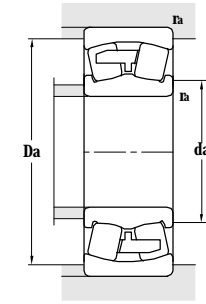
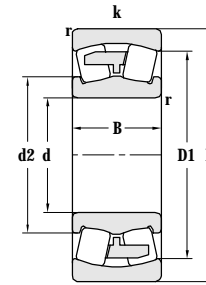
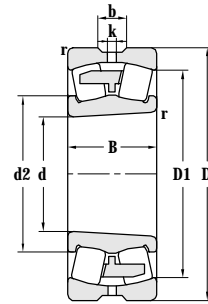
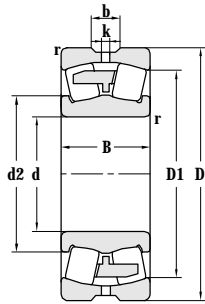


# Spherical Roller Bearing(CA)

d 318~340 mm

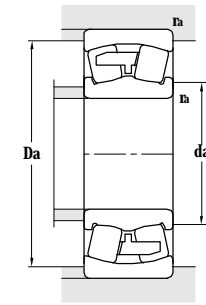
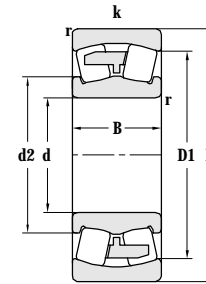
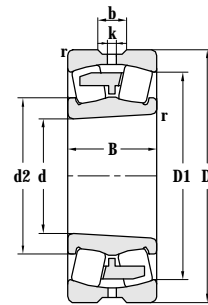
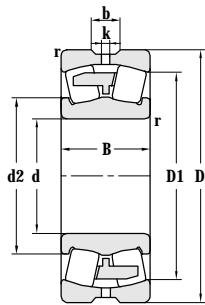


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>OR</sub>	Grease	Oil	
mm				kN		r/min		
<b>318</b>	620	224	6	4350	7600			<b>206/318/C9</b>
<b>320</b>	400	60	2.1	670	1620	920	1280	<b>23864CA/W33</b>
	400	60	2.1	670	1620	920	1280	<b>23864CAK/W33</b>
	440	90	3	1360	2650	900	1200	<b>23964CA</b> <b>23964CA/W33</b>
	440	90	3	1360	2650	900	1200	<b>23964CAK/W33</b>
	480	121	4	2130	3610	800	1000	<b>23064</b> <b>23064/W33</b>
	480	121	4	2130	3610	800	1000	<b>23064K</b>
	480	121	4	2130	3610	800	1000	<b>23064F3</b>
	480	121	4	2130	3610	800	1000	<b>23064/YA2</b>
	480	121	4	2130	3900	800	1000	<b>23064CA</b> <b>23064CA/W33</b>
	480	121	4	2130	3900	800	1000	<b>23064CAK</b> <b>23064CAK/W33</b>
	480	121	4	2130	3900	800	1000	<b>23064CAF3/W33</b>
	480	160	4	2700	5100	560	700	<b>24064CA</b> <b>24064CA/W33</b>
	480	160	4	2700	5100	560	700	<b>24064CAF3</b> <b>24064CAF3/W33</b>
	480	160	4	2700	5100	560	700	<b>24064CAK30/W33</b>
	540	176	5	2990	5350	630	800	<b>23164K/W33</b>
	540	176	5	3560	5700	630	800	<b>23164CA</b> <b>23164CA/W33</b>
	540	176	5	3560	5700	630	800	<b>23164CAK</b> <b>23164CAK/W33</b>
	540	210	5	4040	6750	340	430	<b>24164CA/W33</b> <b>24164CA/W33T</b>
	540	210	5	4040	6750	340	430	<b>24164CAK30/W33</b>
	580	150	5	3420	4660	670	850	<b>22264CA</b> <b>22264CA/W33</b>
	580	150	5	3420	4660	670	850	<b>22264CAK</b>
	580	150	5	3420	4660	700	900	<b>22264/W33</b>
	580	150	5	3420	4660	700	900	<b>22264K/W33</b>
	580	208	5	4180	6370	500	630	<b>23264</b> <b>23264/W33</b>
	580	208	5	4180	6820	500	630	<b>23264CA</b> <b>23264CA/W33</b>
	580	208	5	4180	6820	500	630	<b>23264CA/YA1W33</b>
	580	208	5	4180	6820	500	630	<b>23264CAF3</b> <b>23264CAF3/W33</b>
	580	208	5	4180	6820	500	630	<b>23264CAF3/W33</b>
	580	208	5	4180	6820	500	630	<b>23264CAK/W33</b>
	670	200	7.5	4530	6820	450	600	<b>22364CAK/W33</b>
<b>340</b>	460	90	3	1390	2660	900	1200	<b>23968CA/W33</b>
	460	90	3	1390	2700	900	1200	<b>23968CAK/W33</b>
	460	90	3	1390	2660	900	1200	<b>23968CAF3/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm	mm	mm	mm				
424	524			348	578	5					320
346	376	13.9	6	332	388	2	0.12	5.60	8.40	5.60	20.5
346	376	13.9	6	332	388	2	0.12	5.60	8.40	5.60	20.3
360	402	15	6	338	426	2.5	0.18	3.80	5.60	3.60	41.8
360	405	15	6	360	427	2.5	0.18	3.80	5.60	3.60	40.4
368	431	22	8	338	462	3					78.5
368	431										76.1
368	431			338	462	3					77.5
368	431			338	462	3					78.9
368	431	16.7	8	338	462	3	0.23	2.90	4.40	2.80	84.8
368	431	16.7	8	338	462	3	0.23	2.90	4.40	2.80	84.3
368	431	16.7	8	338	462	3	0.23	2.90	4.40	2.80	84.7
368	421	22	8	338	462	3	0.32	2.09	3.11	2.04	106
368	421	22	8	338	462	3	0.32	2.09	3.11	2.04	106
368	421	22	8	338	462	3	0.32	2.09	3.11	2.04	103
387	465	22.3	12	342	518	4					165
389	465	22.3	8	342	518	4	0.31	2.20	3.30	2.20	200
389	465	22.3	8	342	518	4	0.31	2.20	3.30	2.20	195
364	455	17.7	9.5	342	518	4	0.40	1.70	2.50	1.60	206
364	455	17.7	9.5	342	518	4	0.40	1.70	2.50	1.60	203
400	502	22.3	8	342	558	4	0.26	2.60	3.90	2.50	175
400	502			342	558	4	0.26	2.60	3.90	2.50	172
400	502	22.3	8	342	558	4	0.27	2.50	3.70	2.50	177
400	502	22.3	8	342	558	4	0.27	2.50	3.70	2.50	173
400	490			342	558	4	0.35	1.90	2.90	1.80	247
400	490	22.3	10	342	558	4	0.35	1.90	2.90	1.80	250
400	490	22.3	10	342	558	4	0.35	1.90	2.90	1.80	248
400	490	22.3	10	342	558	4	0.35	1.90	2.90	1.80	252
400	490	22.3	10	342	558	4	0.35	1.90	2.90	1.80	240
400	490	22.3	10	342	558	4	0.35	1.9	2.9	1.8	241
430	566	22.3	12	355	635	6					344
378	423	15	6	354	446	2.5	0.17	4.00	5.90	4.00	46
378	423	15	6	354	446	2.5	0.17	4.00	5.90	4.00	45.9
378	423	15	6	354	446	2.5	0.17	4.00	5.90	4.00	57.3

