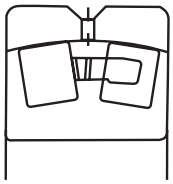
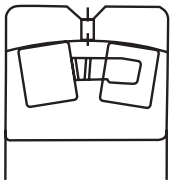
21300 MEDIUM/NARROW SERIES / 22200 LIGHT SERIES

With Bronze (M) or Steel (C) Cage



Bearing Number	Dimensions						Fillet Radius* (in)	Approx. Wt. (lbs)	SL Lmtg. Speed ≠ rpm	Dynamic Load Rating (c)		Dyn. Load Rating Calc. $\frac{F_a}{F} \le e$		$\frac{F_a}{F} > e$		Static Load Rating (Co)	
	Bore		OD		Width												
	mm	inch	mm	inch	mm	inch				(lbs)	(e)	X^r	Y	X^r	Y	(lbs)	Yo
21307M	35	1.3780	80	3.1496	21	.8268	.06	1.12	4300	14830	.26	1	2.6	.67	3.9	14605	2.5
21308M	40	1.5748	90	3.5433	23	.9055	.06	1.57	3800	16627	.26	1	2.6	.67	3.9	15616	2.5
21309M	45	1.7716	100	3.9370	25	.9842	.06	2.09	3400	23593	.26	1	2.6	.67	3.9	24042	2.5
21310M	50	1.9685	110	4.3307	27	1.0630	.08	2.67	3000	25391	.24	1	2.8	.67	4.2	25391	2.7
21311M	55	2.1654	120	4.7244	29	1.1417	.08	3.48	2800	29885	.24	1	2.8	.67	4.2	30783	2.7
21312M	60	2.3622	130	5.1181	31	1.2205	.08	4.32	2400	33165	.24	1	2.8	.67	4.2	34042	2.7
21313M	65	2.5590	140	5.5118	33	1.2992	.08	5.40	2200	37749	.24	1	2.8	.67	4.2	38985	2.7
21314M	70	2.7559	150	5.9055	35	1.3780	.08	6.59	2200	42693	.23	1	2.9	.67	4.4	44265	2.9
21315M	75	2.9528	160	6.2992	37	1.4567	.08	7.85	2000	46737	.23	1	2.9	.67	4.4	48984	2.9
21316M	80	3.1496	170	6.6929	39	1.5354	.08	9.22	1800	53928	.23	1	2.9	.67	4.4	57635	2.9
21317M	85	3.3464	180	7.0866	41	1.6142	.08	11.0	1700	52467	.22	1	3.1	.67	4.6	54826	3.0
21318M	90	3.5433	190	7.4803	43	1.6929	.10	12.8	1600	66511	.22	1	3.1	.67	4.6	72578	3.0
21319M	95	3.7402	200	7.8740	45	1.7716	.10	15.8	1500	86536	.22	1	3.1	.67	4.6	119128	3.0
213200M	100	3.9370	215	8.4646	47	1.8504	.10	19.4	1400	95527	.22	1	3.1	.67	4.6	130367	3.0
22205C	25	.9842	52	2.0472	18	.7087	.04	.401	8000	8493	.38	1	1.8	.67	2.6	9032	1.7
22206C	30	1.1811	62	2.4409	20	.7874	.04	.639	6300	11729	.36	1	1.9	.67	2.8	12875	1.8
22207C	35	1.3780	72	2.8346	23	.9055	.04	.950	5300	11729	.36	1	1.9	.67	2.8	12845	1.8
22208M	40	1.5748	80	3.1496	23	.9055	.04	1.21	4800	17526	.31	1	2.2	.67	3.2	19548	2.1
22209M	45	1.7716	85	3.3464	23	.9055	.04	1.34	4300	17307	.36	1	2.2	.67	3.3	19667	2.2
22210M	50	1.9685	90	3.5433	23	.9055	.04	1.43	4000	17532	.26	1	2.6	.67	3.9	20522	2.5
22211M	55	2.1654	100	3.9370	25	.9842	.06	1.94	3600	19667	.27	1	2.5	.67	3.7	22927	2.4
