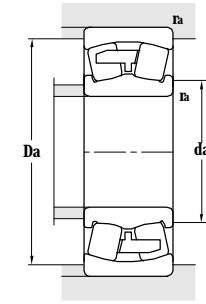
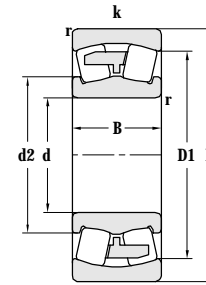
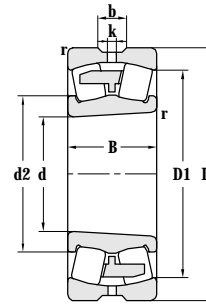
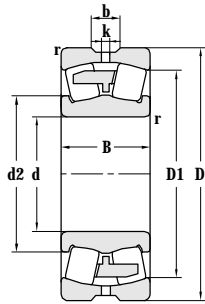


Spherical Roller Bearing(CA)

d 670~710 mm

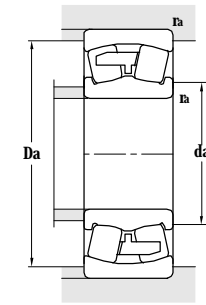
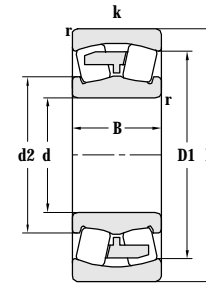
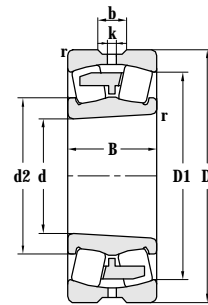
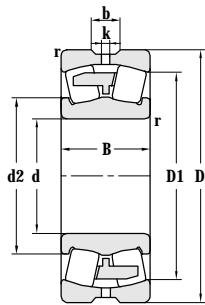


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r _{min}	C _r	C _{OR}	Grease	Oil	
mm				kN		r/min		
670	900	170	6	4850	10600	300	600	239/670CAF3/W33 239/670X1CAW33YA3
	980	230	7.5	7400	14200	300	500	230/670CAF3 230/670CAF3/W33
	980	230	7.5	7400	15000	300	500	230/670CAK3/W33
	980	230	7.5	7400	14200	300	500	230/670CA/W33
	980	308	7.5	9700	19900	250	450	240/670CA 240/670CA/W33
	1090	336	7.5	10800	22700	200	450	231/670CA/W33
	1090	336	7.5	10800	21200	200	450	231/670CAK/W33
	1090	412	7.5	14000	31500	150	200	241/670CA/W33 241/670CA/W33YA3
	1090	412	7.5	14000	31500	150	200	241/670CAK30/W33
	1220	438	12	15600	30500	200	350	232/670CA/W33 232/670CA/HCW33
	1220	438	12	15600	30500	160	350	232/670CAK/W33
680	980	160	6	4900	9950	300	500	26/680CAF3/W33
690	950	230	7.5	5930	14270	250	450	206/690CA/W33-1
	990	180	6	5500	11800	220	310	206/690CAF3/W33
700	950	180	6	5000	11900	220	300	206/700CAF3/W33
710	870	118	4	2680	7500	260	350	238/710CAF3/W33
	950	180	6	5400	12000	300	550	239/710CAF1/W33 239/710CAF3/W33
	950	180	6	5400	12000	250	310	239/710CA/W33
	950	243	6	6600	15100	250	450	249/710CAF1/W33X
	1030	200	7.5	6500	14000	300	500	220/710X2CAF3/C9W33
	1030	200	7.5	6500	14000	300	500	220/710X2CAF3/C9W33
	1030	236	7.5	8050	16200	300	500	230/710CAF3/W33
	1030	236	7.5	8050	16200	300	500	230/710CAK3/W33
	1030	236	7.5	8050	15700	300	500	230/710/W33
	1030	315	7.5	8900	21600	180	250	240/710CA/W33
	1030	315	7.5	8900	21600	180	250	240/710CAK30/W33
	1150	345	9.8	11800	25200	200	400	231/710CA/W33
	1150	345	9.8	11800	25200	200	400	231/710CAK/W33
	1150	438	9.5	14400	30800	90	120	241/710CAF1/W33 241/710CAF3/W33
	1150	438	9.5	14400	30800	90	120	241/710CA/W33
	1150	438	9.5	14400	30800	90	120	241/710CAK/W33
	1150	438	9.5	13200	31000	105	140	241/710K30/HCW33