# Spherical Roller Bearing(CA)

d 340~360 mm

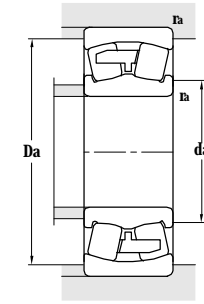
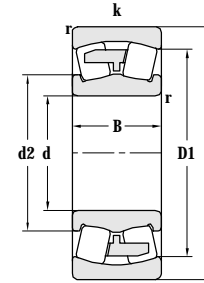
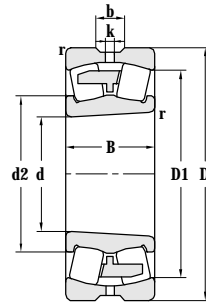
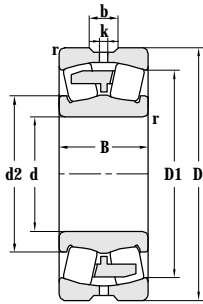


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil	
mm				kN		r/min		
<b>340</b>	520	133	5	2570	4400	700	900	<b>23068CA</b> <b>23068CA/W33</b>
	520	133	5	2570	4400	700	900	<b>23068CA/W33YA1</b>
	520	133	5	2570	4400	700	900	<b>23068CAK</b>
	520	133	5	2570	4400	700	900	<b>23068CAF3</b> <b>23068CAF3/W33</b>
	520	133	5	2570	4400	700	900	<b>23068CAKF3</b> <b>23068CAKF3/W33</b>
	520	133	5	2570	4400	700	900	<b>23068CAK/W33</b>
	520	180	5	3280	5890	530	670	<b>24068CA/W33</b> <b>24068CA/C9W33</b>
	520	180	5	3280	5890	530	670	<b>24068CAK/W33</b>
	520	180	5	3280	5890	530	670	<b>24068CAF1/HA</b> <b>24068CAF1/W33</b>
	520	180	5	3280	5890	530	670	<b>24068CK30/W33</b>
	520	180	5	3280	5890	530	670	<b>24068CAF3</b> <b>24068CAF3/W33</b>
	520	180	5	3280	5890	530	670	<b>24068CAK30F1</b> <b>24068CAK30F1/W33</b>
	520	180	5	3280	5890	530	670	<b>24068CAK30F3</b> <b>24068CAK30F3/W33</b>
	580	190	5	4040	6460	600	750	<b>23168CA</b> <b>23168CA/W33</b>
	580	190	5	4040	6460	600	750	<b>23168CAK/W33</b>
	580	190	5	4040	6460	600	750	<b>23168CAF3/W33</b>
	580	190	5	4040	6460	600	750	<b>23168CAKF3/W33</b>
	580	243	5	5040	8220	320	400	<b>24168CA/W33</b>
	580	243	5	5040	8220	320	400	<b>24168CAK30/W33</b>
	580	243	5	5040	8220	320	400	<b>24168CAK30F3/W33</b>
	620	224	6	4350	7600	430	530	<b>23268</b>
	620	224	6	5000	8150	500	700	<b>23268CA</b> <b>23268CA/W33</b>
	620	224	6	5000	8150	500	700	<b>23268CAK</b> <b>23268CAK/W33</b>
	<b>360</b>	480	90	3	1390	3000	850	1100
480		90	3	1330	2610	850	1100	<b>23972CAK/W33</b>
540		134	5	2610	4800	670	850	<b>23072CA</b> <b>23072CA/W33</b>
540		134	5	2610	4800	670	850	<b>23072CAK</b>
540		134	5	2610	4800	670	850	<b>23072CAF3</b> <b>23072CAF1</b>
540		134	5	2610	4800	670	850	<b>23072CAKF3/W33</b>
540		134	5	2610	4800	670	850	<b>23072CAF3/HAW33</b> <b>23072CAF3/W33</b>
540		180	5	3370	6220	600	750	<b>24072CA</b> <b>24072CA/W33</b>
540		180	5	3370	6220	600	750	<b>24072CAK/W33</b>
540		180	5	3370	6220	600	750	<b>24072CAK30</b>
600		192	5	3400	6200	560	700	<b>23172K/W33</b>
600		192	5	4080	6850	560	700	<b>23172CA</b> <b>23172CA/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight kg
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm			mm				
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	115
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	114
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	112
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	114
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	111
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	111
400	464	22.3	8	362	498	4	0.24	2.80	4.20	2.80	111
394	451	16.7	8	362	498	4	0.33	2.00	3.00	2.00	137
394	451	16.7	8	362	498	4	0.33	2.00	3.00	2.00	132
394	451	16.7	8	362	498	4	0.33	2.00	3.00	2.00	136
377	453	16.7	9	358	502	4	0.33	2.00	3.00	2.00	137
394	451	16.7	8	362	498	4	0.33	2.00	3.00	2.00	136
394	451	16.7	8	362	498	4	0.33	2.00	3.00	2.00	134
394	451	16.7	8	362	498	4	0.33	2.00	3.00	2.00	134
412	497	22.3	8	362	558	4	0.31	2.20	3.30	2.20	211
412	497	22.3	8	362	558	4	0.31	2.20	3.30	2.20	208
412	497	22.3	8	362	558	4	0.31	2.20	3.30	2.20	210
412	497	22.3	8	362	558	4	0.31	2.20	3.30	2.20	206
408	486	22.3	10	362	558	4	0.4	1.7	2.5	1.6	261
408	486	22.3	10	362	558	4	0.40	1.70	2.50	1.60	256
408	486	22.3	10	362	558	4	0.40	1.70	2.50	1.60	258
424	524			368	592	5	0.35	1.9	2.9	1.8	300
426	528			368	592	5	0.35	1.90	2.90	1.80	299
426	528	22.3	12	368	592	5	0.35	1.90	2.90	1.80	290
403	441	11.1	6	374	466	2.5	0.16	4.20	6.30	4.00	45.9
403	441	11.1	6	374	466	2.5	0.16	4.20	6.30	4.00	46.4
419	486	22.3	8	382	518	4	0.23	2.90	4.40	2.80	126
419	486			382	518	4	0.23	2.90	4.40	2.80	125
419	486			382	518	4	0.23	2.90	4.40	2.80	125
419	486			382	518	4	0.23	2.90	4.40	2.80	124
419	486	22.3	8	382	518	4	0.23	2.90	4.40	2.80	125
398	474	16.7	8	382	518	4	0.31	2.2	3.3	2.2	147
398	474	16.7	8	382	518	4	0.31	2.20	3.30	2.20	143
398	474			382	518	4	0.31	2.2	3.3	2.2	148
434	518	22.3	12	382	578	4	0.30	2.30	3.40	2.20	218
434	518	22.3	12	382	578	4	0.30	2.30	3.40	2.20	224

# Spherical Roller Bearing(CA)

d 360~380 mm

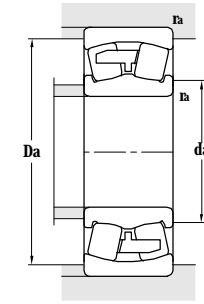
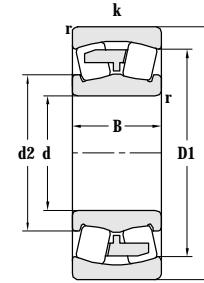
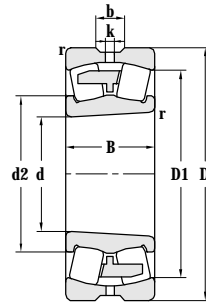
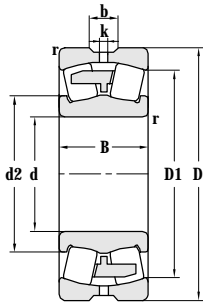


