

## Spherical roller bearings

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
25	52	18	1	43	0.35	1.9	2.9	43	1.8	7500	10000	<b>22205C</b>	0.180
	52	18	1	43	0.35	1.9	2.9	43	1.8	7500	10000	<b>22205CK</b>	0.180
	52	18	1	43	0.35	1.9	2.9	43	1.8	7500	10000	<b>22205CKW33</b>	0.180
30	62	20	1	59	0.36	1.9	2.8	62	1.9	6300	8500	<b>22206C</b>	0.280
	62	20	1	59	0.36	1.9	2.8	62	1.9	6300	8500	<b>22206CK</b>	0.280
	62	20	1	59	0.36	1.9	2.8	62	1.9	6300	8500	<b>22206CKW33</b>	0.280
35	72	23	1.1	81	0.36	1.9	2.8	88	1.9	5300	7000	<b>22207C</b>	0.430
	72	23	1.1	81	0.36	1.9	2.8	88	1.9	5300	7000	<b>22207CK</b>	0.430
	72	23	1.1	81	0.36	1.9	2.8	88	1.9	5300	7000	<b>22207CKW33</b>	0.430
40	80	23	1.1	88	0.31	2.2	3.2	98	2.1	4800	6300	<b>22208 C</b>	0.520
	80	23	1.1	88	0.31	2.2	3.2	98	2.1	4800	6300	<b>22208 CK</b>	0.510
	80	23	1.1	88	0.31	2.2	3.2	98	2.1	4800	6300	<b>22208 CKW33</b>	0.510
	90	23	1.5	99	0.26	2.6	3.9	120	2.6	4500	6000	<b>21308 C</b>	0.710
	90	23	1.5	99	0.26	2.6	3.9	120	2.6	4500	6000	<b>21308 CK</b>	0.700
	90	23	1.5	99	0.26	2.6	3.8	120	2.5	4500	6000	<b>21308 CKW33</b>	0.700
	90	33	1.5	140	0.4	1.6	2.5	145	1.6	4300	5600	<b>22308C</b>	1.100
	90	33	1.5	140	0.4	1.6	2.5	145	1.6	4300	5600	<b>22308CK</b>	1.100
	90	33	1.5	140	0.4	1.6	2.5	145	1.6	4300	5600	<b>22308CKW33</b>	1.000
	90	33	1.5	140	0.4	1.7	2.5	145	1.6	4300	5600	<b>22308 MB</b>	1.200
	90	33	1.5	125	0.4	1.7	2.5	135	1.6	3800	5000	<b>22308 MBW33</b>	1.050
	90	33	1.5	125	0.4	1.7	2.5	135	1.6	3800	5000	<b>22308 MBK</b>	1.000
45	85	23	1.1	93	0.26	2.6	3.8	105	2.5	4500	6000	<b>22209 C</b>	0.560
	85	23	1.1	93	0.26	2.6	2.4	105	2.5	4500	6000	<b>22209 CW33</b>	0.550
	85	23	1.1	93	0.26	2.6	3.4	105	2.5	4500	6000	<b>22209 CK</b>	0.550
	85	23	1.1	93	0.26	2.6	3.4	105	2.5	4500	6000	<b>22209 CKW33</b>	0.550
	100	25	1.5	120	0.26	2.6	3.9	135	2.6	4000	5300	<b>21309 C</b>	0.950
	100	25	1.5	120	0.26	2.6	3.9	135	2.6	4000	5300	<b>21309 CK</b>	0.940
	100	25	1.5	120	0.26	2.6	3.9	135	2.6	4000	5300	<b>21309 CKW33</b>	0.940
	100	36	1.5	165	0.35	1.9	2.9	190	1.9	3800	5000	<b>22309 C</b>	1.350
	100	36	1.5	165	0.35	1.9	2.9	190	1.9	3800	5000	<b>22309 CK</b>	1.300
	100	36	1.5	165	0.4	1.9	2.9	190	1.9	3800	5000	<b>22309 CKW33</b>	1.300
	100	36	1.5	165	0.4	1.9	2.9	190	1.9	3800	5000	<b>22309 CW33</b>	1.300
	100	36	1.5	150	0.4	1.7	2.5	175	1.6	3400	4500	<b>22309 MB</b>	1.360
100	36	1.5	150	0.4	1.7	2.5	175	1.6	3400	4500	<b>22309 MBK</b>	1.350	
100	36	1.5	150	0.4	1.7	2.5	175	1.6	3400	4500	<b>22309 MBKW33</b>	1.350	
100	36	1.5	150	0.4	1.7	2.5	175	1.6	3400	4500	<b>22309 MBW33</b>	1.350	
50	90	23	1.1	100	0.24	2.9	4.2	120	2.7	4000	5300	<b>22210 C</b>	0.610
	90	23	1.1	100	0.24	2.9	4.2	120	2.7	4000	5300	<b>22210 CK</b>	0.600
	90	23	1.1	100	0.24	2.9	4.2	120	2.7	4000	5300	<b>22210 CKW33</b>	0.600
	90	23	1.1	100	0.24	2.9	4.2	120	2.7	4000	5300	<b>22210 CW33</b>	0.600
	110	27	2	120	0.24	2.8	4.1	130	2.7	3600	4800	<b>21310 C</b>	1.250
	110	27	2	120	0.24	2.8	4.1	130	2.7	3600	4800	<b>21310 CK</b>	1.200
	110	27	2	120	0.24	2.8	4.1	130	2.7	3600	4800	<b>21310 CKW33</b>	1.200
	110	40	2	190	0.38	1.8	2.7	220	1.7	3400	4500	<b>22310 C</b>	1.850
110	40	2	190	0.38	1.8	2.7	220	1.7	3400	4500	<b>22310 CK</b>	1.800	

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	110	40	2	190	0.4	1.8	2.7	220	1.7	3400	4500	<b>22310 CKW33</b>	1.800
	110	40	2	190	0.4	1.8	2.7	220	1.7	3400	4500	<b>22310 CW33</b>	1.800
	110	40	2	195	0.4	1.7	2.5	220	1.6	3000	4000	<b>22310 MB</b>	1.840
	110	40	2	195	0.4	1.7	2.5	220	1.6	3000	4000	<b>22310 MBK</b>	1.850
	110	40	2	195	0.4	1.7	2.5	220	1.6	3000	4000	<b>22310 MBKW33</b>	1.830
	110	40	2	195	0.4	1.7	2.5	220	1.6	3000	4000	<b>22310 MBW33</b>	1.840
55	100	25	1.5	120	0.27	2.7	4.1	140	2.7	3800	5000	<b>22211 C</b>	0.820
	100	25	1.5	120	0.27	2.7	4.1	140	2.7	3800	5000	<b>22211 CK</b>	0.800
	100	25	1.5	120	0.27	2.7	4.1	140	2.7	3800	5000	<b>22211 CKW33</b>	0.800
	100	25	1.5	120	0.27	2.7	4.1	140	2.7	3800	5000	<b>22211 CW33</b>	0.800
	120	29	2	135	0.24	2.8	4.1	155	2.7	3200	4300	<b>21311 C</b>	1.650
	120	29	2	135	0.24	2.8	4.1	155	2.7	3200	4300	<b>21311 CK</b>	1.600
	120	43	2	230	0.4	1.7	2.5	265	1.6	3000	4000	<b>22311 C</b>	2.350
	120	43	2	230	0.4	1.7	2.5	265	1.6	3000	4000	<b>22311 CW33</b>	2.250
	120	43	2	230	0.4	1.7	2.5	265	1.6	3000	4000	<b>22311 CK</b>	2.300
	120	43	2	230	0.4	1.7	2.5	265	1.6	3000	4000	<b>22311 CKW33</b>	2.200
	120	43	2	220	0.4	1.7	2.5	255	1.6	2800	3600	<b>22311 MA</b>	2.490
	120	43	2	220	0.4	1.7	2.5	255	1.6	2800	3600	<b>22311 MB</b>	2.430
	120	43	2	220	0.4	1.7	2.5	255	1.6	2800	3600	<b>22311 MBK</b>	2.400
	120	43	2	220	0.4	1.7	2.5	255	1.6	2800	3600	<b>22311 MBW33</b>	2.300
60	110	28	1.5	145	0.27	2.7	4	175	2.7	3400	4500	<b>22212 C</b>	1.160
	110	28	1.5	145	0.27	2.7	4	175	2.7	3400	4500	<b>22212 CW33</b>	1.100
	110	28	1.5	145	0.27	2.7	4	175	2.7	3400	4500	<b>22212 CK</b>	1.100
	110	28	1.5	145	0.27	2.7	4	175	2.7	3400	4500	<b>22212 CKW33</b>	1.100
	130	31	2.1	150	0.24	2.9	4.3	180	2.8	3000	4000	<b>21312 C</b>	1.950
	130	31	2.1	150	0.24	2.9	4.3	180	2.8	3000	4000	<b>21312 CK</b>	1.900
	130	46	2.1	270	0.4	1.7	2.5	320	1.7	2800	3800	<b>22312 C</b>	2.950
	130	46	2.1	270	0.4	1.7	2.5	320	1.7	2800	3800	<b>22312 CK</b>	2.850
	130	46	2.1	270	0.4	1.7	2.5	320	1.7	2800	3800	<b>22312 CKW33</b>	2.800
	130	46	2.1	270	0.4	1.7	2.5	320	1.7	2800	3800	<b>22312 CW33</b>	2.850
	130	46	2.1	260	0.4	1.7	2.5	310	1.7	2600	3400	<b>22312 MB</b>	2.980
	130	46	2.1	260	0.4	1.7	2.5	310	1.7	2600	3400	<b>22312 MBW33</b>	2.850
	130	46	2.1	260	0.4	1.7	2.5	310	1.7	2600	3400	<b>22312 MBK</b>	2.900
	130	46	2.1	260	0.4	1.7	2.5	310	1.7	2600	3400	<b>22312 MBKW33</b>	2.800
65	120	31	1.5	180	0.28	2.4	3.6	220	2.4	3000	4000	<b>22213 C</b>	1.450
	120	31	1.5	180	0.28	2.4	3.6	220	2.4	3000	4000	<b>22213 CK</b>	1.400
	120	31	1.5	180	0.28	2.4	3.6	220	2.4	3000	4000	<b>22213 CKW33</b>	1.300
	120	31	1.5	180	0.28	2.4	3.6	220	2.4	3000	4000	<b>22213 CW33</b>	1.350
	120	31	1.5	165	0.28	2.4	3.6	200	2.4	2800	3600	<b>22213 MB</b>	1.730
	120	31	1.5	165	0.28	2.4	3.6	200	2.4	2800	3600	<b>22213 MBW33</b>	1.600
	120	31	1.5	165	0.28	2.4	3.6	200	2.4	2800	3600	<b>22213 MBK</b>	1.650
	120	31	1.5	165	0.28	2.4	3.6	200	2.4	2800	3600	<b>22213 MBKW33</b>	1.550
	140	33	2.1	220	0.24	2.8	4.2	290	2.8	2800	3800	<b>21313 C</b>	2.450
	140	33	2.1	220	0.24	2.8	4.2	290	2.8	2800	3800	<b>21313 CK</b>	2.400
	140	48	2.1	305	0.39	1.7	2.6	360	1.7	2800	3600	<b>22313 C</b>	3.550
	140	48	2.1	305	0.39	1.7	2.6	360	1.7	2800	3600	<b>22313 CK</b>	3.450
	140	48	2.1	305	0.39	1.7	2.6	360	1.7	2800	3600	<b>22313 CKW33</b>	3.350
	140	48	2.1	305	0.39	1.7	2.6	360	1.7	2800	3600	<b>22313 CW33</b>	3.400

