

## HRB Bearings Catalogue - Deep Groove Ball Bearings - Open Type

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
625	5	16	5	0.3	1.46	0.56	43000	50000	7	14	0.3	0.0051
635	5	19	6	0.3	2.24	0.863	36000	43000	7	14	0.3	0.009
606	6	17	6	0.3	2.19	0.865	38000	45000	8	15	0.3	0.0081
626	6	19	6	0.3	2.23	0.895	36000	43000	8	17	0.3	0.0083
636	6	22	7	0.3	3.3	1.35	32000	38000	8	19.4	0.3	0.013
607	7	19	6	0.3	2.24	0.895	38000	45000	9	17	0.3	0.0078
627	7	22	7	0.3	3.28	1.36	32000	38000	9	20	0.3	0.0124
637	7	26	6	0.3	3.34	1.35	30000	36000	9.6	23.4	0.3	0.024
608	8	22	7	0.3	3.28	1.36	36000	43000	10	20	0.3	0.0117
628	8	24	8	0.3	3.32	1.43	30000	36000	9.3	21	0.3	0.0172
638	8	28	9	0.3	3.53	1.94	28000	34000	10.6	25.4	0.3	0.027
609	9	24	7	0.3	3.32	1.43	32000	38000	11	22	0.3	0.0147
629	9	26	8	0.3	4.55	1.96	28000	34000	11	24	0.3	0.0194
639	9	30	10	0.6	5.1	2.23	24000	30000	12.6	25.8	0.3	0.034
61800 TN	10	19	5	0.3	1.83	0.924	36000	43000	12	17	0.3	0.0054
61900	10	22	6	0.3	1.95	0.75	34000	40000	12	20	0.3	0.01
6000	10	26	8	0.3	4.59	1.97	30000	36000	12	24	0.3	0.0197
6200	10	30	9	0.6	5.1	2.39	24000	30000	14	26	0.6	0.0317
6300	10	35	11	0.6	7.66	3.47	20000	26000	14	31	0.6	0.0551
61801 TN	12	21	5	0.3	1.91	1.04	32000	38000	14	19	0.3	0.0061
61901	12	24	6	0.3	2.25	0.98	30000	36000	14	22	0.3	0.011
6001	12	28	8	0.3	5.1	2.39	26000	32000	14	26	0.3	0.0215
16001	12	30	8	0.3	5.1	2.39	26000	32000	14	28	0.3	0.0192
6201	12	32	10	0.6	6.76	3.05	22000	28000	16	28	0.6	0.0366
6301	12	37	12	1	8.58	3.92	19000	24000	17	32	1	0.0633

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61802 TN	15	24	5	0.3	2.08	1.26	28000	34000	17	22	0.3	0.0072
61902	15	28	7	0.3	4.33	2.25	24000	30000	17	26	0.3	0.0155
16002	15	32	8	0.3	5.62	2.84	22000	28000	17	30	0.3	0.0277
6002	15	32	9	0.3	5.62	2.84	22000	28000	17	30	0.3	0.0308
6202	15	35	11	0.6	7.66	3.72	19000	24000	19	31	0.6	0.0452
6302	15	42	13	1	11.4	5.4	17000	20000	20	37	1	0.0827
61803 TN	17	26	5	0.3	2.22	1.46	24000	30000	19	24	0.3	0.008
61903	17	30	7	0.3	4.6	2.55	22000	28000	19	28	0.3	0.0177
16003	17	35	8	0.3	6.5	3.36	19000	24000	19	33	0.3	0.0321
6003	17	35	10	0.3	6.5	3.36	19000	24000	19	33	0.3	0.0392
6203	17	40	12	0.6	10.3	4.79	17000	20000	21	36	0.6	0.0648
6303	17	47	14	1	13.5	6.55	16000	19000	22	42	1	0.116
6403	17	62	17	1.1	22.9	10.8	12000	15000	23.5	55.5	1	0.27
61804 TN	20	32	7	0.3	3.48	2.23	19000	24000	22	30	0.3	0.0181
61904	20	37	9	0.3	6.38	3.65	18000	22000	22	35	0.3	0.0377
16004	20	42	8	0.3	7.9	4.45	17000	20000	22	40	0.3	0.0506
6004	20	42	12	0.6	9.44	5.03	17000	20000	24	38	0.6	0.0698
6204	20	47	14	1	12.9	6.65	15000	18000	25	42	1	0.103
6304	20	52	15	1	16000	7.88	13000	16000	26.5	45.5	1	0.146
6404	20	72	19	1	31.1	15.2	10000	13000	26.5	65.5	1	0.402
60/22	22	44	12	0.6	9.4	5.05	17000	20000	26	40	0.6	0.074
62/22	22	50	14	1	12.9	6.8	14000	16000	27	45	1	0.117
63/22	22	56	16	1.1	18.5	9.25	13000	16000	28.5	49.5	1	0.177
61805 TN	25	37	7	0.3	3.84	2.8	17000	20000	27	35	0.3	0.0218
61905	25	42	9	0.3	7.32	4.56	16000	19000	27	40	0.3	0.0433
16005	25	47	8	0.3	8.84	5.63	14000	17000	27	45	0.3	0.0583

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6005	25	47	12	0.6	10.1	5.85	15000	18000	29	43	0.6	0.0804
6205	25	52	15	1	14	7.87	12000	15000	30	47	1	0.128
6305	25	62	17	1.1	22.5	11.5	11000	14000	31.5	55.5	1	0.227
6405	25	80	21	1.5	37.3	18.8	9000	11000	33	72	1.5	0.532
60/28	28	52	12	.0.6	10.7	6.63	14000	16000	32	48	0.6	0.101
62/28	28	58	16	1	16.6	9.54	12000	14000	33	53	1	0.174
63/28	28	68	18	1.1	25	12.1	10000	13000	34.5	61.5	1	0.292
61806 TN	30	42	7	0.3	4.15	3.32	15000	18000	32	40	0.3	0.0255
61906	30	47	9	0.3	8.05	5.37	14000	17000	32	45	0.3	0.0486
16006	30	55	9	0.3	11.2	7.36	12000	15000	32	53	0.3	0.0885
6006	30	55	13	1	13.3	8.36	12000	15000	35	50	1	0.117
6206	30	62	16	1	19.5	11.3	10000	13000	35	57	1	0.203
6306	30	72	19	1.1	26.7	14.9	9000	11000	36.5	65.5	1	0.355
6406	30	90	23	1.5	47.3	24.5	8500	10000	38	82	1.5	0.731
60/32	32	58	13	1	13.3	8.39	12000	14000	37	53	1	0.129
62/32	32	65	17	1	21.2	12.5	10000	12000	37	60	1	0.231
63/32	32	75	20	1.1	29.9	17	9000	11000	38.5	68.5	1	0.392
61807 TN	35	47	7	0.3	4.29	3.6	13000	16000	37	45	0.3	0.0289
61907	35	55	10	0.6	9.54	6.83	11000	14000	39	51	0.6	0.0777
16007	35	62	9	0.3	13.1	9.12	10000	13000	37	60	0.3	0.11
6007	35	62	14	1	16	10.3	10000	13000	40	57	1	0.152
6207	35	72	17	1.1	25.6	15.5	9000	11000	41.5	65.5	1	0.285
6307	35	80	21	1.5	33.4	19.2	8500	10000	43	72	1.5	0.455
6407	35	100	25	1.5	55.3	31	7000	8500	43	92	1.5	0.925
61808 TN	40	52	7	0.3	4.52	4.1	11000	14000	42	50	0.3	0.0325
61908	40	62	12	0.6	12.2	8.9	10000	13000	44	58	0.6	0.114

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	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
16008	40	68	9	0.6	13.5	10	9500	12000	42	66.3	0.3	0.127
6008	40	68	15	1	16.8	11.6	9500	12000	45	63	1	0.189
6208	40	80	18	1.1	27.6	17.4	8500	10000	46.5	73.5	1	0.373
6308	40	90	23	1.5	40.8	24	7500	9000	48	82	1.5	0.641
6408	40	110	27	2	63.8	36.6	6700	8000	49	101	2	1.24
61809 TN	45	58	7	0.3	4.73	4.5	9500	12000	47	56	0.3	0.0408
61909	45	68	12	0.6	14.2	10.9	9000	11000	49	64	0.6	0.131
16009	45	75	10	0.6	15.6	12.2	900	11000	49	71	0.6	0.167
6009	45	75	16	1	19.9	14	9000	11000	50	70	1	0.242
6209	45	85	19	1.1	31.2	20.4	7500	9000	51.5	78.5	1	0.42
6309	45	100	25	1.5	48.9	29.3	6700	800	53	92	1.5	0.853
6409	45	120	29	2	72.9	42.6	6000	7000	54	111	2	1.56
61810 TN	50	65	7	0.3	4.93	4.94	9000	11000	52	63	0.3	0.0555
61910	50	72	12	0.6	14.6	11.7	8500	10000	54	68	0.6	0.139
16010	50	80	10	0.6	16.1	13.11	8500	10000	54	76	0.6	0.182
6010	50	80	16	1	20.7	15.4	8500	10000	55	75	1	0.262
6210	50	90	20	1.1	35.1	23.2	7000	8500	56.5	83.5	1	0.467
6310	50	110	27	2	57.6	35.3	6300	75	59	101	2	1.1
6410	50	130	31	2.1	83.3	49.3	5300	6300	61	119	2	1.92
61811 TN	55	72	9	0.3	9.07	8.45	8500	10000	57	70	0.3	0.101
61911	55	80	13	1	18.9	15.1	8000	9500	60	75	1	0.18
16011	55	90	11	0.6	19.1	16.2	7500	9000	59	86	0.6	0.267
6011	55	90	18	1.1	26.7	20.1	7500	9000	61.5	83.5	1	0.382
6211	55	100	21	1.5	43.4	29.2	6300	7500	63	92	1.5	0.609
6311	55	120	29	2	71.6	44.8	5600	6700	64	111	2	1.35
6411	55	140	33	2.1	101	62.3	5000	6000	66	129	2	2.3
61812 TN	60	78	10	0.3	10.3	9.91	7500	9000	62	76	0.3	0.101

