

# Deep groove ball bearings

Open type (Inch series)									
Bearing Designation	Boundary Dimensions(mm)			Mass (kg)	Bearing Designation	Boundary Dimensions(mm)			Mass (kg)
	d	D	B			d	D	B	
R1-4	1.984	6.350	2.38	0.40	R1458	15.875	22.225	3.967	4.70
R133	2.380	4.762	1.588	0.10	R10	15.875	34.925	5.54	23.50
R1-5	2.380	7.938	2.779	0.60	1623	15.88	34.93	11.11	40
R144	3.175	6.350	2.38	0.27	1628	15.88	41.28	12.70	72
R2-5	3.175	7.938	2.779	0.50	1633	15.88	44.45	12.70	90
R2-6	3.175	9.525	2.779	0.96	RLS5	15.88	39.69	11.11	60
R2	3.175	9.525	3.967	1.04	RMS5	15.88	46.04	15.88	110
R2A	3.175	12.700	4.366	3.30	R1634	19.05	25.40	3.97	5
R155	3.967	7.938	2.779	0.51	R12	19.05	41.28	7.94	53.1
R156	4.762	7.938	2.779	0.40	1630	19.05	41.28	12.70	65
R166	4.762	9.525	3.175	0.81	1635	19.05	44.45	12.70	85
R3	4.762	12.700	3.967	2.21	1638	19.05	50.80	14.29	120
R3A	4.762	15.875	4.978	45.00	RLS6	19.05	47.63	14.29	110
1601	4.762	17.462	6.35	4.75	RMS6	19.05	50.80	17.46	160
R168	6.350	9.525	3.175	0.57	R14	22.23	47.63	9.53	71
R188	6.350	12.700	3.175	1.60	1640	22.23	50.80	14.29	110
R4	6.350	15.875	4.978	4.46	RLS7	22.23	50.80	14.29	130
R4A	6.350	19.050	5.558	7.48	RMS7	22.23	57.15	17.46	200
1602	6.350	17.462	6.35	6.00	R16	25.40	50.80	9.53	85
R1810	7.938	12.700	3.967	1.39	1641	25.40	50.80	14.29	100
1603	7.938	22.225	7.144	10.00	RLS8	25.40	57.15	15.88	170
1605	7.938	23.019	7.938	12.00	RMS8	25.40	63.50	19.05	250
R6	9.525	22.225	5.558	9.02	R18	28.58	53.98	9.53	90
R1038	9.525	15.875	3.967	2.71	1652	28.58	63.50	15.88	210
1604	9.525	22.225	7.144	15.00	RLS9	28.58	63.50	15.88	210
1606	9.525	23.019	7.938	14.00	RMS9	28.58	71.44	20.64	380
1614	9.525	28.575	9.525	35.00	R20	31.75	57.15	9.53	95
1607	11.112	23.019	7.938	16.00	1654	31.75	63.50	15.88	190
1615	11.112	28.575	9.525	32.00	1657	31.75	65.09	17.46	220
1620	11.112	34.925	11.11	50.00	RLS10	31.75	69.85	17.46	280
R1212	12.700	19.050	3.967	3.49	RMS10	31.75	79.38	22.23	510
R8	12.700	28.575	6.35	11.60	1658	33.34	65.09	17.46	200
1616	12.700	28.575	9.525	30.00	R22	34.93	63.50	11.11	106
1621	12.700	34.925	11.11	48.00	RLS11	34.93	76.20	17.46	370
RLS4	12.700	33.338	9.525	30.00	R24	38.10	66.68	11.11	141
1622	14.288	34.925	11.11	46.00	RLS12	38.10	82.55	19.05	430

  

Open type (Metric series)									
Bearing Designation	Boundary Dimensions(mm)			Mass (kg)	Bearing Designation	Boundary Dimensions(mm)			Mass (kg)
	d	D	B			d	D	B	
681	1	3	1	0.03	625	5	16	5	4.950
691	1	4	1.6	0.11	635	5	19	6	8.500
681X	1.5	4	1.2	0.1	MR106	6	10	2.5	0.550
691X	1.5	5	2	0.2	MR126	6	12	3	1.250
601X	1.5	6	2.5	0.31	686	6	13	3.5	1.870
682	2	5	1.5	0.15	696	6	15	5	3.850
MR52	2	5	2	0.14	606	6	17	6	5.940
692	2	6	2.3	0.28	626	6	19	6	8.120
MR62	2	6	2.5	0.28	636	6	22	7	13.900

