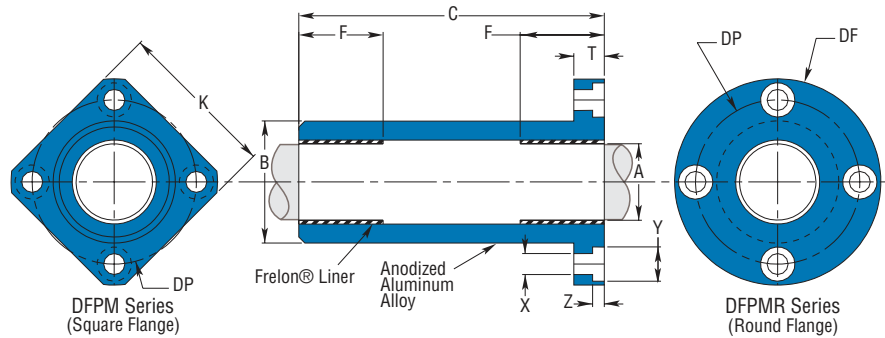




Flange Bearings **Simplicity®**

FLANGE BEARING – DFPM



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. h7		C LENGTH		F LENGTH EACH END	EFFECTIVE SURFACE AREA CM ²	MAX. STATIC LOAD N	
PART NO.		A BEARING I.D. F8		PART NO.		A BEARING I.D.			MIN.	MAX.	MIN.	MAX.			FRELON	
SQUARE	ROUND	MIN.	MAX.	SQUARE	ROUND	MIN.	MAX.	MM	MIN.	MAX.	MIN.	MAX.		GOLD	J & W	
DFPM 08	DFPMR 08	8.013	8.035	DFPM 08C	DFPMR 08C	8.063	8.085	8	15.982	16	44.7	45	12.1	2.027	4179	2099
DFPM 12	DFPMR 12	12.016	12.043	DFPM 12C	DFPMR 12C	12.066	12.093	12	21.979	22	56.7	57	15.4	3.870	7976	4002
DFPM 16	DFPMR 16	16.016	16.043	DFPM 16C	DFPMR 16C	16.066	16.093	16	25.979	26	69.7	70	20.4	6.836	14087	7073
DFPM 20	DFPMR 20	20.020	20.053	DFPM 20C	DFPMR 20C	20.096	20.129	20	31.975	32	79.7	80	22.1	9.257	19071	9575
DFPM 25	DFPMR 25	25.020	25.053	DFPM 25C	DFPMR 25C	25.096	25.129	25	39.975	40	111.6	112	33.1	17.331	35708	17933
DFPM 30	DFPMR 30	30.020	30.053	DFPM 30C	DFPMR 30C	30.096	30.129	30	46.975	47	122.6	123	35	21.991	45303	22749
DFPM 40	DFPMR 40	40.025	40.064	DFPM 40C	DFPMR 40C	40.127	40.166	40	61.970	62	150.6	151	44	36.861	75939	38131
DFPM 50	DFPMR 50	50.025	50.064	DFPM 50C	DFPMR 50C	50.127	50.166	50	74.970	75	191.6	192	69.5	72.780	149936	75282
DFPM 60	DFPMR 60	60.030	60.076	DFPM 60C	DFPMR 60C	60.182	60.228	60	89.965	90	208.6	209	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	DFPM WEIGHT KG.	DFPMR WEIGHT KG.
SQUARE	ROUND	MAX.	MAX.	MAX.									
DFPM 08	DFPMR 08	25	32	8	24	3.5	6	3.1	M 3	0.015	0.015	0.027	0.031
DFPM 12	DFPMR 12	32	42	9	32	4.5	7.5	4.1	M 4	0.015	0.015	0.055	0.064
DFPM 16	DFPMR 16	35	46	9	36	4.5	7.5	4.1	M 4	0.015	0.015	0.078	0.089
DFPM 20	DFPMR 20	42	54	11	43	5.5	9	5.1	M 5	0.017	0.017	0.133	0.149
DFPM 25	DFPMR 25	50	62	11	51	5.5	9	5.1	M 5	0.017	0.017	0.270	0.286
DFPM 30	DFPMR 30	60	76	14	62	6.6	11	6.1	M 6	0.017	0.017	0.413	0.450
DFPM 40	DFPMR 40	75	98	18	80	9.0	14	8.1	M 8	0.020	0.020	0.846	0.942
DFPM 50	DFPMR 50	88	112	18	94	9.0	14	8.1	M 8	0.020	0.020	1.450	1.556
DFPM 60	DFPMR 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.

Inch Series—page 40 Metric Series—page 72