



Shaanxi Gainhui Heavy Industries Co., Ltd.
Bearing Manufacturer And Supplier In China

BECAUSE WE ARE FOCUSED WE ARE PROFESSIONAL

We are committed to providing competitive bearing products and OEM services to global customers.



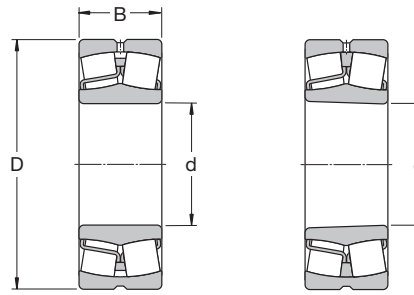
SKF Spherical Roller Bearings



Bearing Series:

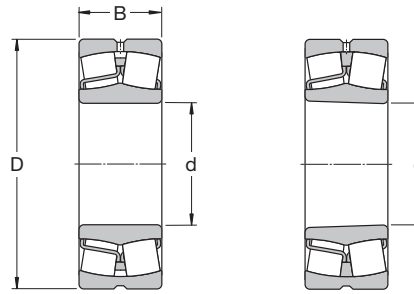
20000E series, 20000EK series, 20000CC series,
20000CCK series, 20000CC/W33 series,
20000CA/W33 series, 20000CCK/W33 series,
20000CCK30/W33 series, 20000ECCJ/W33 series,
20000ECCK30/W33 series





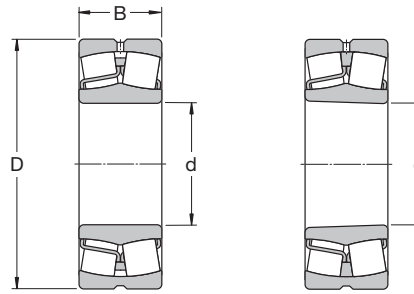
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _U	Refer- ence speed	Limiting speed		Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min		kg	—	
20	52	18	0.787	2.047	0.709	49	44	4.75	13 000	17 000	0.28	* 22205/20 E	—
25	52	18	0.984	2.047	0.709	49	44	4.75	13 000	17 000	0.26	* 22205 E	* 22205 EK
	62	17		2.441	0.669	41.4	41.5	4.55	8 500	12 000	0.28	* 21305 CC	—
30	62	20	1.181	2.441	0.787	64	60	6.4	10 000	14 000	0.29	* 22206 E	* 22206 EK
	72	19		2.835	0.748	55.2	61	6.8	7 500	10 000	0.41	* 21306 CC	* 21306 CCK
35	72	23	1.378	2.835	0.906	86.5	85	9.3	9 000	12 000	0.45	* 22207 E	* 22207 EK
	80	21		3.150	0.827	65.6	72	8.15	6 700	9 500	0.55	* 21307 CC	* 21307 CCK
40	80	23	1.575	3.150	0.906	96.5	90	9.8	8 000	11 000	0.53	* 22208 E	* 22208 EK
	90	23		3.543	0.906	104	108	11.8	7 000	9 500	0.75	* 21308 E	* 21308 EK
	90	33		3.543	1.299	150	140	15	6 000	8 000	1.05	* 22308 E	* 22308 EK
45	85	23	1.772	3.346	0.906	102	98	10.8	7 500	10 000	0.58	* 22209 E	* 22209 EK
	100	25		3.937	0.984	125	127	13.7	6 300	8 500	0.99	* 21309 E	* 21309 EK
	100	36		3.937	1.417	183	183	19.6	5 300	7 000	1.4	* 22309 E	* 22309 EK
50	90	23	1.969	3.543	0.906	104	108	11.8	7 000	9 500	0.63	* 22210 E	* 22210 EK
	110	27		4.331	1.063	156	166	18.6	5 600	7 500	1.35	* 21310 E	* 21310 EK
	110	40		4.331	1.575	220	224	24	4 800	6 300	1.9	* 22310 E	* 22310 EK
55	100	25	2.165	3.937	0.984	125	127	13.7	6 300	8 500	0.84	* 22211 E	* 22211 EK
	120	29		4.724	1.142	156	166	18.6	5 600	7 500	1.7	* 21311 E	* 21311 EK
	120	43		4.724	1.693	270	280	30	4 300	5 600	2.45	* 22311 E	* 22311 EK
60	110	28	2.362	4.331	1.102	156	166	18.6	5 600	7 500	1.15	* 22212 E	* 22212 EK
	130	31		5.118	1.220	212	240	26.5	4 800	6 300	2.1	* 21312 E	* 21312 EK
	130	46		5.118	1.811	310	335	36.5	4 000	5 300	3.1	* 22312 E	* 22312 EK
65	100	35	2.559	3.394	1.378	132	173	20.4	4 300	6 300	0.95	* 24013 CC/W33	* 24013 CCK30/W33
	120	31		4.724	1.220	193	216	24	5 000	7 000	1.55	* 22213 E	* 22213 EK
	140	33		5.512	1.299	236	270	29	4 300	6 000	2.55	* 21313 E	* 21313 EK
	140	48		5.512	1.890	340	360	38	3 800	5 000	3.75	* 22313 E	* 22313 EK
70	125	31	2.756	4.921	1.220	208	228	25.5	5 000	6 700	1.55	* 22214 E	* 22214 EK
	150	35		5.906	1.378	285	325	34.5	4 000	5 600	3.1	* 21314 E	* 21314 EK
	150	51		5.906	2.008	400	430	45	3 400	4 500	4.55	* 22314 E	* 22314 EK
75	115	40	2.953	4.528	1.575	173	232	28.5	3 800	5 300	1.55	* 24015 CC/W33	* 24015 CCK30/W33
	130	31		5.118	1.220	212	240	26.5	4 800	6 300	1.7	* 22215 E	* 22215 EK
	160	37		6.299	1.457	285	325	34.5	4 000	5 600	3.75	* 21315 E	* 21315 EK
	160	55		6.299	2.165	440	475	48	3 200	4 300	5.55	* 22315 E	* 22315 EK
80	140	33	3.150	5.512	1.299	236	270	29	4 300	6 000	2.1	* 22216 E	* 22216 EK
	170	39		6.693	1.535	325	375	39	3 800	5 300	4.45	* 21316 E	* 21316 EK
	170	58		6.693	2.283	490	540	54	3 000	4 000	6.6	* 22316 E	* 22316 EK
85	150	36	3.346	5.906	1.417	285	325	34.5	4 000	5 600	2.65	* 22217 E	* 22217 EK
	180	41		7.087	1.614	325	375	39	3 800	5 300	5.2	* 21317 E	* 21317 EK
	180	60		7.087	2.362	550	620	61	2 800	3 800	7.65	* 22317 E	* 22317 EK
90	160	40	3.543	6.299	1.575	325	375	39	3 800	5 300	3.4	* 22218 E	* 22218 EK
	160	52.4		6.299	2.063	355	440	48	2 800	3 800	4.65	* 23218 CC/W33	* 23218 CCK/W33
	190	43		7.480	1.693	380	450	46.5	3 600	4 800	6.1	* 21318 E	* 21318 EK
	190	64		7.480	2.520	610	695	67	2 600	3 600	9.05	* 22318 E	* 22318 EK

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _U	Refer- ence speed	Limiting speed		Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min		kg	—	
95	170	43	3.740	6.693	1.693	380	450	46.5	3 600	4 800	4.15	* 22219 E	* 22219 EK
	200	45		7.874	1.772	425	490	49	3 400	4 500	7.05	* 21319 E	* 21319 EK
	200	67		7.874	2.638	670	765	73.5	2 600	3 400	10.5	* 22319 E	* 22319 EK
100	150	50	3.937	5.906	1.969	285	415	45.5	2 800	4 000	3.15	* 24020 CC/W33	* 24020 CCK30/W33
	165	52		6.496	2.047	365	490	53	3 000	4 000	4.55	* 23120 CC/W33	* 23120 CCK/W33
	165	65		6.496	2.559	455	640	68	2 400	3 200	5.65	* 24120 CC/W33	* 24120 CCK30/W33
	180	46	4.724	7.087	1.811	425	490	49	3 400	4 500	4.9	* 22220 E	* 22220 EK
	180	60.3		7.087	2.374	475	600	63	2 400	3 400	6.85	* 23220 CC/W33	* 23220 CCK/W33
	215	47		8.465	1.850	425	490	49	3 400	4 500	8.6	* 21320 E	* 21320 EK
	215	73		8.465	2.874	815	950	88	2 400	3 000	13.5	* 22320 E	* 22320 EK
	170	45	4.331	6.693	1.772	310	440	46.5	3 400	4 300	3.8	* 23022 CC/W33	* 23022 CCK/W33
	170	60		6.693	2.362	415	620	67	2 400	3 600	5	* 24022 CC/W33	* 24022 CCK30/W33
	180	56		7.087	2.205	430	585	61	2 800	3 600	5.75	* 23122 CC/W33	* 23122 CCK/W33
110	180	69	4.724	7.087	2.717	520	750	78	2 200	3 000	7.1	* 24122 CC/W33	* 24122 CCK30/W33
	200	53		7.874	2.087	560	640	63	3 000	4 000	7	* 22222 E	* 22222 EK
	200	69.8		7.874	2.748	600	765	76.5	2 200	3 200	9.85	* 23222 CC/W33	* 23222 CCK/W33
	240	80		9.449	3.150	950	1120	100	2 000	2 800	18.4	* 22322 E	* 22322 EK
	180	46	4.724	7.087	1.811	355	510	53	3 200	4 000	4.2	* 23024 CC/W33	* 23024 CCK/W33
	180	60		7.087	2.362	430	670	68	2 400	3 400	5.45	* 24024 CC/W33	* 24024 CCK30/W33
	200	62		7.874	2.441	510	695	71	2 600	3 400	8	* 23124 CC/W33	* 23124 CCK/W33
	200	80		7.874	3.150	655	950	95	1 900	2 600	10.3	* 24124 CC/W33	* 24124 CCK30/W33
120	215	58	5.118	8.465	2.283	630	765	73.5	2 800	3 800	8.7	* 22224 E	* 22224 EK
	215	76		8.465	2.992	695	930	93	2 000	2 800	12	* 23224 CC/W33	* 23224 CCK/W33
	260	86		10.236	3.386	965	1120	100	2 000	2 600	23	* 22324 CC/W33	* 22324 CCK/W33
	200	52	5.118	7.874	2.047	430	610	62	2 800	3 600	6	* 23026 CC/W33	* 23026 CCK/W33
	200	69		7.874	2.717	540	815	81.5	2 000	3 000	8.05	* 24026 CC/W33	* 24026 CCK30/W33
	210	64		8.268	2.520	560	780	78	2 400	3 200	8.8	* 23126 CC/W33	* 23126 CCK/W33
	210	80	5.118	8.268	3.150	680	1000	100	1 800	2 400	11	* 24126 CC/W33	* 24126 CCK30/W33
	230	64		9.055	2.520	735	930	88	2 600	3 600	11	* 22226 E	* 22226 EK
130	230	80		9.055	3.150	780	1060	104	1 900	2 600	14.5	* 23226 CC/W33	* 23226 CCK/W33
	280	93	5.512	11.024	3.661	1 120	1 320	114	1 800	2 400	29	* 22326 CC/W33	* 22326 CCK/W33
	210	53		8.268	2.087	465	680	68	2 600	3 400	6.55	* 23028 CC/W33	* 23028 CCK/W33
	210	69		8.268	2.717	570	900	88	2 000	2 800	8.55	* 24028 CC/W33	* 24028 CCK30/W33
	225	68		8.858	2.677	630	900	88	2 200	2 800	10.5	* 23128 CC/W33	* 23128 CCK/W33
	225	85		8.858	3.346	765	1 160	112	1 700	2 400	13.5	* 24128 CC/W33	* 24128 CCK30/W33
	250	68	5.512	9.843	2.677	710	900	86.5	2 400	3 200	14	* 22228 CC/W33	* 22228 CCK/W33
	250	88		9.843	3.465	915	1 250	120	1 700	2 400	19	* 23228 CC/W33	* 23228 CCK/W33
	300	102		11.811	4.016	1 290	1 560	132	1 700	2 200	36.5	* 22328 CC/W33	* 22328 CCK/W33



