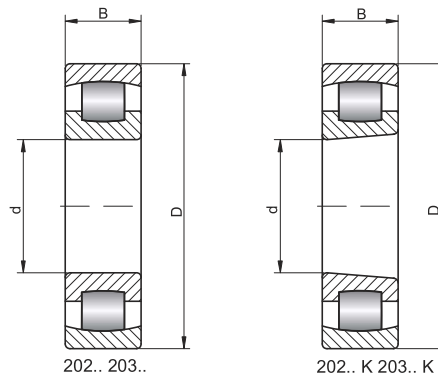


7. SPHERICAL ROLLER BEARINGS

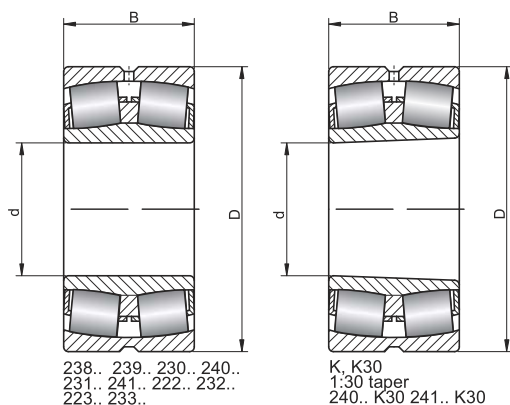
7.1. Single-row and double-row spherical roller bearings



20 – 50 mm



d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
20	20204 C	2	0	-	-	20	47	14	0,114	20,4	19,3
	20304 C	3	0	-	-	20	52	15	0,152	27	24,5
	21304 C	3	0	-	-	20	52	15	0,16	34,4	33,6
25	20205 C	2	0	-	-	25	52	15	0,134	24	25
	20205 KC	2	0	H205	-	25	52	15	0,145	24	25
	22205 CW33	2	2	-	-	25	52	18	0,18	43,1	44
	22205 KCW33	2	2	H305	-	25	52	18	0,163	43,1	44
	20305 C	3	0	-	-	25	62	17	0,243	36	34,5
	21305 CW33	3	0	-	-	25	62	17	0,25	41,4	41,5
30	20206 C	2	0	-	-	30	62	16	0,207	27,5	28,5
	20206 KC	2	0	H206	-	30	62	16	0,228	27,5	28,5
	22206 CW33	2	2	-	-	30	62	20	0,28	48,9	52
	22206 KCW33	2	2	H306	-	30	62	20	0,26	48,9	52
	20306 C	3	0	-	-	30	72	19	0,37	49	49
	21306 CW33	3	0	-	-	30	72	19	0,38	55,2	61
	21306 KCW33	3	0	H306	-	30	72	19	0,38	55,2	61
35	20207 C	2	0	-	-	35	72	17	0,335	40,5	43
	20207 KC	2	0	H207	-	35	72	17	0,301	40,5	43
	22207 CW33	2	2	-	-	35	72	23	0,43	67,3	73,5
	22207 KCW33	2	2	H307	-	35	72	23	0,405	67,3	73,5
	20307 C	3	0	-	-	35	80	21	0,493	58,5	61
	21307 CW33	3	0	-	-	35	80	21	0,51	65,6	72
	21307 KCW33	3	0	H307	-	35	80	21	0,502	65,6	72
	22307 CW33	3	2	-	-	35	80	31	0,75	105	107
	22307 KCW33	3	2	H2307	-	35	80	31	0,733	105	107
40	20208 C	2	0	-	-	40	80	18	0,386	49	53
	20208 KC	2	0	H208	-	40	80	18	0,389	49	53
	22208 CW33	2	2	-	-	40	80	23	0,52	73,6	81,5
	22208 KCW33	2	2	H308	AH308	40	80	23	0,487	73,6	81,5
	20308 C	3	0	-	-	40	90	23	0,671	76,5	81,5
	21308 CW33	3	0	-	-	40	90	23	0,71	82,8	98
	21308 KCW33	3	0	H308	AH308	40	90	23	0,706	82,8	98
	22308 CW33	3	2	-	-	40	90	33	1	115	122
	22308 KCW33	3	2	H2308	AH2308	40	90	33	0,984	115	122
45	20209 C	2	0	-	-	45	85	19	0,441	52	57
	20209 KC	2	0	H209	-	45	85	19	0,483	52	57
	22209 CW33	2	2	-	-	45	85	23	0,56	77,1	88
	22209 KCW33	2	2	H309	AH309	45	85	23	0,57	77,1	88
	20309 C	3	0	-	-	45	100	25	0,914	86,5	95
	21309 CW33	3	0	-	-	45	100	25	0,95	101	114
	21309 KCW33	3	0	H309	AH309	45	100	25	0,947	101	114
	22309 CW33	3	2	-	-	45	100	36	1,35	138	160
	22309 KCW33	3	2	H2309	AH2309	45	100	36	1,36	138	160
50	20210 C	2	0	-	-	50	90	20	0,499	58,5	68
	20210 KC	2	0	H210	-	50	90	20	0,49	58,5	68
	22210 CW33	2	2	-	-	50	90	23	0,6	84,5	100
	22210 KCW33	2	2	H310	AH310	50	90	23	0,582	84,5	100
	20310 C	3	0	-	-	50	110	27	1,17	108	118
	21310 CW33	3	0	-	-	50	110	27	1,2	120	140
	21310 KCW33	3	0	H310	AH310	50	110	27	1,21	120	140
	22310 CW33	3	2	-	-	50	110	40	1,85	176	200



Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
5500	7250	↻	↻	↻	↻	↻	20204 C
5000	6750	↻	↻	↻	↻	↻	20304 C
7000	9500	↻	↻	↻	↻	↻	21304 C
5000	6500	↻	↻	↻	↻	↻	20205 C
5000	6500	↻	↻	↻	↻	↻	20205 KC
8500	11000	⊕	⊕	⊕	⊕	⊕	22205 CW33
8500	11000	⊕	⊕	↻	⊕	⊕	22205 KCW33
4500	5750	↻	↻	↻	↻	↻	20305 C
6700	8500	⊕	↻	↻	⊕	⊕	21305 CW33
4000	5500	↻	↻	↻	↻	↻	20206 C
4000	5500	↻	↻	↻	↻	↻	20206 KC
7500	9500	⊕	⊕	↻	⊕	⊕	22206 CW33
7500	9500	⊕	⊕	↻	⊕	⊕	22206 KCW33
3750	4750	⊕	↻	↻	↻	↻	20306 C
6000	7500	⊕	↻	↻	⊕	⊕	21306 CW33
6000	7500	⊕	↻	↻	⊕	⊕	21306 KCW33
3500	4750	↻	↻	↻	↻	↻	20207 C
3500	4750	↻	↻	↻	↻	↻	20207 KC
6300	8000	⊕	⊕	↻	⊕	⊕	22207 CW33
6300	8000	⊕	⊕	↻	⊕	⊕	22207 KCW33
3250	4500	↻	↻	↻	↻	↻	20307 C
5300	6700	⊕	↻	↻	⊕	⊕	21307 CW33
5300	6700	⊕	↻	↻	⊕	⊕	21307 KCW33
5100	6700	⊕	↻	↻	⊕	⊕	22307 CW33
5100	6700	⊕	↻	↻	⊕	⊕	22307 KCW33
3250	4250	↻	↻	↻	↻	↻	20208 C
3250	4250	↻	↻	↻	↻	↻	20208 KC
6000	7500	⊕	⊕	↻	⊕	⊕	22208 CW33
6000	7500	⊕	⊕	↻	⊕	⊕	22208 KCW33
3000	4000	↻	↻	↻	↻	↻	20308 C
4500	5600	⊕	↻	↻	⊕	⊕	21308 CW33
4500	5600	⊕	↻	↻	⊕	⊕	21308 KCW33
4500	5600	⊕	↻	↻	⊕	⊕	22308 CW33
4500	5600	⊕	↻	↻	⊕	⊕	22308 KCW33
3000	4000	↻	↻	↻	↻	↻	20209 C
3000	4000	↻	↻	↻	↻	↻	20209 KC
5300	6700	⊕	⊕	↻	⊕	⊕	22209 CW33
5300	6700	⊕	⊕	↻	⊕	⊕	22209 KCW33
2750	3500	↻	↻	↻	↻	↻	20309 C
4300	5300	⊕	↻	↻	⊕	⊕	21309 CW33
4300	5300	⊕	↻	↻	⊕	⊕	21309 KCW33
3800	4800	⊕	↻	↻	⊕	⊕	22309 CW33
3800	4800	⊕	↻	↻	⊕	⊕	22309 KCW33
2750	3500	↻	↻	↻	↻	↻	20210 C
2750	3500	↻	↻	↻	↻	↻	20210 KC
5000	6300	⊕	⊕	↻	⊕	⊕	22210 CW33
5000	6300	⊕	⊕	↻	⊕	⊕	22210 KCW33
2500	3250	↻	↻	↻	↻	↻	20310 C
3600	4800	⊕	↻	↻	⊕	⊕	21310 CW33
3600	4800	⊕	↻	↻	⊕	⊕	21310 KCW33
3400	4300	⊕	↻	↻	⊕	⊕	22310 CW33

* Other products also available

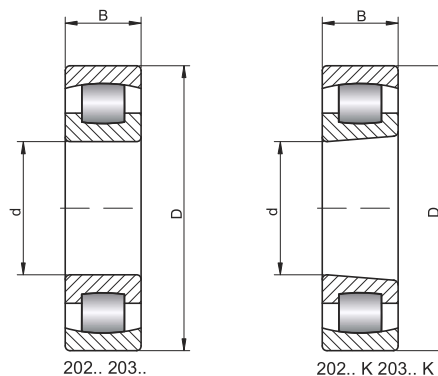


7. SPHERICAL ROLLER BEARINGS

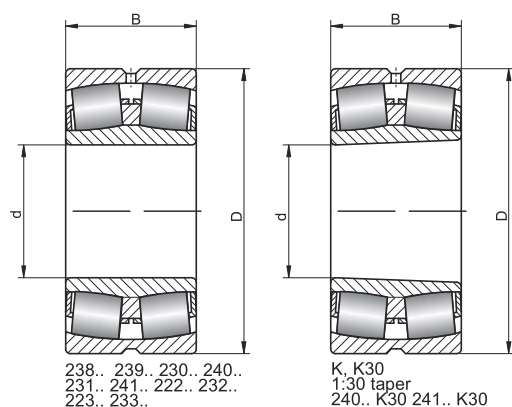
7.1. Single-row and double-row spherical roller bearings



50 – 80 mm



d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
50 cont.	22310 KCW33	3	2	H2310	AH310	50	110	40	1,7	176	200
55	20211 C	2	0	-	-	55	100	21	0,653	73,5	85
	20211 KC	2	0	H211	-	55	100	21	0,78	73,5	85
	22211 CW33	2	2	-	-	55	100	25	0,82	99,5	118
	22211 KCW33	2	2	H311	AH311	55	100	25	0,8	99,5	118
	20311 C	3	0	-	-	55	120	29	1,53	120	137
	20311 KC	3	0	H311	-	55	120	29	1,64	120	137
	21311 CW33	3	0	-	-	55	120	29	1,6	138	163
	21311 KCW33	3	0	H311	AH311	55	120	29	1,55	138	163
	22311 CW33	3	2	-	-	55	120	43	2,35	199	232
	22311 KCW33	3	2	H2311	AH311	55	120	43	2,02	199	232
60	20212 C	2	0	-	-	60	110	22	0,836	85	100
	20212 KC	2	0	H212	-	60	110	22	0,93	85	100
	22212 CW33	2	2	-	-	60	110	28	1,1	122	146
	22212 KCW33	2	2	H312	AH312	60	110	31	1	122	146
	20312 C	3	0	-	-	60	130	31	1,92	146	170
	20312 KC	3	0	H312	-	60	130	31	2	146	170
	21312 CW33	3	0	-	-	60	130	31	1,95	161	200
	21312 KCW33	3	0	H312	AH312	60	130	31	1,93	161	200
	22312 CW33	3	2	-	-	60	130	46	2,9	235	280
	22312 KCW33	3	2	H2312	AH2312	60	130	46	2,8	235	280
65	20213 C	2	0	-	-	65	120	23	1,08	95	116
	20213 KC	2	0	H213	-	65	120	23	1,19	95	116
	22213 CW33	2	2	-	-	65	120	31	1,45	176	216
	22213 KCW33	2	2	H313	AH313	65	120	31	1,27	176	216
	20313 C	3	0	-	-	65	140	33	2,18	170	196
	20313 KC	3	0	H313	-	65	140	33	2,53	170	196
	21313 CW33	3	0	-	-	65	140	33	2,45	184	240
	21313 KCW33	3	0	H313	AH313	65	140	33	2,42	184	240
	22313 CW33	3	2	-	-	65	140	48	3,55	253	300
	22313 KCW33	3	2	H2313	AH2313	65	140	48	3,57	253	300
70	20214 C	2	0	-	-	70	125	24	1,17	106	134
	22214 CW33	2	2	-	-	70	125	31	1,55	148	186
	22214 KCW33	2	2	H314	AH314	70	125	31	1,46	148	186
	20314 C	3	0	-	-	70	150	35	3,15	183	216
	21314 CW33	3	0	-	-	70	150	35	3	207	260
	21314 KCW33	3	0	H314	AH314	70	150	35	2,95	207	260
	22314 CW33	3	2	-	-	70	150	51	4,3	311	380
	22314 KCW33	3	2	H2314	AH2314	70	150	51	4,25	311	380
75	20215 C	2	0	-	-	75	130	25	1,28	112	143
	20215 KC	2	0	H215	-	75	130	25	1,4	112	143
	22215 CW33	2	2	-	-	75	130	31	1,65	158	208
	22215 KCW33	2	2	H315	AH315	75	130	31	1,65	158	208
	20315 C	3	0	-	-	75	160	37	3,76	216	255
	21315 CW33	3	0	-	-	75	160	37	3,55	235	300
	21315 KCW33	3	0	H315	AH315	75	160	37	3,55	235	300
	22315 CW33	3	2	-	-	75	160	55	5,25	345	430
	22315 KCW33	3	2	H2315	AH2315	75	160	55	5,01	345	430
80	20216 C	2	0	-	-	80	140	26	1,58	125	163
	20216 KC	2	0	H216	-	80	140	26	1,72	125	163



