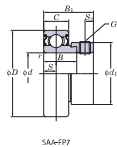
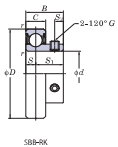


Ball Bearing Inserts

SBB-RK
Cylindrical bore
(with set screws)
Cylindrical O. D.
d 12 ~ 55 mm

SAA-FP7
Cylindrical bore
(with eccentric locking collar)
Cylindrical O. D.



Shaft Dia. mm inch	Dimensions										Basic Load Ratings			Factor	Bearing No.	Dimensions						Set Screw Brg. Bore		Mass				
	d	D	B	B ₁	C	r (min.)	C _u	C ₀	f _s	S	S ₁	S ₂	d ₁			mm	inch	kg										
12	40	15.75	22	0.866	—	—	12	0.472	0.6	0.024	9.55	4.80	13.2	SBB201RK	6	0.236	16	0.630	4	0.157	—	—	M5x0.5	—	0.10			
—	40	15.75	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2	SAA201FP7	6.5	0.256	16	0.630	4.8	0.189	28.6	1.126	—	—	M6x0.75	—	0.13	
—	1/2	40	1.575	22	0.866	—	—	12	0.472	0.6	0.024	9.55	4.80	13.2	SBB201-8RK	6	0.236	16	0.630	4	0.157	—	—	No.10-32UNF	—	0.10		
—	1/2	40	1.575	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2	SAA201-8FP7	6.5	0.256	16	0.630	4.8	0.189	28.6	1.126	—	—	M5x0.5	—	0.10
15	40	15.75	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2	SBB202RK	6.5	0.256	16	0.630	4.8	0.189	28.6	1.126	—	—	M6x0.75	—	0.13	
—	1/2	40	1.575	22	0.866	—	—	12	0.472	0.6	0.024	9.55	4.80	13.2	SAA202-10RK	6	0.236	16	0.630	4	0.157	—	—	No.10-32UNF	—	0.10		
17	40	15.75	22	0.866	—	—	12	0.472	0.6	0.024	9.55	4.80	13.2	SBB203RK	6	0.236	16	0.630	4	0.157	—	—	M5x0.5	—	0.10			
—	1/2	40	1.575	19.1	0.752	28.6	1.126	13	0.512	0.6	0.024	9.55	4.80	13.2	SAA203FP7	6.5	0.256	16	0.630	4.8	0.189	28.6	1.126	—	—	M6x0.75	—	0.13
—	3/4	47	1.850	25	0.984	—	—	14	0.551	1	0.039	12.8	6.65	13.2	SBB204-12RK	7	0.276	18	0.709	5	0.197	—	—	1/2-28UNF	—	0.15		
—	3/4	47	1.850	21.5	0.846	31	1.220	15	0.591	1	0.039	12.8	6.65	13.2	SAA204-12FP7	7.5	0.295	18	0.709	4.8	0.189	33.3	1.311	—	—	1/2-28UNF	—	0.19
20	47	1.850	25	0.984	—	—	14	0.551	1	0.039	12.8	6.65	13.2	SBB204RK	7	0.276	18	0.709	5	0.197	—	—	M6x0.75	—	0.15			
—	3/4	47	1.850	21.5	0.846	31	1.220	15	0.591	1	0.039	12.8	6.65	13.2	SAA204FP7	7.5	0.295	18	0.709	4.8	0.189	33.3	1.311	—	—	M6x0.75	—	0.19
—	1/2	52	2.047	27	1.063	—	—	15	0.591	1	0.039	14.0	7.85	13.9	SBB205-18RK	7.5	0.295	19.5	0.768	5.5	0.217	—	—	1/2-28UNF	—	0.18		
—	1/2	52	2.047	27	1.063	—	—	15	0.591	1	0.039	14.0	7.85	13.9	SAA205-18RK	7.5	0.295	19.5	0.768	5.5	0.217	—	—	1/2-28UNF	—	0.18		
—	1/2	52	2.047	21.5	0.846	31	1.220	15	0.591	1	0.039	14.0	7.85	13.9	SAA205-1FP7	7.5	0.295	19.5	0.768	4.8	0.189	38.1	1.500	—	—	1/2-28UNF	—	0.23
25	52	2.047	27	1.063	—	—	15	0.591	1	0.039	14.0	7.85	13.9	SBB205RK	7.5	0.295	19.5	0.768	5.5	0.217	—	—	M6x0.75	—	0.18			
—	1	52	2.047	21.5	0.846	31	1.220	15	0.591	1	0.039	14.0	7.85	13.9	SAA205FP7	7.5	0.295	19.5	0.768	4.8	0.189	38.1	1.500	—	—	M6x0.75	—	0.23
—	1	52	2.047	21.5	0.846	31	1.220	15	0.591	1	0.039	14.0	7.85	13.9	SAA205-1FP7	7.5	0.295	19.5	0.768	4.8	0.189	38.1	1.500	—	—	1/2-28UNF	—	0.23
—	1 1/8	62	2.441	30	1.181	—	—	16	0.630	1	0.039	19.5	11.3	13.9	SBB206-18RK	8	0.315	22	0.866	6	0.236	—	—	1/2-28UNF	—	0.27		
—	1 1/8	62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9	SAA206-18FP7	9	0.354	22	0.866	6	0.236	44.5	1.752	—	—	1/2-24UNF	—	0.34