Principal dimensions				Basic load ratings		Limit speed ratings		Designations	
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil		
mm				kN		r/min			
<b>360</b>	600	192	5	4080	6850	560	700	<b>23172CAK/W33</b>	
	600	192	5	4080	6850	560	700	<b>23172CAKF1/W33</b>	
	600	243	5	5320	8840	300	380	<b>24172CA</b> <b>24172CA/W33</b>	
	600	243	5	5320	8840	300	380	<b>24172CA/W36</b>	
	600	243	5	5320	8840	300	380	<b>24172CAF1</b> <b>24172CAF1/W33</b>	
	600	243	5	5320	8840	300	380	<b>24172CAK30/W33</b>	
	600	243	5	5320	8840	300	380	<b>24172CAK30F1/W33</b> <b>24172CAK30F3/W33</b>	
	600	243	5	5320	8840	300	380	<b>24172CAQ1/W36</b>	
	600	243	5	5600	8400	300	380	<b>SX-24172</b>	
	650	170	6	4200	6200	600	800	<b>22272CA/W33</b>	
	650	232	6	5130	7880	400	500	<b>23272</b> <b>23272/W33</b>	
	650	232	6	5300	9050	500	700	<b>23272CA</b> <b>23272CA/W33</b>	
	650	232	6	5300	9050	500	700	<b>23272CAK</b> <b>23272CAK/W33</b>	
	650	232	6	5300	9050	500	700	<b>23272CAKF3/W33</b>	
	750	224	7.5	5650	8600	400	500	<b>22372CA</b> <b>22372CA/W33</b>	
	750	224	7.5	5650	8600	400	500	<b>22372CAK</b> <b>22372CAK/W33</b>	
	750	224	7.5	5650	8600	400	500	<b>22372CAF3</b>	
	750	224	7.5	5650	8600	400	500	<b>22372CAKF3</b>	
	<b>380</b>	520	106	4	1860	3900	800	1000	<b>23976CA/W33</b>
		520	106	4	1860	3900	800	1000	<b>23976CAF1/W33</b> <b>23976CAF3/W33</b>
560		135	5	2750	5000	630	800	<b>23076CA</b> <b>23076CA/W33</b>	
560		135	5	2750	5000	630	800	<b>23076CAK/W33</b>	
560		135	5	2750	5000	630	800	<b>23076CAF1/W33</b> <b>23076CAF3/W33</b>	
560		135	5	2750	5000	630	800	<b>23076CAKF3</b> <b>23076CAKF3/W33</b>	
560		180	5	3420	6550	480	600	<b>24076CA/W33</b>	
560		180	5	3420	6550	480	600	<b>24076CAF3</b> <b>24076CAF3/W33</b>	
560		180	5	3420	6550	480	600	<b>24076CAK30F3/W33</b>	
620		194	5	4180	7300	400	500	<b>23176/W33</b>	
620		194	5	4300	7750	500	900	<b>23176CA</b> <b>23176CA/W33</b>	
620		194	5	4300	7750	500	900	<b>23176CA/W33T</b>	
620		194	5	4300	7750	500	900	<b>23176CAK</b> <b>23176CAK/W33</b>	
620		194	5	4300	7750	500	900	<b>23176CAK30/W33</b>	
620		194	5	4300	7750	500	900	<b>23176CAF3/HAW33</b> <b>23176CAF3/W33</b>	
620		194	5	4300	7750	500	900	<b>23176CAKF3</b> <b>23176CAKF3/W33</b>	
620		194	5	4300	7750	500	900	<b>23176CAK/W33</b>	

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm	mm	mm	mm				kg
434	518	22.3	12	382	578	4	0.30	2.30	3.40	2.20	223
434	518	22.3	12	382	578	4	0.30	2.30	3.40	2.20	222
430	511	20	12	382	578	4	0.37	1.80	2.70	1.80	270
430	511	20	8	382	578	4	0.37	1.80	2.70	1.80	270
430	511	20	12	382	578	4	0.37	1.80	2.70	1.80	269
430	511	20	12	382	578	4	0.37	1.80	2.70	1.80	267
430	511	20	12	382	578	4	0.37	1.80	2.70	1.80	268
430	511	20	12	382	578	4	0.37	1.80	2.70	1.80	270
430	511	20	8	382	578	4	0.37	1.80	2.70	1.80	271
449	563	22.3	8	388	622	5	0.26	2.60	3.87	2.54	248
443	547			388	622	5	0.35	1.90	2.90	1.80	341
443	547	22.3	10	388	622	5	0.35	1.90	2.90	1.80	332
443	547			388	622	5	0.35	1.90	2.90	1.80	329
443	547	22.3	10	388	622	5	0.35	1.90	2.90	1.80	327
471	631	22.3	12	392	720	6	0.31	2.21	3.29	2.16	469
471	631	22.3	12	392	720	6	0.31	2.21	3.29	2.16	443
471	631			392	720	6	0.31	2.21	3.29	2.16	466
471	631			392	720	6	0.31	2.21	3.29	2.16	441
426	476	15	10	398	502	3	0.17	4.00	5.90	4.00	69.9
426	476	15	10	398	502	3	0.17	4.00	5.90	4.00	69.5
441	505	22.3	8	402	538	4	0.22	3.00	4.60	2.80	125
441	505	22.3	8	402	538	4	0.22	3.00	4.60	2.80	122
441	505	22.3	8	402	538	4	0.22	3.00	4.60	2.80	129
441	505	22.3	8	402	538	4	0.22	3.00	4.60	2.80	125
441	505	22.3	8	402	538	4	0.3	2.3	3.4	2.2	151
435	494	22	10	402	538	4	0.30	2.30	3.40	2.20	150
435	494	22.3	8	402	538	4	0.30	2.30	3.40	2.20	153
435	494	22	10	402	538	4	0.30	2.30	3.40	2.20	153
457	540	22	8	402	598	4	0.30	2.30	3.40	2.20	237
457	540	22	8	402	598	4	0.3	2.3	3.4	2.2	249
457	540	27	16	402	598	4	0.30	2.30	3.40	2.20	248
457	540	22	8	402	598	4	0.30	2.30	3.40	2.20	242
457	540	22	8	402	598	4	0.30	2.30	3.40	2.20	241
457	540	22	8	402	598	4	0.30	2.30	3.40	2.20	248
457	540	22	8	402	598	4	0.30	2.30	3.40	2.20	241
457	540	22	8	402	598	4	0.30	2.30	3.40	2.20	243

# Spherical Roller Bearing(CA)

d 380~420 mm

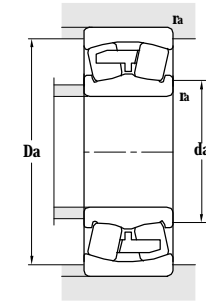
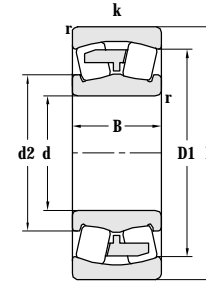
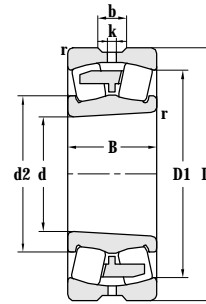
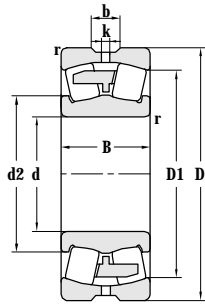


