

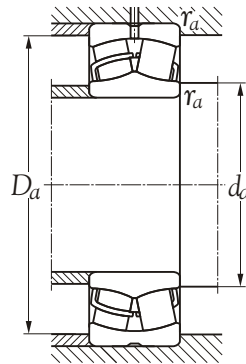


Technical Information

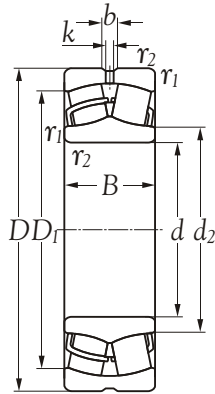


Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Max runout speed		Mass kg
		<i>D</i> mm	<i>B</i> mm	dynamic <i>C</i> N	static <i>C</i> <sub>0</sub>	grease r/min	oil r/min	
110	23022 CC	170	45	213600	352000	1500	2100	3.75
110	23022 CCK	170	45	213600	352000	1500	2100	3.75
120	23024 CC/W33	180	46	244000	408000	1400	1900	4.20
120	23024 CCK/W33	180	46	244000	408000	1400	1900	4.20
130	23026 CC/W33	200	52	299200	488000	1300	1800	6.10
130	23026 CCK/W33	200	52	299200	488000	1300	1800	6.10
140	23028 CC/W33	210	53	317600	544000	1200	1600	6.55
140	23028 CCK/W33	210	53	317600	544000	1200	1600	6.55
150	23030 CC/W33	225	56	349600	600000	1100	1500	7.95
150	23030 CCK/W33	225	56	349600	600000	1100	1500	7.95
160	23032 CC/W33	240	60	404800	704000	1100	1500	9.70
160	23032 CCK/W33	240	60	404800	704000	1100	1500	9.70
170	23034 CC/W33	260	67	496800	848000	1100	1400	13.00
170	23034 CCK/W33	260	67	496800	848000	1100	1400	13.00
180	23036 CC/W33	280	74	580000	1000000	900	1200	17.00
180	23036 CCK/W33	280	74	580000	1000000	900	1200	17.00
190	23038 CC/W33	290	75	602400	1072000	900	1100	18.00
190	23038 CCK/W33	290	75	602400	1072000	900	1100	18.00
200	23040 CC/W33	310	82	704000	1224000	800	1100	23.00
200	23040 CCK/W33	310	82	704000	1224000	800	1100	23.00
220	23044 CC/W33	340	90	840000	1488000	700	1000	30.50
220	23044 CCK/W33	340	90	840000	1488000	700	1000	30.50
240	23048 CC/W33	360	92	904000	1664000	700	900	33.50
240	23048 CCK/W33	360	92	904000	1664000	700	900	33.50
260	23052 CC/W33	400	104	1120000	2040000	600	800	48.50
260	23052 CCK/W33	400	104	1120000	2040000	600	800	48.50
280	23056 CC/W33	420	106	1216000	2280000	500	700	52.50
280	23056 CCK/W33	420	106	1216000	2280000	500	700	52.50
300	23060 CC/W33	460	118	1472000	2760000	500	700	71.50
300	23060 CCK/W33	460	118	1472000	2760000	500	700	71.50
320	23064 CC/W33	480	121	1568000	3040000	500	700	78.00
320	23064 CCK/W33	480	121	1568000	3040000	500	700	78.00
340	23068 CC/W33	520	133	1880000	3640000	400	600	105.00
340	23068 CCK/W33	520	133	1880000	3640000	400	600	105.00