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	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
61912	60	75	13	1	19.34	16.2	7500	9000	65	70	1	0.193
16012	60	95	11	0.6	19.9	17.5	6700	8000	64	91	0.6	0.285
6012	60	95	18	1.1	30.2	23	6700	8000	66.5	88.5	1	0.399
6012M	60	95	18	1.1	30.2	23	6700	8000	66.5	88.5	1	0.497
6212	60	110	22	1.5	47.8	32.9	6000	7000	68	102	1.5	0.804
6312	60	130	31	2.1	81.9	51.8	5000	6000	71	119	2	1.71
6412	60	150	35	2.1	109	70.1	4800	5600	71	139	2	2.78
61813 TN	65	85	10	0.6	10.8	10.7	7000	8500	69	81	0.6	0.127
61913	65	90	13	1	19.9	17.5	6700	800	70	85	1	0.206
16013	65	100	11	0.6	20.7	18.6	6300	7500	69	96	0.6	0.303
6013	65	100	18	1.1	31.9	24.9	6300	7500	71.5	93.5	1	0.416
6013 M	65	100	18	1.1	31.9	24.9	6300	7500	71.5	93.5	1	0.553
6213	65	120	23	1.5	50.7	37.1	5300	6300	73	112	1.5	1.04
6313	65	140	33	2.1	92.8	59.7	4800	5600	76	129	2	2.11
6313 M	65	140	33	2.1	92.8	59.7	5600	4800	76	129	2	2.11
6413	65	160	37	2.1	118	78.6	4500	5300	76	149	2	3.36
61814 TN	70	90	10	0.6	1.2	11.5	6700	8000	74	86	0.6	0.135
61914	70	100	16	1	23.7	21.1	6300	7500	75	95	1	0.342
16014	70	110	13	0.6	24.3	22.5	6000	7000	74	106	0.6	0.447
6014	70	110	20	1.1	38.7	30.4	6000	7000	76.5	103.5	1	0.586
6014 M	70	110	20	1.1	38.7	30.4	6000	7000	76.5	103.5	1	0.757
6214	70	125	24	1.5	55.8	41.1	5000	6000	78	117	1.5	1.12
6314	70	150	35	2.1	104	68	4500	5300	81	139	2	2.55
6414	70	180	42	3	135	96.2	3800	4500	83	167	2.5	4.95
61815 TN	75	95	10	0.6	11.3	11.9	6300	7500	79	91	0.6	0.143
61915	75	105	16	1	23.4	22.5	6000	7000	80	100	1	0.362
16015	75	115	13	0.6	25	23.9	56000	67000	79	111	0.6	0.471
6015	75	115	20	1.1	40.3	33.2	5600	6700	81.5	108.5	1	0.617

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6015 M	75	115	20	1.1	40.3	33.2	5600	6700	81.5	108.5	1	0.804
6215	75	130	25	1.5	60.8	45.4	4800	5600	83	122	1.5	1.2
6215 M	75	130	25	1.5	60.8	45.4	4800	5600	83	122	1.5	1.45
6315	75	160	37	2.1	113	77	4300	5000	86	149	2	3.05
6315 M	75	160	37	2.1	113	77	4300	5000	86	149	2	3.77
6415	75	190	45	3	153	114	3600	4300	88	177	2.5	6.8
61816 TN	80	100	10	0.6	11.6	12.7	6000	7000	84	96	0.6	0.152
61916	80	110	16	1	25	23.9	5600	6700	85	105	1	0.382
16016	80	125	14	0.6	31.9	39.7	5300	6300	84	121	0.6	0.606
6016	80	125	22	1.1	42.4	35.6	5300	6300	86.5	118.5	1	0.858
61016 M	80	125	22	1.1	42.4	35.6	5300	6300	86.5	118.5	1	1.08
6216	80	140	26	2	71.5	54.3	4500	5300	89	131	2	1.45
6316	80	170	39	2.1	123	86	3800	4500	91	159	2	3.61
6416	80	200	48	3	163	125	3400	4000	93	187	2.5	8
61817 TN	85	110	13	1	16	16.8	5300	6300	90	105	1	0.268
61917	85	120	18	1.1	31.9	29.7	5300	6300	91.5	113.5	1	0.525
16017	85	130	14	0.6	32.8	31.5	5000	6000	89	126	0.6	0.63
6017	85	130	22	1.1	47.3	40.1	5000	6000	91.5	123.5	1	0.88
6070 M	85	130	22	1.1	47.3	40.1	5000	6000	91.5	123.5	1	1.12
6217	85	150	28	2	77.2	59.3	4300	5000	94	141	2	1.83
6217 M	85	150	28	2	77.2	59.3	4300	5000	94	141	2	1.91
6317	85	180	41	3	133	96.6	3600	4300	98	167	2.5	4.3
6417	85	210	52	4	174	137	3200	3800	101	194	3	9.5
61818 TN	90	115	13	1	16.5	18	5300	6300	95	110	1	0.282
61918	90	125	18	1.1	32.8	31.5	5000	6000	96.5	118.5	1	0.559
61918 M	90	125	18	1.1	32.8	31.5	5000	6000	96.5	118.5	1	0.68
16018	90	140	16	1	42.5	39.2	4800	5600	95	135	1	0.845
16018 M	90	140	16	1	42.5	39.2	4800	5600	95	135	1	0.941

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6018	90	140	24	1.5	52.3	45.1	4800	5600	98	132	1.5	1.16
6018 M	90	140	24	1.5	52.3	45.1	4800	5600	98	132	1.5	1.39
6218	90	160	30	2	96.1	71.5	3800	4500	99	151	2	2.18
6318	90	190	43	3	143	107	3400	4000	103	177	2.5	5
6418	90	225	54	4	186	150	3000	3600	106	209	3	11.5
61819 TN	95	120	13	1	18.6	18.6	5000	6000	100	115	1	0.295
61919	95	130	18	1.1	33.7	33.3	4800	5600	101.35	123.5	1	0.586
16019	95	145	16	1	43.9	42	4500	5300	100	140	1	0.884
6019	95	145	24	1.5	58	50.1	4500	5300	103	137	1.5	1.18
6219 M	95	170	32	2.1	109	81.7	3600	4300	106	159	2	3.26
6219	95	170	32	2.1	109	81.7	3600	4300	106	159	2	2.64
6319	95	200	45	3	153	118	3200	3800	108	187	2.5	5.78
6149	95	240	55	4	203	170	3000	3500	113	222	3	13.4
6149 M	95	240	55	4	203	170	3000	3500	113	222	3	13.4
61820 TN	100	125	13	1	16.9	19.1	4800	5600	105	120	1	0.308
61920	100	140	20	1.1	43.9	42	4500	5300	106.5	133.5	1	0.786
61920 M	100	140	20	1.1	43.9	42	4500	5300	106.5	133.5	1	0.96
16020	100	150	16	1	46.3	44.8	4300	5000	105	145	1	0.912
6020	100	150	24	1.1	63.7	50.4	4300	5000	108	142	1.5	1.22
6020 M	100	150	24	1.1	63.7	50.4	4300	5000	108	169	2	1.4
6220	100	180	34	2.1	122	92.7	3400	4000	111	169	2	3.15
6320	100	215	47	3	173	140	3000	3600	113	202	2.5	7.11
6420	100	250	58	4	224	195	2900	3400	118	232	3	12.8
6420 M	100	250	58	4	224	195.3	2900	3400	118	232	3	15.4
61821 TN	105	130	13	1	17.4	20.4	4500	5300	110	125	1	0.323
61921	105	145	20	1.1	46.3	44.8	4300	5000	111.5	138.5	1	0.805
16021	105	160	18	1	52	51	4000	4800	110	155	1	1.2
6021	105	160	26	2	69.8	61.2	4000	4800	114	151	2	1.56

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Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
3221	105	190	36	2.1	133	104	3200	3800	116	179	2	3.82
6321	105	225	49	3	182	153	2800	3400	118	212	2.5	8.25
61822 TN	110	140	16	1	24.3	27.2	4300	5000	115	135	1	0.499
61922	110	150	20	1.1	47.8	47.7	4000	4800	116.5	143.5	1	0.84
1622	110	170	19	1	57.2	57	3800	4500	115	165	1	1.45
6022	110	170	28	2	75.1	67.3	3800	4500	119	161	2	1.96
6022 M	110	170	28	2	75.1	67.3	3800	4500	119	162	2	2.72
6222	110	200	38	2.1	144	117	3000	3600	121	189	2	4.45
6222M	110	200	38	2.1	144	117	3000	3600	121	189	2	5.46
6322	110	240	50	3	203	180	2600	32000	123	227	2.5	9.55
61824 TN	120	150	16	1	25	26	3800	4500	125	145	1	0.54
61924	120	165	22	1.1	57.2	56.9	3600	4300	126.5	158.5	1	1.15
61924 M	120	165	22	1.1	57.2	56.9	3600	4300	126.5	158.5	1	1.54
16024	120	180	19	1	60.5	64	3400	4000	125	171	1	1.6
16024 M	120	180	19	1	60.5	64	3400	4000	125	171	1	1.82
6024	120	180	28	2	88.3	79.7	3400	4000	129	171	2	2.052
6024 M	120	180	28	2	88.3	79.7	3400	3400	129	171	2	2.68
6224	120	215	40	4.1	156	131	2800	3400	131	204	2	5.3
6224M	120	215	40	2.1	156	131	2800	3400	131	204	2	6.33
6324	120	260	55	3	208	186	2400	3000	133	247	2.5	14.5
61826 TN	130	165	18	1.1	32.5	34	3600	4300	136.5	158.5	1	0.774
61926 M	130	180	24	1.5	69.4	70	3400	4000	138	172	1.5	1.92
61926	130	180	24	1.5	69.4	70	3400	4000	138	172	1.5	1.51
16026	130	200	22	1.1	79.3	81.5	3200	3800	136.5	193.5	1	2.42
16026 M	130	200	22	1.1	79.3	81.5	3200	3800	136.5	193.5	1	2.42
6026	130	200	33	2	102	93.9	3200	3800	139	191	2	3.16
6026 M	130	200	33	2	102	93.9	3200	3800	139	191	2	3.96
6326	130	280	58	4	229	216	2200	2800	146	264	3	18



