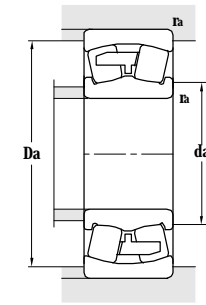
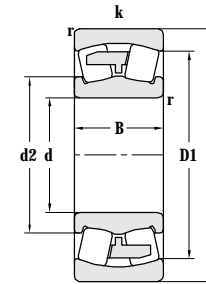
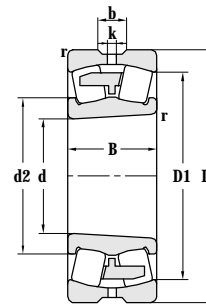
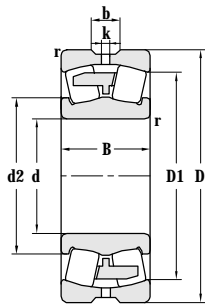


Spherical Roller Bearing (CA)

d 190~200 mm



Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r _{min}	C _r	C _{0r}	Grease	Oil	
mm				kN		r/min		
190	260	52	2	440	855	1600	2000	23938CA/W33
	280	67	2.5	660	1210			20638
	290	75	2.1	720	1300	1300	1700	23038
	290	75	2.1	720	1300	1300	1700	23038K
	290	75	2.1	720	1300	1300	1700	23038F3
	290	75	2.1	820	1450	1300	1700	23038CA
	290	75	2.1	820	1450	1300	1700	23038CAF3
	290	75	2.1	820	1450	1300	1700	23038CAK
	290	75	2.1	820	1450	1300	1700	23038CAKF3/W33
	290	100	2.1	1060	1840	950	1300	24038CA
	290	100	2.1	1060	1840	950	1300	24038CAF3
	290	100	2.1	1060	1840	950	1300	24038CA/W33X
	320	104	3	1100	1880	1000	1400	23138
	320	104	3	1100	1880	1000	1400	23138K
	320	104	3	1100	1880	1000	1400	23138F3
	320	104	3	1100	1880	1000	1400	23138KF3
	320	104	3	1300	1980	1000	1400	23138CA
	320	104	3	1300	1980	1000	1400	23138CAK/W33
	320	128	3	1520	2400	600	750	24138CA
	320	128	3	1520	2400	600	750	24138CAF3
	320	128	3	1520	2400	600	750	24138CA/HCW33
	320	128	3	1520	2400	600	750	24138CAK30F/W33
	340	92	4	1210	1620	1200	1600	22238F3
	340	92	4	1210	1620	1200	1600	22238CA
	340	92	4	1210	1620	1200	1600	22238CA/W33
	340	92	4	1210	1620	1200	1600	22238CAKF3
	340	92	4	1210	1620	1200	1600	22238CAK
	340	92	4	1210	1620	1200	1600	22238CAK/W33
	340	92	4	1210	1620	1200	1600	22238ACA
	340	120	4	1580	2400	850	1100	23238CA
	340	120	4	1580	2400	850	1100	23238CAK/W33
	400	132	5	2010	2630	850	1100	22338CA
	400	132	5	2010	2630	850	1100	22338CAF3
	400	132	5	2010	2630	850	1100	22338ACA
200	280	60	2.1	520	1150	1600	2000	23940CAF3/W33
	280	186	1.1					23940CA/W33
								H2344

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				
213	238	5.5	3	202	248	2	0.18	3.80	5.60	3.60	8.29
220	253			204	264	2					14.5
222	259	13.9	5	202	278	2					19.6
222	259	13.9	5	202	278	2					19.1
222	259	13.9	5	202	278	2					19.4
224	259	13.9	5	202	278	2	0.23	2.90	4.40	2.80	17.3
224	259			202	278	2	0.23	2.90	4.40	2.80	17.2
224	259	13.9	5	202	278	2	0.23	2.90	4.40	2.80	16.8
224	259	13.9	5	202	278	2	0.23	2.90	4.40	2.80	16.5
219	252	8.3	4.5	202	278	2	0.31	2.20	3.30	2.20	22.9
219	252			202	278	2	0.31	2.20	3.30	2.20	22.8
219	252	8.3	4.5	202	278	2	0.31	2.20	3.30	2.20	22.4
232	271			204	306	2.5					35.3
232	271	13.9	7	204	306	2.5					35.3
232	271			204	306	2.5					34.9
232	271			204	306	2.5					34.9
232	276	13.9	7	204	306	2.5	0.31	2.20	3.30	2.20	34.3
232	276	13.9	7	204	306	2.5					30
226	267	11.1	6	204	306	2.5	0.40	1.69	2.51	1.65	41.9
226	267	11.1	6	204	306	2.5	0.40	1.69	2.51	1.65	41.8
226	267	11.1	6	204	306	2.5	0.40	1.69	2.51	1.65	41.8
226	267	11.1	6	204	306	2.5	0.40	1.69	2.51	1.65	41.5
235	293			208	322	3					35.6
235	293			208	322	3	0.26	2.60	3.90	2.50	37.4
235	293	16.7	6	208	322	3	0.26	2.60	3.90	2.50	37.4
235	293			208	322	3	0.26	2.60	3.90	2.50	37.2
235	293	16.7	6	208	322	3	0.26	2.60	3.90	2.50	37.3
235	293			208	322	3	0.26	2.60	3.90	2.50	37.0
237	288	16.7	7	208	322	3	0.35	1.90	2.90	1.80	44.8
237	288	16.7	7	208	322	3	0.35	1.90	2.90	1.80	43.1
257	334	22.3	8	212	378	4	0.34	1.99	2.96	1.94	82.2
257	334			212	378	4	0.34	1.99	2.96	1.94	81.7
257	334	22.3	12	212	378	4	0.34	1.99	2.96	1.94	81.0
226	254	9.5	4	212	268	2	0.19	3.61	5.38	3.53	12.1
											16.8