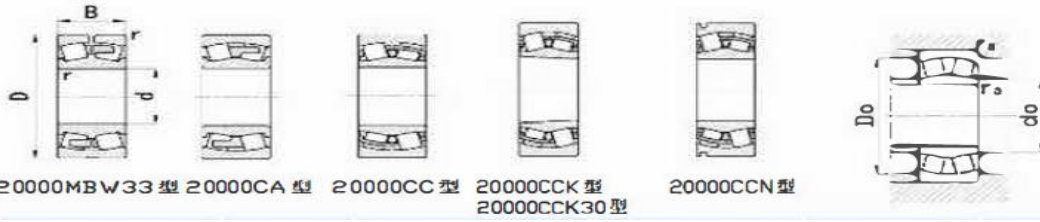


【05】 Spherical Roller Bearings



Boundary dimensions (mm)				Load ratings (KN)		Bearing No.		Limiting speeds(r/min)		Mounting dimensions (mm)			Mass (kg)
d	D	B	r _{smin}	Cr	Cor	Cylindrical bore	Tapered bore	Grease	Oil	da	Da	ra	kg
20	52	15	1.1	33.7	32.1	21304CA	21304CAK	9500	12000	27	45	1.0	0.18
25	52	18	1	43.2	45	22205CC	22205CCK	9000	11000	30	46	1.0	0.18
	52	18	1	43.2	45	22205CA	22205CAK	8500	11000	30	46	1.0	0.18
25	62	17	1.1	48	49.3	21305CA	21305CAK	7500	9000	32	55	1.0	0.28
	62	20	1	56	61	22206CA	22206CAK	7000	8500	36	56	1.0	0.3
30	62	20	1	56	61	22206CC	22206CCK	7200	8600	36	56	1.0	0.28
	72	19	1.1	61.1	62.9	21306CA	21306CAK	6000	7500	37	65	1.0	0.41
35	72	23	1.1	73.2	83.1	22207CA	22207CAK	6600	8000	42	65	1.0	0.45
	72	23	1.1	73.2	83.1	22207CC	22207CCK	6800	8300	42	65	1.0	0.44
35	80	21	1.5	70.1	74.7	21307CA	21307CAK	5300	7000	44	71	1.5	0.54
	80	23	1.1	86.9	93.5	22208MB	22208MBK	6000	7300	47	73	1.0	0.55
40	80	23	1.1	86.9	93.5	22208CA	22208CAK	6500	7500	47	73	1.0	0.54
	80	23	1.1	86.9	93.5	22208CC	22208CCK	6500	7600	47	73	1.0	0.52
40	90	23	1.5	90	99	21308CA	21308CAK	5000	6000	49	81	1.5	0.75
	90	23	1.5	90	99	21308CC	21308CCK	5000	6000	49	81	1.5	0.74
40	90	33	1.5	112	123.2	22308MB	22308MBK	5500	6500	49	81	1.5	1.03
	90	33	1.5	123.6	142.1	22308CA	22308CAK	6000	7000	49	81	1.5	1
40	90	33	1.5	123.6	142.1	22308CC	22308CCK	6000	7000	49	81	1.5	1.02
	85	23	1.1	93	102	22209MB	22209MBK	5000	6000	52	78	1.0	0.59
45	85	23	1.1	93	102	22209CA	22209CAK	5000	7000	52	78	1.0	0.58
	85	23	1.1	93	102	22209CB	22209CBK	5500	7000	52	78	1.0	0.57
45	100	25	1.5	114.7	120.3	21309CA	21309CAK	4000	5000	54	91	1.5	1.02
	100	25	1.5	114.7	120.3	21309CC	21309CCK	4000	5000	54	91	1.5	1
45	100	36	1.5	130	150	22309MB	22309MBK	4500	5500	54	91	1.5	1.4
	100	36	1.5	156	175	22309CA	22309CAK	5000	6300	54	91	1.5	1.38
45	100	36	1.5	156	175	22309CC	22309CCK	5000	6300	54	91	1.5	1.37
	90	23	1.1	90	105	22210MB	22210MBK	4300	5000	57	83	1.0	0.87
50	90	23	1.1	95	112	22210CA	22210CAK	4800	5500	57	83	1.0	0.62
	90	23	1.1	95	112	22210CC	22210CCK	4800	5500	57	83	1.0	0.61
50	110	27	2	128.7	144	21310CA	21310CAK	3000	4200	60	100	2.0	1.3
	110	27	2	128.7	144	21310CC	21310CCK	3000	4200	60	100	2.0	1.3
50	110	40	2	175	201.1	22310MB	22310MBK	4200	5200	60	100	2.0	1.9
	110	40	2	194.1	225.3	22310CA	22310CAK	4800	6000	60	100	2.0	1.85
50	110	40	2	194.1	225.3	22310CC	22310CCK	4800	6000	60	100	2.0	1.79
	100	25	1.5	100	121	22211MB	22211MBK	4000	5000	64	91	1.5	0.86
55	100	25	1.5	115	139	22211CA	22211CAK	4500	5500	64	91	1.5	0.84
	100	25	1.5	115	139	22211CC	22211CCK	4500	5600	64	91	1.5	0.85
55	120	29	2	149.6	174.6	21311CA	21311CAK	3000	4000	65	110	2.0	1.65