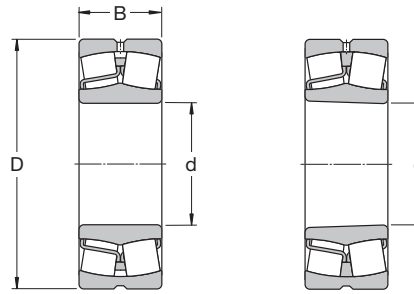
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer-ence speed	Limiting speed	kg	Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min			—	
150	225	56	5.906	8.858	2.205	510	750	73.5	2 400	3 200	7.95	* 23030 CC/W33	* 23030 CCK/W33
	225	75		8.858	2.953	655	1 040	100	1 800	2 600	10.5	* 24030 CC/W33	* 24030 CCK30/W33
	250	80		9.843	3.150	830	1 200	114	2 000	2 600	16	* 23130 CC/W33	* 23130 CCK/W33
	250	100		9.843	3.937	1 020	1 530	146	1 500	2 200	20	* 24130 CC/W33	* 24130 CCK30/W33
	270	73		10.630	2.874	850	1 080	102	2 200	3 000	18	* 22230 CC/W33	* 22230 CCK/W33
	270	96		10.630	3.780	1 080	1 460	137	1 600	2 200	24.5	* 23230 CC/W33	* 23230 CCK/W33
	320	108		12.598	4.252	1 460	1 760	146	1 600	2 000	43.5	* 22330 CC/W33	* 22330 CCK/W33
	240	60	6.299	9.449	2.362	585	880	83	2 400	3 000	9.7	* 23032 CC/W33	* 23032 CCK/W33
	240	80		9.449	3.150	750	1 200	114	1 700	2 400	13	* 24032 CC/W33	* 24032 CCK30/W33
	270	86		10.630	3.386	980	1 370	129	1 900	2 400	20.5	* 23132 CC/W33	* 23132 CCK/W33
	270	109		10.630	4.291	1 180	1 760	163	1 400	1 900	25	* 24132 CC/W33	* 24132 CCK30/W33
	290	80		11.417	3.150	1 000	1 290	118	2 000	2 800	22.5	* 22232 CC/W33	* 22232 CCK/W33
160	290	104		11.417	4.094	1 220	1 660	153	1 500	2 200	31	* 23232 CC/W33	* 23232 CCK/W33
	340	114		13.386	4.488	1 600	1 960	160	1 500	1 900	52	* 22332 CC/W33	* 22332 CCK/W33
	260	67	6.693	10.236	2.638	710	1 060	100	2 200	2 800	13	* 23034 CC/W33	* 23034 CCK/W33
	260	90		10.236	3.543	930	1 460	137	1 600	2 400	17.5	* 24034 CC/W33	* 24034 CCK30/W33
	280	88		11.024	3.465	1 040	1 500	137	1 800	2 400	22	* 23134 CC/W33	* 23134 CCK/W33
	280	109		11.024	4.291	1 220	1 860	170	1 300	1 900	27.5	* 24134 CC/W33	* 24134 CCK30/W33
	310	86		12.205	3.386	1 120	1 460	132	1 900	2 600	28.5	* 22234 CC/W33	* 22234 CCK/W33
	310	110		12.205	4.331	1 400	1 930	173	1 400	2 000	37.5	* 23234 CC/W33	* 23234 CCK/W33
	360	120		14.173	4.724	1 760	2 160	176	1 400	1 800	61	* 22334 CC/W33	* 22334 CCK/W33
	250	52	7.087	9.843	2.047	431	830	76.5	2 200	2 800	7.9	23936 CC/W33	23936 CCK/W33
	280	74		11.024	2.913	830	1 250	114	2 000	2 600	17	* 23036 CC/W33	* 23036 CCK/W33
	280	100		11.024	3.937	1 080	1 730	156	1 500	2 200	23	* 24036 CC/W33	* 24036 CCK30/W33
	300	96		11.811	3.780	1 200	1 760	160	1 700	2 200	28	* 23136 CC/W33	* 23136 CCK/W33
180	300	118		11.811	4.646	1 400	2 160	196	1 300	1 700	34.5	* 24136 CC/W33	* 24136 CCK30/W33
	320	86		12.598	3.386	1 180	1 560	140	1 800	2 600	29.5	* 22236 CC/W33	* 22236 CCK/W33
	320	112		12.598	4.409	1 500	2 120	186	1 300	1 900	39.5	* 23236 CC/W33	* 23236 CCK/W33
	380	126		14.961	4.961	2 000	2 450	193	1 300	1 700	71.5	* 22336 CC/W33	* 22336 CCK/W33
	260	52	7.480	10.236	2.047	414	800	76.5	2 200	2 600	8.3	23938 CC/W33	23938 CCK/W33
	290	75		11.417	2.953	865	1 340	122	1 900	2 400	18	* 23038 CC/W33	* 23038 CCK/W33
	290	100		11.417	3.937	1 120	1 800	163	1 400	2 000	24.5	* 24038 CC/W33	* 24038 CCK30/W33
	320	104		12.598	4.094	1 370	2 080	183	1 500	2 000	35	* 23138 CC/W33	* 23138 CCK/W33
	320	128		12.598	5.039	1 600	2 500	212	1 200	1 600	43	* 24138 CC/W33	* 24138 CCK30/W33
	340	92		13.386	3.622	1 270	1 700	150	1 700	2 400	36.5	* 22238 CC/W33	* 22238 CCK/W33
	340	120		13.386	4.724	1 660	2 400	208	1 300	1 800	48	* 23238 CC/W33	* 23238 CCK/W33
	400	132		15.748	5.197	2 120	2 650	208	1 200	1 600	82.5	* 22338 CC/W33	* 22338 CCK/W33
	280	60	7.874	11.024	2.362	546	1 040	93	2 000	2 400	11.5	23940 CC/W33	23940 CCK/W33
200	310	82		12.205	3.228	1 000	1 530	137	1 800	2 200	23.3	* 23040 CC/W33	* 23040 CCK/W33
	310	109		12.205	4.291	1 290	2 120	186	1 300	1 900	31	* 24040 CC/W33	* 24040 CCK30/W33
	340	112		13.386	4.409	1 600	2 360	204	1 500	1 900	43	* 23140 CC/W33	* 23140 CCK/W33
	340	140		13.386	5.512	1 800	2 800	232	1 100	1 500	53.5	* 24140 CC/W33	* 24140 CCK30/W33
	360	98		14.173	3.858	1 460	1 930	166	1 600	2 200	43.5	* 22240 CC/W33	* 22240 CCK/W33
	360	128		14.173	5.039	1 860	2 700	228	1 200	1 700	58	* 23240 CC/W33	* 23240 CCK/W33
	420	138		16.535	5.433	2 320	2 900	224	1 200	1 500	95	* 22340 CC/W33	* 22340 CCK/W33

