

**1. PREFIX**

- TS2: Heat stabilization for up to 320°F (160°C)
- TS3: Heat stabilization for up to 390°F (200°C)
- TS4: Heat stabilization for up to 480°F (250°C)
- BNT: High speed angular contact ball bearings
- HSB: High speed angular contact ball bearings
- SF: Special single row angular contact ball bearings
- DE & DF: Special double row angular contact ball bearings

**2. TYPE**

- 3: Double row angular contact ball bearings with filling slot
- 5: Double row angular contact ball bearings without filling slot
- 7: Angular contact ball bearings

**3. CONTACT ANGLE**

- No Symbol: Contact Angle 30°
- B: Contact angle 40°
- C: Contact angle 15°

**4. CHAMFER**

- Xn: Special chamfer, from 1 onward (X1, X2 . . .)

**5. CAGE**

- No Symbol: Standard cage
- J: Pressed steel cage
- L1: Machined brass cage
- T1: Phenolic cage
- T2: Plastic cage, nylon or teflon

**6. DUPLEX ARRANGEMENT**

- DB: Duplex pair, back to back mounting
- DF: Duplex pair, face to face mounting
- DT: Duplex pair, tandem mounting
- G: Single bearings, flush ground universal mount for DB, DF and DT arrangement
- GD2: Pair of universally mountable bearings
- +A: Spacer (A is nominal width of spacer in mm)

**7. PRELOAD**

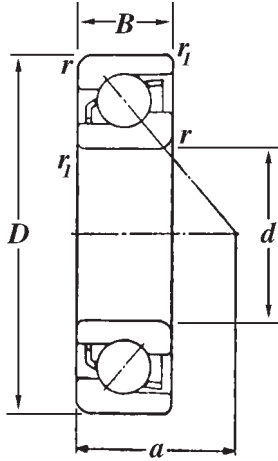
- GL: Light preload
- GN: Normal preload
- GM: Medium preload
- GH: Heavy preload
- Gn: Special preload

**8. TOLERANCE**

- P6: ISO class 6 (equivalent to ABEC 3)
- P5: ISO class 5 (equivalent to ABEC 5)
- P4: ISO class 4 (equivalent to ABEC 7)



Units: INCHES  
Millimeters



40°  
Contact Angle  
72B

### SINGLE ROW ANGULAR CONTACT BALL BEARINGS

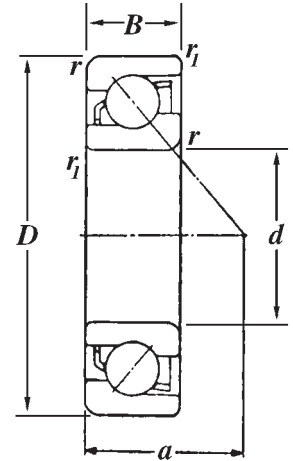
Bearing No.	Bore <i>d</i>	O.D. <i>D</i>	Width <i>B</i>	Fillet Radius		Load Center <i>a</i>	Basic Load Ratings (lbs)		Weight (lbs)
				<i>r</i>	<i>r</i> <sub>1</sub>		Dynamic <i>C</i>	Static <i>C</i> <sub>0</sub>	
7200B	.3937	1.1811	.3543	.039	.020	.51	1,120	565	.064
01B	.4724	1.2598	.3937	.039	.020	.55	1,480	750	.079
02B	.5906	1.3780	.4331	.039	.020	.63	1,880	980	.101
7203B	.6693	1.5748	.4724	.039	.020	.72	2,480	1,370	.146
04B	.7874	1.8504	.5512	.059	.031	.85	2,990	1,730	.225
05B	.9843	2.0472	.5906	.059	.031	.94	3,300	2,120	.284
7206B	1.1811	2.4409	.6299	.059	.031	1.08	4,600	3,050	.434
07B	1.3780	2.8346	.6693	.079	.039	1.22	6,100	4,150	.633
08B	1.5748	3.1496	.7087	.079	.039	1.34	7,200	5,150	.827
7209B	1.7717	3.3465	.7480	.079	.039	1.46	8,100	5,900	.904
10B	1.9685	3.5433	.7874	.079	.039	1.56	8,400	6,450	1.03
11B	2.1654	3.9370	.8268	.098	.047	1.69	10,400	8,100	1.35
7212B	2.3622	4.3307	.8661	.098	.047	1.87	12,600	10,000	1.72
13B	2.5591	4.7244	.9055	.098	.047	1.99	14,300	11,800	2.16
14B	2.7559	4.9213	.9449	.098	.047	2.09	15,500	13,000	2.45
7215B	2.9528	5.1181	.9843	.098	.047	2.20	16,000	14,000	2.62
16B	3.1496	5.5118	1.0236	.118	.059	2.32	18,100	15,600	3.13
17B	3.3465	5.9055	1.1024	.118	.059	2.50	20,200	18,100	4.01
7218B	3.5433	6.2992	1.1811	.118	.059	2.66	24,000	21,100	4.89
19B	3.7402	6.6929	1.2598	.138	.079	2.81	27,200	24,200	6.00
20B	3.9370	7.0866	1.3386	.138	.079	2.99	29,300	25,700	7.19
7221B	4.1339	7.4803	1.4173	.138	.079	3.15	32,000	29,000	8.53
22B	4.3307	7.8740	1.4961	.138	.079	3.31	34,500	32,500	10.0
24B	4.7244	8.4646	1.5748	.138	.079	3.56	37,000	36,500	13.8
7226B	5.1181	9.0551	1.5748	.157	.079	3.76	40,000	40,500	15.8
28B	5.5118	9.8425	1.6535	.157	.079	4.06	41,000	44,000	19.4
30B	5.9055	10.6299	1.7717	.157	.079	4.37	47,000	53,000	24.3
7232B	6.2992	11.4173	1.8898	.157	.079	4.65	53,500	62,500	30.2
34B	6.6929	12.2047	2.0472	.157	.079	5.00	60,000	73,500	37.5
36B	7.0866	12.5984	2.0472	.157	.079	5.16	62,000	78,500	39.0
7238B	7.4803	13.3858	2.1654	.157	.079	5.47	61,500	79,500	47.0
40B	7.8740	14.1732	2.2835	.157	.079	5.75	68,500	91,500	55.8