22212M	60	2.3622	110	4.3307	28	1.1024	.06	2.67	3200	26478	.27	1	2.5	.67	3.7	31535	2.4
22213M	65	2.5590	120	4.7244	31	1.2205	.06	3.51	3000	37087	.28	1	2.4	.67	3.6	44954	2.4
22214M	70	2.7559	125	4.9212	31	1.2205	.06	3.68	2800	32581	.26	1	2.6	.67	3.9	39547	2.5
22215M	75	2.9528	130	5.1181	31	1.2205	.06	3.88	2600	39335	.24	1	2.8	.67	4.2	51697	2.7
22216M	80	3.1496	140	5.5118	33	1.2992	.08	4.76	2400	43830	.26	1	2.8	.67	4.2	56193	2.7
22217M	85	3.3464	150	5.9055	36	1.4173	.08	6.06	2200	51697	.25	1	2.7	.67	4.0	66307	2.6
22218M	90	3.5433	160	6.2992	40	1.5748	.08	7.83	2200	62935	.26	1	2.6	.67	3.9	84289	2.5
22219M	95	3.7402	170	6.6929	43	1.6929	.08	9.50	2000	69679	.26	1	2.6	.67	3.9	93280	2.5
22220M	100	3.9370	180	7.0866	46	1.8110	.08	11.4	1900	76421	.26	.1	2.6	67	3.9	102270	2.5
22222M	110	4.3307	200	7.8740	53	2.0866	.08	16.3	1700	121376	.28	1	2.4	.67	3.6	157339	2.4
22224M	120	4.7244	215	8.4646	58	2.2835	.08	20.5	1600	114633	.29	1	2.3	.67	3.5	166330	2.3
22226M	130	5.1181	230	9.0551	64	2.5197	.10	25.8	1400	134862	.29	1	2.3	.67	3.5	197798	2.3
22228M	140	5.5118	250	9.8425	68	2.6772	.10	33.1	1300	150596	.28	1	2.4	.67	3.6	222522	2.4
22230M	150	5.9055	270	10.6299	73	2.8740	.10	40.8	1200	182063	.28	1	2.4	.67	3.6	267475	2.4
22232M	160	6.2992	290	11.4173	80	3.1496	.10	51.6	1100	213532	.29	1	2.3	.67	3.5	319173	2.3
22234M	170	6.6929	310	12.2047	86	3.3858	.12	63.9	1000	242752	.29	1	2.3	.67	3.5	361880	2.3
22236M	180	7.0866	320	12.5984	86	3.3858	.12	67.3	1000	249494	.28	1	2.4	.67	3.6	386604	2.4
22238M	190	7.4803	340	13.3858	92	3.6220	.12	82.5	950	274219	.28	1	2.4	.67	3.6	420320	2.4
22240M	200	7.8740	360	14.1732	98	3.8583	.12	99.2	900	256238	.29	1	2.3	.67	3.5	385705	2.3
22244M	220	8.6614	400	15.7480	108	4.2520	.12	139	800	333783	.29	1	2.3	.67	3.5	558104	2.3
22248M	240	9.4488	440	17.3228	120	4.7244	.12	187	700	408000	.29	1	2.3	.67	3.5	607100	2.3
22252M	260	10.2362	480	18.8976	130	5.1181	.16	243	630	550680	.29	1	2.3	.67	3.5	770960	2.3
22256M	280	11.0236	500	19.6850	130	5.1181	.16	251	600	573160	.28	1	2.4	.67	3.6	824900	2.3
22260M	300	11.8110	540	21.2598	140	5.5118	.16	320	560	651800	.27	1	2.5	.67	3.7	950770	2.3
22264M	320	12.5984	580	22.8346	150	5.9055	.16	390	530	710000	.27	1	2.5	.67	3.7	1100000	2.4

