3}{16}$	0.335	1.260	1.437	$3/8$	SBPF207-20 SBPF207-22	SB207-20 SB207-22
	$1 \frac{5}{16}$	122	22	5.2	100	11	81	8.5	32	36.5	M10	SBPF207 SBPF207-23	SB207 SB207-23

Note 1) H_2 is the minimum size of the mounting hole.



Variations of tolerance of distance between centers of bolt holes (ΔL_s)

Housing No.	Unit: mm ΔL_s
PF203~PF207	± 0.4

Variations of tolerance of bolt hole diameter (ΔD_s)

Housing No.	Unit: mm ΔD_s
PF203~PF207	± 0.25

	Unit No.	Bearing No.	Housing No.	Basic Load Ratings kN		Factor f_0	Mass kg	
				C_r	C_{0r}		SBPF	SAPF
	SAPF201	SA201	PF203	9.55	4.80	13.2	0.27	0.3
	SAPF201-8	SA201-8						
	SAPF202	SA202						
	SAPF202-10	SA202-10	PF204	12.8	6.65	13.2	0.33	0.33
	SAPF203	SA203						
	SAPF204-12	SA204-12	PF205	14.0	7.85	13.9	0.38	0.42
	SAPF204	SA204						
	SAPF205-14	SA205-14	PF206	19.5	11.3	13.9	0.62	0.65
	SAPF205-15	SA205-15						
	SAPF205	SA205						
	SAPF205-16	SA205-16	PF207	25.7	15.4	13.9	0.82	0.9
	SAPF206-18	SA206-18						
	SAPF206	SA206	PF207	25.7	15.4	13.9	0.82	0.9
	SAPF206-19	SA206-19						
	SAPF206-20	SA206-20	PF207	25.7	15.4	13.9	0.82	0.9
	SAPF207-20	SA207-20						
	SAPF207-21	SA207-21	PF207	25.7	15.4	13.9	0.82	0.9
	SAPF207-22	SA207-22						
	SAPF207	SA207	PF207	25.7	15.4	13.9	0.82	0.9
	SAPF207-23	SA207-23						

Remark For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.



Stamped Steel 2-Bolt Flange Units

SBPFL
Cylindrical bore
(with set screws)
 d 12 ~ 35 mm

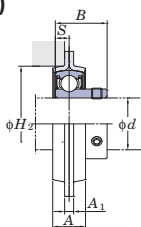
SAPFL
Cylindrical bore
(with eccentric locking collar)



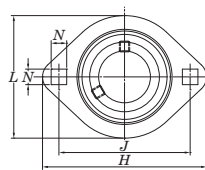
SBPFL



SAPFL

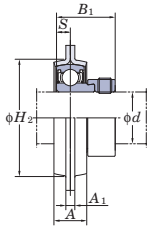


SBPFL



Shaft Dia mm inch	Dimensions inch mm									SBPFL B	SAPFL B ₁	Bolt Size inch mm	Unit No.	Bearing No.
	H	L	A	A ₁	J	N	H ₂	S						
12													SBPFL201	SB201
15	1/2	3 3/16	2 5/16	9/16	5/32	2 1/2	9/32	1 15/16	0.236	0.866	1.122	1/4	SBPFL201-8	SB201-8
	5/8	81	59	14	4	63.5	7.1	49	6	22	28.5	M6	SBPFL202	SB202
17													SBPFL202-10	SB202-10
													SBPFL203	SB203
20	3/4	3 17/32	2 5/8	5/8	5/32	2 13/16	23/64	2 5/32	0.276	0.984	1.161	5/16	SBPFL204-12	SB204-12
		90	67	16	4	71.5	9	55	7	25	29.5	M8	SBPFL204	SB204
25	7/8	3 3/4	2 25/32	23/32	5/32	2 63/64	23/64	2 3/8	0.295	1.063	1.201	5/16	SBPFL205-14	SB205-14
	15/16	95	71	18	4	76	9	60	7.5	27	30.5	M8	SBPFL205-15	SB205-15
30	1												SBPFL205	SB205
	1 1/8	4 7/16	3 5/16	3/4	13/64	3 9/16	7/16	2 25/32	0.315	1.181	1.335	3/8	SBPFL205-16	SB205-16
35	1 3/16												SBPFL206-18	SB206-18
	1 1/4	113	84	19	5.2	90.5	11	71	8	30	33.9	M10	SBPFL206	SB206
35	1 5/16	4 13/16	3 11/16	7/8	13/64	3 15/16	7/16	3 3/16	0.335	1.260	1.437	3/8	SBPFL206-19	SB206-19
	1 3/8	122	94	22	5.2	100	11	81	8.5	32	36.5	M10	SBPFL206-20	SB206-20
35	1 7/16												SBPFL207-20	SB207-20
													SBPFL207-22	SB207-22
													SBPFL207	SB207
													SBPFL207-23	SB207-23

Note 1) H₂ is the minimum size of the mounting hole.



SAPFL

Variations of tolerance of distance between centers of bolt holes (ΔL_{fs})

Housing No.	Unit: mm ΔL_{fs}
PFL203~PFL207	± 0.4

Variations of tolerance of bolt hole diameter (ΔL_{fs})

Housing No.	Unit: mm ΔL_{fs}
PFL203~PFL207	± 0.25

Unit No.	Bearing No.	Housing No.	Basic Load Ratings kN		Factor f_0	Mass kg	
			C_r	C_{0r}		SBPFL	SAPFL
SAPFL201	SA201	PFL203	9.55	4.80	13.2	0.19	0.22
SAPFL201-8	SA201-8						
SAPFL202	SA202						
SAPFL202-10	SA202-10	PFL204	12.8	6.65	13.2	0.24	0.24
SAPFL203	SA203						
SAPFL204-12	SA204-12	PFL205	14.0	7.85	13.9	0.28	0.32
SAPFL204	SA204						
SAPFL205-14	SA205-14						
SAPFL205-15	SA205-15	PFL206	19.5	11.3	13.9	0.38	0.41
SAPFL205	SA205						
SAPFL205-16	SA205-16						
SAPFL206-18	SA206-18	PFL207	25.7	15.4	13.9	0.66	0.74
SAPFL206	SA206						
SAPFL206-19	SA206-19						
SAPFL206-20	SA206-20	PFL207	25.7	15.4	13.9	0.66	0.74
SAPFL207-20	SA207-20						
SAPFL207-21	SA207-21						
SAPFL207-22	SA207-22						
SAPFL207	SA207						
SAPFL207-23	SA207-23						

Remark For the dimensions and forms of applicable bearings, see the dimensional tables of ball bearing for unit.