30	62	2.441	30	1.181	—	—	16	0.630	1	0.039	19.5	11.3	13.9	SBB206RK	8	0.315	22	0.866	6	0.236	—	—	M6x0.75	—	0.27			
—	1 1/8	62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9	SAA206FP7	9	0.354	22	0.866	6	0.236	44.5	1.752	—	—	M8x1	—	0.34
—	1 1/8	62	2.441	30	1.181	—	—	16	0.630	1	0.039	19.5	11.3	13.9	SBB206-19RK	8	0.315	22	0.866	6	0.236	—	—	1/2-28UNF	—	0.27		
—	1 1/8	62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9	SAA206-19FP7	9	0.354	22	0.866	6	0.236	44.5	1.752	—	—	1/2-24UNF	—	0.34
—	1 1/4	62	2.441	30	1.181	—	—	16	0.630	1	0.039	19.5	11.3	13.9	SBB206-20RK	8	0.315	22	0.866	6	0.236	—	—	1/2-28UNF	—	0.27		
—	1 1/4	62	2.441	23.8	0.937	35.7	1.406	18	0.709	1	0.039	19.5	11.3	13.9	SAA206-20FP7	9	0.354	22	0.866	6	0.236	44.5	1.752	—	—	1/2-24UNF	—	0.34
—	1 1/4	72	2.835	32	1.260	—	—	17	0.669	1.1	0.043	25.7	15.4	13.9	SBB207-20RK	8.5	0.335	23.5	0.925	6	0.236	—	—	1/2-28UNF	—	0.42		
—	1 1/4	72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SAA207-20FP7	9.5	0.374	23.5	0.925	6	0.268	55.6	2.189	—	—	1/2-24UNF	—	0.57
—	1 1/2	72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SAA207-21FP7	9.5	0.374	—	—	6.8	0.268	55.6	2.189	—	—	1/2-24UNF	—	0.57
—	1 1/2	72	2.835	32	1.260	—	—	17	0.669	1.1	0.043	25.7	15.4	13.9	SBB207-22RK	8.5	0.335	23.5	0.925	6	0.236	—	—	1/2-28UNF	—	0.42		
—	1 1/2	72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SAA207-22FP7	9.5	0.374	23.5	0.925	6	0.268	55.6	2.189	—	—	1/2-24UNF	—	0.57
35	72	2.835	32	1.260	—	—	17	0.669	1.1	0.043	25.7	15.4	13.9	SBB207RK	8.5	0.335	23.5	0.925	6	0.236	—	—	M6x0.75	—	0.42			
—	1 1/2	72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SAA207FP7	9.5	0.374	—	—	6.8	0.268	55.6	2.189	—	—	M8x1	—	0.57
—	1 1/2	72	2.835	32	1.260	—	—	17	0.669	1.1	0.043	25.7	15.4	13.9	SBB207-23RK	8.5	0.335	23.5	0.925	6	0.236	—	—	1/2-28UNF	—	0.42		
—	1 1/2	72	2.835	25.4	1.000	38.9	1.531	19	0.748	1.1	0.043	25.7	15.4	13.9	SAA207-23FP7	9.5	0.374	23.5	0.925	6	0.268	55.6	2.189	—	—	1/2-24UNF	—	0.57
—	1 3/8	80	3.150	34	1.339	—	—	18	0.709	1.3	0.043	29.1	17.8	14.0	SBB208-24RK	9	0.354	25	0.984	8	0.315	—	—	1/2-24UNF	—	0.60		
—	1 3/8	80	3.150	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	29.1	17.8	14.0	SAA208-24FP7	11	0.433	25	0.984	6.8	0.268	60.3	2.374	—	—	1/2-24UNF	—	0.75
—	1 3/8	80	3.150	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	29.1	17.8	14.0	SAA208-25FP7	11	0.433	—	—	6.8	0.268	60.3	2.374	—	—	1/2-24UNF	—	0.75
40	80	3.150	34	1.339	—	—	18	0.709	1.3	0.043	29.1	17.8	14.0	SBB208RK	9	0.354	—	—	8	0.315	—	—	M8x1	—	0.60			
—	1 3/8	80	3.150	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	29.1	17.8	14.0	SAA208FP7	11	0.433	25	0.984	6.8	0.268	60.3	2.374	—	—	M8x1	—	0.75
—	1 3/8	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SAA209-26FP7	11	0.433	—	—	6.8	0.268	63.5	2.500	—	—	1/2-24UNF	—	0.82
—	1 3/8	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SAA209-27FP7	11	0.433	—	—	6.8	0.268	63.5	2.500	—	—	1/2-24UNF	—	0.82
—	1 3/8	85	3.346	30.2	1.189	43.7	1.720	22	0.866	1.1	0.043	34.1	21.3	14.0	SAA209FP7	11	0.433	—	—	6.8	0.268	63.5	2.500	—				