* Maximum shaft and housing radii that bearing will clear.



22300 MEDIUM SERIES / 23000 EXTRA LIGHT, WIDE SERIES

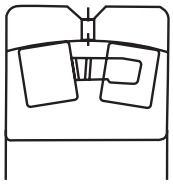
With Bronze (M) Cage

Bearing Number	Dimensions						Fillet Radius* (in)	Approx. Wt. (lbs)	SL Lmtg. Speed ≠ rpm	Dynamic Load Rating (c)		Dyn. Load Rating Calc. $\frac{F_a}{F} \le e$		$\frac{F_a}{F} > e$		Static Load Rating (Co)	
	Bore		OD		Width												
	mm	inch	mm	inch	mm	inch				(lbs)	(e)	X^r	Y	X^r	Y	(lbs)	Yo
22308M	40	1.5748	90	3.5433	33	1.2992	.06	2.19	4500	78096	.40	1	1.7	.67	2.5	30340	2.4
22309M	45	1.7716	100	3.9370	36	1.4173	.06	2.98	3800	33700	.40	1	1.7	.67	2.5	39300	2.4
22310M	50	1.9685	110	4.3307	40	1.5748	.08	3.99	3400	43804	.40	1	1.7	.67	2.5	49400	1.6
22311M	55	2.1654	120	4.7244	43	1.6929	.08	5.14	3200	49400	.40	1	1.7	.67	2.5	57300	1.6
22312M	60	2.3622	130	5.1181	46	1.8110	.08	6.42	2800	58400	.40	1	1.7	.67	2.5	69700	1.6
22313M	65	2.5590	140	5.5118	48	1.8898	.08	7.67	2600	62900	.38	1	1.8	.67	2.6	74200	1.6
22314M	70	2.7559	150	5.9055	51	2.0079	.08	9.26	2400	76420	.37	1	1.8	.67	2.7	94400	1.6
22315M	75	2.9528	160	6.2992	55	2.1654	.08	11.5	2200	85410	.38	1	1.8	.67	2.6	106760	1.7
22316M	80	3.1496	170	6.6929	58	2.2835	.08	13.6	2000	92155	.37	1	1.8	.67	2.7	112380	1.8
22317M	85	3.3464	180	7.0866	60	2.3622	.10	15.7	2000	103400	.36	1	1.9	.67	2.8	128100	1.7
22318M	90	3.5433	190	7.4803	64	2.5197	.10	18.7	1900	1119100	.37	1	1.8	.67	2.7	150600	1.8
22319M	95	3.7402	200	7.8740	67	2.6378	.10	21.9	1800	128100	.37	1	1.8	.67	2.7	166300	1.8
22320M	100	3.9370	215	8.4646	73	2.8740	.10	27.6	1600	150600	.37	1	1.8	.67	2.7	197800	1.8
32322M	110	4.3307	240	9.4488	80	3.1496	.10	39.9	1500	179800	.37	1	1.8	.67	2.7	238250	1.8
32324M	120	4.7244	260	10.2362	86	3.3858	.10	50.5	1300	209230	.36	1	1.9	.67	2.8	276400	1.8
22326M	130	5.1181	280	11.0236	93	3.6614	.12	63.1	1200	242750	.36	1	1.9	.67	2.8	325900	1.8
22328M	140	5.5118	300	11.8110	102	4.0157	.12	79.8	1100	278700	.37	1	1.8	.67	2.7	386600	1.8
22330M	150	5.9055	320	12.5984	108	4.2520	.12	96.1	1100	314670	.37	1	1.8	.67	2.7	436050	1.8
22332M	160	6.2992	340	13.3858	114	4.4882	.12	114	1000	341650	.37	1	1.8	.67	2.7	485500	1.8
22334M	170	6.6929	360	14.1732	120	4.7244	.12	137	950	379860	.37	1	1.8	.67	2.7	534950	1.8
22336M	180	7.0866	380	14.9606	126	4.9606	.12	157	850	389000	.37	1	1.8	.67	2.7	551000	1.8
22338M	190	7.4803	400	15.7480	132	5.1968	.16	185	850	420000	.37	1	1.8	.67	2.7	596000	1.8
22340M	200	7.8740	420	16.5354	138	5.4331	.16	210	800	429300	.36	1	1.9	.67	2.8	618100	1.8
22344M	220	8.6614	460	18.1102	145	5.7086	.16	273	700	577660	.35	1	1.9	.67	2.9	775450	1.8