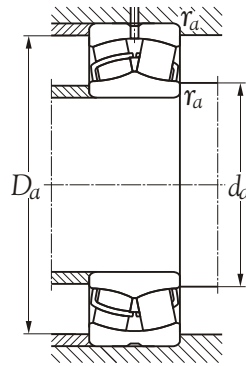


Inner bore <i>d</i> mm	Bearing number	Dimensions (mm)					Abutment and fillet Dimensions (mm)			Calculation factors			
		<i>d</i> <sub>2</sub>	<i>D</i> <sub>1</sub>	<i>r</i> <sub>1,2</sub> min	<i>b</i>	<i>k</i>	<i>d</i> <sub>a</sub> min	<i>D</i> <sub>a</sub> max	<i>r</i> <sub>a</sub> max	<i>e</i>	<i>Y</i> <sub>1</sub>	<i>Y</i> <sub>2</sub>	<i>Y</i> <sub>0</sub>
110	23022 CC	125	152	2.0			120	160	2.0	0.23	2.9	4.4	2.8
110	23022 CCK	125	152	2.0			120	160	2.0	0.23	2.9	4.4	2.8
120	23024 CC/W33	136	164	2.0	5.5	3.0	130	170	2.0	0.22	3.0	4.6	2.8
120	23024 CCK/W33	136	164	2.0	5.5	3.0	130	170	2.0	0.22	3.0	4.6	2.8
130	23026 CC/W33	148	180	2.0	8.3	4.5	140	190	2.0	0.23	2.9	4.4	2.8
130	23026 CCK/W33	148	180	2.0	8.3	4.5	140	190	2.0	0.23	2.9	4.4	2.8
140	23028 CC/W33	158	190	2.0	8.3	4.5	150	200	2.0	0.22	3.0	4.6	2.8
140	23028 CCK/W33	158	190	2.0	8.3	4.5	150	200	2.0	0.22	3.0	4.6	2.8
150	23030 CC/W33	169	203	2.1	8.3	4.5	162	213	2.0	0.22	3.0	4.6	2.8
150	23030 CCK/W33	169	203	2.1	8.3	4.5	162	213	2.0	0.22	3.0	4.6	2.8
160	23032 CC/W33	181	217	2.1	11.1	6.0	172	228	2.0	0.22	3.0	4.6	2.8
160	23032 CCK/W33	181	217	2.1	11.1	6.0	172	228	2.0	0.22	3.0	4.6	2.8
170	23034 CC/W33	192	232	2.1	11.1	6.0	182	248	2.0	0.23	2.9	4.4	2.8
170	23034 CCK/W33	192	232	2.1	11.1	6.0	182	248	2.0	0.23	2.9	4.4	2.8
180	23036 CC/W33	204	248	2.1	13.9	7.5	192	268	2.0	0.24	2.8	4.2	2.8
180	23036 CCK/W33	204	248	2.1	13.9	7.5	192	268	2.0	0.24	2.8	4.2	2.8
190	23038 CC/W33	216	260	2.1	13.9	7.5	202	278	2.0	0.23	2.9	4.4	2.8
190	23038 CCK/W33	216	260	2.1	13.9	7.5	202	278	2.0	0.23	2.9	4.4	2.8
200	23040 CC/W33	229	277	2.1	13.9	7.5	212	298	2.0	0.24	2.8	4.2	2.8
200	23040 CCK/W33	229	277	2.1	13.9	7.5	212	298	2.0	0.24	2.8	4.2	2.8
220	23044 CC/W33	251	305	3.0	13.9	7.5	234	326	2.5	0.24	2.8	4.2	2.8
220	23044 CCK/W33	251	305	3.0	13.9	7.5	234	326	2.5	0.24	2.8	4.2	2.8
240	23048 CC/W33	271	325	3.0	13.9	7.5	254	346	2.5	0.23	2.9	4.4	2.8
240	23048 CCK/W33	271	325	3.0	13.9	7.5	254	346	2.5	0.23	2.9	4.4	2.8
260	23052 CC/W33	296	359	4.0	16.7	9.0	278	382	3.0	0.23	2.9	4.4	2.8
260	23052 CCK/W33	296	359	4.0	16.7	9.0	278	382	3.0	0.23	2.9	4.4	2.8
280	23056 CC/W33	316	379	4.0	16.7	9.0	298	402	3.0	0.23	2.9	4.4	2.8
280	23056 CCK/W33	316	379	4.0	16.7	9.0	298	402	3.0	0.23	2.9	4.4	2.8
300	23060 CC/W33	340	413	4.0	16.7	9.0	318	442	3.0	0.23	2.9	4.4	2.8
300	23060 CCK/W33	340	413	4.0	16.7	9.0	318	442	3.0	0.23	2.9	4.4	2.8
320	23064 CC/W33	360	433	4.0	16.7	9.0	338	462	3.0	0.23	2.9	4.4	2.8
320	23064 CCK/W33	360	433	4.0	16.7	9.0	338	462	3.0	0.23	2.9	4.4	2.8
340	23068 CC/W33	385	467	5.0	22.3	12.0	362	498	4.0	0.24	2.8	4.2	2.8
340	23068 CCK/W33	385	467	5.0	22.3	12.0	362	498	4.0	0.24	2.8	4.2	2.8



