

HRB Bearings Catalogue - Spherical Roller Bearings

Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22205C	22205CK	25	52	18	1	35.7	35.7	8500	11000	31	46	1	0.18
22205CA	22205CAK	25	52	18	1	43.1	44	8500	11000	31	46	1	0.18
21305C	21305CK	25	62	17	1.1	41.4	41.5	6700	8500	31	55	1	0.25
22206C	22206CK	30	62	20	1	48.9	52	7500	9500	36	56	1	0.28
22206CA	22206CAK	30	62	20	1	48.9	52	7500	9500	36	56	1	0.32
21306C	21306CK	30	72	19	1.1	55.2	61	6000	7500	37	65	1	0.38
22207C	22207CK	35	72	23	1.1	67.3	73.5	6300	8000	42	65	1	0.43
22207CA	22207CAK	35	72	23	1.1	67.3	73.5	6300	8000	42	65	1.1	0.46
21307C	21307CK	35	80	21	1.5	65.6	72	5300	6700	44	71	1.5	0.51
22208C	22208CK	40	80	23	1.1	73.6	81.5	6000	7500	47	73	1	0.52
22208CA	22208CAK	40	80	23	1.1	73.6	81.5	6000	7500	47	73	1	0.54
21308C	21308CK	40	90	23	1.5	82.8	98	4500	5600	49	81	1.5	0.71
22308C	22308CK	40	90	33	1.5	115	112	4500	5600	49	81	1.5	1
22308CA	22308CAK	40	90	33	1.5	115	112	4500	5600	49	81	1.5	1.01
22209C	22209CK	45	85	23	1.1	77.1	88	5300	6700	52	78	1	0.56
22209CA	22209CAK	45	85	23	1.1	77.1	88	5300	6700	52	78	1	0.629
21309C	21309CK	45	100	25	1.5	101	114	4300	5300	54	91	1.5	0.95
22309C	22309CK	45	100	36	1.5	138	160	3800	4800	54	91	1.5	1.35
22309CA	22309CAK	45	100	36	1.5	138	160	3800	4800	54	91	1.5	1.52
22210C	22210CK	50	90	23	1.1	84.5	100	5000	6300	57	83	1	0.6
22210CA	22210CAK	50	90	23	1.1	84.5	100	5000	6300	57	83	1.1	0.63
22210CA/W33		50	90	23	1.1	84.5	100	5000	6300	57	83	1.1	0.63
21310C	21310CK	50	110	27	2	120	140	3600	4800	60	100	2	1.2
22310	22310K	50	110	40	2	157	258	3400	4300	60	100	2	2.1
22310C	22310CK	50	110	40	2	176	200	3400	4300	60	100	2	1.85
22310CA	22310CK	50	110	40	2	176	200	3400	4300	60	100	2	2.17

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Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22310CA/W33	22310CAK/W33	50	110	40	2	76	200	3400	4300	60	100	2	2.17
22211C	22211CK	55	100	25	1.5	99.5	118	4500	5600	64	91	1.5	0.82
22211CA	22211CAK	55	100	25	1.5	99.5	118	4500	5600	64	91	1.5	0.887
22211CA/W33	22211CAK/W33	55	100	25	1.5	99.5	118	4500	5600	64	91	1.5	0.879
21311C	21311CK	55	120	29	2	138	163	3400	4300	65	110	2	1.6
22311	22311K	55	130	43	2	175	230	3200	4000	65	110	2	1.6
22311/W33	22311CK	55	120	43	2	175	230	3200	4000	65	110	2	1.6
22311C	22311CAK	55	120	43	2	199	232	3200	4000	65	110	2	2.35
22311CA	22312CAK	55	120	43	2	199	232	3200	4000	65	110	2	2.6
22311CA/W33	22311CAK/W33	55	120	43	2	175	230	3200	4000	65	110	2	2.42
22311CA/YB2		55	120	43	2	175	230	3200	4000	65	110	2	2.6
22311CAF3		55	120	43	2	175	230	3200	4000	65	110	2	2.6
22212C	22213CK	60	110	28	1.5	122	146	4000	5000	69	101	1.5	1.1
22212CA	22213CAK	60	110	28	1.5	122	146	4000	5000	69	101	1.5	1.01
22212CA/W33	22212CAK/W33	60	110	28	1.5	122	146	4000	5000	69	101	1.5	0.982
21312C	21312CK	60	130	31	2.1	161	200	3000	3800	72	118	2	1.95
22312	22312K	60	130	46	2.1	212	284	3000	3800	72	118	2	1.95
22312C	22312CK	60	130	46	2.1	235	280	3000	3800	72	118	2	2.95
22312CA	22312CAK	60	130	46	2.1	235	280	3000	3800	72	118	2	3.33
22312CA/W33		60	130	46	2.1	235	280	3000	3800	72	118	2	3.33
22312CA/YB2		60	130	46	2.1	235	280	3000	3800	72	118	2	3.33
22312CAF3		60	130	46	2.1	235	280	3000	3800	72	118	2	3.33
22213C	22213CK	65	120	31	1.5	148	183	3800	4800	74	111	1.5	1.45
22213CA	22213CAK	65	120	31	1.5	148	183	2800	4800	74	111	1.5	1.56
22213CA/W33	22213CAK/W33	65	120	31	1.5	148	183	3800	4800	74	111	1.5	1.56
21312C	21312CK	65	140	33	2.1	184	240	2800	3600	77	128	2	2.45
21312CA	21312CAKF4	65	140	33	2.1	184	240	2800	3600	77	128	2	2.58
22313	22313K	65	140	48	2.1	253	300	2600	3400	77	128	2	4.97

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Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22313C	22313CK	65	140	48	2.1	253	300	2600	3400	77	128	2	3.55
22313C/YB2		65	140	48	2.1	253	300	2600	3400	77	128	2	4.97
22313CA	22313CAK	65	140	48	2.1	253	300	2600	3400	77	128	2	4.92
22313CA/W33	22313CAK/W33	65	140	48	2.1	253	300	2600	3400	77	128	2	4.9
22214C	22214CK	70	125	31	1.5	148	186	3600	4500	79	116	1.5	1.55
22214CA	22214CAK	70	125	31	1.5	148	186	3600	4500	79	116	1.5	1.83
22214CA/W33		70	125	31	1.5	148	186	3600	4500	79	116	1.5	1.83
21314C	21314CK	70	150	35	2.1	207	260	2600	3400	82	138	2	3
22314	22314K	70	150	51	2.1	311	380	2400	3200	82	138	2	4.48
22314C/W33	22314CK/W33	70	150	51	2.1	311	380	2400	3200	82	138	2	4.3
22314CA	22314CAK	70	150	51	2.1	311	380	2400	3200	82	138	2	4.3
22314CA/W33	22314CAK/W33	70	150	51	2.1	311	380	2400	3200	82	138	2	5.23
22314CAF3	22314CAKF3	70	150	51	2.1	311	380	2400	3200	82	138	2	5.23
22215C	22215CK	75	130	31	1.5	158	208	3400	4300	84	121	1.5	1.65
22215CA	22215CAK	75	130	31	1.5	158	208	3400	4300	84	121	1.5	1.71
22215CA/W33		75	130	31	1.5	158	208	3400	4300	84	121	1.5	1.71
21315C	21315CK	75	160	37	2.1	235	300	2400	3200	87	148	2	3.55
21315CA	21315CAK	75	160	37	2.1	235	300	2400	3200	87	148	2	5.44
21315	21315K/W33	75	160	55	2.1	315	430	2200	3000	87	148	2	5.56
22315/W33		75	160	55	2.1	345	430	2200	3000	87	148	2	5.56
22315C/W33	22315CK/W33	75	160	55	2.1	345	430	2200	3000	87	148	2	5.25
22315CA	22315CAK	75	160	55	2.1	345	430	2200	3000	87	148	2	5.44
22315CA/W33	22315CAK/W33	75	160	55	2.1	345	430	2200	3000	87	148	2	5.44
22315CAF3		75	160	55	2.1	345	430	2200	3000	87	148	2	5.4
22315CAF3/W33		75	160	55	2.1	345	430	2200	3000	87	148	2	5.32
22216	22216K	80	140	33	2	176	228	3200	4000	90	130	2	2.1
22216C	22216CK	80	140	33	2	176	228	3200	4000	90	130	2	2.05
22216CA	22216CAK	80	140	33	2	176	228	3200	4000	90	130	2	2.03