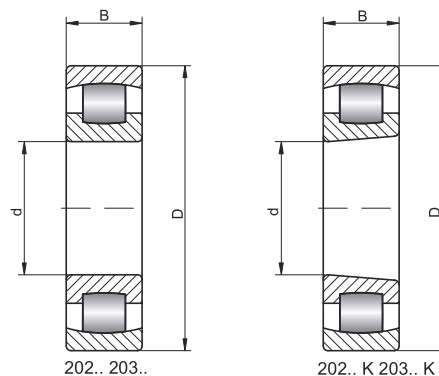
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
3400	4300	⊕	⊕	⊕	⊕	⊕	22310 KCW33
2500	3250	⊕	⊕	⊕	⊕	⊕	20211 C
2500	3250	⊕	⊕	⊕	⊕	⊕	20211 KC
4500	5600	⊕	⊕	⊕	⊕	⊕	22211 CW33
4500	5600	⊕	⊕	⊕	⊕	⊕	22211 KCW33
2250	3000	⊕	⊕	⊕	⊕	⊕	20311 C
2250	3000	⊕	⊕	⊕	⊕	⊕	20311 KC
3400	4300	⊕	⊕	⊕	⊕	⊕	21311 CW33
3400	4300	⊕	⊕	⊕	⊕	⊕	21311 KCW33
3200	4000	⊕	⊕	⊕	⊕	⊕	22311 CW33
3200	4000	⊕	⊕	⊕	⊕	⊕	22311 KCW33
2500	3250	⊕	⊕	⊕	⊕	⊕	20212 C
2500	3250	⊕	⊕	⊕	⊕	⊕	20212 KC
4000	5000	⊕	⊕	⊕	⊕	⊕	22212 CW33
4000	5000	⊕	⊕	⊕	⊕	⊕	22212 KCW33
2000	2750	⊕	⊕	⊕	⊕	⊕	20312 C
2000	2750	⊕	⊕	⊕	⊕	⊕	20312 KC
3000	3800	⊕	⊕	⊕	⊕	⊕	21312 CW33
3000	3800	⊕	⊕	⊕	⊕	⊕	21312 KCW33
3000	3800	⊕	⊕	⊕	⊕	⊕	22312 CW33
3000	3800	⊕	⊕	⊕	⊕	⊕	22312 KCW33
2250	3000	⊕	⊕	⊕	⊕	⊕	20213 C
2250	3000	⊕	⊕	⊕	⊕	⊕	20213 KC
3800	4800	⊕	⊕	⊕	⊕	⊕	22213 CW33
3800	4800	⊕	⊕	⊕	⊕	⊕	22213 KCW33
2000	2750	⊕	⊕	⊕	⊕	⊕	20313 C
2000	2750	⊕	⊕	⊕	⊕	⊕	20313 KC
2800	3600	⊕	⊕	⊕	⊕	⊕	21313 CW33
2800	3600	⊕	⊕	⊕	⊕	⊕	21313 KCW33
2600	3400	⊕	⊕	⊕	⊕	⊕	22313 CW33
2600	3400	⊕	⊕	⊕	⊕	⊕	22313 KCW33
2000	2750	⊕	⊕	⊕	⊕	⊕	20214 C
3600	4500	⊕	⊕	⊕	⊕	⊕	22214 CW33
3600	4500	⊕	⊕	⊕	⊕	⊕	22214 KCW33
2000	2500	⊕	⊕	⊕	⊕	⊕	20314 C
2600	3400	⊕	⊕	⊕	⊕	⊕	21314 CW33
2600	3400	⊕	⊕	⊕	⊕	⊕	21314 KCW33
2400	3200	⊕	⊕	⊕	⊕	⊕	22314 CW33
2400	3200	⊕	⊕	⊕	⊕	⊕	22314 KCW33
2000	2750	⊕	⊕	⊕	⊕	⊕	20215 C
2000	2750	⊕	⊕	⊕	⊕	⊕	20215 KC
3400	4300	⊕	⊕	⊕	⊕	⊕	22215 CW33
3400	4300	⊕	⊕	⊕	⊕	⊕	22215 KCW33
1750	2250	⊕	⊕	⊕	⊕	⊕	20315 C
2400	3200	⊕	⊕	⊕	⊕	⊕	21315 CW33
2400	3200	⊕	⊕	⊕	⊕	⊕	21315 KCW33
2200	3000	⊕	⊕	⊕	⊕	⊕	22315 CW33
2200	3000	⊕	⊕	⊕	⊕	⊕	22315 KCW33
2000	2500	⊕	⊕	⊕	⊕	⊕	20216 C
2000	2500	⊕	⊕	⊕	⊕	⊕	20216 KC

* Other products also available



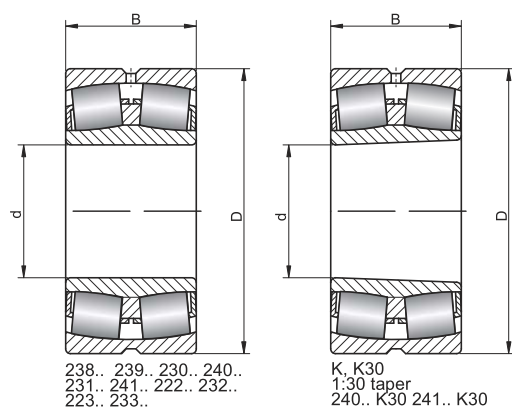
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



80 – 100 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
80 cont.	22216 CW33	2	2	-	-	80	140	33	2,1	207	270
	22216 KCW33	2	2	H316	AH316	80	140	33	1,97	176	228
	20316 C	3	0	-	-	80	170	39	4,58	245	285
	21316 CW33	3	0	-	-	80	170	39	4,2	258	335
	21316 KCW33	3	0	H316	AH316	80	170	39	4,23	258	335
	22316 CW33	3	2	-	-	80	170	58	6,2	374	455
	22316 KCW33	3	2	H2316	AH2316	80	170	58	5,95	374	455
85	20217 C	2	0	-	-	85	150	28	2,22	156	200
	20217 KC	2	0	H217	-	85	150	28	2,14	156	200
	22217 CW33	2	2	-	-	85	150	36	2,55	210	270
	22217 KCW33	2	2	H317	AH317	85	150	36	2,49	210	270
	20317 C	3	0	-	-	85	180	41	5,25	270	320
	21317 CW33	3	0	-	-	85	180	41	5	293	375
	21317 KCW33	3	0	H317	AH317	85	180	41	4,93	293	375
	22317 CW33	3	2	-	-	85	180	60	7,25	420	520
	22317 KCW33	3	2	H2317	AH2317	85	180	60	6,84	420	520
90	20218 C	2	0	-	-	90	160	30	2,72	173	220
	20218 KC	2	0	H218	-	90	160	30	2,63	173	220
	22218 CW33	2	2	-	-	90	160	40	3,4	253	340
	22218 KCW33	2	2	H318	AH318	90	160	40	3,2	253	340
	23218 CW33	2	3	-	-	90	160	52,4	4,6	311	440
	23218 KCW33	2	3	H2318	AH3218	90	160	52,4	4,2	311	440
	20318 C	3	0	-	-	90	190	43	6,25	300	360
	20318 KC	3	0	H318	-	90	190	43	6,03	300	360
	21318 CW33	3	0	-	-	90	190	43	5,8	322	425
	21318 KCW33	3	0	H318	AH318	90	190	43	5,74	322	425
	22318 CW33	3	2	-	-	90	190	64	8,6	477	610
	22318 KCW33	3	2	H2318	AH2318	90	190	64	8,08	477	610
95	20219 C	2	0	-	-	95	170	32	3,19	208	265
	22219 CW33	2	2	-	-	95	170	43	4	282	375
	22219 KCW33	2	2	H319	AH319	95	170	43	3,89	282	375
	20319 C	3	0	-	-	95	200	45	7,29	335	400
	21319 CW33	3	0	-	-	95	200	45	7,15	351	480
	21319 KCW33	3	0	H319	AH319	95	200	45	6,63	351	480
	22319 CW33	3	2	-	-	95	200	67	10	518	670
	22319 KCW33	3	2	H2319	AH2319	95	200	67	9,21	518	670
100	23120 CW33	1	3	-	-	100	165	52	4,4	322	490
	23120 KCW33	1	3	H3120	AH3120	100	165	52	4,2	322	490
	20220 C	2	0	-	-	100	180	34	3,96	224	290
	20220 KC	2	0	H220	-	100	180	34	3,81	224	290
	22220 CW33	2	2	-	-	100	180	46	4,85	311	415
	22220 KCW33	2	2	H320	AH320	100	180	46	4,72	311	415
	23220 CW33	2	3	-	-	100	180	60,3	6,7	414	600
	23220 KCW33	2	3	H2320	AH3220	100	180	60,3	6,2	414	600
	20320 C	3	0	-	-	100	215	47	8,69	365	440
	20320 KC	3	0	H320	-	100	215	47	8,46	365	440
	21320 CW33	3	0	-	-	100	215	47	8,8	385	530
	21320 KCW33	3	0	H320	AH320	100	215	47	8,19	385	530
	22320 CW33	3	2	-	-	100	215	73	13	610	800
	22320 KCW33	3	2	H2320	AH2320	100	215	73	11,7	610	800
	23320 CW33	3	3	-	-	100	215	82,6	15,3	680	900



Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
3200	4000	☐	☐	☐	☐	☐	22216 CW33
3200	4000	☐	☐	☐	☐	☐	22216 KCW33
1500	2000	☐	☐	☐	☐	☐	20316 C
2200	3000	☐	☐	☐	☐	☐	21316 CW33
2200	3000	☐	☐	☐	☐	☐	21316 KCW33
2000	2800	☐	☐	☐	☐	☐	22316 CW33
2000	2800	☐	☐	☐	☐	☐	22316 KCW33
1750	2500	☐	☐	☐	☐	☐	20217 C
1750	2500	☐	☐	☐	☐	☐	20217 KC
3000	3800	☐	☐	☐	☐	☐	22217 CW33
3000	3800	☐	☐	☐	☐	☐	22217 KCW33
1500	2000	☐	☐	☐	☐	☐	20317 C
2000	2800	☐	☐	☐	☐	☐	21317 CW33
2000	2800	☐	☐	☐	☐	☐	21317 KCW33
1900	2600	☐	☐	☐	☐	☐	22317 CW33
1900	2600	☐	☐	☐	☐	☐	22317 KCW33
1500	2000	☐	☐	☐	☐	☐	20218 C
1500	2000	☐	☐	☐	☐	☐	20218 KC
2600	3400	☐	☐	☐	☐	☐	22218 CW33
2600	3400	☐	☐	☐	☐	☐	22218 KCW33
1900	2600	☐	☐	☐	☐	☐	23218 CW33
1900	2600	☐	☐	☐	☐	☐	23218 KCW33
1500	2000	☐	☐	☐	☐	☐	20318 C
1500	2000	☐	☐	☐	☐	☐	20318 KC
1900	2600	☐	☐	☐	☐	☐	21318 CW33
1900	2600	☐	☐	☐	☐	☐	21318 KCW33
1800	2400	☐	☐	☐	☐	☐	22318 CW33
1800	2400	☐	☐	☐	☐	☐	22318 KCW33
1500	2000	☐	☐	☐	☐	☐	20219 C
2400	3200	☐	☐	☐	☐	☐	22219 CW33
2400	3200	☐	☐	☐	☐	☐	22219 KCW33
1500	1750	☐	☐	☐	☐	☐	20319 C
1800	2400	☐	☐	☐	☐	☐	21319 CW33
1800	2400	☐	☐	☐	☐	☐	21319 KCW33
1800	2400	☐	☐	☐	☐	☐	22319 CW33
1800	2400	☐	☐	☐	☐	☐	22319 KCW33
2000	2800	☐	☐	☐	☐	☐	23120 CW33
2000	2800	☐	☐	☐	☐	☐	23120 KCW33
1500	2000	☐	☐	☐	☐	☐	20220 C
1500	2000	☐	☐	☐	☐	☐	20220 KC
2200	3000	☐	☐	☐	☐	☐	22220 CW33
2200	3000	☐	☐	☐	☐	☐	22220 KCW33
1700	2200	☐	☐	☐	☐	☐	23220 CW33
1700	2200	☐	☐	☐	☐	☐	23220 KCW33
1250	1750	☐	☐	☐	☐	☐	20320 C
1250	1750	☐	☐	☐	☐	☐	20320 KC
1700	2200	☐	☐	☐	☐	☐	21320 CW33
1700	2200	☐	☐	☐	☐	☐	21320 KCW33
1700	2200	☐	☐	☐	☐	☐	22320 CW33
1700	2200	☐	☐	☐	☐	☐	22320 KCW33
1650	2150	☐	☐	☐	☐	☐	23320 CW33

* Other products also available

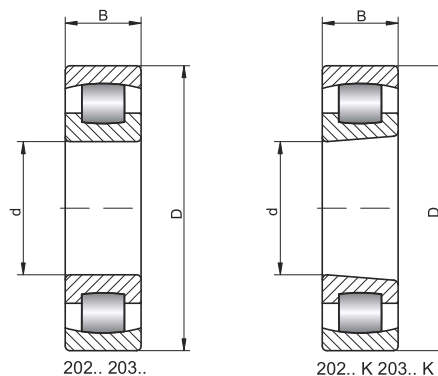


7. SPHERICAL ROLLER BEARINGS

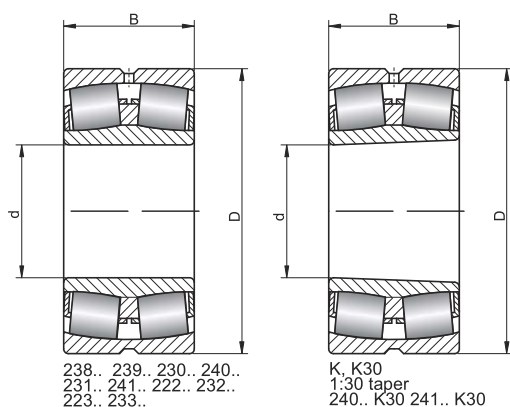
7.1. Single-row and double-row spherical roller bearings