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _U	Refer- ence speed	Limiting speed		Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min		kg	—	
220	300	60	8.661	11.811	2.362	546	1 080	93	1 900	2 200	12.5	23944 CC/W33	23944 CCK/W33
	340	90		13.386	3.543	1 220	1 860	163	1 600	2 000	30.5	* 23044 CC/W33	* 23044 CCK/W33
	340	118		13.386	4.646	1 560	2 600	212	1 200	1 700	40	* 24044 CC/W33	* 24044 CCK30/W33
	370	120		14.567	4.724	1 800	2 750	232	1 300	1 700	53.5	* 23144 CC/W33	* 23144 CCK/W33
	370	150		14.567	5.906	2 120	3 350	285	1 000	1 400	67	* 24144 CC/W33	* 24144 CCK30/W33
	400	108		15.748	4.252	1 760	2 360	196	1 500	2 000	60.5	* 22244 CC/W33	* 22244 CCK/W33
	400	144		15.748	5.669	2 360	3 450	285	1 100	1 500	81.5	* 23244 CC/W33	* 23244 CCK/W33
	460	145		18.110	5.709	2 700	3 450	260	1 000	1 400	120	* 22344 CC/W33	* 22344 CCK/W33
	320	60	9.449	12.598	2.362	564	1 160	98	1 700	2 000	13.5	23948 CC/W33	23948 CCK/W33
	360	92		14.173	3.622	1 290	2 080	176	1 500	1 900	33.5	* 23048 CC/W33	* 23048 CCK/W33
	360	118		14.173	4.646	1 600	2 700	228	1 100	1 600	43	* 24048 CC/W33	* 24048 CCK30/W33
	400	128		15.748	5.039	2 080	3 200	255	1 200	1 600	66.5	* 23148 CC/W33	* 23148 CCK/W33
	400	160		15.748	6.299	2 400	3 900	320	900	1 300	83	* 24148 CC/W33	* 24148 CCK30/W33
	440	120		17.323	4.724	2 200	3 000	245	1 300	1 800	83	* 22248 CC/W33	* 22248 CCK/W33
240	440	160		17.323	6.299	2 900	4 300	345	950	1 300	110	* 23248 CC/W33	* 23248 CCK/W33
	500	155		19.685	6.102	3 100	4 000	290	950	1 300	155	* 22348 CC/W33	* 22348 CCK/W33
	360	75	10.236	14.173	2.953	880	1 800	156	1 500	1 900	23.5	23952 CC/W33	23952 CCK/W33
	400	104		15.748	4.094	1 600	2 550	212	1 300	1 700	48.5	* 23052 CC/W33	* 23052 CCK/W33
	400	140		15.748	5.512	2 040	3 450	285	1 000	1 400	65.5	* 24052 CC/W33	* 24052 CCK30/W33
	440	144		17.323	5.669	2 550	3 900	290	1 100	1 400	90.5	* 23152 CC/W33	* 23152 CCK/W33
	440	180		17.323	7.087	3 000	4 800	380	850	1 200	110	* 24152 CC/W33	* 24152 CCK30/W33
	480	130		18.898	5.118	2 650	3 550	285	1 200	1 600	110	* 22252 CC/W33	* 22252 CCK/W33
	480	174		18.898	6.850	3 250	4 750	360	850	1 200	140	* 23252 CC/W33	* 23252 CCK/W33
	540	165		21.260	6.496	3 550	4 550	325	850	1 100	190	* 22352 CC/W33	* 22352 CCK/W33
	380	75	11.024	14.961	2.953	845	1 760	143	1 400	1 700	25	23956 CC/W33	23956 CCK/W33
	420	106		16.535	4.173	1 730	2 850	224	1 300	1 600	52.5	* 23056 CC/W33	* 23056 CCK/W33
	420	140		16.535	5.512	2 160	3 800	285	950	1 400	69.5	* 24056 CC/W33	* 24056 CCK30/W33
	460	146		18.110	5.748	2 650	4 250	335	1 000	1 300	97	* 23156 CC/W33	* 23156 CCK/W33
	460	180		18.110	7.087	3 100	5 100	415	800	1 100	120	* 24156 CC/W33	* 24156 CCK30/W33
	500	130		19.685	5.118	2 700	3 750	300	1 100	1 500	115	* 22256 CC/W33	* 22256 CCK/W33
280	500	176		19.685	6.929	3 250	4 900	365	800	1 100	150	* 23256 CC/W33	* 23256 CCK/W33
	580	175		22.835	6.890	4 000	5 200	365	800	1 100	235	* 22356 CC/W33	* 22356 CCK/W33
	380	60	11.811	14.961	2.362	656	1 600	137	1 400	1 700	16.5	23860 CAMA	23860 CAKMA
	420	90		16.535	3.543	1 200	2 500	200	1 300	1 600	39.5	23960 CC/W33	23960 CCK/W33
	460	118		18.110	4.646	2 120	3 450	265	1 200	1 500	71.5	* 23060 CC/W33	* 23060 CCK/W33
	460	160		18.110	6.299	2 700	4 750	355	850	1 200	97	* 24060 CC/W33	* 24060 CCK30/W33
	500	160		19.685	6.299	3 200	5 100	380	950	1 200	125	* 23160 CC/W33	* 23160 CCK/W33
	500	200		19.685	7.874	3 750	6 300	465	700	1 000	160	* 24160 CC/W33	* 24160 CCK30/W33
	540	140		21.260	5.512	3 150	4 250	325	1 000	1 400	145	* 22260 CC/W33	* 22260 CCK/W33
	540	192		21.260	7.559	3 900	5 850	425	750	1 000	190	* 23260 CC/W33	* 23260 CCK/W33



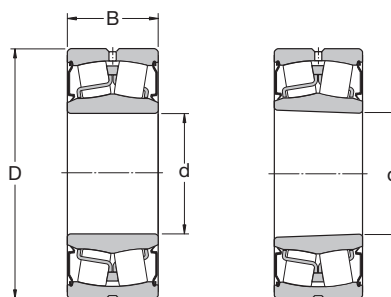
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer-ence speed	Limiting speed	kg	Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min			—	
320	440	90	12.598	17.323	3.543	1 430	2 700	212	1 400	1 500	42	* 23964 CC/W33	* 23964 CCK/W33
	480	121		18.898	4.764	2 240	3 800	285	1 100	1 400	78	* 23064 CC/W33	* 23064 CCK/W33
	480	160		18.898	6.299	2 850	5 100	400	800	1 200	100	* 24064 CC/W33	* 24064 CCK30/W33
	540	176		21.260	6.929	3 750	6 000	440	850	1 100	165	* 23164 CC/W33	* 23164 CCK/W33
	540	218		21.260	8.583	4 250	7 100	510	670	900	210	* 24164 CC/W33	* 24164 CCK30/W33
	580	150		22.835	5.906	3 600	4 900	375	950	1 300	175	* 22264 CC/W33	* 22264 CCK/W33
	580	208		22.835	8.189	4 400	6 700	480	700	950	240	* 23264 CC/W33	* 23264 CCK/W33
	460	90	13.386	18.110	3.543	1 460	2 800	216	1 300	1 400	45.5	* 23968 CC/W33	* 23968 CCK/W33
	520	133		20.472	5.236	2 700	4 550	335	1 000	1 300	105	* 23068 CC/W33	* 23068 CCK/W33
	520	180		20.472	7.087	3 450	6 200	475	750	1 100	140	* 24068 CC/W33	* 24068 CCK30/W33
	580	190		22.835	7.480	4 250	6 800	480	800	1 000	210	* 23168 CC/W33	* 23168 CCK/W33
	580	243		22.835	9.567	5 300	8 650	630	600	850	280	* 24168 ECCJ/W33	* 24168 ECCK30J/W33
	620	224		24.409	8.819	5 100	7 800	550	560	800	295	* 23268 CA/W33	* 23268 CAK/W33
360	480	90	14.173	18.898	3.543	1 400	2 750	220	1 200	1 300	43	* 23972 CC/W33	* 23972 CCK/W33
	540	134		21.260	5.276	2 750	4 800	345	950	1 200	110	* 23072 CC/W33	* 23072 CCK/W33
	540	180		21.260	7.087	3 550	6 550	490	700	1 000	145	* 24072 CC/W33	* 24072 CCK30/W33
	600	192		23.622	7.559	4 300	6 950	490	750	1 000	220	* 23172 CC/W33	* 23172 CCK/W33
	600	243		23.622	9.567	5 600	9 300	670	560	800	270	* 24172 ECCJ/W33	* 24172 ECCK30J/W33
	650	170		25.591	6.693	4 300	6 200	440	630	850	255	* 22272 CA/W33	* 22272 CAK/W33
	650	232		25.591	9.134	5 400	8 300	570	530	750	335	* 23272 CA/W33	* 23272 CAK/W33
	520	106	14.961	20.472	4.173	1 960	3 800	285	1 100	1 200	69	* 23976 CC/W33	* 23976 CCK/W33
	560	135		22.047	5.315	2 900	5 000	360	900	1 200	115	* 23076 CC/W33	* 23076 CCK/W33
	560	180		22.047	7.087	3 600	6 800	480	670	950	150	* 24076 CC/W33	* 24076 CCK30/W33
	620	194		24.409	7.638	4 400	7 100	500	560	1 000	230	* 23176 CA/W33	* 23176 CAK/W33
	620	243		24.409	9.567	5 700	9 800	710	480	850	300	* 24176 ECA/W33	* 24176 ECAK30/W33
	680	240		26.772	9.449	5 850	9 150	620	500	750	375	* 23276 CA/W33	* 23276 CAK/W33
400	540	106	15.748	21.260	4.173	2 000	3 900	290	1 100	1 200	71	* 23980 CC/W33	* 23980 CCK/W33
	600	148		23.622	5.827	3 250	5 700	400	850	1 100	150	* 23080 CC/W33	* 23080 CCK/W33
	600	200		23.622	7.874	4 300	8 000	560	630	900	205	* 24080 ECCJ/W33	* 24080 ECCK30J/W33
	650	200		25.591	7.874	4 650	7 650	530	530	950	265	* 23180 CA/W33	* 23180 CAK/W33
	650	250		25.591	9.843	6 200	10 600	735	430	800	340	* 24180 ECA/W33	* 24180 ECAK30/W33
	720	256		28.346	10.079	6 550	10 400	680	480	670	450	* 23280 CA/W33	* 23280 CAK/W33
	820	243		32.283	9.567	7 500	10 400	670	430	750	650	* 22380 CA/W33	* 22380 CAK/W33
	560	106	16.535	22.047	4.173	2 040	4 150	300	1 000	1 100	74.5	* 23984 CC/W33	* 23984 CCK/W33
	620	150		24.409	5.906	3 400	6 000	415	600	1 100	155	* 23084 CA/W33	* 23084 CAK/W33
	620	200		24.409	7.874	4 400	8 300	585	530	900	210	* 24084 ECA/W33	* 24084 ECAK30/W33
	700	224		27.559	8.819	5 600	9 300	620	480	900	350	* 23184 CJ/W33	* 23184 CKJ/W33
	700	280		27.559	11.024	7 350	12 600	850	400	700	445	* 24184 ECA/W33	* 24184 ECAK30/W33
	760	272		29.921	10.709	7 350	11 600	765	450	630	535	* 23284 CA/W33	* 23284 CAK/W33