	120	29	2	149.6	174.6	21311CC	21311CCK	3000	4000	65	110	2.0	1.65
55	120	43	2	196	220	22311MB	22311MBK	3700	4300	65	110	2.0	2.4
	120	43	2	224	255.2	22311CA	22311CAK	4100	4800	65	110	2.0	2.35
55	120	43	2	224	255.2	22311CB	22311CCK	4100	4800	65	110	2.0	2.31
	110	28	1.5	110	132	22212MB	22212MBK	3500	4300	69	101	1.5	1.22
60	110	28	1.5	140	166	22212CA	22212CAK	3800	4800	69	101	1.5	1.2
	110	28	1.5	140	166	22212CC	22212CCK	3800	4800	69	101	1.5	1.15
60	130	31	2.1	170.4	210.2	21312CA	21312CAK	3000	3800	72	118	2.1	2.08
	130	31	2.1	170.4	210.2	21312CC	21312CCK	3000	3800	72	118	2.1	2.08
60	130	46	2.1	220	267	22312MB	22312MBK	3500	4300	72	118	2.1	3
	130	46	2.1	253.2	229.2	22312CA	22312CAK	4000	4800	72	118	2.1	2.95
60	130	46	2.1	253.2	299.2	22312CC	22312CCK	4000	4800	72	118	2.1	2.88
	120	31	1.5	160	198	22213MB	22213MBK	3200	4400	74	111	1.5	1.63
65	120	31	1.5	166.6	208.5	22213CA	22213CAK	3800	5000	74	111	1.5	1.6
	120	31	1.5	166.6	208.5	22213CC	22213CCK	3800	5000	74	111	1.5	1.54
65	140	33	2.1	193.4	238.5	21313CA	21313CAK	2500	3600	77	128	2.1	2.57
	140	33	2.1	193	238.5	21313CC	21313CCK	2500	3600	77	128	2.1	2.57
65	140	48	2.1	260	330	22313MB	22313MBK	3300	3800	77	128	2.1	3.6
	140	48	2.1	295	351.6	22313CA	22313CAK	3900	4500	77	128	2.1	3.55
65	140	48	2.1	295	351.6	22313CC	22313CCK	3900	4500	77	128	2.1	3.47

70	125	31	1.5	175	218	22214MB	22214MBK	3100	4000	79	116	1.5	1.66
	125	31	1.5	174.5	221	22214CA	22214CAK	3600	4600	79	116	1.5	1.7
	125	31	1.5	175	221	22214CC	22214CCK	3600	4600	79	116	1.5	1.6
	150	35	2.1	224.8	278.5	21314CA	21314CAK	2300	3200	82	138	2.1	3.11
	150	35	2.1	224.8	278.5	21314CC	21314CCK	2300	3200	82	138	2.1	3.11
	150	51	2.1	301	370	22314MB	22314MBK	3100	3800	82	138	2.1	4.4
	150	51	2.1	323.8	394.8	22314CA	22314CAK	3600	4200	82	138	2.1	4.4
150	51	2.1	323.8	394.8	22314CC	22314CCK	3600	4200	82	138	2.1	4.34	
75	130	31	1.5	187	238	22215MB	22215MBK	2900	3800	84	121	1.5	1.75
	130	31	1.5	187.2	238	22215CA	22215CAK	3400	4300	84	121	1.5	1.8
	130	31	1.5	187.2	238	22215CC	22215CCK	3400	4300	84	121	1.5	1.69
	160	37	2.1	249.4	312.3	21315CA	21315CAK	2100	2800	87	148	2.1	3.76
	160	37	2.1	249.4	312.3	21315CC	21315CCK	2100	2800	87	148	2.1	3.76
	160	55	2.1	340	430	22315MB	22315MBK	2800	3200	87	148	2.1	5.4
	160	55	2.1	362.7	455.8	22315CA	22315CAK	3200	3800	87	148	2.1	5.25
160	55	2.1	362.7	455.8	22315CC	22315CCK	3200	3800	87	148	2.1	5.28	
80	140	33	2	181	238	22216MB	22216MBK	2800	3600	90	130	2	2.2
	140	33	2	210	265	22216CA	22216CAK	3200	4000	90	130	2	2.2
	140	33	2	210	265	22216CC	22216CCK	3200	4000	90	130	2	2.13
	170	39	2.1	280	360	21316CA	21316CAK	1900	2600	92	158	2.1	4.47
	170	39	2.1	280	360	21316CC	21316CCK	1900	2600	92	158	2.1	4.47