105 – 130 mm



d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
105	20221 C	2	0	-	-	105	190	36	4,74	245	315
110	23022 CW33	0	3	-	-	110	170	45	3,75	267	440
	23022 KCW33	0	3	H3022	-	110	170	45	3,87	286	478
	23122 CW33	1	3	-	-	110	180	56	5,55	374	585
	23122 KCW33	1	3	H3122	AH3122	110	180	56	5,13	374	585
	24122 CW33	1	4	-	-	110	180	69	6,85	460	750
	24122 K30CW33	1	4	-	AH24122	110	180	69	6,85	460	750
	20222 C	2	0	-	-	110	200	38	5,53	285	375
	20222 KC	2	0	H222	-	110	200	38	5,34	285	375
	22222 CW33	2	2	-	-	110	200	53	7	408	560
	22222 KCW33	2	2	H322	AH3122	110	200	53	7,1	408	560
	23222 CW33	2	3	-	-	110	200	70	9,7	518	765
	23222 KCW33	2	3	H2322	AH3222	110	200	70	9,1	518	765
	20322 C	3	0	-	-	110	240	50	11,6	430	520
	21322 CW33	3	0	-	-	110	240	50	12	460	630
	21322 KCW33	3	0	H322	AH322	110	240	50	11,1	460	630
	22322 CW33	3	2	-	-	110	240	80	17,5	725	965
	22322 KCW33	3	2	H2322	AH2322	110	240	80	17,4	725	965
	23322 CW33	3	3	-	-	110	240	92	21,1	830	1080
120	23024 CW33	0	3	-	-	120	180	46	4,2	305	510
	23024 KCW33	0	3	H3024	AH3024	120	180	46	4,22	305	510
	24024 CW33	0	4	-	-	120	180	60	5,4	374	670
	24024 K30CW33	0	4	-	AH24024	120	180	60	4,96	397	709
	23124 CW33	1	3	-	-	120	200	62	7,8	449	695
	23124 KCW33	1	3	H3124	AH3124	120	200	62	7,3	449	695
	24124 CW33	1	4	-	-	120	200	80	10	575	950
	24124 K30CW33	1	4	-	AH24124	120	200	80	10	575	950
	20224 C	2	0	-	-	120	215	40	6,6	305	415
	20224 KC	2	0	H3024	-	120	215	40	6,41	305	415
	22224 CW33	2	2	-	-	120	215	58	8,7	466	670
	22224 KCW33	2	2	H3124	AH3124	120	215	58	8,72	466	670
	23224 CW33	2	3	-	-	120	215	76	12	610	930
	23224 KCW33	2	3	H2324	AH3224	120	215	76	11	610	930
	20324 C	3	0	-	-	120	260	55	15,2	490	630
	22324 CW33	3	2	-	-	120	260	86	22	845	1120
	22324 KCW33	3	2	H2324	AH2324	120	260	86	21	845	1120
	23324 CW33	3	3	-	-	120	260	106	28,9	1020	1430
130	23026 CW33	0	3	-	-	130	200	52	6,1	374	610
	23026 KCW33	0	3	H3026	AH3026	130	200	52	5,6	374	610
	24026 CW33	0	4	-	-	130	200	69	7,95	374	670
	24026 K30CW33	0	4	-	AH24026	130	200	69	7,33	512	914
	23126 CW33	1	3	-	-	130	210	64	8,55	489	780
	23126 KCW33	1	3	H3126	AH3126	130	210	64	8,1	489	780
	24126 CW33	1	4	-	-	130	210	80	11	587	1000
	24126 K30CW33	1	4	-	AH24126	130	210	80	11	587	1000
	20226 C	2	0	-	-	130	230	40	7,31	335	450
	20226 KC	2	0	H3026	-	130	230	40	7,19	335	450
	22226 CW33	2	2	-	-	130	230	64	11	546	800
	22226 KCW33	2	2	H3126	AH3126	130	230	64	10,4	546	800
	23226 CW33	2	3	-	-	130	230	80	14	690	1060
	23226 KCW33	2	3	H2326	AH3226	130	230	80	13	690	1060
	20326 C	3	0	-	-	130	280	58	18,4	550	720
	22326 CW33	3	2	-	-	130	280	93	28,5	978	1320



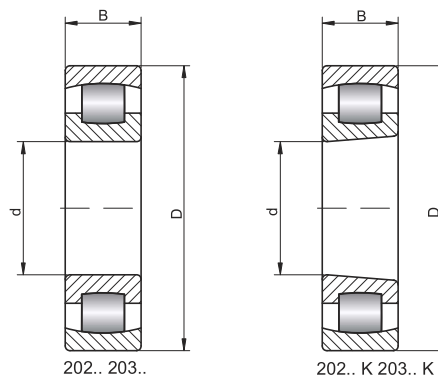
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
1500	1750	☞	☞	☞	☞	☞	20221 C
2200	3000	☞	☞	☞	☞	☞	23022 CW33
2200	3000	☞	☞	☞	☞	☞	23022 KCW33
1900	2600	☞	☞	☞	☞	☞	23122 CW33
1900	2600	☞	☞	☞	☞	☞	23122 KCW33
1000	1400	☞	☞	☞	☞	☞	24122 CW33
1000	1400	☞	☞	☞	☞	☞	24122 K30CW33
1250	1750	☞	☞	☞	☞	☞	20222 C
1250	1750	☞	☞	☞	☞	☞	20222 KC
2000	2800	☞	☞	☞	☞	☞	22222 CW33
2000	2800	☞	☞	☞	☞	☞	22222 KCW33
1600	2000	☞	☞	☞	☞	☞	23222 CW33
1600	2000	☞	☞	☞	☞	☞	23222 KCW33
1250	1500	☞	☞	☞	☞	☞	20322 C
1600	2000	☞	☞	☞	☞	☞	21322 CW33
1600	2000	☞	☞	☞	☞	☞	21322 KCW33
1600	2000	☞	☞	☞	☞	☞	22322 CW33
1600	2000	☞	☞	☞	☞	☞	22322 KCW33
1550	1950	☞	☞	☞	☞	☞	23322 CW33
2000	2800	☞	☞	☞	☞	☞	23024 CW33
2000	2800	☞	☞	☞	☞	☞	23024 KCW33
1600	2000	☞	☞	☞	☞	☞	24024 CW33
1700	2300	☞	☞	☞	☞	☞	24024 K30CW33
1800	2400	☞	☞	☞	☞	☞	23124 CW33
1800	2400	☞	☞	☞	☞	☞	23124 KCW33
900	1200	☞	☞	☞	☞	☞	24124 CW33
900	1200	☞	☞	☞	☞	☞	24124 K30CW33
1250	1750	☞	☞	☞	☞	☞	20224 C
1250	1750	☞	☞	☞	☞	☞	20224 KC
1900	2600	☞	☞	☞	☞	☞	22224 CW33
1900	2600	☞	☞	☞	☞	☞	22224 KCW33
1500	1900	☞	☞	☞	☞	☞	23224 CW33
1500	1900	☞	☞	☞	☞	☞	23224 KCW33
1000	1500	☞	☞	☞	☞	☞	20324 C
1400	1800	☞	☞	☞	☞	☞	22324 CW33
1400	1800	☞	☞	☞	☞	☞	22324 KCW33
1350	1750	☞	☞	☞	☞	☞	23324 CW33
1900	2600	☞	☞	☞	☞	☞	23026 CW33
1900	2600	☞	☞	☞	☞	☞	23026 KCW33
1600	2000	☞	☞	☞	☞	☞	24026 CW33
1600	2100	☞	☞	☞	☞	☞	24026 K30CW33
1700	2200	☞	☞	☞	☞	☞	23126 CW33
1700	2200	☞	☞	☞	☞	☞	23126 KCW33
900	1200	☞	☞	☞	☞	☞	24126 CW33
900	1200	☞	☞	☞	☞	☞	24126 K30CW33
1250	1500	☞	☞	☞	☞	☞	20226 C
1250	1500	☞	☞	☞	☞	☞	20226 KC
1800	2400	☞	☞	☞	☞	☞	22226 CW33
1800	2400	☞	☞	☞	☞	☞	22226 KCW33
1300	1700	☞	☞	☞	☞	☞	23226 CW33
1300	1700	☞	☞	☞	☞	☞	23226 KCW33
1000	1500	☞	☞	☞	☞	☞	20326 C
1300	1700	☞	☞	☞	☞	☞	22326 CW33

* Other products also available



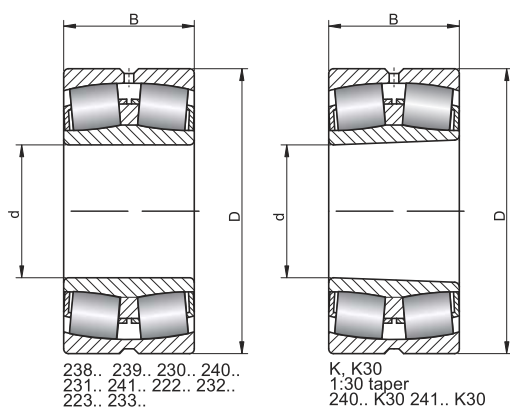
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



130 – 160 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
130 cont.	22326 KCW33	3	2	H2326	AH2326	130	280	93	26,7	978	1320
	23326 CW33	3	3	-	-	130	280	112	35,3	1160	1600
140	23028 CW33	0	3	-	-	140	210	53	6,55	397	680
	23028 KCW33	0	3	H3028	AH3028	140	210	53	6	397	680
	24028 CW33	0	4	-	-	140	210	69	8,45	495	900
	24028 K30CW33	0	4	-	AH24028	140	210	69	8,5	495	900
	23128 CW33	1	3	-	-	140	225	68	10,5	546	900
	23128 KCW33	1	3	H3128	AH3128	140	225	68	9,8	546	900
	24128 CW33	1	4	-	-	140	225	85	13	673	1160
	24128 K30CW33	1	4	-	AH24128	140	225	85	13	673	1160
	20228 C	2	0	-	-	140	250	42	9,09	390	530
	20228 KC	2	0	H3028	-	140	250	42	9	390	530
	22228 CW33	2	2	-	-	140	250	68	14	610	900
	22228 KCW33	2	2	H3128	AH3128	140	250	68	13,5	610	900
	23228 CW33	2	3	-	-	140	250	88	18,5	799	1250
	23228 KCW33	2	3	H2328	AH3228	140	250	88	17,7	799	1250
	20328 C	3	0	-	-	140	300	62	22,5	640	850
	22328 CW33	3	2	-	-	140	300	102	34,5	1130	1560
	22328 KCW33	3	2	H2328	AH2328	140	300	102	34	1130	1560
	23328 CW33	3	3	-	-	140	300	118	40,7	1270	1800
150	23930 CW33	9	3	-	-	150	210	45	4,97	334	622
	23930 KCW33	9	3	H3930	-	150	210	45	4,81	334	622
	23030 CW33	0	3	-	-	150	225	56	7,95	437	750
	23030 KCW33	0	3	H3030	AH3030	150	225	56	7	437	750
	24030 CW33	0	4	-	-	150	225	75	10,5	564	1040
	24030 K30CW33	0	4	-	AH24030	150	225	75	10,5	564	1040
	23130 CW33	1	3	-	-	150	250	80	16	725	1200
	23130 KCW33	1	3	H3130	AH3130	150	250	80	15	725	1200
	24130 CW33	1	4	-	-	150	250	100	19,5	897	1530
	24130 K30CW33	1	4	-	AH24130	150	250	100	19,5	897	1530
	20230 C	2	0	-	-	150	270	45	11,7	430	610
	20230 KC	2	0	H3030	-	150	270	45	11,5	430	610
	22230 CW33	2	2	-	-	150	270	73	18	736	1080
	22230 KCW33	2	2	H3130	AH3130	150	270	73	17	736	1080
	23230 CW33	2	3	-	-	150	270	96	24	937	1460
	23230 KCW33	2	3	H2330	AH3230	150	270	96	22	937	1460
	20330 C	3	0	-	-	150	320	65	26,9	720	950
	22330 CW33	3	2	-	-	150	320	108	41,5	1270	1760
	22330 KCW33	3	2	H2330	AH2330	150	320	108	40,6	1270	1760
	23330 CW33	3	3	-	-	150	320	128	49,8	1500	2120
160	23932 CW33	9	3	-	-	160	220	45	5,25	341	649
	23932 KCW33	9	3	H3932	-	160	220	45	5,08	341	649
	23032 CW33	0	3	-	-	160	240	60	9,7	506	880
	23032 KCW33	0	3	H3032	AH3032	160	240	60	8	506	880
	24032 CW33	0	4	-	-	160	240	80	13	656	1200
	24032 K30CW33	0	4	-	AH24032	160	240	80	13	656	1200
	23132 CW33	1	3	-	-	160	270	86	20,5	845	1370
	23132 KCW33	1	3	H3132	AH3132	160	270	86	19	845	1370
	24132 CW33	1	4	-	-	160	270	109	25	1040	1760
	24132 K30CW33	1	4	-	AH24132	160	270	109	25	1040	1760
	20232 C	2	0	-	-	160	290	48	14,5	500	720
	20232 KC	2	0	H3032	-	160	290	48	14,3	500	720
	22232 CW33	2	2	-	-	160	290	80	22,5	863	1290



Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
1300	1700	☞	☞	☞	☞	☞	22326 KCW33
1250	1650	☞	☞	☞	☞	☞	23326 CW33
1800	2400	☞	☞	☞	☞	☞	23028 CW33
1800	2400	☞	☞	☞	☞	☞	23028 KCW33
1400	1800	☞	☞	☞	☞	☞	24028 CW33
1400	1800	☞	☞	☞	☞	☞	24028 K30CW33
1600	2000	☞	☞	☞	☞	☞	23128 CW33
1600	2000	☞	☞	☞	☞	☞	23128 KCW33
850	1100	☞	☞	☞	☞	☞	24128 CW33
850	1100	☞	☞	☞	☞	☞	24128 K30CW33
1000	1500	☞	☞	☞	☞	☞	20228 C
1000	1500	☞	☞	☞	☞	☞	20228 KC
1700	2200	☞	☞	☞	☞	☞	22228 CW33
1700	2200	☞	☞	☞	☞	☞	22228 KCW33
1200	1600	☞	☞	☞	☞	☞	23228 CW33
1200	1600	☞	☞	☞	☞	☞	23228 KCW33
1000	1250	☞	☞	☞	☞	☞	20328 C
1100	1500	☞	☞	☞	☞	☞	22328 CW33
1100	1500	☞	☞	☞	☞	☞	22328 KCW33
1050	1450	☞	☞	☞	☞	☞	23328 CW33
1900	2550	☞	☞	☞	☞	☞	23930 CW33
1900	2550	☞	☞	☞	☞	☞	23930 KCW33
1700	2200	☞	☞	☞	☞	☞	23030 CW33
1700	2200	☞	☞	☞	☞	☞	23030 KCW33
1300	1700	☞	☞	☞	☞	☞	24030 CW33
1300	1700	☞	☞	☞	☞	☞	24030 K30CW33
1400	1800	☞	☞	☞	☞	☞	23130 CW33
1400	1800	☞	☞	☞	☞	☞	23130 KCW33
800	1000	☞	☞	☞	☞	☞	24130 CW33
800	1000	☞	☞	☞	☞	☞	24130 K30CW33
1000	1250	☞	☞	☞	☞	☞	20230 C
1000	1250	☞	☞	☞	☞	☞	20230 KC
1600	2000	☞	☞	☞	☞	☞	22230 CW33
1600	2000	☞	☞	☞	☞	☞	22230 KCW33
1100	1500	☞	☞	☞	☞	☞	23230 CW33
1100	1500	☞	☞	☞	☞	☞	23230 KCW33
1000	1250	☞	☞	☞	☞	☞	20330 C
1000	1400	☞	☞	☞	☞	☞	22330 CW33
1000	1400	☞	☞	☞	☞	☞	22330 KCW33
950	1350	☞	☞	☞	☞	☞	23330 CW33
1850	2450	☞	☞	☞	☞	☞	23932 CW33
1850	2450	☞	☞	☞	☞	☞	23932 KCW33
1700	2200	☞	☞	☞	☞	☞	23032 CW33
1700	2200	☞	☞	☞	☞	☞	23032 KCW33
1100	1500	☞	☞	☞	☞	☞	24032 CW33
1100	1500	☞	☞	☞	☞	☞	24032 K30CW33
1300	1700	☞	☞	☞	☞	☞	23132 CW33
1300	1700	☞	☞	☞	☞	☞	23132 KCW33
700	900	☞	☞	☞	☞	☞	24132 CW33
700	900	☞	☞	☞	☞	☞	24132 K30CW33
1000	1250	☞	☞	☞	☞	☞	20232 C
1000	1250	☞	☞	☞	☞	☞	20232 KC
1500	1900	☞	☞	☞	☞	☞	22232 CW33