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MR72	2	7	2.8	0.43	MR117	7	11	2.5	0.590
602	2	7	2.8	0.5	MR137	7	13	3	1.520
682X	2.5	6	1.8	0.2	687	7	14	3.5	2.030
692X	2.5	7	2.5	0.4	697	7	17	5	5.260
MR82X	2.5	8	2.5	0.52	607	7	19	6	7.800
602X	2.5	8	2.8	0.61	627	7	22	7	12.700
MR63	3	6	2	0.2	637	7	26	9	24.200
683	3	7	2	0.32	MR128	8	12	2.5	0.700
MR83	3	8	2.5	0.51	MR148	8	14	3.5	1.900
693	3	8	3	0.6	688	8	16	4	3.110
MR93	3	9	2.5	0.75	698	8	19	6	7.120
603	3	9	3	0.84	608	8	22	7	11.800
623	3	10	4	1.45	628	8	24	8	17.100
633	3	13	5	3.27	638	8	28	9	28.100
MR74	4	7	2	0.25	679	9	14	3	1.350
MR84	4	8	2	0.39	689	9	17	4	3.410
684	4	9	2.5	0.65	699	9	20	6	8.380
MR104	4	10	3	0.96	609	9	24	7	14.700
694	4	11	4	1.69	629	9	26	8	19.000
604	4	12	4	2.19	639	9	30	10	36.200
624	4	13	5	3.1	6700	10	15	4	0.001
634	4	16	5	5.24	6800	10	19	5	0.005
MR85	5	8	2	0.25	6900	10	22	6	0.010
MR95	5	9	2.5	0.54	6000	10	26	8	0.019
MR105	5	10	3	0.91	6200	10	30	9	0.032
MR115	5	11	4	1.6	6300	10	35	11	0.053
685	5	11	3	1.16	6701	12	18	4	0.003
695	5	13	4	2.39	6801	12	21	5	0.006
605	5	14	5	3.46	6901	12	24	6	0.011
16001	12	28	7	0.024	6006	30	55	13	0.116
6001	12	28	8	0.022	6206	30	62	16	0.199
6201	12	32	10	0.037	6306	30	72	19	0.346
6301	12	37	12	0.06	6406	30	90	23	0.735
6702	15	21	4	0.0035	60/32	32	58	13	0.127
6802	15	24	5	0.007	62/32	32	65	17	0.228
6902	15	28	7	0.017	63/32	32	75	20	0.437
16002	15	32	8	0.025	6707	35	44	5	0.015
6002	15	32	9	0.03	6807	35	47	7	0.030
6202	15	35	11	0.045	6907	35	55	10	0.073
6302	15	42	13	0.082	16007	35	62	9	0.110
6703	17	23	4	0.004	6007	35	62	14	0.155
6803	17	26	5	0.008	6207	35	72	17	0.288
6903	17	30	7	0.018	6307	35	80	21	0.457
16003	17	35	8	0.032	6407	35	100	25	0.952
6003	17	35	10	0.039	6708	40	50	6	0.023
6203	17	40	12	0.065	6808	40	52	7	0.033
6303	17	47	14	0.115	6908	40	62	12	0.112
6403	17	62	17	2.7	16008	40	68	9	0.125
6704	20	27	4	0.006	6008	40	68	15	0.192
6804	20	32	7	0.018	6208	40	80	18	0.366
6904	20	37	9	0.036	6308	40	90	23	0.633
16004	20	42	8	0.05	6408	40	110	27	1.230
6004	20	42	12	0.069	6709	45	55	6	0.025
6204	20	47	14	0.106	6809	45	58	7	0.040
6304	20	52	15	0.144	6909	45	68	12	0.132