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _U	Refer- ence speed	Limiting speed		Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min		kg	—	
440	600	118	17.323	23.622	4.646	2 450	4 900	345	950	1 000	99.5	* 23988 CC/W33	* 23988 CCK/W33
	650	157		25.591	6.181	3 650	6 550	450	560	1 000	180	* 23088 CA/W33	* 23088 CAK/W33
	650	212		25.591	8.346	4 800	9 150	630	500	850	245	* 24088 ECA/W33	* 24088 ECAK30/W33
	720	226		28.346	8.898	6 000	10 000	670	450	850	360	* 23188 CA/W33	* 23188 CAK/W33
	720	280		28.346	11.024	7 500	13 200	900	400	700	460	* 24188 ECA/W33	* 24188 ECAK30/W33
	790	280		31.102	11.024	7 800	12 500	800	430	600	590	* 23288 CA/W33	* 23288 CAK/W33
460	580	118	18.110	22.835	4.646	1 790	4 900	345	560	1 100	75.5	24892 CAMA/W20	24892 CAK30MA/W20
	620	118		24.409	4.646	2 500	5 000	355	600	1 000	105	* 23992 CA/W33	* 23992 CAK/W33
	680	163		26.772	6.417	3 900	6 950	465	560	950	205	* 23092 CA/W33	* 23092 CAK/W33
	680	218		26.772	8.583	5 200	10 000	670	480	800	275	* 24092 ECA/W33	* 24092 ECAK30/W33
	760	240		29.921	9.449	6 400	10 800	680	430	800	440	* 23192 CA/W33	* 23192 CAK/W33
	760	300		29.921	11.811	8 300	14 600	1 000	360	670	560	* 24192 ECA/W33	* 24192 ECAK30/W33
	830	296		32.677	11.654	8 500	13 700	880	400	560	695	* 23292 CA/W33	* 23292 CAK/W33
480	600	90	18.898	23.622	3.543	1 440	3 750	280	530	1 100	61	23896 CAMA/W20	23896 CAKMA/W20
	650	128		25.591	5.039	2 900	5 700	405	560	1 000	125	* 23996 CA/W33	* 23996 CAK/W33
	700	165		27.559	6.496	3 900	6 800	450	530	950	215	* 23096 CA/W33	* 23096 CAK/W33
	700	218		27.559	8.583	5 300	10 400	695	450	750	285	* 24096 ECA/W33	* 24096 ECAK30/W33
	790	248		31.102	9.764	6 950	12 000	780	400	750	485	* 23196 CA/W33	* 23196 CAK/W33
	790	308		31.102	12.126	9 000	15 600	1 040	340	630	605	* 24196 ECA/W33	* 24196 ECAK30/W33
	870	310		34.252	12.205	9 300	15 000	950	380	530	800	* 23296 CA/W33	* 23296 CAK/W33
500	620	90	19.685	24.409	3.543	1 480	4 000	290	530	1 000	62	238/500 CAMA/W20	238/500 CAKMA/W20
	670	128		26.378	5.039	2 900	6 000	415	530	950	130	* 239/500 CA/W33	* 239/500 CAK/W33
	720	167		28.346	6.575	4 150	7 800	510	500	900	225	* 230/500 CA/W33	* 230/500 CAK/W33
	720	218		28.346	8.583	5 500	11 000	735	430	700	295	* 240/500 ECA/W33	* 240/500 ECAK30/W33
	830	264		32.677	10.394	7 650	12 900	830	380	700	580	* 231/500 CA/W33	* 231/500 CAK/W33
	830	325		32.677	12.795	9 800	17 000	1 120	320	600	700	* 241/500 ECA/W33	* 241/500 ECAK30/W33
	920	336		36.220	13.228	10 600	17 300	1 060	360	500	985	* 232/500 CA/W33	* 232/500 CAK/W33
530	650	118	20.866	25.591	4.646	1 840	5 300	380	480	950	86	248/530 CAMA/W20	248/530 CAK30MA/W20
	710	136		27.953	5.354	3 200	6 700	480	500	900	155	* 239/530 CA/W33	* 239/530 CAK/W33
	780	185		30.709	7.283	5 100	9 300	630	450	800	310	* 230/530 CA/W33	* 230/530 CAK/W33
	780	250		30.709	9.843	6 700	13 200	830	400	670	410	* 240/530 ECA/W33	* 240/530 ECAK30/W33
	870	272		34.252	10.709	8 150	14 000	915	360	670	645	* 231/530 CA/W33	* 231/530 CAK/W33
	870	335		34.252	13.189	10 600	19 000	1 220	300	560	830	* 241/530 ECA/W33	* 241/530 ECAK30/W33
	980	355		38.583	13.976	11 100	20 400	1 220	300	480	1 200	232/530 CA/W33	232/530 CAK/W33
560	750	140	22.047	29.528	5.512	3 450	7 200	510	450	850	175	* 239/560 CA/W33	* 239/560 CAK/W33
	820	195		32.283	7.677	5 600	10 200	680	430	750	355	* 230/560 CA/W33	* 230/560 CAK/W33
	820	258		32.283	10.157	7 350	14 600	960	380	630	465	* 240/560 ECA/W33	* 240/560 ECAK30/W33
	920	280		36.220	11.024	9 150	16 000	980	340	630	740	* 231/560 CA/W33	* 231/560 CAK/W33
	920	355		36.220	13.976	12 000	21 600	1 340	280	500	985	* 241/560 ECJ/W33	* 241/560 ECK30J/W33
	1030	365		40.551	14.370	11 500	22 000	1 400	280	430	1 350	232/560 CA/W33	232/560 CAK/W33



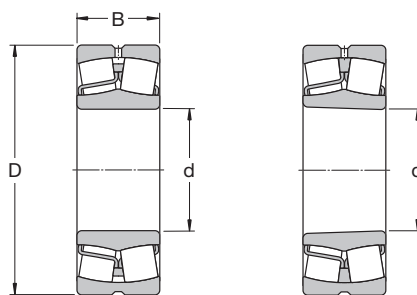
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	kg	Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min			—	
600	800	150	23.622	31.496	5.906	3 900	8 300	585	430	750	220	* 239/600 CA/W33	* 239/600 CAK/W33
	870	200		34.252	7.874	6 000	11 400	750	400	700	405	* 230/600 CA/W33	* 230/600 CAK/W33
	870	272		34.252	10.709	8 150	17 000	1 100	340	560	520	* 240/600 ECA/W33	* 240/600 ECAK30/W33
	980	300		38.583	11.811	10 200	18 000	1 100	320	560	895	* 231/600 CA/W33	* 231/600 CAK/W33
	980	375		38.583	14.764	11 500	23 600	1 460	240	480	1 200	241/600 ECA/W33	241/600 ECAK30/W33
	1090	388		42.913	15.276	13 100	25 500	1 560	260	400	1 600	232/600 CA/W33	232/600 CAK/W33
	780	112	24.803	30.709	4.409	2 190	6 100	415	400	750	120	238/630 CAMA/W20	238/630 CAKMA/W20
	850	165		33.465	6.496	4 650	9 800	640	400	700	280	* 239/630 CA/W33	* 239/630 CAK/W33
	920	212		36.220	8.346	6 700	12 500	800	380	670	485	* 230/630 CA/W33	* 230/630 CAK/W33
	920	290		36.220	11.417	8 800	18 000	1 140	320	530	645	* 240/630 ECJ/W33	* 240/630 ECK30J/W33
630	1030	315		40.551	12.402	10 500	20 800	1 220	260	530	1 050	231/630 CA/W33	231/630 CAK/W33
	1030	400		40.551	15.748	12 700	27 000	1 630	220	450	1 400	241/630 ECA/W33	241/630 ECAK30/W33
	820	112	26.378	32.283	4.409	2 250	6 400	440	360	700	130	238/670 CAMA/W20	238/670 CAKMA/W20
	820	150		32.283	5.906	3 110	9 500	655	360	700	172	248/670 CAMA/W20	—
	900	170		35.433	6.693	5 000	10 800	695	360	670	315	* 239/670 CA/W33	* 239/670 CAK/W33
	980	230		38.583	9.055	7 650	14 600	915	340	600	600	* 230/670 CA/W33	* 230/670 CAK/W33
	980	308		38.583	12.126	10 000	20 400	1 320	300	500	790	* 240/670 ECA/W33	* 240/670 ECAK30/W33
	1090	336		42.913	13.228	10 900	22 400	1 370	240	500	1 250	231/670 CA/W33	231/670 CAK/W33
	1090	412		42.913	16.220	13 800	29 000	1 760	200	400	1 600	241/670 ECA/W33	241/670 ECAK30/W33
	1220	438		48.031	17.244	15 400	30 500	1 700	220	360	2 270	232/670 CA/W33	232/670 CAK/W33
710	870	118	27.953	34.252	4.646	2 580	7 500	500	340	670	153	238/710 CAMA/W20	—
	950	180		37.402	7.087	5 600	12 000	765	340	600	365	* 239/710 CA/W33	* 239/710 CAK/W33
	950	243		37.402	9.567	6 800	15 600	930	300	500	495	* 249/710 CA/W33	* 249/710 CAK30/W33
	1030	236		40.551	9.291	8 300	16 300	1 000	320	560	670	* 230/710 CA/W33	* 230/710 CAK/W33
	1030	315		40.551	12.402	9 370	22 800	1 370	260	450	895	240/710 ECA/W33	240/710 ECAK30/W33
	1150	345		45.276	13.583	12 200	26 000	1 530	240	450	1 450	231/710 CA/W33	231/710 CAK/W33
	1150	438		45.276	17.244	15 200	32 500	1 900	190	380	1 900	241/710 ECA/W33	241/710 ECAK30/W33
	1280	450		50.394	17.717	17 600	34 500	2 000	200	320	2 610	232/710 CA/W33	232/710 CAK/W33
	920	128	29.528	36.220	5.039	2 930	8 500	550	320	600	135	238/750 CAMA/W20	238/750 CAKMA/W20
	1000	185		39.370	7.283	6 000	13 200	815	320	560	420	* 239/750 CA/W33	* 239/750 CAK/W33
750	1000	250		39.370	9.843	7 650	18 000	1 100	280	480	560	* 249/750 CA/W33	* 249/750 CAK30/W33
	1090	250		42.913	9.843	9 650	18 600	1 100	300	530	795	* 230/750 CA/W33	* 230/750 CAK/W33
	1090	335		42.913	13.189	10 100	25 000	1 460	240	430	1 065	240/750 ECA/W33	240/750 ECAK30/W33
	1220	365		48.031	14.370	13 800	29 000	1 660	220	430	1 700	231/750 CA/W33	231/750 CAK/W33
	1220	475		48.031	18.701	17 300	37 500	2 160	180	360	2 100	241/750 ECA/W33	241/750 ECAK30/W33
	1360	475		53.543	18.701	18 700	36 500	2 120	190	300	3 050	232/750 CAF/W33	232/750 CAFK/W33
	980	180	31.496	38.583	7.087	4 140	12 900	830	300	560	300	248/800 CAMA/W20	248/800 CAK30MA/W20
	1060	195		41.732	7.677	6 400	14 300	880	300	530	470	* 239/800 CA/W33	* 239/800 CAK/W33
	1060	258		41.732	10.157	8 000	19 300	1 060	260	430	640	* 249/800 CA/W33	* 249/800 CAK30/W33
	1150	258		45.276	10.157	10 000	20 000	1 160	280	480	895	* 230/800 CA/W33	* 230/800 CAK/W33
800	1150	345		45.276	13.583	11 100	28 500	1 730	220	400	1 200	240/800 ECA/W33	240/800 ECAK30/W33
	1280	375		50.394	14.764	14 800	31 500	1 800	200	400	1 920	231/800 CA/W33	231/800 CAK/W33
	1280	475		50.394	18.701	18 400	40 500	2 320	170	320	2 300	241/800 ECA/W33	241/800 ECAK30/W33

