

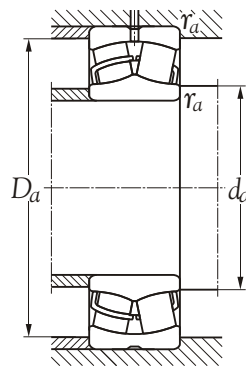


Technical Information



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> ₀	grease r/min	oil r/min	
100	23120 CC/W33	165	52	257600	392000	1400	1900	4.40
100	23120 CCK/W3	165	52	257600	392000	1400	1900	4.40
110	23122 CC/W33	180	56	299200	468000	1300	1800	5.55
110	23122 CCK/W33	180	56	299200	468000	1300	1800	5.55
120	23124 CC/W33	200	62	359200	556000	1200	1600	7.80
120	23124 CCK/W33	200	62	359200	556000	1200	1600	7.80
130	23126 CC/W33	210	64	391200	624000	1100	1500	8.55
130	23126 CCK/W33	210	64	391200	624000	1100	1500	8.55
140	23128 CC/W33	225	68	436800	720000	1100	1400	10.50
140	23128 CCK/W33	225	68	436800	720000	1100	1400	10.50
150	23130 CC/W33	250	80	580000	960000	900	1200	16.00
150	23130 CCK/W33	250	80	580000	960000	900	1200	16.00
160	23132 CC/W33	270	86	676000	1096000	900	1100	20.50
160	23132 CCK/W33	270	86	676000	1096000	900	1100	20.50
170	23134 CC/W33	280	88	717600	1200000	800	1100	21.50
170	23134 CCK/W33	280	88	717600	1200000	800	1100	21.50
180	23136 CC/W33	300	96	840000	1408000	700	1000	27.50
180	23136 CCK/W33	300	96	840000	1408000	700	1000	27.50
190	23138 CC/W33	320	104	960000	1664000	700	900	34.50
190	23138 CCK/W33	320	104	960000	1664000	700	900	34.50
200	23140 CC/W33	340	112	1104000	1888000	600	900	42.50
200	23140 CCK/W33	340	112	1104000	1888000	600	900	42.50
220	23144 CC/W33	370	120	1264000	2200000	600	800	53.00
220	23144 CCK/W33	370	120	1264000	2200000	600	800	53.00
240	23148 CC/W33	400	128	1432000	2560000	500	700	65.50
240	23148 CCK/W33	400	128	1432000	2560000	500	700	65.50
260	23152 CC/W33	440	144	1776000	3120000	500	700	90.50
260	23152 CCK/W33	440	144	1776000	3120000	500	700	90.50
280	23156 CC/W33	460	146	1840000	3400000	500	600	97.00
280	23156 CCK/W33	460	146	1840000	3400000	500	600	97.00
300	23160 CC/W33	500	160	2256000	4080000	400	500	125.00
300	23160 CCK/W33	500	160	2256000	4080000	400	500	125.00
320	23164 CC/W33	540	176	2624000	4800000	400	500	165.00
320	23164 CCK/W33	540	176	2624000	4800000	400	500	165.00





