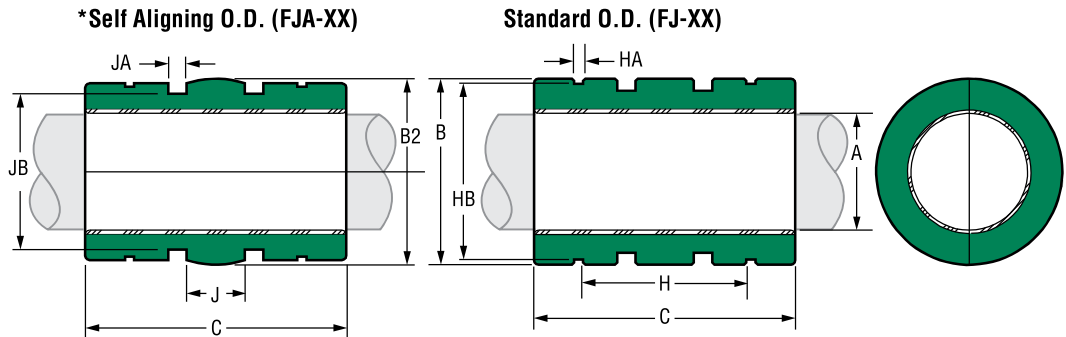




Simplicity® Linear Plain Bearings

INCH
METRIC
JIS METRIC



* Except for the O.D., bearings with the self-aligning feature have the same dimensions and tolerances as the standard bearing. There is a spherical crown on the O.D. to create the self-aligning feature. They are for use in a straight bore housing. Add an "A" to the part number for self-aligning bearings.

DIMENSIONAL INFORMATION

PRECISION I.D. SERIES SIMILAR TO PRELOADED BALL BEARING					COMPENSATED I.D. SERIES ALLOWS ADDITIONAL RUNNING CLEARANCE				STANDARD O.D.		SELF-ALIGNING O.D. FJA		C LENGTH		CONCENTRIC	BEARING WEIGHT
PART NO.		NOMINAL SIZE	A BEARING I.D.		PART NO.		A BEARING I.D.		B BEARING O.D.		B2 BEARING O.D.					
CLOSED	OPEN	MM	MIN.	MAX.	CLOSED	OPEN	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MAX.	KG.
FJ06	N/A	6	6.010	6.028	FJC 06	FJCN 06	6.06	6.078	11.989	12	11.943	11.968	18.8	19	0.0254	0.004
FJH 08	FJHN 08	8	8.013	8.035	FJCH 08	FJCHN 08	8.063	8.085	14.989	15	14.943	14.968	16.8	17	0.0254	0.005
FJ 08	FJN 08	8	8.013	8.035	FJC 08	FJCN 08	8.063	8.085	14.989	15	14.943	14.968	23.8	24	0.0254	0.008
FJ 10	FJN 10	10	10.013	10.035	FJC 10	FJCN 10	10.063	10.086	18.987	19	18.936	18.969	28.8	29	0.0254	0.015
FJ 12	FJN 12	12	12.016	12.043	FJC 12	FJCN 12	12.066	12.093	20.987	21	20.942	20.968	29.8	30	0.0254	0.018
FJ 13	FJN 13	13	13.016	13.043	FJC 13	FJCN 13	13.066	13.093	22.987	23	22.944	22.969	31.8	32	0.0254	0.024
FJ 16	FJN 16	16	16.016	16.043	FJC 16	FJCN 16	16.066	16.093	27.988	28	27.943	27.968	36.8	37	0.0254	0.039
FJ 20	FJN 20	20	20.020	20.053	FJC 20	FJCN 20	20.096	20.129	31.984	32	31.941	31.966	41.8	42	0.0254	0.052
FJ 25	FJN 25	25	25.020	25.053	FJC 25	FJCN 25	25.096	25.129	39.984	40	39.942	39.967	58.7	59	0.0254	0.119
FJ 30	FJN 30	30	30.020	30.053	FJC 30	FJCN 30	30.096	30.129	44.984	45	44.940	44.966	63.7	64	0.0254	0.149
FJ 35	FJN 35	35	35.020	35.053	FJC 35	FJCN 35	35.100	35.136	51.981	52	51.940	51.966	69.7	70	0.0254	0.212
FJ 38	FJN 38	38	38.025	38.064	FJC 38	FJCN 38	38.127	38.166	56.981	57	56.940	56.966	75.7	76	0.0254	0.284
FJ 40	FJN 40	40	40.025	40.064	FJC 40	FJCN 40	40.127	40.166	59.981	60	59.939	59.964	79.7	80	0.0254	0.333
FJ 50	FJN 50	50	50.025	50.064	FJC 50	FJCN 50	50.127	50.166	79.981	80	79.939	79.964	99.7	100	0.0254	0.823
FJ 60	FJN 60	60	60.030	60.076	FJC 60	FJCN 60	60.182	60.228	89.978	90	89.939	89.964	109.7	110	0.0254	1.024
FJ 80	FJN 80	80	80.030	80.076	FJC 80	FJCN 80	80.182	80.228	119.978	120	119.939	119.964	139.6	140	0.0380	2.359
FJ 100	FJN 100	100	100.030	100.076	FJC 100	FJCN 100	100.182	100.228	149.975	150	149.936	149.962	174.6	175	0.0510	4.651
FJ 120	FJN 120	120	120.035	120.089	FJC 120	FJCN 120	120.190	120.236	179.975	180	179.936	179.962	199.6	200	0.0510	7.706
FJ 150	FJN 150	150	150.035	150.089	FJC 150	FJCN 150	150.190	150.236	209.971	210	209.934	209.959	239.6	240	0.0510	11.104

