

MOUNTED BALL BEARING RADIAL LOAD RATINGS

Radial Load Ratings In Pounds

Information in this table shows load ratings at various RPM based on 500 hours minimum life to 2500 hours average life.

BEARING #	RADIAL LOAD RATING AT VARIOUS RPM											
	50	100	250	500	750	1000	1200	1500	2000	2400	3800	5000
201-204	2469	1962	1433	1146	992	904	860	794	727	683	595	529
205	2690	2138	1587	1257	1102	1014	926	860	794	749	639	551
206	3747	2976	2204	1741	1521	1389	1301	1212	1102	1036	904	816
207	4960	3924	2888	2293	2006	1830	1675	1587	1455	1367	1190	-----
208	5600	4453	3285	2601	2271	2072	1940	1808	1631	1543	1345	-----
209	6173	4894	3593	2866	2491	2271	2138	1984	1808	1697	-----	-----
210	6768	5357	3946	3130	2734	2491	2315	2182	1984	1852	-----	-----
211	8333	6614	4872	3924	3593	3064	2888	2690	2447	2293	-----	-----
212	10097	8002	5908	4674	4100	3726	3505	3241	2954	2778	-----	-----
213	11023	8752	6437	5115	4475	4056	3814	3549	3219	-----	-----	-----
214	11971	9502	7010	5555	4850	4409	4144	3858	3505	-----	-----	-----
215	12985	10295	7583	6019	5247	4784	4497	4167	3792	-----	-----	-----
218	18721	14859	10949	8690	7592	6898	6491	6026	5475	-----	-----	-----

Modification Factors for Average Service Life and Load Conditions

LOAD CONDITIONS	AVERAGE LIFE (1,000 HOURS)													
	2.5	3	4	5	6	7	8	10	15	20	25	30	40	50
Steady Load	1.00	.941	.855	.794	.747	.709	.679	.630	.550	.500	.464	.437	.397	.368
Light Shock	.900	.847	.770	.715	.672	.639	.611	.567	.495	.450	.418	.393	.357	.331
Moderate Shock	.700	.659	.599	.556	.523	.500	.475	.441	.385	.350	.325	.306	.278	.258

Factors are used to modify for loads that are not steady or for average life requirements beyond the standard 2500 hours shown in the Radial Load Rating table.