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil	
mm				kN		r/min		
<b>380</b>	620	243	5	5420	9310	300	380	<b>24176CA/C9</b> <b>24176CA/W33</b>
	620	243	5	5420	9310	300	380	<b>24176CAK30/W33</b>
	680	240	6	5750	9300	400	650	<b>23276CA/W33</b>
	680	240	6	5750	9300	400	650	<b>23276CAKF3/W33</b> <b>23176CAK30/W33</b>
	780	230	7.5	6000	9300	350	500	<b>22376CAF3</b> <b>22376CAF3/W33</b>
<b>400</b>	540	106	4	1900	4000	750	950	<b>23980CA/W33</b>
	540	106	4	1900	4000	750	950	<b>23980CAK/W33</b>
	540	106	4	1900	4000	750	950	<b>23980CAF1/W33</b> <b>23980CAF3/W33</b>
	540	100	4	1900	4000	750	950	<b>23980X2CAF3/W33</b> <b>23980X2CAF3/W33YA1</b>
	590	142	5	3090	5500	630	800	<b>23080X3CA</b> <b>23080X3CA/W33</b>
	600	148	5	3090	5500	600	750	<b>23080CA</b> <b>23080CA/P5W33</b>
	600	148	5	3090	5500	600	750	<b>23080CAK/W33</b>
	600	148	5	3090	5500	600	750	<b>23080CAF3</b> <b>23080CAF3/W33</b>
	600	148	5	3090	5500	600	750	<b>23080CAKF3</b> <b>23080CAKF3/W33</b>
	600	200	5	4090	7800	450	560	<b>24080CA/W33</b>
	600	200	5	4090	7800	450	560	<b>24080CAF3</b> <b>24080CAF3/W33</b>
	600	200	5	4090	7800	450	560	<b>24080CAK30/W33</b>
	650	200	6	4160	7860	380	480	<b>23180/W33</b>
	650	200	6	4550	8200	500	900	<b>23180CA</b> <b>23180CA/W33</b>
	650	200	6	4550	8200	500	900	<b>23180CAF3</b> <b>23180CAF3/W33</b>
	650	200	6	4550	8200	500	900	<b>23180CAKF3/W33</b> <b>23180CAK/W33</b>
	650	200	6	4550	8200	500	900	<b>23180CA/HCRW33</b>
	670	216	6	4200	8540	380	480	<b>23180X3CA/W33</b>
	650	250	6	5890	10070	320	400	<b>24180CA</b> <b>24180CA/W33</b>
	650	250	6	5890	10070	320	400	<b>24180CAF3</b> <b>24180CAF3/W33</b>
	650	250	6	5890	10070	320	400	<b>24180CAK30/W33</b>
	650	250	6	5890	10070	320	400	<b>24180CA/HG2W33</b>
	720	256	6	6450	11000	400	600	<b>23280CA</b> <b>23280CA/W33</b>
	720	256	6	6450	11000	400	600	<b>23280CAF3/W33</b> <b>23280CAF3</b>
	720	256	6	6450	11000	400	600	<b>23280CAKF3/W33</b>
	820	243	7.5	7400	10300	400	700	<b>22380CA</b> <b>22380CA/W33</b>
	820	243	7.5	7400	10300	400	700	<b>22380CA/HCW33</b> <b>22380CA/W33</b>
	<b>420</b>	520	75	2.1	950	2630	750	950
560		106	4	1950	4050	700	900	<b>23984ACA/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm	mm	mm	mm				
457	540	16.7	9	402	598	4	0.30	2.30	3.40	2.20	296
457	540	16.7	9	402	598	4	0.30	2.30	3.40	2.20	290
471	581	22.3	12	406	654	5	0.35	1.90	2.90	1.80	389
468	574	22.3	10	408	652	5	0.35	1.90	2.90	1.80	386
504	660			415	740	6					518
445	497	15	10	418	522	3	0.17	4.00	5.90	4.00	72.9
445	497	15	10	418	522	3	0.17	4.00	5.90	4.00	71.3
445	497	15	10	418	522	3	0.17	4.00	5.90	4.00	72.4
445	498	13.9	7.5	418	522	3	0.16	4.20	6.30	4.00	67.8
461	532	22.3	12	422	578	4	0.21	3.14	4.68	3.07	133
460	538			422	578	4	0.23	2.90	4.40	2.80	147
460	538	22	12	422	578	4	0.23	2.90	4.40	2.80	141
460	538	22	12	422	578	4	0.23	2.90	4.40	2.80	146
460	538	22	12	422	578	4	0.23	2.90	4.40	2.80	142
458	524	22	12	422	578	4	0.30	2.30	3.40	2.20	203
458	524	22	12	422	578	4	0.30	2.30	3.40	2.20	202
458	524	22	12	422	578	4	0.3	2.3	3.4	2.2	202
475	568	22.3	8	428	622	5					210
480	568	22.3	8	428	622	5	0.28	2.40	3.60	2.50	273
480	568	22.3	8	428	622	5	0.28	2.40	3.60	2.50	271
480	568	22.3	8	428	622	5	0.28	2.40	3.60	2.50	264
480	568	22.3	8	428	622	5	0.28	2.40	3.60	2.50	272
480	579	22.3	8	428	622	5	0.28	2.40	3.60	2.50	293
476	563	22.3	8	428	622	5	0.36	1.87	2.79	1.83	326
476	563	22.3	8	428	622	5	0.36	1.87	2.79	1.83	323
476	563	22.3	8	428	622	5	0.36	1.87	2.79	1.83	320
476	563	22.3	8	428	622	5	0.36	1.87	2.79	1.83	325
499	606	22	10	428	692	5	0.35	1.90	2.90	1.80	468
499	606	22	10	428	692	5	0.35	1.90	2.90	1.80	465
499	606	22	10	428	692	5	0.35	1.90	2.90	1.80	452
520	694	22.3	12	442	790	6	0.31	2.21	3.29	2.16	623
520	694	22.3	12	442	790	6	0.31	2.21	3.29	2.16	623
454	490	13.9	5	430	504	2	0.12	5.60	8.40	5.60	34.6
464	517	16.7	9	435	545	3	0.16	4.20	6.30	4.00	72.4

# Spherical Roller Bearing(CA)

d 420~460 mm

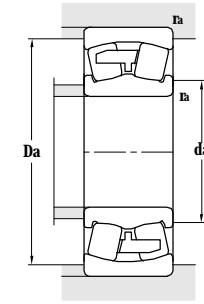
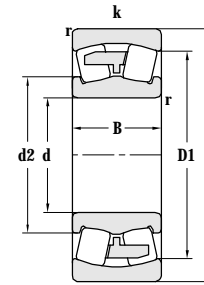
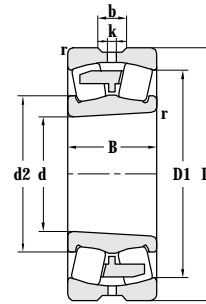
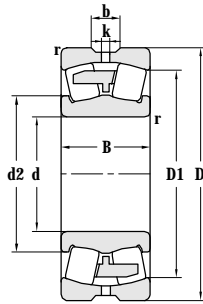