	170	58	2.1	401	511	22316MB	22316MBK	2500	3000	92	158	2.1	6.4
	170	58	2.1	439.4	531.5	22316CA	22316CAK	3000	3600	92	158	2.1	6.39
170	58	2.1	439.4	531.5	22316CC	22316CCK	3000	3600	92	158	2.1	6.32	
85	150	36	2	237.4	310.3	22217MB	22217MBK	2700	3300	95	140	2	2.8
	150	36	2	256	330	22217CA	22217CAK	3100	3900	95	140	2	2.7
	150	36	2	256	330	22217CC	22217CCK	3100	3900	95	140	2	2.67
	180	41	3	310.4	397	21317CA	21317CAK	1800	2400	99	166	2.5	5.23
	180	41	3	310.3	397	21317CC	21317CCK	1800	2400	99	166	2.5	5.23
	180	60	3	410	532	22317MB	22317MBK	2200	2700	99	166	2.5	7.4
	180	60	3	450	570.6	22317CA	22317CAK	2700	3300	99	166	2.5	7.25
180	60	3	450	570.6	22317CC	22317CCK	2700	3300	99	166	2.5	7.27	
90	160	40	2	262	360	22218MB	22218MBK	2500	3200	100	150	2	4
	160	40	2	281.5	373.8	22218CA	22218CAK	2900	3700	100	150	2	3.28
	160	40	2	281.5	373.8	22218CC	22218CCK	2900	3700	100	150	2	3.38
	160	52.4	2	365	497	23218CA	23218CAK	1900	2400	100	150	2	4.6
	160	52.4	2	365	496.5	23218CC	23218CCK	1900	2400	100	150	2	4.4
	190	43	3	346.2	430	21318CA	21318CAK	1700	2300	104	176	2.5	6.17
	190	43	3.0	346.2	430.0	21318CC	21318CCK	1700	2300	104	176	2.5	6.17
	190	64	3.0	482	619.0	22318MB	22318MBK	2100	2600	104	176	2.5	8.8
	190	64	3.0	505.8	655.3	22318CA	22318CAK	2600	3100	104	176	2.5	8.6
190	64	3.0	505.8	655.3	22318CC	22318CCK	2600	3100	105	176	2.5	8.6	
95	170	43	2.1	300	398.0	22219MB	22219MBK	2300	3000	107	158	2.1	4.2
	170	43	2.1	316.5	415.1	22219CA	22219CAK	2700	3500	107	158	2.1	4.1
	170	43	2.1	316.5	415.1	22219CC	22219CCK	2700	3500	107	158	2.1	4.2
	200	45	3.0	386.5	500.0	21319CA	21319CAK	1700	2200	109	186	2.5	7.2
	200	45	3.0	386.5	500.0	21319CC	21319CCK	1700	2200	109	186	2.5	7.2
	200	67	3.0	519	689.0	22319MB	22319MBK	2000	2500	109	186	2.5	10.3
	200	67	3.0	555.1	727.0	22319CA	22319CAK	2400	2900	109	186	2.5	10.1
200	67	3.0	555.1	727.0	22319CC	22319CCK	2400	2900	109	186	2.5	10.0	
100	165	52	2.0	360	540.0	23120CA	23120CAK	1800	2200	110	155	2.0	5.0
	165	52	2.0	362	545.0	23120CC	23120CCK	1800	2200	110	155	2.0	4.3
	150	50	1.5	250.8	448.0	24020CA	24020CAK30	1500	2000	110	140	1.5	3.0
	150	50	1.5	250.8	461.0	24020CC	24020CCK30	1500	2000	110	140	1.5	3.0
	180	46	2.1	341	450.0	22220MB	22220MBK	2100	2800	112	168	2.1	5.0
	180	46	2.1	361.9	478.9	22220CA	22220CAK	2500	3200	112	168	2.1	5.0
	180	46	2.1	361.9	478.9	22220CC	22220CCK	2600	3200	112	168	2.1	5.0
	180	60.3	2.1	438	640.1	23220CA	23220CAK	1600	2200	112	168	2.1	6.7
	180	60.3	2.1	438	640.1	23220CC	23220CCK	1600	2200	112	168	2.1	6.5
	215	47	3.0	437.7	546.0	21320CA	21320CAK	1600	2000	114	201	2.5	8.8
	215	47	3.0	437.7	546.0	21320CC	21320CCK	1600	2000	114	201	2.5	8.8