* Other products also available

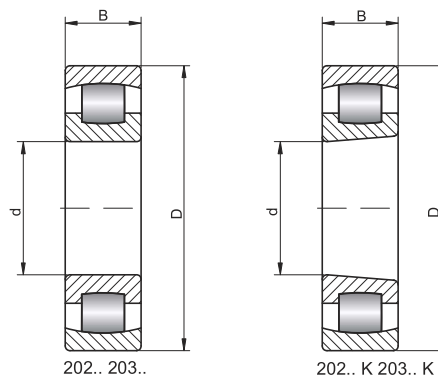


7. SPHERICAL ROLLER BEARINGS

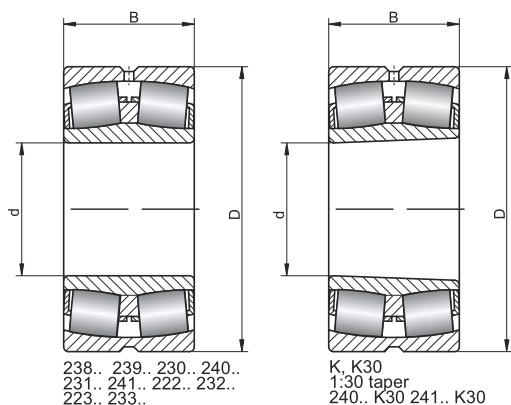
7.1. Single-row and double-row spherical roller bearings



160 – 190 mm



d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
160 cont.	22232 KCW33	2	2	H3132	AH3132	160	290	80	22,5	863	1290
	23232 CW33	2	3	-	-	160	290	104	30	1070	1660
	23232 KCW33	2	3	H2332	AH3232	160	290	104	28,9	1070	1660
	22332 CW33	3	2	-	-	160	340	114	50	1380	1960
	22332 KCW33	3	2	H2332	AH2332	160	340	114	50,5	1380	1960
	23332 CW33	3	3	-	-	160	340	136	62,6	1660	2320
170	23934 CW33	9	3	-	-	170	230	45	5,53	353	691
	23934 KCW33	9	3	H3934	-	170	230	45	5,35	353	691
	23034 CW33	0	3	-	-	170	260	67	13	621	1060
	23034 KCW33	0	3	H3034	AH3034	170	260	67	12,1	621	1060
	24034 CW33	0	4	-	-	170	260	90	17,5	799	1460
	24034 K30CW33	0	4	-	AH24034	170	260	90	17,5	799	1460
	23134 CW33	1	3	-	-	170	280	88	21,5	897	1500
	23134 KCW33	1	3	H3134	AH3134	170	280	88	20,6	897	1500
	24134 CW33	1	4	-	-	170	280	109	26,5	1070	1860
	24134 K30CW33	1	4	-	AH24134	170	280	109	26,5	1070	1860
	20234 C	2	0	-	-	170	310	52	17,9	570	830
	22234 CW33	2	2	-	-	170	310	86	28,5	978	1460
	22234 KCW33	2	2	H3134	AH3134	170	310	86	26,3	978	1460
	23234 CW33	2	3	-	-	170	310	110	36,5	1220	1930
	23234 KCW33	2	3	H2334	AH3234	170	310	110	34,2	1220	1930
	22334 CW33	3	2	-	-	170	360	120	58,5	1540	2160
	22334 KCW33	3	2	H2334	AH2334	170	360	120	58,2	1540	2160
180	23936 CW33	9	3	-	-	180	250	52	8,2	431	830
	23936 KCW33	9	3	H3936	AH3936	180	250	52	7,7	431	830
	23036 CW33	0	3	-	-	180	280	74	17	725	1250
	23036 KCW33	0	3	H3036	AH3036	180	280	74	16,6	725	1250
	24036 CW33	0	4	-	-	180	280	100	23	937	1730
	24036 K30CW33	0	4	-	AH24036	180	280	100	23	937	1730
	23136 CW33	1	3	-	-	180	300	96	27,5	1050	1760
	23136 KCW33	1	3	H3136	AH3136	180	300	96	26,8	1050	1760
	24136 CW33	1	4	-	-	180	300	118	33,5	1220	2160
	24136 K30CW33	1	4	-	AH24136	180	300	118	33,5	1220	2160
	20236 C	2	0	-	-	180	320	52	18,4	585	850
	22236 CW33	2	2	-	-	180	320	86	29,5	1010	1560
	22236 KCW33	2	2	H3136	AH2236	180	320	86	28,5	1010	1560
	23236 CW33	2	3	-	-	180	320	112	39	1290	2120
	23236 KCW33	2	3	H2336	AH3236	180	320	112	38,6	1290	2120
	22336 CW33	3	2	-	-	180	380	126	69	1730	2450
	22336 KCW33	3	2	H2336	AH2336	180	380	126	68,5	1730	2450
190	23938 CW33	9	3	-	-	190	260	52	8,4	414	800
	23938 KCW33	9	3	H3938	AH3938	190	260	52	8,3	414	800
	23038 CW33	0	3	-	-	190	290	75	18	753	1340
	23038 KCW33	0	3	H3038	AH3038	190	290	75	16,9	753	1340
	24038 CW33	0	4	-	-	190	290	100	24	978	1800
	24038 K30CW33	0	4	-	AH24038	190	290	100	24	978	1800
	23138 CW33	1	3	-	-	190	320	104	34,5	1200	2080
	23138 KCW33	1	3	H3138	AH3138	190	320	104	31,4	1200	2080
	24138 CW33	1	4	-	-	190	320	128	42	1400	2500
	24138 K30CW33	1	4	-	AH24138	190	320	128	42	1400	2500
	20238 C	2	0	-	-	190	340	55	22,5	640	950
	22238 CW33	2	2	-	-	190	340	92	36,5	1110	1700
	22238 KCW33	2	2	H3138	AH2238	190	340	92	37	1110	1700



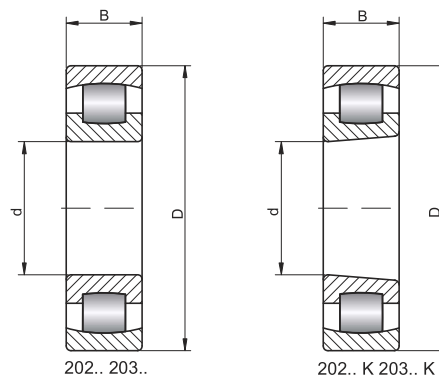
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
1500	1900	☐	☐	☐	☐	☐	22232 KCW33
1000	1400	☐	☐	☐	☐	☐	23232 CW33
1000	1400	☐	☐	☐	☐	☐	23232 KCW33
950	1300	☐	☐	☐	☐	☐	22332 CW33
950	1300	☐	☐	☐	☐	☐	22332 KCW33
900	1250	☐	☐	☐	☐	☐	23332 CW33
1800	2350	☐	☐	☐	☐	☐	23934 CW33
1800	2350	☐	☐	☐	☐	☐	23934 KCW33
1600	2000	☐	☐	☐	☐	☐	23034 CW33
1600	2000	☐	☐	☐	☐	☐	23034 KCW33
1000	1400	☐	☐	☐	☐	☐	24034 CW33
1000	1400	☐	☐	☐	☐	☐	24034 K30CW33
1200	1600	☐	☐	☐	☐	☐	23134 CW33
1200	1600	☐	☐	☐	☐	☐	23134 KCW33
670	850	☐	☐	☐	☐	☐	24134 CW33
670	850	☐	☐	☐	☐	☐	24134 K30CW33
1000	1250	☐	☐	☐	☐	☐	20234 C
1300	1700	☐	☐	☐	☐	☐	22234 CW33
1300	1700	☐	☐	☐	☐	☐	22234 KCW33
950	1300	☐	☐	☐	☐	☐	23234 CW33
950	1300	☐	☐	☐	☐	☐	23234 KCW33
950	1300	☐	☐	☐	☐	☐	22334 CW33
950	1300	☐	☐	☐	☐	☐	22334 KCW33
1700	2200	☐	☐	☐	☐	☐	23936 CW33
1700	2200	☐	☐	☐	☐	☐	23936 KCW33
1400	1800	☐	☐	☐	☐	☐	23036 CW33
1400	1800	☐	☐	☐	☐	☐	23036 KCW33
950	1300	☐	☐	☐	☐	☐	24036 CW33
950	1300	☐	☐	☐	☐	☐	24036 K30CW33
1100	1500	☐	☐	☐	☐	☐	23136 CW33
1100	1500	☐	☐	☐	☐	☐	23136 KCW33
630	800	☐	☐	☐	☐	☐	24136 CW33
630	800	☐	☐	☐	☐	☐	24136 K30CW33
750	1000	☐	☐	☐	☐	☐	20236 C
1300	1700	☐	☐	☐	☐	☐	22236 CW33
1300	1700	☐	☐	☐	☐	☐	22236 KCW33
900	1200	☐	☐	☐	☐	☐	23236 CW33
900	1200	☐	☐	☐	☐	☐	23236 KCW33
900	1200	☐	☐	☐	☐	☐	22336 CW33
900	1200	☐	☐	☐	☐	☐	22336 KCW33
1700	2200	☐	☐	☐	☐	☐	23938 CW33
1700	2200	☐	☐	☐	☐	☐	23938 KCW33
1300	1700	☐	☐	☐	☐	☐	23038 CW33
1300	1700	☐	☐	☐	☐	☐	23038 KCW33
950	1300	☐	☐	☐	☐	☐	24038 CW33
950	1300	☐	☐	☐	☐	☐	24038 K30CW33
1000	1400	☐	☐	☐	☐	☐	23138 CW33
1000	1400	☐	☐	☐	☐	☐	23138 KCW33
600	750	☐	☐	☐	☐	☐	24138 CW33
600	750	☐	☐	☐	☐	☐	24138 K30CW33
750	1000	☐	☐	☐	☐	☐	20238 C
1200	1600	☐	☐	☐	☐	☐	22238 CW33
1200	1600	☐	☐	☐	☐	☐	22238 KCW33

* Other products also available



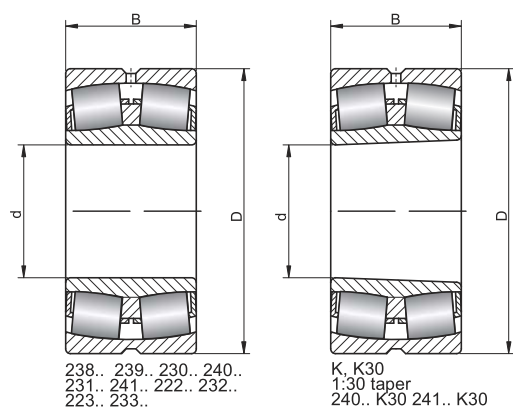
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



190 – 240 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
190 cont.	23238 CW33	2	3	-	-	190	340	120	47,5	1460	2400
	23238 KCW33	2	3	H2338	AH3238	190	340	120	47,5	1460	2400
	22338 CW33	3	2	-	-	190	400	132	80	1870	2650
	22338 KCW33	3	2	H2338	AH2338	190	400	132	79,4	1870	2650
	23338 CW33	3	3	-	-	190	400	155	97,1	2200	3200
200	23940 CW33	9	3	-	-	200	280	60	11,5	546	1040
	23940 KCW33	9	3	H3940	AH3940	200	280	60	12,3	546	1040
	23040 CW33	0	3	-	-	200	310	82	23	880	1530
	23040 KCW33	0	3	H3040	AH3040	200	310	82	22,3	880	1530
	24040 CW33	0	4	-	-	200	310	109	30,5	1130	2120
	24040 K30CW33	0	4	-	AH24040	200	310	109	30,5	1130	2120
	23140 CW33	1	3	-	-	200	340	112	42,5	1380	2360
	23140 KCW33	1	3	H3140	AH3140	200	340	112	41,6	1380	2360
	24140 CW33	1	4	-	-	200	340	140	52	1580	2800
	24140 K30CW33	1	4	-	AH24140	200	340	140	52	1580	2800
	20240 C	2	0	-	-	200	360	58	26,7	735	1080
	22240 CW33	2	2	-	-	200	360	98	43,5	1270	1930
	22240 KCW33	2	2	H3140	AH2240	200	360	98	43,2	1270	1930
	23240 CW33	2	3	-	-	200	360	128	57	1610	2700
	23240 KCW33	2	3	H2340	AH3240	200	360	128	57,6	1610	2700
	22340 CW33	3	2	-	-	200	420	138	92,5	2020	2900
	22340 KCW33	3	2	H2340	AH2340	200	420	138	90,4	2020	2900
	23340 CW33	3	3	-	-	200	420	165	108	2450	3600
220	23944 CW33	9	3	-	-	220	300	60	13	546	1080
	23944 KCW33	9	3	H3944	AH3944	220	300	60	12,2	546	1080
	23044 CW33	0	3	-	-	220	340	90	30,5	1050	1860
	23044 KCW33	0	3	H3044	AH3044	220	340	90	30,2	1050	1860
	24044 CW33	0	4	-	-	220	340	118	39,5	1360	2600
	24044 K30CW33	0	4	-	AH24044	220	340	118	39,5	1360	2600
	23144 CW33	1	3	-	-	220	370	120	53	1580	2750
	23144 KCW33	1	3	H3144	AH3144	220	370	120	52,5	1580	2750
	24144 CW33	1	4	-	-	220	370	150	65	1840	3350
	24144 K30CW33	1	4	-	AH24144	220	370	150	65	1840	3350
	20244 C	2	0	-	-	220	400	65	37,4	880	1320
	22244 CW33	2	2	-	-	220	400	108	60,5	1520	2360
	22244 KCW33	2	2	H3144	AH2244	220	400	108	59,6	1520	2360
	23244 CW33	2	3	-	-	220	400	144	79,5	2070	3450
	23244 KCW33	2	3	H2344	AH2344	220	400	144	81,4	2070	3450
	22344 CW33	3	2	-	-	220	460	145	120	2350	3450
	22344 KCW33	3	2	H2344	AH2344	220	460	145	117	2350	3450
240	23948 CW33	9	3	-	-	240	320	60	14	564	1160
	23948 KCW33	9	3	H3948	AH3948	240	320	60	13,5	564	1160
	23048 CW33	0	3	-	-	240	360	92	33,5	1130	2080
	23048 KCW33	0	3	H3048	AH3048	240	360	92	33	1130	2080
	24048 CW33	0	4	-	-	240	360	118	42,5	1380	2700
	24048 K30CW33	0	4	-	AH24048	240	360	118	43,5	1380	2700
	23148 CW33	1	3	-	-	240	400	128	65,5	1790	3200
	23148 KCW33	1	3	H3148	AH3148	240	400	128	65	1790	3200
	24148 CW33	1	4	-	-	240	400	160	80,5	2100	3900
	24148 K30CW33	1	4	-	AH24148	240	400	160	80,5	2100	3900
	20248 C	2	0	-	-	240	440	72	50,5	1060	1600
	22248 CW33	2	2	-	-	240	440	120	83	1910	3000
	22248 KCW33	2	2	H3148	AH2248	240	440	120	81,2	1910	3000