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
70	140	48	2.1	280	0.39	1.7	2.6	330	1.7	2400	3200	<b>22313 MA</b>	3.560
	140	48	1.5	280	0.38	1.8	2.6	330	1.7	2400	3200	<b>22313 MB</b>	3.510
	140	48	1.5	280	0.39	1.7	2.6	330	1.7	2400	3200	<b>22313 MBW33</b>	3.400
	140	48	2.1	280	0.39	1.7	2.6	330	1.7	2400	3200	<b>22313 MBK</b>	3.450
	140	48	2.1	280	0.39	1.7	2.6	330	1.7	2400	3200	<b>22313 MBKW33</b>	2.350
	125	31	1.5	180	0.26	2.6	3.9	225	2.6	2800	3800	<b>22214 C</b>	1.550
	125	31	1.5	180	0.26	2.6	3.9	225	2.6	2800	3800	<b>22214 CK</b>	1.500
	125	31	1.5	180	0.26	2.6	3.9	225	2.6	2800	3800	<b>22214 CKW33</b>	1.400
	125	31	1.5	180	0.26	2.6	3.9	225	2.6	2800	3800	<b>22214 CW33</b>	1.450
	150	35	2.1	250	0.24	2.8	4.2	310	2.9	2600	3400	<b>21314 C</b>	3.100
	150	35	2.1	250	0.24	2.8	4.2	310	2.9	2600	3400	<b>21314 CK</b>	3.000
	150	51	2.1	375	0.38	1.9	2.9	455	1.9	2400	3200	<b>22314 C</b>	4.350
	150	51	2.1	375	0.38	1.9	2.9	455	1.9	2400	3200	<b>22314 CK</b>	4.300
	150	51	2.1	375	0.38	1.9	2.9	455	1.9	2400	3200	<b>22314 CKW33</b>	4.200
	150	51	2.1	375	0.38	1.9	2.9	455	1.9	2400	3200	<b>22314 CW33</b>	4.250
150	51	2.1	340	0.37	1.8	2.7	420	1.8	2200	2800	<b>22314 MB</b>	4.430	
150	51	2.1	340	0.37	1.8	2.7	420	1.7	2200	2800	<b>22314 MBK</b>	4.380	
150	51	2.1	340	0.37	1.8	2.7	420	1.7	2200	2800	<b>22314 MBKW33</b>	4.280	
150	51	2.1	340	0.37	1.8	2.7	420	1.7	2200	2800	<b>22314 MBW33</b>	4.320	
75	130	31	1.5	190	0.23	2.9	4.4	250	2.9	2800	3800	<b>22215 C</b>	1.800
	130	31	1.5	190	0.23	2.9	4.4	250	2.9	2800	3800	<b>22215 CK</b>	1.750
	130	31	1.5	190	0.24	2.9	4.4	250	2.9	2800	3800	<b>22215 CKW33</b>	1.600
	130	31	1.5	190	0.24	2.9	4.4	250	2.9	2800	3800	<b>22215 CW33</b>	1.650
	130	31	1.5	175	0.24	2.8	4.1	230	2.7	2600	3400	<b>22215 MB</b>	1.850
	130	31	1.5	175	0.24	2.8	4.1	230	2.7	2600	3400	<b>22215 MBK</b>	1.800
	130	31	1.5	175	0.24	2.8	4.1	230	2.7	2600	3400	<b>22215 MBKW33</b>	1.720
	130	31	1.5	175	0.24	2.8	4.1	230	2.7	2600	3400	<b>22215 MBW33</b>	1.770
	160	37	2.1	280	0.23	2.9	4.3	360	2.9	2400	3200	<b>21315 CW33</b>	3.550
	160	37	2.1	280	0.23	2.9	4.3	360	2.9	2400	3200	<b>21315 CKW33</b>	3.500
	160	55	2.1	415	0.38	1.8	2.6	520	1.7	2200	3000	<b>22315 C</b>	5.320
	160	55	2.1	415	0.38	1.8	2.6	520	1.7	2200	3000	<b>22315 CK</b>	5.280
	160	55	2.1	415	0.38	1.8	2.6	520	1.7	2200	3000	<b>22315 CKW33</b>	5.150
	160	55	2.1	415	0.38	1.8	2.6	520	1.7	2200	3000	<b>22315 CW33</b>	5.250
	160	55	2.1	380	0.34	1.9	2.9	475	1.9	1900	2600	<b>22315 MB</b>	5.300
160	55	2.1	380	0.34	1.9	2.9	475	1.9	1900	2600	<b>22315 MBK</b>	5.200	
160	55	2.1	380	0.34	1.9	2.9	475	1.9	1900	2600	<b>22315 MBKW33</b>	5.120	
160	55	2.1	380	0.34	1.9	2.9	475	1.9	1900	2600	<b>22315 MBW33</b>	5.260	
80	140	33	2	210	0.25	2.6	4	275	2.6	2600	3400	<b>22216 C</b>	2.050
	140	33	2	210	0.25	2.6	4	275	2.6	2600	3400	<b>22216 CK</b>	2.000
	140	33	2	210	0.25	2.6	4	275	2.6	2600	3400	<b>22216 CKW33</b>	1.900
	140	33	2	210	0.25	2.6	4	275	2.6	2600	3400	<b>22216 CW33</b>	1.950
	140	33	2	195	0.24	2.8	4.1	250	2.7	2400	3200	<b>22216 MB</b>	2.250
	140	33	2	195	0.24	2.8	4.1	250	2.7	2400	3200	<b>22216 MBK</b>	2.200
	140	33	2	195	0.24	2.8	4.1	250	2.7	2400	3200	<b>22216 MBKW33</b>	2.100
	140	33	2	195	0.24	2.8	4.1	250	2.7	2200	3000	<b>22216 MBW33</b>	2.140
	170	39	2.1	310	0.23	2.9	4.2	400	2.8	2200	3000	<b>21316 CKW33</b>	4.200
	170	39	2.1	310	0.23	2.9	4.2	400	2.8	2200	3000	<b>21316 CW33</b>	4.250
170	58	2.1	450	0.35	1.9	2.9	550	1.8	2000	2600	<b>22316 C</b>	6.350	

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mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	170	58	2.1	450	0.35	1.9	2.9	550	1.8	2000	2600	<b>22316 CK</b>	6.250
	170	58	2.1	450	0.35	1.9	2.9	550	1.8	2000	2600	<b>22316 CKW33</b>	6.200
	170	58	2.1	450	0.35	1.9	2.9	550	1.8	2000	2600	<b>22316 CW33</b>	6.290
	170	58	2.1	410	0.25	2.6	4	500	2.6	1800	2400	<b>22316 MB</b>	6.250
	170	58	2.1	410	0.25	2.6	4	500	2.6	1800	2400	<b>22316 MBK</b>	6.160
	170	58	2.1	410	0.25	2.6	4	500	2.6	1800	2400	<b>22316 MBKW33</b>	6.100
	170	58	2.1	410	0.25	2.6	4	500	2.6	1800	2400	<b>22316 MBW33</b>	6.200
85	150	36	2	250	0.26	2.6	3.9	325	2.6	2400	3200	<b>22217 C</b>	2.570
	150	36	2	250	0.26	2.6	3.9	325	2.6	2400	3200	<b>22217 CK</b>	2.520
	150	36	2	250	0.26	2.6	3.9	325	2.6	2400	3200	<b>22217 CKW33</b>	2.500
	150	36	2	250	0.26	2.6	3.9	325	2.6	2400	3200	<b>22217 CW33</b>	2.560
	150	36	2	230	0.25	2.7	4	295	2.6	2200	2800	<b>22217 MB</b>	2.780
	150	36	2	230	0.25	2.7	4	295	2.6	2200	2800	<b>22217 MBK</b>	2.700
	150	36	2	230	0.25	2.7	4	295	2.6	2200	2800	<b>22217 MBKW33</b>	2.650
	150	36	2	230	0.25	2.7	4	295	2.6	2200	2800	<b>22217 MBW33</b>	2.700
	180	41	3	350	0.22	3	4.5	450	2.9	2200	2800	<b>21317 C</b>	5.100
	180	41	3	350	0.22	3	4.5	450	2.9	2200	2800	<b>21317 CK</b>	5.000
	180	60	3	500	0.33	2	3	620	2	1800	2400	<b>22317 C</b>	8.590
	180	60	3	500	0.33	2	3	620	2	1800	2400	<b>22317 CK</b>	8.500
	180	60	3	500	0.33	2	3	620	2	1800	2400	<b>22317 CKW33</b>	8.350
	180	60	3	500	0.33	2	3	620	2	1800	2400	<b>22317 CW33</b>	8.400
	180	60	3	460	0.37	1.8	2.7	570	1.8	1700	2200	<b>22317 MB</b>	7.220
	180	60	3	460	0.37	1.8	2.7	570	1.8	1700	2200	<b>22317 MBK</b>	7.150
	180	60	3	460	0.37	1.8	2.7	570	1.8	1700	2200	<b>22317 MBKW33</b>	7.010
	180	60	3	460	0.37	1.8	2.7	570	1.8	1800	2400	<b>22317 MBW33</b>	7.100
90	160	40	2	305	0.27	2.5	3.8	410	2.5	2200	3000	<b>22218 C</b>	3.400
	160	40	2	305	0.27	2.5	3.8	410	2.5	2200	3000	<b>22218 CK</b>	3.330
	160	40	2	305	0.27	2.5	3.8	410	2.5	2200	3000	<b>22218 CKW33</b>	3.200
	160	40	2	305	0.27	2.5	3.8	410	2.5	2200	3000	<b>22218 CW33</b>	3.250
	160	40	2	280	0.26	2.6	3.8	375	2.5	2200	2800	<b>22218 MB</b>	3.570
	160	40	2	280	0.26	2.6	3.8	375	2.5	2200	2800	<b>22218 MBK</b>	3.470
	160	40	2	280	0.26	2.6	3.8	375	2.5	2200	2800	<b>22218 MBKW33</b>	3.400
	160	40	2	280	0.26	2.6	3.8	375	2.5	2200	2800	<b>22218 MBW33</b>	3.420
	160	52.4	2	340	0.34	2	3	485	2	1500	2000	<b>23218 MB</b>	4.600
	160	52.4	2	340	0.34	2	3	485	2	1500	2000	<b>23218 MBK</b>	4.500
	160	52.4	2	340	0.34	2	3	485	2	1500	2000	<b>23218 MBKW33</b>	4.350
	190	43	3	385	0.22	3	4.5	510	2.9	2200	2800	<b>21318C</b>	5.800
	190	43	3	385	0.22	3	4.5	510	2.9	2200	2800	<b>21318CK</b>	5.700
	160	52.4	2	340	0.34	2	3	485	2	1500	2000	<b>23218 MBW33</b>	4.400
	190	64	3	570	0.36	1.9	2.8	730	1.8	1800	2400	<b>22318 C</b>	8.700
	190	64	3	570	0.36	1.9	2.8	730	1.8	1800	2400	<b>22318 CK</b>	8.650
	190	64	3	570	0.36	1.9	2.8	730	1.8	1800	2400	<b>22318 CKW33</b>	8.500
	190	64	3	570	0.36	1.9	2.8	730	1.8	1800	2400	<b>22318 CW33</b>	8.600
	190	64	3	530	0.37	1.8	2.7	670	1.8	1700	2200	<b>22318 MB</b>	8.690
	190	64	3	530	0.37	1.8	2.7	670	1.8	1700	2200	<b>22318 MBK</b>	8.580
	190	64	3	530	0.37	1.8	2.7	670	1.8	1700	2200	<b>22318 MBKW33</b>	8.490
	190	64	3	530	0.37	1.8	2.7	670	1.8	1700	2200	<b>22318 MBW33</b>	8.640
95	170	43	2.1	340	0.24	2.8	4.2	450	2.8	2200	2800	<b>22219 C</b>	4.260

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	170	43	2.1	340	0.24	2.8	4.2	450	2.8	2200	2800	<b>22219 CK</b>	4.170
	170	43	2.1	340	0.24	2.8	4.2	450	2.8	2200	2800	<b>22219 CKW33</b>	4.100
	170	43	2.1	340	0.24	2.8	4.2	450	2.8	2200	2800	<b>22219 CW33</b>	4.200
	170	43	2.1	310	0.26	2.6	3.8	415	2.5	2000	2600	<b>22219 MB</b>	4.240
	170	43	2.1	310	0.26	2.6	3.8	415	2.5	2000	2600	<b>22219 MBK</b>	4.160
	170	43	2.1	310	0.26	2.6	3.8	415	2.5	2000	2600	<b>22219 MBKW33</b>	4.000
	170	43	2.1	310	0.26	2.6	3.8	415	2.5	2000	2600	<b>22319 MBW33</b>	4.100
	200	45	3	385	0.22	3.1	4.6	530	3	1800	2400	<b>21319 MB</b>	7.150
	200	45	3	385	0.22	3.1	4.6	530	3	1800	2400	<b>21319 MBK</b>	7.050
	200	45	3	420	0.22	3	4.5	580	3	2000	2600	<b>21319 CA</b>	7.430
	200	67	3	620	0.35	1.9	2.9	800	1.8	1700	2200	<b>22319 C</b>	11.300
	200	67	3	620	0.35	1.9	2.9	800	1.8	1700	2200	<b>22319 CK</b>	11.170
	200	67	3	620	0.35	1.9	2.9	800	1.8	1700	2200	<b>22319 CKW33</b>	11.030
	200	67	3	620	0.35	1.9	2.9	800	1.8	1700	2200	<b>22319 CW33</b>	11.220
	200	67	3	570	0.38	1.8	2.7	740	1.7	1500	2000	<b>22319 MB</b>	10.100
	200	67	3	570	0.35	1.9	2.7	740	1.7	1500	2000	<b>22319 MBK</b>	10.000
	200	67	3	570	0.38	1.8	2.7	740	1.7	1500	2000	<b>22319 MBKW33</b>	9.900
	200	67	3	570	0.38	1.8	2.7	740	1.7	1500	2000	<b>22319 MBW33</b>	9.950
100	165	52	2	355	0.31	2.2	3.2	540	2.1	2000	2600	<b>23120 MB</b>	4.500
	165	52	2	355	0.31	2.2	3.2	540	2.1	2000	2600	<b>23120 MBK</b>	4.400
	165	52	2	355	0.31	2.2	3.2	540	2.1	2000	2600	<b>23120 MBKW33</b>	4.290
	165	52	2	355	0.31	2.2	3.2	540	2.1	2000	2600	<b>23120 MBW33</b>	4.350
	180	46	2.1	375	0.24	2.8	4.2	500	2.8	2200	2800	<b>22220 C</b>	5.240
	180	46	2.1	375	0.24	2.8	4.2	500	2.8	2200	2800	<b>22220 CK</b>	5.180
	180	46	2.1	375	0.24	2.8	4.2	500	2.8	2200	2800	<b>22220 CKW33</b>	5.090
	180	46	2.1	375	0.24	2.8	4.2	500	2.8	2200	2800	<b>22220 CW33</b>	5.150
	180	46	2.1	340	0.27	2.5	3.7	455	2.4	2000	2600	<b>22220 MB</b>	5.180
	180	46	2.1	340	0.27	2.5	3.7	455	2.4	2000	2600	<b>22220 MBK</b>	5.100
	180	46	2.1	340	0.27	2.5	3.7	455	2.4	2000	2600	<b>22220 MBKW33</b>	5.000
	180	46	2.1	340	0.27	2.5	3.7	455	2.4	2000	2600	<b>22220 MBW33</b>	5.060
	165	52	2	355	0.31	2.2	3.2	540	2.1	2000	2600	<b>23120 MB</b>	4.500
	165	52	2	355	0.31	2.2	3.2	540	2.1	2000	2600	<b>23120 MBK</b>	4.400
	180	60.3	2.1	495	0.33	2	3	720	2	1700	2200	<b>23220 C</b>	7.340
	180	60.3	2.1	495	0.33	2	3	720	2	1700	2200	<b>23220 CK</b>	7.190
	180	60.3	2.1	495	0.33	2	3	720	2	1700	2200	<b>23220 CKW33</b>	7.130
	180	60.3	2.1	495	0.33	2	3	720	2	1700	2200	<b>23220 CW33</b>	7.280
	180	60.3	2.1	455	0.33	2	3	660	2	1500	2000	<b>23220 MA</b>	7.030
	180	60.3	2.1	455	0.33	2	3	660	2	1500	2000	<b>23220 MAK</b>	6.850
	180	60.3	2.1	455	0.33	2	3	660	2	1500	2000	<b>23220 MAKW33</b>	6.500
	180	60.3	2.1	455	0.33	2	3	660	2	1500	2000	<b>23220 MAW33</b>	6.700
	215	47	3	425	0.24	2.8	4.2	580	2.8	1700	2200	<b>21320 MB</b>	8.800
	215	47	3	425	0.22	3.1	4.7	580	3.1	1700	2200	<b>21320 MBK</b>	8.300
	215	47	3	460	0.22	3.1	4.7	640	3.1	1800	2400	<b>21320 CA</b>	9.070
	215	73	3	730	0.35	1.9	2.9	960	1.9	1500	2000	<b>22320 C</b>	13.200
	215	73	3	730	0.35	1.9	2.9	960	1.9	1500	2000	<b>22320 CK</b>	13.120
	215	73	3	730	0.35	1.9	2.9	960	1.9	1500	2000	<b>22320 CKW33</b>	13.000
	215	73	3	730	0.35	1.9	2.9	960	1.9	1500	2000	<b>22320 CW33</b>	13.050
	215	73	3	670	0.37	1.8	2.7	880	1.7	1400	1800	<b>22320 MB</b>	12.700