	215	73	3.0	601	796.0	22320MB	22320MBK	1900	2400	114	201	2.5	13.0
215	73	3	644.7	851	22320CA	22320CAK	2200	2700	114	201	2.5	13.4	
215	73	3	644.7	851	22320CC	22320CCK	2200	2700	114	201	2.5	12.8	

105	175	56	2	405.4	587.5	23121CA	23121CAK	1500	1900	119	161	2.5	6.64
	225	49	2	455	575	21321CA	21321CAK	1500	1900	119	211	2.5	10
	225	49	2	455	575	21321CC	21321CCK	1500	1900	119	211	2.5	10
110	170	45	2	284.9	461.7	23022MB	23022MBK	1600	1900	120	160	2	3.9
	170	45	2	284.9	461.7	23022CA	23022CAK	1800	2200	120	160	2	3.9
	170	45	2	284.9	461.7	23022CC	23022CCK	1800	2200	120	160	2	3.68
	180	56	2	359	578	23122MB	23122MBK	1300	1700	120	170	2	6.1
	180	56	2	389.5	620	23122CA	23122CAK	1500	2000	120	170	2	6.25
	180	56	2	389.5	620	23122CC	23122CCK	1500	2000	120	170	2	5.51
	180	69	2	472	798	24122CA	24122CAK30	1600	2000	120	170	2	6.63
	180	69	2	472	798	24122CC	24122CCK30	1600	2000	120	170	2	6.63
	200	53	2.1	421	598	22222MB	22222MBK	2000	2600	122	188	2.1	7.4
	200	53	2.1	463	651	22222CA	22222CAK	2300	3000	122	188	2.1	7.2
	200	53	2.1	463	651	22222CC	22222CCK	2400	3000	122	188	2.1	7.32
	200	69.8	2.1	541.6	811.2	23222CA	23222CAK	1500	1900	122	188	2.1	9.7
	200	69.8	2.1	541.6	811.2	23222CC	23222CCK	1500	1900	122	188	2.1	9.46
	240	50	3	480	635	21322CA	21322CAK	1400	1800	124	226	2.5	11.8
	240	50	3	480	635	21322CC	21322CCK	1400	1800	124	226	2.5	11.8
	240	80	3	750	930	22322MB	22322MBK	1500	2000	124	226	2.5	18.1
	240	80	3	779.4	990.3	22322CA	22322CAK	1800	2200	124	226	2.5	18
240	80	3	779.4	990.3	22322CC	22322CCK	1900	2300	124	226	2.5	17.5	
120	180	46	2	271	453	23024MB	23024MBK	1500	1800	130	170	2	4.3
	180	46	2	359	565	23024CA	23024CAK	1700	2100	130	170	2.0	4.3
	180	46	2	359	565	23024CC	23024CCK	1700	2100	130	170	2	3.98
	180	60	2	390	700	24024CA	24024CAK30	1500	2000	130	170	2	5.05
	180	60	2	391	700	24024CC	24024CCK30	1500	2000	130	170	2	5.05
	200	62	2	452	710	23124MB	23124MBK	1200	1600	130	190	2	7.63
	200	62	2	531	780	23124CA	23124CAK	1300	1700	130	190	2	7.63
	200	62	2	530	780	23124CC	23124CCK	1400	1800	130	190	2	7.67
	200	80	2	645	1028	24124CA	24124CAK30	1400	1800	130	190	2	9.65
	200	80	2	645	1028	24124CC	24124CCK30	1400	1800	130	190	2	9.65
	215	58	2.1	496	701	22224MB	22224MBK	1800	2200	132	203	2.1	9.2
	215	58	2.1	529	740	22224CA	22224CAK	2100	2800	132	203	2.1	9
	215	58	2.1	529	740	22224CC	22224CCK	2100	2800	132	203	2.1	9.1
	215	76	2.1	668	970	23224CA	23224CAK	1300	1800	132	203	2.1	12
	215	76	2.1	668	970	23224CC	23224CCK	1300	1800	132	203	2.1	11.7
130	260	86	3	860	1012	22324MB	22324MBK	1400	1900	134	246	2.5	22
	260	86	3	919.8	1187	22324CA	22324CAK	1800	2200	134	246	2.5	22
	260	86	3	919.8	1187	22324CC	22324CCK	1900	2200	134	246	2.5	22.2
	200	52	2	382	615	23026MB	23026MBK	1300	1700	140	190	2	6.2