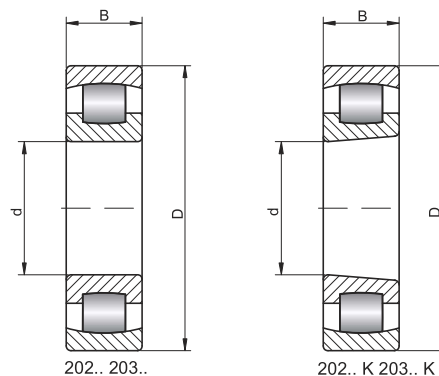
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
850	1100	☐	⊕	☑	⊕	⊕	23238 CW33
850	1100	☐	⊕	☑	⊕	⊕	23238 KCW33
850	1100	☐	⊕	☑	⊕	⊕	22338 CW33
850	1100	☐	⊕	☑	⊕	⊕	22338 KCW33
800	1050	☑	☑	☑	☑	☑	23338 CW33
1600	2000	☐	⊕	☑	⊕	⊕	23940 CW33
1600	2000	☐	⊕	☑	⊕	⊕	23940 KCW33
1200	1600	☐	⊕	☑	⊕	⊕	23040 CW33
1200	1600	☐	⊕	☑	⊕	⊕	23040 KCW33
900	1200	☑	☑	☑	☑	☑	24040 CW33
900	1200	☑	☑	☑	☑	☑	24040 K30CW33
950	1300	☐	⊕	☑	⊕	⊕	23140 CW33
950	1300	☐	⊕	☑	⊕	⊕	23140 KCW33
560	700	☑	☑	☑	☑	☑	24140 CW33
560	700	☑	☑	☑	☑	☑	24140 K30CW33
750	1000	☑	☑	☑	☑	☑	20240 C
1100	1500	☐	⊕	☑	⊕	⊕	22240 CW33
1100	1500	☐	⊕	☑	⊕	⊕	22240 KCW33
850	1100	☐	⊕	☑	⊕	⊕	23240 CW33
850	1100	☐	⊕	☑	⊕	⊕	23240 KCW33
850	1100	☐	⊕	☑	⊕	⊕	22340 CW33
850	1100	☐	⊕	☑	⊕	⊕	22340 KCW33
800	1050	☑	☑	☑	☑	☑	23340 CW33
1500	1900	☐	⊕	☑	⊕	⊕	23944 CW33
1500	1900	☐	⊕	☑	⊕	⊕	23944 KCW33
1100	1500	☐	⊕	☑	⊕	⊕	23044 CW33
1100	1500	☐	⊕	☑	⊕	⊕	23044 KCW33
850	1100	☑	☑	☑	☑	☑	24044 CW33
850	1100	☑	☑	☑	☑	☑	24044 K30CW33
900	1200	☐	⊕	☑	⊕	⊕	23144 CW33
900	1200	☐	⊕	☑	⊕	⊕	23144 KCW33
500	630	☑	☑	☑	☑	☑	24144 CW33
500	630	☑	☑	☑	☑	☑	24144 K30CW33
750	1000	☑	☑	☑	☑	☑	20244 C
950	1300	☐	⊕	☑	⊕	⊕	22244 CW33
950	1300	☐	⊕	☑	⊕	⊕	22244 KCW33
750	950	☐	⊕	☑	⊕	⊕	23244 CW33
750	950	☐	⊕	☑	⊕	⊕	23244 KCW33
750	950	☐	⊕	☑	⊕	⊕	22344 CW33
750	950	☐	⊕	☑	⊕	⊕	22344 KCW33
1300	1700	☐	⊕	☑	⊕	⊕	23948 CW33
1300	1700	☐	⊕	☑	⊕	⊕	23948 KCW33
1000	1400	☐	⊕	☑	⊕	⊕	23048 CW33
1000	1400	☐	⊕	☑	⊕	⊕	23048 KCW33
800	1000	☑	☑	☑	☑	☑	24048 CW33
800	1000	☑	☑	☑	☑	☑	24048 K30CW33
850	1100	☐	⊕	☑	⊕	⊕	23148 CW33
850	1100	☐	⊕	☑	⊕	⊕	23148 KCW33
480	600	☑	☑	☑	☑	☑	24148 CW33
480	600	☑	☑	☑	☑	☑	24148 K30CW33
750	750	☐	⊕	☑	⊕	⊕	20248 C
900	1200	☐	⊕	☑	⊕	⊕	22248 CW33
900	1200	☐	⊕	☑	⊕	⊕	22248 KCW33

* Other products also available



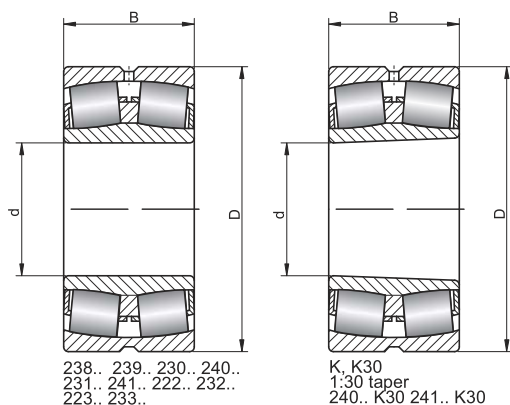
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



240 – 300 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
240 cont.	23248 CW33	2	3	-	-	240	440	160	110	2530	4300
	23248 KCW33	2	3	H2348	AH2348	240	440	160	108	2530	4300
	22348 CW33	3	2	-	-	240	500	155	155	2670	4000
	22348 KCW33	3	2	H2348	AH2348	240	500	155	149	2670	4000
260	23952 CW33	9	3	-	-	260	360	75	24	880	1800
	23952 KCW33	9	3	H3952	AH3952	260	360	75	22,4	880	1800
	23052 CW33	0	3	-	-	260	400	104	48,5	1400	2550
	23052 KCW33	0	3	H3052	AH3052	260	400	104	47,9	1400	2550
	24052 CW33	0	4	-	-	260	400	140	64,5	1760	3450
	24052 K30CW33	0	4	-	AH24052	260	400	140	65	1760	3450
	23152 CW33	1	3	-	-	260	440	144	90,5	2220	3900
	23152 KCW33	1	3	H3152	AH3152	260	440	144	93	2220	3900
	24152 CW33	1	4	-	-	260	440	180	110	2620	4800
	24152 K30CW33	1	4	-	AH24152	260	440	180	110	2620	4800
	20252 C	2	0	-	-	260	480	80	68,2	1270	1930
	22252 CW33	2	2	-	-	260	480	130	110	2300	3550
	22252 KCW33	2	2	H3152	AH2252	260	480	130	108	2300	3550
	23252 CW33	2	3	-	-	260	480	174	140	2820	4750
	23252 KCW33	2	3	H2352	AH2352	260	480	174	140	2820	4750
	22352 CW33	3	2	-	-	260	540	165	190	3050	4550
	22352 KCW33	3	2	H2352	AH2352	260	540	165	181	3050	4550
280	23956 CW33	9	3	-	-	280	380	75	26	965	2040
	23956 KCW33	9	3	H3956	AH3956	280	380	75	25,1	965	2040
	23056 CW33	0	3	-	-	280	420	106	52,5	1520	2850
	23056 KCW33	0	3	H3056	AH3056	280	420	106	52,2	1520	2850
	24056 CW33	0	4	-	-	280	420	140	68,5	1870	3800
	23156 CW33	1	3	-	-	280	460	146	97	2300	4250
	23156 KCW33	1	3	H3156	AH3156	280	460	146	96,4	2300	4250
	24156 CW33	1	4	-	-	280	460	180	120	2670	5100
	24156 K30CW33	1	4	-	AH24156	280	460	180	120	2670	5100
	22256 CW33	2	2	-	-	280	500	130	115	2350	3750
	22256 KCW33	2	2	H3156	AH2256	280	500	130	112	2350	3750
	23256 CW33	2	3	-	-	280	500	176	150	2820	4900
	23256 KCW33	2	3	H2356	AH2356	280	500	176	152	2820	4900
	22356 CW33	3	2	-	-	280	580	175	235	3450	5200
	22356 KCW33	3	2	H2356	AH2356	280	580	175	230	3450	5200
300	23960 CW33	9	3	-	-	300	420	90	40,5	1200	2500
	23960 KCW33	9	3	H3960	AH3960	300	420	90	40,4	1200	2500
	23060 CW33	0	3	-	-	300	460	118	71,5	1840	3450
	23060 KCW33	0	3	H3060	AH3060	300	460	118	72,3	1840	3450
	24060 CW33	0	4	-	-	300	460	160	97	2350	4750
	24060 K30CW33	0	4	-	AH24056	300	460	160	98,7	2350	4750
	23160 CW33	1	3	-	-	300	500	160	125	2820	5100
	23160 KCW33	1	3	H3160	AH3160	300	500	160	127	2820	5100
	24160 CW33	1	4	-	-	300	500	200	155	3280	6300
	24160 K30CW33	1	4	-	AH24160	300	500	200	155	3280	6300
	22260 CW33	2	2	-	-	300	540	140	145	2760	4250
	22260 KCW33	2	2	H3160	AH2260	300	540	140	140	2760	4250
	23260 CW33	2	3	-	-	300	540	192	190	3340	5850
	23260 KCW33	2	3	H3260	AH3260	300	540	192	192	3340	5850
	22360 CW33	3	2	-	-	300	620	185	289	3910	5430
	22360 KCW33	3	2	-	-	300	620	185	284	3910	5430



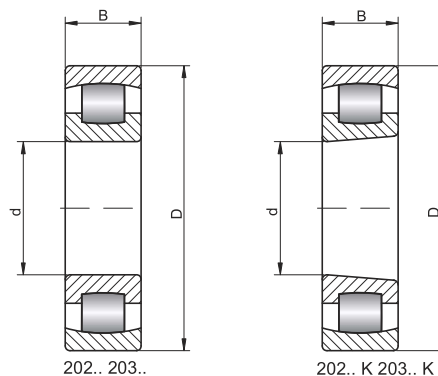
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
670	850	⊕	⊕	⊕	⊕	⊕	23248 CW33
670	850	⊕	⊕	⊕	⊕	⊕	23248 KCW33
670	850	⊕	⊕	⊕	⊕	⊕	22348 CW33
670	850	⊕	⊕	⊕	⊕	⊕	22348 KCW33
1100	1500	⊕	⊕	⊕	⊕	⊕	23952 CW33
1100	1500	⊕	⊕	⊕	⊕	⊕	23952 KCW33
900	1200	⊕	⊕	⊕	⊕	⊕	23052 CW33
900	1200	⊕	⊕	⊕	⊕	⊕	23052 KCW33
700	900	⊕	⊕	⊕	⊕	⊕	24052 CW33
700	900	⊕	⊕	⊕	⊕	⊕	24052 K30CW33
800	1000	⊕	⊕	⊕	⊕	⊕	23152 CW33
800	1000	⊕	⊕	⊕	⊕	⊕	23152 KCW33
430	530	⊕	⊕	⊕	⊕	⊕	24152 CW33
430	530	⊕	⊕	⊕	⊕	⊕	24152 K30CW33
500	750	⊕	⊕	⊕	⊕	⊕	20252 C
850	1100	⊕	⊕	⊕	⊕	⊕	22252 CW33
850	1100	⊕	⊕	⊕	⊕	⊕	22252 KCW33
630	800	⊕	⊕	⊕	⊕	⊕	23252 CW33
630	800	⊕	⊕	⊕	⊕	⊕	23252 KCW33
630	800	⊕	⊕	⊕	⊕	⊕	22352 CW33
630	800	⊕	⊕	⊕	⊕	⊕	22352 KCW33
1000	1400	⊕	⊕	⊕	⊕	⊕	23956 CW33
1000	1400	⊕	⊕	⊕	⊕	⊕	23956 KCW33
850	1100	⊕	⊕	⊕	⊕	⊕	23056 CW33
850	1100	⊕	⊕	⊕	⊕	⊕	23056 KCW33
670	850	⊕	⊕	⊕	⊕	⊕	24056 CW33
750	950	⊕	⊕	⊕	⊕	⊕	23156 CW33
750	950	⊕	⊕	⊕	⊕	⊕	23156 KCW33
400	500	⊕	⊕	⊕	⊕	⊕	24156 CW33
400	500	⊕	⊕	⊕	⊕	⊕	24156 K30CW33
800	1000	⊕	⊕	⊕	⊕	⊕	22256 CW33
800	1000	⊕	⊕	⊕	⊕	⊕	22256 KCW33
600	750	⊕	⊕	⊕	⊕	⊕	23256 CW33
600	750	⊕	⊕	⊕	⊕	⊕	23256 KCW33
600	750	⊕	⊕	⊕	⊕	⊕	22356 CW33
600	750	⊕	⊕	⊕	⊕	⊕	22356 KCW33
950	1300	⊕	⊕	⊕	⊕	⊕	23960 CW33
950	1300	⊕	⊕	⊕	⊕	⊕	23960 KCW33
800	1000	⊕	⊕	⊕	⊕	⊕	23060 CW33
800	1000	⊕	⊕	⊕	⊕	⊕	23060 KCW33
600	750	⊕	⊕	⊕	⊕	⊕	24060 CW33
600	750	⊕	⊕	⊕	⊕	⊕	24060 K30CW33
670	850	⊕	⊕	⊕	⊕	⊕	23160 CW33
670	850	⊕	⊕	⊕	⊕	⊕	23160 KCW33
360	450	⊕	⊕	⊕	⊕	⊕	24160 CW33
360	450	⊕	⊕	⊕	⊕	⊕	24160 K30CW33
750	950	⊕	⊕	⊕	⊕	⊕	22260 CW33
750	950	⊕	⊕	⊕	⊕	⊕	22260 KCW33
530	670	⊕	⊕	⊕	⊕	⊕	23260 CW33
530	670	⊕	⊕	⊕	⊕	⊕	23260 KCW33
470	630	⊕	⊕	⊕	⊕	⊕	22360 CW33
470	630	⊕	⊕	⊕	⊕	⊕	22360 KCW33

* Other products also available



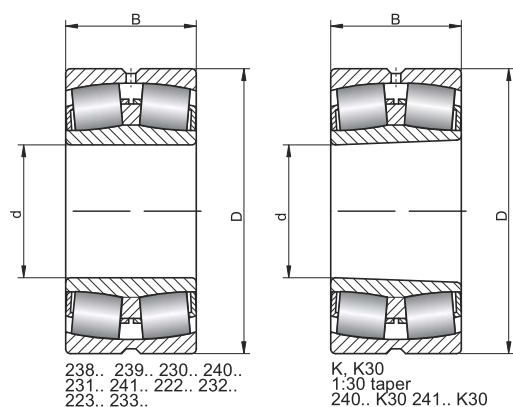
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