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				
743	831	22.3	12	692	876	5	0.17	4.00	5.90	4.00	321
760	885	22.3	12	706	944	6	0.22	3.00	4.60	3.20	601
760	885	22.3	12	706	944	6	0.22	3.00	4.60	3.20	596
760	885	22.3	12	706	944	6	0.22	3.00	4.60	3.20	604
760	866	22.3	12	700	952	6	0.28	2.40	3.60	2.50	807
801	958	22.3	12	700	1056	6	0.30	2.30	3.40	2.20	1256
801	958	22.3	12	700	1056	6	0.30	2.30	3.40	2.20	1240
786	934	22.3	12	705	1056	6	0.36	1.87	2.79	1.83	1530
786	934	22.3	12	705	1056	6	0.36	1.87	2.79	1.83	1507
832	1027	22.3	12	718	1170	10	0.35	1.90	2.90	1.80	2320
832	1027	22.3	12	718	1170	10	0.35	1.90	2.90	1.80	2250
774	906	22.3	12	708	950	5					406
773	868		12	725	915	6					489
780	907	22.3	12	705	975	5	0.16				461
780	877	13.3	12	715	935	5	0.16				378
761	824	22.3	12	725	855	3	0.11	6.10	9.10	6.30	156
787	882	22.3	12	733	927	5	0.17	4.00	5.90	4.00	364
787	882	22.3	12	733	927	5	0.17	4.00	5.90	4.00	367
791	864	22.3	12	733	927	5	0.22	3.00	4.60	2.80	500
802	944	22.3	12	746	994	6					566
808	939	22.3	12								
814	939	22.3	12	746	994	6	0.21	3.20	4.80	3.20	669
814	939	22.3	12	746	994	6					649
814	939	22.3	12	746	994	6	0.21	3.20	4.80	3.20	580
806	918	22.3	12	738	1002	6	0.27	2.50	3.70	2.50	910
806	918	22.3	12	738	1002	6	0.27	2.50	3.70	2.50	893
851	1016	22.3	12	750	1110	8	0.28	2.40	3.60	2.50	1480
851	1016	22.3	12	750	1110	8	0.28	2.40	3.60	2.50	1430
838	982	22.3	12	754	1106	8	0.35	1.90	2.90	1.80	1791
838	982	22.3	12	754	1106	8	0.35	1.90	2.90	1.80	1801
838	982	22.3	12	754	1106	8	0.35	1.90	2.90	1.80	1761
836	974	23.5	12.5	754	1106	8	0.38	1.80	2.60	1.70	1800

Spherical Roller Bearing(CA)

d 710~800 mm

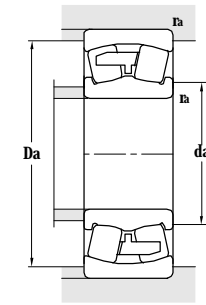
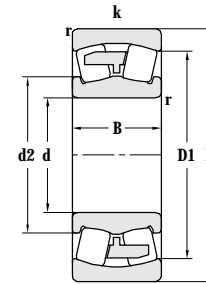
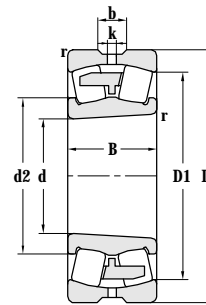
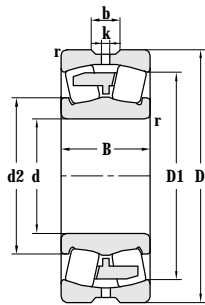


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r _{min}	C _r	C _{0r}	Grease	Oil	
mm				kN		r/min		
710	1150	438	9.5	14400	30800	160	210	241/710CAK30/W33 241/710CAK30
	1280	450	12	17200	33400	160	300	232/710CA/W33
750	920	128	5	3100	9000	240	310	238/750CA/W33
	920	128	5	2800	8100	240	310	238/750CAK/W33
	920	170	5	3550	11000	220	300	248/750F1 248/750F3
	920	170	5	3650	11300	220	300	248/750CA/W33
	1000	185	6	5800	12800	300	500	239/750CA/W33
	1000	185	6	5800	13700	300	500	239/750CAK/W33
	1000	250	6	7400	18500	250	450	249/750CA/W33
	1000	250	6	7400	17100	250	450	249/750CAK30/W33
	1090	250	7.5	9350	18000	250	450	230/750CA 230/750CAF1/W33XYA7
	1090	250	7.5	9350	18000	250	450	230/750CAF3 230/750CAF3/W33
	1090	335	7.5	9730	25000	170	220	240/750CA/W33 240/750CA
	1090	335	7.5	9730	25000	170	220	240/750CAK30/W33
	1220	365	9.5	13350	28100	200	400	231/750CA/W33
	1220	365	9.5	13350	28100	200	400	231/750CAK/W33
	1220	475	9.5	16400	37000	130	170	241/750CA/W33
	1220	475	9.5	16400	37000	130	170	241/750CAK30/W33
	1220	475	9.5	16400	37000			241/750CAK30F3/W33
	1220	475	9.5	16400	37000			241/750CAK30/HAW33
	1360	475	15	19000	37500	90	120	232/750CAF1/W33 232/750CAF3/W33
	1360	475	15	19000	37500	90	120	232/750CAK/W33
1360	475	15	19000	37500			232/750CAK30/W33	
800	980	180	5	3900	12200	250	500	248/800CA/W33
	1060	195	6	6200	14200	250	500	239/800CA/W33 239/800CAF3/W33
	1060	195	6	6200	14200	250	500	239/800CAK/W33
	1060	258	6	7750	18700	250	400	249/800CA/W33
	1060	258	6	7750	18700	250	400	249/800CAK30/W33
	1060	258	6	7750	19300	250	400	249/800CAF3/W33 249/800CAF3/W33Y3
	1150	258	7.5	9700	19400	250	450	230/800CA/W33 230/800X3CAF3/W33
	1150	345	7.5	10500	27000	170	220	240/800CAF3 240/800CAF3/W33
	1150	345	7.5	10500	27000	170	220	240/800CA/W33
	1150	400	7.5	12000	29900	150	200	240/800X2CA/C3W33-QL