	200	52	2	408.8	681.7	23026CA	23026CAK	1600	2000	140	190	2	6.2
	200	52	2	408.8	681.7	23026CC	23026CCK	1600	2000	140	190	2	5.85
	200	69	2	472	852	24026CA	24026CAK30	1400	1900	140	190	2	7.55
	200	69	2	486	878	24026CC	24026CCK30	1400	1900	140	190	2	7.55
	210	64	2	508	814.8	23126CA	23126CAK	1300	1700	140	200	2	8.49
	210	64	2	508	814.8	23126CC	23126CCK	1300	1700	140	200	2	8.49
	210	80	2	608.4	1043	24126CA	24126CAK30	1250	1600	140	200	2.0	10.3
	210	80	2	608.4	1043	24126CC	24126CCK30	1300	1700	140	200	2.0	10.3
	230	64	3	582	839	22226MB	22226MBK	1500	1900	144	216	2.5	11.2
	230	64	3	625	896	22226CA	22226CAK	2000	2600	144	216	2.5	11.2
	230	64	3	625	896	22226CC	22226CCK	2000	2600	144	216	2.5	11.2
230	80	3	769.9	1193	23226CA	23226CAK	1200	1600	144	216	2.5	14	
230	80	3	769.9	1193	23226CC	23226CCK	1200	1600	144	216	2.5	13.8	
280	93	4	986	1356	22326MB	22326MBK	1100	1500	148	262	3.0	29	
280	93	4	1054	1433	22326CA	22326CAK	1500	1900	148	262	3.0	28.5	
280	93	4	1054	1433	22326CC	22326CCK	1500	1900	148	262	3.0	27.5	
210	53	2	434.2	731.9	23028MB	23028MBK	1100	1600	150	200	2.0	6.7	

140	210	53	2	444	731.9	23028CA	23028CAK	1500	1900	150	200	2.0	6.7
	210	53	2	450	731.9	23028CC	23028CCK	1600	1900	150	200	2.0	6.31
	210	69	2	509	911	24028CA	24028CAK	1300	1700	150	200	2.0	8.01
	210	69	2	509	911	24028CC	24028CCK	1300	1700	150	200	2.0	8.01
	225	68	2.1	523	862	23128MB	23128MBK	1000	1400	152	213	2.1	10.9
	225	68	2.1	567	912.7	23128CA	23128CAK	1100	1500	152	213	2.1	10.9
	225	68	2.1	567	912.7	23128CC	23128CCK	1200	1600	152	213	2.1	10.2
	225	85	2.1	673.2	1169	24128CA	24128CAK	1200	1600	152	213	2.1	12.5
	225	85	2.1	673.2	1169	24128CC	24128CCK	1200	1600	152	236	2.5	12.5
	250	68	3	653	911	22228MB	22228MBK	1400	1800	154	236	2.5	14.5
	250	68	3	720	990	22228CA	22228CAK	1900	2400	154	236	2.5	14.5
	250	68	3	720	990	22228CC	22228CCK	1900	2400	154	236	2.5	14.2
	250	88	3	846.5	1325	23228CA	23228CAK	1100	1500	154	236	2.5	18.5
	250	88	3	846.5	1325	23228CC	23228CCK	1100	1500	154	236	2.5	18.1
300	102	4	1082	1566	22328MB	22328MBK	1000	1400	158	282	3	36	
300	102	4	1190	1668	22328CA	22328CAK	1400	1500	158	282	3	34.5	
300	102	4	1190	1668	22328CC	22328CCK	1400	1700	158	282	3	34.6	
150	225	56	2.1	463	781	23030MB	23030MBK	1000	1300	162	213	2.1	8.14
	225	56	2.1	481.1	819.7	23030CA	23030CAK	1400	1800	162	213	2.1	8.14
	225	56	2.1	481.1	819.7	23030CC	23030CCK	1400	1800	162	213	2.1	7.74
	225	75	2.1	596.4	1095	24030CA	24030CAK30	1200	1500	162	213	2.1	10.6
	225	75	2.1	596.4	1095	24030CC	24030CCK30	1200	1500	162	213	2.1	10.1
	250	80	2.1	726	1198	23130MB	23130MBK	900	1200	162	238	2.1	16.1
	250	80	2.1	768.9	1280	23130CA	23130CAK	1100	1400	162	238	2.1	16.1