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6404	20	72	19	0.4	16009	45	75	10	0.170
60/22	22	44	12	0.073	6009	45	75	16	0.245
62/22	22	50	14	0.118	6209	45	85	19	0.407
63/22	22	56	16	0.201	6309	45	100	25	0.833
6705	25	32	4	0.0071	6409	45	120	29	1.530
6805	25	37	7	0.022	6710	50	62	6	0.064
6905	25	42	9	0.041	6810	50	65	7	0.052
16005	25	47	8	0.06	6910	50	72	12	0.133
6005	25	47	12	0.08	16010	50	80	10	0.180
6205	25	52	15	0.128	6010	50	80	16	0.261
6305	25	62	17	0.232	6210	50	90	20	0.463
6405	25	80	21	0.53	6301	50	110	27	1.070
60/28	28	52	12	0.097	6410	50	130	31	1.880
62/28	28	58	16	0.173	6811	55	72	9	0.083
63/28	28	68	18	0.328	6911	55	80	13	0.185
6706	30	37	4	0.0085	16011	55	90	11	0.260
6806	30	42	7	0.026	6011	55	90	18	0.385
6906	30	47	9	0.045	6211	55	100	21	0.607
16006	30	55	9	0.085	6311	55	120	29	1.370
6411	55	140	33	2.29	16018	90	140	16	0.848
6812	60	78	10	0.104	6018	90	140	24	1.160
6912	60	85	13	0.192	6218	90	160	30	2.150
16012	60	95	11	0.28	6318	90	190	43	4.910
6012	60	95	18	0.415	6418	90	225	54	9.780
6212	60	110	22	0.783	6919	95	130	18	0.705
6312	60	130	31	1.7	16019	95	145	16	0.885
6412	60	150	35	0.3	6019	95	145	24	1.210
6813	65	85	10	0.126	9219	95	170	32	2.620
6913	65	90	13	0.211	6319	95	200	45	5.670
16013	65	100	11	0.3	6820	100	125	13	0.309
6013	65	100	18	0.435	6920	100	140	20	0.960
6213	65	120	23	0.99	16020	100	150	16	0.910
6313	65	140	33	2.08	6020	100	150	24	1.250
6413	65	160	37	3.3	6220	100	180	34	3.140
6814	70	90	10	0.134	6320	100	215	47	7.000
6914	70	100	16	0.342	6921	105	145	20	1.000
16014	70	110	13	0.433	16021	105	160	18	1.200
6014	70	110	20	0.602	6021	105	160	26	1.590
6214	70	125	24	1.07	6221	105	190	36	3.700
6314	70	150	35	2.52	6321	105	225	49	8.050
6414	70	180	42	4.83	6822	110	140	16	0.606
6815	75	95	10	0.142	6922	110	150	20	1.040
6915	75	105	16	0.363	16022	110	170	19	1.460
16015	75	115	13	0.457	6022	110	170	28	1.960
6015	75	115	20	0.638	6222	110	200	38	4.360
6215	75	130	25	1.18	6322	110	240	50	9.540
6315	75	160	37	3.02	6824	120	150	16	0.655
6415	75	190	45	5.87	6924	120	165	22	1.410
6816	80	100	10	0.15	16024	120	180	19	1.800
6916	80	110	16	0.382	6024	120	180	28	2.070
16016	80	125	14	0.597	6224	120	215	40	5.150
6012	80	125	22	0.85	6324	120	260	55	12.500
6216	80	140	26	1.4	6826	130	165	18	0.939
6316	80	170	39	3.59	6926	130	180	24	1.860
6416	80	200	48	6.84	16026	130	200	22	2.690

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6817	85	100	13	0.266	6026	130	200	33	3.160
6917	85	120	18	0.535	6226	130	230	40	5.820
16017	85	130	14	0.626	6326	130	280	58	15.100
6017	85	130	22	0.89	6828	140	175	18	1.000
6217	85	150	28	1.79	6928	140	190	24	1.980
6317	85	180	41	4.23	16028	140	210	22	2.860
6417	85	210	52	8.07	6028	140	210	33	3.550
6818	90	115	13	0.279	6228	140	250	42	7.450
6918	90	125	18	0.565	6328	140	300	62	19.400

**Note: We can also design and produce special kinds of bearings according to the requirements of customers.**

**If you need more information, please contact us.**