22348M	240	9.4488	500	19.6850	155	6.1024	.16	346	630	669810	.35	1	1.9	.67	2.9	908070	1.8
22352M	260	10.2362	540	21.2598	165	6.4960	.20	432	600	759720	.34	1	2.0	.67	3.0	1036180	1.9
22356M	280	11.0236	580	22.8346	175	6.8898	.20	527	530	860870	.33	1	2.0	.67	3.0	1184530	1.9
23022M	110	4.3307	170	6.6929	45	1.7716	.08	8.73	1900	66300	.26	1	2.6	.67	3.9	109000	1.9
23024M	120	4.7244	180	7.0866	46	1.8110	.08	9.59	1700	75300	.24	1	2.8	.67	4.2	125870	2.0
23026M	130	5.1181	200	7.8740	52	2.0472	.08	14.0	1600	92155	.25	1	2.7	.67	4.0	150600	2.5
23028M	140	5.5118	210	8.2677	53	2.0866	.08	15.1	1500	97800	.24	1	2.8	.67	4.0	168000	2.7
23030M	150	5.9055	225	8.8582	56	2.2047	.08	18.2	1400	107900	.23	1	2.9	.67	4.4	186600	2.6
23032M	160	6.2992	240	9.4488	60	2.3622	.08	22.5	1300	125870	.25	1	2.7	.67	4.0	218030	2.7
23034M	170	6.6929	260	10.2362	67	2.6378	.08	29.5	1200	152840	.25	1	2.7	.67	4.0	262980	2.9
23036M	180	7.0866	280	11.0236	74	2.9134	.08	38.8	1100	179810	.26	1	2.6	.67	3.9	310200	2.5
23038M	190	7.4803	290	11.4173	75	2.9528	.08	41.5	1000	186560	.26	1	2.6	.67	3.9	330400	2.5
23040M	200	7.8740	310	12.2047	82	3.2283	.08	53.1	950	216670	.26	1	2.6	.67	3.9	346145	2.5
23044M	220	8.6614	340	13.3858	90	3.5433	.10	69.5	900	230390	.26	1	2.6	.67	3.9	388850	2.5
23048M	240	9.4488	360	14.1732	92	3.6220	.10	77.0	800	271970	.25	1	2.7	.67	4.0	468100	2.6
23052M	260	10.2362	400	15.7480	104	4.0945	.12	112	750	310180	.26	1	2.6	.67	3.9	569340	2.5
23056M	280	11.0236	420	16.5354	106	4.1732	.12	120	700	321420	.25	1	2.7	.67	4.0	577880	2.6
23060M	300	11.8110	460	18.1102	118	7.6457	.12	167	630	442800	.25	1	2.7	.67	4.0	748480	2.6
23064M	320	12.5984	480	18.8976	121	4.7638	.12	179	600	481000	.25	1	2.7	.67	4.0	851870	2.6
23068M	340	13.3858	520	20.4724	133	5.2362	.16	238	560	568670	.25	1	2.7	.67	4.0	973250	2.6
23072M	360	14.1732	540	21.2598	134	5.2756	.16	254	530	582150	.25	1	2.7	.67	4.0	1020450	2.6
23076M	380	14.9606	560	22.0472	135	5.3150	.16	269	500	595640	.24	1	2.8	.67	4.2	1087880	2.7
23080M	400	15.7480	600	23.6220	148	5.8268	.16	342	450	649580	.24	1	2.8	.67	4.2	1283400	2.7
23084M	420	16.5354	620	24.4094	150	5.9055	.16	362	450	730500	.24	1	2.8	67	4.2	1350860	2.7
23088M	440	17.3228	650	25.5905	157	6.1811	.20	415	430	802420	.24	1	2.8	.67	4.2	1492470	2.7
23092M	460	18.1102	680	26.7716	163	6.4173	.20	474	400	786690	.24	1	2.8	.67	4.2	1583000	2.7
23096M	480	18.8976	700	27.5591	165	6.4960	.20	496	380	894580	.23	1	2.9	.67	4.4	1676780	2.9
230/500M	500	19.6850	720	28.3464	167	6.5748	.20	518	380	827000	.22	1	3.1	.67	4.6	1750000	3.0