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
110	215	73	3	670	0.37	1.8	2.9	880	1.7	1400	1800	<b>22320 MBK</b>	12.590
	215	73	3	670	0.37	1.8	2.9	880	1.7	1400	1800	<b>22320 MBKW33</b>	12.450
	215	73	3	670	0.37	1.8	2.7	880	1.7	1400	1800	<b>22320 MBW33</b>	12.500
	170	45	2	295	0.24	2.8	4.2	485	2.7	2000	2600	<b>23022 MB</b>	3.750
	170	45	2	295	0.24	2.8	4.2	485	2.7	2000	2600	<b>23022 MBK</b>	3.580
	170	45	2	295	0.24	2.8	4.2	485	2.7	2000	2600	<b>23022 MBKW33</b>	3.560
	170	45	2	295	0.24	2.8	4.2	485	2.7	2000	2600	<b>23022 MBW33</b>	3.620
	180	56	2	450	0.3	2.3	3.4	700	2.2	2000	2600	<b>23122 C</b>	6.260
	180	56	2	410	0.3	2.3	3.3	640	2.2	1800	2400	<b>23122 MB</b>	5.290
	180	56	2	410	0.3	2.3	3.3	640	2.2	1800	2400	<b>23122 MBK</b>	5.180
	180	56	2	410	0.3	2.3	3.3	640	2.2	1800	2400	<b>23122 MBKW33</b>	5.070
	180	56	2	410	0.3	2.3	3.3	640	2.2	1800	2400	<b>23122 MBW33</b>	5.190
	180	69	2	550	0.39	1.7	2.6	900	1.7	1200	1600	<b>24122 CA</b>	6.820
	180	69	2	550	0.39	1.7	2.6	900	1.7	1200	1600	<b>24122 CAW33</b>	6.700
	180	69	2	550	0.39	1.7	2.6	900	1.7	1200	1600	<b>24122 CAK30W33</b>	6.600
	200	53	2.1	590	0.25	2.7	4	770	2.5	1800	2400	<b>22222 C</b>	7.450
	200	53	2.1	590	0.25	2.7	4	770	2.5	1800	2400	<b>22222 CK</b>	7.320
	200	53	2.1	590	0.25	2.7	4	770	2.5	1800	2400	<b>22222 CKW33</b>	7.250
	200	53	2.1	590	0.25	2.7	4	770	2.5	1800	2400	<b>22222 CW33</b>	7.380
	200	53	2.1	540	0.28	2.4	3.5	700	2.3	1700	2200	<b>22222 MB</b>	7.100
	200	53	2.1	540	0.28	2.4	3.5	700	2.3	1700	2200	<b>22222 MBK</b>	7.000
	200	53	2.1	540	0.28	2.4	3.5	700	2.3	1700	2200	<b>22222 MBKW33</b>	6.850
	200	53	2.1	540	0.28	2.4	3.5	700	2.3	1700	2200	<b>22222 MBW33</b>	6.980
	200	69.8	2.1	620	0.33	2	3	920	2	1400	1800	<b>23222 C</b>	10.800
	200	69.8	2.1	570	0.37	1.8	2.7	840	1.8	1200	1600	<b>23222 MB</b>	9.700
	200	69.8	2.1	570	0.37	1.8	2.7	840	1.8	1200	1600	<b>23222 MBK</b>	9.570
	200	69.8	2.1	570	0.37	1.8	2.7	840	1.8	1200	1600	<b>23222 MBKW33</b>	9.500
	200	69.8	2.1	570	0.37	1.8	2.7	840	1.8	1200	1600	<b>23222 MBW33</b>	9.620
	240	50	3	510	0.21	3.2	4.8	690	3.2	1500	2000	<b>21322 MB</b>	12.000
	240	50	3	510	0.21	3.2	4.8	690	3.2	1500	2000	<b>21322 MBK</b>	11.700
240	80	3	870	0.34	1.2	2.3	1160	1.2	1400	1900	<b>22322 C</b>	18.000	
240	80	3	870	0.34	1.2	2.3	1160	1.2	1400	1900	<b>22322 CK</b>	17.800	
240	80	3	870	0.34	1.2	2.3	1160	1.2	1400	1900	<b>22322 CKW33</b>	17.500	
240	80	3	870	0.34	1.2	2.3	1160	1.2	1400	1900	<b>22322 CW33</b>	17.850	
240	80	3	800	0.37	1.8	2.7	1060	1.8	1300	1700	<b>22322 MA</b>	18.400	
240	80	3	800	0.37	1.8	2.7	1060	1.8	1300	1700	<b>22322 MAW33</b>	18.280	
240	80	3	800	0.37	1.8	2.7	1060	1.8	1300	1700	<b>22322 MB</b>	17.700	
240	80	3	800	0.37	1.8	2.7	1060	1.8	1300	1700	<b>22322 MBK</b>	17.530	
240	80	3	800	0.37	1.8	2.7	1060	1.8	1300	1700	<b>22322 MBKW33</b>	17.400	
240	80	3	800	0.37	1.8	2.7	1060	1.8	1300	1700	<b>22322 MBW33</b>	17.600	
120	180	46	2	365	0.22	3	4.6	610	2.8	2000	2600	<b>23024 C</b>	4.250
	180	46	2	365	0.22	3	4.6	610	2.8	2000	2600	<b>23024 CK</b>	4.110
	180	46	2	365	0.22	3	4.6	610	2.8	2000	2600	<b>23024 CKW33</b>	4.050
	180	46	2	365	0.22	3	4.6	610	2.8	2000	2600	<b>23024 CW33</b>	4.200
	180	46	2	335	0.24	2.8	4.2	560	2.8	1800	2400	<b>23024 MB</b>	4.200
	180	46	2	335	0.24	2.8	4.2	560	2.8	1800	2400	<b>23024 MBK</b>	4.100
	180	46	2	335	0.24	2.8	4.2	560	2.8	1800	2400	<b>23024 MBKW33</b>	3.970
	180	46	2	335	0.24	2.8	4.2	560	2.8	1800	2400	<b>23024 MBW33</b>	4.150

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	180	60	2	450	0.32	2.1	3.1	800	2	1500	2000	<b>24024 CAW33</b>	5.400
	180	60	2	450	0.32	2.1	3.1	800	2	1500	2000	<b>24024 CAK30W33</b>	5.300
	180	60	2	410	0.32	2.1	3.1	740	2	1400	1800	<b>24024 MB</b>	5.120
	200	62	2	495	0.31	2.2	3.3	770	2.2	1700	2200	<b>23124 MB</b>	7.900
	200	62	2	495	0.31	2.2	3.3	770	2.2	1700	2200	<b>23124 MBK</b>	7.720
	200	62	2	495	0.31	2.2	3.3	770	2.2	1700	2200	<b>23124 MBKW33</b>	7.600
	200	62	2	495	0.31	2.2	3.3	770	2.2	1700	2200	<b>23124 MBW33</b>	7.800
	200	80	2	630	0.4	1.7	2.5	1050	1.6	1000	1300	<b>24124 MB W33</b>	10.200
	200	80	2	630	0.4	1.7	2.5	1050	1.6	1000	1300	<b>24124 MBK30W33</b>	10.000
	215	58	2.1	560	0.27	2.6	3.8	800	2.5	1700	2200	<b>22224 C</b>	8.700
	215	58	2.1	560	0.27	2.6	3.8	800	2.5	1700	2200	<b>22224 CK</b>	8.600
	215	58	2.1	560	0.27	2.6	3.8	800	2.5	1700	2200	<b>22224 CKW33</b>	8.550
	215	58	2.1	560	0.27	2.6	3.8	800	2.5	1700	2200	<b>22224 CW33</b>	8.650
	215	58	2.1	510	0.29	2.3	3.5	740	2.3	1500	2000	<b>22224 MB</b>	9.040
	215	58	2.1	510	0.29	2.3	3.5	740	2.3	1500	2000	<b>22224 MBK</b>	8.900
	215	58	2.1	510	0.29	2.3	3.5	740	2.3	1500	2000	<b>22224 MBKW33</b>	8.850
	215	58	2.1	510	0.29	2.3	3.5	740	2.3	1500	2000	<b>22224 MBW33</b>	8.950
	215	76	2.1	730	0.35	1.9	2.9	1120	1.8	1300	1700	<b>23224 C</b>	13.100
	215	76	2.1	670	0.37	1.8	2.7	1020	1.8	1100	1500	<b>23224 MB</b>	12.000
	215	76	2.1	670	0.37	1.8	2.7	1020	1.8	1100	1500	<b>23224 MBK</b>	11.840
	215	76	2.1	670	0.37	1.8	2.7	1020	1.8	1100	1500	<b>23224 MBKW33</b>	11.730
	215	76	2.1	670	0.37	1.8	2.7	1020	1.8	1100	1500	<b>23224 MBW33</b>	11.780
	260	86	3	1010	0.35	1.9	2.9	1340	1.8	1300	1700	<b>22324 C</b>	24.500
	260	86	3	1010	0.35	1.9	2.9	1340	1.8	1300	1700	<b>22324 CK</b>	24.300
	260	86	3	1010	0.35	1.9	2.9	1340	1.8	1300	1700	<b>22324 CKW33</b>	24.120
	260	86	3	1010	0.35	1.9	2.9	1340	1.8	1300	1700	<b>22324 CW33</b>	24.400
	260	86	3	930	0.36	1.8	2.7	1230	1.8	1100	1500	<b>22324 MB</b>	22.000
	260	86	3	930	0.36	1.8	2.7	1230	1.8	1100	1500	<b>22324 MBK</b>	21.820
	260	86	3	930	0.36	1.8	2.7	1230	1.8	1100	1500	<b>22324 MBKW33</b>	21.700
	260	86	3	930	0.36	1.8	2.7	1230	1.8	1100	1500	<b>22324 MBW33</b>	21.870
130	200	52	2	450	0.23	2.9	4.4	730	2.8	1800	2400	<b>23026 C</b>	4.590
	200	52	2	450	0.23	2.9	4.4	730	2.8	1800	2400	<b>23026 CK</b>	4.300
	200	52	2	450	0.23	2.9	4.4	730	2.8	1800	2400	<b>23026 CKW33</b>	4.220
	200	52	2	450	0.23	2.9	4.4	730	2.8	1800	2400	<b>23026 CW33</b>	4.400
	200	52	2	410	0.23	2.9	4.4	670	2.8	1700	2200	<b>23026 MB</b>	6.100
	200	52	2	410	0.23	2.9	4.4	670	2.8	1700	2200	<b>23026 MBK</b>	6.000
	200	52	2	410	0.23	2.9	4.4	670	2.8	1700	2200	<b>23026 MBKW33</b>	5.900
	200	52	2	410	0.23	2.9	4.4	670	2.8	1700	2200	<b>23026 MBW33</b>	6.050
	200	69	2	530	0.34	2	3	900	1.9	1200	1600	<b>24026 MB</b>	7.950
	200	69	2	530	0.34	2	3	900	1.9	1200	1600	<b>24026 MBW33</b>	7.790
	200	69	2	530	0.34	2	3	900	1.9	1200	1600	<b>24026 MBK30W33</b>	7.700
	210	64	2	590	0.28	2.4	3.6	940	2.5	1700	2200	<b>23126 C</b>	9.700
	210	64	2	540	0.3	2.3	3.3	860	2.2	1500	2000	<b>23126 MB</b>	8.550
	210	64	2	540	0.3	2.3	3.3	860	2.2	1500	2000	<b>23126 MBK</b>	8.360
	210	64	2	540	0.3	2.3	3.3	860	2.2	1500	2000	<b>23126 MBKW33</b>	8.300
	210	64	2	540	0.3	2.3	3.3	860	2.2	1500	2000	<b>23126 MBW33</b>	8.500
	210	80	2	650	0.37	1.8	2.7	1100	1.8	900	1200	<b>24126 MB</b>	11.000
	210	80	2	650	0.37	1.8	2.7	1100	1.8	900	1200	<b>24126 MBW33</b>	10.900