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _U	Reference speed	Limiting speed	kg	Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min			—	
850	1030	136	33.465	40.551	5.354	3 340	10 000	640	260	530	240	238/850 CAMA/W20	238/850 CAKMA/W20
	1120	200		44.094	7.874	5 980	15 600	930	260	480	560	239/850 CA/W33	239/850 CAK/W33
	1120	272		44.094	10.709	8 170	22 800	1 370	220	400	740	249/850 CA/W33	249/850 CAK30/W33
	1220	272		48.031	10.709	9 370	21 600	1 270	240	450	1 050	230/850 CA/W33	230/850 CAK/W33
	1220	365		48.031	14.370	12 700	31 500	1 900	200	360	1 410	240/850 ECA/W33	240/850 ECAK30/W33
	1360	400		53.543	15.748	16 100	34 500	2 000	180	360	2 200	231/850 CA/W33	231/850 CAK/W33
	1360	500		53.543	19.685	20 200	45 000	2 550	150	300	2 710	241/850 ECAF/W33	241/850 ECAK30F/W33
900	1090	190	35.433	42.913	7.480	4 660	15 300	950	240	480	370	248/900 CAMA/W20	248/900 CAK30MA/W20
	1180	206		46.457	8.110	6 440	17 000	1 020	240	450	605	239/900 CA/W33	239/900 CAK/W33
	1280	280		50.394	11.024	10 100	23 200	1 340	220	400	1 200	230/900 CA/W33	230/900 CAK/W33
	1280	375		50.394	14.764	13 600	34 500	2 040	190	340	1 570	240/900 ECA/W33	240/900 ECAK30/W33
	1420	515		55.905	20.276	21 400	49 000	2 700	140	280	3 350	241/900 ECAF/W33	241/900 ECAK30F/W33
950	1250	224	37.402	49.213	8.819	7 250	19 600	1 120	220	430	755	239/950 CA/W33	239/950 CAK/W33
	1250	300		49.213	11.811	9 200	26 000	1 500	180	340	1 015	249/950 CA/W33	249/950 CAK30/W33
	1360	300		53.543	11.811	12 000	28 500	1 600	200	380	1 450	230/950 CA/W33	230/950 CAK/W33
	1360	412		53.543	16.220	14 800	39 000	2 320	170	300	1 990	240/950 CAF/W33	240/950 CAK30F/W33
	1500	545		59.055	21.457	23 900	55 000	3 000	130	260	3 535	241/950 ECAF/W33	241/950 ECAK30F/W33
1000	1220	165	39.370	48.031	6.496	4 660	14 300	865	220	400	410	238/1000 CAMA/W20	238/1000 CAKMA/W20
	1320	315		51.968	12.402	10 400	29 000	1 500	170	320	1 200	249/1000 CA/W33	249/1000 CAK30/W33
	1420	308		55.905	12.126	12 700	30 500	1 700	180	360	1 600	230/1000 CAF/W33	230/1000 CAKF/W33
	1420	412		55.905	16.220	15 400	40 500	2 240	160	280	2 140	240/1000 CAF/W33	240/1000 CAK30F/W33
	1580	462		62.205	18.189	21 400	48 000	2 550	140	280	3 500	231/1000 CAF/W33	231/1000 CAKF/W33
	1580	580		62.205	22.835	26 700	62 000	3 350	120	240	4 300	241/1000 ECAF/W33	241/1000 ECAK30F/W33
1060	1280	165	41.732	50.394	6.496	4 770	15 000	800	200	380	435	238/1060 CAMA/W20	238/1060 CAKMA/W20
	1280	218		50.394	8.583	6 100	20 000	1 200	200	380	570	248/1060 CAMA/W20	248/1060 CAK30MA/W20
	1400	250		55.118	9.843	9 550	26 000	1 460	180	360	1 100	239/1060 CAF/W33	239/1060 CAKF/W33
	1400	335		55.118	13.189	11 500	32 500	1 860	160	280	1 400	249/1060 CAF/W33	249/1060 CAK30F/W33
	1500	325		59.055	12.795	13 800	34 000	1 830	170	320	2 250	230/1060 CAF/W33	230/1060 CAKF/W33
	1500	438		59.055	17.244	17 300	45 500	2 500	150	260	2 515	240/1060 CAF/W33	240/1060 CAK30F/W33
1120	1360	243	44.094	53.543	9.567	7 250	24 000	1 400	180	340	735	248/1120 CAFA/W20	248/1120 CAK30FA/W20
	1460	335		57.480	13.189	11 700	34 500	1 830	140	260	1 500	249/1120 CAF/W33	249/1120 CAK30F/W33
	1580	462		62.205	18.189	18 700	50 000	2 850	130	240	2 925	240/1120 CAF/W33	240/1120 CAK30F/W33
1180	1420	180	46.457	55.905	7.087	5 870	18 600	1 080	170	320	575	238/1180 CAFA/W20	238/1180 CAKFA/W20
	1420	243		55.905	9.567	7 710	27 000	1 560	170	320	770	248/1180 CAFA/W20	248/1180 CAK30FA/W20
	1540	272		60.630	10.709	11 100	31 000	1 660	150	300	1 400	239/1180 CAF/W33	239/1180 CAKF/W33
	1540	355		60.630	13.976	13 600	40 500	2 160	130	240	1 800	249/1180 CAF/W33	249/1180 CAK30F/W33
1250	1750	375	49.213	68.898	14.764	17 900	45 000	2 400	130	240	2 840	230/1250 CAF/W33	230/1250 CAKF/W33
1320	1600	280	51.968	62.992	11.024	9 780	33 500	1 860	140	260	1 160	248/1320 CAFA/W20	248/1320 CAK30FA/W20
	1720	400		67.716	15.748	16 100	49 000	2 550	110	200	2 500	249/1320 CAF/W33	249/1320 CAK30F/W33
1500	1820	315	59.055	71.653	12.402	12 700	45 000	2 400	110	200	1 710	248/1500 CAFA/W20	248/1500 CAK30FA/W20
1800	2180	375	70.866	85.827	14.764	17 600	63 000	3 050	75	130	2 900	248/1800 CAFA/W20	248/1800 CAK30FA/W20