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
876	1096	22.3	12	758	1232	8	0.35	1.90	2.90	1.80	1793
876	1096	22.3	12	758	1232	10	0.35	1.90	2.90	1.80	2571
806	873	22.3	12	770	902	4	0.11	6.10	9.10	6.30	186
806	873	22.3	12	770	902	4	0.11	6.10	9.10	6.30	180
808	864			770	902	4	0.16	4.20	6.30	4.00	249
808	864	22.3	12	770	902	4	0.16	4.20	6.30	4.00	253
831	930	22.3	12	772	976	5	0.16	4.20	6.30	4.00	414
831	930	22.3	12	772	976	5	0.16	4.20	6.30	4.00	401
830	916	22.3	12	773	976	5	0.22	3.00	4.60	2.80	566
830	916	22.3	12	773	976	5	0.22	3.00	4.60	2.80	558
847	987	22.3	12	786	1054	6	0.21	3.20	4.80	3.20	789
847	987	22.3	12	786	1054	6	0.21	3.20	4.80	3.20	786
852	970	22.3	12	779	1062	6	0.28	2.40	3.60	2.50	1070
852	970	22.3	12	779	1062	6	0.28	2.40	3.60	2.50	1070
898	1080	22.3	12	798	1180	8	0.28	2.40	3.60	2.50	1760
898	1080	22.3	12	798	1180	8	0.28	2.40	3.60	2.50	1760
872	1039	22.3	12	792	1175	8	0.35	1.90	2.90	1.80	2170
872	1039	22.3	12	792	1175	8	0.35	1.90	2.90	1.80	2135
872	1039	22.3	12	792	1175	8	0.35	1.90	2.90	1.80	2146
872	1039	22.3	12	792	1175	8					2160
930	1145	22.3	12	876	1536	14	0.36	1.87	2.79	1.83	3100
930	1145	22.3	12	876	1536	14	0.36	1.87	2.79	1.83	3012
930	1145	22.3	12	876	1536	14	0.36	1.87	2.79	1.83	2975
930	1145	22.3	12	876	1536	14	0.36	1.87	2.79	1.83	3028
860	920	22.3	12	820	962	4	0.15	4.50	6.70	4.50	330
883	985	22.3	12	823	1036	5	0.16	4.20	6.30	4.00	480
883	985	22.3	12	823	1036	5	0.16	4.20	6.30	4.00	460
880	971	22.3	12	823	1036	5	0.21	3.20	4.80	3.20	648
880	971	22.3	12	823	1036	5	0.21	3.20	4.80	3.20	635
880	971	22.3	12	823	1036	5	0.21	3.20	4.80	3.20	634
900	1029	22.3	12	836	1114	6	0.20	3.40	5.00	3.20	894
900	1029	22.3	12	836	1114	6	0.27	2.50	3.70	2.50	1092
900	1029	22.3	12	836	1114	6	0.27	2.50	3.70	2.50	1094
900	1029	22.3	12	836	1114	6	0.27	2.50	3.70	2.50	1330

Spherical Roller Bearing(CA)

d 800~900 mm

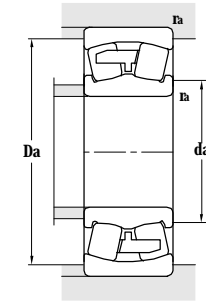
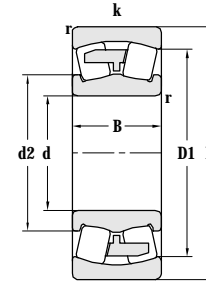
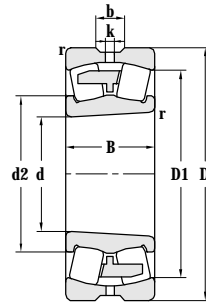
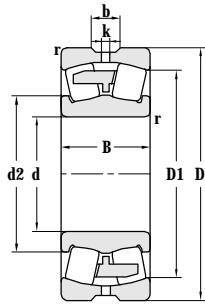