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	210	80	2	650	0.37	1.8	2.7	1100	1.8	900	1200	<b>24126 MBK30W33</b>	10.830
	230	64	3	660	0.29	2.3	3.5	960	2.3	1700	2200	<b>22226 C</b>	14.000
	230	64	3	660	0.29	2.3	3.5	960	2.3	1700	2200	<b>22226 CK</b>	13.920
	230	64	3	660	0.29	2.3	3.5	960	2.3	1700	2200	<b>22226 CKW33</b>	13.850
	230	64	3	660	0.29	2.3	3.5	960	2.3	1700	2200	<b>22226 CW33</b>	13.960
	230	64	3	600	0.29	2.3	3.4	880	2.2	1500	2000	<b>22226 MB</b>	11.200
	230	64	3	600	0.29	2.3	3.4	880	2.2	1500	2000	<b>22226 MBK</b>	11.100
	230	64	3	600	0.29	2.3	3.4	880	2.2	1500	2000	<b>22226 MBKW33</b>	11.000
	230	64	3	600	0.29	2.3	3.4	880	2.2	1500	2000	<b>22226 MBW33</b>	11.150
	230	80	3	830	0.33	2	3	1270	2	1300	1700	<b>23226 C</b>	15.800
	230	80	3	830	0.33	2	3	1270	2	1300	1700	<b>23226 CK</b>	15.700
	230	80	3	830	0.33	2	3	1270	2	1300	1700	<b>23226 CKW33</b>	15.640
	230	80	3	830	0.33	2	3	1270	2	1300	1700	<b>23226 CW33</b>	15.750
	230	80	3	760	0.35	1.9	2.8	1170	1.9	1100	1500	<b>23226 MB</b>	14.000
	230	80	3	760	0.35	1.9	2.8	1170	1.9	1100	1500	<b>23226 MBK</b>	13.900
	230	80	3	760	0.35	1.9	2.8	1170	1.9	1100	1500	<b>23226 MBKW33</b>	13.850
	230	80	3	760	0.35	1.9	2.8	1170	1.9	1100	1500	<b>23226 MBW33</b>	13.950
	280	93	4	1170	0.35	1.9	2.9	1580	1.8	1200	1600	<b>22326 C</b>	34.200
	280	93	4	1170	0.35	1.9	2.9	1580	1.8	1200	1600	<b>22326 CK</b>	34.050
	280	93	4	1170	0.35	1.9	2.9	1580	1.8	1200	1600	<b>22326 CKW33</b>	33.900
	280	93	4	1170	0.35	1.9	2.9	1580	1.8	1200	1600	<b>22326 CW33</b>	34.100
	280	93	4	1080	0.37	1.8	2.7	1450	1.8	1100	1400	<b>22326 MB</b>	28.500
	280	93	4	1080	0.37	1.8	2.7	1450	1.8	1100	1400	<b>22326 MBK</b>	28.320
	280	93	4	1080	0.37	1.8	2.7	1450	1.8	1100	1400	<b>22326 MBKW33</b>	28.200
	280	93	4	1080	0.37	1.8	2.7	1450	1.8	1100	1400	<b>22326 MBW33</b>	28.400
140	210	53	2	475	0.22	3	4.6	820	2.8	1700	2200	<b>23028 C</b>	7.200
	210	53	2	475	0.22	3	4.6	820	2.8	1700	2200	<b>23028 CK</b>	7.030
	210	53	2	475	0.22	3	4.6	820	2.8	1700	2200	<b>23028 CKW33</b>	6.960
	210	53	2	475	0.22	3	4.6	820	2.8	1700	2200	<b>23028 CW33</b>	7.130
	210	53	2	435	0.22	3	4.6	750	2.8	1500	2000	<b>23028 MB</b>	6.550
	210	53	2	435	0.22	3	4.6	750	2.8	1500	2000	<b>23028 MBK</b>	6.420
	210	53	2	435	0.22	3	4.6	750	2.8	1500	2000	<b>23028 MBKW33</b>	6.350
	210	53	2	435	0.22	3	4.6	750	2.8	1500	2000	<b>23028 MBW33</b>	6.480
	210	69	2	550	0.32	2.1	3.1	990	2.1	1100	1500	<b>24028 MBW33</b>	8.450
	210	69	2	550	0.32	2.1	3.1	990	2.1	1100	1500	<b>24028 MBK30W33</b>	8.350
	225	68	2.1	660	0.28	2.4	3.6	1080	2.5	1500	2000	<b>23128 C</b>	11.800
	225	68	2.1	600	0.3	2.3	3.3	990	2.2	1400	1800	<b>23128 MB</b>	10.500
	225	68	2.1	600	0.3	2.3	3.3	990	2.2	1400	1800	<b>23128 MBK</b>	10.350
	225	68	2.1	600	0.3	2.3	3.3	990	2.2	1400	1800	<b>23128 MBKW33</b>	10.200
	225	68	2.1	600	0.3	2.3	3.3	990	2.2	1400	1800	<b>23128 MBW33</b>	10.420
	225	85	2.1	740	0.37	1.8	2.7	1280	1.8	850	1100	<b>24128 MBW33</b>	13.200
	225	85	2.1	740	0.37	1.8	2.7	1280	1.8	850	1100	<b>24128 MBK30W33</b>	13.000
	250	68	3	730	0.26	2.6	3.9	1080	2.5	1400	1900	<b>22228 C</b>	14.400
	250	68	3	730	0.26	2.6	3.9	1080	2.5	1400	1900	<b>22228 CK</b>	14.090
	250	68	3	730	0.26	2.6	3.9	1080	2.5	1400	1900	<b>22228 CKW33</b>	13.970
	250	68	3	730	0.26	2.6	3.9	1080	2.5	1400	1900	<b>22228 CW33</b>	14.270
	250	68	3	670	0.29	2.3	3.5	990	2.3	1300	1700	<b>22228 MB</b>	14.000
	250	68	3	670	0.29	2.3	3.5	990	2.3	1300	1700	<b>22228 MBK</b>	13.800



Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	250	68	3	670	0.29	2.3	3.5	990	2.3	1300	1700	<b>22228 MBKW33</b>	13.700
	250	68	3	670	0.29	2.3	3.5	990	2.3	1300	1700	<b>22228 MBW33</b>	13.880
	250	88	3	960	0.33	2	3	1500	2	1100	1400	<b>23228 C</b>	20.800
	250	88	3	880	0.37	1.8	2.7	1380	1.8	1000	1300	<b>23228 MB</b>	18.500
	250	88	3	880	0.37	1.8	2.7	1380	1.8	1000	1300	<b>23228 MBK</b>	18.350
	250	88	3	880	0.37	1.8	2.7	1380	1.8	1000	1300	<b>23228 MBW33</b>	18.400
	250	88	3	880	0.37	1.8	2.7	1380	1.8	1000	1300	<b>23228 MBKW33</b>	18.200
	300	102	4	1360	0.35	1.9	2.9	1870	1.8	1100	1400	<b>22328 C</b>	45.700
	300	102	4	1360	0.35	1.9	2.9	1870	1.8	1100	1400	<b>22328 CK</b>	45.500
	300	102	4	1360	0.35	1.9	2.9	1870	1.8	1100	1400	<b>22328 CKW33</b>	45.350
	300	102	4	1360	0.35	1.19	2.9	1870	1.8	1100	1400	<b>22328 CW33</b>	45.580
	300	102	4	1240	0.38	1.7	2.6	1720	1.7	1000	1300	<b>22328 MB</b>	34.500
	300	102	4	1240	0.38	1.7	2.6	1720	1.7	1000	1300	<b>22328 MBK</b>	34.280
	300	102	4	1240	0.38	1.7	2.6	1720	1.7	1000	1300	<b>22328 MBKW33</b>	34.100
	300	102	4	1240	0.38	1.7	2.6	1720	1.7	1000	1300	<b>22328 MBW33</b>	34.370
150	225	56	2.1	520	0.22	3	4.6	900	2.8	1500	2000	<b>23030 C</b>	8.570
	225	56	2.1	520	0.22	3	4.6	900	2.8	1500	2000	<b>23030 CK</b>	8.400
	225	56	2.1	520	0.22	3	4.6	900	2.8	1500	2000	<b>23030 CKW33</b>	8.320
	225	56	2.1	520	0.22	3	4.6	900	2.8	1500	2000	<b>23030 CW33</b>	8.510
	225	56	2.1	480	0.22	3	4.6	830	2.8	1400	1800	<b>23030 MB</b>	7.950
	225	56	2.1	480	0.22	3	4.6	830	2.8	1400	1800	<b>23030 MBK</b>	7.830
	225	56	2.1	480	0.22	3	4.6	830	2.8	1400	1800	<b>23030 MBKW33</b>	7.800
	225	56	2.1	480	0.22	3	4.6	830	2.8	1400	1800	<b>23030 MBW33</b>	7.900
	225	75	2.1	620	0.33	2.1	3.1	1140	2	1100	1400	<b>24030 MB</b>	10.500
	225	75	2.1	620	0.33	2.1	3.1	1140	2	1100	1400	<b>24030 MBW33</b>	10.300
	225	75	2.1	620	0.33	2.1	3.1	1140	2	1100	1400	<b>24030 MBK30W33</b>	9.970
	250	100	2.1	1080	0.4	1.7	2.5	1840	1.6	850	1100	<b>24130 C</b>	19.400
	250	100	2.1	1080	0.4	1.7	2.5	1840	1.6	850	1100	<b>24130 CA</b>	19.500
	250	100	2.1	1080	0.4	1.7	2.5	1840	1.6	850	1100	<b>24130 CAK30W33</b>	19.100
	250	100	2.1	1080	0.4	1.7	2.5	1840	1.6	850	1100	<b>24130 CAW33</b>	19.500
	250	80	2.1	800	0.32	2.1	3.2	1320	2.1	1300	1700	<b>23130 MB</b>	16.300
	250	80	2.1	800	0.32	2.1	3.2	1320	2.1	1300	1700	<b>23130 MBK</b>	16.100
	250	80	2.1	800	0.32	2.1	3.2	1320	2.1	1300	1700	<b>23130 MBKW33</b>	16.000
	250	80	2.1	800	0.3	2.2	3.3	1320	2.2	1300	1700	<b>23130 MBW33</b>	16.267
	270	73	3	880	0.26	2.6	3.9	1300	2.5	1400	1800	<b>22230 C</b>	18.800
	270	73	3	880	0.26	2.6	3.9	1300	2.5	1400	1800	<b>22230 CK</b>	18.600
	270	73	3	880	0.26	2.6	3.9	1300	2.5	1400	1800	<b>22230 CKW33</b>	18.500
	270	73	3	880	0.26	2.6	3.9	1300	2.5	1400	1800	<b>22230 CW33</b>	18.720
	270	73	3	810	0.29	2.3	3.5	1190	2.3	1200	1600	<b>22230 MB</b>	18.000
	270	73	3	810	0.29	2.3	3.5	1190	2.3	1200	1600	<b>22230 MBK</b>	17.900
	270	73	3	810	0.29	2.3	3.5	1190	2.3	1200	1600	<b>22230 MBKW33</b>	17.710
	270	73	3	810	0.29	2.3	3.5	1190	2.3	1200	1600	<b>22230 MBW33</b>	17.810
	270	96	3	1030	0.38	1.8	2.7	1610	1.7	1000	1300	<b>23230 MB</b>	24.500
	270	96	3	1030	0.38	1.8	2.7	1610	1.7	1000	1300	<b>23230 MBK</b>	24.200
	270	96	3	1030	0.38	1.8	2.7	1610	1.7	1000	1300	<b>23230 MBKW33</b>	24.000
	270	96	3	1030	0.38	1.8	2.7	1610	1.7	1000	1300	<b>23230 MBW33</b>	24.400
	320	108	4	1520	0.35	1.9	2.9	2110	1.8	1100	1400	<b>22330 C</b>	44.600
	320	108	4	1520	0.35	1.9	2.9	2110	1.8	1100	1400	<b>22330 CK</b>	43.470