**HRB Bearings Catalogue - Deep Groove Ball Bearings - Open Type**

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
6326 M	130	280	58	4	229	216	2200	2800	146	264	3	18.3
61828 TN	140	175	18	1.1	34	36.5	3400	4000	146.5	168.5	1	0.828
61828 M	140	175	18	1.1	34	36.5	3400	4000	146.5	168.5	1	0.93
61928	140	190	24	1.5	71.2	74.6	3200	3800	148	182	1.5	1.6
16028	140	210	22	1.1	80.6	86.5	3000	3600	146.5	203.5	1	3.08
16028 M	140	210	22	1.1	80.6	86.5	3000	3600	146.5	203.5	1	2.5
6028	140	210	33	2	115	109	3000	3600	149	201	2	3.25
6028 M	140	210	33	2	115	109	3000	3600	149	201	2	3.89
6228	140	250	42	3	165	150	2400	3000	153	237	2.5	7.45
6228 M	140	250	42	3	165	150	2400	3000	153	237	2.5	9.44
6328	140	300	62	4	251	245	2000	2600	156	284	3	22
6328 M	140	300	62	4	251	245	2000	2600	156	284	3	22.3
61830 TN	150	190	20	1.1	42.5	44	3000	3600	156.5	183.5	1	1.12
61.93	150	210	28	2	88.4	93	2800	3400	159	201	2	3.05
16030	150	225	24	1.1	92.3	98	2600	3200	145.5	218.5	1	3.15
6030	150	225	35	2.1	125	125	2600	3200	161	214	2	4.8
6030 M	150	225	35	2.1	125	125	2600	3200	161	214	2	5.01
6230	150	270	45	3	174	166	2000	2600	163	257	2.5	9.4
6230 M	150	270	45	3	174	166	2000	3600	163	257	2.5	11.8
6330	150	320	65	4	276	285	1900	2400	166	304	3	26
6330 M	150	320	65	4	276	285	1900	2400	166	304	3	26.4
61832 TN	160	200	20	1.1	44	48	2800	3400	166.5	193.5	1	1.19
61932	160	220	28	2	92.3	98	2600	3200	169	211	2	3.25
16032	160	240	25	1.5	99.5	108	2400	3000	168	232	1.5	3.7
16032 M	160	240	25	1.5	99.5	108	2400	3000	168	232	1.5	4.61
6032	160	240	28	2.1	143	143	2400	3000	171	229	2	5.9
6032 M	160	240	38	2.1	143	143	2400	3000	171	229	2	6.41
6232	160	290	48	3	186	186	1900	2400	173	277	2.5	14.5

**HRB Bearings Catalogue - Deep Groove Ball Bearings - Open Type**

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
6232 M	160	290	48	3	186	186	1900	2400	173	277	2.5	14.6
6332	160	340	68	4	312	285	1800	2200	176	324	3	29
6332 M	160	340	68	4.3	312	285	1800	2200	176	324	3	31.1
61834 TN	170	215	22	1.1	54	58.5	2600	3200	176.5	208.5	1	1.56
61834 M	170	215	22	1.1	54	58.5	2600	3200	176.5	208.5	1	1.87
61934	170	230	28	2	93.6	106	2400	3000	179	221	2	3.4
61934 M	170	230	28	2	93.6	106	2400	3000	179	221	2	5.19
16034	170	260	28	1.5	119	129	2200	2800	178	252	1.5	5
16034 M	170	260	28	1.5	119	129	2200	2800	178	252	1.5	5.83
6034	170	260	42	2.1	168	173	2200	2800	181	249	2	7.9
6034 M	170	260	42	2.1	168	173	2200	2800	181	248	2	8.23
6234	170	310	52	4	212	224	1900	2400	186.3	294	3	17.5
6234 M	170	310	52	4	212	224	1900	2400	186	294	3	18.4
6334	170	360	72	4	312	340	1700	2000	186	344	3	34.5
6334 M	170	360	72	4	312	340	1700	2000	186	344	3	34.9
61836 TN	180	225	22	1.1	56	63	2400	3000	186.5	218.5	1	1.65
61936	180	250	33	2	119	134	2200	2800	189	241	2	5.05
61936 M	180	250	33	2	119	134	2200	2800	189	241	2	5.27
16036	180	280	31	2	138	146	2000	2600	189	271	2	6.6
6036	180	280	46	2.1	190	200	2000	2600	191	269	2	10.5
6036 M	180	280	46	2.1	190	200	2000	2600	191	269	2	10.7
6236	180	320	52	4	229	240	1800	2200	196	304	3	18.5
6336	180	380	75	4	351	405	1600	200	196	364	3	42.5
61838 TN	190	240	24	1.5	67	73.5	2200	2800	198	232	1.5	2.12
61838 M	190	240	24	1.5	67	73.5	2200	1800	198	232	1.5	2.38
61938	190	260	33	2	117	134	2200	2800	199	251	2	5.25
61938 M	190	260	33	2	117	134	2200	2800	199	251	2	5.85
16038	190	290	31	2	148	166	2000	2600	199	281	2	7.9

**HRB Bearings Catalogue - Deep Groove Ball Bearings - Open Type**

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
16038 M	190	290	31	2	148	166	2000	2600	199	281	2	8.11
6038	190	290	46	2.1	195	216	2000	2600	201	279	2	11
6038 M	190	290	46	2.1	195	216	2000	2600	201	279	2	11.1
6238	190	340	55	4	255	280	1700	2000	206	324	3	23
6238 M	190	340	55	4	255	280	1700	2000	206	324	3	23
6338	190	400	78	5	371	430	1600	1900	210	380	4	49
61840 M	200	250	24	1.5	76.1	102	2200	2800	208	242	1.5	2.7
61940	200	280	38	2.1	148	106	2000	2600	211	269	2	7.4
16040	200	310	34	2	168	190	1900	2400	209	301	2	8.85
16040 M	200	310	34	2	168	190	1900	2400	211	299	2	10.3
6040	200	310	51	2.1	216	245	1900	2400	211	299	2	14
6040 M	200	310	51	2.1	216	245	1900	2400	211	299	2	14.3
6240	200	360	58	4	270	310	1700	2000	216	344	3	28
61844 M	220	270	24	1.5	78	110	1900	2400	228	262	1.5	3
61944	220	300	38	2.1	151	180	1900	2400	231	288	2	8
61844 M	220	300	38	2.1	151	180	1900	2400	231	286	2	8.5
61944 X1M	220	309.5	38	2.1	151	180	1900	2400	231	289.5	2	9.3
16044	220	340	37	2.1	174	204	1800	2200	231	329	2	11.5
6044	220	340	56	3	247	290	1800	2200	233	317	2.5	18.5
6044 M	220	340	56	3	247	290	1800	2200	233	317	2.5	18.8
6244	20	400	65	4	296	365	1500	1800	236	384	3	37
61848 M	240	300	28	2	108	150	1800	2200	249	291	2	4.5
61948	240	320	38	2.1	159	200	1800	2200	251	309	2	8.6
61948 M	240	320	38	2.1	159	2000	1800	2200	251	309	2	8.9
16048	240	360	37	2.1	178	220	1700	2000	251	349	2	14.5
6048	240	360	56	3	255	315	1700	2000	253	347	2.5	19.5
6048 M	240	360	26	3	255	315	1700	2000	253	317	2.5	20.7
6048 X1M	240	359.5	56	3	255	315	1700	2000	253	346.5	2.5	20.7

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Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
61852 M	260	320	28	2	111	163	1700	2000	269	311	2	4.8
61952	260	360	46	2.1	212	270	1600	1900	271	349	2	14.5
16052	260	400	44	3	238	310	1500	1800	273	387	2.5	21.5
6052	260	400	65	4	291	375	1500	1800	276	384	3	29.5
6052 M	260	400	65	4	291	375	1500	1800	276	384	3	29.8
61856 M	280	350	33	2	138	200	1600	1900	289	341	2	7.4
61956	280	380	46	2.1	216	285	1500	1800	291	369	2	15.5
61956 M	280	380	46	2.1	216	285	1500	1800	291	369	2	15.6
61956 X1M-1	280	390	46	4	216	285	1500	1800	291	379	2	17.6
61860 M	320	380	38	2.1	172	245	1400	1700	311	369	2	10.5
61864 M	320	400	38	2.1	172	255	1300	1600	311	389	2	11
864	320	412	38	2.5	164	292	1300	1600	332	400	2.5	12.7
61964	320	440	56	3	214	395	1300	1600	333	427	2.5	24.9
6064	320	480	74	4	265	510	1100	1400	336	464	3	50.3
61968	340	460	56	3	282	420	1100	1400	353	447	2.5	27
61872	360	440	38	2.1	126	242	1100	1400	351	429	2	12.2
6072 F1	360	540	82	5	310	620	1000	1300	380	520	4	64.7
61876 F1	380	480	46	2.1	241	314	1000	1300	391	469	2	19
60976	380	520	65	4	266	550	1000	1300	396	504	3	39.8
61980 F3	400	540	65	4	273	582	950	1200	416	524	3	39.4
6080 F1	400	600	90	5	370	780	900	1100	420	580	4	86.5
61984 F1/C9	420	560	65	4	247	395	900	1100	436	544	3	41.9
61984 F1	420	560	65	4	247	395	900	1100	436	544	3	41.9

**HRB Bearings Catalogue - Deep Groove Ball Bearings - Open Type**

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
61988 F3	440	600	74	4	292	648	900	1100	456	584	3	60.5
6088	440	650	94	6	390	880	850	1000	466	624	5	108
61992 F3	460	620	74	4	299	678	850	1000	476	604	3	63
619/500X3F1	500	660	75	5	304	716	750	900	520	650	4	68.8
60/500	500	720	100	6	415	1020	750	900	526	694	5	135
60/560N1MAS/C9	560	820	115	6	600	1500	630	750	586	794	5	208
160/800X2F1	800	1150	115	7.5	650	2080	500	550	820	1130	6	427
618/850F1	850	1030	82	5	428	1303	450	530	870	1010	4	144
618/1000F1	1000	1220	100	6	525	1720	340	400	1026	1194	5	230
618/1180X1	1180	1420	196	6	710	2580	320	360	1206	1394	5	310
618/1240X1	1240	1480	112	6	71500	2660	300	340	1226	1454	5	256