* Maximum shaft and housing radii that bearing will clear.

23100 EXTRA LIGHT / LIGHT, WIDE SERIES
23200 LIGHT/WIDE SERIES

With Bronze (M) Cage



Bearing Number	Dimensions						Fillet Radius* (in)	Approx. Wt. (lbs)	SL Lmtg. Speed ≠ rpm	Dynamic Load Rating (c)		Dyn. Load Rating Calc. $\frac{F_a}{F} \le e$		$\frac{F_a}{F} > e$		Static Load Rating (Co)	
	Bore		OD		Width												
	mm	inch	mm	inch	mm	inch				(lbs)	(e)	X^r	Y	X^r	Y	(lbs)	Yo
23120M	100	3.9370	165	6.4960	52	2.0472	.08	9.99	2000	79790	.31	1	2.2	.67	3.2	121380	2.1
23122M	110	4.3307	180	7.0866	56	2.2047	.08	12.7	1800	92155	.30	1	2.2	.67	3.3	143850	2.2
23124M	120	4.7244	200	7.8740	62	2.4409	.08	18.4	1600	111260	.31	1	2.2	.67	3.2	173000	2.1
23126M	130	5.1181	210	8.2677	64	2.5197	.08	20.1	1500	121375	.30	1	2.2	.67	3.3	193322	2.2
23128M	140	5.5118	225	8.8582	68	2.6772	.08	23.8	1400	134862	.30	1	2.2	.67	3.3	222522	2.2
23130M	150	5.9055	250	9.8425	80	3.1496	.08	36.2	1200	179816	.32	1	2.1	.67	3.1	323096	2.1
23132M	160	6.2992	270	10.6299	86	3.3858	.08	45.2	1200	209036	.32	1	2.1	.67	3.1	339402	2.1
23134M	170	6.6929	280	11.0236	88	3.4646	.08	49.4	1100	222522	.31	1	2.2	.67	3.2	370870	2.1
23136M	180	7.0866	300	11.8110	96	3.7795	.10	62.6	1000	260733	.32	1	2.1	.67	3.1	436053	2.1
23138M	190	7.4803	320	12.5984	104	4.0945	.10	78.3	950	296696	.33	1	2.0	.67	3.0	514723	2.0
23140M	200	7.8740	340	13.3858	112	4.4094	.10	96.4	900	248370	.35	1	1.9	.67	2.9	259433	1.9
23144M	220	8.6614	370	14.5669	120	4.7244	.12	121	800	327040	.33	1	2.0	.67	3.0	534952	2.0
23148M	240	9.4488	400	15.7480	128	5.0394	.12	149	750	368622	.33	1	2.0	.67	3.0	611374	2.0
23152M	260	10.2362	440	17.3228	144	5.6693	.12	206	670	495659	.33	1	2.0	.67	3.0	762195	2.0
23156M	280	11.0236	460	18.1102	146	5.7480	.16	220	630	515847	.32	1	2.1	.67	3.1	910318	2.1
23160M	300	11.8110	500	19.6850	160	6.2992	.16	291	600	563723	.33	1	2.0	.67	3.0	970556	2.0
23164M	320	12.5984	540	21.2598	176	6.9291	.16	377	530	641718	.34	1	2.0	.67	3.0	1099574	1.9
23168M	340	13.3858	580	22.8346	190	7.4803	.16	476	500	734997	.34	1	2.0	.67	3.0	1240730	1.9
23172M	360	14.1732	600	23.6220	192	7.5590	.16	503	480	773883	.33	1	2.0	.67	3.0	1355587	2.0
23176M	380	14.9606	620	24.4094	194	7.6378	.16	529	450	794561	.32	1	2.1	.67	3.1	1427289	2.1
23180M	400	15.7480	650	25.5905	200	7.8740	.20	602	430	881098	.31	1	2.2	.67	3.2	1610252	2.1
23184M	420	16.5354	700	27.5590	224	8.8189	.20	800	400	1033942	.33	1	2.0	.67	3.0	2022930	2.0
23188M	440	17.3228	720	28.3464	226	8.8976	.20	833	400	1180042	.32	1	2.1	.67	3.1	2247700	2.1
23192M	460	18.1102	760	29.9212	240	9.4488	.24	992	360	1294675	.32	1	2.1	.67	3.1	2478089	2.1
23196M	480	18.8976	790	31.1023	248	9.7638	.24	1109	360	1370500	.32	1	2.1	.67	3.1	2700300	2.1
231/500M	500	19.6850	830	32.6771	264	10.3937	.24	1312	340	1836370	.32	1	2.1	.67	3.1	3843567	2.1
23218M	90	3.5433	160	6.2992	52.4	2.0630	.08	10.3	2000	76421	.34	1	2.0	.67	3.0	109013	1.9
23220M	100	3.9370	180	7.0866	60.3	2.3740	.08	15.1	1900	102270	.35	1	1.9	.67	2.9	148348	1.9
23222M	110	4.3307	200	7.8740	69.8	2.7480	.08	21.8	1700	128118	.37	1	1.8	.67	2.7	188806	1.8
23224M	120	4.7244	215	8.4646	76	2.9921	.08	26.9	1500	150595	.37	1	1.8	.67	2.7	229265	1.8
23226M	130	5.1181	230	9.0551	80	3.1496	.10	32.0	1400	170825	.36	1	1.9	.67	2.8	262980	1.8
23228M	140	5.5118	250	9.8425	88	3.4646	.10	41.9	1300	197797	.37	1	1.8	.67	2.7	310182	1.8
23230M	150	5.9055	270	10.6299	96	3.7795	.10	54.0	1200	231513	.38	1	1.8	.67	2.6	361879	1.7
23232M	160	6.2992	290	11.4173	104	4.0945	.10	68.4	1100	265228	.38	1	1.8	.67	2.6	411329	1.7
23234M	170	6.6929	310	12.2047	110	4.3307	.12	82.7	1000	301191	.36	1	1.9	.67	2.8	476512	1.8
23236M	180	7.0866	320	12.5984	112	4.4094	.12	87.8	800	319173	.36	1	1.9	.67	2.8	523714	1.8
23238M	190	7.4803	340	13.3858	120	4.7244	.12	105	900	361879	.36	1	1.9	.67	2.8	593392	1.8
23240M	200	7.8740	360	14.1732	128	5.0394	.12	128	850	364127	.37	1	1.8	.67	2.7	582154	1.8
23244M	220	8.6614	400	15.7480	144	5.6693	.12	180	800	333783	.37	1	1.8	.67	2.7	558103	1.8
23248M	240	9.4488	440	17.3228	160	6.2992	.12	243	700	532704	.37	1	1.8	.67	2.7	862442	1.8
23252M	260	10.2362	480	18.8976	174	6.8504	.16	318	630	606879	.37	1	1.8	.67	2.7	977749	1.8
23256M	280	11.0236	500	19.6850	176	6.9291	.16	337	600	630704	.36	1	1.9	.67	2.8	1044056	1.8
23260M	300	11.8110	540	21.2598	192	7.5591	.16	434	560	742864	.37	1	1.8	.67	2.7	1242528	1.8
23264M	320	12.5984	580	22.8346	208	8.1890	.16	549	530	928300	.37	1	1.8	.67	2.7	1586876	1.8

