

# NBK BEARING PRODUCT CATALOGS



**CHUANG HON YI BEARING CO., LTD**

# DEEP GROOVE BALL BEARINGS

## METRIC SERIES

Boundary Dimensions (mm)					Bearing Number	Basic Load Rating (N)		Limiting Speed (rpm)		Weight (g)
Inner Diameter	Outer Diameter	Width		Chamfer		Dynamic	Static	Grease	Oil	
d	D	B	B1	r (min)		Cr	Cor	(Non-contact)	(Non-contact)	(reference)
3	8	3	4	0.15	<b>693</b>	553	175	52000	61000	0.79
	9	3	5	0.15	<b>603</b>	645	229	48000	57000	1.40
	10	4	4	0.15	<b>623</b>	645	229	48000	56000	1.57
4	8	2	3	0.08	<b>MR84</b>	396	141	50000	59000	0.56
	9	2.5	4	0.1	<b>684</b>	539	187	47000	55000	1.06
	10	3	4	0.15	<b>MR104</b>	498	198	44000	53000	1.40
	11	4	4	0.15	<b>694</b>	955	344	43000	50000	1.62
	12	4	4	0.2	<b>604</b>	970	358	41000	49000	2.20
	13	5	5	0.2	<b>624</b>	1150	401	40000	47000	2.98
	16	5	5	0.3	<b>634</b>	1430	557	35000	42000	5.11
5	8	2	2.5	0.08	<b>675</b>	210	90	47000	55000	0.38
	9	2.5	3	0.15	<b>MR95</b>	431	169	44000	53000	0.66
	10	3	4	0.15	<b>MR105</b>	498	198	44000	53000	1.21
	11	3	5	0.15	<b>685</b>	775	317	41000	49000	1.90
	13	4	4	0.2	<b>695</b>	1070	422	38000	45000	2.41
	14	5	5	0.2	<b>605</b>	1080	438	37000	44000	3.63
	16	5	5	0.3	<b>625</b>	1470	599	35000	42000	4.86
	19	6	6	0.3	<b>635</b>	2230	903	32000	38000	8.81
6	10	2.5	3	0.1	<b>676</b>	463	197	41000	49000	0.75
	12	3	4	0.15	<b>MR126</b>	775	327	38000	45000	1.73
	13	3.5	5	0.15	<b>686</b>	1080	438	37000	44000	2.48
	15	5	5	0.2	<b>696</b>	1470	599	35000	42000	3.74
	16	6	6	0.2	<b>MR166</b>	1470	599	34000	40000	5.20
	17	6	6	0.3	<b>606</b>	1960	732	33000	40000	5.67
	19	6	6	0.3	<b>626</b>	2230	903	32000	38000	8.45
	22	7	7	0.3	<b>636</b>	3310	1370	30000	35000	12.59
7	11	2.5	3	0.1	<b>677</b>	455	202	38000	45000	0.70
	13	3	4	0.15	<b>MR137</b>	771	338	36000	43000	1.93
	14	3.5	5	0.15	<b>687</b>	1170	511	35000	42000	2.89
	17	5	5	0.3	<b>697</b>	1600	714	33000	39000	5.04
	19	6	6	0.3	<b>607</b>	2230	903	32000	38000	7.67
	22	7	7	0.3	<b>627</b>	3310	1370	30000	35000	12.24
	26	9	9	0.3	<b>637</b>	3330	1411	28000	31000	25.21