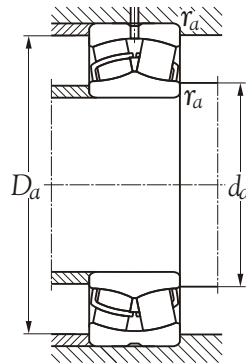
Inner bore d mm	Bearing number	Dimensions (mm)					Abutment and fillet Dimensions (mm)			Calculation factors			
		d_2	D_1	$r_{1,2}$ min	b	k	d_a min	D_a max	r_a max	e	Y_1	Y_2	Y_0
100	23120 CC/W33	115	145	2.0	5.5	3.0	110	155	2.0	0.30	2.3	3.4	2.2
100	23120 CCK/W3	115	145	2.0	5.5	3.0	110	155	2.0	0.30	2.3	3.4	2.2
110	23122 CC/W33	126	157	2.0	8.3	4.5	120	170	2.0	0.30	2.3	3.4	2.2
110	23122 CCK/W33	126	157	2.0	8.3	4.5	120	170	2.0	0.30	2.3	3.4	2.2
120	23124 CC/W33	139	173	2.0	8.3	4.5	130	170	2.0	0.28	2.4	3.6	2.5
120	23124 CCK/W33	139	173	2.0	8.3	4.5	130	170	2.0	0.28	2.4	3.6	2.5
130	23126 CC/W33	148	184	2.0	8.3	4.5	140	200	2.0	0.28	2.4	3.6	2.5
130	23126 CCK/W33	148	184	2.0	8.3	4.5	140	200	2.0	0.28	2.4	3.6	2.5
140	23128 CC/W33	159	196	2.1	8.3	4.5	152	213	2.0	0.28	2.4	3.6	2.5
140	23128 CCK/W33	159	196	2.1	8.3	4.5	152	213	2.0	0.28	2.4	3.6	2.5
150	23130 CC/W33	173	216	2.1	11.1	6.0	162	238	2.0	0.30	2.3	3.4	2.2
150	23130 CCK/W33	173	216	2.1	11.1	6.0	162	238	2.0	0.30	2.3	3.4	1.8
160	23132 CC/W33	185	234	2.1	13.9	7.5	172	258	2.0	0.30	2.3	3.4	2.2
160	23132 CCK/W33	185	234	2.1	13.9	7.5	172	258	2.0	0.30	2.3	3.4	2.2
170	23134 CC/W33	195	244	2.1	13.9	7.5	182	268	2.0	0.30	2.3	3.4	2.2
170	23134 CCK/W33	195	244	2.1	13.9	7.5	182	268	2.0	0.30	2.3	3.4	2.2
180	23136 CC/W33	207	259	3.0	13.9	7.5	194	286	2.5	0.30	2.3	3.4	2.2
180	23136 CCK/W33	207	259	3.0	13.9	7.5	194	286	2.5	0.30	2.3	3.4	2.2
190	23138 CC/W33	220	276	3.0	13.9	7.5	204	306	2.5	0.31	2.2	3.3	2.2
190	23138 CCK/W33	220	276	3.0	13.9	7.5	204	306	2.5	0.31	2.2	3.3	2.2
200	23140 CC/W33	232	293	3.0	16.7	9.0	214	326	2.5	0.31	2.2	3.3	2.2
200	23140 CCK/W33	232	293	3.0	16.7	9.0	214	326	2.5	0.31	2.2	3.3	2.2
220	23144 CC/W33	256	320	4.0	16.7	9.0	238	352	3.0	0.30	2.3	3.4	2.2
220	23144 CCK/W33	256	320	4.0	16.7	9.0	238	352	3.0	0.30	2.3	3.4	2.2
240	23148 CC/W33	277	347	4.0	16.7	9.0	258	382	3.0	0.30	2.3	3.4	2.2
240	23148 CCK/W33	277	347	4.0	16.7	9.0	258	382	3.0	0.30	2.3	3.4	2.2
260	23152 CC/W33	301	380	4.0	16.7	9.0	278	422	3.0	0.31	2.2	3.3	2.2
260	23152 CCK/W33	301	380	4.0	16.7	9.0	278	422	3.0	0.31	2.2	3.3	2.2
280	23156 CC/W33	321	400	5.0	16.7	9.0	302	438	4.0	0.30	2.3	2.4	2.2
280	23156 CCK/W33	321	400	5.0	16.7	9.0	302	438	4.0	0.30	2.3	2.4	2.2
300	23160 CC/W33	345	434	5.0	16.7	9.0	322	478	4.0	0.30	2.3	3.4	2.2
300	23160 CCK/W33	345	434	5.0	16.7	9.0	322	478	4.0	0.30	2.3	3.4	2.2
320	23164 CC/W33	370	465	5.0	22.3	12.0	342	518	4.0	0.31	2.2	3.3	2.2
320	23164 CCK/W33	370	465	5.0	22.3	12.0	342	518	4.0	0.31	2.2	3.3	2.2