* Maximum shaft and housing radii that bearing will clear.

23900 EXTREMELY LIGHT, WIDE SERIES / 24000 EXTRA LIGHT, EXTRA WIDE SERIES

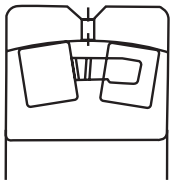
With Bronze (M) Cage

Bearing Number	Dimensions						Fillet Radius* (in)	Approx. Wt. (lbs)	SL Lmtg. Speed ≠ rpm	Dynamic Load Rating (c)		Dyn. Load Rating Calc. $\frac{F_a}{F} \le e$		$\frac{F_a}{F} > e$		Static Load Rating (Co)	
	Bore		OD		Width												
	mm	inch	mm	inch	mm	inch				(lbs)	(e)	X^r	Y	X^r	Y	(lbs)	Yo
23936M	180	7.0866	250	9.8425	52	2.0472	.08	17.6	1200	101596	.20	1	3.4	.67	5.0	186559	3.3
23938M	190	7.4803	260	10.2362	52	2.0472	.08	18.5	1100	100472	.18	1	3.7	.67	5.6	194088	3.7
23940M	200	7.8740	280	11.0236	60	2.3622	.08	26.5	1000	118004	.20	1	3.4	.67	5.0	229265	3.3
23944M	220	8.6614	300	11.8110	60	2.3622	.08	28.7	950	124747	.18	1	3.7	.67	5.6	232861	3.7
23948M	240	9.4488	320	12.5984	60	2.3622	.08	30.9	850	134862	.17	1	4.0	.67	5.9	262980	3.9
23952M	260	10.2362	360	14.1732	75	2.9528	.08	52.9	800	189930	.19	1	3.6	.67	5.3	360531	3.5
23956M	280	11.0236	380	14.9606	75	2.9528	.08	55.1	750	189930	.18	1	3.7	.67	5.6	397168	3.7
23960M	300	11.8110	420	16.5354	90	3.5433	.10	88.2	670	264104	.20	1	3.4	.67	5.0	508204	3.3
23964M	320	12.5984	440	17.3228	90	3.5433	.10	92.6	630	273095	.19	1	3.6	.67	5.3	541470	3.5
23968M	340	13.3858	460	18.1102	90	3.5433	.10	97.0	600	293549	.18	1	3.7	.67	5.6	604856	3.7
23972M	360	14.1732	480	18.8976	90	3.5433	.10	101	560	276467	.17	1	4.0	.67	5.9	567993	3.9
23976M	380	14.9606	520	20.4724	106	4.1732	.12	152	530	401214	.19	1	3.6	.67	5.3	842887	3.5
23980M	400	15.7480	540	21.2598	106	4.1732	.12	159	500	415824	.18	1	3.7	.67	5.6	896832	3.7
23984M	420	16.5354	560	22.0472	106	4.1732	.12	165	480	440549	.18	1	3.7	.67	5.6	928300	3.7
23988M	440	17.3228	600	23.6220	118	4.6457	.12	225	450	427017	.18	1	3.7	.67	5.6	1054171	3.7
23992M	460	18.1102	620	24.4094	118	4.6457	.12	234	430	518094	.18	1	3.7	.67	5.6	1131941	3.7
23996M	480	18.8976	650	25.5905	128	5.0394	.16	280	400	567544	.18	1	3.7	.67	5.6	1236235	3.7
239/500M	500	19.6850	670	26.3779	128	5.0394	.16	291	380	840639	.17	1	4.0	.67	5.9	1756577	3.9
239/530M	530	20.8661	710	27.9527	136	5.3543	.16	346	360	669815	.18	1	3.7	.67	5.6	1518321	3.7
239/560M	560	22.0472	750	29.5275	140	5.5118	.16	397	340	669815	.17	1	4.0	.67	5.9	1674761	3.9
239/600M	600	23.6220	800	31.4960	150	5.9055	.16	478	320	818163	.17	1	4.0	.67	5.9	1892563	3.9
239/630M	630	24.8031	850	33.4645	165	6.4960	.20	613	300	964263	.18	1	3.7	.67	5.6	2227471	3.7
239/670M	670	26.3779	900	35.4330	170	6.6929	.20	701	280	982245	.17	1	4.0	.67	5.9	2315131	3.9
