

FYH®

Deep Groove Ball Bearings



Dimensions				Basic Load Ratings(kN)		Limiting Speed (min ⁻¹)	
Bearing No.	Inner Dia. (mm)	Outer Dia. (mm)	Width (mm)	Cr	Cor	Grease Lub	Oil Lub
6000	10	26	8	4.55	1.95	29000	34000
6001	12	28	8	5.10	2.39	26000	30000
6002	15	32	9	5.60	2.84	22000	26000
6003	17	35	10	6.80	3.35	20000	24000
6004	20	42	12	9.40	5.05	18000	21000
6005	25	47	12	10.10	5.85	15000	18000
6006	30	55	13	13.20	8.30	13000	15000
6007	35	62	14	16.00	10.30	12000	14000
6008	40	68	15	16.80	11.50	10000	12000
6009	45	75	16	21.00	15.10	9200	11000
6010	50	80	16	21.80	16.60	8400	9800
6011	55	90	18	28.30	21.20	7700	9000
6012	60	95	18	29.50	23.20	7000	8300
6013	65	100	18	30.50	25.20	6500	7700
6014	70	110	20	38.00	31.00	6100	7100
6015	75	115	20	39.50	33.50	5700	6700
6016	80	125	22	47.50	40.00	5300	6200
6017	85	130	22	49.50	43.00	5000	5900
6018	90	140	24	58.00	49.50	4700	5600
6200	10	30	9	5.10	2.39	25000	30000
6201	12	32	10	6.10	2.75	22000	26000
6202	15	35	11	7.75	3.60	19000	23000
6203	17	40	12	9.60	4.60	18000	21000
6204	20	47	14	12.80	6.65	16000	18000
6205	25	52	15	14.00	7.85	13000	15000
6206	30	62	16	19.50	11.30	11000	13000
6207	35	72	17	25.70	15.30	9800	11000
6208	40	80	18	29.10	17.80	8700	10000
6209	45	85	19	32.50	20.40	7800	9200
6210	50	90	20	35.00	23.20	7100	8300
6211	55	100	21	43.50	29.20	6400	7600
6212	60	110	22	52.50	36.00	6000	7000
6213	65	120	23	57.50	40.00	5500	6500
6214	70	125	24	62.00	44.00	5100	6000
6215	75	130	25	66.00	49.50	4800	5600
6216	80	140	26	72.50	53.00	4500	5300
6217	85	150	28	83.50	64.00	4200	5000
6218	90	160	30	96.00	71.50	4000	4700

Dimensions				Basic Load Ratings(kN)		Limiting Speed (min ⁻¹)	
Bearing No.	Inner Dia. (mm)	Outer Dia. (mm)	Width (mm)	Cr	Cor	Grease Lub	Oil Lub
6300	10	35	11	8.20	3.50	23000	27000
6301	12	37	12	9.70	4.20	20000	24000
6302	15	42	13	11.40	5.45	17000	21000
6303	17	47	14	13.50	6.55	16000	19000
6304	20	52	15	15.90	7.90	14000	17000
6305	25	62	17	21.20	10.90	12000	14000
6306	30	72	19	26.70	15.00	10000	12000
6307	35	80	21	33.50	19.10	8800	10000
6308	40	90	23	40.50	24.00	7800	9200
6309	45	100	25	53.00	32.00	7000	8200
6310	50	110	27	62.00	38.50	6400	7500
6311	55	120	29	71.50	45.00	5800	6800
6312	60	130	31	82.00	52.00	5400	6300
6313	65	140	33	92.50	60.00	4900	5800
6314	70	150	35	104.00	68.00	4600	5400
6315	75	160	37	113.00	77.00	4300	5000
6316	80	170	39	123.00	86.50	4000	4700
6800	10	19	5	1.80	0.93	28000	36000
6801	12	21	5	1.90	1.00	24000	32000
6802	15	24	5	2.10	1.30	22000	30000
6803	17	26	5	2.20	1.50	20000	28000
6804	20	32	7	3.50	2.20	18000	24000
6805	25	37	7	4.30	2.90	16000	20000
6806	30	42	7	4.70	3.60	13000	17000
6807	35	47	7	4.90	4.00	11000	15000
6808	40	52	7	5.10	4.40	10000	13000
6809	45	58	7	6.40	5.60	9000	12000
6810	50	65	7	6.60	6.10	8500	10000
6900	10	22	6	2.70	1.30	25000	32000
6901	12	24	6	2.90	1.50	22000	28000
6902	15	28	7	4.30	2.30	20000	26000
6903	17	30	7	4.60	2.60	19000	24000
6904	20	37	9	6.40	3.70	17000	22000
6905	25	42	9	7.00	4.50	14000	18000
6906	30	47	9	7.20	5.00	12000	16000
6907	35	55	10	9.50	6.80	10000	13000
6908	40	62	12	13.70	9.90	9500	12000
6909	45	68	12	14.10	10.90	8500	11000
6910	50	72	12	14.50	11.70	8000	9500

Specifications

- Motor grade
- Premium Grease for High Performances
- Less Noise for Electric Motor



Interchange

- FYH follow ISO/JIS Standards and are dimensionally interchangeable with Competitors DGBB products.

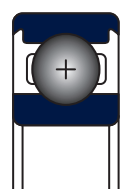


Applications

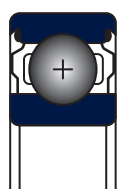
- Motorcycle
- Automotive
- Conveyor system
- Household Appliances
- Agriculture Machinery
- Construction Machinery
- Motor
- Food and Beverage



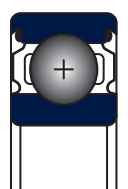
DGBB Product Range



Open



Two shields
ZZ



Two contact
seals 2RS

Range	Series	Bore Range mm	O.D Range mm
Standard	6000 - 6018	10 - 90	26 - 140
	6200 - 6218	10 - 90	30 - 160
	6300 - 6316	10 - 80	35 - 170
Thin Section	6800 - 6810	10 - 50	19 - 65
	6900 - 6910	10 - 50	22 - 72

Nomenclature

Serial Code	Bore Code	Closures & Features	Internal Clearances
• 60..	• 00 - 10mm	• Without suffix - Open	• Blank - Normal Clearances
• 62..	• 01 - 12mm	• ZZ - Two Shields	• CM - Radial internal clearance of electric motor bearings
• 63..	• 02 - 15mm	• 2RS - Two Contact Seals	• C3 - Radial Clearance C3
• 68..	• 03 - 17mm	• NR - Snap ring groove and locating snap ring on outer ring face provided	
• 69..	• 04 - 20mm		
	• 05 up - Bore Code x 5		

Radial Internal clearance of electric motor bearings			
Deep groove ball bearing unit: μm			
Nominal bore diameter d, mm		Clearance	
		CM	
over	up to	min.	max.
10 ¹⁾	18	4	11
18	30	5	12
30	50	9	17
50	80	12	22
80	120	18	30
120	160	24	38

[Note] 1) 10mm is included

Information in this Catalogue is subject to changes without notices due to continual Improvements.

FYH[®]

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