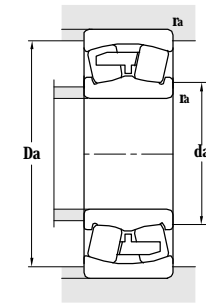
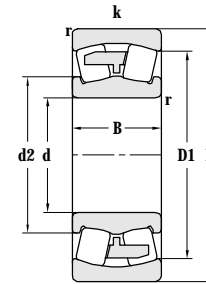
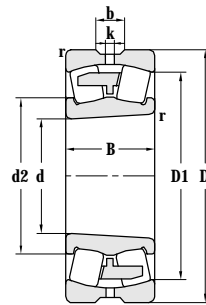
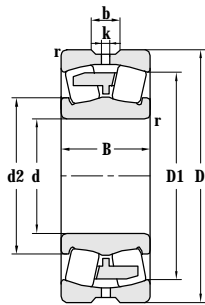


Spherical Roller Bearing(CA)

d 95-110 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>95</b>	200	67	3	637	727	1800	2400	<b>22319CA</b>	<b>22319CA/W33</b>
	200	67	3	637	727	1800	2400	<b>22319CAF3</b>	<b>22319CAK</b>
	200	67	3	637	727	1800	2400	<b>22319CAKF3</b>	<b>22319CAKF3/W33</b>
<b>100</b>	150	37	1.5	215	400	2400	3200	<b>23020CA</b>	
	150	50	1.5	271	445	2400	3200	<b>24020CA/W33</b>	
	165	52	2	347	510	2000	2800	<b>23120CA</b>	<b>23120CA/W33</b>
	165	52	2	347	510	2000	2800	<b>23120CAK/W33</b>	
	165	52	2	347	465	2000	2800	<b>23120K/W33</b>	
	180	46	2.1	404	466	2200	3000	<b>22220</b>	
	180	46	2.1	404	466	2200	3000	<b>22220CA</b>	<b>22220CA/W33</b>
	180	46	2.1	404	466	2200	3000	<b>22220CAF3</b>	<b>22220CAKF3</b>
	180	46	2.1	404	466	2200	3000	<b>22220CAK</b>	<b>22220CAK/W33</b>
	180	60.3	2.1	400	570	1700	2200	<b>23220F1/W33</b>	
	180	60.3	2.1	451	610	1700	2200	<b>23220CA</b>	<b>23220CA/W33</b>
	180	60.3	2.1	451	610	1700	2200	<b>23220CAK/W33</b>	<b>23220CAKF3/W33</b>
	215	47	3	385	490	1700	2200	<b>21320CA</b>	
	215	73	3	774	903	1700	2200	<b>22320CA</b>	<b>22320CA/W33</b>
	215	73	3	774	903	1700	2200	<b>22320CAF3</b>	<b>22320CAKF3</b>
215	73	3	774	903	1700	2200	<b>22320CAK</b>	<b>22320CAK/W33</b>	
<b>105</b>	175	56	2	402	550	1900	2700	<b>23121CA</b>	<b>23121CAL</b>
	175	56	2	402	550	1900	2700	<b>23121CA/W33</b>	
<b>110</b>	170	45	2	295	460	2200	3000	<b>23022CA</b>	<b>23022CA/W33</b>
	170	45	2	295	460	2200	3000	<b>23022CAF3</b>	<b>23022CAF3/W33</b>
	170	60	2	394	589	2100	2800	<b>24022CA</b>	<b>24022CA/W33</b>
	170	60	2	394	589	2100	2800	<b>24022CA/W33A</b>	
	180	56	2	409	580	1900	2600	<b>23122CA</b>	<b>23122CAK/C3W33</b>
	180	56	2	409	580	1900	2600	<b>23122CAF3</b>	
	180	56	2	409	580	1900	2600	<b>23122CAKF3/W33</b>	
	180	82	3	510	870	1000	1400	<b>24122X2TN1/YA6</b>	
	180	69	2	494	750	1000	1400	<b>24122F1/W33</b>	
	180	69	2	494	750	1000	1400	<b>24122CA</b>	<b>24122CA/W33</b>
	200	53	2.1	530	610	2000	2800	<b>22222CA</b>	<b>22222CA/W33</b>
	200	53	2.1	530	610	2000	2800	<b>22222CAF3</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				kg
128	167	8.3	5	109	186	2.5	0.34	1.99	2.96	1.94	10.5
128	167			109	186	2.5	0.34	1.99	2.96	1.94	10.5
128	167	8.3	5	109	186	2.5	0.34	1.99	2.96	1.94	10.3
116	135			110	140	1.5	0.23	2.90	4.40	2.80	2.52
115	133	5.5	3	110	140	1.5	0.30	2.25	3.35	2.20	3.18
121	143	5.5	3	110	155	2	0.30	2.90	4.40	2.80	4.42
121	143	5.5	3	110	155	2	0.30	2.90	4.40	2.80	4.26
121	143	5.5	3	110	155	2	0.30	2.25	3.35	2.20	4.44
126	156			112	168	2					5.24
124	156	8.3	3	112	168	2	0.24	2.80	4.20	2.80	5.18
124	156			112	168	2	0.24	2.80	4.20	2.80	5.10
124	156	8.3	3	112	168	2	0.24	2.80	4.20	2.80	4.96
125	153	9.5	4	112	168	2					6.39
125	153	9.5	4	112	168	2	0.33	2.00	3.00	2.00	6.52
125	153	9.5	4	112	168	2	0.33	2.00	3.00	2.00	6.21
138	179			114	201	2.5					8.74
138	179	11.1	5	114	201	2.5	0.35	1.90	2.90	1.80	13.8
138	179			114	201	2.5	0.35	1.90	2.90	1.80	13.4
138	179	11.1	5	114	201	2.5	0.35	1.90	2.90	1.80	13.8
127	151			115	165	2	0.31	2.20	3.30	2.20	5.48
127	151	5.5	3	115	165	2	0.31	2.20	3.30	2.20	5.35
128	150	7.5	3	120	160	2	0.25	2.70	4.00	2.60	3.58
128	150	7.5	3	120	160	2	0.25	2.70	4.00	2.60	3.54
128	150	5.5	3	120	160	2	0.32	2.09	3.11	2.04	4.98
128	150	5.5	3	120	160	2	0.32	2.09	3.11	2.04	4.90
132	156	5.5	3	120	170	2	0.30	2.25	3.35	2.20	5.73
132	156			120	170	2	0.30	2.25	3.35	2.20	5.70
132	156	5.5	3	120	170	2	0.30	2.25	3.35	2.20	5.51
123	148										7.56
131	153	5.5	2.5	120	170	2					6.91
131	153	5.5	2.5	120	170	2	0.35	1.90	2.90	1.80	6.92
139	173	8.3	4	122	188	2	0.26	2.60	3.90	2.50	7.43
139	173			122	188	2	0.26	2.60	3.90	2.50	7.37