Principal dimensions				Basic load ratings		Limit speed ratings		Designations	
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil		
mm				kN		r/min			
<b>420</b>	560	106	4	1950	3950	700	900	<b>23984CA/W33</b>	
	620	150	5	3300	6400	500	1000	<b>23084CA</b>	
	620	150	5	3300	6400	500	1000	<b>23084CAK/W33</b>	
	620	150	5	3300	6400	500	1000	<b>23084CAF3</b>	
	620	150	5	3300	6400	500	1000	<b>23084CAKF3</b>	
	620	200	5	4180	8450	380	480	<b>24084CA/W33</b>	
	620	200	5	4180	8450	380	480	<b>24084CAF3/W33</b>	
	620	200	5	4180	8450	380	480	<b>24084CAK30F3/W33X</b>	
	700	224	6	5320	9200	360	450	<b>23184CA/W33</b>	
	700	224	6	5320	9200	360	450	<b>23184CAK</b>	
	700	224	6	5320	9200	360	450	<b>23184CAF3</b>	
	700	280	6	7000	11950	300	380	<b>24184CA/W33</b>	
	700	280	6	7000	11950	300	380	<b>24184CAK30/W33</b>	
	700	280	6	7000	11950	300	380	<b>24184CA/HCRW33</b>	
	760	272	7.5	7250	11900	400	550	<b>23284CA/W33</b>	
	760	272	7.5	7250	11900	400	550	<b>23284CAK</b>	
	760	272	7.5	7250	11900	400	550	<b>23284CAF3/C9W33</b>	
	<b>440</b>	600	118	4	2413	4850	450	560	<b>23988CA/W33</b>
600		118	4	2413	4850	450	560	<b>23988CAF3/W33</b>	
650		157	6	3550	6500	500	900	<b>23088CA</b>	
650		157	6	3550	6500	500	900	<b>23088CAK/W33</b>	
650		157	6	3550	6500	500	900	<b>23088CAF3</b>	
650		157	6	3550	6500	500	900	<b>23088CAKF3</b>	
650		212	6	4550	9100	360	450	<b>24088CA/W33</b>	
650		212	6	4550	9100	360	450	<b>24088CA/HCW33</b>	
650		212	6	4550	9100	360	450	<b>24088CAK30F3/W33</b>	
720		226	6	5900	10000	400	750	<b>23188CA</b>	
720		226	6	5900	10000	400	750	<b>23188CAK/W33</b>	
720		280	6	7120	12500	300	380	<b>24188CA/W33</b>	
720		280	6	7120	12500	300	380	<b>24188CAK30/W33</b>	
790		280	7.5	7700	12800	350	500	<b>23288CA/W33</b>	
790		280	7.5	7700	12800	350	500	<b>23288CAK/W33</b>	
<b>460</b>		580	118	3	1700	4655	450	560	<b>24892CA</b>
		580	118	3	1700	4655	450	560	<b>24892CAK30/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm			mm				
464	517	16.7	9	435	545	3	0.16	4.20	6.30	4.00	73.6
484	558			442	598	4	0.22	3.00	4.60	2.80	149
484	558			442	598	4	0.22	3.00	4.60	2.80	143
484	558	22	8	442	598	4	0.22	3.00	4.60	2.80	148
484	558	22	8	442	598	4	0.22	3.00	4.60	2.80	143
479	548	22.3	12	442	598	4	0.30	2.30	3.40	2.20	202
479	548	22.3	12	442	598	4	0.30	2.30	3.40	2.20	201
479	548	22.3	12	442	598	4	0.30	2.30	3.40	2.20	197
505	605	22.3	12	448	672	5	0.30	2.30	3.40	2.20	353
505	605	22.3	12	448	672	5	0.30	2.30	3.40	2.20	352
505	605	22.3	12	448	672	5	0.30	2.30	3.40	2.20	353
497	599	22.3	12	448	674	5	0.38	1.80	2.60	1.70	436
495	596	22.3	12	448	674	5	0.38	1.80	2.60	1.70	428
495	596	22.3	12	448	674	5	0.38	1.80	2.60	1.70	436
525	643	22	12	456	724	6	0.35	1.90	2.90	1.80	550
525	643	22	12	456	724	6	0.35	1.90	2.90	1.80	551
525	643	22	12	456	724	6	0.35	1.90	2.90	1.80	546
492	553	16.7	8	462	578	3	0.17	4.00	5.90	4.00	101
492	553	16.7	8	462	578	3	0.17	4.00	5.90	4.00	101
507	585	22.3	8	468	622	5	0.22	3.00	4.60	2.80	186
507	585	22.3	8	468	622	5	0.22	3.00	4.60	2.80	179
507	585	22.3	8	468	622	5	0.22	3.00	4.60	2.80	185
507	585	22.3	8	468	622	5	0.22	3.00	4.60	2.80	178
502	569	22.3	12	468	626	5	0.30	2.30	3.40	2.20	251
502	569	22.3	12	468	626	5	0.30	2.30	3.40	2.20	251
502	569	22.3	12	468	626	5	0.30	2.30	3.40	2.20	245
522	626			468	692	5	0.30	2.30	3.40	2.20	375
522	626	22.3	12	468	692	5	0.30	2.30	3.40	2.20	372
517	618	22.3	12	468	692	5	0.37	1.80	2.70	1.80	436
517	618	22.3	12	468	692	5	0.37	1.80	2.70	1.80	455
548	675	22.3	12	472	578	6	0.35	1.90	2.90	1.80	611
548	675	22.3	12	472	578	6	0.35	1.90	2.90	1.80	578
504	540	16.7	7	472	566	2.5	0.17	4.00	5.90	4.00	77
504	540	16.7	7	472	566	2.5	0.17	4.00	5.90	4.00	82

# Spherical Roller Bearing(CA)

d 460~480 mm

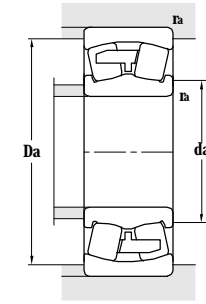
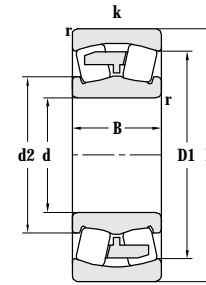
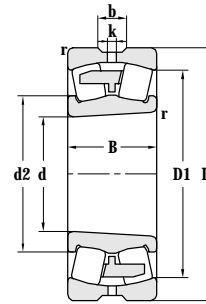
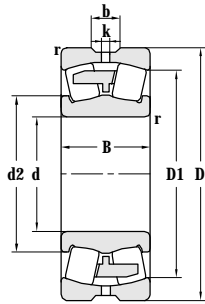