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r _{min}	C _r	C _{0r}	Grease	Oil	
mm				kN		r/min		
800	1280	375	9.5	14350	30550	150	350	231/800CA/W33
	1280	375	9.5	14350	30550	150	350	231/800CAK/W33
	1280	475	9.5	17500	38400	130	170	241/800CAF1/W33 241/800CAF3/W33
	1280	475	9.5	17500	38400	130	170	241/800CAK30/W33
	1420	488	15	19900	41000	100	150	232/800CAK30/W33
	1420	488	15	19900	41000	100	150	232/800CAKF3/W33
850	1030	136	5	3400	10000	180	250	238/850CA/W33
	1030	136	5	3400	10000	180	250	238/850CAK/W33
	1120	200	6	5800	15100	250	450	239/850CA/W33
	1120	200	6	5800	15100	250	450	239/850CAK/W33
	1120	272	6	7920	22100	200	350	249/850CAF/W33 249/850CAF3/W33
	1120	272	6	7920	22100	200	350	249/850CAK30/W33
	1220	272	7.5	9050	22500	200	400	230/850CAF1
	1220	272	7.5	9700	22500	200	400	230/850CAKF1 230/850CAKF3
	1220	272	7.5	9950	23000	200	400	230/850CAF3/W33
	1220	365	7.5	12000	29900	160	200	240/850CAF1/W33X 240/850CAF1/YA1
	1220	365	7.5	12000	29900	160	200	240/850CAF1/W33 240/850CAF1
	1220	365	7.5	12000	29900	160	200	240/850CAF3/W33X 240/850CAF3/YA1
	1220	365	7.5	12000	29900	160	200	240/850CA/W33
	1220	365	7.5	12000	29900	160	200	240/850X2CAF3/W33X
	1220	365	7.5	12000	29900	160	200	240/850CAF3/W33 240/850CAF3
	1360	400	12	15600	33450	150	350	231/850CA/W33
	1360	400	12	15600	33450	150	350	231/850CAK/W33
	1360	500	12	19200	42700	105	140	241/850CA/W33
1360	500	12	19200	42700	105	140	241/850CA30K/W33	
884	1320	365	7.5	12900	28900	110	150	240/884/HCC9YA1 240/884F3/HCC9YA1
900	1090	190	5	4900	15500	210	375	248/900CA/W33
	1180	206	6	6250	16490	200	400	239/900CAF1/W33 239/900CAF3/W33
	1180	206	6	6250	16490	200	400	239/900CA/C3W33-QL 239/900CA/W33
	1180	206	6	6250	16490	200	400	239/900CAKF3/W33
	1270	365	7.5	11400	28400	160	210	240/900X3/HC 240/900X3/HCYA3
	1270	365	7.5	11400	28400	160	210	240/900X3/W33
	1270	365	7.5	11400	28400	160	210	240/900X3/HCC9YA1

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
948	1140	22.3	12	842	1238	8	0.28	2.40	3.60	2.50	1960
948	1140	22.3	12	842	1238	8	0.28	2.40	3.60	2.50	1900
938	1102	22.3	12	842	1238	8	0.35	1.90	2.90	1.80	2350
938	1102	22.3	12	842	1238	8	0.35	1.90	2.90	1.80	2313
989	1198	22.3	12	899	1328	14	0.35	2.80	1.90	1.90	3419
989	1198	22.3	12	918	1328	14	0.35	2.80	1.90	1.90	3301
910	980	22.3	12	866	1012	4	0.11	6.10	9.10	6.30	232
910	980	22.3	12	866	1012	4	0.11	6.10	9.10	6.30	236
938	1045	22.3	12	872	1097	5	0.16	4.20	6.30	4.00	570
938	1045	22.3	12	872	1097	5	0.16	4.20	6.30	4.00	550
938	1028	22.3	12	872	1097	5	0.22	3.00	4.60	2.80	750
938	1028	22.3	12	872	1097	5	0.22	3.00	4.60	2.80	730
954	1108			886	1184	6	0.20	3.40	5.00	3.20	1074
954	1108			886	1184	6	0.20	3.40	5.00	3.20	1070
954	1108	22.3	12	886	1184	6	0.20	3.40	5.00	3.20	1073
956	1086	22.3	12	886	1184	6	0.27	2.50	3.70	2.50	1410
956	1086	22.3	12	886	1184	6	0.27	2.50	3.70	2.50	1410
956	1086	22.3	12	886	1184	6	0.27	2.50	3.70	2.50	1410
956	1086	22.3	12	886	1184	6	0.27	2.50	3.70	2.50	1416
956	1086	22.3	12	886	1184	6	0.27	2.50	3.70	2.50	1275
956	1086	22.3	12	886	1184	6	0.27	2.50	3.70	2.50	1410
1008	1204	22.3	12	898	1312	10	0.28	2.40	3.60	2.50	2260
1008	1204	22.3	12	898	1312	10	0.28	2.40	3.60	2.50	2180
986	1180	22.3	12	898	1312	10	0.35	1.90	2.90	1.80	2750
986	1180	22.3	12	898	1312	10	0.35	1.90	2.90	1.80	2720
1038	1184	24	12	936	1258	6	0.28	2.40	3.60	2.50	1811
963	1031	22.3	12	918	1073	4	0.14	4.80	7.20	4.50	370
988	1096	22.3	12	928	1150	5	0.15	4.50	6.70	4.50	611
988	1096	22.3	12	928	1150	5	0.15	4.50	6.70	4.50	616
988	1096	22.3	12	928	1150	5	0.15	4.50	6.70	4.50	591
1007	1139	24	12	936	1236	6	0.28	2.40	3.60	2.50	1434
1007	1139	24	12	936	1236	6	0.28	2.40	3.60	2.50	1434
1007	1139	24	12	936	1236	6	0.28	2.40	3.60	2.50	1434