NOTE: ① MEANS WEIGHT OF OPEN BEARINGS

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Inner Diameter	Outer Diameter	Width		Chamfer		Dynamic	Static	Grease	Oil	
d	D	B	B1	r (min)		Cr	Cor	(Non-contact)	(Non-contact)	
8	12	2.5	3.5	0.1	<b>678</b>	449	206	36000	43000	1.07
	14	3.5	4	0.15	<b>MR148</b>	760	350	34000	41000	2.13
	16	4	5	0.2	<b>688</b>	1600	714	33000	39000	3.70
	19	6	6	0.3	<b>698</b>	2240	917	31000	37000	6.23
	22	7	7	0.3	<b>608</b>	3310	1370	30000	35000	11.76
	24	8	8	0.3	<b>628</b>	3330	1410	29000	34000	17.54
	28	9	9	0.3	<b>638</b>	4550	1950	27000	32000	29.00
9	17	4	5	0.2	<b>689</b>	1600	735	31000	37000	4.07
	20	6	6	0.3	<b>699</b>	2480	1080	30000	36000	8.00
	24	7	7	0.3	<b>609</b>	3330	1410	29000	34000	14.21
	26	8	8	0.3	<b>629</b>	4550	1950	28000	33000	19.48
10	15	3	4	0.1	<b>6700</b>	572	305	34000	40000	2.06
	19	5	5	0.3	<b>6800</b>	1590	760	30000	36000	5.12
	19	7	7	0.3	<b>63800</b>	1590	760	30000	36000	7.09
	20	6	6	0.3	<b>MR2010</b>	1590	760	28000	34000	7.52
	22	6	6	0.3	<b>6900</b>	2690	1270	28000	34000	9.45
	26	8	8	0.3	<b>6000</b>	4550	1950	27000	32000	19.00
	26	12	12	0.3	<b>63000</b>	4550	1950	27000	32000	26.46
	30	9	9	0.6	<b>6200</b>	5110	2390	23000	28000	30.64
12	35	11	11	0.6	<b>6300</b>	7640	3470	21000	25000	53.81
	18	4	4	0.2	<b>6701</b>	935	528	30000	36000	3.00
	21	5	5	0.3	<b>6801</b>	1910	1040	27000	33000	5.65
	21	7	7	0.3	<b>63801</b>	1910	1040	27000	33000	8.18
	24	6	6	0.3	<b>6901</b>	2890	1450	25000	30000	10.49
	28	7	7	0.3	<b>16001</b>	5110	2390	24000	28000	19 ①
	28	8	8	0.3	<b>6001</b>	5110	2390	24000	28000	21.23
	28	12	12	0.3	<b>63001</b>	5110	2390	20000	26000	28.80
	32	10	10	0.6	<b>6201</b>	6800	3050	20000	24000	35.16
15	37	12	12	1.0	<b>6301</b>	9750	4230	18000	22000	59.73 ①
	21	4	4	0.2	<b>6702</b>	827	493	27000	32000	3.20
	24	5	5	0.3	<b>6802</b>	2060	1260	24000	29000	7.16
	24	7	7	0.3	<b>63802</b>	2060	1260	24000	29000	9.82
	28	7	7	0.3	<b>6902</b>	4320	2260	22000	26000	15.26

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Boundary Dimensions (mm)					Bearing Number	Basic Load Rating (N)		Limiting Speed (rpm)		Weight (g)
Inner Diameter	Outer Diameter	Width		Chamfer		Dynamic	Static	Grease	Oil	
d	D	B	B1	r (min)		Cr	Cor	(Non-contact)	(Non-contact)	(reference)
15	32	8	8	0.3	<b>16002</b>	5590	2850	20000	24000	26.18
	32	9	9	0.3	<b>6002</b>	5590	2850	20000	24000	28.46
	35	11	11	0.6	<b>6202</b>	7600	3360	17000	21000	43.79
	42	13	13	1.0	<b>6302</b>	11420	5420	15000	19000	81.02
17	23	4	4	0.2	<b>6703</b>	1000	675	24000	29000	4.00
	26	5	5	0.3	<b>6803</b>	2130	1360	22000	26000	7.85
	26	7	7	0.3	<b>63803</b>	2130	1360	22000	26000	9.80
	30	7	7	0.3	<b>6903</b>	4310	2310	20000	24000	16.80
	35	8	8	0.3	<b>16003</b>	6000	3260	18000	22000	32.00
	35	10	10	0.3	<b>6003</b>	6000	3260	18000	22000	37.86
	40	12	12	0.6	<b>6203</b>	9580	4800	16000	19000	64.08
20	47	14	14	1.0	<b>6303</b>	13560	6560	14000	17000	111.19
	27	4	4	0.2	<b>6704</b>	1000	722	21000	26000	4.80
	32	7	7	0.3	<b>6804</b>	3470	2240	19000	23000	18.20
	37	9	9	0.3	<b>6904</b>	6390	3590	17000	21000	36.67
	42	8	8	0.3	<b>16004</b>	8370	4520	16000	19000	47.63 ①
	42	12	12	0.6	<b>6004</b>	9380	5080	16000	19000	67.34
	47	14	14	1.0	<b>6204</b>	12830	6650	14000	16000	102.66
22	52	15	15	1.1	<b>6304</b>	16000	7930	12000	15000	141.75
	44	12	12	0.6	<b>60/22</b>	10470	5730	15000	18000	70.00
	50	14	14	1.0	<b>62/22</b>	12830	6650	12000	15000	115.00
25	56	16	16	1.1	<b>63/22</b>	14020	7930	11000	13000	174.00
	37	7	7	0.3	<b>6805</b>	3660	2640	16000	19000	21.46
	42	9	9	0.3	<b>6905</b>	6650	4190	14000	17000	42.00
	47	8	8	0.3	<b>16005</b>	6940	4600	13000	16000	55 ①
	47	12	12	0.6	<b>6005</b>	10070	5800	13000	16000	78.37
	52	15	15	1.0	<b>6205</b>	14020	7930	11000	13000	127.88
28	62	17	17	1.1	<b>6305</b>	22460	11570	10000	12000	223.89
	52	12	12	0.6	<b>60/28</b>	11210	6690	12000	14000	95.36
	58	16	16	1.0	<b>62/28</b>	16650	9600	10000	12000	169.13
30	68	18	18	1.1	<b>63/28</b>	24890	13750	9000	11000	282.00
	42	7	7	0.3	<b>6806</b>	4020	3120	13000	16000	26.00
	47	9	9	0.3	<b>6906</b>	7200	5050	12000	15000	49.83