# SINGLE ROW ANGULAR CONTACT BALL BEARINGS

Units: INCHES  
Millimeters



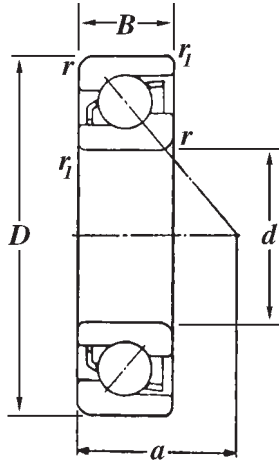
Bearing No.	Bore		Width	Fillet Radius		Load Center	Basic Load Ratings (lbs)		Weight (lbs)
	<i>d</i>	<i>D</i>		<i>r</i>	<i>r<sub>f</sub></i>		<i>a</i>	Dynamic <i>C</i>	
7300B	.3937	1.3780	.4331	.039	.020	.59	2,140	1,040	.090
	10	35	11	1	.5	15			
01B	.4724	1.4567	.4724	.059	.031	.6496	2,370	1,110	.099
	12	37	12	1.5	0.8	16.5			
02B	.5906	1.6535	.5118	.059	.031	.7480	2,810	1,500	.126
	15	42	13	1.5	.8	19			
7303B	.6693	1.8504	.5512	.059	.031	.81	3,350	1,800	.240
	17	47	14	1.5	.8	20.5			
04B	.7874	2.0472	.5906	.079	.039	.89	3,900	2,170	.311
	20	52	15	2	1	22.5			
05B	.9843	2.4409	.6693	.079	.039	1.06	5,500	3,300	.516
	25	62	17	2	1	27			
7306B	1.1811	2.8346	.7480	.079	.039	1.24	6,950	4,600	.776
	30	72	19	2	1	31.5			
07B	1.3780	3.1496	.8268	.098	.047	1.36	8,250	5,450	1.03
	35	80	21	2.5	1.2	34.5			
08B	1.5748	3.5433	.9055	.098	.047	1.54	10,100	6,800	1.40
	40	90	23	2.5	1.2	39			
7309B	1.7717	3.9370	.9843	.098	.047	1.69	13,100	9,050	1.88
	45	100	25	2.5	1.2	43			
10B	1.9685	4.3307	1.0630	.118	.059	1.85	15,300	10,800	2.45
	50	110	27	3	1.5	47			
11B	2.1654	4.7244	1.1417	.118	.059	2.05	17,700	12,800	3.13
	55	120	29	3	1.5	52			
7312B	2.3622	5.1181	1.2205	.138	.079	2.20	20,200	14,800	3.90
	60	130	31	3.5	2	56			
13B	2.5591	5.5118	1.2992	.138	.079	2.34	22,900	17,000	4.72
	65	140	33	3.5	2	59.5			
14B	2.7559	5.9055	1.3780	.138	.079	2.50	25,700	19,300	5.75
	70	150	35	3.5	2	63.5			
7315B	2.9528	6.2992	1.4567	.138	.079	2.68	28,000	21,900	6.90
	75	160	37	3.5	2	68			
16B	3.1496	6.6929	1.5354	.138	.079	2.83	30,500	24,600	8.20
	80	170	39	3.5	2	72			
17B	3.3465	7.0866	1.6142	.157	.079	2.99	32,500	27,400	9.77
	85	180	41	4	2	76			
7318B	3.5433	7.4803	1.6929	.157	.079	3.17	35,000	30,500	11.4
	90	190	43	4	2	80.5			
19B	3.7402	7.8740	1.7717	.157	.079	3.33	37,500	33,500	13.2
	95	200	45	4	2	84.5			
20B	3.9370	8.4646	1.8504	.157	.079	3.52	43,000	40,000	16.1
	100	215	47	4	2	89.5			
7321B	4.1339	8.8583	1.9291	.157	.079	3.68	45,500	43,500	18.4
	105	225	49	4	2	93.5			
22B	4.3307	9.4488	1.9685	.157	.079	3.90	51,000	51,000	21.6
	110	240	50	4	2	99			
24B	4.7244	10.2362	2.1654	.157	.079	4.21	50,500	52,000	32.4
	120	260	55	4	2	107			
7326B	5.1181	11.0236	2.2835	.157	.079	4.53	56,000	60,500	38.8
	130	280	58	4	2	115			
28B	5.5118	11.8110	2.4409	.157	.079	4.84	62,000	69,500	47.4
	140	300	62	4	2	123			
30B	5.9055	12.5984	2.5591	.157	.079	5.16	67,500	79,000	55.3
	150	320	65	4	2	131			
7332B	6.2992	13.3858	2.6772	.157	.079	5.47	71,000	87,000	65.7
	160	340	68	4	2	139			
34B	6.6929	14.1732	2.8346	.157	.079	5.79	80,000	100,000	77.8
	170	360	72	4	2	147			
36B	7.0866	14.9606	2.9528	.157	.079	6.10	84,000	110,000	90.2
	180	380	75	4	2	155			
7338B	7.4803	15.7480	3.0709	.197	.079	6.42	87,500	120,000	104
	190	400	78	5	2	163			
40B	7.8740	16.5354	3.1496	.197	.079	6.69	92,000	125,000	117
	200	420	80	5	2	170			