Spherical Roller Bearing(CA)

d 900~1000 mm

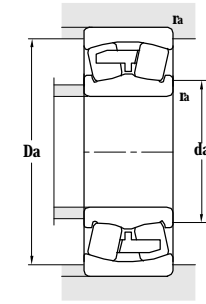
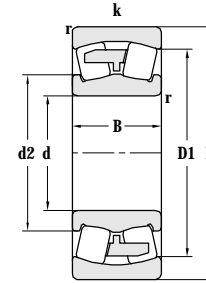
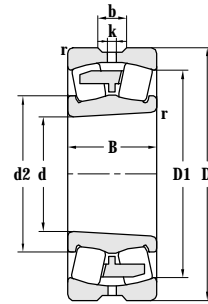
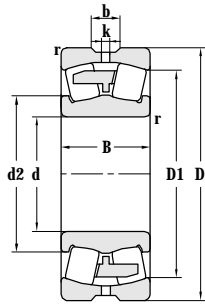


Principal dimensions				Basic load ratings		Limit speed ratings		Designations	
d	D	B	r _{min}	C _r	C _{0r}	Grease	Oil		
mm				kN		r/min			
900	1280	280	7.5	9800	22500	200	350	230/900CA/W33	
	1280	280	7.5	10100	23300	200	350	230/900CAF3/W33	
	1280	280	7.5	9600	22000	200	350	230/900CAK/W33	
	1280	375	7.5	13300	34000	140	190	240/900CA/W33	
	1280	375	7.5	10000	28000	150	190	240/900/W33	
	1280	480	7.5	15800	40400	140	170	240/900X2CA/C3W33-QL	
	1270	365	7.5	10800	26600	140	170	240/900X3/W33	
	1270	365	7.5	9900	28400	140	170	240/900X3/HC	
	1270	365	7.5	11800	29700	140	170	240/900X3F3/HCR 240/900X3F3/HCRYA3	
	1270	365	7.5	11800	29700	140	170	240/900X3/HCC9YA1	
	1320	365	7.5	10500	27600	130	170	240/900X3/HCC9-1	
	1420	515	12	20300	46500	95	140	241/900CA/W33	
	1420	515	12	20300	46500	95	140	241/900CAK/W33	
	1420	515	12	20300	46500	95	140	241/900CAF3/W33	
	1420	515	12	20300	46500	95	140	241/900CAK30/W33 241/900CAK30F3/W33	
	1580	515	15	23600	49000	90	110	232/900CAK30/W33	
	1580	515	15	23600	49000	90	110	232/900CAK30F3/W33	
950	1250	224	7.5	7350	19000	200	400	239/950CA/W33	
	1250	300	7.5	8900	25200	150	300	249/950CA/W33	
	1250	300	7.5	8900	25200	150	300	249/950CAK30/W33	
	1360	300	7.5	11600	27650	150	350	230/950CAF3/W33	
	1360	412	7.5	14600	39000	125	160	240/950CA/W33	
	1360	412	7.5	14000	37000	125	160	240/950CAK30/W33	
	1500	438	12	18500	41600	90	130	231/950CA	
	1500	545	7.5	22700	52200	90	120	241/950CA/W33	
	1500	545	7.5	22700	52200	90	120	241/950CAK30/W33	
	1000	1220	165	6	4400	13600	150	300	238/1000CAKF1A/W20 238/1000CAKF3A/W20
		1220	165	6	4580	13600	150	300	238/1000CA/C3W33-QL
1320		315	7.5	10400	29000	150	300	249/1000CA/W33	
1320		315	7.5	10400	29000	150	300	249/1000CAK30/W33	
1420		260	7.5	10600	24000	150	170	220/1000X2CAF3/W33	
1420		308	7.5	12700	30500	150	175	230/1000CAF1/W33 230/1000CAF3/W33	
1420		412	7.5	14600	40500	110	150	240/1000CAF3/W33	
1420		412	7.5	15600	40000	110	150	240/1000/W33	