HRB Bearings Catalogue - Deep Groove Ball Bearings - -Z, -ZZ, -RZ, -2RZ, -RS1, -2RS1

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (mm)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease		Oil				
-Z	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z, -2Z	-2RS1		da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
625-Z	-2Z	-2RZ		5	16	5	0.3	1.46	0.56	43000		50000	7	14.4	0.3	0.005
635-Z	-2Z	-2RZ		5	19	6	0.3	2.24	0.863	36000		43000	7	17	0.3	0.009
626-Z	-2Z	-2RZ	-2RS1	6	19	6	0.3	2.23	0.895	36000	22000	43000	8	17	0.3	0.0084
636-Z	-2Z	-2RZ	-2RS1	6	22	7	0.3	3.3	1.35	30000	20000	37000	8.6	19.4	0.3	0.013
607-Z	-2Z	-2RZ	-2RS1	7	19	6	0.3	2.24	0.895	43000	22000	50000	9	17	0.3	0.0078
627-Z	-2Z	-2RZ	-2RS1	7	22	7	0.3	3.28	1.36	32000	20000	38000	9	20	0.3	0.0126
637-Z	-2Z	-2RZ	-2RS1	7	26	9	1.3	3.34	1.35	27000	18000	33000	9.6	23.4	0.3	0.024
608-Z	-2Z	-2RZ	-2RS1	8	22	7	0.3	3.28	1.36	31000	20000	43000	10	20	0.3	0.0119
628-Z	-2Z	-2RZ	-2RS1	8	24	8	0.3	3.32	1.43	31000	18000	36000	9.3	21	0.3	0.0172
638-Z	-2Z	-2RZ	-2RS1	8	28	9	0.3	3.53	1.94	26000	16000	31000	10.6	25.4	0.3	0.027
609-Z	-2Z	-2RZ	-2RS1	9	24	7	0.3	3.32	1.43	32000	19000	38000	11	22	0.3	0.0148
629-Z	-2Z	-2RZ	-2RS1	9	26	8	0.3	4.55	1.96	28000	18000	34000	11	24	0.3	0.0193
639-Z	-2Z	-2RZ	-2RS1	9	30	10	0.6	5.1	2.23	23000	16000	29000	12.6	25.8	0.5	0.034
61800-Z	-2Z	-2RZ	-2RS1	10	19	5	0.3	1.83	0.924	36000	2000	43000	12	17.5	0.3	0.0055
61900-Z	-2Z	-2RZ	-2RS1	10	22	6	0.3	1.95	0.75	34000	19000	40000	12	20	0.3	0.01
6001-Z	-2Z	-2RZ	-2RS1	10	26	8	0.3	4.59	1.97	30000	19000	36000	12	24	0.3	0.0197
6201-Z	-2Z	-2RZ	-2RS1	10	30	9	0.6	5.1	2.39	24000	17000	30000	14	26	0.6	0.0317
6301-Z	-2Z	-2RZ	-2RS1	10	65	11	0.6	7.66	3.47	20000	15000	26000	14	31	0.6	0.0548
61801-Z	-2Z	-2RZ	-2RS1	12	21	5	0.3	1.91	1.04	32000	19000	38000	14	19	0.3	0.0063
61901-Z	-2Z	-2RZ	-2RS1	12	24	6	0.3	2.25	0.98	30000	18000	36000	14	22	0.3	0.011
6001-Z	-2Z	-2RZ	-2RS1	12	28	8	0.3	5.1	2.39	26000	17000	32000	14	26	0.3	0.0215
6201-Z	-2Z	-2RZ	-2RS1	12	32	10	0.6	6.76	3.05	22000	15000	28000	16	28	0.6	0.0364
6301-Z	-2Z	-2RZ	-2RS1	12	37	12	1	8.58	3.92	19000	14000	24000	17	32	1	0.0629
61802-Z	-2Z	-2RZ	-2RS1	15	24	5	0.3	2.08	1.26	28000	17000	34000	17	22.5	0.3	0.0074



**HRB Bearings Catalogue - Deep Groove Ball Bearings - -Z, -ZZ, -RZ, -2RZ, -RS1, -2RS1**

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (mm)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease		Oil				
-Z	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z, -2Z	-2RS1			da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>
61806-Z	-2Z	-2RZ	-2RS1	30	42	7	0.3	4.15	3.32	15000	9500	18000	32	40	0.3	0.026
61906-Z	-2Z	-2RZ	-2RS1	30	47	9	0.3	8.05	5.37	14000	8500	17000	32	45	0.3	0.0488
6006-Z	-2Z	-2RZ	-2RS1	30	55	13	1	13.3	8.36	12000	8000	15000	35	50	1	0.117
6206-Z	-2Z	-2RZ	-2RS1	30	62	16	1	19.5	11.3	10000	7500	13000	35	27	1	0.203
6306-Z	-2Z	-2RZ	-2RS1	30	72	19	1.1	26.7	14.9	9000	6300	11000	36.5	65.5	1	0.356
60/32-Z	-2Z	-2RZ	-2RS1	32	58	13	1	13.3	8.39	12000	7200	14000	37	53	1	0.129
62/32-Z	-2Z	-2RZ	-2RS1	32	65	17	1	21.2	12.5	10000	7100	12000	37	60	1	0.231
63/32-Z	-2Z	-2RZ	-2RS1	32	75	20	1.1	29.9	17	9000	6500	11000	38.5	68.5	1	0.392
61807-Z	-2Z	-2RZ	-2RS1	35	47	7	0.3	4.29	3.6	13000	8000	16000	37	45	0.3	0.03
61907-Z	-2Z	-2RZ	-2RS1	35	55	10	0.6	9.54	6.83	11000	7500	14000	39	51	0.6	0.0776
6007-Z	-2Z	-2RZ	-2RS1	35	62	14	1	16	10.3	10000	7000	13000	40	57	1	0.152
6207-Z	-2Z	-2RZ	-2RS1	35	72	17	1.1	25.6	15.35	9000	6300	11000	41.5	65.35	1	0.286
6307-Z	-2Z	-2RZ	-2RS1	35	80	21	1.5	33.4	19.2	8500	6000	1000	43	72	1.5	0.456
61808-Z	-2Z	-2RZ	-2RS1	40	52	7	0.36	4.52	4.1	11000	7500	14000	42	50.2	0.3	0.033
61908-Z	-2Z	-2RZ	-2RS1	40	62	12	0.6	12.2	8.9	10000	6700	13000	44	58	0.6	0.114
6008-Z	-2Z	-2RZ	-2RS1	40	68	15	1	16.8	11.6	9500	6300	12000	45	63	1	0.189
6208-Z	-2Z	-2RZ	-2RS1	40	80	18	1.1	27.6	147.4	8500	5600	10000	46.5	7305	1	0.375
6308-Z	-2Z	-2RZ	-2RS1	40	90	23	1.5	10.8	24	7500	5000	9000	48	82	1.5	0.645
61809-Z	-2Z	-2RZ	-2RS1	45	58	7	0.3	4.73	4.5	9500	6700	12000	47	56	0.3	0.04
61909-Z	-2Z	-2RZ	-2RS1	45	68	12	1.6	14.2	10.9	9000	6000	11000	49	64	0.6	0.131
6009-Z	-2Z	-2RZ	-2RS1	45	75	16	1	19.9	14	9000	5600	11000	50	70	1	0.242
6209-Z	-2Z	-2RZ	-2RS1	45	85	19	1.1	31.2	20.4	7500	5000	9000	51.5	783.5	1	0.423
6309-Z	-2Z	-2RZ	-2RS1	45	100	25	1.5	48.9	29.3	6700	4500	8000	53	92	1.5	0.858
61810-Z	-2Z	-2RZ	-2RS1	50	65	7	0.3	4.93	4.49	9000	600	11000	52	63	0.3	0.052
61910-Z	-2Z	-2RZ	-2RS1	50	75	12	0.6	143.6	10.4	8500	5600	10000	54	68	0.6	0.139
6010-Z	-2Z	-2RZ	-2RS1	50	80	16	1	20.7	15.4	8500	5000	10000	55	75	1	0.262