	250	80	2.1	768.9	1280	23130CC	23130CCK	1100	1400	162	238	2.1	15.7
	250	100	2.1	897	1559	24130CA	24130CAK30	1100	1400	162	238	2.1	19
	250	100	2.1	897	1559	24130CC	24130CCK30	1100	1400	162	238	2.1	19
	270	73	3	801	1101	22230MB	22230MBK	1300	1700	164	256	2.5	18.5
	270	73	3	970	1330	22230CA	22230CAK	1800	2000	164	256	2.5	18.6
	270	73	3	970	1330	22230CC	22230CCK	1800	2000	164	256	2.5	18
	270	96	3	1036	1586	23230CA	23230CAK	1000	1400	164	256	2.5	24
270	96	3	1036	1586	23230CC	23230CCK	1000	1400	164	256	2.5	23.2	
320	108	4	1215	1790	22330MB	22330MBK	900	1300	168	302	3	43	
320	108	4	1279	1850	22330CA	22330CAK	1200	1500	168	302	3	42.5	
320	108	4	1279	1905	22330CC	22330CCK	1200	1500	168	302	3	42	
160	240	60	2.1	551	925	23032MB	23032MBK	900	1100	172	228	2.1	10
	240	60	2.1	600	1000	23032CA	23032CAK	1300	1700	172	228	2.1	10
	240	60	2.1	600	1000	23032CC	23032CCK	1300	1700	172	228	2.1	9.43
	240	80	2.1	699.4	1303	24032CA	24032CAK30	1150	1400	172	228	2.1	12.2
	240	80	2.1	699.4	1303	24032CC	24032CCK30	1150	1400	172	228	2.1	12.2
	270	86	2.1	536	1140	23132MB	23132MBK	800	1000	172	258	2.1	19.7
	270	86	2.1	870	1460	23132CA	23132CAK	900	1250	172	258	2.1	19.7
	270	86	2.1	870	1480	23132CC	23132CCK	1000	1300	172	258	2.1	19.8
	270	109	2.1	1093	1912	24132CA	24132CAK30	1000	1300	172	258	2.1	24.6
	270	109	2.1	1093	1912	24132CC	24132CCK30	1000	1300	172	258	2.1	24.4
	290	80	3	885	1201	22232MB	22232MBK	1200	1600	174	276	2.5	22.2
	290	80	3	915.7	1289	22232CA	22232CAK	1700	1900	174	276	2.5	23.1
	290	80	3	915.7	1289	22232CC	22232CCK	1700	1900	174	276	2.5	22.9
	290	104	3	1142	1802	23232CA	23232CAK	950	1300	174	276	2.5	30
290	104	3	1142	1802	23232CC	23232CCK	950	1300	174	276	2.5	29.4	
340	114	4	1411	1981	22332MB	22332MBK	850	1200	178	322	3	51	
340	114	4	1460	2063	22332CA	22332CAK	1100	1400	178	322	3	51	
340	114	4	1460	2063	22332CC	22332CCK	1100	1400	178	322	3	51	
170	260	67	2.1	621	1086	23034MB	23034MBK	850	1050	182	248	2.1	13
	260	67	2.1	726	1151	23034CA	23034CAK	1200	1600	182	248	2.1	13
	260	67	2.1	733	1151	23034CC	23034CCK	1200	1600	182	248	2.1	12.8
	260	90	2.1	826.3	1517	24034CA	24034CAK30	1100	1350	182	248	2.1	16.7
	260	90	2.1	826.3	1517	24034CC	24034CCK30	1100	1350	182	248	2.1	16.7
	280	88	2.1	977.3	1618	23134CA	23134CAK	950	1200	182	268	2.1	21.1
	280	88	2.1	977.3	1618	23134CC	23134CCK	950	1200	182	268	2.1	21.1
	280	109	2.1	1125	1970	24134CA	24134CAK30	950	1250	182	268	2.1	25.5
	280	109	2.1	1125	1970	24134CC	24134CCK30	950	1250	182	268	2.1	25.5
	310	86	4	980.1	1408	22234MB	22234MBK	1100	1400	188	292	3	29.0
	310	86	4	1025	1495	22234CA	22234CAK	1300	1600	188	292	3	29.0
	310	86	4	1025	1495	22234CC	22234CCK	1300	1600	188	292	3	28.1