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Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
21316C	21316CK	80	170	39	2.1	258	335	2200	3000	92	158	2	4.2
21316CA	21316CAK	80	170	39	2.1	258	335	2200	3000	92	158	2	4.48
22316	22316K	80	170	39	2.1	258	335	2200	3000	92	158	2	6.79
22316C/W33	22316CK/W33	80	170	58	2.1	374	455	2000	2800	92	158	2	6.2
22316CA	22316CAK	80	170	58	2.1	374	455	2000	2800	92	158	2	7.47
22316CA/W33	22316CAK/W33	80	170	58	2.1	374	455	2000	2800	92	158	2	7.47
22316CA/HAC9W33YA8		80	170	58	2.1	374	455	2000	2800	92	158	2	7.36
22316CAF3		80	170	58	2.1	374	455	2000	2800	92	158	2	7.34
22217/W33		85	150	36	2	210	270	3000	3800	95	140	2	2.73
22217C/W33	22217CK/W33	85	150	36	2	210	270	3000	3800	95	140	2	2.55
22217CA/W33	22217CAK/W33	85	150	36	2	210	270	3000	3800	95	140	2	2.69
21317C	21317CK	85	180	41	3	293	375	2000	2800	99	166	2.5	5
21317CA	21317CAK	85	180	41	3	293	375	2000	2800	99	166	2.5	5.3
21317C/W33	21317CAK/W33	85	180	41	3	293	375	2000	2800	99	166	2.5	5.3
22317		85	180	60	3	420	520	1900	2600	99	166	2.5	8
22317/W33		85	180	60	3	420	520	1900	2600	99	166	2.5	8
22317C/W33	22317CK/W33	85	180	60	3	420	520	1900	2600	99	166	2.5	7.25
22317CA/W33	22317CAK/W33	85	180	60	3	420	520	1900	2600	99	166	2.5	8.19
22317CAF3		85	180	60	3	420	520	1900	2600	99	166	2.5	8.12
22218		90	160	40	2	253	340	2600	3400	100	150	2	3.4
22218CA	22218CAK	90	160	40	2	253	340	2600	3400	100	150	2	3.4
22218CAF3		90	160	0	2	253	340	2600	3400	100	150	2	3.38
22218C/W33	22218CK/W33	90	160	40	2	253	340	2600	3400	100	150	2	3.4
22218CA/W33	22218CAK/W33	90	160	40	2	253	340	2600	3400	100	150	2	3.4
23218		90	160	52.4	2	311	440	1900	2600	100	150	2	4.66
23218C/W33	23218CK/W33	90	160	52.4	2	311	440	1900	2600	100	150	2	4.6
23218CA	23218CAK	90	160	52.4	2	311	440	1900	2600	100	150	2	4.82
23218CA/HAC9S0W24		90	160	52.4	2	311	440	1900	2600	100	150	2	4.72
23218CA/W33	23218CAK/W33	90	160	52.4	2	311	440	1900	2600	100	150	2	4.82

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Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
21318C	21318CK	90	190	43	3	322	425	1900	2600	104	176	2.5	5.8
21318CA	21318CAK	90	190	43	3	322	425	1900	2600	104	176	2.5	6.15
22318	22318K	90	190	64	3	477	610	1800	2400	104	176	2.5	8.6
22318C/W33	22318CK/W33	90	190	64	3	477	610	1800	2400	104	176	2.5	8.6
22318CA	22318CAK	90	190	64	3	477	610	1800	2400	104	176	2.5	11.5
22318CA/W33	22318CAK/W33	90	190	64	3	477	610	1800	2400	104	176	2.5	11.5
22318CAF3	22318CAKF3	90	190	64	3	477	610	1800	2400	104	176	2.5	11.2
22219		95	170	43	2.1	282	375	2400	3200	107	158	2	4.27
22219C/W33	22219CK/W33	95	170	43	2.1	282	375	2400	3200	107	158	2	4
22219CA	22219CAK	95	170	43	2.1	282	375	2400	3200	107	158	2	4.68
22219CA/W33	22219CAK/W33	95	170	43	2.1	282	375	2400	3200	107	158	2	4.68
21319C	21319CK	95	200	45	3	351	480	1800	2400	109	186	2.5	7.15
21319CA	21319CAK	95	200	45	3	351	480	1800	2400	109	186	2.5	7.49
22319		95	200	67	3	518	670	1800	2400	109	186	2.5	10.6
22319/W33		95	200	67	3	518	670	1800	2400	109	186	2.5	10.6
	22319CK	95	200	67	3	5118	670	1800	2400	109	186	2.5	10.4
22319C/W33	22319CK/W33	95	200	67	3	518	670	1800	2400	109	186	2.5	10
22319CA		95	200	67	3	518	670	1800	2400	109	186	2.5	10.5
22319CA/W33	22319CAK/W33	95	200	67	3	518	670	1800	2400	109	186	2.5	10.5
23020C/W33	23020CK/W33	100	150	37	1.5	215	400	2400	3200	110	140	2	2.51
23020CA		100	150	37	1.5	215	400	2400	3200	110	140	2	2.51
23020CA/W33	23020CAK/W33	100	150	37	1.5	215	400	2400	3200	110	140	2	2.51
23120C/W33	23120CK/W33	100	165	52	2	322	490	2000	2800	110	155	2	4.4
23120CA/W33	23120CAK/W33	100	165	52	2	322	490	2000	2800	110	155	2	4.42
23120CA		100	165	52	2	322	490	2000	2800	110	155	2	4.42
22220		100	180	46	2.1	311	415	2200	3000	112	168	2	5.37
22220C/W33	22220CK/W33	100	180	46	2.1	211	415	2200	3000	112	168	2	4.85
22220CA	22220CAK	100	180	46	2.1	311	415	2200	3000	112	168	2	5.18
22220CA/W33	22220CAK/W33	100	180	46	2.1	311	415	2200	3000	112	168	2	5.18

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Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22220CAF3	22220CAKF3	100	180	46	2.1	311	415	2200	3000	112	168	2	5.1
23220C/W33	23220CK/W33	100	180	60.3	2.1	414	600	1700	2200	112	168	2	6.7
23220CA	23220CAKF3/W33	100	180	60.3	2.1	414	600	1700	2200	112	168	2	6.58
23220CA/W33	23220CAK/W33	100	180	60.3	2.1	414	600	1700	2200	112	168	2	6.58
21320C	21320CK	100	215	47	3	385	530	1700	2200	114	201	2.5	8.8
21320CA	21320CAK	100	215	47	3	385	530	1700	2200	114	201	2.5	9
22320	22320K	100	215	73	3	610	800	1700	2200	114	201	2.5	13.8
22320C/W33	22320CK/W33	100	215	73	3	610	800	70	2200	114	201	2.5	13
22320CA	22320CAK	100	215	73	3	610	800	1700	2200	114	201	2.5	13
22320CA/W33	22320CAK/W33	100	215	73	3	610	800	1700	2200	114	201	2.5	13.8
22320CAF3	22320CAKF3	100	215	73	3	610	800	1700	2200	114	201	2.5	13.4
23121CA	23121CK	105	175	56	2	365	550	1900	2700	115	165	2	5.48
23121CAL		105	175	56	2	365	550	1900	2700	115	165	2	5.48
23022C	23022CK	110	170	45	2	267	440	2200	3000	120	160	2	3.75
23022CA	23022CAK	110	170	45	2	267	440	2200	3000	120	160	2	3.54
23022CA/W33		110	170	45	2	267	440	2200	3000	120	160	2	3.54
23022CAF3		110	170	45	2	267	440	2200	3000	120	160	2	3.54
23022CAF3/W33		110	170	45	2	267	440	2200	300	120	160	2	3.5
23122C/W33	23122CK/W33	110	180	56	2	374	585	1900	2600	120	170	2	5.55
23122CAF3		110	180	56	2	374	585	1900	2600	120	170	2	5.73
23122CA		110	180	56	2	374	585	1900	2600	120	170	2	5.73
23122CA/W33	23122CAK/W33	110	180	56	2	374	585	1900	2600	120	170	2	5.73
24122/W33		110	180	69	2	46	750	1000	1400	120	170	2	6.9
24122C/W33	24122CK30/W33	110	180	69	2	460	750	1000	1400	120	170	2	6.85
24122CA		110	180	69	2	460	750	1000	1400	120	170	2	6.92
24122CA/W33	24122CAK30/W33	110	180	69	2	46	750	1000	1400	120	170	2	6.92
22222		110	200	53	2	408	560	2000	2800	122	188	2	7
22222/W33		110	200	53	2	408	560	2000	2800	122	188	2	7.43
	22222CK	110	200	53	2	408	560	2000	2800	122	188	2	7.43