**HRB Bearings Catalogue - Deep Groove Ball Bearings - -Z, -ZZ, -RZ, -2RZ, -RS1, -2RS1**

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Liniting speeds (mm)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease		Oil				
-Z	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z, -2Z	-2RS1			da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>
6210-Z	-2Z	-2RZ	-2RS1	50	90	20	1.1	35.1	23.2	7000	4800	8500	56.35	83.5	1	0.47
6310-Z	-2Z	-2RZ	-2RS1	50	110	27	2	57.5	35.3	6300	4300	7500	59	101	2	1.1
61811-Z	-2Z	-2RZ	-2RS1	55	72	9	0.3	9.07	8.45	8500	5300	10000	57	70	0.3	0.083
61911-Z	-2Z	-2RZ	-2RS1	55	80	13	1	18.9	15.1	8000	5000	9500	60	75	1	0.18
6011-Z	-2Z	-2RZ	-2RS1	55	90	18	1.1	26.7	20.1	7500	4500	9000	61.5	83.5	1	0.382
6211-Z	-2Z	-2RZ	-2RS1	55	100	21	1.5	43.4	29.2	6300	4300	7500	63	92	1.5	0.612
6311-Z	-2Z	-2RZ	-2RS1	55	130	31	2.1	71.6	44.8	5600	3800	67	64	111	2	1.38
61812-Z	-2Z	-2RZ	-2RS1	60	78	10	1.3	10.3	91.91	7500	4800	9000	62	76	0.3	0.106
61912-Z	-2Z	-2RZ	-2RS1	60	85	13	1	19.4	16.2	7500	4500	9000	65	80	1	0.193
6012-Z	-2Z	-2RZ	-2RS1	60	95	18	1.1	30.2	23	6700	4300	8000	66.5	88.5	1	0.399
6212-Z	-2Z	-2RZ	-2RS1	60	110	22	1.5	47.8	32.9	6000	4000	7000	68	102	1.5	0.809
6312-Z	-2Z	-2RZ	-2RS1	60	130	31	2.1	81.9	51.8	5000	3400	6000	71	119	2	1.72
61813-Z	-2Z	-2RZ	-2RS1	65	85	10	1.6	10.8	10.7	7000	4500	8500	68.5	81	0.6	0.128
61913-Z	-2Z	-2RZ	-2RS1	65	90	13	1	19.9	17.5	6700	4300	8000	70	85	1	0.206
6013-Z	-2Z	-2RZ	-2RS1	65	100	18	1.1	31.9	24.9	6300	4000	7500	71.5	93.5	1	0.417
6213-Z	-2Z	-2RZ	-2RS1	65	120	23	1.5	50.7	37.1	5300	3600	6300	73	112	1.5	1.05
6313-Z	-2Z	-2RZ	-2RS1	65	140	33	2.1	92.8	59.7	4800	3200	5600	76	129	2	2.12
61814-Z	-2Z	-2RZ	-2RS1	70	90	10	0.6	11.2	11.5	6700	4300	800	73.5	86.5	0.6	0.137
61914-Z	-2Z	-2RZ	-2RS1	70	100	16	1	23.7	21.1	6300	4000	7500	75	95	1	0.342
6014-Z	-2Z	-2RZ	-2RS1	70	110	20	1.1	38.7	30.4	6000	3600	7000	76.5	103.5	1	0.59
6214-Z	-2Z	-2RZ	-2RS1	70	125	24	1.5	55.8	41.1	5000	3400	6000	78	117	1.5	1.12
6314-Z	-2Z	-2RZ	-2RS1	70	150	35	2.1	104	68	4500	3000	5300	81	139	2	2.56
61815-Z	-2Z	-2RZ	-2RS1	75	95	10	0.6	11.3	11.9	6300	4000	7500	79	91	0.6	0.145
61915-Z	-2Z	-2RZ	-2RS1	75	105	16	1	23.4	22.5	6000	2600	7000	80	1000	1	0.364
6015-Z	-2Z	-2RZ	-2RS1	75	115	20	1.1	40.3	33.2	5600	3400	6700	81.35	18.5	1	0.621
6215-Z	-2Z	-2RZ	-2RS1	75	130	25	1.5	60.8	45.4	4800	3200	5600	83	122	1.5	1.2

**HRB Bearings Catalogue - Deep Groove Ball Bearings - -Z, -ZZ, -RZ, -2RZ, -RS1, -2RS1**

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (mm)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease		Oil				
-Z	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z, -2Z	-2RS1			da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>
6315-Z	-2Z	-2RZ	-2RS1	75	160	37	2.1	113	77	4300	2800	5000	86	149	2	3.06
61816-Z	-2Z	-2RZ	-2RS1	80	1000	10	0.6	11.6	12.7	6000	3600	7000	84	96	0.6	0.154
61916-Z	-2Z	-2RZ	-2RS1	80	110	16	1	45	23.9	5600	3400	6700	85	105	1	0.384
6016-Z	-2Z	-2RZ	-2RS1	80	125	22	1.1	42.4	35.6	5300	3200	6300	86.5	118.5	1	0.862
6216-Z	-2Z	-2RZ	-2RS1	80	140	26	2	71.5	54.3	4500	3000	5300	89	131	2	1.46
6316-Z	-2Z	-2RZ	-2RS1	80	170	39	2.1	123	86.5	3800	2600	4500	91	159	2	3.62
61817-Z	-2Z	-2RZ	-2RS1	85	110	13	1	16	16.8	5300	3400	5600	90	105	1	0.27
61917-Z	-2Z	-2RZ	-2RS1	85	120	18	1.1	31.9	29.7	5300	3000	6300	91.35	113.5	1	0.527
6017-Z	-2Z	-2RZ	-2RS1	85	130	22	1.1	47.3	40.1	5000	3000	6000	91.5	123.5	1	0.886
6217-Z	-2Z	-2RZ	-2RS1	85	150	28	2	77.2	59.3	4300	2800	5000	94	141	2	1.84
6317-Z	-2Z	-2RZ	-2RS1	85	180	41	3	133	96.5	3600	2400	4300	98.01	167	2.5	4.35
61818-Z	-2Z	-2RZ	-2RS1	90	115	13	1	16.5	18	5300	3200	6300	95	110	1	0.3
61918-Z	-2Z	-2RZ	-2RS1	90	125	18	1	32.8	31.5	5000	2900	6000	96.5	118.5	1	0.579
6018-Z	-2Z	-2RZ	-2RS1	90	140	24	1.5	52.8	45.1	4800	2800	5600	98	132	1.5	1.19
6218-Z	-2Z	-2RZ	-2RS1	90	160	30	2	96.1	71.5	3800	2600	4500	99	151	2	2.63
6318-Z	-2Z	-2RZ	-2RS1	90	190	43	3	143	107	3400	2400	4000	103	177	2.5	5.87
61819-Z	-2Z	-2RZ	-2RS1	95	120	13	1	18.6	18.6	5000	3000	6000	100	115	1	0.285
61919-Z	-2Z	-2RZ	-2RS1	95	130	18	1.1	33.73	33.3	4800	2800	5600	101.5	123.5	1	0.554
6019-Z	-2Z	-2RZ	-2RS1	95	145	24	4.5	58	50.1	4500	2800	5300	103	137	1.5	1.16
6219-Z	-2Z	-2RZ	-2RS1	95	170	32	2.1	109	81.7	3600	2400	4300	106	159	2	2.19
6319-Z	-2Z	-2RZ	-2RS1	95	200	45	3	153	118	3200	2300	3800	108	187	2.5	5.07
61820-Z	-2Z	-2RZ	-2RS1	100	125	13	1	16.9	19.1	4800	3000	5600	105	120	1	0.313
61920-Z	-2Z	-2RZ	-2RS1	100	140	20	1.1	43.91	42	4500	2600	5300	106.5	133.5	1	0.785
6020-Z	-2Z	-2RZ	-2RS1	100	150	24	1.5	63.7	50.4	1300	2600	5000	108.5	142	1.5	1.15
6220-Z	-2Z	-2RZ	-2RS1	100	180	24	2.1	122	92.7	3400	2400	400	111	169	2	3.15
6320-Z	-2Z	-2RZ	-2RS1	100	215	47	3	173	140	3000	2200	3600	113	202	2.5	7

HRB Bearings Catalogue - Deep Groove Ball Bearings - -Z, -ZZ, -RZ, -2RZ, -RS1, -2RS1

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Liniting speeds (mm)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease		Oil				
-Z	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z, -2Z	-2RS1			da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>
61821-Z	-2Z	-2RZ	-2RS1	105	130	13	1	17.4	20.4	4500	2800	5300	110	125	1	0.32
61921-Z	-2Z	-2RZ	-2RS1	105	1450	20	1.1	46.3	44.8	4300	2500	5000	11.5	138.5	1	0.816
6021-Z	-2Z	-2RZ	-2RS1	105	160	26	2	69.8	61.2	4000	2400	4800	114	151	2	1.59
6221-Z	-2Z	-2RZ	-2RS1	105	190	36	201	133	104	3200	2200	3800	116	179	2	3.7
6321-Z	-2Z	-2RZ	-2RS1	105	225	49	3	182	153	2800	2100	3400	118	212	2.5	8.05
61822-Z	-2Z	-2RZ	-2RS1	110	140	16	1	24.3	27.2	4300	2600	5000	115	135	1	0.6
61922-Z	-2Z	-2RZ	-2RS1	110	150	20	1.1	47.8	47.7	4000	2400	4800	116.5	143.5	1	0.849
6022-Z	-2Z	-2RZ	-2RS1	110	170	28	2	75.1	67.3	3800	2400	4500	119	161	2	1.96
6222-Z	-2Z	-2RZ	-2RS1	110	200	38	2.1	144	117	3000	2000	36000	121	189	2	4.45
6322-Z	-2Z	-2RZ	-2RS1	110	240	50	3	203	180	2600	1900	3200	123	227	2.5	9.54
61824-Z	-2Z	-2RZ	-2RS1	120	150	16	1	25	26	3800	2400	4500	125	145	1	0.65
6024-Z	-2Z	-2RZ	-2RS1	120	180	28	2	88.3	79.7	3400	2200	4000	129	171	2	2.05
6224-Z	-2Z	-2RZ	-2RS1	120	215	40	2.1	156	131	2800	1900	3400	131	204	2	5.26
61826-Z	-2Z	-2RZ	-2RS1	130	165	18	1.1	32.5	34	3600	2200	4300	136	158.5	1	0.93
6026-Z	-2Z	-2RZ	-2RS1	130	200	33	2	102	3.9	3200	2000	3800	139	191	2	3.15
6226-Z	-2Z	-2RZ	-2RS1	130	230	40	3	156	132	2600	1700	3200	143	217	2.5	5.8
61828-Z	-2Z	-2RZ	-2RS1	140	175	18	1.1	34	36.5	3400	2000	4000	146.5	168.5	1	0.99
6028-Z	-2Z	-2RZ	-2RS1	140	210	33	2	115	109	3000	1800	3600	149	201	2	3.35
6030-Z	-2Z	-2RZ	-2RS1	150	225	35	2.1	125	125	2600	1700	3200	161	214	2	4.8
6032-Z	-2Z	-2RZ	-2RS1	160	240	38	2.1	143	143	2400	1600	3000	171	229	2	5.9