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> ₀	grease r/min	oil r/min	
340	23168 CC/W33	580	190	2944000	5440000	400	500	210
340	23168 CCK/W33	580	190	2944000	5440000	400	500	210
360	23172 CAC/W33	600	192	2992000	5560000	300	400	220
360	23172 CACK/W33	600	192	2992000	5560000	300	400	220
380	23176 CA/W33	620	194	2992000	5680000	200	300	230
380	23176 CAK/W33	620	194	2992000	5680000	200	300	230
400	23180 CAC/W33	650	200	3264000	6120000	200	300	265
400	23180 CACK/W33	650	200	3264000	6120000	200	300	265
420	23184 C/W33	700	224	3912000	7440000	200	300	350
420	23184 CK/W33	700	224	3912000	7440000	200	300	350
440	23188 CA/W33	720	226	4144000	8000000	200	300	360
440	23188 CAK/W33	720	226	4144000	8000000	200	300	360
460	23192 CA/W33	760	240	4512000	8640000	200	200	440
460	23192 CAK/W33	760	240	4512000	8640000	200	200	440
480	23196 CA/W33	790	248	4880000	9600000	200	200	485
480	23196 CAK/W33	790	248	4880000	9600000	200	200	485
500	231/500 CA/W33	830	264	5384000	10320000	100	200	580
500	231/500 CAK/W33	830	264	5384000	10320000	100	200	580
530	231/530 CA/W33	870	272	5704000	11200000	100	200	645
530	231/530 CAK/W33	870	272	5704000	11200000	100	200	645
560	231/560 CA/W33	920	280	6392000	12800000	100	200	740
560	231/560 CAK/W33	920	280	6392000	12800000	100	200	740
600	231/600 CA/W33	980	300	7176000	14400000	100	100	895
600	231/600 CAK/W33	980	300	7032000	14400000	100	100	895
630	231/630 CA/W33	1030	315	8400000	16640000	100	100	1050
630	231/630 CAK/W33	1030	315	8400000	16640000	100	100	1050
670	231/670 CA/W33	1090	336	8720000	17920000	100	100	1250
670	231/670 CAK/W33	1090	336	8720000	17920000	100	100	1250





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
340	23168 CC/W33	394	498	5.0	22.3	12	362	558	4	0.31	2.2	3.3	2.2
340	23168 CCK/W33	394	498	5.0	22.3	12	362	558	4	0.31	2.2	3.3	2.2
360	23172 CAC/W33	435	524	5.0	22.3	12	382	578	4	0.30	2.3	3.4	2.2
360	23172 CACK/W33	435	524	5.0	22.3	12	382	578	4	0.30	2.3	3.4	2.2
380	23176 CA/W33	452	541	5.0	22.3	12	402	598	4	0.30	2.3	3.4	2.2
380	23176 CAK/W33	452	541	5.0	22.3	12	402	598	4	0.30	2.3	3.4	2.2
400	23180 CAC/W33	474	566	6.0	22.3	12	428	622	5	0.28	2.4	3.6	2.5
400	23180 CACK/W33	474	566	6.0	22.3	12	428	622	5	0.28	2.4	3.6	2.5
420	23184 C/W33	483	607	6.0	22.3	12	448	672	5	0.30	2.3	3.4	2.2
420	23184 CK/W33	483	607	6.0	22.3	12	448	672	5	0.30	2.3	3.4	2.2
440	23188 CA/W33	528	632	6.0	22.3	12	468	692	5	0.30	2.3	3.4	2.2
440	23188 CAK/W33	528	632	6.0	22.3	12	468	692	5	0.30	2.3	3.4	2.2
460	23192 CA/W33	553	665	7.5	22.3	12	496	724	6	0.30	2.3	3.4	2.2
460	23192 CAK/W33	553	665	7.5	22.3	12	496	724	6	0.30	2.3	3.4	2.2
480	23196 CA/W33	577	692	7.5	22.3	12	516	754	6	0.30	2.3	3.4	2.2
480	23196 CAK/W33	577	692	7.5	22.3	12	516	754	6	0.30	2.3	3.4	2.2
500	231/500 CA/W33	603	726	7.5	22.3	12	536	794	6	0.30	2.3	3.4	2.2
500	231/500 CAK/W33	603	726	7.5	22.3	12	536	794	6	0.30	2.3	3.4	2.2
530	231/530 CA/W33	636	763	7.5	22.3	12	556	834	6	0.30	2.3	3.4	2.2
530	231/530 CAK/W33	636	763	7.5	22.3	12	556	834	6	0.30	2.3	3.4	2.2
560	231/560 CA/W33	673	808	7.5	22.3	12	596	884	6	0.30	2.3	3.4	2.2
560	231/560 CAK/W33	673	808	7.5	22.3	12	596	884	6	0.30	2.3	3.4	2.2
600	231/600 CA/W33	720	862	7.5	22.3	12	636	944	6	0.30	2.3	3.4	2.5
600	231/600 CAK/W33	720	862	7.5	22.3	12	636	944	6	0.30	2.3	3.4	2.5
630	231/630 CA/W33	757	908	7.5	22.3	12	666	994	6	0.30	2.3	3.4	2.2
630	231/630 CAK/W33	757	908	7.5	22.3	12	666	994	6	0.30	2.3	3.4	2.2
670	231/670 CA/W33	802	958	7.5	22.3	12	706	1054	6	0.30	2.3	3.4	2.2
670	231/670 CAK/W33	802	958	7.5	22.3	12	706	1054	6	0.30	2.3	3.4	2.2