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Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22222C/W33	22222CK/W33	110	200	53	2	408	560	2000	2800	122	188	2	7
22222CA		110	200	53	2	408	560	2000	2800	122	188	2	7.43
22222CAF3		110	200	53	2	408	560	2000	2800	122	188	2	7.43
22222CA/W33	22222CAK/W33	110	200	53	2	408	560	2000	2800	122	188	2	7.43
23222C/W33	23222CK/W33	110	200	69.8	2.1	518	765	1600	2000	122	188	2	9.7
23222CA/W33	23222CAK/W33	110	200	69.8	2.1	518	765	1600	2000	122	188	2	10.1
23222CA		110	200	69.8	2.1	518	765	1600	2000	122	188	2	10.1
23222CAF3		110	200	69.8	2.1	518	765	1600	2000	122	188	2	10.1
23222CAF3/W33		110	200	69.8	2.1	518	765	1600	2000	122	188	2	10.1
21322C	21322CK	110	240	50	3	460	630	1600	2000	124	226	2.5	12
21322CA	21322CAK	110	240	50	3	460	630	1600	2000	124	226	2.5	13
22322	22322CK	110	240	80	3	725	965	1600	2000	124	226	2.5	18.9
22322C/W33	22322CK/W33	110	240	80	3	725	965	1600	2000	124	226	2.5	18
22322CA	22322CAK	110	240	80	3	725	965	1600	2000	124	226	2.5	18.9
22322CA/W33	22322CAK/W22	110	240	80	3	725	965	1600	2000	124	226	2.5	18.9
22322CAF3	22322CAKF3	110	240	80	3	725	965	1600	2000	124	226	2.5	18.9
23024	23024K	120	180	46	2	305	510	2000	2800	130	170	2	4.19
23024C/W33	23024CK/W33	120	180	46	2	305	510	2000	2800	130	170	2	4.2
	23024CK	120	180	46	2	305	510	2000	2800	130	170	2	4.2
23024CA	23024CAK	120	180	46	2	305	510	2000	2800	130	170	2	4.44
23024CA/W33	23024CAK/W33	120	180	46	2	305	510	2000	2800	130	170	2	4.44
24024C/W33	24024CK30/W33	120	180	60	2	374	670	1600	2000	130	170	2	5.4
24024CA		120	180	60	2	374	670	1600	2000	130	170	2	5.83
24024CA/W33	24024CAK30/W33	120	180	60	2	374	670	1600	2000	130	170	2	5.83
23124C/W33	23124CK/W33	120	200	62	2	374	670	1600	2000	130	190	2	7.8
24124C/W33	24124CK30/W33	120	200	80	2	75	950	900	1200	130	190	2	10
24124CA		120	200	80	2	75	950	900	1200	130	190	2	10.6
24124CA/W33	24124CAK30/W33	120	200	80	2	75	950	900	1200	130	190	2	10.6
24124CAF3		120	200	80	2	75	950	900	1200	130	190	2	10.6

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22224	22224K	120	215	58	2.1	466	670	1900	2600	132	203	2	8.7
22224C/W33	22224CK/W33	120	215	58	2.1	466	670	1900	2600	132	203	2	8.7
22224CA	22224CAK	120	215	58	2.1	466	670	1900	2600	132	203	2	9.76
22224CAF3	22224CAKF3	120	215	58	2.1	466	670	1900	2600	132	203	2	9.68
	22224CAKF3/W33	120	215	58	2.1	466	670	1900	2600	132	203	2	9.68
22224CA/W33	22224CAK/W33	120	215	58	2.1	466	670	1900	2600	132	203	2	9.87
23224C/W33	23224CK/W33	120	215	76	2.1	610	930	1500	1900	132	203	2	12
23224CA		120	215	76	2.1	610	930	1500	1900	132	203	2	12.1
23224CA/W33	23224CAK/W33	120	215	76	2.1	610	930	1500	1900	132	203	2	12.1
23224CAF3/W33	23224CAKF3/W33	120	215	76	2.1	610	930	1500	1900	132	203	2	12.1
22324	22324k	120	260	86	3	845	1120	1400	2800	134	246	2.5	23.8
22324C/W33	22324CK/W33	120	260	86	3	845	1120	1400	2800	134	246	2.5	22
22324CA	22324CAK	120	260	86	3	845	1120	1400	2800	134	246	2.5	22
22324CA/W33	22324CAK/W33	120	260	86	3	845	1120	1400	2800	134	246	2.5	23.3
22324CAF3	22324CAKF3	120	260	86	3	845	1120	1400	2800	134	246	2.5	23.1
	22324CAKF3/W33	120	260	86	3	845	1120	1400	2800	134	246	2.5	22.8
23026C/W33	23026CK/W33	130	200	52	2	374	610	1900	2600	140	190	2	6.1
23026CA	23026CAK	130	200	52	2	374	610	1900	2600	140	190	2	7.04
23026CA/W33	23026CAK/W3	130	200	52	2	374	610	1900	2600	140	190	2	7.04
23026CAF3	23026CAKF3	130	200	52	2	374	610	1900	2600	140	190	2	6.75
23026CAF3/W33	23026CAKF3/W33	130	200	52	2	374	610	1900	2600	140	190	2	6.75
24026C/W33	24026CK30/W33	130	200	69	2	477	815	1500	1900	140	190	2	7.95
24026CA/W33	24026CAK30/W33	130	200	69	2	477	815	1500	1900	140	190	2	8.28
23126C/W33	23126CK/W33	130	210	64	2	489	780	1700	2200	140	200	2	8.55
23126CA	23126CAKF3/W33	130	210	64	2	489	780	1700	2200	140	200	2	10.7
23126CA/W33	23126CAK/W33	130	210	64	2	489	780	1700	2200	140	200	2	10.7
24126C/W33	24126CK30/W33	130	210	80	2	587	1000	900	1200	140	200	2	11
24126CA/W33	24126CAK30/W33	130	210	80	2	587	1000	900	1200	140	200	2	12
22226/W33		130	230	64	3	546	800	1800	2400	144	216	2.5	11
22226C/W33	22226CK/W33	130	230	64	3	546	800	1800	2400	144	216	2.5	11

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22226CA	22226CAK	130	230	64	3	546	800	1800	2400	144	216	2.5	12.4
22226CA/W33	22226CAK/W33	130	230	64	3	546	800	1800	2400	144	216	2.5	12.4
	22226CAKF3	130	230	64	3	546	800	1800	2400	144	216	2.5	12.4
23226C/W33	23226CK/W33	130	230	80	3	690	1060	1300	1700	144	216	2.5	14
23226CA	23226CAK	130	230	80	3	690	1060	1300	1700	144	216	2.5	14
23226CA/W33		130	230	80	3	690	1060	1300	1700	144	216	2.5	14
23226CAF3	23226CAKF3	130	230	80	3	690	1060	1300	1700	144	216	2.5	14
23226CAF3/W33		130	230	80	3	690	1060	1300	1700	144	216	2.5	14
23226CAF3/HAC9SOW20X		130	230	80	3	690	1060	1300	1700	144	216	2.5	14
22326C/W33	22326CK/W33	130	230	93	4	978	1320	1300	1700	148	262	3	28.5
22326CA	22326CAK	130	230	93	4	978	1320	1300	1700	148	262	3	28.5
22326CAF3		130	230	93	4	978	1320	1300	1700	148	262	3	28.5
22326CAF3/W33		130	230	93	4	978	1320	1300	1700	148	262	3	28.5
22326CA/W33	22326CAK/W33	130	230	93	4	978	1320	1300	1700	148	262	3	18.3
22326CAQ1/HA		130	230	93	4	978	1320	1300	1700	148	262	3	18.3
23028C/W33	23028CK/W33	140	210	53	2	397	680	1800	2400	150	200	2	6.55
23028CA	23028CAK	140	210	53	2	397	680	1800	2400	150	200	2	6.55
23028CAF3	23028CAKF3	140	210	53	2	397	680	1800	2400	150	200	2	6.55
23028CA/W33	23028CAK/W33	140	210	53	2	397	680	1800	2400	150	200	2	6.7
24028C/W33	24028CK30/W33	140	210	69	2	495	900	1400	1800	150	200	2	8.45
24028CA/W33	24028CAK30/W33	140	210	69	2	495	900	1400	1800	150	200	2	8.65
23128C/W33	23128CK/W33	140	225	68	2.1	546	900	1600	2000	152	213	2	10.5
23128CA		140	225	68	2.1	546	900	1600	2000	152	213	2	10.9
23128CA/W33	23128CK/W33	140	225	68	2.1	546	900	1600	2000	152	213	2	10.9
24128C/W33	24128CK/W33	140	225	85	2.1	673	1160	850	1100	152	213	2	13
24128CA	24128CAK30/W33	140	225	85	2.1	673	1160	850	1100	152	213	2	13.5
24128CAF3		140	225	85	2.1	673	1160	850	1100	152	213	2	13.5
24128CA/W33	24128CAK/W33	140	225	85	2.1	673	1160	850	1100	152	213	2	13.5
22228C/W33	22228CK/W33	140	250	68	3	610	900	1700	2200	154	236	2.5	14
22228CA	22228CAK	140	250	68	3	610	900	1700	2200	154	236	2.5	16.2