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil	
mm				kN		r/min		
<b>460</b>	620	118	4	2400	5000	500	900	<b>23992CA/W33</b>
	620	110	4	2370	4750	430	530	<b>23992X2CA/W33AYA1</b>
	650	120	4	430	5150	420	510	<b>23992X3CA</b> <b>23992X3CA/W33</b>
	680	163	6	3800	7140	500	850	<b>23092CA</b> <b>23092CA/W33</b>
	680	163	6	3800	7140	500	850	<b>23092CAF3</b> <b>23092CAF3/W33</b>
	680	163	6	3800	7140	500	850	<b>23092CAK</b> <b>23092CAK/W33</b>
	680	218	6	4900	10200	340	430	<b>24092CA/W33</b>
	680	218	6	4900	10200	340	430	<b>24092CAF3/W33</b>
	680	218	6	4900	10200	340	430	<b>24092CA/HCRW33</b>
	760	240	7.5	6300	11100	350	700	<b>23192CA</b> <b>23192CA/W33</b>
	760	240	7.5	6300	11100	350	700	<b>23192CAK/W33</b>
	760	240	7.5	6300	11100	350	700	<b>23192CAF3</b> <b>23192CAF3/W33</b>
	760	240	7.5	6300	11100	350	700	<b>23192CAK/W33</b>
	760	300	7.5	7850	14400	160	200	<b>24192CA/W33</b>
	760	300	7.5	7850	14400	160	200	<b>24192CAK30/W33</b>
	760	300	7.5	7850	14400	160	200	<b>24192CAF3/W33</b>
	830	296	7.5	8400	13600	350	500	<b>23292CAK/W33</b>
	<b>479</b>	790	258	7.5	5300	12100	300	380
<b>480</b>	600	90	3	1350	3985	500	900	<b>23896CA</b> <b>23896CA/W33</b>
	650	128	5	2800	5725	500	900	<b>23996CA/W33</b>
	650	128	5	2800	5725	500	900	<b>23996CAF1/W33</b> <b>23996CAF3/W33</b>
	650	128	5	2800	5725	500	900	<b>23996CAK/W33</b> <b>23996CAK/W33</b>
	650	128	5	2800	5725	500	900	<b>23996CAF1/W33</b> <b>23996CAF3/W33</b>
	700	165	6	3800	6900	450	850	<b>23096CA/W33</b>
	700	165	6	3800	6900	450	850	<b>23096CAK/W33</b>
	700	165	6	3260	7530	400	500	<b>23096F3</b> <b>23096F3/W33</b>
	700	218	6	5000	10400	340	430	<b>24096CA/W33</b>
	700	218	6	5000	10400	340	430	<b>24096CAK30/W33</b>
	790	248	7.5	6850	12000	350	700	<b>23196CA/W33</b>
	790	248	7.5	6850	12000	350	700	<b>23196CAF1/W33X</b> <b>23196CAF3/W33X</b>
	790	248	7.5	6850	12000	350	700	<b>23196CAK1/W33X</b> <b>23196CAK3/W33X</b>
	790	248	7.5	6850	12000	350	700	<b>23196CAK/W33</b>
	790	308	7.5	8550	14900	240	320	<b>24196CA/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm	mm	mm	mm				kg
511	572	16.7	9	475	605	3	0.16	4.20	6.30	4.00	105
511	574	16.7	9	475	605	3	0.16	4.20	6.30	4.00	96.8
520	592	16.7	9	480	615	3	0.17	4.00	5.90	4.00	132
531	613	23.5	12	488	652	5	0.22	3.00	4.60	2.80	229
531	613	23.5	12	488	652	5	0.22	3.00	4.60	2.80	227
531	613			488	652	5	0.22	3.00	4.60	2.80	226
531	613	23.5	12	488	652	5	0.22	3.00	4.60	2.80	228
528	600	24	12	488	652	5	0.29	2.35	3.50	2.30	
528	600	24	12	488	652	5	0.29	2.35	3.50	2.30	304
528	600	24	12	488	652	5	0.29	2.35	3.50	2.30	308
557	660	22	8	496	724	6	0.30	2.30	3.40	2.20	442
557	660	22	8	496	724	6	0.30	2.30	3.40	2.20	437
557	660	22	8	496	724	6	0.30	2.30	3.40	2.20	440
557	660	22	8	496	724	6	0.30	2.30	3.40	2.20	435
540	639	22.3	8	496	724	6	0.37	1.80	2.70	1.80	461
540	639	22.3	8	496	724	6	0.37	1.80	2.70	1.80	460
540	639	22.3	8	496	724	6	0.37	1.80	2.70	1.80	459
566	698	22.3	10	496	794	6	0.35	1.90	2.90	1.80	698
578	683	22	12	516	754	6	0.31	2.20	3.30	2.20	497
523	563	13.9	7.5	500	580	2.5	0.13	5.36	7.98	5.24	60.4
532	596	16.7	10	502	628	4	0.18	3.80	5.60	3.60	126
532	596	16.7	10	502	628	4	0.18	3.80	5.60	3.60	125
532	596			504	628	4	0.18	3.80	5.60	3.60	121
532	596	16.7	10	504	628	4	0.18	3.80	5.60	3.60	121
552	634	22.3	12	504	678	5	0.21	3.20	4.80	3.20	215
552	634	22.3	12	504	678	5	0.21	3.20	4.80	3.20	203
553	625	22.3	12	504	678	5	0.23	2.90	4.40	2.80	247
542	618	22.3	12	504	678	5	0.28	2.40	3.60	2.50	285
542	618	22.3	12	504	678	5	0.28	2.40	3.60	2.50	290
578	687	22	12	516	754	6	0.30	2.30	3.40	2.20	520
578	687	22	12	516	754	6	0.30	2.30	3.40	2.20	516
578	687	22	12	516	754	6	0.30	2.30	3.40	2.20	485
578	687	22	12	516	754	6	0.30	2.30	3.40	2.20	489
568	673	22.3	8	513	759	6	0.37	1.80	2.70	1.80	582

# Spherical Roller Bearing(CA)

d 480~530 mm

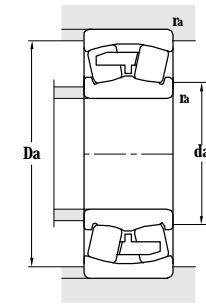
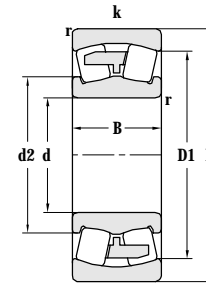
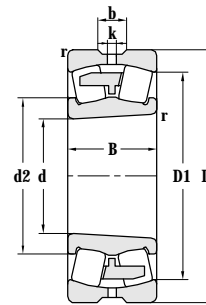
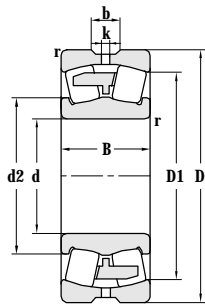


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>OR</sub>	Grease	Oil	
mm				kN		r/min		
<b>480</b>	790	308	7.5	8550	14900	240	320	<b>24196CAK30/W33</b>
	790	308	7.5	8550	14900	240	320	<b>24196CAK30F3/W33</b>
	870	310	7.5	6750	15200	280	360	<b>23296/W33</b>
	870	310	7.5	6750	15200	280	360	<b>23296F3</b>
	870	310	7.5	9200	15200	300	450	<b>23296CA/W33</b>
	870	310	7.5	9200	15200	300	450	<b>23296CAK</b> <b>23296CAK/W33</b>
	870	310	7.5	9200	15200	300	450	<b>23296CAF3</b> <b>23296CAF3/W33</b>
	870	310	7.5	9200	15200	300	450	<b>23296CAKF3</b> <b>23296CAKF3/W33</b>
<b>500</b>	620	90	3	1400	3800	420	520	<b>238/500CA/W33</b> <b>238/500CA/W20</b>
	620	90	3	1400	3800	420	520	<b>238/500CAK/W33</b>
	670	128	5	2800	5900	450	900	<b>239/500CA/W33</b>
	670	128	5	2800	5750	450	900	<b>239/500CAF1</b> <b>239/500CAF1/W33</b>
	670	128	5	2800	5750	450	900	<b>239/500CAF3/W33</b>
	670	128	5	2800	5750	450	900	<b>239/500CAF1/W33YA1</b> <b>239/500CAF3/W33YA1</b>
	670	128	5	2800	5750	450	900	<b>239/500CAK/W33</b>
	720	167	6	4100	7700	450	800	<b>230/500CAF3</b> <b>230/500CAF3/W33</b>
	720	167	6	4100	7900	450	800	<b>230/500CA/W33</b>
	720	167	6	4100	7700	450	800	<b>230/500CAKF3</b> <b>230/500CAKF3/W33</b>
	720	167	6	4100	7700	450	800	<b>230/500CAKF3/W33X</b>
	720	167	6	4100	7700	450	800	<b>230/500CAF3/HAW33X</b>
	720	167	6	4100	7700	450	800	<b>230/500CAKF3/HAW33X</b>
	720	218	6	5200	10450	420	520	<b>240/500CA/W33</b> <b>240/500CA</b>
	720	218	6	5200	10450	420	520	<b>240/500CAK30/W33</b>
	720	218	6	5200	10450	420	520	<b>240/500CAF3/W33</b>
	830	264	7.5	7550	13800	350	650	<b>231/500CA/W33</b> <b>231/500CAK/W33</b>
	830	325	7.5	9300	16100	300	380	<b>241/500CAK30/W33</b>
	830	325	7.5	9300	16100	300	380	<b>241/500CA/W33</b>
	920	336	7.5	10500	17200	300	450	<b>232/500CAF3/W33</b>
920	336	7.5	10500	18600	300	450	<b>232/500CAK/W33</b> <b>232/500CA/W33</b>	
<b>530</b>	650	90	3	1800	5350	400	500	<b>238/530CAF1/W33</b>
	650	118	3	1800	5350	380	480	<b>248/530CA/W33</b> <b>248/530CA/W20</b>
	650	118	3	1800	5350	380	480	<b>248/530CAK30/W33</b>
	710	136	5	3100	6700	400	800	<b>239/530CAF3/W33YA1</b>
	710	136	5	3100	7100	400	800	<b>239/530CA/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm	mm	mm	mm				kg
568	673	22.3	8	513	759	6	0.37	1.80	2.70	1.80	584
568	673	22.3	8	513	759	6	0.37	1.80	2.70	1.80	581
581	736	22.3	12	516	834	6	0.35	1.90	2.90	1.80	910
581	736			516	834	6	0.35	1.90	2.90	1.80	909
581	732	22.3	12	516	834	6	0.35	1.90	2.90	1.80	853
581	732			516	834	6	0.35	1.90	2.90	1.80	859
581	732	22.3	12	516	834	6	0.35	1.90	2.90	1.80	858
581	732	22.3	12	516	834	6	0.35	1.90	2.90	1.80	848
542	586	16.7	8	512	606	2.5	0.12	5.60	8.40	5.60	62
542	586	16.7	8	512	606	2.5	0.12	5.60	8.40	5.60	54
555	619	22.3	12	522	648	4	0.17	4.00	5.90	4.00	120
555	619	22.3	12	522	648	4	0.17	4.00	5.90	4.00	120
555	619	22.3	12	522	648	4	0.17	4.00	5.90	4.00	119
555	619	22.3	12	522	648	4	0.17	4.00	5.90	4.00	120
555	619	22.3	12	522	648	4	0.17	4.00	5.90	4.00	116
568	653	22.3	12	528	692	5	0.21	3.20	4.80	3.20	229
568	653	22.3	12	528	692	5	0.21	3.20	4.80	3.20	230
568	653	22.3	12	528	692	5	0.21	3.20	4.80	3.20	228
568	653	22.3	8	528	692	5	0.21	3.20	4.80	3.20	227
568	653	22.3	8	528	692	5	0.21	3.20	4.80	3.20	228
568	653	22.3	8	528	692	5	0.21	3.20	4.80	3.20	227
565	645	22.3	12	523	698	5	0.26	2.60	3.90	2.50	297
565	645	22.3	12	523	698	5	0.26	2.60	3.90	2.50	298
565	645	22.3	12	523	698	5	0.26	2.60	3.90	2.50	295
603	726	22.3	12	536	794	6	0.30	2.30	3.40	2.20	588
588	712	22.3	12	531	798	6	0.37	1.80	2.70	1.80	712
588	712	22.3	12	531	798	6	0.37	1.80	2.70	1.80	719
620	774	22.3	12	536	884	6	0.35	1.90	2.90	1.80	977
620	774	22.3	12	536	884	6	0.35	1.90	2.90	1.80	982
575	613	22.4	12	552	652	2.5	0.12	5.60	8.40	5.60	64.2
573	612	22	8	543	636	2.5	0.15	4.50	6.70	4.50	91
573	612	22	8	543	636	2.5	0.15	4.50	6.70	4.50	86
586	658	22.3	12	548	690	4	0.17	4.00	5.90	4.00	154
586	658	22.3	12	548	690	4	0.17	4.00	5.90	4.00	155