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	320	108	4	1520	0.35	1.9	2.9	2110	1.8	1100	1400	<b>22330 CKW33</b>	44.600
	320	108	4	1520	0.35	1.9	2.9	2110	1.8	1100	1400	<b>22330 CW33</b>	44.520
	320	108	4	1400	0.38	1.7	2.6	1940	1.7	1000	1300	<b>22330 MB</b>	43.500
	320	108	4	1400	0.38	1.7	2.6	1940	1.7	1000	1300	<b>22330 MBK</b>	43.200
	320	108	4	1400	0.38	1.7	2.6	1940	1.7	1000	1300	<b>22330 MBKW33</b>	43.100
	320	108	4	1400	0.38	1.7	2.6	1940	1.7	1000	1300	<b>22330 MBW33</b>	43.350
160	240	60	2.1	610	0.22	3	4.6	1060	2.8	1400	1900	<b>23032 C</b>	10.400
	240	60	2.1	610	0.22	3	4.6	1060	2.8	1400	1900	<b>23032 CK</b>	10.250
	240	60	2.1	610	0.22	3	4.6	1060	2.8	1400	1900	<b>23032 CKW33</b>	10.200
	240	60	2.1	610	0.22	3	4.6	1060	2.8	1400	1900	<b>23032 CW33</b>	10.320
	240	60	2.1	560	0.22	3	4.6	970	2.8	1300	1700	<b>23032 MB</b>	9.700
	240	60	2.1	560	0.22	3	4.6	970	2.8	1300	1700	<b>23032 MBK</b>	9.580
	240	60	2.1	560	0.22	3	4.6	970	2.8	1300	1700	<b>23032 MBKW33</b>	9.500
	240	60	2.1	560	0.22	3	4.6	970	2.8	1300	1700	<b>23032 MBW33</b>	9.640
	240	80	2.1	720	0.32	2.1	3.1	1320	2	1000	1300	<b>24032 MB</b>	13.300
	240	80	2.1	720	0.32	2.1	3.1	1320	2	1000	1300	<b>24032 MBW33</b>	13.200
	240	80	2.1	720	0.32	2.1	3.1	1320	2	1000	1300	<b>24032 MBK30W33</b>	13.000
	270	109	2.1	1250	0.39	1.7	2.5	2110	1.6	850	1100	<b>24132 C</b>	25.500
	270	109	2.1	1250	0.39	1.7	2.5	2110	1.6	850	1100	<b>24132 CK30</b>	25.300
	270	109	2.1	1250	0.39	1.7	2.5	2110	1.6	850	1100	<b>24132 CK30W33</b>	25.100
	270	109	2.1	1250	0.39	1.7	2.5	2110	1.6	850	1100	<b>24132 CW33</b>	25.380
	270	86	2.1	1010	0.3	2.3	3.4	1640	2.2	1400	1800	<b>23132 C</b>	22.900
	270	86	2.1	930	0.32	2.1	3.2	1510	2.1	1200	1600	<b>23132 MB</b>	20.500
	270	86	2.1	930	0.32	2.1	3.2	1510	2.1	1200	1600	<b>23132 MBK</b>	20.300
	270	86	2.1	930	0.32	2.1	3.2	1515	2.1	1200	1600	<b>23132 MBKW33</b>	20.100
	270	86	2.1	930	0.32	2.1	3.2	1515	2.1	1200	1600	<b>23132 MBW33</b>	20.400
	290	104	3	1180	0.38	1.8	2.7	1830	1.7	900	1200	<b>23232 MB</b>	31.700
	290	104	3	1180	0.38	1.8	2.7	1830	1.7	900	1200	<b>23232 MBK</b>	31.400
	290	104	3	1180	0.38	1.8	2.7	1830	1.7	900	1200	<b>23232 MBKW33</b>	31.300
	290	104	3	1180	0.38	1.8	2.7	1830	1.7	900	1200	<b>23232 MBW33</b>	31.600
	290	80	3	1040	0.26	2.6	3.9	1550	2.5	1300	1700	<b>22232 C</b>	24.900
	290	80	3	1040	0.26	2.6	3.9	1550	2.5	1300	1700	<b>22232 CK</b>	24.600
	290	80	3	1040	0.26	2.6	3.9	1550	2.5	1300	1700	<b>22232 CKW33</b>	24.400
	290	80	3	1040	0.26	2.6	3.9	1550	2.5	1300	1700	<b>22232 CW33</b>	24.750
	290	80	3	950	0.29	2.3	3.4	1420	2.3	1100	1500	<b>22232 MB</b>	23.300
	290	80	3	950	0.29	2.3	3.4	1420	2.3	1100	1500	<b>22232 MBK</b>	23.000
	290	80	3	950	0.29	2.3	3.4	1420	2.3	1100	1500	<b>22232 MBKW33</b>	22.900
	290	80	3	950	0.29	2.3	3.4	1420	2.3	1100	1500	<b>22232 MBW33</b>	23.200
	340	114	4	1660	0.35	1.9	2.9	2350	1.8	1000	1300	<b>22332 C</b>	52.600
	340	114	4	1660	0.35	1.9	2.9	2350	1.8	1000	1300	<b>22332 CK</b>	52.300
	340	114	4	1660	0.35	1.9	2.9	2350	1.8	1000	1300	<b>22332 CKW33</b>	52.200
	340	114	4	1660	0.35	1.9	2.9	2350	1.8	1000	1300	<b>22332 CW33</b>	52.500
	340	114	4	1520	0.37	1.8	2.7	2160	1.8	900	1200	<b>22332 MA</b>	50.500
	340	114	4	1520	0.37	1.8	2.7	2160	1.8	900	1200	<b>22332 MB</b>	50.800
	340	114	4	1520	0.37	1.8	2.7	2160	1.8	900	1200	<b>22332 MBK</b>	50.400
	340	114	4	1520	0.37	1.8	2.7	2160	1.8	900	1200	<b>22332 MBKW33</b>	50.000
	340	114	4	1520	0.37	1.8	2.7	2160	1.8	900	1200	<b>22332 MBW33</b>	50.650
170	260	67	2.1	750	0.23	2.9	4.4	1270	2.8	1400	1800	<b>23034 C</b>	14.200

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
260	67	2.1	750	0.23	2.9	4.4	1270	2.8	1400	1800	<b>23034 CK</b>	14.000	
260	67	2.1	750	0.23	2.9	4.4	1270	2.8	1400	1800	<b>23034 CKW33</b>	13.800	
260	67	2.1	750	0.23	2.9	4.4	1270	2.8	1400	1800	<b>23034 CW33</b>	14.100	
260	67	2.1	680	0.23	2.9	4.4	1170	2.8	1200	1600	<b>23034 MB</b>	13.400	
260	67	2.1	680	0.23	2.9	4.4	1170	2.8	1200	1600	<b>23034 MBK</b>	13.100	
260	67	2.1	680	0.23	2.9	4.4	1170	2.8	1200	1600	<b>23034 MBKW33</b>	13.000	
260	67	2.1	680	0.23	2.9	4.4	1170	2.8	1200	1600	<b>23034 MBW33</b>	13.200	
260	90	2.1	880	0.34	2	3	1610	2	1000	1300	<b>24034 MB</b>	17.700	
260	90	2.1	880	0.34	2	3	1610	2	1000	1300	<b>24034 MBW33</b>	17.560	
260	90	2.1	880	0.34	2	3	1610	2	1000	1300	<b>24034 MBK30</b>	17.400	
260	90	2.1	880	0.34	2	3	1610	2	1000	1300	<b>24034 MBK30W33</b>	17.200	
280	109	2.1	1280	0.39	1.7	2.6	2230	1.7	750	1000	<b>24134 C</b>	27.300	
280	109	2.1	1280	0.39	1.7	2.6	2230	1.7	750	1000	<b>24134 CA</b>	26.400	
280	109	2.1	1280	0.39	1.7	2.6	2230	1.7	750	1000	<b>24134 CAK30</b>	26.200	
280	109	2.1	1280	0.39	1.7	2.6	2230	1.7	750	1000	<b>24134 CAK30W33</b>	26.000	
280	109	2.1	1280	0.39	1.7	2.6	2230	1.7	750	1000	<b>24134 CAW33</b>	26.300	
280	88	2.1	1080	0.3	2.3	3.4	1800	2.2	1300	1700	<b>23134 C</b>	27.300	
280	88	2.1	990	0.31	2.2	3.2	1650	2.1	1100	1500	<b>23134 MB</b>	22.300	
280	88	2.1	990	0.31	2.2	3.2	1650	2.1	1100	1500	<b>23134 MBK</b>	22.100	
280	88	2.1	990	0.31	2.2	3.2	1650	2.1	1100	1500	<b>23134 MBKW33</b>	22.000	
280	88	2.1	990	0.31	2.2	3.2	1650	2.1	1100	1500	<b>23134 MBW33</b>	22.200	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 C</b>	35.700	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CK</b>	35.500	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CKW33</b>	35.400	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CW33</b>	35.620	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CA</b>	37.200	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CAK</b>	37.000	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CAKW33</b>	36.900	
310	110	4	1460	0.35	1.9	2.9	2320	1.8	900	1200	<b>23234 CAW33</b>	37.100	
310	110	4	1340	0.36	1.9	2.8	2120	1.8	850	1100	<b>23234 MBW33</b>	37.800	
310	110	4	1340	0.36	1.9	2.8	2120	1.8	850	1100	<b>23234 MBKW33</b>	37.200	
310	86	4	1170	0.27	2.5	3.7	1750	2.5	1200	1600	<b>22234 C</b>	31.700	
310	86	4	1170	0.27	2.5	3.7	1750	2.5	1200	1600	<b>22234 CK</b>	31.500	
310	86	4	1170	0.27	2.5	3.7	1750	2.5	1200	1600	<b>22234 CKW33</b>	31.400	
310	86	4	1170	0.27	2.5	3.7	1750	2.5	1200	1600	<b>22234 CW33</b>	31.600	
310	86	4	1080	0.3	2.3	3.4	1610	2.2	1300	1100	<b>22234 MB</b>	28.900	
310	86	4	1080	0.3	2.3	3.4	1610	2.2	1300	1100	<b>22234 MBK</b>	28.600	
310	86	4	1080	0.3	2.3	3.4	1610	2.2	1300	1100	<b>22234 MBKW33</b>	28.400	
310	86	4	1080	0.3	2.3	3.4	1610	2.2	1300	1100	<b>22234 MBW33</b>	28.750	
360	120	4	1850	0.33	2	3	2590	2	900	1200	<b>22334 C</b>	65.300	
360	120	4	1850	0.33	2	3	2590	2	900	1200	<b>22334 CK</b>	65.100	
360	120	4	1850	0.33	2	3	2590	2	900	1200	<b>22334 CKW33</b>	64.880	
360	120	4	1850	0.33	2	3	2590	2	900	1200	<b>22334 CW33</b>	65.200	
360	120	4	1690	0.37	1.8	2.7	2380	1.8	850	1100	<b>22334 MB</b>	62.200	
360	120	4	1690	0.37	1.8	2.7	2380	1.8	850	1100	<b>22334 MBK</b>	60.900	
360	120	4	1690	0.37	1.8	2.7	2380	1.8	850	1100	<b>22334 MBKW33</b>	60.200	
360	120	4	1690	0.37	1.8	2.7	2380	1.8	850	1100	<b>22334 MBW33</b>	61.800	
180	280	100	2.1	1030	0.36	1.9	2.8	1900	1.9	900	1200	<b>24036 MB</b>	22.900

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease min <sup>-1</sup>	oil min <sup>-1</sup>	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	280	100	2.1	1030	0.36	1.9	2.8	1900	1.9	900	1200	<b>24036 MBK30W33</b>	22.550
	300	96	3	1160	0.32	2.1	3.1	1940	2.1	1100	1400	<b>24036 MBW33</b>	22.700
	280	74	2.1	870	0.24	2.8	4.2	1500	2.8	1300	1700	<b>23036 C</b>	19.800
	280	74	2.1	870	0.24	2.8	4.2	1500	2.8	1300	1700	<b>23036 CK</b>	19.600
	280	74	2.1	870	0.24	2.8	4.2	1500	2.8	1300	1700	<b>23036 CKW33</b>	19.550
	280	74	2.1	870	0.24	2.8	4.2	1500	2.8	1300	1700	<b>23036 CW33</b>	19.700
	280	74	2.1	800	0.24	2.8	4.2	1380	2.8	1100	1500	<b>23036 MB</b>	17.600
	280	74	2.1	800	0.24	2.8	4.2	1380	2.8	1100	1500	<b>23036 MBK</b>	17.400
	280	74	2.1	800	0.24	2.8	4.2	1380	2.8	1100	1500	<b>23036 MBKW33</b>	17.300
	280	74	2.1	800	0.24	2.8	4.2	1380	2.8	1100	1500	<b>23036 MBW33</b>	17.500
	300	118	3	1460	0.4	1.7	2.5	2590	1.6	700	950	<b>24136 C</b>	33.700
	300	118	3	1460	0.4	1.7	2.5	2590	1.6	700	950	<b>24136 CW33</b>	33.650
	300	118	3	1460	0.4	1.7	2.5	2590	1.6	700	950	<b>24136 CK30</b>	33.500
	300	118	3	1460	0.4	1.7	2.5	2590	1.6	700	950	<b>24136 CK30W33</b>	33.400
	300	96	3	1260	0.3	2.3	3.4	2110	2.2	1200	1600	<b>23136 C</b>	30.600
	300	96	3	1260	0.3	2.3	3.4	2110	2.2	1200	1600	<b>23136 CKW33</b>	30.250
	300	118	3	1193	0.4	1.7	2.5	1962	1.6	600	750	<b>23136 CW33</b>	30.400
	300	96	3	1160	0.32	2.1	3.1	1940	2.1	1100	1400	<b>23136 MB</b>	28.400
	300	96	3	1160	0.32	2.1	3.1	1940	2.1	1100	1400	<b>23136 MBK</b>	28.200
	300	96	3	1160	0.32	2.1	3.1	1940	2.1	1100	1400	<b>23136 MBKW33</b>	28.000
	300	96	3	1160	0.32	2.1	3.1	1940	2.1	1100	1400	<b>23136 MBW33</b>	28.300
	320	112	4	1420	0.36	1.9	2.8	2330	1.8	750	1000	<b>23236 MB</b>	40.900
	320	112	4	1420	0.36	1.9	2.8	2330	1.8	750	1000	<b>23236 MBK</b>	40.400
	320	112	4	1420	0.36	1.9	2.8	2330	1.8	750	1000	<b>23236 MBKW33</b>	40.100
	320	112	4	1420	0.36	1.9	2.8	2330	1.8	750	1000	<b>23236 MBW33</b>	40.800
	320	86	4	1210	0.26	2.6	3.9	1870	2.5	1100	1500	<b>22236 C</b>	33.100
	320	86	4	1210	0.26	2.6	3.9	1870	2.5	1100	1500	<b>22236 CK</b>	32.600
	320	86	4	1210	0.26	2.6	3.9	1870	2.5	1100	1500	<b>22236 CKW33</b>	32.400
	320	86	4	1210	0.26	2.6	3.9	1870	2.5	1100	1500	<b>22236 CW33</b>	32.900
	320	86	4	1110	0.29	2.3	3.5	1720	2.3	1100	1400	<b>22236 MB</b>	30.400
	320	86	4	1110	0.29	2.3	3.5	1720	2.3	1100	1400	<b>22236 MBK</b>	29.600
	320	86	4	1110	0.29	2.3	3.5	1720	2.3	1100	1400	<b>22236 MBKW33</b>	29.400
	320	86	4	1110	0.29	2.3	3.5	1720	2.3	1100	1400	<b>22236 MBW33</b>	29.800
	380	126	4	1900	0.37	1.8	2.7	2700	1.8	850	1100	<b>22336 MB</b>	69.000
	380	126	4	1900	0.37	1.8	2.7	2700	1.8	850	1100	<b>22336 MBK</b>	68.600
	380	126	4	1900	0.37	1.8	2.7	2700	1.8	850	1100	<b>22336 MBKW33</b>	68.200
	380	126	4	1900	0.37	1.8	2.7	2700	1.8	850	1100	<b>22336 MBW33</b>	68.400
190	290	100	2.1	1080	0.34	2	3	1980	2	850	1100	<b>24038 MB</b>	24.800
	290	100	2.1	1080	0.34	2	3	1980	2	850	1100	<b>24038 MBW33</b>	24.300
	290	100	2.1	1080	0.34	2	3	1980	2	850	1100	<b>24038 MBK30W33</b>	24.000
	290	75	2.1	900	0.23	2.9	4.4	1610	4.4	1200	1600	<b>23038 C</b>	19.800
	290	75	2.1	900	0.23	2.9	4.4	1610	4.4	1200	1600	<b>23038 CK</b>	19.300
	290	75	2.1	900	0.23	2.9	4.4	1610	4.4	1200	1600	<b>23038 CKW33</b>	19.100
	290	75	2.1	900	0.23	2.9	4.4	1610	4.4	1200	1600	<b>23038 CW33</b>	19.600
	290	75	2.1	830	0.26	2.6	3.9	1470	2.6	1100	1400	<b>23038 MB</b>	18.600
	290	75	2.1	830	0.26	2.6	3.9	1470	2.6	1100	1400	<b>23038 MBW33</b>	18.400
	290	75	2.1	830	0.26	2.6	3.9	1470	2.6	1100	1400	<b>23038 MBKW33</b>	18.000
	320	104	3	1320	0.33	2	3	2290	2	1100	1400	<b>23138 MB</b>	35.600