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22228CA/W33	22228CAK/W33	140	250	68	3	610	900	1700	2200	154	236	2.5	16.2
22228CAF3		140	250	68	3	610	900	1700	2200	154	236	2.5	15.6
22228CAF3/W33	22228CAKF3/W33	140	250	68	3	610	900	1700	2200	154	236	2.5	15.6
23228C/W33	23228CK/W33	140	250	88	3	799	1250	1200	1600	154	236	2.5	18.5
23228CA/W33	23228CAK/W33	140	250	88	3	799	1250	1200	1600	154	236	2.5	19.7
23228CAF3/W33		140	250	88	3	799	1250	1200	1600	154	236	2.5	19.3
22328		140	300	102	3.7	1130	1560	1100	1500				
22328C/W33	22328CK/W33	140	300	102	4	1130	1560	1100	1500	158	282	3	34.5
22328CA	22328CAK	140	300	102	4	1130	1560	1100	1500	158	282	3	36.2
22328CA/W33	22328CAK/W33	140	300	102	4	1130	1560	1100	1500	158	282	3	36.2
22328CAF3		140	300	102	4	1130	1560	1100	1500	158	282	3	36.2
22328CAQ1/HA		140	300	102	4	1130	1560	1100	1500	158	282	3	36.2
23030	23030K	150	225	56	2.1	437	750	1700	2200	162	123	2	7.44
23030C/W33	23030CK/W33	150	225	56	2.1	437	750	1700	2200	162	123	2	7.95
23030CA		150	225	56	2.1	437	750	1700	2200	162	123	2	8.01
23030CAF3		150	225	56	2.1	437	750	1700	2200	162	123	2	8.01
23030CA/W33	23030CAK/W33	150	225	56	2.1	437	750	1700	2200	162	123	2	8.01
24030C/W33	24030CK30/W33	150	225	75	2.1	564	1040	1300	1700	162	123	2	10.5
24030CA/W33	24030CAK/W33	150	225	75	2.1	564	1040	1300	1700	162	123	2	9.39
23130/W33		150	250	80	2.1	725	1200	1400	1800	162	238	2	16
23130C/W33	23130CK/W33	150	250	80	2.1	725	1200	1400	1800	162	238	2	16
23130CA	23130CAK	150	250	80	2.1	725	1200	1400	1800	162	238	2	16.5
23130CA/W33	23130CAK/W33	150	250	80	2.1	725	1200	1400	1800	162	238	2	16.5
23130CAF3		150	250	80	2.1	725	1200	1400	1800	162	238	2	16.5
23130CAF3/W33	23130CAF3/W33	150	250	80	2.1	725	1200	1400	1800	162	238	2	16.5
24130C/W33	24130CK30/W33	150	250	100	2.1	897	1530	800	1000	162	238	2	19.5
24130CA/W33	24130CAK30/W33	150	250	100	2.1	897	1530	800	1000	162	238	2	21
22230/W33		150	270	73	3	736	1080	1600	2000	164	256	2.5	18
22230C/W33	22230CK/W33	150	270	73	3	736	1080	1600	2000	164	256	2.5	18
22230CA	22230CAK	150	270	73	3	736	1080	1600	2000	164	256	2.5	18

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22230CAF3		150	270	73	3	736	1080	1600	2000	164	256	2.5	18
22230CA/W33	22230CAK/W33	150	270	73	3	736	1080	1600	2000	164	256	2.5	18.7
23230		150	270	96	3	937	1460	1100	1500	164	256	2.5	24
23230C/W33	23230CK/W33	150	270	96	3	937	1460	1100	1500	164	256	2.5	24
23230CA		150	270	96	3	937	1460	1100	1500	164	256	2.5	24
23230CA/W33	23230CAK/W33	150	270	96	3	937	1460	1100	1500	164	256	2.5	26.6
22330C/W33	22330CK/W33	150	320	108	4	1270	1760	1000	1400	168	302	2	41.5
22330CA	22330CAK	150	320	108	4	1270	1760	1000	1400	168	302	2	42.7
22330CA/W33	22330CAK/W33	150	320	108	4	1270	1760	1000	1400	168	302	2	42.7
	22330CAKF3	150	320	108	4	1270	1760	1000	1400	168	302	2	42.7
23032	23032K	160	240	60	2.1	506	880	1700	2200	172	228	2	8.86
23032C/W33	23032CK/W33	160	240	60	2.1	506	880	1700	2200	172	228	2	9.7
23032CA		160	240	60	2.1	506	880	1700	2200	172	228	2	10
23032CA/W33	23032CAK/W33	160	240	60	2.1	506	880	1700	2200	172	228	2	10
23032CAF3		160	240	60	2.1	506	880	1700	2200	172	228	2	9.97
24032C/W33	24032CK30/W33	160	240	80	2.1	656	1200	1100	1500	172	228	2	13
24032CA/W33	24032CAK/W33	160	240	80	2.1	656	1200	1100	1500	172	228	2	13.2
24032CAF3/W33	24032CAK30F3	160	240	80	2.1	656	1200	1100	1500	172	228	2	13.2
	24032CAK/W33	160	240	80	2.1	656	1200	1100	1500	172	228	2	13.2
23132C/W33	23132CK/W33	160	270	86	2.1	845	1370	1300	1700	172	258	2	20.5
23132CA	23132CAK	160	270	86	2.1	845	1370	1300	1700	172	258	2	21.9
23132CA/W33	23132CAK/W33	160	270	86	2.1	845	1370	1300	1700	172	258	2	21.9
23132CAF3		160	270	86	2.1	845	1370	1300	1700	172	258	2	21.9
24132C/W33	24132CK30/W33	160	270	109	2.1	1040	1760	700	900	172	258	2	25
24132CA/W33	24132CAK30/W33	160	270	109	2.1	1040	1760	700	900	172	258	2	24.6
24132CA/W33X		160	270	109	2.1	1040	1760	700	900	172	258	2	24.6
24132CA/HAC9SOW20X		160	270	109	2.1	1040	1760	700	900	172	258	2	24.6
22232C/W33	22232CK/W33	160	290	80	3	863	1290	1500	1900	174	276	2.5	22.5
22232CA	22232CAK	160	290	80	3	863	1290	1500	1900	174	276	2.5	24.6
22232CA/W33	22232CAK/W33	160	290	80	3	863	1290	1500	1900	174	276	2.5	24.6