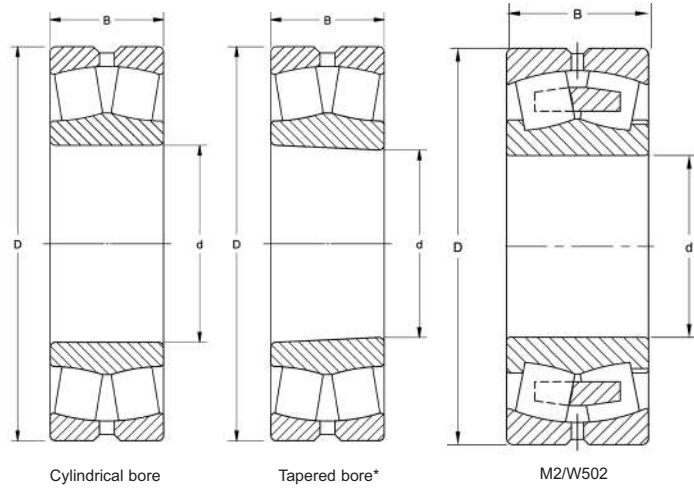
Principal dimensions						Basic load ratings		Fatigue load limit	Limiting speed	Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u			Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min	kg	—	
30	62	25	1.181	2.441	0.984	64	60	6.4	2 800	0.34	* BS2-2206-2CS	—
35	72	28	1.378	2.835	1.102	86.5	85	9.3	2 400	0.52	* BS2-2207-2CS	—
40	80	28	1.575	3.150	1.102	96.5	90	9.8	2 200	0.57	* BS2-2208-2CS	* BS2-2208-2CSK
45	85	28	1.772	3.346	1.102	102	98	10.8	2 000	0.66	* BS2-2209-2CS	* BS2-2209-2CSK
50	90	28	1.969	3.543	1.102	104	108	11.8	1 900	0.70	* BS2-2210-2CS	* BS2-2210-2CSK
55	100	31	2.165	3.937	1.220	125	127	13.7	1 700	1.00	* BS2-2211-2CS	* BS2-2211-2CSK
60	110	34	2.362	4.331	1.339	156	166	18.6	1 600	1.30	* BS2-2212-2CS	* BS2-2212-2CSK
65	100	35	2.559	3.937	1.378	132	173	20.4	1 000	0.95	* 24013-2CS5/VT143	—
	120	38		4.724	1.496	193	216	24	1 500	1.60	* BS2-2213-2CS	* BS2-2213-2CSK
70	125	38	2.756	4.921	1.496	208	228	25.5	1 400	1.80	* BS2-2214-2CS	* BS2-2214-2CSK
75	115	40	2.953	4.528	1.575	173	232	28.5	950	1.55	* 24015-2CS2/VT143	—
	130	38		5.118	1.496	212	240	26.5	1 300	2.10	* BS2-2215-2CS	* BS2-2215-2CSK
80	140	40	3.150	5.512	1.575	236	270	29	1 200	2.40	* BS2-2216-2CS	* BS2-2216-2CSK
85	150	44	3.346	5.906	1.732	285	325	34.5	1 100	3.00	* BS2-2217-2CS	* BS2-2217-2CSK
90	160	48	3.543	6.299	1.890	325	375	39	1 000	3.70	* BS2-2218-2CS	* BS2-2218-2CSK
100	150	50	3.937	5.906	1.969	285	415	45.5	800	3.15	* 24020-2CS2/VT143	—
	165	52		6.496	2.047	365	490	53	850	4.55	* 23120-2CS2/VT143	—
	180	55		7.087	2.165	425	490	49	900	5.50	* BS2-2220-2CS	—
	180	60.3		7.087	2.374	475	600	63	700	6.85	* 23220-2CS	—
110	170	45	4.331	6.693	1.772	310	440	46.5	900	3.80	* 23022-2CS	—
	180	56		7.087	2.205	430	585	61	800	5.75	* 23122-2CS2/VT143	—
	180	69		7.087	2.717	520	750	78	630	7.10	* 24122-2CS2/VT143	—
	200	63		7.874	2.480	560	640	63	800	7.60	* BS2-2222-2CS5/VT143	—
120	180	46	4.724	7.087	1.811	355	510	52	850	4.20	* 23024-2CS2/VT143	
	180	60		7.087	2.362	430	670	68	670	5.45	* 24024-2CS2/VT143	
	200	80		7.874	3.150	655	950	95	560	10.5	* 24124-2CS2/VT143	
	215	69		8.465	2.717	630	765	73.5	750	9.75	* BS2-2224-2CS	
130	200	52	5.118	7.874	2.047	430	610	62	800	6.00	* 23026-2CS2/VT143	
	200	69		7.874	2.717	540	815	81.5	600	8.05	* 24026-2CS2/VT143	
	210	80		8.268	3.150	680	1 000	100	530	11.0	* 24126-2CS2/VT143	
140	210	69	5.512	8.268	2.717	570	900	88	560	8.55	* 24028-2CS2/VT143	
	225	85		8.858	3.346	765	1 160	112	450	13.5	* 24128-2CS2/VT143	

Principal dimensions						Basic load ratings		Fatigue load limit	Limiting speed	Mass	Designations
d	D	B	d	D	B	dynamic C	static C ₀	P _u			Bearing with cylindrical bore
mm			in			kN		kN	r/min	kg	—
150	225	75	5.906	8.858	2.953	655	1 040	100	530	10.5	* 24030-2CS2/VT143
	250	100		9.843	3.937	1 020	1 530	146	400	20.0	* 24130-2CS2/VT143
160	240	80	6.299	9.449	3.150	750	1 200	114	450	13.0	* 24032-2CS2/VT143
	270	86		10.630	3.386	980	1 370	129	530	20.5	* 23132-2CS2/VT143
170	260	90	6.693	10.236	3.543	930	1 460	137	400	17.5	* 24034-2CS2/VT143
	280	109		11.024	4.291	1 220	1 860	170	360	27.5	* 24134-2CS2/VT143
180	280	100	7.087	11.024	3.937	1 080	1 730	156	380	23.0	* 24036-2CS2/VT143
190	320	128	7.480	12.598	5.039	1 600	2 500	212	340	43.0	* 24138-2CS2/VT143
200	340	140	7.874	13.386	5.512	1 800	2 800	232	320	53.5	* 24140-2CS
	360	128		14.173	5.039	1 860	2 700	228	430	58.0	* 23240-2CS2/VT143
220	300	60	8.661	11.811	2.362	546	1 080	93	600	12.5	23944-2CS



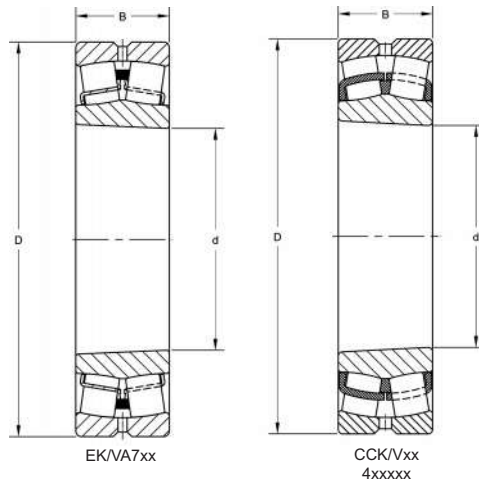
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer-ence speed	Limiting speed		Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min		kg	—	
40	90	33	1.575	3.543	1.299	150	140	15	6 000	8 000	1.1	*22308 E/VA405	—
45	100	36	1.772	3.937	1.417	183	183	19.6	5 300	7 000	1.4	*22309 E/VA405	—
50	110	40	1.969	4.331	1.575	220	224	24	4 800	6 300	1.9	*22310 E/VA405	—
55	120	43	2.165	4.724	1.693	270	280	30	4 300	5 600	2.45	*22311 E/VA405	*22311 EK/VA405
60	130	46	2.362	5.118	1.811	310	335	36.5	4 000	5 300	3.1	*22312 E/VA405	*22312 EK/VA405
65	140	48	2.559	5.512	1.890	340	360	38	3 800	5 000	3.75	*22313 E/VA405	*22313 EK/VA405
70	150	51	2.756	5.906	2.008	400	430	45	3 400	4 500	4.55	*22314 E/VA405	*22314 EK/VA405
75	160	55	2.953	6.299	2.165	440	475	48	3 200	4 300	5.55	*22315 EJA/VA405	*22315 EKJA/VA405
80	170	58	3.150	6.693	2.283	490	540	54	3 000	4 000	6.6	*22316 EJA/VA405	*22316 EKJA/VA405
85	180	60	3.346	7.087	2.362	550	620	61	2 800	3 800	7.65	*22317 EJA/VA405	*22317 EKJA/VA405
	180	60		7.087	2.362	550	620	61	2 800	3 800	7.65	*22317 EJA/VA406	—
90	190	64	3.543	7.480	2.520	610	695	67	2 600	3 600	9.05	*22318 EJA/VA405	*22318 EKJA/VA405
95	200	67	3.740	7.874	2.638	670	765	73.5	2 600	3 400	10.5	*22319 EJA/VA405	*22319 EKJA/VA405
100	215	73	3.937	8.465	2.874	815	950	88	2 400	3 000	13.5	*22320 EJA/VA405	*22320 EKJA/VA405
	215	73		8.465	2.874	815	950	88	2 400	3 000	13.5	*22320 EJA/VA406	—
110	240	80	4.331	9.449	3.150	950	1 120	100	2 000	2 800	18.4	*22322 EJA/VA405	*22322 EKJA/VA405
	240	80		9.449	3.150	950	1 120	100	2 000	2 800	18.4	*22322 EJA/VA406	—
120	260	86	4.724	10.236	3.386	965	1 120	100	2 000	2 600	23	*22324 CCJA/W33VA405	*22324 CCKJA/W33VA405
	260	86		10.236	3.386	965	1 120	100	2 000	2 600	23	*22324 CCJA/W33VA406	—
130	280	93	5.118	11.024	3.661	1 120	1 320	114	1 800	2 400	29	*22326 CCJA/W33VA405	*22326 CCKJA/W33VA405
	280	93		11.024	3.661	1 120	1 320	114	1 800	2 400	29	*22326 CCJA/W33VA406	—
140	300	102	5.512	11.811	4.016	1 290	1 560	132	1 700	2 200	36.5	*22328 CCJA/W33VA405	*22328 CCKJA/W33VA405
	300	102		11.811	4.016	1 290	1 560	132	1 700	2 200	36.5	*22328 CCJA/W33VA406	—
150	320	108	5.906	12.598	4.252	1 460	1 760	146	1 600	2 000	43.5	*22330 CCJA/W33VA405	*22330 CCKJA/W33VA405
	320	108		12.598	4.252	1 460	1 760	146	1 600	2 000	43.5	*22330 CCJA/W33VA406	—
160	340	114	6.299	13.386	4.488	1 600	1 960	160	1 500	1 900	52	*22332 CCJA/W33VA405	*22332 CCKJA/W33VA405
	340	114		13.386	4.488	1 600	1 960	160	1 500	1 900	52	*22332 CCJA/W33VA406	—
170	360	120	6.693	14.173	4.724	1 760	2 160	176	1 400	1 800	61	*22334 CCJA/W33VA405	*22334 CCKJA/W33VA405
	360	120		14.173	4.724	1 760	2 160	176	1 400	1 800	61	*22334 CCJA/W33VA406	—