Inner bore $d$ mm	Bearing number	Principal dimensions		Basic load ratings		Fatigue load limit $P_u$ N	Max runout speed		Mass kg
		$D$ mm	$B$ mm	dynamic $C$ N	static $C_o$ N		grease r/min	oil r/min	
360	23072 CC/W33	540	134	1912000	3840000		400	500	110
360	23072 CCK/W33	540	134	1912000	3840000		400	500	110
380	23076 CC/W33	560	135	2480000	5000000	360000	630	800	115
380	23076 CCK/W33	560	135	2480000	5000000	360000	630	800	115
400	23080 CAC/W33	600	148	2880000	5700000	400000	600	750	150
400	23080 CACK/W33	600	148	2880000	5700000	400000	600	750	150
420	23084 CA/W33	620	150	2990000	6000000	415000	450	560	155
420	23084 CAK/W33	620	150	2990000	6000000	415000	450	560	155
440	23088 CA/W33	650	157	3220000	6550000	450000	430	530	180
440	23088 CAK/W33	650	157	3220000	6550000	450000	430	530	180
460	23092 CA/W33	680	163	3450000	6950000	465000	400	500	205
460	23092 CAK/W33	680	163	3450000	6950000	465000	400	500	205
480	23096 CA/W33	700	165	3340000	6800000	450000	380	480	215
480	23096 CAK/W33	700	165	3340000	6800000	450000	380	480	215
500	230/500 CA/W33	720	167	3680000	7800000	510000	380	480	225
500	230/500 CAK/W33	720	167	3680000	7800000	510000	380	480	225
530	230/530 CA/W33	780	185	4370000	9300000	630000	340	430	310
530	230/530 CAK/W33	780	185	4370000	9300000	630000	340	430	310
600	230/600 CA/W33	870	200	5230000	11400000	750000	300	380	405
600	230/600 CAK/W33	870	200	5230000	11400000	750000	300	380	405
630	230/630 CA/W33	920	212	5750000	12500000	800000	260	340	485
630	230/630 CAK/W33	920	212	5750000	12500000	800000	260	340	485
670	230/670 CA/W33	980	230	6560000	14600000	915000	240	320	600
670	230/670 CAK/W33	980	230	6560000	14600000	915000	240	320	600
710	230/710 CA/W33	1030	236	7250000	16300000	1000000	220	300	670
710	230/710 CAK/W33	1030	236	7250000	16300000	1000000	220	300	670
750	230/750 CA/W33	1090	250	8450000	18600000	1100000	200	280	795
750	230/750 CAK/W33	1090	250	8450000	18600000	1100000	200	280	795
800	230/800 CA/W33	1150	258	8630000	20000000	1160000	190	260	895
800	230/800 CAK/W33	1150	258	8630000	20000000	1160000	190	260	895
850	230/850 CA/W33	1220	272	9370000	21600000	1270000	180	240	1050
850	230/850 CAK/W33	1220	272	9370000	21600000	1270000	180	240	1050
950	230/950 CA/W33	1360	300	12000000	28500000	1600000	160	200	1450
950	230/950 CAK/W33	1360	300	12000000	28500000	1600000	160	200	1450