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Inner Diameter	Outer Diameter	Width		Chamfer		Dynamic	Static	Grease	Oil	
d	D	B	B1	r (min)		Cr	Cor	(Non-contact)	(Non-contact)	
30	55	9	9	0.3	<b>16006</b>	13240	8250	11000	13000	82.79
	55	13	13	1.0	<b>6006</b>	13240	8250	11000	13000	111.78
	62	16	16	1.0	<b>6206</b>	19470	11430	9000	11000	194.58
	72	19	19	1.1	<b>6306</b>	27010	15200	8000	10000	345.72
32	58	13	13	1.0	<b>60/32</b>	11848	7611	10000	13000	127.00
	65	17	17	1.0	<b>62/32</b>	22400	13100	9000	10000	224.00
	75	20	20	1.1	<b>63/32</b>	23000	12000	8500	10000	380.00
35	47	7	7	0.3	<b>6807</b>	4310	3610	11000	14000	27.00
	55	10	10	0.6	<b>6907</b>	10370	7180	10000	13000	71.65
	62	9	9	0.3	<b>16007</b>	10770	7880	10000	12000	108 ①
	62	14	14	1.0	<b>6007</b>	15950	10320	10000	12000	150.00
	72	17	17	1.1	<b>6207</b>	25700	15220	8800	10000	283.15
	80	21	21	1.5	<b>6307</b>	33360	19220	7800	9000	45.97
40	52	7	7	0.3	<b>6808</b>	4420	3890	10000	12000	31.46
	62	12	12	0.6	<b>6908</b>	11270	8450	9000	11000	113.97
	68	9	9	0.3	<b>16008</b>	11580	9120	9000	11000	123 ①
	68	15	15	1.0	<b>6008</b>	16820	11490	9000	11000	183.50
	80	18	18	1.1	<b>6208</b>	29520	18140	7700	9000	367.82
	90	23	23	1.5	<b>6308</b>	40750	24010	6800	8200	576.00
45	58	7	7	0.3	<b>6809</b>	4590	4320	9000	10000	39.75
	68	12	12	0.6	<b>6909</b>	11580	9120	8800	11000	126.00
	75	10	10	0.6	<b>16009</b>	15600	12200	8200	10000	171 ①
	75	16	16	1.0	<b>6009</b>	19970	13900	8200	10000	231.82
	85	19	19	1.1	<b>6209</b>	31660	20730	6800	8200	395.00
50	65	7	7	0.3	<b>6810</b>	6600	6080	8600	10000	50.00
	72	12	12	0.6	<b>6910</b>	11830	6880	7900	10000	130.00
	80	10	10	0.6	<b>16010</b>	16100	13100	7400	8800	178 ①
	80	16	16	1.0	<b>6010</b>	20670	15460	7400	8800	259.00
	90	20	20	1.1	<b>6210</b>	35060	23220	6100	7300	452.00

