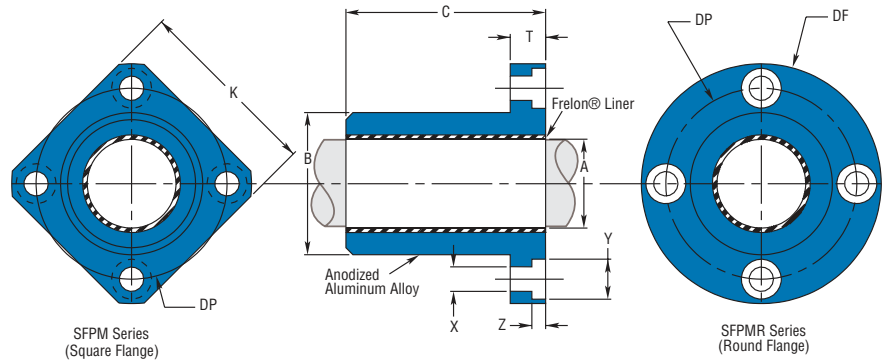




Simplicity® Flange Bearings

FLANGE BEARINGS – SFPM



DIMENSIONAL INFORMATION

PRECISION I.D. SERIES SIMILAR TO PRELOADED BALL BEARING				COMPENSATED I.D. SERIES SIMILAR TO STANDARD BALL BEARING				NOMINAL SIZE	B BODY O.D.		C LENGTH		EFFECTIVE SURFACE AREA	MAX. STATIC LOAD N	
PART NO.		A BEARING I.D. F8		PART NO.		A BEARING I.D.			MIN.	MAX.	MIN.	MAX.		CM ²	FRELON
SQUARE	ROUND	MIN.	MAX.	SQUARE	ROUND	MIN.	MAX.	MM	MIN.	MAX.	MIN.	MAX.		GOLD	J & W
SFPM 08	SFPMR 08	8.013	8.035	SFPM 08C	SFPMR 08C	8.063	8.085	8	15.982	16	24.8	25	2.094	4316	2168
SFPM 12	SFPMR 12	12.016	12.043	SFPM 12C	SFPMR 12C	12.066	12.093	12	21.979	22	31.8	32	4.021	8280	4159
SFPM 16	SFPMR 16	16.016	16.043	SFPM 16C	SFPMR 16C	16.066	16.093	16	25.979	26	35.8	36	6.032	12429	6239
SFPM 20	SFPMR 20	20.020	20.053	SFPM 20C	SFPMR 20C	20.096	20.129	20	31.975	32	44.8	45	9.425	19414	9751
SFPM 25	SFPMR 25	25.020	25.053	SFPM 25C	SFPMR 25C	25.096	25.129	25	39.975	40	57.7	58	15.184	31284	15706
SFPM 30	SFPMR 30	30.020	30.053	SFPM 30C	SFPMR 30C	30.096	30.129	30	46.975	47	67.7	68	21.363	44008	22102
SFPM 40	SFPMR 40	40.025	40.064	SFPM 40C	SFPMR 40C	40.127	40.166	40	61.970	62	79.7	80	33.510	69033	34669
SFPM 50	SFPMR 50	50.025	50.064	SFPM 50C	SFPMR 50C	50.127	50.166	50	74.970	75	99.7	100	52.360	107871	54161
SFPM 60	SFPMR 60	60.030	60.076	SFPM 60C	SFPMR 60C	60.182	60.228	60	89.965	90	124.6	125	78.540	161796	81246
SFPM 80	SFPMR 80	80.030	80.076	SFPM 80C	SFPMR 80C	80.182	80.228	80	119.965	120	164.6	165	138.230	284765	142991

Notes: Formula used for effective surface area is $(\pi * ID * L)/3$
 Max static load is effective surface area times max load for Frelon GOLD®
 - 210 kgf/cm² is the rating for Frelon GOLD®; 105.45 kgf/cm² is the rating for Frelon® J



MOUNTING DIMENSIONS

PART NO.		K SQUARE	DF O.D.	T LENGTH	DP BOLT CIRCLE	X HOLE	Y C'BORE DEPTH	Z C'BORE DEPTH	CLAMPING BOLT	CONCENTRICITY	SQUARENESS	SFPM WEIGHT	SFPMR WEIGHT
SQUARE	ROUND	MAX.	MAX.	MAX.								KG.	KG.
SFPM 08	SFPMR 08	25	32	8	24	3.5	6	3.1	M 3	0.012	0.012	0.018	0.022
SFPM 12	SFPMR 12	32	42	9	32	4.5	7.5	4.1	M 4	0.012	0.012	0.037	0.046
SFPM 16	SFPMR 16	35	46	9	36	4.5	7.5	4.1	M 4	0.012	0.012	0.047	0.058
SFPM 20	SFPMR 20	42	54	11	43	5.5	9	5.1	M 5	0.015	0.015	0.085	0.101
SFPM 25	SFPMR 25	50	62	11	51	5.5	9	5.1	M 5	0.015	0.015	0.156	0.172
SFPM 30	SFPMR 30	60	76	14	62	6.6	11	6.1	M 6	0.015	0.015	0.257	0.293
SFPM 40	SFPMR 40	75	98	18	80	9.0	14	8.1	M 8	0.017	0.017	0.500	0.595
SFPM 50	SFPMR 50	88	112	18	94	9.0	14	8.1	M 8	0.017	0.017	0.825	0.930
SFPM 60	SFPMR 60	106	134	24	112	11.0	17	11.1	M 10	0.020	0.020	1.506	1.697
SFPM 80	SFPMR 80	136	164	24	142	11.0	17	11.1	M 10	0.020	0.020	3.308	3.483



Only certified Simplicity 60 Plus Shafting provides maximum linear bearing performance.

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INCH
ISO METRIC
JIS METRIC