500 Series Ball Spacer

513 Styles A/C/E and B/D/F

Dynamic Load and Moment Ratings

C = Dynamic load rating

$M_{P,Y}$ = Dynamic pitch and yaw moment rating

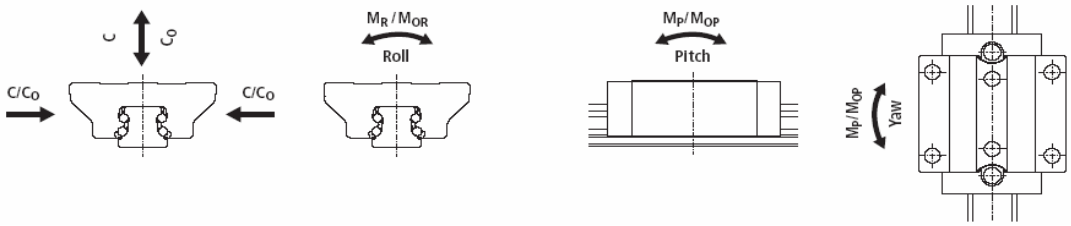
M_R = Dynamic roll moment rating

Static Load and Moment Ratings

C = Static load rating

$M_{OP,OY}$ = Static pitch and yaw moment rating

M_{OR} = Static roll moment rating



Style	Size	Load Rating									Weights	
		Static			Dynamic						Carriage	Rail
					100 Km			50 Km				
		C_O (N)	M_{OR} (Nm)	$M_{OP,OY}$ (Nm)	C (N)	M_R (Nm)	$M_{P,Y}$ (Nm)	C (N)	M_R (Nm)	$M_{P,Y}$ (Nm)	(kg)	(kg/m)
A / C / E	20	23 200	276	216	13 400	159	125	16 900	200	157	0.5	2.2
	25	33 400	457	372	19 700	270	219	24 800	340	276	0.7	3
	30	45 500	774	592	27 100	461	353	34 100	581	444	1.2	4.3
	35	59 400	1 102	881	35 900	666	532	45 200	839	671	1.8	5.4
	45	92 800	2 198	1 720	57 400	1 359	1 064	72 300	1 713	1 340	3.3	8.8
B / D / F	20	31 600	374	378	16 700	198	200	21 000	249	252	0.6	2.2
	25	45 500	623	651	24 400	334	349	30 700	421	440	0.9	3
	30	62 000	1 052	1 035	33 700	572	562	42 500	721	709	1.5	4.3
	35	81 000	1 504	1 545	44 500	826	849	56 100	1 041	1 070	2.3	5.4
	45	126 500	2 996	3 013	71 300	1 688	1 698	89 800	2 127	2 140	4.2	8.8

1. The dynamic load and moment ratings are based on the travel life specified on the table (100 km or 50 km). When comparing these load ratings with other bearings you must take into consideration the proper tavel life basis

2. The static load and moment ratings are the maximum radial load and moment load that should be applied to the bearing when there is no relative motion between the carriage and rail

Operating Parameters:

Maximum Velocity:	**5 m/s (1 m/s recommended)**	
Maximum Acceleration:	**100 m/s^2**	
Temperature:	**Min:**	**-40^o C**
	Max:	**80^o C**
	Max peak:	**120^o C short time***
	*without bellows	