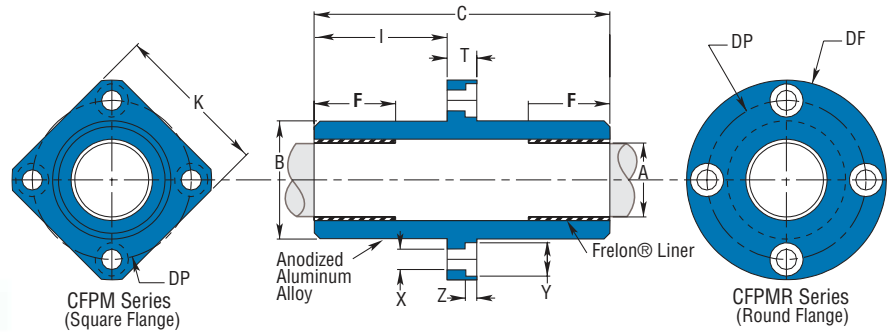




Simplicity® Flange Bearings

FLANGE BEARING – CFPM



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		I LENGTH TO FLNG.	F LENGTH EACH END	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	
CFPM 08	CFPMR 08	8.013	8.035	CFPM 08C	CFPMR 08C	8.063	8.085	8	15.982	16	45.7	46.3	19.0	12.1	2.027	4179	2099
CFPM 12	CFPMR 12	12.016	12.043	CFPM 12C	CFPMR 12C	12.066	12.093	12	21.979	22	60.7	61.3	26.0	15.4	3.870	7976	4002
CFPM 16	CFPMR 16	16.016	16.043	CFPM 16C	CFPMR 16C	16.066	16.093	16	25.979	26	67.7	68.3	29.5	20.4	6.836	14087	7073
CFPM 20	CFPMR 20	20.020	20.053	CFPM 20C	CFPMR 20C	20.096	20.129	20	31.975	32	79.7	80.3	34.5	22.1	9.257	19071	9575
CFPM 25	CFPMR 25	25.020	25.053	CFPM 25C	CFPMR 25C	25.096	25.129	25	39.975	40	111.7	112.3	50.5	33.1	17.331	35708	17933
CFPM 30	CFPMR 30	30.020	30.053	CFPM 30C	CFPMR 30C	30.096	30.129	30	46.975	47	122.7	123.3	54.5	35	21.991	45303	22749
CFPM 40	CFPMR 40	40.025	40.064	CFPM 40C	CFPMR 40C	40.127	40.166	40	61.970	62	150.7	151.3	66.5	44	36.861	75939	38131
CFPM 50	CFPMR 50	50.025	50.064	CFPM 50C	CFPMR 50C	50.127	50.166	50	74.970	75	191.7	192.3	87.0	69.5	72.780	149936	75282
CFPM 60	CFPMR 60	60.030	60.076	CFPM 60C	CFPMR 60C	60.182	60.228	60	89.965	90	208.7	209.3	92.5	73	91.735	188980	94892

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
 Frelon pads in each end (F dimension)



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	CFPM WEIGHT	CFPMR WEIGHT
SQUARE	ROUND	MAX.	MAX.	MAX.								KG.	KG.
CFPM 08	CFPMR 08	25	32	8	24	3.5	6	3.1	M 3	0.015	0.015	0.027	0.031
CFPM 12	CFPMR 12	32	42	9	32	4.5	7.5	4.1	M 4	0.015	0.015	0.058	0.067
CFPM 16	CFPMR 16	35	46	9	36	4.5	7.5	4.1	M 4	0.015	0.015	0.077	0.088
CFPM 20	CFPMR 20	42	54	11	43	5.5	9	5.1	M 5	0.017	0.017	0.133	0.149
CFPM 25	CFPMR 25	50	62	11	51	5.5	9	5.1	M 5	0.017	0.017	0.270	0.286
CFPM 30	CFPMR 30	60	76	14	62	6.6	11	6.1	M 6	0.017	0.017	0.413	0.450
CFPM 40	CFPMR 40	75	98	18	80	9.0	14	8.1	M 8	0.020	0.020	0.846	0.942
CFPM 50	CFPMR 50	88	112	18	94	9.0	14	8.1	M 8	0.020	0.020	1.450	1.556
CFPM 60	CFPMR 60	106	134	24	112	11.0	17	11.1	M 10	0.025	0.025	2.329	2.519



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

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