320 – 380 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
320	23964 CW33	9	3	-	-	320	440	90	42	1240	2700
	23964 KCW33	9	3	H3964	AH3964	320	440	90	40,7	1240	2700
	23064 CW33	0	3	-	-	320	480	121	78	1960	3800
	23064 KCW33	0	3	H3064	AH3064	320	480	121	77,8	1960	3800
	24064 CW33	0	4	-	-	320	480	160	100	2480	5100
	24064 K30CW33	0	4	-	AH24060	320	480	160	102	2480	5100
	23164 CW33	1	3	-	-	320	540	176	165	3280	6000
	23164 KCW33	1	3	H3164	AH3164	320	540	176	164	3280	6000
	24164 CW33	1	4	-	-	320	540	218	210	3740	7100
	24164 K30CW33	1	4	-	AH24164	320	540	218	210	3740	7100
	22264 CW33	2	2	-	-	320	580	150	177	3050	4900
	22264 KCW33	2	2	H3164	AH2264	320	580	150	171	3050	4900
	23264 CW33	2	3	-	-	320	580	208	240	3850	6700
	23264 KCW33	2	3	H3264	AH3264	320	580	208	237	3850	6700
340	23968 CW33	9	3	-	-	340	460	90	45,5	1270	2800
	23968 KCW33	9	3	H3968	AH3968	340	460	90	44	1270	2800
	23068 CW33	0	3	-	-	340	520	133	105	2350	4550
	23068 KCW33	0	3	H3068	AH3068	340	520	133	104	2350	4550
	24068 CW33	0	4	-	-	340	520	180	140	2990	6200
	24068 K30CW33	0	4	-	AH24064	340	520	180	143	2990	6200
	23168 CW33	1	3	-	-	340	580	190	210	3680	6800
	23168 KCW33	1	3	H3168	AH3168	340	580	190	209	3680	6800
	24168 CW33	1	4	-	-	340	580	243	270	4660	8650
	24168 K30CW33	1	4	-	AH24168	340	580	243	270	4660	8650
	22268 CW33	2	2	-	-	340	620	165	221	3550	5430
	22268 KCW33	2	2	H3168	-	340	620	165	216	3550	5430
	23268 CW33	2	3	-	-	340	620	224	295	4660	8300
	23268 KCW33	2	3	H3268	AH3268	340	620	224	299	4660	8300
360	23972 CW33	9	3	-	-	360	480	90	46,5	1290	2900
	23972 KCW33	9	3	H3972	AH3972	360	480	90	45	1290	2900
	23072 CW33	0	3	-	-	360	540	134	110	2390	4800
	23072 KCW33	0	3	H3072	AH3072	360	540	134	110	2390	4800
	24072 CW33	0	4	-	-	360	540	180	145	3110	6550
	24072 K30CW33	0	4	-	AH24068	360	540	180	144	3110	6550
	23172 CW33	1	3	-	-	360	600	192	220	3740	6950
	23172 KCW33	1	3	H3172	AH3172	360	600	192	228	3740	6950
	24172 CW33	1	4	-	-	360	600	243	270	4490	8650
	24172 K30CW33	1	4	-	AH24172	360	600	243	270	4490	8650
	22272 CW33	2	2	-	-	360	650	170	248	3770	5830
	22272 KCW33	2	2	H3172	-	360	650	170	243	3770	5830
	23272 CW33	2	3	-	-	360	650	232	335	4660	8300
	23272 KCW33	2	3	H3272	AH3272	360	650	232	337	4660	8300
380	23976 CW33	9	3	-	-	380	520	106	69	1730	3800
	23976 KCW33	9	3	H3976	AH3976	380	520	106	70,5	1730	3800
	23076 CW33	0	3	-	-	380	560	135	115	2480	5000
	23076 KCW33	0	3	H3076	AH3076	380	560	135	116	2480	5000
	24076 CW33	0	4	-	-	380	560	180	150	3160	6800
	24076 K30CW33	0	4	-	AH24072	380	560	180	145	3160	6800
	23176 CW33	1	3	-	-	380	620	194	230	3740	7100
	23176 KCW33	1	3	H3176	AH3176	380	620	194	232	3740	7100
	24176 CW33	1	4	-	-	380	620	243	300	4600	9150
	24176 K30CW33	1	4	-	AH24176	380	620	243	300	4600	9150
	23276 CW33	2	3	-	-	380	680	240	375	5060	9150



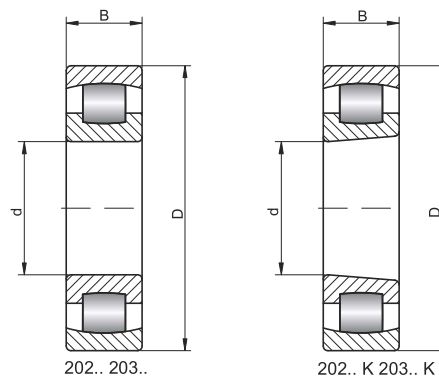
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
900	1200	☐	⊕	☑	⊕	⊕	23964 CW33
900	1200	☐	⊕	☑	⊕	⊕	23964 KCW33
800	1000	☐	☑	☑	☑	☑	23064 CW33
800	1000	☐	☑	☑	☑	☑	23064 KCW33
560	700	☑	☑	☑	☑	☑	24064 CW33
560	700	☑	☑	☑	☑	☑	24064 K30CW33
630	800	☐	☑	☑	☑	☑	23164 CW33
630	800	☐	☑	☑	☑	☑	23164 KCW33
340	430	☑	☑	☑	☑	☑	24164 CW33
340	430	☑	☑	☑	☑	☑	24164 K30CW33
490	660	☐	⊕	☑	⊕	⊕	22264 CW33
490	660	☐	⊕	☑	⊕	⊕	22264 KCW33
500	630	☐	⊕	☑	⊕	⊕	23264 CW33
500	630	☐	⊕	☑	⊕	⊕	23264 KCW33
900	1200	☐	⊕	☑	⊕	⊕	23968 CW33
900	1200	☐	⊕	☑	⊕	⊕	23968 KCW33
700	900	☐	☑	☑	☑	☑	23068 CW33
700	900	☐	☑	☑	☑	☑	23068 KCW33
530	670	☑	☑	☑	☑	☑	24068 CW33
530	670	☑	☑	☑	☑	☑	24068 K30CW33
600	750	☐	☑	☑	☑	☑	23168 CW33
600	750	☐	☑	☑	☑	☑	23168 KCW33
320	400	☑	☑	☑	☑	☑	24168 CW33
320	400	☑	☑	☑	☑	☑	24168 K30CW33
440	590	⊕	⊕	☑	⊕	⊕	22268 CW33
440	590	⊕	⊕	☑	⊕	⊕	22268 KCW33
430	530	☐	⊕	☑	⊕	⊕	23268 CW33
430	530	☐	⊕	☑	⊕	⊕	23268 KCW33
850	1100	☐	⊕	☑	⊕	⊕	23972 CW33
850	1100	☐	⊕	☑	⊕	⊕	23972 KCW33
670	850	⊕	☑	☑	☑	☑	23072 CW33
670	850	⊕	☑	☑	☑	☑	23072 KCW33
500	630	☑	☑	☑	☑	☑	24072 CW33
500	630	☑	☑	☑	☑	☑	24072 K30CW33
560	700	⊕	☑	☑	☑	☑	23172 CW33
560	700	⊕	☑	☑	☑	☑	23172 KCW33
300	380	☑	☑	☑	☑	☑	24172 CW33
300	380	☑	☑	☑	☑	☑	24172 K30CW33
410	550	⊕	⊕	☑	⊕	⊕	22272 CW33
410	550	⊕	⊕	☑	⊕	⊕	22272 KCW33
400	500	☐	⊕	☑	⊕	⊕	23272 CW33
400	500	☐	⊕	☑	⊕	⊕	23272 KCW33
800	1000	☐	⊕	☑	⊕	⊕	23976 CW33
800	1000	☐	⊕	☑	⊕	⊕	23976 KCW33
630	800	⊕	☑	☑	☑	☑	23076 CW33
630	800	⊕	☑	☑	☑	☑	23076 KCW33
480	600	☑	☑	☑	☑	☑	24076 CW33
480	600	☑	☑	☑	☑	☑	24076 K30CW33
400	500	⊕	☑	☑	☑	☑	23176 CW33
400	500	⊕	☑	☑	☑	☑	23176 KCW33
190	260	☑	☑	☑	☑	☑	24176 CW33
190	260	☑	☑	☑	☑	☑	24176 K30CW33
380	480	⊕	⊕	☑	⊕	⊕	23276 CW33

* Other products also available



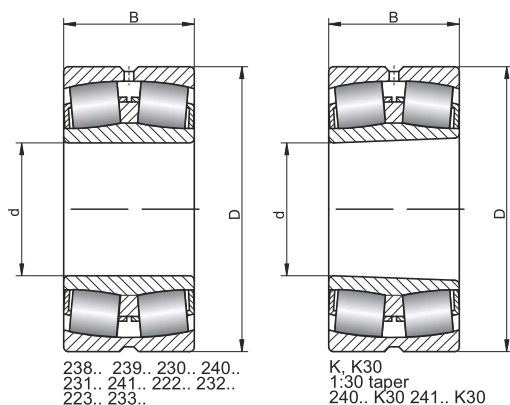
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



380 – 480 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
380 cont.	23276 KCW33	2	3	H3276	AH3276	380	680	240	378	5060	9150
400	23980 CW33	9	3	-	-	400	540	106	71	1730	3900
	23980 KCW33	9	3	H3980	AH3980	400	540	106	71	1730	3900
	23080 CW33	0	3	-	-	400	600	148	150	2880	5700
	23080 KCW33	0	3	H3080	AH3080	400	600	148	148	2880	5700
	24080 CW33	0	4	-	-	400	600	200	205	3620	7800
	24080 K30CW33	0	4	-	AH24076	400	600	200	190	3620	7800
	23180 CW33	1	3	-	-	400	650	200	265	4080	7650
	23180 KCW33	1	3	H3180	AH3180	400	650	200	261	4080	7650
	24180 CW33	1	4	-	-	400	650	250	340	4890	9800
	24180 K30CW33	1	4	-	AH24180	400	650	250	340	4890	9800
	23280 CW33	2	3	-	-	400	720	256	450	5750	10400
	23280 KCW33	2	3	H3280	AH3280	400	720	256	454	5750	10400
420	23984 CW33	9	3	-	-	420	560	106	74,5	1760	4150
	23984 KCW33	9	3	H3984	AH3984	420	560	106	78	1760	4150
	23084 CW33	0	3	-	-	420	620	150	155	2990	6000
	23084 KCW33	0	3	H3084	AH3084	420	620	150	160	2990	6000
	24084 CW33	0	4	-	-	420	620	200	210	3740	8150
	24084 K30CW33	0	4	-	AH24080	420	620	200	197	3740	8150
	23184 CW33	1	3	-	-	420	700	224	350	4890	9300
	23184 KCW33	1	3	H3184	AH3184	420	700	224	350	4890	9300
	24184 CW33	1	4	-	-	420	700	280	445	5750	11400
	24184 K30CW33	1	4	-	AH24184	420	700	280	445	5750	11400
	23284 CW33	2	3	-	-	420	760	272	535	6330	11600
	23284 KCW33	2	3	H3284	AH3284	420	760	272	552	6330	11600
440	23988 CW33	9	3	-	-	440	600	118	99,5	2100	4900
	23988 KCW33	9	3	H3988	AH3988	440	600	118	103	2100	4900
	23088 CW33	0	3	-	-	440	650	157	180	3220	6550
	23088 KCW33	0	3	H3088	AH3088	440	650	157	182	3220	6550
	24088 CW33	0	4	-	-	440	650	212	245	4080	8800
	24088 K30CW33	0	4	-	AH24084	440	650	212	240	4080	8800
	23188 CW33	1	3	-	-	440	720	226	360	5180	10000
	23188 KCW33	1	3	H3188	AH3188	440	720	226	368	5180	10000
	24188 CW33	1	4	-	-	440	720	280	460	5980	12200
	24188 K30CW33	1	4	-	AH24188	440	720	280	460	5980	12200
	23288 CW33	2	3	-	-	440	790	280	590	6730	12500
	23288 KCW33	2	3	H3288	AH3288	440	790	280	604	6730	12500
460	23992 CW33	9	3	-	-	460	620	118	105	2190	5000
	23992 KCW33	9	3	H3992	AH3992	460	620	118	106	2190	5000
	23092 CW33	0	3	-	-	460	680	163	205	3450	6950
	23092 KCW33	0	3	H3092	AH3092	460	680	163	206	3450	6950
	24092 CW33	0	4	-	-	460	680	218	275	4370	9500
	24092 K30CW33	0	4	-	AH24088	460	680	218	270	4370	9500
	23192 CW33	1	3	-	-	460	760	240	440	5640	10800
	23192 KCW33	1	3	H3192	AH3192	460	760	240	433	5640	10800
	24192 CW33	1	4	-	-	460	760	300	560	7250	14600
	24192 K30CW33	1	4	-	AH24192	460	760	300	560	7250	14600
	23292 CW33	2	3	-	-	460	830	296	695	7360	13700
	23292 KCW33	2	3	H3292	AH3292	460	830	296	699	7360	13700
480	23996 CW33	9	3	-	-	480	650	128	125	2530	5700
	23996 KCW33	9	3	H3996	AH3996	480	650	128	130	2530	5700