	310	110	4	1258	1997	23234CA	23234CAK	900	1200	188	292	3	35.7
	310	110	4	1258	1997	23234CC	23234CCK	900	1200	188	292	3	35.7
360	120	4	1486	2100	22334MB	22334MBK	800	1100	188	342	3	60.0	
360	120	4	1541	2188	22334CA	22334CAK	1000	1300	188	342	3	60.0	

180	280	74	2.1	715	1269	23036MB	23036MBK	800	1000	192	268	2.1	17.6
	280	74	2.1	830	1350	23036CA	23036CAK	1100	1500	192	268	2.1	17.6
	280	74	2.1	840	1350	23036CC	23036CCK	1100	1500	192	268	2.1	16.9
	280	100	2.1	990.9	1866	24036CA	24036CAK30	1050	1300	192	268	2.1	22.1
	280	100	2.1	990.9	1866	24036CC	24036CCK30	1050	1300	192	268	2.1	22.1
	300	96	3	950	1620	23136MB	23136MBK	750	900	194	286	2.5	27.1
	300	96	3	1166	1927	23136CA	23136CAK	900	1150	194	286	2.5	27.1
	300	96	3	1166	1927	23136CC	23136CCK	900	1150	194	286	2.5	26.9
	300	118	3	1266	2221	24136CA	24136CAK30	900	1200	194	286	2.5	32.0
	300	118	3	1266	2221	24136CC	24136CCK30	900	1200	194	286	2.5	32.0
	320	86	4	996	1506	22236MB	22236MBK	1000	1300	198	302	3	30.0
	320	86	4	1061	1591	22236CA	22236CAK	1300	1500	198	302	3	30.0
	320	86	4	1061	1591	22236CC	22236CCK	1300	1500	198	302	3	29.4
	320	112	4	1326	2116	23236CA	23236CAK	880	1100	198	302	3	37.9
320	112	4	1326	2116	23236CC	23236CCK	880	1100	198	302	3	37.9	
380	126	4	1828	2602	22336CA	22336CAK	950	1200	198	362	3	70.0	
190	290	75	2.1	723	1300	23038MB	23038MBK	750	950	202	278	2.1	20
	290	75	2.1	867	1490	23038CA	23038CAK	1050	1400	202	278	2.1	20
	290	75	2.1	877	1520	23038CC	23038CCK	1050	1400	202	278	2.1	17.7
	290	100	2.1	1025	1945	24038CA	24038CAK30	950	1200	202	278	2.1	23
	290	100	2.1	1025	1945	24038CC	24038CCK30	950	1200	202	278	2.1	23
	320	104	3	1185	1986	23138MB	23138MBK	700	850	204	306	2.5	35.3
	320	104	3	1235	2079	23138CA	23138CAK	850	1100	204	306	2.5	35.3
	320	104	3	1235	2079	23138CC	23138CCK	850	1100	204	306	2.5	17.7
	320	128	3	1491	2655	24138CA	24138CAK30	850	1100	204	306	2.5	40.2
	320	128	3	1491	2655	24138CC	24138CCK30	850	1100	204	306	2.5	40.2
	340	92	4	1213	1826	22238CA	22238CAK	1200	1500	208	322	3.0	35.3
	340	92	4	1213	1826	22238CC	22238CCK	1200	1500	208	322	3.0	35.3
	340	120	4	1539	2518	23238CA	23238CAK	780	1050	208	322	3.0	46.1
	340	132	5	1964	2814	22338CA	22338CAK	900	1100	212	378	4.0	81
200	310	82	2.1	947.7	1707	23040CA	23040CAK	1000	1300	212	298	2.1	24
	310	82	2.1	947.7	1707	23040CC	23040CCK	1000	1300	212	298	2.1	22.7
	310	109	2.1	1132	2165	24040CA	24040CAK30	850	1100	212	298	2.1	29.3
	310	109	2.1	1132	2165	24040CC	24040CCK30	850	1100	212	298	2.1	29.3
	340	112	3	1432	2502	23140CA	23140CAK	800	1000	214	326	2.5	50.7
	340	112	3	1432	2502	23140CC	23140CCK	800	1000	214	326	2.5	47.6
	340	140	3	1704	3082	24140CA	24140CAK	800	1000	214	326	2.5	49.55