# Spherical Roller Bearing (CA)

d 530~580 mm

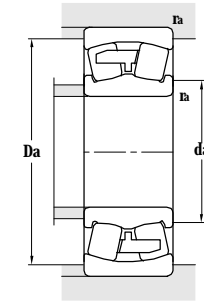
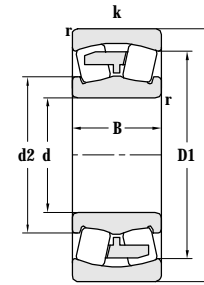
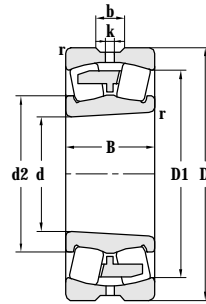
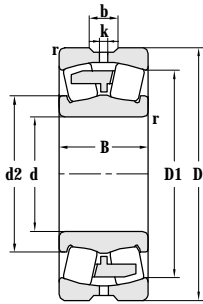


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil	
mm				kN		r/min		
<b>530</b>	710	136	5	3100	7100	400	800	<b>239/530CAK/W33</b>
	710	136	5	3100	7100	400	800	<b>239/530CA/HCRW33</b>
	780	185	6	5000	10200	400	700	<b>230/530CA</b>
	780	185	6	5000	10200	400	700	<b>230/530CAF3</b>
	780	185	6	5000	10200	400	700	<b>230/530CAK/W33</b>
	780	185	6	5000	10200	400	700	<b>230/530CA/HCRW33</b>
	780	250	6	6350	12700	280	360	<b>240/530CA/W33</b>
	780	250	6	6350	12700	280	360	<b>240/530CA/HCRW33</b>
	780	250	6	6350	13200	280	360	<b>240/530CAB/HCRW33</b>
	870	272	7.5	8050	15300	300	600	<b>231/530CA/W33</b>
	870	272	7.5	8050	13300	300	600	<b>231/530CAK/W33</b>
	870	335	7.5	10000	18300	190	280	<b>241/530CA/W33</b>
	870	335	7.5	10000	18000	190	280	<b>241/530CAK30/W33</b>
	980	335	9.5	11000	20300	250	400	<b>232/530CAK30/W33</b>
<b>560</b>	750	140	5	3400	7200	400	800	<b>239/560CAF1</b>
	750	140	5	3400	7200	400	800	<b>239/560CAF3</b>
	820	195	6	5500	10500	400	800	<b>239/560CAF3/W33</b>
	820	195	6	5500	10500	400	800	<b>230/560CA</b>
	820	195	6	5500	10500	400	800	<b>230/560CAF3</b>
	820	195	6	5500	10500	400	800	<b>230/560CAF3/W33</b>
	820	195	6	5500	10500	400	800	<b>230/560CAK/W33</b>
	820	195	6	5500	10500	400	800	<b>230/560CAK30/W33</b>
	820	258	6	6950	13800	220	300	<b>240/560CA/W33</b>
	820	258	6	6950	13800	220	300	<b>240/560X3CA/C3W33-QL</b>
	820	258	6	6950	13800	220	300	<b>240/560CAK30/W33</b>
	920	280	7.5	9050	15900	300	550	<b>231/560CA/W33</b>
	920	280	7.5	9050	15700	300	550	<b>231/560CAF3/W33</b>
	920	280	7.5	9050	15700	300	550	<b>231/560CAK/W33</b>
	920	280	7.5	9050	15700	300	550	<b>231/560CA/HCRW33</b>
	920	355	7.5	9500	20100	150	400	<b>241/560CAF3/HCRW33</b>
	920	355	7.5	11400	20500	120	160	<b>241/560CAF3K30/W33</b>
	920	355	7.5	11400	20500	120	160	<b>241/560CA/W33</b>
	920	355	7.5	11400	20500	120	160	<b>241/560CA/HCW33</b>
	920	355	7.5	11400	20500	120	160	<b>241/560CAK30/W33</b>
920	355	7.5	11400	20000	120	160	<b>241/560CAK30/HCW33</b>	
1030	365	9.5	11150	21000	250	400	<b>232/560CA/W33</b>	
1030	365	9.5	11150	21000	250	400	<b>232/560CAK/W33</b>	
<b>580</b>	780	130	5	3050	6800	220	300	<b>26/580CAK3/W33</b>
	870	240	6	6400	1400	220	300	<b>26/580CAK3/W33-1</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm			mm				
586	658	22.3	12	548	690	4	0.17	4.00	5.90	4.00	150
586	658	22.3	12	548	690	4	0.17	4.00	5.90	4.00	155
614	703	24	12	558	752	5	0.22	3.00	4.60	2.80	339
614	703	24	12	558	752	5	0.22	3.00	4.60	2.80	335
614	703	24	12	558	752	5	0.22	3.00	4.60	2.80	329
614	703	24	12	558	752	5	0.22	3.00	4.60	2.80	338
605	691	22.3	12	553	758	5	0.29	2.30	3.50	2.40	416
605	691	22.3	12	553	758	5	0.29	2.30	3.50	2.40	416
605	691	24	12	553	758	5	0.29	2.30	3.50	2.40	420
635	762	22.3	12	560	837	6	0.30	2.30	3.40	2.20	665
635	762	22.3	12	560	837	6	0.30	2.30	3.40	2.20	640
622	748	22.3	12	560	837	6	0.37	1.80	2.80	1.80	813
622	748	22.3	12	560	837	6	0.37	1.80	2.80	1.80	825
656	818	22.3	12	565	932	8	0.36	1.87	2.79	1.83	1200
621	693			582	728	4	0.16	4.20	6.30	4.00	177
621	693	22.3	12	582	728	4	0.16	4.20	6.30	4.00	178
644	741			588	792	5	0.22	3.14	4.67	3.07	363
644	741	22.3	9	588	792	5	0.22	3.14	4.67	3.07	362
644	741	22.3	9	588	792	5	0.22	3.14	4.67	3.07	351
644	741	22.3	9	588	792	5	0.22	3.14	4.67	3.07	353
640	721	22.3	12	585	798	5	0.28	2.40	3.60	2.50	471
640	721	22.3	12	585	798	5	0.28	2.40	3.60	2.50	464
677	803	22.3	12	596	884	6	0.30	2.30	3.40	2.20	756
677	803	22.3	12	596	884	6	0.30	2.30	3.40	2.20	745
677	83	22.3	12	596	884	6	0.30	2.30	3.40	2.20	756
634	796	22.3	12	596	884	6	0.37	1.80	2.80	1.80	964
634	796	22.3	12	596	884	6	0.37	1.80	2.80	1.80	950
634	796	22.3	12	596	884	6	0.37	1.80	2.80	1.80	973
634	796	22.3	12	596	884	6	0.37	1.80	2.80	1.80	955
662	777	22.3	12	596	884	6	0.37	1.80	2.80	1.80	956
705	877	22.3	12	600	990	8	0.35	1.90	2.90	1.80	1380
705	877	22.3	12	600	990	8	0.35	1.90	2.90	1.80	1340
646	726	22.3	12	611	750	4					176
671	774	22.3	12	622	735	5					512