239/710M	710	27.9527	950	37.4015	180	7.0866	.20	818	260	1051924	.18	1	3.7	.67	5.6	2748937	3.7
239/750M	750	29.5275	1000	39.3700	185	7.2834	.20	924	260	1230391	.17	1	4.0	.67	5.9	2941115	3.9
239/800M	800	31.4960	1060	41.7322	195	7.6772	.20	1076	240	1378065	.17	1	4.0	.67	5.9	3375146	3.9
239/850M	850	33.4645	1120	44.0944	200	7.8740	.20	1215	220	1449767	.16	1	4.2	.67	6.3	3569348	4.1
24024M	120	4.7244	180	7.0866	60	2.3622	.08	11.9	1500	92156	.32	1	2.1	.67	3.1	166330	2.1
24026M	130	5.1181	200	7.8740	69	2.7165	.08	17.5	1400	119128	.34	1	2.0	.67	3.0	202293	1.9
24028M	140	5.5118	210	8.2677	69	2.7165	.08	18.6	1300	123624	.32	1	2.1	.67	3.1	222522	2.1
24030M	150	5.9055	225	8.8582	75	2.9528	.08	23.2	1200	139357	.33	1	2.0	.67	3.0	256238	2.0
24032M	160	6.2992	240	9.4488	80	3.1496	.08	28.2	1100	161834	.32	1	2.1	.67	3.1	296696	2.1
24034M	170	6.6929	260	10.2362	90	3.5433	.08	38.4	1000	197998	.34	1	2.0	.67	3.0	361880	1.9
24036M	180	7.0866	280	11.0236	100	3.9370	.08	50.5	950	231513	.36	1	1.9	.67	2.8	427063	1.8
24038M	190	7.4803	290	11.4173	100	3.9370	.08	52.9	900	242752	.34	1	2.0	.67	3.0	445045	1.9
24040M	200	7.8740	310	12.2047	109	4.2913	.08	67.3	850	225894	.35	1	1.9	.67	2.9	400091	1.9
24044M	220	8.6614	340	13.3858	118	4.6457	.10	87.3	750	267476	.34	1	2.0	.67	3.0	471567	1.9
24048M	240	9.4488	360	14.1732	118	4.6457	.10	93.5	700	306041	.32	1	2.1	.67	3.1	581973	2.1
24052M	260	10.2362	400	15.7480	140	5.5118	.12	142	630	402662	.35	1	1.9	.67	2.9	776787	1.9
24056M	280	11.0236	420	16.5354	140	5.5118	.12	151	600	399067	.33	1	2.0	.67	3.0	795887	2.0
24060M	300	11.8110	460	18.1102	160	6.2992	.12	214	560	491868	.35	1	1.9	.67	2.9	969131	1.9
24064M	320	12.5984	480	18.8976	160	6.2992	.12	220	530	507980	.33	1	2.0	.67	3.0	1117107	2.0
24068M	340	13.3858	520	20.4724	180	7.0866	.16	306	480	721512	.34	1	2.0	.67	3.0	1335134	1.9
24072M	360	14.1732	540	21.2598	180	7.0866	.16	320	450	746236	.33	1	2.0	.67	3.0	1420546	2.0
24076M	380	14.9606	560	22.0472	180	7.0866	.16	335	430	770961	.31	1	2.2	.67	3.2	1530684	2.1
24080M	400	15.7480	600	23.6220	200	7.8740	.16	441	400	903575	.33	1	2.0	.67	3.0	1737472	2.0
24084M	420	16.5354	620	24.4094	200	7.8740	.16	459	380	923805	.32	1	2.1	.67	3.1	1813894	2.1
24088M	440	17.3228	650	25.5905	212	8.3464	.20	536	360	1011465	.32	1	2.1	.67	3.1	2009444	2.1
24092M	460	18.1102	680	26.7716	218	8.5827	.20	604	350	1112612	.31	1	2.2	.67	3.2	2213985	2.1
24096M	480	18.8976	700	27.5590	218	8.5827	.20	624	340	1117107	.30	1	2.2	.67	3.3	2270177	2.2

* Maximum shaft and housing radii that bearing will clear.