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	320	104	3	1320	0.33	2	3	2290	2	1100	1400	<b>23138 MBW33</b>	35.400
	320	104	3	1320	0.33	2	3	2290	2	1100	1400	<b>23138 MBKW33</b>	35.000
	320	128	3	1680	0.4	1.7	2.5	3000	1.6	670	900	<b>24138 CAW33</b>	41.600
	320	128	3	1540	0.41	1.7	2.5	2750	1.6	600	800	<b>24138 MBW33</b>	41.800
	320	128	3	1540	0.41	1.7	2.5	2750	1.6	600	800	<b>24138 MBK30W33</b>	41.200
	340	120	4	1750	0.35	1.9	2.9	2880	1.8	850	1100	<b>23238 C</b>	52.400
	340	120	4	1610	0.36	1.9	2.8	2640	1.8	750	1000	<b>23238 MB</b>	48.900
	340	120	4	1610	0.36	1.9	2.8	2640	1.8	750	1000	<b>23238 MBW33</b>	48.600
	340	120	4	1610	0.36	1.9	2.8	2640	1.8	750	1000	<b>23238 MBKW33</b>	48.100
	340	92	4	1330	0.26	2.6	3.9	2040	2.5	1100	1400	<b>22238 C</b>	40.000
	340	92	4	1220	0.29	2.3	3.4	1870	2.3	1000	1300	<b>22238 MB</b>	37.700
	340	92	4	1220	0.29	2.3	3.4	1870	2.3	1000	1300	<b>22238 MBW33</b>	37.500
	340	92	4	1220	0.29	2.3	3.4	1870	2.3	1000	1300	<b>22238 MBKW33</b>	37.200
	400	132	5	2060	0.37	1.8	2.7	2920	1.8	750	1000	<b>22338 MB</b>	84.800
	400	132	5	2060	0.37	1.8	2.7	2920	1.8	750	1000	<b>22338 MBW33</b>	84.400
	400	132	5	2060	0.37	1.8	2.7	2920	1.8	750	1000	<b>22338 MBKW33</b>	83.000
200	280	60	2.1	525	0.2	3.4	5.1	1020	3.3	1100	1400	<b>23940 MBW33</b>	11.500
	280	60	2.1	525	0.2	3.4	5.1	1020	3.3	1100	1400	<b>23940 MBKW33</b>	11.000
	310	109	2.1	1140	0.33	2	3	2060	2	850	1100	<b>24040 CAW33</b>	30.500
	310	109	2.1	1140	0.33	2	3	2060	2	850	1100	<b>24040 CAK30W33</b>	30.000
	310	82	2.1	880	0.24	2.8	4.2	1560	2.8	1100	1500	<b>23040 CAW33</b>	23.500
	310	82	2.1	880	0.24	2.8	4.2	1560	2.8	1100	1500	<b>23040 CAKW33</b>	23.000
	340	112	3	1370	0.35	1.9	2.9	2460	1.9	1100	1400	<b>23140 CAW33</b>	43.500
	340	112	3	1370	0.35	1.9	2.9	2460	1.9	1100	1400	<b>23140 CAKW33</b>	43.000
	340	140	3	1400	0.4	1.7	2.5	2385	1.6	560	750	<b>24140 MBW33</b>	51.500
	340	140	3	1400	0.4	1.7	2.5	2385	1.6	560	750	<b>24140 MBKW33</b>	51.000
	360	128	4	1620	0.35	1.9	2.9	2590	1.8	750	1000	<b>23240 MBW33</b>	58.500
	360	128	4	1620	0.35	1.9	2.9	2590	1.8	750	1000	<b>23240 MBKW33</b>	58.000
	360	98	4	1250	0.29	2.3	3.4	2020	2.3	1100	1400	<b>22240 CAW33</b>	45.000
	360	98	4	1250	0.29	2.3	3.4	2020	2.3	1100	1400	<b>22240 CAKW33</b>	44.500
	420	138	5	1910	0.36	1.8	2.8	2750	1.8	670	900	<b>22340 MBW33</b>	95.000
	420	138	5	1910	0.36	1.8	2.8	2750	1.8	670	900	<b>22340 MBKW33</b>	94.500
220	300	60	2.1	625	0.18	3.7	5.6	1344	3.7	1100	1500	<b>23944 CW33</b>	13.000
	300	60	2.1	625	0.18	3.7	5.6	1344	3.7	1100	1500	<b>23944 CKW33</b>	12.600
	300	60	2.1	555	0.18	3.7	5.6	1036	3.7	1100	1400	<b>23944 MBW33</b>	13.500
	300	60	2.1	555	0.18	3.7	5.6	1036	3.7	1100	1400	<b>23944 MBKW33</b>	13.100
	340	118	3	1190	0.34	2	3	2098	1.9	750	1000	<b>24044 MBW33</b>	39.500
	340	118	3	1190	0.34	2	3	2098	1.9	750	1000	<b>24044 MBK30W33</b>	39.000
	340	90	3	1155	0.02	2.8	4.2	2053	2.8	1100	1400	<b>23044 CW33</b>	30.500
	340	90	3	1155	0.02	2.8	4.2	2053	2.8	1100	1400	<b>23044 CKW33</b>	30.000
	340	90	3	1090	0.02	2.8	4.2	1890	2.8	1100	1400	<b>23044 CAW33</b>	31.000
	340	90	3	1090	0.02	2.8	4.2	1890	2.8	1100	1400	<b>23044 CAKW33</b>	30.600
	340	90	3	1025	0.24	2.8	4.2	1730	2.8	1000	1300	<b>23044 MB W33</b>	31.500
	340	90	3	1025	0.24	2.8	4.2	1730	2.8	1000	1300	<b>23044 MBKW33</b>	31.000
	370	120	4	1515	0.3	2.3	3.4	2509	2.2	1000	1300	<b>23144 CAW33</b>	52.000
	370	120	4	1515	0.3	2.3	3.4	2509	2.2	1000	1300	<b>23144 CAKW33</b>	51.500
	370	120	4	1455	0.3	2.3	3.4	2380	2.2	900	1200	<b>23144 MBW33</b>	54.500
	370	120	4	1455	0.3	2.3	3.4	2380	2.2	900	1200	<b>23144 MBKW33</b>	54.000

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	370	150	4	1780	0.41	1.6	2.5	3109	1.6	530	700	<b>24144 MBW33</b>	65.000
	370	150	4	1780	0.41	1.6	2.5	3109	1.6	530	700	<b>24144 MBK30W33</b>	64.200
	400	108	4	1575	0.29	2.3	3.4	2355	2.3	900	1200	<b>22244 CAW33</b>	62.000
	400	108	4	1575	0.29	2.3	3.4	2355	2.3	900	1200	<b>22244 CAKW33</b>	61.200
	400	108	4	1485	0.29	2.3	3.4	2483	2.3	850	1100	<b>22244 MBW33</b>	63.000
	400	108	4	1485	0.29	2.3	3.4	2483	2.3	850	1100	<b>22244 MBKW33</b>	62.300
	400	144	4	2065	0.35	1.9	2.9	3380	1.8	670	900	<b>23244 CW33</b>	79.500
	400	144	4	2065	0.35	1.9	2.9	3380	1.8	670	900	<b>23244 CKW33</b>	79.000
	400	144	4	1990	0.35	1.9	2.9	3220	1.8	670	900	<b>23244 CAW33</b>	81.500
	400	144	4	1990	0.35	1.9	2.9	3220	1.8	670	900	<b>23244 CAKW33</b>	81.000
	400	144	4	1850	0.35	1.9	2.9	2899	1.8	600	800	<b>23244 MBW33</b>	82.500
	400	144	4	1850	0.35	1.9	2.9	2899	1.8	600	800	<b>23244 MBKW33</b>	82.000
	460	145	5	2450	0.36	1.8	2.8	3614	1.8	700	950	<b>22344 CW33</b>	120.000
	460	145	5	2450	0.36	1.8	2.8	3614	1.8	700	950	<b>22344 CKW33</b>	121.000
240	320	60	2.1	600	0.17	4	5.9	1170	3.9	1000	1300	<b>23948 MBW33</b>	14.000
	320	60	2.1	600	0.17	4	5.9	1170	3.9	1000	1300	<b>23948 MBKW33</b>	13.800
	360	118	3	1460	0.32	2.1	3.1	2841	2.1	750	1000	<b>24048 CAW33</b>	42.500
	360	118	3	1460	0.32	2.1	3.1	2841	2.1	750	1000	<b>24048 CAK30W33</b>	42.000
	360	92	3	1145	0.23	2.9	4.4	2048	2.8	1000	1300	<b>23048 CAW33</b>	34.000
	360	92	3	1145	0.23	2.9	4.4	2048	2.8	1000	1300	<b>23048 CAKW33</b>	33.500
	360	92	3	1105	0.23	2.9	4.4	1969	2.8	900	1200	<b>23048 MBW33</b>	34.500
	360	92	3	1105	0.23	2.9	4.4	1969	2.8	900	1200	<b>23048 MBKW33</b>	34.000
	400	128	4	1705	0.3	2.3	3.4	2863	2.2	900	1200	<b>23148 CAW33</b>	66.000
	400	128	4	1705	0.3	2.3	3.4	2863	2.2	900	1200	<b>23148 CAW33</b>	65.500
	400	128	4	1640	0.3	2.3	3.4	2720	2.2	850	1100	<b>23148 MBW33</b>	67.500
	400	128	4	1640	0.3	2.3	3.4	2720	2.2	850	1100	<b>23148 MBKW33</b>	67.000
	400	160	4	1970	0.41	1.7	2.5	3477	1.6	480	630	<b>24148 MBW33</b>	80.500
	400	160	4	1970	0.41	1.7	2.5	3477	1.6	480	630	<b>24148 MBK30W33</b>	80.000
	440	120	4	1845	0.29	2.3	3.4	2763	2.3	850	1100	<b>22248 CAW33</b>	83.000
	440	120	4	1845	0.29	2.3	3.4	2763	2.3	850	1100	<b>22248 CAKW33</b>	82.500
	440	120	4	1815	0.29	2.3	3.4	2701	2.3	750	1000	<b>22248 MBW33</b>	85.500
	440	120	4	1815	0.29	2.3	3.4	2701	2.3	750	1000	<b>22248 MBW33</b>	85.000
	440	160	4	2530	0.35	1.9	2.9	4600	1.8	630	850	<b>23248 CAW33</b>	109.000
	440	160	4	2530	0.35	1.9	2.9	4600	1.8	630	850	<b>23248 CAKW33</b>	108.500
	440	160	4	2370	0.35	1.9	2.9	3837	1.8	560	750	<b>23248 MBW33</b>	110.000
	440	160	4	2370	0.35	1.9	2.9	3837	1.8	560	750	<b>23248 MBKW33</b>	109.500
	500	155	5	2650	0.31	2.2	3.3	4000	2.2	560	750	<b>22348 MBW33</b>	151.000
	500	155	5	2650	0.31	2.2	3.3	4000	2.2	560	750	<b>22348 MBKW33</b>	150.500
260	360	75	2.1	845	0.19	3.6	5.3	1604	3.5	850	1100	<b>23952 MBW33</b>	24.000
	360	75	2.1	845	0.19	3.6	5.3	1604	3.5	850	1100	<b>23952 MBKW33</b>	23.600
	400	104	4	1540	0.23	2.9	4.4	2796	2.8	900	1200	<b>23052 CW33</b>	48.500
	400	104	4	1540	0.23	2.9	4.4	2796	2.8	900	1200	<b>23052 CKW33</b>	48.000
	400	104	4	1430	0.23	2.9	4.4	2533	2.8	900	1200	<b>23052 CAW33</b>	49.500
	400	104	4	1430	0.23	2.9	4.4	2533	2.8	900	1200	<b>23052 CAKW33</b>	49.000
	400	104	4	1380	0.23	2.9	4.4	2417	2.8	850	1100	<b>23052 MBW33</b>	50.500
	400	104	4	1380	0.23	2.9	4.4	2417	2.8	850	1100	<b>23052 MBKW33</b>	50.500
	400	140	4	1775	0.33	2	3	3494	2	600	800	<b>24052 MBW33</b>	66.000
	400	140	4	1775	0.33	2	3	3494	2	600	800	<b>24052 MBK30W33</b>	65.500