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
1024	1175	22.3	12	928	1250	6	0.20	3.40	5.00	3.20	1220
1024	1175	22.3	12	928	1250	6	0.20	3.40	5.00	3.20	1168
1024	1175	22.3	12	928	1250	6	0.20	3.40	5.00	3.20	1180
1010	1136	22.3	12	936	1244	6	0.26	2.60	3.90	2.50	1570
1008	1136	24	12	936	1244	6	0.26	2.60	3.90	2.50	1520
1000	1136	25	25	936	1244	6	0.26	2.60	3.90	2.50	1976
1139	1007	24	12	850	1220	6					1440
1007	1139	24	12	850	1220	6					1434
1139	1007	24	12	850	1220	6					1434
1139	1007	24	12	850	1220	6					1434
1021	1184	24	12	940	1282	6	0.26	2.60	3.90	2.50	1730
1042	1233	22.3	12	948	1372	10	0.35	1.90	2.90	1.80	3060
1042	1233	22.3	12	948	1372	10	0.35	1.90	2.90	1.80	3400
1042	1233	22.3	12	948	1372	10	0.35	1.90	2.90	1.80	3042
1042	1233	22.3	12	948	1372	10	0.35	1.90	2.90	1.80	3360
1114	1354		20	960	1500	14					4360
	1354		20	960	1500	14					
1046	1163	22.3	12	978	1222	6	0.15	4.50	6.70	4.50	759
1048	1149	22.3	12	978	1222	6	0.21	3.20	4.80	3.20	1030
1048	1149	22.3	12	978	1222	6	0.21	3.20	4.80	3.20	1000
1075	1234	22.3	12	978	1330	6	0.20	3.40	5.00	3.20	1440
1072	1212	22.3	12	978	1330	6	0.27	2.50	3.70	2.50	1971
1072	1212	22.3	12	978	1330	6	0.27	2.50	3.70	2.50	2000
1121	1319										2997
1104	1304	22.3	12	998	1452	6	0.35	1.90	2.90	1.80	3600
1104	1304	22.3	12	998	1452	6	0.35	1.90	2.90	1.80	3540
1069	1154		9	972	1260	5	0.11	5.92	8.81	5.78	402
1069	1154	22.3	12	972	1260	5	0.11	5.92	8.81	5.78	407
1108	1211	22.3	12	965	1291	6	0.21	3.20	4.80	3.20	1188
1108	1211	22.3	12	965	1291	6	0.21	3.20	4.80	3.20	1200
1129	1304	22.3	12	965	1380	6					1332
1140	1303	22.3	12	965	1392	6	0.19	3.60	5.30	3.60	1590
1130	1267	22.3	12	965	1392	6	0.26	2.60	3.90	2.50	2130
1127	1273	22.3	12	965	1385	6					2150

Spherical Roller Bearing(CA)

d 1000~1180 mm

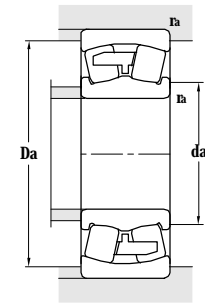
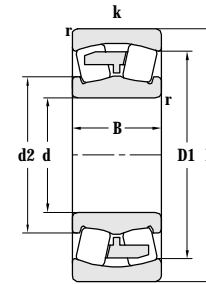
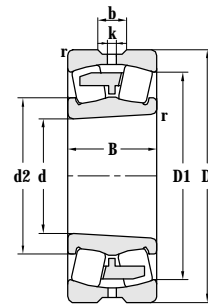
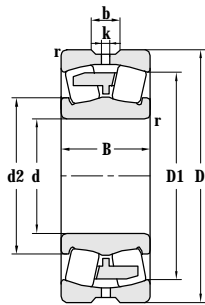