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed		Bearing with cylindrical bore	tapered bore
mm			in			kN		kN	r/min		kg	—	
180	380	126	7.087	14.961	4.961	2 000	2 450	193	1 300	1 700	71.5	*22336 CCJA/W33VA405	*22336 CCKJA/W33VA405
	380	126		14.961	4.961	2 000	2 450	193	1 300	1 700	71.5	*22336 CCJA/W33VA406	—
190	400	132	7.480	15.748	5.197	2 120	2 650	208	1 200	1 600	82.5	*22338 CCJA/W33VA405	*22338 CCKJA/W33VA405
	400	132		15.748	5.197	2 120	2 650	208	1 200	1 600	82.5	*22338 CCJA/W33VA406	—
200	420	138	7.874	16.535	5.433	2 320	2 900	224	1 200	1 500	95	*22340 CCJA/W33VA405	*22340 CCKJA/W33VA405
	420	138		16.535	5.433	2 320	2 900	224	1 200	1 500	95	*22340 CCJA/W33VA406	—
220	460	145	8.661	18.110	5.709	2 700	3 450	260	1 000	1 400	120	*22344 CCJA/W33VA405	*22344 CCKJA/W33VA405
240	500	155	9.449	19.685	6.102	3 100	4 000	290	950	1 300	155	*22348 CCJA/W33VA405	*22348 CCKJA/W33VA405



Designation	Principal Dimensions						Basic Load Ratings				Speed Rating		Mass		Calculation Factors		
	Bore		Outside Diameter		Width		Dynamic		Static		Lubrication		kg	lb	e	Y ₁	Y ₂
	d		D		B		C		C ₀		Grease	Oil					
	mm	in	mm	in	mm	in	kN	lbf	kN	lbf	r/min	r/min			-	-	-
452308 M2/W502	40	1.5748	90	3.5433	33	1.2992	107	24 000	112	25 200	4 500	5 600	1.00	2.20	0.37	1.8	2.7
452309 M2/W502	45	1.7717	100	3.9370	36	1.4173	133	29 900	150	33 700	3 800	4 800	1.35	3.00	0.37	1.8	2.7
452310 M2/W502	50	1.9685	110	4.3307	40	1.5748	168	37 800	186	41 800	3 400	4 300	1.85	4.10	0.37	1.8	2.7
452311 M2/W502	55	2.1654	120	4.7244	43	1.6929	199	44 700	232	52 100	3 200	4 000	2.35	5.20	0.35	1.9	2.9
452312 M2/W502	60	2.3622	130	5.1181	46	1.8110	235	52 800	280	62 900	2 800	3 000	2.95	6.50	0.35	1.9	2.9
452313 M2/W502	65	2.5591	140	5.5118	48	1.8898	258	58 000	305	68 500	2 600	3 400	3.55	7.85	0.35	1.9	2.9
452314 M2/W502	70	2.7559	150	5.9055	51	2.0079	299	67 200	360	80 900	2 400	3 200	4.30	9.50	0.35	1.9	2.9
452315 M2/W502	75	2.9528	160	6.2992	55	2.1645	328	73 700	405	91 000	2 200	3 000	5.20	11.5	0.35	1.9	2.9
452316 M2/W502	80	3.1496	170	6.6929	58	2.2835	374	84 000	465	105 000	2 000	2 800	6.10	13.50	0.35	1.9	2.9
452317 M2/W502	85	3.3465	180	7.0866	60	2.3622	408	91 700	490	110 000	1 900	2 600	7.25	16.00	0.33	2.0	3.0
452318 M2/W502	90	3.5433	190	7.4803	64	2.5197	460	103 000	570	128 000	1 800	2 400	8.60	19.00	0.35	1.9	2.9
452319 M2/W502	95	3.7402	200	7.8740	67	2.6378	518	116 000	670	151 000	1 800	2 400	10.00	22.00	0.35	1.9	2.9
452320 M2/W502	100	3.9370	215	8.4646	73	2.8740	610	137 000	800	180 000	1 700	2 200	13.00	28.50	0.35	1.9	2.9
452322 M2/W502	110	4.3307	240	9.4488	80	3.1496	725	163 000	965	217 000	1 600	2 000	18.00	40.00	0.35	1.9	2.9
452324 M2/W502	120	4.7244	260	10.2362	86	3.3858	845	190 000	1 140	256 000	1 400	1 800	22.00	48.50	0.35	1.9	2.9
452326 M2/W502	130	5.1181	280	11.0236	93	3.6614	978	220 000	1 320	297 000	1 300	1 700	28.50	63.00	0.35	1.9	2.9
452328 M2/W502	140	5.5118	300	11.8110	102	4.0157	1 130	254 000	1 560	351 000	1 100	1 500	34.50	76.00	0.35	1.9	2.9
452330 M2/W502	150	5.9055	320	12.5984	108	4.2520	1 290	290 000	1 800	404 000	1 000	1 400	41.50	91.50	0.35	1.9	2.9
452332 M2/W502	160	6.2292	340	13.3858	114	4.4882	1 400	315 000	1 960	440 000	950	1 300	50.00	110.00	0.35	1.9	2.9
452336 M2/W502	180	7.0866	380	14.9606	126	4.9606	1 640	369 000	2 400	540 000	900	1 200	68.00	150.00	0.35	1.9	2.9
452338 M2/W502	190	7.4803	400	15.7480	132	5.1968	1 870	421 000	1 560	351 000	850	1 100	79.50	175.00	0.35	1.9	2.9
452340 M2/W502	200	7.8740	420	16.5354	138	5.4331	2 020	454 000	2 900	652 000	850	1 100	93.00	205.00	0.33	2.0	3.0

* tapered (K) bore available on limited sizes.



Please contact SKF Application Engineering for tapered journal (X drawings) details.

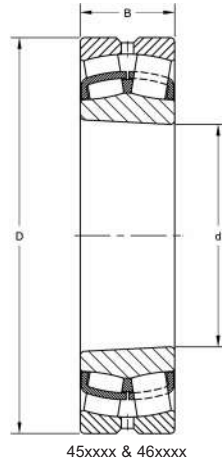
Designation		Principal Dimensions						Basic Load Ratings				Mass		Calculation Factors		
Current	Basic/ Replaced Design	Bore		Outside Diameter		Width		Dynamic		Static		kg	lb	e	Y ₁	Y ₂
		d		D		B		C		C ₀						
		mm	in	mm	in	mm	in	N	lbf	N	lbf			-	-	-
22209 CCK/VA759	22209 CCK/W33	45.000	1.7717	85	3.3465	23.0	0.9055	138 000	31 000	160 000	31 100	1.35	3.00	0.26	2.6	3.9
22211 EK/VA751	22211 VAE	55.000	2.1654	100	3.9370	25.0	0.9843	99 500	22 400	118 000	26 500	0.82	1.80	0.24	2.8	4.2
22212 EK/VA751	22212 VAD	60.000	2.3622	110	4.3307	28.0	1.1024	122 000	27 000	146 000	32 800	1.10	2.45	0.24	2.8	4.2
22212 EK/VA7582†	22212 EK/VA751	60.000	2.3622	110	4.3307	28.0	1.1024	122 000	27 000	146 000	32 800	1.10	2.45	0.24	2.8	4.2
22220 VAE	22220 CCK/W33	100.000	3.9370	180	7.0866	46.0	1.8110	311 000	70 000	415 000	93 300	4.85	10.50	0.24	2.8	4.2
22220 VAM†	22220 VAE	100.000	3.9370	180	7.0866	46.0	1.8110	311 000	70 000	415 000	93 300	4.85	10.50	0.24	2.8	4.2
22230 VAB	22230 CCK/W33	150.000	5.9055	270	10.6299	73.0	2.8740	736 000	166 000	1 080 000	243 000	18.00	39.50	0.26	2.6	3.9
22309 EK/VA751	450918	45.000	1.7717	100	3.9370	36.0	1.4173	138 000	31 000	160 000	31 100	1.35	3.00	0.37	1.8	2.7
22310 EK/VA751	467964	50.000	1.9685	110	4.3307	40.0	1.5748	176 000	39 600	200 000	45 000	1.85	4.10	0.37	1.8	2.7
22311 EK/VA751	22311 VAE	55.000	2.1654	120	4.7244	43.0	1.6929	199 000	44 800	232 000	52 200	2.35	5.20	0.35	1.9	2.9
22312 EK/VA751	467000	60.000	2.3622	130	5.1181	46.0	1.8110	235 000	52 900	280 000	63 000	2.95	6.50	0.35	1.9	2.9
22312 EK/VA7582†	22312 EK/VA7583††	60.000	2.3622	130	5.1181	46.0	1.8110	235 000	52 900	280 000	63 000	2.95	6.50	0.35	1.9	2.9
22312 EK/VA7583††	22312 EK/VA751	60.000	2.3622	130	5.1181	46.0	1.8110	235 000	52 900	280 000	63 000	2.95	6.50	0.35	1.9	2.9
22313 VAC	22313 CCK/W33	65.000	2.5591	140	5.5118	48.0	1.8898	253 000	56 900	300 000	67 400	3.55	7.85	0.35	1.9	2.9
22315 CCK/VA755	22315 CCK/W33	75.000	2.9528	160	6.2992	55.0	2.1654	345 000	77 600	430 000	96 700	5.25	11.50	0.35	1.9	2.9
22315 VAE††	466915	75.000	2.9528	160	6.2992	55.0	2.1654	345 000	77 600	430 000	96 700	5.25	11.50	0.35	1.9	2.9
22315 VAH†	22315 VAE††	75.000	2.9528	160	6.2992	55.0	2.1654	345 000	77 600	430 000	96 700	5.25	11.50	0.35	1.9	2.9
22319 VAC	22319 CCK/W33	95.000	3.7402	200	7.8740	67.0	2.6378	518 000	117 000	670 000	151 000	10.00	22.00	0.35	1.9	2.9
23122 VAF	23122 CCK/W33	110.000	4.3307	180	7.0866	56.0	2.2047	374 000	84 000	585 000	132 000	5.45	12.00	0.30	2.3	3.4
23124 VAA	23124 CCK/W33	120.000	4.7244	200	7.7840	62.0	2.4409	437 000	98 300	695 000	156 000	7.80	17.00	0.28	2.4	3.6
23130 VAA**	23130 CCK/W33	151.333	5.9579	250	9.8425	80.0	3.1496	725 000	163 000	1 200 000	270 000	16.00	35.50	0.30	2.3	3.4
23220 VAA	23220 CCK/W33	100.000	3.9370	180	7.0866	60.3	2.3470	414 000	93 200	600 000	135 000	6.70	15.00	0.33	2.0	3.0
ECB 23220 VAA	EVB 23220 VAA	100.000	3.9370	180	7.0866	60.3	2.3470	414 000	93 200	600 000	135 000	6.70	15.00	0.33	2.0	3.0
23222 CCK/VA756	23222 CCK/W33	110.000	4.3307	200	7.8740	69.8	2.7480	518 000	117 000	765 000	172 000	9.70	21.50	0.33	2.0	3.0
23226 VAD	23226 CCK/W33	130.000	5.1181	230	9.0551	80.0	3.1496	690 000	155 000	1 060 000	238 000	14.00	31.00	0.33	2.0	3.0

* special bore size

** controlled inner ring width

† coater roll bearing w/ .000050 runout max

†† coater roll bearing w/ .000075 runout max.