MOUNTING DIMENSIONS

PART NO.		NOMINAL SIZE	H	HA	HB	RET. RING PART NO.	J	JA	JB	METRIC O'RING SIZE
CLOSED	OPEN	MM	BETWEEN RET. RINGS	RET. RING GRV. WIDTH	RET. RING GRV. DIA.	JIS B 2904	BETWEEN O'RING GRVS.	O'RING GRV. WIDTH	O'RING GRV. DIA.	
FJ06	N/A	6	11.3	1.15	11.5	STW - 12	4.293	2.032	9.859	9.7 x 1.3
FJH 08	FJHN08	8	9.2	1.15	14.3	STW - 15	2.540	2.362	12.243	12 x 1.7
FJ 08	FJN08	8	15.2	1.15	14.3	STW - 15	7.493	2.362	12.243	12 x 1.7
FJ 10	FJN 10	10	19.3	1.35	18.0	STW - 19	9.500	2.362	15.700	15.5 x 2
FJ 12	FJN 12	12	20.3	1.35	20.0	STW - 20	10.490	2.362	18.546	18 x 1.5
FJ 13	FJN 13	13	20.3	1.35	22.0	STW - 23	11.481	2.362	20.544	20 x 1.5
FJ 16	FJN 16	16	23.2	1.65	26.6	STW - 28	11.100	3.556	23.978	23.5 x 2.5
FJ 20	FJN 20	20	27.2	1.65	30.3	STW - 32	15.977	3.556	27.864	27.5 x 2.5
FJ 25	FJN 25	25	37.2	1.85	38.0	STW - 40	19.990	3.556	35.865	35.5 x 2.5
FJ 30	FJN 30	30	40.7	1.85	42.5	STW - 45	22.479	3.556	40.843	40 x 2.5
FJ 35	FJN 35	35	44.8	2.20	49.0	STW - 52	25.984	4.115	46.200	46 x 3.5
FJ 38	FJN 38	38	54.3	2.20	54.5	STW - 58	28.499	4.115	51.200	51 x 3.5
FJ 40	FJN 40	40	56.1	2.20	57.0	STW - 60	29.997	4.115	54.225	53 x 3.5
FJ 50	FJN 50	50	68.6	2.70	76.5	STW - 80	39.980	4.750	74.193	73 x 3.5
FJ 60	FJN 60	60	78.7	3.15	86.5	STW - 90	44.983	7.036	81.738	81 x 5
FJ 80	FJN 80	80	97.2	4.15	116.0	STW - 120	59.995	7.137	111.727	111 x 5
FJ 100	FJN 100	100	117.2	4.15	145.0	STW - 150	74.981	7.137	141.199	140 x 5.3
FJ 120	FJN 120	120	150.3	4.15	175.0	STW - 180	89.992	7.137	171.740	170 x 5
FJ 150	FJN 150	150	160.3	5.15	204.0	STW - 210	104.978	7.137	201.193	200 x 5.3