Principal dimensions				Basic load ratings		Limit speed ratings		Designations
d	D	B	r _{min}	C _r	C _{0r}	Grease	Oil	
mm				kN		r/min		
1000	1580	462	12	20300	45600	95	130	231/1000CA/W33
	1580	462	12	20300	45600	95	130	231/1000CAK/W33
	1580	580	12	25300	58900	85	110	241/1000CA/W33
	1580	580	12	25300	58900	85	110	241/1000CAK30/W33
1060	1280	165	6	4500	14200	150	195	238/1060CA/W33
	1280	165	6	4500	14200	150	195	238/1060CAK/W33
	1280	218	6	5800	19000	125	160	248/1060CA/W33
	1280	218	6	5800	19000	125	160	248/1060CAK30/W33
	1400	250	7.5	9870	26300	145	170	239/1060CAF3/W33
	1400	250	7.5	9000	24700	145	170	239/1060CAF3/W33X
	1400	250	7.5	9870	26300	145	170	239/1060CAKF3/W33
	1400	260	7.5	9450	25400	145	170	239/1060X2CAF3/W33
	1400	335	7.5	11150	31500	145	170	249/1060CAF3/W33
	1400	335	7.5	11150	31500	120	150	249/1060CA/W33
	1400	335	7.5	11150	31500	120	150	249/1060CAK30/W33
	1500	325	9.5	13380	32300	120	160	230/1060CA/W33
	1500	325	9.5	13100	32300	120	160	230/1060CAK/W33
	1500	438	9.5	17000	44100	110	150	240/1060F3/HCW33
	1500	438	9.5	17000	44100	110	150	240/1060F3/W33
	1500	438	9.5	17200	45000	100	145	240/1060CA/W33
	1500	530	9.5	20000	52500	100	145	240/1060X2CAF3/W33
1500	438	9.5	17200	45000	100	145	240/1060CAK30/W33	
1120	1360	243	6	6900	22800	105	250	248/1120CA/W33
	1360	243	6	6900	22800	105	250	248/1120CAK30/W33
	1460	335	7.5	12000	35200	100	250	249/1120CAF3/W33
	1580	345	9.5	15000	38100	100	200	230/1120CAF3/W33X
	1580	462	9.5	18100	48500	100	200	240/1120CA/W33
	1580	462	9.5	17800	47500	100	200	240/1120CAK30/W33
	1750	630	15	29500	72000	70	80	241/1120K30F3/W33X
1180	1420	180	6	5500	17600	150	190	238/1180CAK1AW20
	1420	180	6	5500	17600	150	190	238/1180CAF3AW20
	1420	243	6	7300	25600	130	160	248/1180CA/W33

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				
1181	1404	22.3	12	965	1532	10	0.28	2.40	3.50	2.50	3520
1181	1404	22.3	12	965	1532	10	0.28	2.40	3.50	2.50	3410
1160	1372	22.3	12	965	1532	10	0.35	1.90	2.90	1.80	4350
1160	1372	22.3	12	965	1532	10	0.35	1.90	2.90	1.80	4260
1134	1218	22.3	12	1082	1258	5	0.11	6.10	9.10	6.30	440
1134	1218	22.3	12	1082	1258	5	0.11	6.10	9.10	6.30	425
1136	1211	22.3	12	1082	1258	5	0.14	4.80	7.20	4.50	576
1136	1211	22.3	12	1082	1258	5	0.14	4.80	7.20	4.50	565
1170	1304	22.3	12	1090	1365	6	0.16	4.20	6.30	4.00	1075
1170	1304	22.3	12	1090	1365	6	0.16	4.20	6.30	4.00	1041
1170	1304	22.3	12	1090	1365	6	0.16	4.20	6.30	4.00	1041
1170	1300	22.3	12	1090	1365	6					1111
1170	1304	22.3	12	1090	1365	6	0.16	4.20	6.30	4.00	1441
1164	1285	22.3	12	1090	1365	6	0.21	3.20	4.80	3.20	1420
1164	1285	22.3	12	1090	1365	6	0.21	3.20	4.80	3.20	1390
1200	1377	22.3	12	1093	1465	8	0.19	3.60	5.30	3.60	2300
1200	1377	22.3	12	1093	1465	8	0.19	3.60	5.30	3.60	2210
1185	1339	22.3	12	1093	1465	8	0.27	2.50	3.70	2.50	2500
1185	1339	22.3	12	1093	1465	8	0.27	2.50	3.70	2.50	2500
1190	1339	22.3	12	1093	1465	8	0.26	2.60	3.90	2.50	2540
1190	1339	22.3	12	1093	1465	8	0.26	2.60	3.90	2.50	3010
1190	1339	22.3	12	1093	1465	8	0.26	2.60	3.90	2.50	2540
1198	1278	22.3	12	1140	1335	5	0.15	4.50	6.70	4.50	740
1198	1278	22.3	12	1140	1335	5	0.15	4.50	6.70	4.50	725
1235	1348	22.3	12	1146	1431	6	0.20	3.40	5.00	3.20	1500
1286	1443	40	25	1155	1545	8	0.19	3.40	5.00	3.20	2210
1268	1421	22.3	12	1155	1545	8	0.26	2.60	3.90	2.50	2940
1268	1421	22.3	12	1155	1545	8	0.26	2.60	3.90	2.50	2850
1297	1509		16								5610
1254	1349		9	1180	1450	5	0.11	6.28	9.35	6.14	577
1254	1349		9	1180	1450	5	0.11	6.28	9.35	6.14	580
1250	1344	22.3	12	1180	1450	5	0.14	4.80	7.20	4.50	790