NOTE: ① MEANS WEIGHT OF OPEN BEARINGS

# DEEP GROOVE BALL BEARINGS

## 16 SERIES

Boundary Dimensions (in)					Bearing Number	Basic Load Rating (N)		Limiting Speed (rpm)		Weight (g)
Inner Diameter	Outer Diameter	Width		Chamfer		Dynamic	Static	Grease	Oil	
d	D	B	B1	r (min)		Cr	Cor	(Non-contact)	(Non-contact)	(reference)
0.1875	0.6875	0.25	0.3125	0.0118	<b>1601</b>	1960	730	33000	40000	7.00
0.25	0.6875	0.25	0.3125	0.0118	<b>1602</b>	1960	732	33000	34000	8.00
0.3125	0.875	0.2813	0.3437	0.0118	<b>1603</b>	3310	1370	29000	35000	14.00
	0.9063	0.3125	0.3125	0.0118	<b>1605</b>	3310	1370	29000	34000	16.00
0.375	0.875	0.2813	0.3475	0.0118	<b>1604</b>	3330	1410	29000	35000	11.00
	0.9063	0.3125	0.3125	0.0118	<b>1606</b>	3330	1410	29000	34000	15.00
	1.125	0.375	0.375	0.0118	<b>1614</b>	4550	1950	14000	28000	30.00
0.4375	0.9063	0.3125	0.3125	0.0118	<b>1607</b>	2690	1270	29000	34000	13.00
	1.125	0.375	0.375	0.0118	<b>1615</b>	5110	2390	24000	28000	28.00
	1.375	0.4375	0.4375	0.0118	<b>1620</b>	7640	3470	17000	21000	50.00
0.5	1.125	0.375	0.375	0.0118	<b>1616</b>	5110	2390	24000	28000	26.00
	1.375	0.4375	0.4375	0.0118	<b>1621</b>	7640	3470	17000	21000	48.00
0.5625	1.375	0.4375	0.4375	0.0236	<b>1622</b>	7600	3680	17000	21000	46.00
0.625	1.375	0.4375	0.4375	0.0236	<b>1623</b>	7600	3680	17000	21000	41.00
	1.625	0.5	0.5	0.0236	<b>1628</b>	11420	5420	16000	19000	72.00
	1.75	0.5	0.5	0.0118	<b>1633</b>	9580	4800	14000	16000	92.00
0.75	1.625	0.5	0.5	0.0236	<b>1630</b>	9380	5080	16000	19000	69
	1.75	0.5	0.5	0.0236	<b>1635</b>	9380	5080	14000	16000	90
	2	0.5625	0.5625	0.0236	<b>1638</b>	16000	7930	11000	13000	145
0.875	2	0.5625	0.5625	0.0394	<b>1640</b>	16000	7930	11000	13000	136
1	2	0.5625	0.5625	0.0394	<b>1647</b>	14020	7930	11000	13000	121
1.125	2.5	0.625	0.625	0.0433	<b>1652</b>	19470	11430	9000	10000	211
1.25	2.5	0.625	0.625	0.0433	<b>1654</b>	19470	11430	9000	10000	193
	2.5625	0.6875	0.6875	0.0433	<b>1657</b>	15950	10320	9000	10000	232
1.3125	2.5625	0.6875	0.6875	0.0433	<b>1658</b>	15950	10320	9000	10000	210

# DEEP GROOVE BALL BEARINGS

## R SERIES

Boundary Dimensions (in)					Bearing Number	Basic Load Rating (N)		Limiting Speed (rpm)		Weight (g) (reference)
Inner Diameter	Outer Diameter	Width		Chamfer		Dynamic	Static	Grease	Oil	
d	D	B	B1	r (min)		Cr	Cor	(Non-contact)	(Non-contact)	
0.125	0.3125	0.1094	0.1406	0.0031	<b>R2-5</b>	452	156	52000	61000	0.77
	0.375	0.1562	0.1562	0.0059	<b>R2</b>	645	229	47000	56000	1.33
	0.5	0.1719	0.1719	0.0059	<b>R2A</b>	775	317	41000	49000	3.12
0.1875	0.3125	0.1094	0.125	0.0031	<b>R156</b>	210	90	47000	56000	0.42 ①
	0.375	0.125	0.125	0.0031	<b>R166</b>	467	191	44000	53000	0.90
	0.5	0.1562	0.196	0.0079	<b>R3</b>	1070	432	39000	46000	2.89
0.25	0.375	0.125	0.125	0.0031	<b>R168</b>	508	94	41000	49000	0.58 ①
	0.5	0.125	0.1875	0.0059	<b>R188</b>	716	291	37000	44000	2.35
	0.625	0.196	0.196	0.0118	<b>R4</b>	1460	599	34000	41000	4.20
	0.75	0.2188	0.2812	0.0118	<b>R4A</b>	2800	1050	32000	38000	8.79
0.375	0.875	0.2188	0.2812	0.0118	<b>R6</b>	3330	1410	29000	35000	10.76
0.5	1.125	0.25	0.3125	0.0118	<b>R8</b>	5110	2390	24000	28000	21.30
0.625	1.375	0.2813	0.3437	0.0118	<b>R10</b>	6000	3260	18000	22000	36.19
0.75	1.625	0.3125	0.4375	0.0236	<b>R12</b>	9380	5080	16000	19000	61.88
0.875	1.875	0.375	0.5	0.0236	<b>R14</b>	10070	5800	13000	16000	97.00
1	2	0.375	0.5	0.0236	<b>R16</b>	10070	5800	11000	13000	109.44

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