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	440	144	4	2155	0.31	2.2	3.3	3673	2.2	850	1100	<b>23152 CAW33</b>	92.500
	440	144	4	2155	0.31	2.2	3.3	3673	2.2	850	1100	<b>23152 CAKW33</b>	92.000
	440	144	4	2025	0.31	2.2	3.3	3391	2.2	750	1000	<b>23152 MBW33</b>	93.500
	440	144	4	2025	0.31	2.2	3.3	3391	2.2	750	1000	<b>23152 MBKW33</b>	93.000
	440	180	4	2620	0.42	1.6	2.4	5000	1.6	500	670	<b>24152 CAW33</b>	114.000
	440	180	4	2620	0.42	1.6	2.4	5000	1.6	500	670	<b>24152 CAKW33</b>	113.200
	480	130	5	2190	0.29	2.3	3.4	3300	2.3	750	1000	<b>22252 CAW33</b>	107.000
	480	130	5	2190	0.29	2.3	3.4	3300	2.3	750	1000	<b>22252 CAKW33</b>	106.200
	480	130	5	2150	0.29	2.3	3.4	3232	2.3	670	900	<b>22252 MBW33</b>	111.000
	480	130	5	2150	0.29	2.3	3.4	3232	2.3	670	900	<b>22252 MBKW33</b>	110.300
	480	174	5	2700	0.36	1.8	2.8	4350	1.8	500	670	<b>23252 MBW33</b>	142.000
	480	174	5	2700	0.36	1.8	2.8	4350	1.8	500	670	<b>23252 MBKW33</b>	141.200
	540	165	6	3215	0.36	1.8	2.8	4836	1.8	600	800	<b>22352 CW33</b>	187.000
	540	165	6	3215	0.36	1.8	2.8	4836	1.8	600	800	<b>22352 CKW33</b>	186.000
280	380	75	2.1	845	0.18	3.7	5.6	1767	3.7	900	1200	<b>23956 CW33</b>	26.000
	380	75	2.1	845	0.18	3.7	5.6	1767	3.7	900	1200	<b>23956 CKW33</b>	25.500
	420	106	4	1530	0.23	2.9	4.4	2830	2.8	850	1100	<b>23056 CW33</b>	50.500
	420	106	4	1530	0.23	2.9	4.4	2830	2.8	850	1100	<b>23056 CKW33</b>	50.000
	420	106	4	1500	0.23	2.9	4.4	2731	2.8	850	1100	<b>23056 CAW33</b>	52.000
	420	106	4	1500	0.23	2.9	4.4	2731	2.8	850	1100	<b>23056 CAKW33</b>	51.500
	420	106	4	1430	0.23	2.9	4.4	2571	2.8	750	1000	<b>23056 MBW33</b>	53.000
	420	106	4	1430	0.23	2.9	4.4	2571	2.8	750	1000	<b>23056 MBKW33</b>	52.500
	420	140	4	1795	0.33	2	3	3471	2	560	750	<b>24056 MBW33</b>	68.500
	420	140	4	1795	0.33	2	3	3471	2	560	750	<b>24056 MBK30W33</b>	68.000
	460	146	5	2295	0.3	2.3	3.4	4050	2.2	750	1000	<b>23156 CAW33</b>	98.500
	460	146	5	2295	0.3	2.3	3.4	4050	2.2	750	1000	<b>23156 CAKW33</b>	98.000
	460	146	5	2295	0.3	2.3	3.4	4050	2.2	750	1000	<b>23156 MBW33</b>	100.000
	460	146	5	2295	0.3	2.3	3.4	4050	2.2	750	1000	<b>23156 MBKW33</b>	99.000
	460	180	5	2635	0.39	1.7	2.5	4848	1.7	400	530	<b>24156 MBW33</b>	118.000
	460	180	5	2635	0.39	1.7	2.5	4848	1.7	400	530	<b>24156 MBK30W33</b>	117.000
	500	130	5	2330	0.29	2.3	3.4	3600	2.3	700	950	<b>22256 CW33</b>	113.000
	500	130	5	2330	0.29	2.3	3.4	3600	2.3	700	950	<b>22256 CKW33</b>	112.100
	500	130	5	2280	0.29	2.3	3.4	3546	2.3	700	950	<b>22256 CAW33</b>	115.000
	500	130	5	2280	0.29	2.3	3.4	3546	2.3	700	950	<b>22256 CAKW33</b>	114.000
	500	130	5	2260	0.29	2.3	3.4	3502	2.3	630	850	<b>22256 MBW33</b>	116.000
	500	130	5	2260	0.29	2.3	3.4	3502	2.3	630	850	<b>22256 MBKW33</b>	115.000
	500	176	5	2806	0.35	1.9	2.9	4645	1.8	480	630	<b>23256 MBW33</b>	153.000
	500	176	5	2806	0.35	1.9	2.9	4645	1.8	480	630	<b>23256 MBKW33</b>	152.000
300	420	90	3	1175	0.2	3.4	5.1	2261	3.3	750	1000	<b>23960 MBW33</b>	40.000
	420	90	3	1175	0.2	3.4	5.1	2261	3.3	750	1000	<b>23960 MBKW33</b>	39.300
	460	118	4	1815	0.23	2.9	4.4	3268	2.8	750	1000	<b>23060 CAW33</b>	71.000
	460	118	4	1815	0.23	2.9	4.4	3268	2.8	750	1000	<b>23060 CAKW33</b>	70.500
	460	118	4	1720	0.23	2.9	4.4	3052	2.8	670	900	<b>23060 MBW33</b>	73.500
	460	118	4	1720	0.23	2.9	4.4	3052	2.8	670	900	<b>23060 MBKW33</b>	73.000
	460	160	4	2385	0.35	1.9	2.9	4702	1.9	560	750	<b>24060 CAW33</b>	97.000
	460	160	4	2385	0.35	1.9	2.9	4702	1.9	560	750	<b>24060 CAKW33</b>	96.500
	500	160	5	2635	0.3	2.3	3.4	4485	2.2	700	950	<b>23160 CAW33</b>	129.000
	500	160	5	2635	0.3	2.3	3.4	4485	2.2	700	950	<b>23160 CAKW33</b>	128.500

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	500	160	5	2508	0.3	2.3	3.4	4318	2.2	630	850	<b>23160 MBW33</b>	130.000
	500	160	5	2508	0.3	2.3	3.4	4318	2.2	630	850	<b>23160 MBKW33</b>	129.000
	500	200	5	3213	0.4	1.7	2.5	6011	1.6	430	560	<b>24160 CAW33</b>	159.000
	500	200	5	3213	0.4	1.7	2.5	6011	1.6	430	560	<b>24160 CAK30W33</b>	158.000
	540	140	5	2670	0.29	2.3	3.4	4176	2.3	670	900	<b>22260 CAW33</b>	142.000
	540	140	5	2670	0.29	2.3	3.4	4176	2.3	670	900	<b>22260 CAKW33</b>	141.000
	540	140	5	2615	0.29	2.3	3.4	4072	2.3	600	800	<b>22260 MBW33</b>	145.000
	540	140	5	2615	0.29	2.3	3.4	4072	2.3	600	800	<b>22260 MBKW33</b>	144.000
	540	192	5	3418	0.35	1.9	2.9	5778	1.8	500	670	<b>23260 CAW33</b>	192.000
	540	192	5	3418	0.35	1.9	2.9	5778	1.8	500	670	<b>23260 CAKW33</b>	191.000
	540	192	5	3305	0.35	1.9	2.9	5528	1.8	450	600	<b>23260 MBW33</b>	195.000
	540	192	5	3305	0.35	1.9	2.9	5528	1.8	450	600	<b>23260 MBKW33</b>	194.000
320	440	90	3	1215	0.19	3.6	5.4	2409	3.5	670	900	<b>23964 MBW33</b>	42.000
	440	90	3	1215	0.19	3.6	5.4	2409	3.5	670	900	<b>23964 MBKW33</b>	41.500
	480	121	4	1895	0.23	2.9	4.4	3511	2.8	700	950	<b>23064 CAW33</b>	79.000
	480	121	4	1895	0.23	2.9	4.4	3511	2.8	700	950	<b>23064 CAKW33</b>	78.500
	480	121	4	1810	0.23	2.9	4.4	3313	2.8	630	850	<b>23064 MBW33</b>	79.500
	480	121	4	1810	0.23	2.9	4.4	3313	2.8	630	850	<b>23064 MBKW33</b>	79.000
	480	160	4	2500	0.33	2	3	5240	2	530	700	<b>24064 CAW33</b>	106.000
	480	160	4	2500	0.33	2	3	5240	2	530	700	<b>24064 CAKW33</b>	105.000
	540	176	5	3115	0.34	2	3	5477	1.9	670	900	<b>23164 CAW33</b>	165.000
	540	176	5	3115	0.34	2	3	5477	1.9	670	900	<b>23164 CAKW33</b>	164.000
	540	176	5	2855	0.34	2	3	4892	1.9	600	800	<b>23164 MBW33</b>	171.000
	540	176	5	2855	0.34	2	3	4892	1.9	600	800	<b>23164 MBKW33</b>	170.000
	540	218	5	3750	0.41	1.6	2.5	7300	1.6	400	530	<b>24164 CAW33</b>	215.000
	540	218	5	3750	0.41	1.6	2.5	7300	1.6	400	530	<b>24164 CAKW33</b>	213.500
	580	150	5	3150	0.29	2.5	3.7	5100	2.5	630	580	<b>22264 CAW33</b>	180.000
	580	150	5	3150	0.29	2.5	3.7	5100	2.5	630	580	<b>22264 CAKW33</b>	178.900
	580	150	5	3095	0.29	2.5	3.7	4892	2.5	560	750	<b>22264 MBW33</b>	181.000
	580	150	5	3095	0.29	2.5	3.7	4892	2.5	560	750	<b>22264 MBKW33</b>	179.800
	580	208	5	4130	0.35	1.9	2.9	7060	1.8	480	630	<b>23264 CAW33</b>	241.000
	580	208	5	4130	0.35	1.9	2.9	7060	1.8	480	630	<b>23264 CAKW33</b>	239.500
	580	208	5	4130	0.35	1.9	2.9	7060	1.8	430	560	<b>23264 MBW33</b>	247.000
	580	208	5	4130	0.35	1.9	2.9	7060	1.8	430	560	<b>23264 MBKW33</b>	245.600
	670	200	7.5	4650	0.31	2.2	3.3	6990	2.2	480	630	<b>22364 CAW33</b>	339.000
	670	200	7.5	4650	0.31	2.2	3.3	6990	2.2	480	630	<b>22364 CAKW33</b>	337.200
340	460	90	3	1306	0.19	3.7	5.6	2691	3.7	630	850	<b>23968 MBW33</b>	45.000
	440	90	3	1306	0.19	3.8	5.7	2691	3.8	630	850	<b>23968 MBKW33</b>	44.500
	520	133	5	2272	0.24	2.8	4.2	4184	2.8	670	900	<b>23068 CAW33</b>	106.000
	520	133	5	2272	0.24	2.8	4.2	4184	2.8	670	900	<b>23068 CAKW33</b>	105.400
	520	133	5	2203	0.24	2.8	4.2	4020	2.8	670	900	<b>23068 MBW33</b>	108.000
	520	133	5	2272	0.24	2.8	4.2	4184	2.8	670	900	<b>23068 MBKW33</b>	107.300
	520	180	5	3000	0.34	2	3	6350	1.9	500	670	<b>24068 CAW33</b>	143.000
	520	180	5	3000	0.34	2	3	6350	1.9	500	670	<b>24068 CAK30W33</b>	142.200
	580	190	5	3605	0.31	2.2	3.3	6409	2.2	630	850	<b>23168 CAW33</b>	212.000
	580	190	5	3605	0.31	2.2	3.3	6409	2.2	630	850	<b>23168 CAKW33</b>	211.000
	580	190	5	3270	0.31	2.2	3.2	5520	2.2	560	750	<b>23168 MBW33</b>	216.000
	580	190	5	3270	0.31	2.2	3.2	5520	2.2	560	750	<b>23168 MBKW33</b>	215.000



Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	580	243	5	4575	0.43	1.6	2.3	8710	1.5	380	500	<b>24168 CAW33</b>	282.000
	580	243	5	4575	0.43	1.6	2.3	8710	1.5	380	500	<b>24168 CAW33</b>	280.900
	580	243	5	4290	0.43	1.6	2.3	8005	1.5	340	450	<b>24168 MBW33</b>	283.000
	580	243	5	4290	0.43	1.6	2.3	8005	1.5	340	450	<b>24168 MBK30W33</b>	281.600
	620	224	6	4577	0.35	1.9	2.9	7918	1.8	450	600	<b>23268 CAW33</b>	305.000
	620	224	6	4577	0.35	1.9	2.9	7918	1.8	450	600	<b>23268 CAKW33</b>	303.700
	710	212	7.5	5180	0.31	2.2	3.3	7874	2.2	450	600	<b>22368 CAW33</b>	403.000
	710	212	7.5	5180	0.31	2.2	3.3	7874	2.2	450	600	<b>22368 CAKW33</b>	401.300
360	480	90	3	1230	0.17	4	5.9	2527	3.9	600	800	<b>23972 MBW33</b>	46.000
	480	90	3	1230	0.17	4	5.9	2527	3.9	600	800	<b>23972 MBKW33</b>	45.600
	540	134	5	2367	0.23	2.9	4.4	4481	2.8	630	850	<b>23072 CAW33</b>	110.000
	540	134	5	2367	0.23	2.9	4.4	4481	2.8	630	850	<b>23072 CAKW33</b>	109.200
	540	134	5	2255	0.23	2.9	4.4	4214	2.8	560	750	<b>23072 MBW33</b>	111.000
	540	134	5	2255	0.23	2.9	4.4	4214	2.8	560	750	<b>23072 MBKW33</b>	110.300
	540	180	5	3150	0.33	2	3	6530	2	480	630	<b>24072 CAW33</b>	145.000
	540	180	5	3150	0.33	2	3	6530	2	480	630	<b>24072 CAKW33</b>	144.000
	600	192	5	3740	0.33	2.3	3.4	7010	2.2	600	800	<b>23172 CAW33</b>	220.000
	600	192	5	3740	0.33	2.3	3.4	7010	2.2	600	800	<b>23172 CAKW33</b>	219.000
	600	192	5	3443	0.33	2.3	3.4	6031	2.2	530	700	<b>23172 MBW33</b>	228.000
	600	192	5	3443	0.33	2.3	3.4	6031	2.2	530	700	<b>23172 MBW33</b>	226.900
	600	243	5	4510	0.41	1.7	2.5	8525	1.7	360	480	<b>24172 CAW33</b>	279.000
	600	243	5	4510	0.41	1.7	2.5	8525	1.7	360	480	<b>24172 CAK30W33</b>	277.800
	650	170	6	3955	0.26	2.6	3.9	6435	2.5	560	750	<b>22272 CAW33</b>	255.000
	650	170	6	3955	0.26	2.6	3.9	6435	2.5	560	750	<b>22272 CAKW33</b>	253.900
380	480	75	2.1	815	0.15	4.4	6.5	1930	4.3	600	800	<b>23876 MBW33</b>	36.500
	520	106	4	1785	0.19	3.6	5.3	3750	3.5	630	850	<b>23976 CAW33</b>	70.000
	520	106	4	1785	0.19	3.6	5.3	3750	3.5	630	850	<b>23976 CAKW33</b>	69.500
	560	135	5	2500	0.22	3	4.6	4880	2.8	600	800	<b>23076 CAW33</b>	115.000
	560	135	5	2500	0.22	3	4.6	4880	2.8	600	800	<b>23076 CAKW33</b>	114.200
	560	135	5	2225	0.22	3	4.6	4195	2.8	530	700	<b>23076 MBW33</b>	117.000
	560	135	5	2225	0.22	3	4.6	4195	2.8	530	700	<b>23076 MBKW33</b>	116.000
	560	180	5	3150	0.31	2.2	3.2	6710	2.1	450	600	<b>24076 CAW33</b>	152.000
	560	180	5	3150	0.31	2.2	3.2	6710	2.1	450	600	<b>24076 CAK30W33</b>	151.000
	620	194	5	3740	0.3	2.3	3.4	7540	2.2	560	750	<b>23176 CAW33</b>	240.000
	620	194	5	3740	0.3	2.3	3.4	7540	2.2	560	750	<b>23176 CAKW33</b>	238.900
	620	194	5	3535	0.3	2.3	3.4	6350	2.2	500	670	<b>23176 MBW33</b>	242.000
	620	194	5	3535	0.3	2.3	3.4	6350	2.2	500	670	<b>23176 MBKW33</b>	241.500
	620	243	5	4500	0.39	1.7	2.6	9565	1.7	340	450	<b>24176 CAW33</b>	300.000
	620	243	5	4500	0.39	1.7	2.6	9565	1.7	340	450	<b>24176 CAK30W33</b>	298.500
	680	240	6	5050	0.35	1.9	2.9	9660	1.8	400	530	<b>23276 CAW33</b>	375.000
	680	240	6	5050	0.35	1.9	2.9	9660	1.8	400	530	<b>23276 CAKW33</b>	373.600
	680	240	6	4880	0.35	1.9	2.9	8440	1.8	360	480	<b>23276 MBW33</b>	390.000
	680	240	6	4880	0.35	1.9	2.9	8440	1.8	360	480	<b>23276 MBKW33</b>	388.700
400	540	106	4	1850	0.18	3.7	5.5	3990	3.6	600	800	<b>23980 CAW33</b>	72.000
	540	106	4	1850	0.18	3.7	5.5	3990	3.6	600	800	<b>23980 CAKW33</b>	71.500
	600	148	5	2855	0.23	2.9	4.4	5465	2.8	560	750	<b>23080 CAW33</b>	150.000
	600	148	5	2855	0.23	2.9	4.4	5465	2.8	560	750	<b>23080 CAKW33</b>	149.000
	600	148	5	2645	0.23	2.9	4.4	4970	2.8	500	670	<b>23080 MBW33</b>	152.000

Dimensions				Basic radial load. Factors						Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	600	148	5	2645	0.23	2.9	4.4	4970	2.8	500	670	<b>23080 MBKW33</b>	151.000
	600	200	5	3610	0.33	2	3	7545	2	430	460	<b>24080 CAW33</b>	205.000
	600	200	5	3610	0.33	2	3	7545	2	430	460	<b>24080 CAK30W33</b>	203.900
	650	200	6	4100	0.28	2.4	3.6	7730	2.5	530	700	<b>23180 CAW33</b>	265.000
	650	200	6	4100	0.28	2.4	3.6	7730	2.5	530	700	<b>23180 CAKW33</b>	264.500
	650	200	6	3920	0.28	2.4	3.6	7164	2.5	530	700	<b>23180 MBW33</b>	270.000
	650	200	6	3920	0.28	2.4	3.6	7164	2.5	530	700	<b>23180 MBKW33</b>	268.800
	650	250	6	5230	0.39	1.7	2.6	10500	1.7	320	430	<b>24180 CAW33</b>	340.000
	650	250	6	5230	0.39	1.7	2.6	10500	1.7	320	430	<b>24180 CAK30W33</b>	338.500
	720	256	6	5950	0.35	1.9	2.9	10807	1.8	380	500	<b>23280 CAW33</b>	450.000
	720	256	6	5950	0.35	1.9	2.9	10807	1.8	380	500	<b>23280 CAKW33</b>	448.100
	820	243	7.5	6960	0.31	2.2	3.3	11031	2.2	400	530	<b>22380 CAW33</b>	645.000
	820	243	7.5	6960	0.31	2.2	3.3	11031	2.2	400	530	<b>22380 CAKW33</b>	643.000
	820	243	7.5	6570	0.31	2.2	3.3	10233	2.2	360	480	<b>22380 MBW33</b>	648.000
	820	243	7.5	6570	0.31	2.2	3.3	10233	2.2	360	480	<b>22380 MBKW33</b>	645.000
420	560	106	4	1960	0.18	3.7	5.6	4130	3.7	600	800	<b>23984 CAW33</b>	75.000
	560	106	4	1960	0.18	3.7	5.6	4130	3.7	600	800	<b>23984 CAKW33</b>	74.200
	620	150	5	3050	0.24	2.8	4.2	6055	2.8	560	750	<b>23084 CAW33</b>	155.000
	620	150	5	3050	0.24	2.8	4.2	6055	2.8	560	750	<b>23084 CAKW33</b>	154.000
	620	150	5	2825	0.24	2.8	4.2	5480	2.8	500	670	<b>23084 MBW33</b>	160.000
	620	150	5	2825	0.24	2.8	4.2	5480	2.8	500	670	<b>23084 MBKW33</b>	158.900
	620	200	5	3753	0.32	2.1	3.1	7910	2.1	430	560	<b>24084 CAW33</b>	210.000
	620	200	5	3753	0.32	2.1	3.1	7910	2.1	430	560	<b>24084 CAK30W33</b>	208.900
	700	224	6	4600	0.33	2	3	9000	2	500	670	<b>23184 CAW33</b>	363.000
	700	224	6	4600	0.33	2	3	9000	2	500	670	<b>23184 CAKW33</b>	361.800
	700	280	6	5770	0.4	1.7	2.5	13065	1.6	300	400	<b>24184 CAW33</b>	445.000
	700	280	6	5770	0.4	1.7	2.5	13065	1.6	300	400	<b>24184 CAK30W33</b>	443.200
	760	272	7.5	6575	0.35	1.9	2.9	11717	1.8	360	480	<b>23284 CAW33</b>	540.000
	760	272	7.5	6575	0.35	1.9	2.9	11717	1.8	360	480	<b>23284 CAKW33</b>	538.000
	760	272	7.5	6215	0.35	1.9	2.9	10720	1.8	360	480	<b>23284 MBW33</b>	553.000
	760	272	7.5	6215	0.35	1.9	2.9	10720	1.8	360	480	<b>23284 MBKW33</b>	550.800
440	600	118	4	2100	0.18	3.7	5.5	4690	3.6	560	750	<b>23988 CAW33</b>	102.000
	600	118	4	2100	0.18	3.7	5.5	4690	3.6	560	750	<b>23988 CAKW33</b>	101.000
	650	157	6	3345	0.22	3	4.6	6700	2.8	530	700	<b>23088 CAW33</b>	180.000
	650	157	6	3345	0.22	3	4.6	6700	2.8	530	700	<b>23088 CAKW33</b>	178.900
	650	212	6	4100	0.32	2.1	3.1	8850	2.1	400	530	<b>24088 CAW33</b>	245.000
	650	212	6	4100	0.32	2.1	3.1	8850	2.1	400	530	<b>24088 CAK30W33</b>	243.800
	720	226	6	5250	0.3	2.3	3.4	10000	2.2	500	670	<b>23188 CAW33</b>	360.000
	720	226	6	5250	0.3	2.3	3.4	10000	2.2	500	670	<b>23188 CAKW33</b>	358.600
	720	280	6	6000	0.38	1.8	2.6	12300	1.7	300	400	<b>24188 CAW33</b>	460.000
	720	280	6	6000	0.38	1.8	2.6	12300	1.7	300	400	<b>24188 CAK30W33</b>	457.800
	790	280	7.5	6700	0.35	1.9	2.9	12780	1.8	360	480	<b>23288 CAW33</b>	595.000
	790	280	7.5	6700	0.35	1.9	2.9	12780	1.8	360	480	<b>23288 CAKW33</b>	593.000
460	620	118	4	2305	0.16	4.2	6.3	5036	4	530	700	<b>23992 CAW33</b>	105.000
	620	118	4	2305	0.16	4.2	6.3	5036	4	530	700	<b>23992 CAKW33</b>	104.000
	680	163	6	3300	0.18	3.7	5.6	6900	3.7	500	670	<b>23092 CAW33</b>	205.000
	680	163	6	3300	0.18	3.7	5.6	6900	3.7	500	670	<b>23092 CAKW33</b>	203.200
	680	163	6	3200	0.18	3.7	5.6	6170	3.7	450	600	<b>23092 MBW33</b>	209.000

Dimensions			Basic radial load. Factors							Speed limit		Designation	Weight
d	D	B	r <sub>s</sub> min.	dyn. C <sub>r</sub>	e	Y <sub>1</sub>	Y <sub>2</sub>	stat. C <sub>0r</sub>	Y <sub>0</sub>	grease	oil	-	Kg
mm	mm	mm	mm	KN	KN	KN	KN	KN	KN	min <sup>-1</sup>	min <sup>-1</sup>	-	Kg
	680	163	6	3200	0.18	3.7	5.6	6170	3.7	450	600	<b>23092 MBKW33</b>	207.500
	680	218	6	4370	0.28	2.4	3.6	9570	2.5	380	500	<b>24092 CAW33</b>	280.000
	680	218	6	4370	0.28	2.4	3.6	9570	2.5	380	500	<b>24092 CAK30W33</b>	278.600
	760	240	7.5	5760	0.3	2.3	3.4	11025	2.2	480	630	<b>23192 CAW33</b>	441.000
	760	240	7.5	5760	0.3	2.3	3.4	11025	2.2	480	630	<b>23192 CAKW33</b>	439.000
	760	300	7.5	6720	0.37	1.8	2.7	13800	1.7	280	380	<b>24192 CAW33</b>	560.000
	760	300	7.5	6720	0.37	1.8	2.7	13800	1.7	280	380	<b>24192 CAK30W33</b>	557.800
	830	296	7.5	7560	0.35	1.9	2.9	13970	1.9	340	450	<b>23292 CAW33</b>	695.000
	830	296	7.5	7560	0.35	1.9	2.9	13970	1.9	340	450	<b>23292 CAKW33</b>	692.500
480	650	128	5	2525	0.18	3.8	5.6	5500	3.7	450	600	<b>23996 MBW33</b>	128.000
	650	128	5	2525	0.18	3.8	5.6	5500	3.7	450	600	<b>23996 MBKW33</b>	127.000
	700	165	6	3300	0.23	2.9	4.3	6900	2.8	480	630	<b>23096 CAW33</b>	215.000
	700	165	6	3300	0.23	2.9	4.3	6900	2.8	480	630	<b>23096 CAKW33</b>	213.400
	790	248	7.5	5800	0.3	2.3	3.4	11800	2.2	450	600	<b>23196 CAW33</b>	485.000
	790	248	7.5	5800	0.3	2.3	3.4	11800	2.2	450	600	<b>23196 CAKW33</b>	483.000
	790	308	7.5	7820	0.37	1.8	2.7	16800	1.7	280	360	<b>24196 CAW33</b>	635.000
	790	308	7.5	7820	0.37	1.8	2.7	16800	1.7	280	360	<b>24196 CAK30W33</b>	633.600
500	830	325	7.5	8170	0.37	1.8	2.7	17100	1.8	450	600	<b>241/500 CAW33</b>	745.000
	830	325	7.5	8170	0.37	1.8	2.7	17100	1.8	450	600	<b>241/500 CAK30W33</b>	742.200
	670	128	5	2500	0.17	3.9	5.8	6090	4	480	630	<b>239/500 CAW33</b>	130.000
	670	128	5	2500	0.17	3.9	5.8	6090	4	480	630	<b>239/500 CAKW33</b>	128.600
	720	167	6	3740	0.21	3.2	4.8	7815	3.2	430	560	<b>230/500 MBW33</b>	225.000
	720	167	6	3740	0.21	3.2	4.8	7815	3.2	430	560	<b>230/500 MBKW33</b>	223.200
	720	218	6	4750	0.26	2.6	3.9	10610	2.5	360	480	<b>240/500 CAW33</b>	295.000
	720	218	6	4750	0.26	2.6	3.9	10610	2.5	360	480	<b>240/500 CAK30W33</b>	293.400
	830	264	7.5	6550	0.3	2.3	3.4	13200	2.2	430	560	<b>231/500 CAW33</b>	580.000
	830	264	7.5	6550	0.3	2.3	3.4	13200	2.2	430	560	<b>231/500 CAKW33</b>	578.000