Spherical Roller Bearing(CA)

d 1180~2000 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		
1180	1420	243	6	7300	25600	130	160	248/1180CAK30/W33
	1540	272	7.5	10750	30000	110	150	239/1180CAF3/W33X
	1540	272	7.5	10750	30000	110	150	239/1180CAF3/W33
	1540	355	7.5	13900	40000	110	150	249/1180CAF1/W33X
	1540	355	7.5	13900	40000	110	150	249/1180CAF3/W33X
	1540	355	7.5	13900	40000	110	150	249/1180CAK30F3/W33
	1660	355	9.5	15000	36000	110	150	230/1180CA/HCRW33X
	1660	355	9.5	10700	29600	110	150	230/1180CAF3/W33X
	1660	355	9.5	10700	29600	110	150	230/1180F3/HCRC9W33X
1200	1500	280	7.5	10100	31000	130	150	206/1200CA/W33
1250	1750	375	9.5	17350	43650	100	120	230/1250CA/W33
	1750	375	9.5	17350	43650	100	120	230/1250CAK/W33
1320	1600	280	6	9820	33500	85	120	248/1320CA/W33
	1600	280	6	9300	31800	85	120	248/1320CA30/W33
	1720	400	7.5	15600	46500	80	110	249/1320CA/W33
	1720	400	7.5	16400	49000	80	110	249/1320CAF3/HBW33
	1720	400	7.5	15300	46500	80	110	249/1320CAK30/W33
	1850	530	12	23200	63300	70	85	240/1320CAF3/W33T
1350	1650	315	7.5	11600	39500	80	110	206/1350CAF3/W33
1400	1820	425	9.5	20000	58500	70	85	249/1400CAF3/W33
1440	1760	315	7.5	11500	39700	70	85	206/1440F3/W20
1500	1820	315	7.5	12000	42700	67	83	248/1500CA/W33
	1820	315	7.5	12000	42700	67	83	248/1500CAK30F3/W20
1600	2100	450	9.5	24500	74300	60	70	249/1600X3CA/W33
1800	2180	375	9.5	16700	59800	60	70	248/1800CA/W33
	2180	375	9.5	16700	59800	60	70	248/1800CAK30/W33
2000	2700	550	10	38000	107000	45	56	206/2000F1/C9W33X

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				
1250	1344	22.3	12	1180	1450	5	0.14	4.80	7.20	4.50	770
1296	1432	24	12	1216	1536	6	0.16	4.20	6.30	4.00	1346
1296	1432	24	12	1216	1536	6	0.16	4.20	6.30	4.00	1391
1290	1422	22.3	12	1216	1536	6	0.20	3.42	5.09	3.34	1772
1290	1422	22.3	12	1216	1536	6	0.20	3.42	5.09	3.34	1742
1328	1509	24	12	1240	1600	8	0.20	3.42	5.09	3.34	2476
1328	1509	24	12	1240	1600	8	0.20	3.42	5.09	3.34	2460
1328	1509	24	12	1240	1600	8	0.20	3.42	5.09	3.34	2460
1296	1406	22.3	12	1236	1460	6					1150
1412	1610	22.3	12	1285	1715	8	0.19	3.60	5.30	3.60	2850
1412	1610	22.3	12	1285	1715	8	0.19	3.60	5.30	3.60	2760
1418	1513	22.3	12	1342	1578	5	0.15	4.50	6.70	4.50	1175
1418	1513	22.3	12	1342	1578	5	0.15	4.50	6.70	4.50	1150
1446	1588	24	12	1350	1691	6	0.21	3.20	4.80	3.20	2510
1446	1588	24	12	1350	1691	6	0.21	3.20	4.80	3.20	2500
1446	1588	24	12	1350	1691	6	0.21	3.20	4.80	3.20	2460
1485	1662	40	25	1390	1765	11	0.25	2.70	4.00	2.60	4540
1450	1553	22.3	12	1390	1614	6					1473
1528	1681	22.3	12	1452	1768	8	0.20	3.42	5.09	3.34	2920
1543	1652		12	1475	1723	6					1685
1608	1710	24	12	1528	1792	6	0.15	4.50	6.70	4.50	1730
1608	1710		12	1528	1792	6	0.15	4.50	6.70	4.50	1717
1755	1938	22.30	12.0								4300
1935	2058	24	12	1832	2145	8	0.15	4.50	6.70	4.50	2920
1935	2058	24	12	1832	2145	8	0.15	4.50	6.70	4.50	2870
1540	2502	52.3	25	2060	2645	8					9110