Inner bore $d$ mm	Bearing number	Dimensions (mm)					Abutment and fillet Dimensions (mm)			Calculation factors			
		$d_2$	$D_1$	$r_{1,2}$ min	$b$	$k$	$d_a$ min	$D_a$ max	$r_a$ max	$e$	$Y_1$	$Y_2$	$Y_0$
360	23072 CC/W33	404	482	5.0	22.3	12.0	382	518	4	0.23	2.9	4.4	2.8
360	23072 CCK/W33	404	482	5.0	22.3	12.0	382	518	4	0.23	2.9	4.4	2.8
380	23076 CC/W33	425	508	5.0	22.3	12.0	402	538	4	0.22	3.0	4.6	2.8
380	23076 CCK/W33	425	508	5.0	22.3	12.0	402	538	4	0.22	3.0	4.6	2.8
400	23080 CAC/W33	465	541	5.0	22.3	12.0	422	578	4	0.23	2.9	4.4	2.8
400	23080 CACK/W33	465	541	5.0	22.3	12.0	422	578	4	0.23	2.9	4.4	2.8
420	23084 CA/W33	485	562	5.0	22.3	12.0	442	598	4	0.22	3.0	4.6	2.8
420	23084 CAK/W33	485	562	5.0	22.3	12.0	442	598	4	0.22	3.0	4.6	2.8
440	23088 CA/W33	509	589	6.0	22.3	12.0	468	622	5	0.22	3.0	4.6	2.8
440	23088 CAK/W33	509	589	6.0	22.3	12.0	468	622	5	0.22	3.0	4.6	2.8
460	23092 CA/W33	531	616	6.0	22.3	12.0	488	652	5	0.22	3.0	4.6	2.8
460	23092 CAK/W33	531	616	6.0	22.3	12.0	488	652	5	0.22	3.0	4.6	2.8
480	23096 CA/W33	547	632	6.0	22.3	12.0	508	672	5	0.21	3.2	4.8	3.2
480	23096 CAK/W33	547	632	6.0	22.3	12.0	508	672	5	0.21	3.2	4.8	3.2
500	230/500 CA/W33	571	656	6.0	22.3	12.0	528	692	5	0.21	3.2	4.8	3.2
500	230/500 CAK/W33	571	656	6.0	22.3	12.0	528	692	5	0.21	3.2	4.8	3.2
530	230/530 CA/W33	611	708	6.0	22.3	12.0	558	752	5	0.22	3.0	4.6	2.8
530	230/530 CAK/W33	611	708	6.0	22.3	12.0	558	752	5	0.22	3.0	4.6	2.8
600	230/600 CA/W33	683	786	6.0	22.3	12.0	628	842	5	0.22	3.0	4.6	2.8
600	230/600 CAK/W33	683	786	6.0	22.3	12.0	628	842	5	0.22	3.0	4.6	2.8
630	230/630 CA/W33	725	837	7.5	22.3	12.0	666	884	6	0.21	3.2	4.8	3.2
630	230/630 CAK/W33	725	837	7.5	22.3	12.0	666	884	6	0.21	3.2	4.8	3.2
670	230/670 CA/W33	770	890	7.5	22.3	12.0	706	944	6	0.21	3.2	4.8	3.2
670	230/670 CAK/W33	770	890	7.5	22.3	12.0	706	944	6	0.21	3.2	4.8	3.2
710	230/710 CA/W33	814	939	7.5	22.3	12.0	746	994	6	0.21	3.2	4.8	3.2
710	230/710 CAK/W33	814	939	7.5	22.3	12.0	746	994	6	0.21	3.2	4.8	3.2
750	230/750 CA/W33	860	996	7.5	22.3	12.0	786	1054	6	0.21	3.2	4.8	3.2
750	230/750 CAK/W33	860	996	7.5	22.3	12.0	786	1054	6	0.21	3.2	4.8	3.2
800	230/800 CA/W33	915	1051	7.5	22.3	12.0	836	1114	6	0.20	3.4	5.0	3.2
800	230/800 CAK/W33	915	1051	7.5	22.3	12.0	836	1114	6	0.20	3.4	5.0	3.2
850	230/850 CA/W33	969	1114	7.5	22.3	12.0	886	1184	6	0.20	3.4	5.0	3.2
850	230/850 CAK/W33	969	1114	7.5	22.3	12.0	886	1184	6	0.20	3.4	5.0	3.2
950	230/950 CA/W33	1083	1242	7.5	22.3	12.0	986	1324	6	0.20	3.4	5.0	3.2
950	230/950 CAK/W33	1083	1242	7.5	22.3	12.0	986	1324	6	0.20	3.4	5.0	3.2