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22232CAF3		160	290	80	3	863	1290	1500	1900	174	276	2.5	24.6
23232		160	290	104	3	1070	1660	1000	1400	174	276	2.5	30
23232/W33		160	290	104	3	1070	1660	1000	1400	174	276	2.5	30.2
23232C/W33	23232CK/W33	160	290	104	3	1070	1660	1000	1400	174	276	2.5	30
23232CA	23232CAK	160	290	104	3	1070	1660	1000	1400	174	276	2.5	30.2
23232CA/W33	23232CAK/W33	160	290	104	3	1070	1660	1000	1400	174	276	2.5	30.2
22332		160	340	114	4	1380	1960	950	1300	178	322	3	50
22332C/W33	22332CK/W33	160	340	114	4	1380	1960	950	1300	178	322	3	50
22332CA	22332CAK	160	340	114	4	1380	1960	950	1300	178	322	3	50
22332CA/W33	22332CAK/W33	160	340	114	4	1380	1960	950	1300	178	322	3	52.8
22332CAF3		160	340	114	4	1380	1960	950	1300	178	322	3	52.5
22332CAF3/W33	22332CAKF3/W33	160	340	114	4	1380	1960	950	1300	178	322	3	52.5
23034	23034K	170	260	67	2.1	621	1060	1600	2000	182	248	2	13
23034C/W33	23034CK/W33	170	260	67	2.1	621	1060	1600	2000	182	248	2	13
23034CA	23034CAK	170	260	67	2.1	621	1060	1600	2000	182	248	2	13
23034CA/W33	23034CAK/W33	170	260	67	2.1	621	1060	1600	2000	182	248	2	14.1
23034CAF3		170	260	67	2.1	621	1060	1600	2000	182	248	2	13
24034C/W33	24034CK30/W33	170	260	90	2.1	799	1460	1000	1400	182	248	2	17.5
24034CA/W33	24034CAK30/W33	170	260	90	2.1	799	1460	1000	1400	182	248	2	17.8
23134C/W33	23134CK/W33	170	280	88	2.1	897	1500	1200	1600	182	268	2	21.5
23134CA	23134CAK	170	280	88	2.1	897	1500	1200	1600	182	268	2	26.1
23134CA/W33	23134CAK/W33	170	280	88	2.1	897	1500	1200	1600	182	268	2	26.1
	23134CAKF3	170	280	88	2.1	897	1500	1200	1600	182	268	2	24.6
24134CA/HCW33YA2		170	280	109	2.1	1070	1860	670	850	182	268	2	26.5
24134C/W33	24134CK/W33	170	280	109	2.1	1070	1860	670	850	182	268	2	26.5
24134CA/W33	24134CAK30/W33	170	280	109	2.1	1070	1860	670	850	182	268	2	24.8
22234C/W33	22234CK/W33	170	310	86	4	978	1460	1300	1700	188	292	3	28.5
22234CA	22234CAK	170	310	86	4	978	1460	1300	1700	188	292	3	28.6
22234CA/W33	22234CAK/W33	170	310	86	4	978	1460	1300	1700	188	292	3	28.6
23234C/W33	23234CK/W33	170	310	110	4	1220	1930	950	1300	188	292	3	36.5

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
23234CA		170	310	110	4	1220	1930	950	1300	188	292	3	38
23234CAF3/W33		170	310	110	4	1220	1930	950	1300	188	292	3	38
23234CA/W33	23234CAK/W33	170	310	110	4	1220	1930	950	1300	188	292	3	38
22334C/YA7		170	360	120	4	1540	2160	950	1300	188	342	3	59.7
22334C/W33	22334CK/W33	170	360	120	4	1540	2160	950	1300	188	342	3	58.5
22334CA		170	360	120	4	1540	2160	950	1300	188	342	3	62.6
22334CA/W33	22334CAK/W33	170	360	120	4	1540	2160	950	1300	188	342	3	62.6
23936C/W33	23936CK/W33	180	250	52	2	431	830	1700	2200	190	240	2	8.2
23936CA/W33	23936CAK/W33	180	250	52	2	431	830	1700	2200	190	240	2	9.17
23936CAF3/W33		180	250	52	2	431	830	1700	2200	190	240	2	9.17
23036C/W33	23036CK/W33	180	280	74	2.1	725	1250	1400	1800	192	268	2	17
23036CA		180	280	74	2.1	725	1250	1400	1800	192	268	2	17
23036CAF3		180	280	74	2.1	725	1250	1400	1800	192	268	2	17
23036CA/W33	23036CAK/W33	180	280	74	2.1	725	1250	1400	1800	192	268	2	17.7
24036C/W33	24036CK30/W33	180	280	100	2.1	937	1730	950	1300	192	268	2	23
24036CA		180	280	100	2.1	937	1730	950	1300	192	268	2	26.6
24036CA/W33	24036CAK30/W33	180	280	100	2.1	937	1730	950	1300	192	268	2	26.6
24036CAF3/W33	24036CAK30F3/W33	180	280	100	2.1	937	1730	950	1300	192	268	2	26.6
23136C/W33	23136CK/W33	180	300	96	3	1050	1760	1100	1500	194	286	2.5	27.5
23136CA	23136CAK	180	300	96	3	1050	1760	1100	1500	194	286	2.5	27.1
23136CA/W33	23136CAK/W33	180	300	96	3	1050	1760	1100	1500	194	286	2.5	27.1
23136CAF3		180	300	96	3	1050	1760	1100	1500	194	286	2.5	27.1
24136C/W33	24136CK30/W33	180	300	118	3	1220	2160	630	800	194	286	2.5	33.5
24136CA		180	300	118	3	1220	2160	630	800	194	286	2.5	33
24136CA/W33	24136CAK30/W33	180	300	118	3	1220	2160	630	800	194	286	2.5	33
24136CAQ1		180	300	118	3	1220	2160	630	800	194	286	2.5	33
22236C/W33	22236CK/W33	180	320	86	4	1010	1560	1300	1700	198	302	3	29.5
22236CA	22236CAK	180	320	86	4	1010	1560	1300	1700	198	302	3	29.4
22236CA/W33	22236CAK/W33	180	320	86	4	1010	1560	1300	1700	198	302	3	29.4
22236CAF3	22236CAF3/W33	180	320	86	4	1010	1560	1300	1700	198	302	3	29.4

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22236CAQ1		180	320	86	4	1010	1560	1300	1700	198	302	3	29.4
23236C/W33	23236CK/W33	180	320	112	4	1290	2120	900	1200	198	302	3	39
23236CA	23236CAK/W33	180	320	112	4	1290	2120	900	1200	198	302	3	29.4
23236CA/HCW33		180	320	112	4	1290	2120	900	1200	198	302	3	29.4
23236CA/HCW33YA2		180	320	112	4	1290	2120	900	1200	198	302	3	29.4
23236CAF3	23236CAKF3/W33	180	320	112	4	1290	2120	900	1200	198	302	3	29.4
23236CAF3/W33		180	320	112	4	1290	2120	900	1200	198	302	3	39
23236CA/W33	23236CAK/W33	180	320	112	4	1290	2120	900	1200	198	302	3	38.7
22336C/W33	22236CK/W33	180	380	126	4	1730	2450	900	1200	198	362	3	69
22336CA	22336CAK	180	380	126	4	1730	2450	900	1200	198	362	3	72.2
22336CA/W33	22336CAK/W33	180	380	126	4	1730	2450	900	1200	198	362	3	72.2
22336CAF3/W33		180	380	126	4	1730	2450	900	1200	198	362	3	72.2
23938C/W33	23938CK/W33	190	260	52	2	414	800	1700	2200	200	250	2	8.4
23938CA/W33	23938CAK/W33	190	260	52	2	414	800	1700	2200	200	250	2	9.2
23038		190	290	75	2.1	753	1340	1300	1700	202	278	2	18
23038C/W33	23038CK/W33	190	290	75	2.1	753	1340	1300	1700	202	278	2	18
23038CA/W33	23038CAK/W33	190	290	75	2.1	753	1340	1300	1700	202	278	2	17.3
23038CAF3		190	290	75	2.1	753	1340	1300	1700	202	278	2	18
24038C/W33	24038CK/W33	190	290	100	2.1	978	1800	950	1300	202	278	2	24
24038CA		190	290	100	2.1	978	1800	950	1300	202	278	2	22.9
24038CA/W33	24038CAK30/W33	190	290	100	2.1	978	1800	950	1300	202	278	2	22.9
24038CAF3		190	290	100	2.1	978	1800	950	1300	202	278	2	22.9
23138C/W33	23138CK/W33	190	320	104	3	1200	2080	1000	1400	204	306	2.5	34.5
23138CA		190	320	104	3	1200	2080	1000	1400	204	306	2.5	34.3
23138CA/W33	23138CAK/W33	190	320	104	3	1200	2080	1000	1400	204	306	2.5	34.3
24138C/W33	24138CK30/W33	190	320	128	3	1400	2500	600	750	204	306	2.5	42
24138CA		190	320	128	3	1400	2500	600	750	204	306	2.5	41.9
24138CA/W33	24138CAK30/W33	190	320	128	3	1400	2500	600	750	204	306	2.5	41.9
24138CAF3	24138CAK30/W33	190	320	128	3	1400	2500	600	750	204	306	2.5	41.9
22238		190	340	92	4	1110	1700	1200	1600	208	322	3	37.4