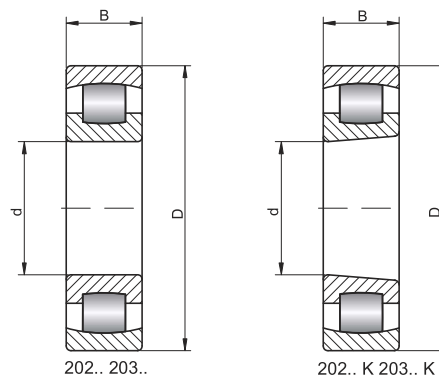
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
380	480	⊕	⊕	⊕	⊕	⊕	23276 KCW33
750	950	⊕	⊕	⊕	⊕	⊕	23980 CW33
750	950	⊕	⊕	⊕	⊕	⊕	23980 KCW33
600	750	⊕	⊕	⊕	⊕	⊕	23080 CW33
600	750	⊕	⊕	⊕	⊕	⊕	23080 KCW33
450	560	⊕	⊕	⊕	⊕	⊕	24080 CW33
450	560	⊕	⊕	⊕	⊕	⊕	24080 K30CW33
380	480	⊕	⊕	⊕	⊕	⊕	23180 CW33
380	480	⊕	⊕	⊕	⊕	⊕	23180 KCW33
180	240	⊕	⊕	⊕	⊕	⊕	24180 CW33
180	240	⊕	⊕	⊕	⊕	⊕	24180 K30CW33
340	430	⊕	⊕	⊕	⊕	⊕	23280 CW33
340	430	⊕	⊕	⊕	⊕	⊕	23280 KCW33
700	900	⊕	⊕	⊕	⊕	⊕	23984 CW33
700	900	⊕	⊕	⊕	⊕	⊕	23984 KCW33
450	516	⊕	⊕	⊕	⊕	⊕	23084 CW33
450	516	⊕	⊕	⊕	⊕	⊕	23084 KCW33
380	480	⊕	⊕	⊕	⊕	⊕	24084 CW33
380	480	⊕	⊕	⊕	⊕	⊕	24084 K30CW33
360	450	⊕	⊕	⊕	⊕	⊕	23184 CW33
360	450	⊕	⊕	⊕	⊕	⊕	23184 KCW33
170	220	⊕	⊕	⊕	⊕	⊕	24184 CW33
170	220	⊕	⊕	⊕	⊕	⊕	24184 K30CW33
320	400	⊕	⊕	⊕	⊕	⊕	23284 CW33
320	400	⊕	⊕	⊕	⊕	⊕	23284 KCW33
670	850	⊕	⊕	⊕	⊕	⊕	23988 CW33
670	850	⊕	⊕	⊕	⊕	⊕	23988 KCW33
430	530	⊕	⊕	⊕	⊕	⊕	23088 CW33
430	530	⊕	⊕	⊕	⊕	⊕	23088 KCW33
360	450	⊕	⊕	⊕	⊕	⊕	24088 CW33
360	450	⊕	⊕	⊕	⊕	⊕	24088 K30CW33
340	430	⊕	⊕	⊕	⊕	⊕	23188 CW33
340	430	⊕	⊕	⊕	⊕	⊕	23188 KCW33
170	220	⊕	⊕	⊕	⊕	⊕	24188 CW33
170	220	⊕	⊕	⊕	⊕	⊕	24188 K30CW33
320	400	⊕	⊕	⊕	⊕	⊕	23288 CW33
320	400	⊕	⊕	⊕	⊕	⊕	23288 KCW33
430	530	⊕	⊕	⊕	⊕	⊕	23992 CW33
430	530	⊕	⊕	⊕	⊕	⊕	23992 KCW33
400	500	⊕	⊕	⊕	⊕	⊕	23092 CW33
400	500	⊕	⊕	⊕	⊕	⊕	23092 KCW33
340	430	⊕	⊕	⊕	⊕	⊕	24092 CW33
340	430	⊕	⊕	⊕	⊕	⊕	24092 K30CW33
320	440	⊕	⊕	⊕	⊕	⊕	23192 CW33
320	440	⊕	⊕	⊕	⊕	⊕	23192 KCW33
160	200	⊕	⊕	⊕	⊕	⊕	24192 CW33
160	200	⊕	⊕	⊕	⊕	⊕	24192 K30CW33
300	380	⊕	⊕	⊕	⊕	⊕	23292 CW33
300	380	⊕	⊕	⊕	⊕	⊕	23292 KCW33
410	510	⊕	⊕	⊕	⊕	⊕	23996 CW33
410	510	⊕	⊕	⊕	⊕	⊕	23996 KCW33

* Other products also available



7. SPHERICAL ROLLER BEARINGS

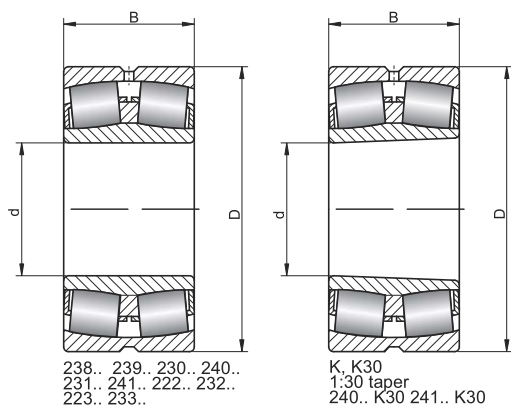
7.1. Single-row and double-row spherical roller bearings



480 – 600 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
480 cont.	23096 CW33	0	3	-	-	480	700	165	215	3340	6800
	23096 KCW33	0	3	H3096	AH3096	480	700	165	215	3340	6800
	24096 CW33	0	4	-	-	480	700	218	285	4490	10000
	24096 K30CW33	0	4	-	AH24092	480	700	218	270	4490	10000
	23196 CW33	1	3	-	-	480	790	248	485	6100	12000
	23196 KCW33	1	3	H3196	AH3196	480	790	248	485	6100	12000
	24196 CW33	1	4	-	-	480	790	308	605	7250	15000
	24196 K30CW33	1	4	-	AH24196	480	790	308	605	7250	15000
	23296 CW33	2	3	-	-	480	870	310	800	8170	15000
	23296 KCW33	2	3	H3296	AH3296	480	870	310	820	8170	15000
500	239/500 CW33	9	3	-	-	500	670	128	132	2600	6300
	239/500 KCW33	9	3	H39/500	AH39/500	500	670	128	130	2600	6300
	230/500 CW33	0	3	-	-	500	720	167	233	3900	8500
	230/500 KCW33	0	3	H30/500	AH30/500	500	720	167	225	3900	8500
	240/500 CW33	0	4	-	-	500	720	218	297	4900	11200
	240/500 K30CW33	0	4	-	AH240/500	500	720	218	292	4600	10300
	231/500 CW33	1	3	-	-	500	830	264	588	7100	14300
	231/500 KCW33	1	3	H31/500	AH31/500	500	830	264	577	7100	14300
	241/500 CW33	1	4	-	-	500	830	325	727	8650	18300
	241/500 K30CW33	1	4	-	AH241/500	500	830	325	701	7710	15900
	232/500 CW33	2	3	-	-	500	920	336	985	9780	18300
	232/500 KCW33	2	3	H32/500	AH32/500	500	920	336	992	8770	16700
530	239/530 CW33	9	3	-	-	530	710	136	160	2850	6800
	239/530 KCW33	9	3	H39/530	AH39/530	530	710	136	152	2850	6800
	230/530 CW33	0	3	-	-	530	780	185	321	4400	9500
	230/530 KCW33	0	3	H30/530	AH30/530	530	780	185	293	4400	9500
	240/530 CW33	0	4	-	-	530	780	250	415	6000	13700
	240/530 K30CW33	0	4	-	AH240/530	530	780	250	408	5430	12100
	231/530 CW33	1	3	-	-	530	870	272	643	7350	15300
	231/530 KCW33	1	3	H31/530	AH31/530	530	870	272	641	7170	14200
	241/530 CW33	1	4	-	-	530	870	335	1030	9500	20000
	241/530 K30CW33	1	4	-	AH241/530	530	870	335	784	8500	18000
	232/530 CW33	2	3	-	-	530	980	355	1200	11100	20400
	232/530 KCW33	2	3	H32/530	AH32/530	530	980	355	1200	10500	18900
560	238/560 CW33	8	3	-	-	560	680	90	70	1640	4470
	239/560 CW33	9	3	-	-	560	750	140	186	3100	7650
	239/560 KCW33	9	3	H39/560	AH39/560	560	750	140	175	3100	7650
	230/560 CW33	0	3	-	-	560	820	195	358	5100	11000
	230/560 KCW33	0	3	H30/560	AH30/560	560	820	195	350	5100	11000
	240/560 CW33	0	4	-	-	560	820	258	468	6400	14600
	240/560 K30CW33	0	4	-	AH240/560	560	820	258	460	5970	13300
	231/560 CW33	1	3	-	-	560	920	280	760	8150	16600
	231/560 KCW33	1	3	H31/560	AH31/560	560	920	280	740	7800	15500
	241/560 CW33	1	4	-	-	560	920	355	1250	10600	22400
	241/560 K30CW33	1	4	-	AH241/560	560	920	355	930	8920	18400
	232/560 CW33	2	3	-	-	560	1030	365	1350	11500	22000
	232/560 KCW33	2	3	H32/560	AH32/560	560	1030	365	1350	11200	20300
600	239/600 CW33	9	3	-	-	600	800	150	224	3450	8650
	239/600 KCW33	9	3	H39/600	AH39/600	600	800	150	210	3450	8650
	230/600 CW33	0	3	-	-	600	870	200	409	5700	12500
	230/600 KCW33	0	3	H30/600	AH30/600	600	870	200	400	5700	12500
	240/600 CW33	0	4	-	-	600	870	272	540	7100	16600

- warehouse
 - order
 - phone



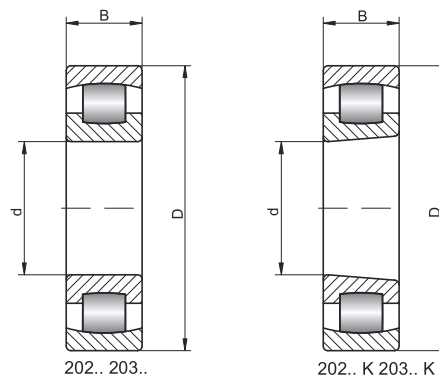
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
380	480	↗	↗	↗	↗	↗	23096 CW33
380	480	↗	↗	↗	↗	↗	23096 KCW33
340	430	↗	↗	↗	↗	↗	24096 CW33
340	430	↗	↗	↗	↗	↗	24096 K30CW33
300	380	↗	↗	↗	↗	↗	23196 CW33
300	380	↗	↗	↗	↗	↗	23196 KCW33
150	190	↗	↗	↗	↗	↗	24196 CW33
150	190	↗	↗	↗	↗	↗	24196 K30CW33
260	340	↗	↗	↗	↗	↗	23296 CW33
260	340	↗	↗	↗	↗	↗	23296 KCW33
400	500	↗	↗	↗	↗	↗	239/500 CW33
400	500	↗	↗	↗	↗	↗	239/500 KCW33
310	410	↗	↗	↗	↗	↗	230/500 CW33
310	410	↗	↗	↗	↗	↗	230/500 KCW33
310	410	↗	↗	↗	↗	↗	240/500 CW33
310	410	↗	↗	↗	↗	↗	240/500 K30CW33
260	350	↗	↗	↗	↗	↗	231/500 CW33
260	350	↗	↗	↗	↗	↗	231/500 KCW33
140	180	↗	↗	↗	↗	↗	241/500 CW33
140	180	↗	↗	↗	↗	↗	241/500 K30CW33
240	320	↗	↗	↗	↗	↗	232/500 CW33
230	310	↗	↗	↗	↗	↗	232/500 KCW33
360	450	↗	↗	↗	↗	↗	239/530 CW33
360	450	↗	↗	↗	↗	↗	239/530 KCW33
280	370	↗	↗	↗	↗	↗	230/530 CW33
280	370	↗	↗	↗	↗	↗	230/530 KCW33
280	370	↗	↗	↗	↗	↗	240/530 CW33
280	370	↗	↗	↗	↗	↗	240/530 K30CW33
235	315	↗	↗	↗	↗	↗	231/530 CW33
235	315	↗	↗	↗	↗	↗	231/530 KCW33
130	165	↗	↗	↗	↗	↗	241/530 CW33
130	165	↗	↗	↗	↗	↗	241/530 K30CW33
220	300	↗	↗	↗	↗	↗	232/530 CW33
220	300	↗	↗	↗	↗	↗	232/530 KCW33
360	450	↗	↗	↗	↗	↗	238/560 CW33
340	430	↗	↗	↗	↗	↗	239/560 CW33
340	430	↗	↗	↗	↗	↗	239/560 KCW33
265	355	↗	↗	↗	↗	↗	230/560 CW33
265	355	↗	↗	↗	↗	↗	230/560 KCW33
265	355	↗	↗	↗	↗	↗	240/560 CW33
265	355	↗	↗	↗	↗	↗	240/560 K30CW33
225	305	↗	↗	↗	↗	↗	231/560 CW33
225	305	↗	↗	↗	↗	↗	231/560 KCW33
120	155	↗	↗	↗	↗	↗	241/560 CW33
120	155	↗	↗	↗	↗	↗	241/560 K30CW33
200	280	↗	↗	↗	↗	↗	232/560 CW33
200	280	↗	↗	↗	↗	↗	232/560 KCW33
320	400	↗	↗	↗	↗	↗	239/600 CW33
320	400	↗	↗	↗	↗	↗	239/600 KCW33
250	330	↗	↗	↗	↗	↗	230/600 CW33
250	330	↗	↗	↗	↗	↗	230/600 KCW33
250	330	↗	↗	↗	↗	↗	240/600 CW33

* Other products also available



7. SPHERICAL ROLLER BEARINGS

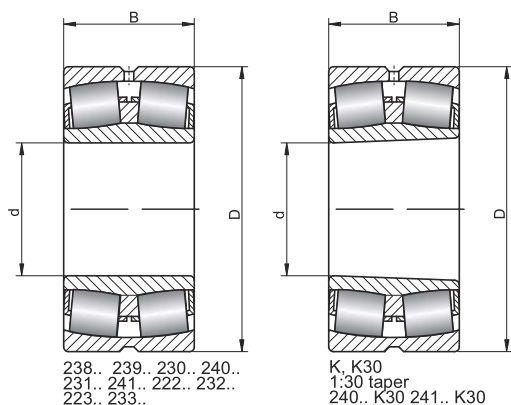
7.1. Single-row and double-row spherical roller bearings