## HRB Bearings Catalogue - Deep Groove Ball Bearings - N, NR, -ZN, -ZNR

Bearing numbers				Boundaru dimensions					Basic load ratings		Limiting speeds (r/min)		Snap ring dimensions (mm)			Snap ring groove dimensions (mm)				Abutment and fillet dimensions (mm)					
N	NR	-ZN	-ZNR	d	D	B	r <sub>min</sub>	r <sub>8min</sub>	Cr	Cor	Grease	Oil	Numbers	D <sub>2max</sub>	f	Dn <sub>max</sub>	b <sub>min</sub>	a <sub>max</sub>	r <sub>0max</sub>	da <sub>min</sub>	Da <sub>max</sub>	Db <sub>min</sub>	ba <sub>min</sub>	Ca <sub>max</sub>	ra <sub>max</sub>
61900N	NR	-ZN	-ZNR	10	22	6	0.3	0.3	1.95	0.75	34000	40000	NR1022	24.8	0.70	20.80	0.80	1.50	0.20	12.00	20.0	26	1.0	1.70	0.3
6200N	NR	-ZN	-ZNR	10	30	9	0.6	0.5	5.10	2.39	24000	30000	NR30	34.7	1.12	28.17	1.25	2.06	0.40	14.00	26.0	26	1.5	3.18	2.6
6300N	NR	-ZN	-ZNR	10	35	11	0.6	0.5	7.66	3.47	20000	26000	NR35	39.7	1.12	22.17	1.35	2.06	0.40	14.00	31.0	41	1.5	3.18	0.6
61901N	NR	-ZN	-ZNR	12	24	6	0.3	0.3	2.25	0.98	30000	36000	NR1024	26.8	2.70	22.80	0.80	1.05	0.20	14.00	22.0	28	1.0	1.70	0.3
6001N	NR	-ZN	-ZNR	12	28	8	0.3	0.3	5.10	2.39	36000	32000	NR28	30.8	0.85	26.70	0.95	1.30	0.25	14.00	26.0	32	1.2	2.15	0.3
6201N	NR	-ZN	-ZNR	12	32	10	0.3	0.5	6.76	3.05	22000	28000	NR32	36.7	1.12	20.15	1.35	2.06	0.40	16.00	28.0	38	1.5	3.18	0.6
6301N	NR	-ZN	-ZNR	12	37	12	1.0	0.5	8.58	3.92	19000	24000	NR37	14.3	1.12	34.77	1.35	2.06	0.40	17.00	32.0	42	1.5	3.18	1.0
61902N	NR	-ZN	-ZNR	15	28	7	0.3	0.3	4.33	2.25	24000	30000	NR1028	30.8	0.85	26.70	0.95	1.30	0.25	17.00	26.0	32	1.2	2.15	0.3
6002N	NR	-ZN	-ZNR	15	32	9	0.3	0.3	5.62	2.84	22000	28000	NR32	26.7	1.12	30.15	1.35	2.06	0.40	17.00	30.0	38	1.5	3.18	0.3
6202N	NR	-ZN	-ZNR	15	35	11	0.6	0.5	7.66	3.72	19000	24000	NR35	39.7	1.12	33.17	1.35	2.06	0.40	19.00	31.0	41	1.5	3.18	0.6
6302N	NR	-ZN	-ZNR	15	42	13	1.0	0.5	11.40	5.40	17000	20000	NR42	46.3	1.12	39.75	1.35	2.06	0.40	20.00	37.0	47	1.5	3.18	1.0
61903N	NR	-ZN	-ZNR	17	30	7	0.3	0.3	4.60	2.55	22000	28000	NR1030	32.8	0.85	28.70	0.95	1.30	0.25	19.00	28.0	34	1.2	2.15	0.3
6003N	NR	-ZN	-ZNR	17	35	10	0.3	0.3	6.50	3.36	19000	24000	NR35	39.7	1.12	33.17	1.35	2.06	0.40	19.00	33.0	41	1.5	3.18	0.3
6203N	NR	-ZN	-ZNR	17	40	12	0.6	0.5	10.30	1.79	17000	20000	NR40	44.6	1.12	38.10	1.35	2.06	0.40	21.00	35.0	46	1.5	3.18	0.6
6303N	NR	-ZN	-ZNR	17	47	14	1.0	0.5	13.50	6.55	16000	19000	NR47	53.7	1.12	44.60	1.35	2.40	0.40	22.00	42.0	54	1.5	3.58	1.0
6403N	NR	-ZN	-ZNR	17	62	17	1.1	0.5	22.90	10.80	12000	15000	NR62	67.7	1.70	55.61	1.90	32.80	0.60	23.50	55.5	69	2.2	4.98	1.0
61804N	NR	-ZN	-ZNR	20	32	7	0.3	0.3	3.48	2.23	19000	24000	NR1032	34.8	0.85	30.70	0.95	1.30	0.25	22.00	30.0	36	1.2	2.15	0.3
61904N	NR	-ZN	-ZNR	20	37	9	0.3	0.3	6.38	3.65	18000	22000	NR1037	39.8	0.85	35.70	0.95	1.70	0.25	22.00	35.0	41	1.2	2.55	3.0
6004N	NR	-ZN	-ZNR	20	42	12	0.6	0.5	9.40	5.03	17000	20000	NR42	46.3	1.12	38.75	1.35	2.06	0.40	24.00	38.0	48	1.5	3.18	0.6
6204N	NR	-ZN	-ZNR	20	47	14	1.0	0.5	12.90	6.65	15000	18000	NR47	52.7	1.12	44.60	1.35	2.46	0.40	25.00	42.0	54	1.5	3.58	1.0
6304N	NR	-ZN	-ZNR	20	52	15	1.1	0.5	16.00	7.88	13000	16000	NR52	57.9	1.12	49.73	1.35	2.46	0.40	26.50	45.5	59	1.5	3.58	1.0
6404N	NR	-ZN	-ZNR	20	72	19	1.1	0.5	31.10	15.20	10000	13000	NR72	78.6	1.70	68.360	1.90	3.28	0.60	26.50	65.5	80	2.2	4.98	1.0
61807N	NR	-ZN	-ZNR	35	47	7	0.3	0.5	1.59	3.60	13000	16000	NR1047	49.8	0.85	45.70	0.95	1.30	0.25	37.00	45.0	51	1.2	2.15	1.3
61907N	NR	-ZN	-ZNR	35	55	10	0.6	0.5	9.54	6.83	11000	14000	NR1055	57.8	0.80	53.70	0.95	1.70	0.25	39.00	51.0	59	1.2	2.55	0.6
6007N	NR	-ZN	-ZNR	35	62	14	1.0	0.5	16.00	10.30	10000	13000	NR62	67.7	1.70	59.61	1.90	2.08	0.60	40.00	57.0	69	2.2	3.76	1.0
6207N	NR	-ZN	-ZNR	35	72	17	1.1	0.5	25.60	15.30	9000	11000	NR72	78.6	1.70	68.81	1.90	3.28	0.60	41.50	65.5	80	2.2	4.98	1.0
6307N	NR	-ZN	-ZNR	35	80	21	1.5	0.5	33.40	19.20	8500	10000	NR80	86.6	1.70	86.81	1.90	3.28	0.60	43.00	72.0	88	2.2	4.98	1.5
6407N	NR	-ZN	-ZNR	35	100	25	1.5	0.5	55.30	31.00	7000	8500	NR100	106.5	2.46	96.80	2.70	3.28	0.60	43.00	92.0	108	3.0	5.74	1.5
61808N	NR	-ZN	-ZNR	40	52	7	0.3	0.3	4.52	4.10	11000	14000	NR1052	54.8	0.85	50.70	0.95	1.30	0.25	42.00	50.0	56	1.2	2.15	0.3