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22238/W33		190	340	92	4	1110	1700	1200	1600	208	322	3	37.4
22238C/W33	22238CK/W33	190	340	92	4	1110	1700	1200	1600	208	322	3	36.5
22238CA/W33	22238CAK/W33	190	340	92	4	1110	1700	1200	1600	208	322	3	37.4
	22238CAK	190	340	92	4	1110	1700	1200	1600	208	322	3	37.4
22238CAF3	22238CAKF3	190	340	120	4	1460	2400	850	1100	208	322	3	47.5
23238C/W33	23238CK/W33	190	340	120	4	1460	2400	850	1100	208	322	3	47.5
23238CA		190	340	120	4	1460	2400	850	1100	208	322	3	44.8
23238CA/W33	23238CAK/W33	190	340	120	4	1460	2400	850	1100	208	322	3	44.8
22338		190	400	132	5	1870	2650	850	1100	212	378	4	80.8
22338C/W33	22338CK/W33	190	400	132	5	1870	2650	850	1100	212	378	4	80
22338CA		190	400	132	5	1870	2650	850	1100	212	378	4	82.2
22338CA/W33	22338CAK/W33	190	400	132	5	1870	2650	850	1100	212	378	4	82.2
22338CAF3		190	400	132	5	1870	2650	850	1100	212	378	4	82.2
23940C/W33	23940CK/W33	200	280	60	2.1	546	1040	1600	2000	212	268	2	11.5
23940CA/W33	23940CAK/W33	200	280	60	2.1	546	1040	1600	2000	212	268	2	12.1
23940CAF3/W33		200	280	60	2.1	546	1040	1600	2000	212	268	2	12.1
23040C/W33	23040CK/W33	200	310	82	2.1	880	1530	1200	1600	212	298	2	23
23040CA	23040CAK	200	310	82	2.1	880	1530	1200	1600	212	298	2	22.6
23040CA/W33	23040CAK/W33	200	310	82	2.1	880	1530	1200	1600	212	298	2	22.6
24040C/W33	24040CK/30W33	200	310	109	2.1	1130	2120	900	1200	212	298	2	30.5
24040C/W33	24040CAK30/W33	200	310	109	2.1	1130	2120	900	1200	212	298	2	31.3
23140C/W33	23140CDK/W33	200	340	112	3	1380	2360	950	1300	214	326	2.5	42.5
23140CA	23140CAK	200	340	112	3	1380	2360	950	1300	214	326	2.5	43.8
23140C/W33	23140CAK/W33	200	340	112	3	1380	2360	950	1300	214	326	2.5	43.8
24140C/W33	24140CK30/W33	200	340	140	3	1580	2600	560	700	214	326	2.5	52
24140C/W33	24140CAK30/W33	200	340	140	3	1580	2600	560	700	214	326	2.5	52.1
22240		200	360	98	4	1270	1930	1100	1500	218	342	3	43.5
22240C/W33	22240CK/W33	200	360	98	4	1270	1930	1100	1500	218	342	3	43.5
22240CA	22240CAK	200	360	98	4	1270	1930	1100	1500	218	342	3	44.7
22240C/W33	22240CAK/W33	200	360	98	4	1270	1930	1100	1500	218	342	3	44.7

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22240CAF3	22240CAKF3	200	360	98	4	1270	1930	1100	1500	218	342	3	44.7
23240C/W33	23240CK/W33	200	360	128	4	1610	2700	850	1100	218	342	3	57
23240C/W33	22340CAK/W33	200	360	128	4	1610	2700	850	1100	218	342	3	53.4
	23240CAK	200	360	128	4	1610	2700	850	1100	218	342	3	53.4
22340C/W33	22340CK/W33	200	420	138	5	2020	2900	850	1100	222	398	4	92.5
22340CA	22340CAK	200	420	138	5	2020	2900	850	1100	222	398	4	97
22340CA/W33	22340CAK/W33	200	420	138	5	2020	2900	850	1100	222	398	4	97
22340CAF3		200	420	138	5	2020	2900	850	1100	222	398	4	97
23340CAF3		200	420	165	5	2020	3500	750	950	222	398	4	97
23044CA/YA2		219.5	340	90	3	935	1900	1100	1500	234	326	2.5	31.5
23044C/W33	23944CK/W33	220	300	60	2.1	546	1080	1500	1900	232	288	2	13
23944C/W33	23944CAK/W33	220	300	60	2.1	546	1080	1500	1900	232	288	2	13
23044C/W33	23044CDK/W33	220	340	90	3	1050	1860	1100	1500	234	326	2.5	30.5
23044CA	23044CAK	220	340	90	3	1050	1860	1100	1500	234	326	2.5	31.6
23044CA/W33	23044CAK/W33	220	340	90	3	1050	1860	1100	1500	234	326	2.5	61.6
	23044CAKF3	220	340	90	3	1050	1860	1100	1500	234	326	2.5	61.6
24044C/W33	24044CK30/W33	220	340	118	3	160	2600	850	1100	234	326	2.5	39.5
24044CA/W33	24044CAK30/W33	220	340	118	3	160	2600	850	1100	234	326	2.5	39.1
24044CAF3		220	340	118	3	160	2600	850	1100	234	326	2.5	39.1
24044CAF3/W33		220	340	118	3	160	2600	850	1100	234	326	2.5	39.1
24044CAF3/W33X		220	340	118	3	160	2600	850	1100	234	326	2.5	39.1
23144C/W33	23144CK/W33	220	370	120	4	1580	2750	900	1200	238	352	3	53
23144CA	23144CAK	220	370	120	4	1580	2750	900	1200	238	352	3	53.1
23144CA/W33	23144CAK/W33	220	370	120	4	1580	2750	900	1200	238	352	3	53.1
23144CA/HG3W33	23144CAKF3/W33	220	370	120	4	1580	2750	900	1200	238	352	3	54.6
24144C/W33	24144CAK/W33	220	370	150	4	1840	3350	500	630	238	352	3	65
24144CA/W33	24144CAK/W33	220	370	150	4	1840	3350	500	630	238	352	3	
22244C/W33	22244CK/W33	220	400	108	4	1520	2360	950	1300	238	382	3	60.5
22244CA	22244CAK	220	400	108	4	1520	2360	950	1300	238	382	3	60.5

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
22244CA/W33X		220	400	108	4	1520	2360	950	1300	238	382	3	60.5
22244CAF3		220	400	108	4	1520	2360	950	1300	238	382	3	60.5
22244CA/W33	22244CAK/W33	220	400	108	4	1520	2360	950	1300	238	382	3	63.5
22344C/W33	22334CK/W33	220	460	145	5	1350	3450	750	950	242	438	4	120
22344CA/W33	22344CAK/W334	220	460	145	5	1350	3450	750	950	242	438	4	123
23244CA/W33	23244CAK/W33	220	400	144	4	1720	3200	750	950	238	382	3	77.3
23948C/W33	23948CK/W33	240	320	60	2.1	564	1160	1300	1700	252	308	2	14
23948CA/W33	23948CAK/W33	240	320	60	2.1	564	1160	1300	1700	252	308	2	15
23948CAF3		240	320	60	2.1	564	1160	1300	1700	252	308	2	15
23948CAF3/W33		240	320	60	2.1	564	1160	1300	1700	252	308	2	15
23048C/W33	23048CK/W33	240	360	92	3	1130	2080	1000	1400	254	346	2.5	33.5
23048CA	23048CAK	240	360	92	3	1130	2080	1000	1400	254	346	2.5	34.2
23048CA/W33	23048CAK/W33	240	360	92	3	1130	2080	1000	1400	254	346	2.5	34.2
23048CAQ1		240	360	92	3	1130	2080	1000	1400	254	346	2.5	34.2
24048C/W33	24048CK/W33	240	360	118	3	1380	2700	800	1000	254	346	2.5	42.5
24048CA	24048CAK30	240	360	118	3	1380	2700	800	1000	254	346	2.5	46.5
24048CA/W33X		240	360	118	3	1380	2700	800	1000	254	346	2.5	46.5
24048CA/W33	24048CAK30/W33	240	360	118	3	1380	2700	800	1000	254	346	2.5	46.5
23148C/W33	23148CK/W33	240	400	128	4	1790	3200	850	1100	258	382	3	65.5
23148CA		240	400	128	4	1790	3200	850	1100	258	382	3	68.2
23148CA/W33	23148CAK/W33	240	400	128	4	1790	3200	850	1100	258	382	3	68.2
24148C/W33	24148CK30/W33	240	400	160	4	2100	3900	480	600	258	382	3	80.5
24148CA	24148CAK30F3/W33	240	400	160	4	2100	3900	480	600	258	382	3	79
24148CA/W33	24148CAK30/W33	240	400	160	4	2100	3900	480	600	258	382	3	79
22248C/W33	22248CK/W33	240	440	160	4	1910	3000	900	1200	258	422	3	83
22248CA/W33	22248CAK/W33	240	440	160	4	1910	3000	900	1200	258	422	3	
22248CAF3/C9W33		240	440	160	4	1910	3000	900	1200	258	422	3	
22248CAF3/W33		240	440	160	4	1910	3000	900	1200	258	422	3	
23248C/W33	23248CK/W33	240	440	160	4	2530	4300	670	850	258	422	3	
23248CA/W33	23248CAK/W33	240	440	160	4	2530	4300	670	850	258	422	3	

