



MIDPOINT BEARING

DISTRIBUTORS OF BEARINGS & POWER TRANSMISSION PRODUCTS

Minimum Loads for Cylindrical Roller Bearings

The below chart is designed for the estimated minimum required load to avoid roller skidding. The ratings below are applicable for all CRB series including N, NU, NJ, NF. For sizes outside of our standard electric motor program please contact your Midpoint Bearing representative. The resultant load is based on the mean diameter of the bearing, operating speed, basic load rating and a minimum load factor based on type of bearing.

ISO base part number	Speed in RPM				ISO base part number	Speed in RPM			
	900	1200	1800	3600		900	1200	1800	3600
204	23	24	24	26	304	28	28	29	31
205	31	31	32	34	305	41	41	43	46
206	45	45	47	51	306	57	58	60	66
207	59	61	63	69	307	70	71	74	82
208	77	79	82	90	308	93	94	98	110
209	91	93	97	108	309	114	117	122	137
210	107	110	114	129	310	140	143	150	171
211	131	134	140	159	311	169	173	182	210
212	161	165	173	199	312	200	206	217	252
213	190	195	206	239	313	235	242	257	301
214	211	218	230	268	314	272	281	299	354
215	235	242	257	301	315	313	324	346	413
216	274	283	301	356	316	357	370	397	478
217	314	326	348	416	317	400	415	447	541
218	257	370	397	478	318	453	472	510	623
219	404	420	452	549	319	506	528	572	704
220	453	472	510	623	320	583	610	665	827
221	510	533	578	714	321	645	677	740	929
222	569	595	648	807	322	732	770	845	1070
224	681	719	795	1022	324	877	925	1023	1315
226	778	819	901	1147	326	1039	1102	1228	1606
228	929	982	1088	1406	328	1214	1293	1449	1919
230	1091	1157	1289	1685	330	1409	1506	1700	2283
232	1270	1352	1516	2008	332	1610	1724	1954	2644

Minimum Loads are in pounds

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