600 – 800 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
600 cont.	240/600 K30CW33	0	4	-	AH240/600	600	870	272	538	6660	15500
	231/600 CW33	1	3	-	-	600	980	300	929	9000	19300
	231/600 KCW33	1	3	H31/600	AH31/600	600	980	300	888	9040	18400
	241/600 CW33	1	4	-	-	600	980	375	1180	11600	26000
	241/600 K30CW33	1	4	-	AH241/600	600	980	375	1100	10200	21600
	232/600 CW33	2	3	-	-	600	1090	388	1600	13100	25500
	232/600 KCW33	2	3	H32/600	AH32/600	600	1090	388	1590	12800	24000
630	239/630 CW33	9	3	-	-	630	850	165	292	4050	9800
	239/630 KCW33	9	3	H39/630	AH39/630	630	850	165	281	4050	9800
	230/630 CW33	0	3	-	-	630	920	212	514	6300	13700
	230/630 KCW33	0	3	H30/630	AH30/630	630	920	212	488	6300	13700
	240/630 CW33	0	4	-	-	630	920	290	653	8000	19000
	240/630 K30CW33	0	4	-	AH240/630	630	920	290	650	7410	17200
	231/630 CW33	1	3	-	-	630	1030	315	1070	9610	19500
	231/630 KCW33	1	3	H31/630	AH31/630	630	1030	315	1040	9610	19500
	241/630 CW33	1	4	-	-	630	1030	400	1360	12900	29000
	241/630 K30CW33	1	4	-	AH241/630	630	1030	400	1310	11600	25000
	232/630 CW33	2	3	-	-	630	1150	412	1880	14400	27100
	232/630 KCW33	2	3	H32/630	AH32/630	630	1150	412	1880	14400	27100
670	239/670 CW33	9	3	-	-	670	900	170	323	4300	10600
	239/670 KCW33	9	3	H39/670	AH39/670	670	900	170	316	4300	10600
	230/670 CW33	0	3	-	-	670	980	230	600	7200	16000
	230/670 KCW33	0	3	H30/670	AH30/670	670	980	230	590	7200	16000
	240/670 CW33	0	4	-	-	670	980	308	796	8230	19300
	240/670 K30CW33	0	4	-	AH240/670	670	980	308	783	8230	19300
	231/670 CW33	1	3	-	-	670	1090	336	1270	10600	21800
	231/670 KCW33	1	3	H31/670	AH31/670	670	1090	336	1240	10600	21800
	241/670 CW33	1	4	-	-	670	1090	412	2010	14000	31500
	241/670 K30CW33	1	4	-	AH241/670	670	1090	412	1500	12100	25900
710	239/710 CW33	9	3	-	-	710	950	180	355	4800	12000
	239/710 KCW33	9	3	H39/710	AH39/710	710	950	180	347	4800	12000
	230/710 CW33	0	3	-	-	710	1030	236	674	7650	17000
	230/710 KCW33	0	3	H30/710	AH30/710	710	1030	236	652	7650	17000
	240/710 CW33	0	4	-	-	710	1030	315	873	9500	22800
	240/710 K30CW33	0	4	-	AH240/710	710	1030	315	872	9050	21500
	231/710 CW33	1	3	-	-	710	1150	345	1440	11800	24800
	231/710 KCW33	1	3	H31/710	AH31/710	710	1150	345	1400	11800	24800
	241/710 CW33	1	4	-	-	710	1150	438	1830	15600	35500
	241/710 K30CW33	1	4	-	AH241/710	710	1150	438	1760	14400	31900
750	239/750 CW33	9	3	-	-	750	1000	185	426	5200	12900
	239/750 KCW33	9	3	H39/750	AH39/750	750	1000	185	418	5200	12900
	230/750 CW33	0	3	-	-	750	1090	250	806	8500	19000
	230/750 KCW33	0	3	H30/750	AH30/750	750	1090	250	783	8500	19000
	240/750 CW33	0	4	-	-	750	1090	335	1070	10800	26000
	240/750 K30CW33	0	4	-	AH240/750	750	1090	335	1040	9550	23000
	231/750 CW33	1	3	-	-	750	1220	365	1720	13300	28000
	231/750 KCW33	1	3	H31/750	AH31/750	750	1220	365	1670	13300	28000
800	239/800 CW33	9	3	-	-	800	1060	195	506	5850	15000
	239/800 KCW33	9	3	H39/800	AH39/800	800	1060	195	490	5850	15000
	230/800 CW33	0	3	-	-	800	1150	258	899	9300	21200
	230/800 KCW33	0	3	H30/800	AH30/800	800	1150	258	900	9300	21200

- warehouse - order - phone



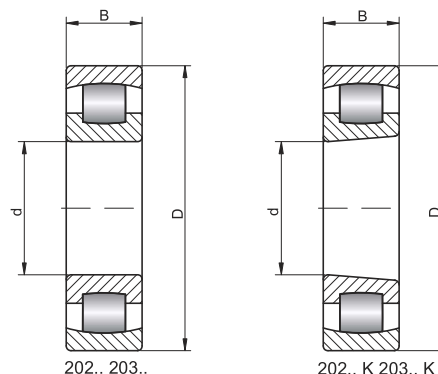
Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
250	330	↗	↗	↗	↗	↗	240/600 K30CW33
210	280	↗	↗	↗	↗	↗	231/600 CW33
210	280	↗	↗	↗	↗	↗	231/600 KCW33
115	145	↗	↗	↗	↗	↗	241/600 CW33
115	145	↗	↗	↗	↗	↗	241/600 K30CW33
190	260	↗	↗	↗	↗	↗	232/600 CW33
190	260	↗	↗	↗	↗	↗	232/600 KCW33
280	360	↗	↗	↗	↗	↗	239/630 CW33
280	360	↗	↗	↗	↗	↗	239/630 KCW33
220	300	↗	↗	↗	↗	↗	230/630 CW33
220	300	↗	↗	↗	↗	↗	230/630 KCW33
220	300	↗	↗	↗	↗	↗	240/630 CW33
220	300	↗	↗	↗	↗	↗	240/630 K30CW33
185	255	↗	↗	↗	↗	↗	231/630 CW33
185	255	↗	↗	↗	↗	↗	231/630 KCW33
100	130	↗	↗	↗	↗	↗	241/630 CW33
100	130	↗	↗	↗	↗	↗	241/630 K30CW33
180	240	↗	↗	↗	↗	↗	232/630 CW33
180	240	↗	↗	↗	↗	↗	232/630 KCW33
260	340	↗	↗	↗	↗	↗	239/670 CW33
260	340	↗	↗	↗	↗	↗	239/670 KCW33
205	280	↗	↗	↗	↗	↗	230/670 CW33
205	280	↗	↗	↗	↗	↗	230/670 KCW33
205	280	↗	↗	↗	↗	↗	240/670 CW33
205	280	↗	↗	↗	↗	↗	240/670 K30CW33
170	240	↗	↗	↗	↗	↗	231/670 CW33
170	240	↗	↗	↗	↗	↗	231/670 KCW33
95	125	↗	↗	↗	↗	↗	241/670 CW33
95	125	↗	↗	↗	↗	↗	241/670 K30CW33
240	320	↗	↗	↗	↗	↗	239/710 CW33
240	320	↗	↗	↗	↗	↗	239/710 KCW33
190	265	↗	↗	↗	↗	↗	230/710 CW33
190	265	↗	↗	↗	↗	↗	230/710 KCW33
190	265	↗	↗	↗	↗	↗	240/710 CW33
190	265	↗	↗	↗	↗	↗	240/710 K30CW33
160	225	↗	↗	↗	↗	↗	231/710 CW33
160	225	↗	↗	↗	↗	↗	231/710 KCW33
85	120	↗	↗	↗	↗	↗	241/710 CW33
85	120	↗	↗	↗	↗	↗	241/710 K30CW33
220	300	↗	↗	↗	↗	↗	239/750 CW33
220	300	↗	↗	↗	↗	↗	239/750 KCW33
175	250	↗	↗	↗	↗	↗	230/750 CW33
175	250	↗	↗	↗	↗	↗	230/750 KCW33
175	250	↗	↗	↗	↗	↗	240/750 CW33
175	250	↗	↗	↗	↗	↗	240/750 K30CW33
145	210	↗	↗	↗	↗	↗	231/750 CW33
145	210	↗	↗	↗	↗	↗	231/750 KCW33
200	280	↗	↗	↗	↗	↗	239/800 CW33
200	280	↗	↗	↗	↗	↗	239/800 KCW33
155	230	↗	↗	↗	↗	↗	230/800 CW33
155	230	↗	↗	↗	↗	↗	230/800 KCW33

* Other products also available



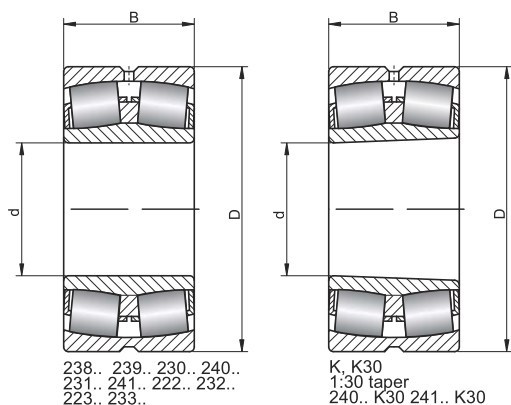
7. SPHERICAL ROLLER BEARINGS

7.1. Single-row and double-row spherical roller bearings



800 – 1250 mm

d [mm]	Bearing No.	Series		Sleeve No.		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	H..	AH..	d	D	B		dyn. C	stat. C ₀
800 cont.	240/800 CW33	0	4	-	-	800	1150	345	1200	11600	28500
	240/800 K30CW33	0	4	-	AH240/800	800	1150	345	1170	11200	26900
	231/800 CW33	1	3	-	-	800	1280	375	1910	13800	29400
	231/800 KCW33	1	3	H31/800	AH31/800	800	1280	375	1850	13800	29400
850	239/850 CW33	9	3	-	-	850	1120	200	579	6300	16300
	239/850 KCW33	9	3	H39/850	AH39/850	850	1120	200	563	6300	16300
	230/850 CW33	0	3	-	-	850	1220	272	1080	9570	22600
	230/850 KCW33	0	3	H30/850	AH30/850	850	1220	272	1050	9570	22600
	240/850 CW33	0	4	-	-	850	1220	365	1420	12900	32000
	240/850 K30CW33	0	4	-	AH240/850	850	1220	365	1390	12000	30000
	231/850 CW33	1	3	-	-	850	1360	400	2300	15600	33600
	231/850 KCW33	1	3	H31/850	AH31/850	850	1360	400	2230	15600	33600
900	239/900 CW33	9	3	-	-	900	1180	206	653	6550	17300
	239/900 KCW33	9	3	H39/900	AH39/900	900	1180	206	630	6550	17300
	230/900 CW33	0	3	-	-	900	1280	280	1200	10300	24800
	230/900 KCW33	0	3	H30/900	AH30/900	900	1280	280	1160	10300	24800
	240/900 CW33	0	4	-	-	900	1280	375	1570	13200	33400
	240/900 K30CW33	0	4	-	AH240/900	900	1280	375	1550	13200	33400
	231/900 CW33	1	3	-	-	900	1420	412	2530	16800	37100
	231/900 KCW33	1	3	H31/900	AH31/900	900	1420	412	2450	16800	37100
950	239/950 CW33	9	3	-	-	950	1250	224	755	7790	20700
	239/950 KCW33	9	3	H39/950	-	950	1250	224	731	7790	20700
	230/950 CW33	0	3	-	-	950	1360	300	1470	11500	27700
	230/950 KCW33	0	3	H30/950	AH30/950	950	1360	300	1420	11500	27700
	240/950 CW33	0	4	-	-	950	1360	412	1970	15200	38300
	240/950 K30CW33	0	4	-	AH240/950	950	1360	412	1940	15200	38300
1000	238/1000 CW33	8	3	-	-	1000	1220	165	410	4640	13600
	239/1000 CW33	9	3	-	-	1000	1320	236	895	8240	21500
	239/1000 KCW33	9	3	H39/1000	-	1000	1320	236	866	8240	21500
	230/1000 CW33	0	3	-	-	1000	1420	308	1620	12300	30000
	230/1000 KCW33	0	3	H30/1000	AH30/1000	1000	1420	308	1570	12300	30000
	240/1000 CW33	0	4	-	-	1000	1420	412	2120	16200	41800
	240/1000 K30CW33	0	4	-	AH240/1000	1000	1420	412	2090	16200	41800
1060	238/1060 CW33	8	3	-	-	1060	1280	165	440	4790	14500
	239/1060 CW33	9	3	-	-	1060	1400	250	1040	9500	25300
	239/1060 KCW33	9	3	H39/1060	-	1060	1400	250	1010	9500	25300
	240/1060 CW33	0	4	-	-	1060	1500	438	2490	17500	45300
	240/1060 K30CW33	0	4	-	AH240/1060	1060	1500	438	2450	17500	45300
1120	239/1120 CW33	9	3	-	-	1120	1460	250	1100	9520	25700
	239/1120 KCW33	9	3	H39/1120	-	1120	1460	250	1060	9520	25700
	240/1120 CW33	0	4	-	-	1120	1580	462	2900	19600	51000
	240/1120 K30CW33	0	4	-	AH240/1120	1120	1580	462	2860	19600	51000
1180	239/1180 CW33	9	3	-	-	1180	1540	272	1330	10900	29800
	239/1180 KCW33	9	3	H39/1180	-	1180	1540	272	1280	10900	29800
1250	239/1250 CW33	9	3	-	-	1250	1630	280	1530	11500	31500
	239/1250 KCW33	9	3	H39/1250	-	1250	1630	280	1480	11500	31500



Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C3	C4	
155	230	↗	↗	↗	↗	↗	240/800 CW33
155	230	↗	↗	↗	↗	↗	240/800 K30CW33
130	200	↗	↗	↗	↗	↗	231/800 CW33
130	200	↗	↗	↗	↗	↗	231/800 KCW33
190	260	↗	↗	↗	↗	↗	239/850 CW33
190	260	↗	↗	↗	↗	↗	239/850 KCW33
150	215	↗	↗	↗	↗	↗	230/850 CW33
150	215	↗	↗	↗	↗	↗	230/850 KCW33
150	215	↗	↗	↗	↗	↗	240/850 CW33
150	215	↗	↗	↗	↗	↗	240/850 K30CW33
125	185	↗	↗	↗	↗	↗	231/850 CW33
125	185	↗	↗	↗	↗	↗	231/850 KCW33
180	250	↗	↗	↗	↗	↗	239/900 CW33
180	250	↗	↗	↗	↗	↗	239/900 KCW33
140	205	↗	↗	↗	↗	↗	230/900 CW33
140	205	↗	↗	↗	↗	↗	230/900 KCW33
140	205	↗	↗	↗	↗	↗	240/900 CW33
140	205	↗	↗	↗	↗	↗	240/900 K30CW33
120	175	↗	↗	↗	↗	↗	231/900 CW33
120	175	↗	↗	↗	↗	↗	231/900 KCW33
170	240	↗	↗	↗	↗	↗	239/950 CW33
170	240	↗	↗	↗	↗	↗	239/950 KCW33
135	200	↗	↗	↗	↗	↗	230/950 CW33
135	200	↗	↗	↗	↗	↗	230/950 KCW33
135	200	↗	↗	↗	↗	↗	240/950 CW33
135	200	↗	↗	↗	↗	↗	240/950 K30CW33
180	250	↗	↗	↗	↗	↗	238/1000 CW33
160	230	↗	↗	↗	↗	↗	239/1000 CW33
160	230	↗	↗	↗	↗	↗	239/1000 KCW33
125	190	↗	↗	↗	↗	↗	230/1000 CW33
125	190	↗	↗	↗	↗	↗	230/1000 KCW33
125	190	↗	↗	↗	↗	↗	240/1000 CW33
125	190	↗	↗	↗	↗	↗	240/1000 K30CW33
170	240	↗	↗	↗	↗	↗	238/1060 CW33
150	220	↗	↗	↗	↗	↗	239/1060 CW33
150	220	↗	↗	↗	↗	↗	239/1060 KCW33
120	185	↗	↗	↗	↗	↗	240/1060 CW33
120	185	↗	↗	↗	↗	↗	240/1060 K30CW33
130	200	↗	↗	↗	↗	↗	239/1120 CW33
130	200	↗	↗	↗	↗	↗	239/1120 KCW33
105	165	↗	↗	↗	↗	↗	240/1120 CW33
105	165	↗	↗	↗	↗	↗	240/1120 K30CW33
110	180	↗	↗	↗	↗	↗	239/1180 CW33
110	180	↗	↗	↗	↗	↗	239/1180 KCW33
100	160	↗	↗	↗	↗	↗	239/1250 CW33
100	160	↗	↗	↗	↗	↗	239/1250 KCW33

* Other products also available