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
23248CAF3		240	440	160	4	2530	4300	670	850	258	422	3	
23048CAQY/YA2		241	360	92	3	985	2080	1000	1400	254	346	2.5	34
23952C/W33	23952CAK/W33	260	360	75	2.1	880	1800	1100	1500	272	348	2	24
23952CA		260	360	75	2.1	880	1800	1100	1500	272	348	2	21.6
23952CA/W33	23952CAK/W33	260	360	75	2.1	880	1800	1100	1500	272	348	2	21.6
23052C/W33	23052CK/W33	260	400	104	4	1400	2550	900	1200	278	382	3	48.5
23052CA	23052CAK	260	400	104	4	1400	2550	900	1200	278	382	3	49.8
23052CA/W33	23052CAK/W33	260	400	104	4	1400	2550	900	1200	278	382	3	49.8
23052CAF3		260	400	104	4	1400	2550	900	1200	278	382	3	49.8
24052C/W33	24052CK/W33	260	400	104	4	1760	3450	700	900	278	382	3	64.5
24052CA/W33	24052CAK/W33	260	400	104	4	1760	3450	700	900	278	382	3	66.7
24052CAF3		260	400	104	4	1760	3450	700	900	278	382	3	66.7
24052CAF3/W33		260	400	104	4	1760	3450	700	900	278	382	3	66.7
	24052CAK30/W33	260	400	104	4	1760	3450	700	900	278	382	3	66.7
23152C/W33	23152CK/W33	260	440	144	4	2220	3900	800	1000	278	422	3	90.5
23152CA	23152CAK	260	440	144	4	2220	3900	800	1000	278	422	3	88.9
23152CA/W33	23152CAK/W33	260	440	144	4	2220	3900	800	1000	278	422	3	88.9
	24152CK30/W33	260	440	144	4	2220	3900	800	1000	278	422	3	88.9
24152C/W33		260	440	180	4	2620	4800	430	530	278	422	3	110
24152CA	24152CAK	260	440	180	4	2620	4800	430	530	278	422	3	115
24152CA/W33		260	440	180	4	2620	4800	430	530	278	422	3	115
24152CAF3/W33	23252CAK/W33	260	440	180	4	2620	4800	430	530	278	422	3	115
22252CA		260	480	130	5	2280	3600	850	1100	278	458	4	106
22252CA/W33		260	480	130	5	2280	3600	850	1100	282	458	4	106
23252CAF3/W33	23252CAK/W33	260	480	174	5	2800	4750	630	800	282	458	4	145
23252CAF3/W33	23252CAKL/W33	260	480	174	5	2800	4750	630	800	282	458	4	145
22352CAF3/W33	22352CAKF3/W33	260	540	165	6	3000	4700	630	800	282	458	5	184
23956C/W33	23956CK/W33	280	380	75	2.1	845	1760	1000	1400	292	368	2	26

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
23956CA/W33	23956CAK/W33	280	380	75	2.1	845	1760	1000	1400	292	368	2	25.7
23956CAQ1/W33		280	380	75	2.1	845	1760	1000	1400	292	368	2	25.7
23056C/W33	23056CK/W33	280	420	106	4	1520	2850	850	1100	298	402	3	52.5
23056CA	23056CAK	280	420	106	4	1520	2850	850	1100	298	402	3	56.8
23056CA/W33	23056CAK/W33	280	420	106	4	1520	2850	850	1100	298	402	3	56.8
24056C/W33	24056CK30/W33	280	420	140	4	1870	3800	6700	850	298	402	3	68.5
24056CA/W33	24056CAK30/W33	280	420	140	4	1870	3800	6700	850	298	402	3	69.2
24056CAF3		280	420	140	4	1870	3800	6700	850	298	402	3	69.2
24056CAF3/W33	24056CAK30/W33	280	420	140	4	1870	3800	6700	850	298	402	3	69.2
23156CA	23156CAK	280	460	146	5	1990	4150	750	950	302	438	4	104
23156CA/W33	23156CAK/W33	280	460	146	5	1990	4150	750	950	302	438	4	101
23156CAF3	23156CAKF3	280	460	146	5	1990	4150	750	950	302	438	4	103
23156X2CA		280	460	146	5	1990	4150	750	950	302	438	4	87
24156CA		280	460	180	5	2220	4750	400	500	302	438	4	119
24156CA/W33		280	460	180	5	2220	4750	400	500	302	438	4	119
24156CA/HCW33		280	460	180	5	2220	4750	400	500	302	438	4	119
22256CA	22256CAK/W33	280	500	130	5	1990	3600	800	1000	302	478	4	118
22256CAF3		280	500	130	5	1990	3600	800	1000	302	478	4	118
23256CA		280	500	176	5	2580	5100	600	750	302	478	4	147
23256CAF3		280	500	176	5	2580	5100	600	750	302	478	4	146
23256CAF3/W33		280	500	176	5	2580	5100	600	750	302	478	4	146
22356CA/W33		280	580	175	6	3200	5700	600	750	308	552	5	221
23960C/W33	23960CK/W33	300	420	90	3	1200	2500	950	1300	314	406	2.5	40.5
23960CA/W33	23960CAK/W33	300	420	90	3	1200	2500	950	1300	314	406	2.5	40.1
23060CAF3/W33		300	460	118	4	1610	3450	800	1000	318	442	3	74.9
	23060CAK	300	460	118	4	1610	3450	800	1000	318	442	3	73.6
	23060CAK/W33	300	460	118	4	1610	3450	800	1000	318	442	3	73.6
24060CA		300	460	160	4	2020	2700	600	700	318	442	3	99
24060CA/W33		300	460	160	4	2020	2700	600	700	318	442	3	99
23160CA		300	500	160	5	2310	4750	670	850	322	478	4	126

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
23160CAF3	23160CAKF3	300	500	160	5	2310	4750	670	850	322	478	4	125
23160CAF3/C9W33		300	500	160	5	2310	4750	670	850	322	478	4	125
231060CA/W33	23160CAK/W33	300	500	160	5	2310	4750	670	850	322	478	4	125
22260CA		300	540	140	5	2310	4300	750	950	322	518	4	138
22260CAF3	22260CAKF3	300	540	140	5	2310	4300	750	950	322	518	4	138
23260CAF1	23260CAKF1/W33	300	540	140	5	2310	4300	750	950	322	518	4	192
23064CAF3/W33	23064CAK/W33	320	480	121	4	1930	2200	800	1000	338	462	3	84.7
24064CAF3		320	480	160	4	2480	5100	560	700	338	462	3	106
24064CAF3/W33		320	480	160	4	2480	5100	560	700	338	462	3	106
23164CA		320	540	176	5	3150	3200	630	800	342	518	4	200
23164CA/W33		320	540	176	5	3150	3200	630	800	342	518	4	
	23164CAK	320	540	176	5	3150	3200	630	800	342	518	4	195
	23164CAK/W33	320	540	176	5	3150	3200	630	800	342	518	4	295
22264CA	22264CAK	320	580	150	5	2490	4550	670	850	342	558	4	175
22264CA/W33		320	580	208	5	3900	6800	500	630	342	558	4	253
23264CAF3/W33		320	580	208	5	3900	6800	500	630	342	558	4	253
23264CAF3	23264CAKF3/W33	320	580	208	5	3900	6800	500	630	342	558	4	252
23968CAF3/W33		340	460	90	3	1200	2700	900	1200	354	446	2.5	45.6
23068CA		340	520	133	5	1980	4400	700	900	362	498	4	115
23068CA/W33		340	520	133	5	1980	4400	700	900	362	498	4	115
23068CAF3		340	520	133	5	1980	4400	700	900	362	498	4	114
23068CAF3/W33		340	520	133	5	1980	4400	700	900	362	498	4	114
	23068CAKF3	340	520	133	5	1980	4400	700	900	362	498	4	111
	23068CAF3/W33	340	520	133	5	1980	4400	700	900	362	498	4	111
24068CA/W33		340	520	180	5	2460	5700	530	670	362	498	4	137
24068CAF1/W33		340	520	180	5	2460	5700	530	670	362	498	4	137
	24068CAK30F1	340	520	180	5	2460	5700	530	670	362	498	4	134
23168CA/W33		340	580	190	5	3050	6300	600	750	362	558	4	211
23168CAF3/W33	23168CAKF3/W33	340	580	190	5	3050	6300	600	750	362	558	4	211

