

M2000 RADIAL LOAD RATINGS

M2000 SPHERICALS

NOMINAL SHAFT DIAMETER (IN)	L10 HRS LIFE	RADIAL LOAD RATINGS AT VARIOUS REVOLUTIONS PER MINUTE								
		50	100	200	500	1000	1200	1500	1800	2500
1 7/16 1 1/2	5000	7300	5930	4810	3660	2970	2780	2630	2490	2260
	10000	5930	4810	3910	2970	2410	2260	2140	2020	1830
	20000	4810	3910	3180	2410	1960	1830	1740	1640	1490
	50000	3660	2970	2410	1830	1490	1390	1320	1250	1130
	100000	2970	2410	1960	1490	1210	1130	1070	1010	919
1 11/16 1 3/4 40mm 45mm	5000	7660	6220	5050	3840	3120	2910	2760	2610	2370
	10000	6220	5050	4100	3120	2530	2370	2240	2120	1920
	20000	5050	4100	3330	2530	2060	1920	1820	1720	1560
	50000	3840	3120	2530	1920	1560	1460	1380	1310	1190
	100000	3120	2530	2060	1560	1270	1190	1120	1060	964
1 15/16 2 50mm	5000	7960	6470	5250	3990	3240	3030	2870	2720	-----
	10000	6470	5250	4270	3240	2630	2460	2330	2210	-----
	20000	5250	4270	3470	2630	2140	2000	1890	1790	-----
	50000	3990	3240	2630	2000	1620	1520	1440	1360	-----
	100000	3240	2630	2140	1620	1320	1230	1170	1110	-----
2 3/16 2 1/4 55mm	5000	9850	8000	6500	4940	4010	3750	3550	3360	-----
	10000	8000	6500	5280	4010	3260	3050	2880	2730	-----
	20000	6500	5280	4290	3260	2650	2470	2340	2220	-----
	50000	4940	4010	3260	2470	2010	1880	1780	1680	-----
	100000	4010	3260	2650	2010	1630	1530	1450	1370	-----
2 7/16 2 1/2 60mm 65mm	5000	14300	11600	9430	7160	5820	5440	5150	4880	-----
	10000	11600	9430	7660	5820	4730	4420	4180	3960	-----
	20000	9430	7660	6220	4730	3840	3590	3400	3220	-----
	50000	7160	5820	4730	3590	2920	2730	2580	2440	-----
	100000	5820	4730	3840	2920	2370	2210	2100	1990	-----

Note: Refer to page 65 for seal speed limits.

For applications that exceed the load ratings above, please contact the factory for assistance.



M2000 RADIAL LOAD RATINGS

NOMINAL SHAFT DIAMETER (IN)	L10 HRS LIFE	RADIAL LOAD RATINGS AT VARIOUS REVOLUTIONS PER MINUTE								
		50	100	200	500	1000	1200	1500	1800	2500
2 1/16	5000	15600	12600	10300	7800	6340	5930	5610	----	----
2 3/4	10000	12600	10300	8340	6340	5150	4810	4560	----	----
2 15/16	20000	10300	8340	6780	5150	4180	3910	3700	----	----
3	50000	7800	6340	5150	3910	3180	2970	2810	----	----
70mm	100000	6340	5150	4180	3180	2580	2410	2280	----	----
75mm										
3 3/16	5000	25250	20510	16660	12660	10280	9730	----	----	----
3 7/16	10000	20510	16660	13530	10280	8350	7910	----	----	----
3 1/2	20000	16660	13530	10990	8350	6780	6420	----	----	----
80mm	50000	12660	10280	8350	6340	5150	4880	----	----	----
85mm	100000	10280	8350	6780	5150	4180	3960	----	----	----
90mm										
3 11/16	5000	31020	25200	20470	15550	12630	11960	----	----	----
3 15/16	10000	25200	20470	16620	12630	10260	9710	----	----	----
4	20000	20470	16620	13500	10260	8330	7890	----	----	----
100mm	50000	15550	12630	10260	7790	6330	5990	----	----	----
	100000	12630	10260	8330	6330	5140	4870	----	----	----
4 7/16	5000	40700	33050	26850	20400	16570	----	----	----	----
4 1/2	10000	33050	26850	21810	16570	13460	----	----	----	----
110mm	20000	26850	21810	17710	13460	10930	----	----	----	----
115mm	50000	20400	16570	13460	10220	8300	----	----	----	----
	100000	16570	13460	10930	8300	6740	----	----	----	----
4 15/16	5000	54590	44340	36010	27360	22220	----	----	----	----
5	10000	44340	36010	29250	22220	18050	----	----	----	----
125mm	20000	36010	29250	23760	18050	14660	----	----	----	----
130mm	50000	27360	22220	18050	13710	11140	----	----	----	----
	100000	22220	18050	14660	11140	9050	----	----	----	----

Note: Refer to page 65 for seal speed limits.

For applications that exceed the load ratings above, please contact the factory for assistance.

M2000 SPHERICALS



Post Office Box 99, Batavia, Illinois 60510, USA
 630.584.4600, 800.242.4633, 630.584.1999 fax
 www.molinebearing.com, sales@molinebearing.com

MOLINE BEARING CO.

TEL # **800.242.4633**