## HRB Bearings Catalogue - Deep Groove Ball Bearings - N, NR, -ZN, -ZNR

61908N	NR	-ZN	-ZNR	40	62	12	0.6	0.5	12.20	8.90	10000	13000	NR1062	64.8	0.85	60.70	0.95	1.70	0.25	44.00	58.0	66	1.2	2.55	0.6
6008N	NR	-ZN	-ZNR	40	68	15	1.0	0.5	16.80	11.60	9500	12000	NR68	74.6	1.70	64.82	1.90	2.49	0.60	45.00	63.0	76	2.2	4.19	1.0
6208N	NR	-ZN	-ZNR	40	80	18	1.1	0.5	27.60	17.40	8500	10000	NR80	86.6	1.70	76.81	1.90	3.28	0.60	46.50	73.5	88	2.2	4.98	1.0
6308N	NR	-ZN	-ZNR	40	90	23	1.0	0.5	40.80	24.00	7500	9000	NR90	96.5	2.46	86.79	2.70	3.28	0.60	48.00	82.0	98	3.0	5.74	1.5
6408N	NR	-ZN	-ZNR	40	110	27	2.0	0.5	63.80	36.60	6700	8000	NR110	116.6	2.46	106.81	2.70	3.28	0.60	19.00	101.0	118	3.0	5.74	2.0
61809N	NR	-ZN	-ZNR	45	58	7	0.3	0.3	4.73	4.50	9500	12000	NR1058	60.8	0.85	56.70	0.95	1.30	0.25	47.00	56.0	62	1.2	2.15	0.3
61909N	NR	-ZN	-ZNR	45	68	12	0.6	0.5	16.60	11.70	8500	10000	NR1072	74.8	0.85	66.70	0.95	1.70	0.25	54.00	68.0	76	1.2	2.55	0.6
6009N	NR	-ZN	-ZNR	45	75	16	1.0	0.5	19.90	14.00	9000	11000	NR75	81.6	1.70	71.83	1.90	2.49	0.60	50.00	70.0	83	2.2	4.19	1.0
6209N	NR	-ZN	-ZNR	45	85	19	1.1	0.5	31.20	20.40	7500	9000	NR85	91.6	1.70	81.81	1.90	3.28	0.60	51.50	78.5	93	2.2	4.98	1.0
6309N	NR	-ZN	-ZNR	45	100	25	1.5	0.5	48.90	29.30	6700	6700	NR100	106.5	2.46	96.80	2.70	3.28	0.60	53.00	92.0	108	3.0	5.74	1.5
6409N	NR	-ZN	-ZNR	45	120	29	2.0	0.5	72.90	42.60	6000	6000	NR120	129.7	2.82	115.21	3.10	4.06	0.60	54.00	111.0	131	3.5	6.88	2.0
61810N	NR	-ZN	-ZNR	50	65	7	0.3	0.3	4.93	4.94	9000	11000	NR1065	67.8	0.85	63.70	0.95	1.30	0.25	52.00	63.0	69	1.2	2.15	0.3
61910N	NR	-ZN	-ZNR	50	72	12	1.6	0.5	14.60	11.70	8500	10000	NR1072	74.8	0.85	70.70	0.95	1.70	0.25	54.00	68.0	76	1.2	2.55	0.6
6010N	NR	-ZN	-ZNR	50	80	16	1.0	0.5	20.70	15.40	8500	10000	NR80	86.6	1.70	76.81	1.90	2.45	0.60	55.00	75.0	88	2.2	4.19	1.0
6210N	NR	-ZN	-ZNR	50	10	20	1.1	0.5	35.10	23.20	7000	8500	NR90	96.5	2.46	96.79	2.70	3.28	0.60	56.50	83.5	98	3.0	5.74	1.0
6310N	NR	-ZN	-ZNR	50	110	27	2.0	0.5	57.60	35.30	6300	7500	NR110	116.6	2.46	106.81	2.70	3.28	0.60	59.00	101.0	118	3.0	5.74	2.0
6410N	NR	-ZN	-ZNR	50	130	31	2.1	0.5	83.30	49.30	5300	6300	NR130	139.7	2.82	125.22	3.10	4.06	0.60	61.00	119.0	141	3.5	6.88	2.0
61811N	NR	-ZN	-ZNR	55	72	9	0.3	0.3	9.07	8.45	8500	10000	NR1072	74.8	0.85	70.70	0.95	1.70	0.25	57.00	70.0	76	1.2	2.55	0.3
61911N	NR	-ZN	-ZNR	55	80	13	1.0	0.5	18.90	15.10	8000	9500	NR1080	84.4	1.12	77.0	1.30	2.10	0.40	60.00	75.0	86	1.6	3.22	1.0
6011N	NR	-ZN	-ZNR	55	90	18	1.31	0.5	6.70	20.10	7500	9000	NR90	96.5	2.46	86.48	2.70	2.87	0.60	61.50	83.5	98	3.0	5.33	1.0
6211N	NR	-ZN	-ZNR	55	100	21	1.5	0.5	43.40	29.20	6300	7500	NR100	106.5	2.46	96.80	2.70	3.28	0.60	63.00	92.0		3.0	5.74	1.5
6311N	NR	-ZN	-ZNR	55	120	29	2.0	0.5	71.60	44.80	5600	6700	NR120	129.7	2.82	115.21	3.10	4.06	0.60	64.00	111.0	131	3.5	6.88	2.0
6411N	NR	-ZN	-ZNR	55	140	33	2.1	0.5	101.00	62.30	5000	6000	NR140	149.7	2.82	135.23	3.10	4.90	0.60	71.00	139.0	162	3.5	7.72	2.0
61812N	NR	-ZN	-ZNR	60	78	10	0.3	0.3	10.30	9.91	7500	9000	NR1078	89.4	1.12	82.91	1.30	1.70	0.40	62.00	76.0	84	1.5	2.82	0.3
61912N	NR	-ZN	-ZNR	60	85	13	1.0	0.5	19.40	16.20	7500	9000	NR1085	89.4	1.12	82.90	1.30	2.10	0.40	65.00	80.0	91	1.5	3.22	1.0
6012N	NR	-ZN	-ZNR	60	95	18	1.1	0.5	30.25	23.00	6700	8000	NR95	101.6	2.46	91.82	2.70	2.87	0.60	66.50	88.5	103	3.0	5.33	1.0
6212N	NR	-ZN	-ZNR	60	110	22	1.5	0.5	47.80	32.90	6000	7000	NR110	116.6	2.46	106.81	2.70	3.28	0.60	68.00	102.0	118	3.0	5.74	1.5
6312N	NR	-ZN	-ZNR	60	130	31	2.1	0.5	91.90	51.80	5000	6000	NR130	139.7	2.82	125.22	3.10	1.06	0.60	71.00	119.0	141	3.5	6.88	2.0
6412N	NR	-ZN	-ZNR	60	150	35	2.1	0.5	109.00	70.10	4800	5600	NR150	159.7	2.82	145.24	3.10	1.90	0.60	71.00	139.0	162	3.5	7.72	2.0
61813N	NR	-ZN	-ZNR	65	85	10	0.6	0.5	10.80	10.70	7000	8500	NR1085	89.4	1.12	82.91	1.30	1.70	0.40	69.00	81.0	91	1.5	2.82	0.6
61913N	NR	-ZN	-ZNR	65	90	13	1.0	0.5	19.90	17.50	6700	8000	NR1090	94.4	1.12	87.90	1.30	2.10	0.40	70.00	85.0	96	1.5	3.22	1.0
6013N	NR	-ZN	-ZNR	65	100	18	1.1	0.5	31.90	24.90	6300	7500	NR100	106.5	2.46	96.80	2.70	2.87	0.60	71.50	93.5	108	3.0	5.33	1.0
6213N	NR	-ZN	-ZNR	65	120	23	1.5	0.5	20.70	37.10	5300	6300	NR120	129.7	2.82	115.21	2.10	4.06	0.60	73.00	112.0	131	2.5	6.88	1.5
6313N	NR	-ZN	-ZNR	65	140	33	2.1	0.5	92.80	59.70	4800	5600	NR140	149.7	2.82	135.33	3.10	4.90	0.60	76.00	129.0	151	3.5	7.72	2.0
6413N	NR	-ZN	-ZNR	65	160	37	2.1	0.5	118.00	78.60	4500	5300	NR160	169.7	2.82	155.22	3.10	4.39	0.60	76.00	149.0	172	3.5	7.72	2.0



**HRB Bearings Catalogue - Deep Groove Ball Bearings - N, NR, -ZN, -ZNR**

61820N	NR	-ZN	-ZNR	100	125	13	1.0	0.5	16.90	19.10	4800	5600	NR10125	130.7	1.12	122.60	1.30	2.10	0.40	105.00	120.0	132	1.5	3.22	1.0
61920N	NR	-ZN	-ZNR	100	140	20	1.1	0.5	43.90	42.00	4500	5300	NR10140	145.7	1.70	137.60	1.90	3.30	0.60	106.50	133.5	147	2.2	5.00	1.0
6020N	NR	-ZN	-ZNR	100	150	24	1.5	0.5	63.70	50.40	4300	5000	NR150	159.7	2.82	145.24	3.10	3.71	0.60	108.00	142.0	162	3.5	6.53	1.5
6220N	NR	-ZN	-ZNR	100	180	34	2.1	0.5	122.00	92.70	3400	4000	NR180	192.9	3.10	173.66	3.50	5.69	0.60	111.00	169.0	195	4.0	8.79	2.0
61821N	NR	-ZN	-ZNR	105	130	13	1.0	0.5	17.40	20.40	4500	5300	NR10130	135.7	1.12	127.60	1.30	2.10	0.40	110.00	125.0	137	1.5	3.22	1.0
61921N	NR	-ZN	-ZNR	105	145	20	1.1	0.5	46.30	44.80	4300	5000	NR10145	150.7	1.70	142.60	1.90	3.30	0.60	111.50	138.5	152	2.2	5.00	1.0
6021N	NR	-ZN	-ZNR	105	160	26	2.0	0.5	69.80	61.20	4000	4800	NR160	169.7	2.82	155.22	3.10	3.71	0.60	114.00	151.0	172	3.5	6.53	2.0
6221N	NR	-ZN	-ZNR	105	190	36	2.1	0.5	133.00	104.00	3200	3800	NR190	202.9	3.10	183.64	3.50	5.69	0.60	116.00	179.0	205	4.0	8.79	2.0
61822N	NR	-ZN	-ZNR	110	140	16	1.0	0.5	24.30	27.20	4300	5000	NR10140	145.7	1.70	137.60	1.90	2.50	0.60	115.00	135.0	147	2.0	4.20	1.0
61922N	NR	-ZN	-ZNR	110	150	20	1.1	0.5	47.80	47.70	4000	4800	NR10150	155.7	1.70	147.60	1.90	3.30	0.60	116.50	143.5	157	2.2	5.00	1.0
6022N	NR	-ZN	-ZNR	110	170	28	2.0	0.5	75.10	67.30	3800	4500	NR170	182.9	3.10	163.65	3.50	3.71	0.60	119.00	161.0	185	4.0	6.81	2.0
6222N	NR	-ZN	-ZNR	110	200	38	2.1	0.5	144.00	117.00	3000	3600	NR200	212.9	3.10	193.65	3.50	5.69	0.60	121.00	189.0	215	4.0	8.79	2.0
61824N	NR	-ZN	-ZNR	120	150	16	1.0	0.5	25.00	26.00	3800	4500	NR10150	155.7	1.70	147.60	1.90	2.50	0.60	125.00	145.0	157	2.2	4.20	1.0
61924N	NR	-ZN	-ZNR	120	165	22	1.1	0.5	57.20	26.90	3600	4300	NR10165	171.5	1.70	161.80	1.90	3.70	0.60	126.50	158.5	173	2.2	5.40	1.5
6024N	NR	-ZN	-ZNR	120	180	28	2.0	0.5	88.30	79.70	3400	4000	NR10180	192.9	3.10	173.66	3.50	3.71	0.60	129.00	171.2	195	4.0	6.81	2.0
61826N	NR	-ZN	-ZNR	130	165	18	1.1	0.5	32.50	34.00	2600	4300	NR10165	171.5	1.70	161.80	1.90	3.30	0.60	136.50	158.5	173	2.2	5.00	1.0
61926N	NR	-ZN	-ZNR	130	180	24	1.5	0.5	69.40	70.00	3400	4000	NR10180	186.5	1.70	176.80	1.90	3.70	0.60	138.00	172.0	188	2.2	5.40	1.5
6026N	NR	-ZN	-ZNR	130	200	33	2.0	0.5	102.00	93.90	3200	3800	NR200	212.9	3.10	193.65	3.50	5.39	0.60	139.00	191.0	215	4.0	8.79	1.0
61828N	NR	-ZN	-ZNR	140	175	18	1.1	0.5	34.00	36.50	3400	4000	NR10175	181.5	1.70	171.80	1.90	3.30	0.60	146.50	168.5	183	2.2	5.00	1.0
61928N	NR	-ZN	-ZNR	140	190	24	1.0	0.5	71.20	74.60	3200	3800	NR10190	196.5	1.70	186.80	1.90	3.70	0.60	148.00	182.0	198	2.2	5.40	1.5
61830N	NR	-ZN	-ZNR	150	190	20	1.1	0.5	42.50	44.00	3000	3600	NR10190	196.5	1.70	186.80	1.90	3.30	1.60	156.50	183.5	198	2.2	5.00	0.6
61832N	NR	-ZN	-ZNR	160	200	20	1.1	0.5	44.00	48.00	2800	3400	NR10200	206.5	1.90	196.80	1.70	3.30	0.60	166.50	193.5	108	2.2	5.00	0.6