24100 EXTRA LIGHT / LIGHT, EXTRA WIDE SERIES

With Bronze (M) Cage



Bearing Number	Dimensions						Fillet Radius* (in)	Approx. Wt. (lbs)	SL Lmtg. Speed ≠ rpm	Dynamic Load Rating (c)		Dyn. Load Rating Calc. $\frac{F_a}{F} \le e$		$\frac{F_a}{F} > e$		Static Load Rating (Co)	
	Bore		OD		Width												
	mm	inch	mm	inch	mm	inch				(lbs)	(e)	X^r	Y	X^r	Y	(lbs)	Yo
24122M	110	4.3307	180	7.0866	69	2.7165	.08	15.1	1600	123624	.39	1	1.7	.67	2.6	202293	1.7
24124M	120	4.7244	200	7.8740	80	3.1496	.08	22.3	1400	141605	.40	1	1.7	.67	2.5	236009	1.6
24126M	130	5.1181	210	8.2677	80	3.1496	.08	23.8	1300	146101	.37	1	1.8	.67	2.7	247247	1.8
24128M	140	5.5118	225	8.8582	85	3.3464	.08	28.4	1200	166330	.37	1	1.8	.67	2.5	287706	1.8
24130M	150	5.9055	250	9.8425	100	3.9370	.08	43.2	1100	183862	.40	1	1.7	.67	2.5	305013	1.6
24132M	160	6.2992	270	10.6299	109	4.2913	.08	55.6	1000	211284	.41	1	1.6	.67	2.5	350192	1.6
24134M	170	6.6929	280	11.0236	109	4.2913	.08	58.7	950	222522	.39	1	1.7	.67	2.6	370871	1.7
24136M	180	7.0866	300	11.8110	118	4.6457	.10	73.4	900	328164	.40	1	1.7	.67	2.5	581136	1.6
24138M	190	7.4803	320	12.5984	128	5.0394	.10	92.6	850	346146	.41	1	1.6	.67	2.5	618118	1.6
24140M	200	7.8740	340	13.3858	140	5.5118	.10	114	800	314678	.42	1	1.6	.67	2.4	536076	1.6
24144M	220	8.6614	370	14.5669	150	5.9055	.12	143	700	356823	.41	1	1.6	.67	2.5	373002	1.6
24148M	240	9.4488	400	15.7480	160	6.2992	.12	177	670	422659	.41	1	1.6	.67	2.5	781281	1.6
24152M	260	10.2362	440	17.3228	180	7.0866	.12	245	600	631604	.42	1	1.6	.67	2.4	1006970	1.6
24156M	280	11.0236	460	18.1102	180	7.0866	.16	260	560	645090	.39	1	1.7	.67	2.6	1096878	1.7
24160M	300	11.8110	500	19.6850	200	7.8740	.16	346	500	788943	.40	1	1.7	.67	2.5	1353115	1.6
24164M	320	12.5984	540	21.2598	218	8.5827	.16	445	480	914814	.41	1	1.6	.67	2.5	1548666	1.6
24168M	340	13.3858	580	22.8346	243	9.5669	.16	580	450	1103621	.43	1	1.6	.67	2.3	1847609	1.5

* Maximum shaft and housing radii that bearing will clear.

SPHERICAL SHAKER SCREEN BEARINGS

Bearing Number		Basic Radial Load (lbs.)	
		Dynamic Load Rating (Cr)	Static Load Rating (Cor)
22208	MAW33C4F80	17550	19488
22308	MAW33C4F80	28040	30344
22309	MAW33C4F80	33705	39322
22310	MAW33C4F80	43830	49449
22311	MAW33C4F80	49449	57316
22312	MAW33C4F80	58440	69679
22313	MAW33C4F80	62936	74174
22314	MAW33C4F80	76422	94403
22315	MAW33C4F80	85413	106766
22316	MAW33C4F80	92156	112385
22317	MAW33C4F80	103,394	128,119
22318	MAW33C4F80	119,128	150,596
22319	MAW33C4F80	128,119	166,330
22320	MAW33C4F80	150,596	197,798
22322	MAW33C4F80	179,816	238,256
22324	MAW33C4F80	209,036	276,467
22326	MAW33C4F80	242,751	325,917
22328	MAW33C4F80	278,715	386,604
22330	MAW33C4F80	314,678	442,797
22332	MAW33C4F80	341,650	485503
22334	MAW33C4F80	379,861	534,953
22336	MAW33C4F80	427,063	606,879
22340	MAW33C4F80	424,365	624,186
23328	MAW33C4F80	269,720	382,100
23332	MAW33C4F80	346,146	494,490