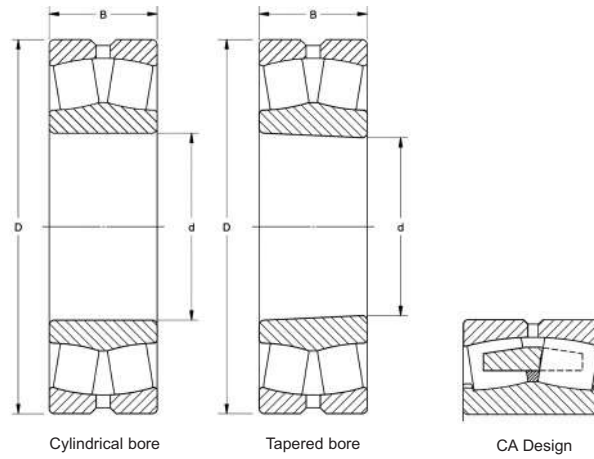


Please contact SKF Application Engineering for tapered journal (X drawings) details.

Designation		Principal Dimensions						Basic Load Ratings				Mass		Calculation Factors		
Current	Basic/ Replaced Design	Bore		Outside Diameter		Width		Dynamic		Static		kg	lb	e	Y ₁	Y ₂
		d		D		B		C		C ₀						
		mm	in	mm	in	mm	in	N	lbf	N	lbf			-	-	-
453538	22210 CCK/W33	50.000	1.9685	90	3.5433	23.0	.9055	84 500	19 000	100 000	22 500	0.60	1.30	0.24	2.8	4.2
454548	23126 CCK/W33	130.000	5.1181	210	8.2677	64.0	2.5197	489 000	110 000	780 000	175 000	8.55	19.00	0.28	2.4	3.6
458681	22217 CCK/W33	85.000	3.3465	150	5.9055	36.0	1.4173	210 000	47 200	270 000	60 700	2.55	5.60	0.22	3.0	4.6
465123	22216 CCK/W33	80.000	3.1496	140	5.5118	33.0	1.2992	176 000	39 600	228 000	51 300	2.05	4.50	0.22	3.0	4.6
466144	23122 CCK/W33	110.000	4.3307	180	7.0866	56.0	2.2047	374 000	84 000	585 000	132 000	5.45	12.00	0.30	2.3	3.4
466144 A**	23122 CCK/W33	110.000	4.3307	180	7.0866	56.0	2.2047	374 000	84 000	585 000	132 000	5.45	12.00	0.30	2.3	3.4
466619	22240 CCK/W33*	199.882	7.8694	360	14.1732	98.0	3.8583	1 270 000	286 000	1 930 000	434 000	43.50	96.00	0.26	2.6	3.9
466619 A**	22240 CCK/W33*	199.882	7.8694	360	14.1732	98.0	3.8583	1 270 000	286 000	1 930 000	434 000	43.50	96.00	0.26	2.6	3.9
466645	I 112605 CAC/W33	129.888	5.1137	225	8.8583	76.0	2.9921	633 000	142 000	1 010 000	227 000	13.00	28.50	0.31	2.2	3.3
466713	23230 CCK/W33	150.000	5.9055	270	10.6299	96.0	3.7795	937 000	211 000	1 460 000	328 000	24.00	53.00	0.35	1.9	2.9
466713 A**	23230 CCK/W33	150.000	5.9055	270	10.6299	96.0	3.7795	937 000	211 300	1 460 000	328 000	24.00	53.00	0.35	1.9	2.9
466815	23224 CCK/W33	120.000	4.7244	215	8.4646	76.0	2.9921	610 000	137 000	930 000	209 000	12.00	26.50	0.35	1.9	2.9
466816	23226 CCK/W33	130.000	5.1181	230	9.0551	80.0	3.1496	690 000	155 000	1 060 000	238 000	14.00	31.00	0.33	2.0	3.0
466817	23228 CCK/W33	140.000	5.5118	250	9.8425	88.0	3.4646	799 000	180 000	1 250 000	281 000	18.50	41.00	0.33	2.0	3.0
466817 A**	23228 CCK/W33	140.000	5.5118	250	9.8425	88.0	3.4646	799 000	180 000	1 250 000	281 000	18.50	41.00	0.33	2.0	3.0
466915	22315 CCK/W33	75.000	2.9528	160	6.2992	55.0	2.1654	345 000	77 600	430 000	96 700	5.25	11.50	0.35	1.9	2.9
467304	22314 CCK/W33	70.000	2.7559	150	5.9055	51.0	2.0079	311 000	70 000	380 000	85 400	4.30	9.50	0.35	1.9	2.9
467311	22316 CCK/W33	80.000	3.1496	170	6.6929	58.0	2.2835	374 000	84 200	455 000	102 000	6.20	13.50	0.35	1.9	2.9
467311 A**	22316 CCK/W33	80.000	3.1496	170	6.6929	58.0	2.2835	374 000	84 200	455 000	102 000	6.20	13.50	0.35	1.9	2.9
467315	22317 CCK/W33	85.000	3.3465	180	7.0866	60.0	2.3622	420 000	94 500	520 000	117 000	7.25	16.00	0.33	2.0	3.0
467315 A**	22317 CCK/W33	85.000	3.3465	180	7.0866	60.0	2.3622	420 000	94 500	520 000	117 000	7.25	16.00	0.33	2.0	3.0
467350	23148 CCK/W33	240.000	9.4488	400	15.7480	128.0	5.0394	1 790 000	403 000	3 200 000	719 000	65.50	145.00	0.30	2.3	3.4
467350 A**	23148 CCK/W33	240.000	9.4488	400	15.7480	128.0	5.0394	1 790 000	403 000	3 200 000	719 000	65.50	145.00	0.30	2.3	3.4
467418	22218 CCK/W33	90.000	3.5433	160	6.2992	40.0	1.5748	253 000	56 900	340 000	76 400	3.25	7.15	0.23	2.9	4.4
468043	23222 CCK/W33	110.000	4.3307	200	7.8740	69.8	2.7480	518 000	117 000	765 000	172 000	9.70	21.50	0.33	2.0	3.0
468043 A**	23222 CCK/W33	110.000	4.3307	200	7.8740	69.8	2.7480	518 000	117 000	765 000	172 000	9.70	21.50	0.33	2.0	3.0
468324	23132 CCK/W33	160.000	6.2992	270	10.6299	86.0	3.3858	845 000	190 000	1 370 000	308 000	20.50	45.00	0.30	2.3	3.4
468603	22222 CCK/W33	110.000	4.3307	200	7.8740	53.0	2.0866	408 000	91 800	560 000	126 000	7.00	15.50	0.25	2.7	4.0
468699	23156 CCK/W33	280.000	11.0236	460	18.1102	146.0	5.7480	2 300 000	518 000	4 250 000	955 000	97.00	215.00	0.30	2.3	3.4
468772	22226 CCK/W33	130.000	5.1181	230	9.0551	64.0	2.5197	546 000	123 000	800 000	180 000	11.00	24.50	0.26	2.6	3.9

* special bore size

** controlled inner ring width



Designation	Principal Dimensions						Basic Load Ratings				Speed Rating		Mass		Calculation Factors		
	Bore		Outside Diameter		Width		Dynamic		Static		Lubrication		kg	lb	e	Y ₁	Y ₂
	d		D		B		C		C ₀		Grease	Oil					
	mm	in	mm	in	mm	in	N	lbf	N	lbf	r/min	r/min			-	-	-
I-26310 CAM2/W33*	200	7.8740	380	14.9606	126	4.9606	1 730 000	390 000	2 700 000	610 000	750	950	68.00	150.00	0.33	2.0	3.0
I-26311 CAM2/W33*	220	8.6614	420	16.5354	138	5.4331	2 070 000	465 000	3 200 000	720 000	670	850	90.50	200.00	0.33	2.0	3.0
I-28809 CAM2/W33*	190	7.4803	280	11.0236	67	2.6378	644 000	145 000	1 140 000	256 000	1 700	2 200	15.00	33.00	0.21	3.2	4.8
I-28814 CAM2/W33*	240	9.4488	350	13.7795	83	3.2677	978 000	220 000	1 830 000	411 000	850	1 100	27.50	60.50	0.21	3.2	4.8
I-28821 CACM2/W33*	310	12.2047	455	17.9134	109	4.2913	1 680 000	378 000	3 250 000	730 000	630	800	66.00	145.00	0.21	3.2	4.8
I-37611 CAM2/W33**	220	8.6614	420	16.5354	138	5.4331	2 070 000	465 000	3 200 000	720 000	670	850	90.50	200.00	0.33	2.0	3.0
I-37617 CA/W33**	340	13.3858	640	25.1969	190	7.4803	4 080 000	920 000	6 550 000	1 500 000	480	600	150.00	640.00	0.30	2.3	3.4
I-112618 CA/W33**	250	9.8425	410	16.1417	128	5.0394	1 760 000	400 000	3 100 000	700 000	630	800	68.00	150.00	0.30	2.3	3.4
ECBI-112630 CAC/W33**350	350	13.7795	590	23.2283	192	7.5591	3 740 000	840 500	6 800 000	1 530 000	430	530	220.00	485.00	0.30	2.3	3.4

* cylindrical bore

** tapered bore



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