# Spherical Roller Bearing(CA)

d 600~670 mm



Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r <sub>min</sub>	C <sub>r</sub>	C <sub>0r</sub>	Grease	Oil	
mm				kN		r/min		
<b>600</b>	800	150	5	3750	8400	400	700	<b>239/600CA</b> <b>239/600CA/W33</b>
	800	150	5	3750	8400	400	700	<b>239/600CAK/W33</b>
	800	200	5	4250	11200	320	400	<b>249/600CAF1/W33</b> <b>249/600CAF3/W33</b>
	870	200	6	5900	11600	350	650	<b>230/600CAF3</b> <b>230/600CAF3/W33</b>
	870	200	6	5900	11600	350	650	<b>230/600CAK</b> <b>230/600CAK/W33</b>
	870	200	6	5900	11600	350	650	<b>230/600CAKF3</b>
	870	200	6	5900	11600	350	650	<b>230/600CA/W33</b>
	870	272	6	8100	16500	300	500	<b>240/600CA/W33</b>
	870	272	6	8100	16500	300	500	<b>240/600CA/HCRW33</b>
	870	272	6	8100	16500	300	500	<b>240/600/W33</b>
	980	300	7.5	10100	18800	300	500	<b>231/600CAF3/W33</b>
	980	375	7.5	10900	22400	300	500	<b>241/600CA</b>
	980	375	7.5	10900	22400	300	500	<b>241/600CA/HCW33</b> <b>241/600CA/HCRW33</b>
	980	375	7.5	10900	22400	300	500	<b>241/600CAK30/W33</b>
	980	375	7.5	10900	22400	300	500	<b>241/600CA/W33</b> <b>241/600CAF3/W33X</b>
	1090	388	9.5	13100	25000	250	350	<b>232/600CAK3/W33</b> <b>232/600CAK/W33</b>
<b>628</b>	920	212	7.5	5600	12800	260	340	<b>230/628CAF3/W33</b>
<b>630</b>	780	112	4	2200	6300	300	400	<b>238/630CAF3/W33</b>
	820	112	4	2200	6300	270	350	<b>238/670CA/W33</b>
	820	112	4	2200	6300	270	350	<b>238/670CAK/W33</b>
	820	150	4	3100	9600	270	350	<b>248/670CA/W33</b>
	850	212	7.5	4750	12200	240	330	<b>249/630/2CAF3/W33</b>
	850	165	6	4500	9750	300	600	<b>239/630CA</b> <b>239/630CAK/W33</b>
	850	165	6	4500	9750	300	600	<b>239/630CA/W33</b>
	920	212	7.5	6500	12800	300	600	<b>230/630CA/W33</b>
	920	212	7.5	6500	12800	300	600	<b>230/630CAF3</b> <b>230/630CAF3/W33</b>
	920	290	7.5	7350	17100	220	300	<b>240/630/W33</b>
	1030	315	7.5	10200	20200	200	500	<b>231/630CA/W33</b>
	1030	315	7.5	10200	20200	200	500	<b>231/630CAK/W33</b>
	1030	400	7.5	12000	25600	160	210	<b>241/630CA/W33</b> <b>241/630CAF3/W33</b>
	1030	400	7.5	12000	25600	160	210	<b>241/630CAF3/HBW33</b>
1030	400	7.5	12000	25600	160	210	<b>241/630CAK30/W33</b>	
<b>670</b>	820	112	4	2410	6600	300	600	<b>238/670CA/W33</b>

Other dimensions				Contact surface and chamfer dimensions			Calculation coefficient				Weight
d2	D1	b	k	da	Da	ra	e	Y1	Y2	Y0	
mm				mm	mm	mm	mm				kg
668	742	22.3	12	622	778	4	0.17	4.00	5.90	4.00	220
668	742	22.3	12	622	778	4	0.17	4.00	5.90	4.00	213
666	728	22.3	12	622	760	4	0.22	3.00	4.60	2.80	287
685	787	22.3	9	628	842	5	0.22	3.00	4.60	2.80	442
685	787	22.3	9	628	842	5	0.22	3.00	4.60	2.80	420
685	787			628	842	5	0.22	3.00	4.60	2.80	430
685	787	22.3	9	628	842	5	0.22	3.00	4.60	2.80	431
682	770	22.3	12	628	850	5	0.30	2.30	3.40	2.80	551
682	770	22.3	12	628	850	5	0.30	2.30	3.40	2.80	551
680	770	22.3	12	628	850	5	0.30	2.30	3.40	2.20	550
717	855	22.3	12	660	996	6	0.29	2.30	3.50	2.40	894
709	827	22	8	636	944	6	0.36	1.90	2.82	1.85	1151
709	827	22	8	636	944	6	0.36	1.90	2.82	1.85	1150
709	827	22	8	636	944	6	0.36	1.90	2.82	1.85	1134
709	827	22	8	636	944	6	0.36	1.90	2.82	1.85	1151
750	920			700	1000	8	0.35	1.93	2.88	1.80	1557
721	831	22.3	9	666	884	6	0.21	3.20	4.80	3.20	481
682	738	16.7	9	645	765	3	0.12	5.60	8.40	5.60	123
722	778	16.7	9	686	805	3	0.11	6.10	9.10	6.30	136
722	778	16.7	9	686	805	3	0.11	6.10	9.10	6.30	128
716	771	16.7	9	686	805	3	0.16	4.20	6.30	4.00	315
703	774	22.3	12								355
705	786	22.3	12	658	822	5	0.17	4.00	5.90	4.00	292
705	786	22.3	12	658	822	5	0.17	4.00	5.90	4.00	290
721	831	22.3	9	666	884	6	0.21	3.20	4.80	3.20	470
721	831	22.3	9	666	884	6	0.21	3.20	4.80	3.20	471
722	815	22.3	10	666	884	6	0.30	2.30	3.40	2.20	661
756	918	22.3	12	668	996	6	0.30	2.30	3.40	2.20	1040
756	918	22.3	12	668	996	6	0.30	2.30	3.40	2.20	1020
736	885	22.3	12	662	996	6	0.37	1.80	2.70	1.80	1440
736	885	22.3	12	662	996	6	0.37	1.80	2.70	1.80	1330
736	885	22.3	12	662	996	6	0.37	1.80	2.70	1.80	1400
721	778	16.7	9	693	805	3					128