	340	140	3	1704	3082	24140CC	24140CCK30	800	1000	214	326	2.5	49.9
	360	98	4	1333	2052	22240CA	22240CAK	1100	1400	218	342	3.0	47.7
	360	128	4	1733	2883	23240CC	23240CCK	730	1000	218	342	3.0	55.4
420	180	5	2147	3089	22340CA	22340CAK	800	1000	222	398	4.0	94	
220	340	90	3	1120	2047	23044CA	23044CAK	950	1200	234	326	2.5	28.8
	340	90	3	1120	2047	23044CC	23044CCK	950	1200	234	326	2.5	29.7
	340	118	3	1346	2565	24044CC	24044CCK30	750	1000	234	326	2.5	38.1
	370	120	4	1665	2944	23144CA	23144CAK	700	950	238	352	3.0	55
	370	120	4	1665	2944	23144CC	23144CCK	700	950	238	352	3.0	51.5
	370	150	4	1986	3671	24144CC	24144CCK30	700	950	238	352	3.0	62.3
	400	108	4	1603	2510	22244CA	22244CAK	1000	1300	238	382	3.0	61.5
	400	144	4	2087	3514	23244CC	23244CCK	670	900	238	382	3.0	78.5
240	460	145	5	2414	3533	22344CA	22344CAK	700	900	242	438	4.0	120
	360	92	3	1167	2154	23048CA	23048CAK	850	1100	254	346	2.5	35.5
	360	92	3	1167	2154	23048CC	23048CCK	850	1100	254	346	2.5	32.4
	360	118	3	1440	2930	24048CC	24048CCK30	700	950	254	346	2.5	40.8
	400	128	4	1914	3417	23148CA	23148CAK	670	850	258	382	3.0	55.5
	400	128	4	1914	3417	23148CC	23148CCK	670	850	258	382	3.0	63.7
	400	160	4	2160	4090	24148CC	24148CCK30	700	850	258	382	3.0	76.9
	440	120	4	1927	3077	22248CA	22248CAK	900	1000	258	422	3.0	80.4
	440	160	4	2560	4620	23248CC	23248CCK	630	800	258	422	3.0	107.3
	500	155	5	2580	4351	22348CA	22348CAK	630	800	262	478	4.0	153
260	400	104	4	1464	2850	23052CA	23052CAK	800	1000	278	382	3.0	515
	400	104	4	1464	2850	23052CC	23052CCK	800	1050	278	382	3.0	47.7
	400	140	4	1840	3850	24052CC	24052CCK30	630	850	278	382	3.0	62.4
	440	144	4	1470	3410	23152MB	23152MBK	450	560	278	422	3.0	95.3
	440	144	4	2270	4190	23152CC	23152CCK	600	800	278	422	3.0	88.2
	440	180	4	2730	5330	24152CC	24152CCK30	600	800	278	422	3	107.6
	540	165	6	2860	4310	22352CA	22352CAK	480	700	288	512	5	191.0
280	420	106	4	1610	2960	23056CA	23056CAK	450	560	298	402	3.0	62.0
	420	106	4	1580	3030	23056CC	23056CCK	700	900	298	402	3	50.9
	420	140	4	1960	4100	24056CC	24056CCK	600	800	298	402	3	65.8
	460	146	5	1635	3730	23156CA	23156CAK	430	530	302	438	4	103.0
	460	146	5	2380	4410	23156CC	23156CCK	560	750	302	438	4	94.1
	460	180	5	2810	5480	24156CC	24156CCK30	560	750	302	438	4	113.2
	500	130	5	2150	3480	22256CA	22256CAK	800	900	302	478	4	112.3
300	580	175	6	3490	5200	22356CA	22356CAK	450	600	308	552	5	238.0
	460	118	4	1690	3560	23060MB	23060MBK	430	530	318	442	3	75.2
	460	118	4	1730	3800	23060CC	23060CCK	670	850	318	442	3	71.4
	460	160	4	2430	5160	24060CC	24060CCK30	530	700	318	442	3	94.1
	500	160	5	2250	4550	23160MB	23160MBK	500	700	322	478	4	133.0
540	140	5	2520	2950	22260CA	22260CAK	700	850	322	518	4	134.0	