## HRB Bearings Catalogue - Deep Groove Ball Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
4200ATN	10	30	14	0.6	9.23	5.2	18000	22000	14	26	0.6	0.049
4201ATN	12	32	14	0.6	10.6	6.2	17000	2000	16	28	0.6	0.053
4301ATN	12	37	17	1	13	7.8	15000	18000	17	32	1	0.092
4202ATN	15	35	14	0.6	11.9	7.5	14000	17000	19	31	0.6	0.059
4302ATN	15	42	17	1	14.8	9.5	12000	15000	20	37	1	0.12
4203ATN	17	40	16	0.6	14.8	9.5	12000	15000	21	36	0.6	0.09
4303ATN	17	47	19	1	19.5	13.2	10000	13000	22	42	1	0.16
4204ATN	20	47	18	1	17.8	12.5	10000	13000	25	42	1	0.14
4304ATN	20	52	21	1.1	23.4	16	9500	12000	26.5	45.5	1	0.21
4205ATN	25	52	18	1	19	14.6	9000	11000	30	47	1	0.16
4305ATN	25	62	24	1.1	31.9	22.4	8500	10000	31.5	55.5	1	0.34
4206ATN	30	62	20	1	26	20.8	8000	9500	35	57	1	0.26
4306ATN	30	72	27	1.1	41	30	7000	8500	36.5	65.5	1	0.5
4207ATN	35	72	23	1.1	35.1	28.5	6700	8000	41.5	65.5	1	0.4
4307ATN	35	80	31	1.5	50.7	38	6300	7500	43	72	1.5	0.69
4208ATN	40	80	23	1.1	37.1	32.5	6000	7000	46.5	73.5	1	0.5
4308ATN	40	90	31	1.5	55.9	38	5600	6700	48	82	1.5	0.95
4209ATN	45	85	23	1.1	39	36	5600	6700	51.5	78.5	1	0.54
4309ATN	45	100	36	1.5	68.9	56	5000	6000	53	92	1.5	1.25
4210ATN	50	90	23	1.1	41	40	5000	6000	56.5	83.5	1	0.58
4310ATN	50	110	40	2	81.9	69.5	4500	5300	59	101	2	1.7



## HRB Bearings Catalogue - Deep Groove Ball Bearings - Double Row Type

Bearing numbers	Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	B	r <sub>min</sub>	Cr	Cor	Grease	Oil	da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
4211ATN	55	100	25	1.5	44.9	44	4800	5600	63	92	1.5	0.8
4311ATN	55	120	43	2	97.5	83	4300	5000	64	111	2	2.15
4213ATN	60	110	28	1.5	57.2	55	4500	5300	68	102	1.5	1.1
4312ATN	60	130	46	2.1	112	968	3800	4500	71	119	2	2.65
4214ATN	65	120	31	1.5	67.6	67	4000	4800	73	112	1.5	1.45
4314ATN	65	140	48	2.1	121	106	3600	4300	76	129	2	3.25
4215ATN	70	125	31	1.5	70.2	73.5	3600	4300	78	117	1.5	1.5
4315ATN	70	150	51	2.1	138	125	3200	3800	81	139	2	3.95
4216ATN	80	140	33	2	80.6	90	3200	3800	89	131	2	2
4217ATN	85	150	36	2	93.6	102	3000	3600	94	141	2	2.55
4218ATN	90	160	41	2	112	122	2800	3400	99	151	2	3.2
4220ATN	100	180	46	2.1	140	156	2400	3000	111	169	2	4.7

**HRB Bearings Catalogue - Deep Groove Ball Bearings - Expansion Compensation Type**

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Liniting speeds (r/min)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease	Oil	-RS1, -2RS1				
	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z,-2Z,-RZ,-2RZ	-Z, -RZ		da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
EC-6000	-2Z	-2RZ	-2RS1	10	26	8	0.3	4.59	1.97	29000	34000	21000	12	24	0.3	0.019
EC-6200	-2Z	-2RZ	-2RS1	10	30	9	0.6	2.1	2.39	25000	30000	18000	14	26	0.6	0.031
EC-6300	-2Z	-2RZ	-2RS1	10	35	11	0.6	7.66	3.47	23000	27000	16000	14	31	0.6	0.051
EC-6001	-2Z	-2RZ	-2RS1	12	28	8	0.3	5.1	2.39	26000	30000	18000	14	26	0.3	0.021
EC-6201	-2Z	-2RZ	-2RS1	12	32	10	0.6	6.76	3.05	22000	26000	16000	16	28	0.6	0.036
EC-6301	-2Z	-2RZ	-2RS1	12	37	12	1	8.58	3.92	20000	24000	15000	17	32	1	0.058
EC-6002	-2Z	-2RZ	-2RS1	15	32	9	0.3	5.62	2.84	22000	26000	15000	17	30	0.3	0.029
EC-6202	-2Z	-2RZ	-2RS1	15	35	11	0.6	7.66	3.72	19000	23000	15000	19	31	0.6	0.043
EC-6302	-2Z	-2RZ	-2RS1	15	42	13	1	11.4	5.4	17000	21000	12000	20	37	1	0.079
EC-6003	-2Z	-2RZ	-2RS1	17	35	10	0.3	6.5	3.36	20000	24000	14000	19	33	0.3	0.037
EC-6203	-2Z	-2RZ	-2RS1	17	40	12	0.6	10.3	4.79	18000	21000	12000	21	36	0.6	0.062
EC-6303	-2Z	-2RZ	-2RS1	17	47	14	1	13.5	6.55	16000	19000	11000	22	42	1	0.11
EC-6004	-2Z	-2RZ	-2RS1	20	42	12	0.6	9.44	5.03	18000	21000	11000	24	38	0.6	0.066
EC-6204	-2Z	-2RZ	-2RS1	20	47	14	1	12.9	6.65	16000	18000	10000	25	42	1	0.101
EC-6304	-2Z	-2RZ	-2RS1	20	52	15	1.1	16	7.88	14000	17000	10000	26.5	45.5	1	0.139
EC-6005	-2Z	-2RZ	-2RS1	25	47	12	0.6	10.1	5.85	15000	18000	9400	29	43	0.6	0.075
EC-6205	-2Z	-2RZ	-2RS1	25	52	15	1	14	7.87	13000	15000	8900	30	47	1	0.122
EC-6305	-2Z	-2RZ	-2RS1	25	62	17	1.1	22.5	11.6	12000	14000	8100	31.5	55.5	1	0.223
EC-6006	-2Z	-2RZ	-2RS1	30	55	13	1	13.3	8.36	13000	15000	7700	35	50	1	0.11
EC-6206	-2Z	-2RZ	-2RS1	30	62	16	1	19.5	11.3	11000	13000	7300	35	57	1	0.191
EC-6306	-2Z	-2RZ	-2RS1	30	72	19	1.1	26.7	14.9	10000	12000	6600	36.5	65.5	1	0.334
EC-6007	-2Z	-2RZ	-2RS1	35	62	14	1	16	10.3	12000	14000	6800	40	57	1	0.148
EC-6207	-2Z	-2RZ	-2RS1	35	72	17	1.1	25.6	15.5	9800	11000	6300	41.5	65.5	1	0.227
EC-6307	-2Z	-2RZ	-2RS1	35	80	21	1.5	33.4	19.2	8800	10000	6000	43	72	1.5	0.44

**HRB Bearings Catalogue - Deep Groove Ball Bearings - Expansion Compensation Type**

Bearing number				Boundary dimensions (mm)				Basic load ratings (kN)		Liniting speeds (r/min)			Abutment and fillet dimensions (mm)			weight (kg)
										Grease	Oil	-RS1, -2RS1				
	-2Z	-2RZ	-2RS1	d	D	B	r <sub>min</sub>	Cr	Cor	-Z,-2Z,-RZ,-2RZ	-Z, -RZ		da <sub>min</sub>	Da <sub>max</sub>	ra <sub>max</sub>	
EC-6008	-2Z	-2RZ	-2RS1	40	68	15	1	16.8	11.6	10000	12000	6100	45	63	1	0.183
EC-6208	-2Z	-2RZ	-2RS1	40	80	18	1.1	27.6	17.4	8700	10000	5600	46.5	73.5	1	0.352
EC-6308	-2Z	-2RZ	-2RS1	40	90	23	1.5	40.8	24	7800	9200	5300	48	82	1.5	0.609
EC-6009	-2Z	-2RZ	-2RS1	45	75	16	1	19.9	14	9200	11000	5400	50	70	1	0.233
EC-6209	-2Z	-2RZ	-2RS1	45	85	19	1.1	31.2	20.4	7800	9200	5200	51.5	78.5	1	0.391
EC-6309	-2Z	-2RZ	-2RS1	45	100	25	1.5	48.9	29.3	7000	8200	4700	53	92	1.5	0.8
EC-6010	-2Z	-2RZ	-2RS1	50	80	16	1	20.7	15.4	8400	9800	5000	55	75	1	0.246
EC-6210	-2Z	-2RZ	-2RS1	50	90	20	1.1	35.1	23.2	7100	8300	4700	56.5	83.5	1	0.444
EC-6310	-2Z	-2RZ	-2RS1	50	110	27	2	57.5	35.3	6400	7500	4200	59	101	2	1.03