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
	24168CAK30/W33	340	580	234	5	3700	7950	320	400	362	558	4	256
23972CA		360	480	90	3	1290	2820	850	1100	374	466	2.5	46.6
23072CA		360	540	134	5	2280	4800	670	850	382	518	4	126
23072CA/W33		360	540	134	5	2280	4800	670	850	382	518	4	126
23072CAF3		360	540	134	5	2280	4800	670	850	382	518	4	126
23072CAF3/W33	23072CAKF3/W33	360	540	134	5	2280	4800	670	850	382	518	4	126
23172CA		360	600	192	5	3250	6850	560	700	382	578	4	255
24172CA		360	600	243	5	5600	8400	300	380	382	578	4	270
24172CA/W33		360	600	243	5	5600	8400	300	380	382	578	4	270
24172CAF1		360	600	243	5	5600	8400	300	380	382	578	4	269
24172CAF1/W33		360	600	243	5	5600	8400	300	380	382	578	4	269
	24172CAL30/W33	360	600	243	5	5600	8400	300	380	382	578	4	270
	24172CAK30F1/W33	360	600	243	5	5600	8400	300	380	382	578	4	270
	23272CAKF3/W33	360	650	232	6	4650	8300	400	500	388	622	5	330
22372CAF3	22372CAKF3	360	750	224	7.5	4900	8600	400	500	392	720	6	466
	22372CAK	360	750	224	7.5	4900	8600	400	500	392	720	6	460
23976CAKF1/W33		380	520	106	4	1730	3800	800	1000	398	502	3	69.5
23076CA	23076CAKF3	380	560	135	5	2480	5000	630	800	402	538	4	130
	24076CAK30F3/W33	380	560	180	5	3150	6900	480	600	402	538	4	153
	23176CAK	380	620	194	5	3400	7350	400	500	402	598	4	244
23176CAF3/W33	23176CAKF3/W33	380	620	194	5	3400	7350	400	500	402	598	4	244
23176CAF3/HAW33		380	620	194	5	3400	7350	400	500	402	598	4	244
23980CAF1/W33		400	540	106	4	2540	3900	750	950	418	522	3	72.4
23080CA		400	600	148	5	2540	5900	600	750	422	578	4	161
23080CAF3	23080CAKF3	400	600	148	5	1730	5900	600	750	422	578	4	161
23080CAF3/W33		400	600	148	5	1730	5900	600	750	422	578	4	161
24080CAF3		400	600	200	5	3600	7800	450	560	422	578	4	202
24080CAF3/W33		400	600	200	5	3600	7800	450	560	422	578	4	202

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
23180CA		400	650	200	6	4100	7650	380	480	428	622	5	275
23180CA/W33		400	650	200	6	4100	7650	380	480	428	622	5	275
23080CAF3		400	650	200	6	4100	7650	380	480	428	622	5	273
23180CAF3/W33	23180CAKF3/W33	400	650	200	6	4100	7650	380	480	428	622	5	264
23180X3CA/W33		400	670	216	6	4000	8550	380	480	428	622	5	293
23280CA/W33		400	720	256	6	6150	11300	340	430	428	692	5	353
23280CAF3/W33		400	720	256	6	6150	11300	340	430	428	692	5	353
23084CA		420	620	150	5	2700	6400	450	560	442	598	4	149
23048CAF3	23048CAKF3	420	620	150	5	2700	6400	450	560	442	598	4	149
23048CAF3/W33		420	620	150	5	2700	6400	450	560	442	598	4	149
23084CA/W33		420	620	200	5	3350	8450	380	480	422	598	4	202
23084CAF3/W33		420	620	200	5	3350	8450	380	480	422	598	4	202
	24084CAK30F3/W33X	420	620	200	5	3350	8450	380	480	422	598	4	197
23184CAF3	23184CAK	420	700	224	6	4250	9200	360	450	448	672	5	353
23284CA/W33	23284CAK/W33	420	760	272	7.5	5610	11900	320	400	456	724	6	550
23284CAF3/C9W33		420	760	272	7.5	5610	11900	320	400	456	724	6	549
23088CAF3	23088CAKF3	440	650	157	6	2780	6500	430	530	468	622	5	185
23088CAF3/W33		440	650	157	6	2780	6500	430	530	468	622	5	179
23188CA		440	720	226	6	4500	10000	340	430	468	622	5	378
23092CAF3/W33	23092CAKF3	460	680	163	6	3450	6950	400	500	488	652	5	226
24092CAF3/W33		460	680	218	6	4200	9100	340	430	488	652	5	304
23192CAF3	23192CAKF3/W33	460	760	240	7.5	5500	10000	320	400	496	724	6	457
24192CA/W33		460	760	300	7.5	6100	14400	160	200	496	724	6	459
	23292CAKF3/W33	460	830	296	7.5	7350	13500	300	380	496	794	6	698
23896CA		480	600	90	3	1290	4000	450	600	500	580	3	60.4
23996CAF1/W33		480	650	128	5	2150	5750	400	500	502	628	4	125
23196CAF1/W33	23196CAKF1/W33X	480	790	348	7.5	6100	12000	300	380	516	754	6	516

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
	2396CAKF3	480	870	310	7.5	6750	15200	260	340	516	734	6	853
239/500CAF1		500	670	128	5	2530	6000	400	500	522	648	4	120
230/500CAF3/HAW33X		500	720	167	5	3150	7650	380	480	528	692	5	228
232/500CAF3/W33		500	920	336	7.5	8600	18600	280	360	536	884	6	985
230/530CA		530	780	185	6	3900	9650	340	430	558	752	5	339
530/530CA/W33X		530	780	185	6	3900	9650	340	430	558	752	5	339
230/530CAF3		530	780	185	6	3900	9650	340	430	558	752	5	335
230/530CAF3/W33		530	780	185	6	3900	9650	340	430	558	752	5	335
239/560CAF1		560	750	140	5	3050	7200	340	430	582	728	4	177
230/560CA	230/560CAF3	560	820	195	6	4300	10500	320	410	588	792	5	363
230/560CAF3/W33		560	820	195	6	4300	10500	320	410	588	792	5	360
231560CA/W33	231/560CAK/W33	560	920	280	7.5	6900	15700	240	320	596	884	6	756
231560CAF3/W33	231/560CAKF3/W33	560	920	280	7.5	6900	15700	240	320	596	884	6	754
230/600CAF3	230/600CAKF3	600	870	200	6	4700	11600	300	380	628	842	5	422
230/600CAF3/W33		600	870	200	6	4700	11600	300	380	628	842	5	430
241/600CA		600	980	375	7.5	8800	21600	100	150	636	944	6	1140
230/630CAF3		630	920	212	7.5	5150	12800	260	340	666	884	6	471
237/750CAF3		670	980	230	7.5	5730	14200	240	320	706	944	6	601
230/750CA		750	1090	250	7.5	700	17900	200	280	786	1054	6	789
230/750CAF3		750	1090	250	7.5	700	17900	200	280	786	1054	6	789
240/800CAF1		800	1150	345	7.5	10300	24600	170	220	836	1114	6	1092
230/850CAF1	230/850CAKF1	850	1220	272	7.5	8450	2250	180	240	886	1184	6	1074

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Bearing numbers		Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
Cylindrical hole	Tapered hole	d	D	B	r	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	Cylindrical hole
240/850CAF1/W33X		850	1220	365	7.5	10400	29700	160	200	886	1184	6	1410
240/850CAF1		850	1220	365	7.5	10400	29700	160	200	886	1184	6	1410
	239/1180CAK	1180	1540	272	7.5	8350	29600	110	150	1216	1526	8	1350
	2391180CAKF1/W33X	1180	1540	272	7.5	8350	29600	110	150	1216	1526	8	1350
230/1180CAF1/W33X		1180	1660	355	9.5	9350	29600	110	150	1240	1600	6	2460