**40°**  
**Contact Angle**  
**73B**



Units: INCHES  
Millimeters



40°  
Contact Angle  
74B

### SINGLE ROW ANGULAR CONTACT BALL BEARINGS

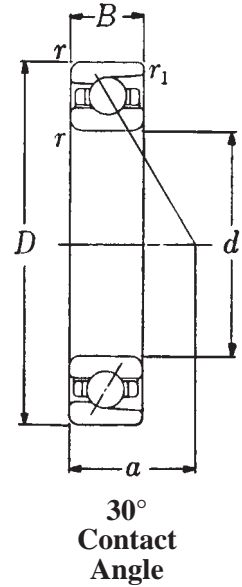
Bearing No.	Bore <i>d</i>	O.D. <i>D</i>	Width <i>B</i>	Fillet Radius		Load Center <i>a</i>	Basic Load Ratings (lbs)		Weight (lbs)
				<i>r</i>	<i>r<sub>1</sub></i>		Dynamic <i>C</i>	Static <i>C<sub>o</sub></i>	
7404B	.7874 20	2.8346 72	.7480 19	.043 1.1	.024 .6	1.14 29	6,850	3,650	1.00
06B	1.1811 30	3.5433 90	.9843 25	.059 1.5	.039 1	1.46 37	9,100	5,450	1.83
07B	1.3780 35	3.9370 100	.9843 25	.059 1.5	.039 1	1.61 41	11,600	7,350	2.45
7408B	1.5748 40	4.3307 110	1.0630 27	.079 2	.039 1	1.77 45	13,600	8,500	3.09
09B	1.7717 45	4.7244 120	1.1417 29	.079 2	.039 1	1.95 49.5	16,800	11,100	3.94
10B	1.9685 50	5.1181 130	1.2205 31	.083 2.1	.043 1.1	2.11 53.5	19,100	12,800	4.87
7411B	2.1654 55	5.5118 140	1.2992 33	.083 2.1	.043 1.1	2.26 57.5	20,300	13,900	6.02
12B	2.3622 60	5.9055 150	1.3780 35	.083 2.1	.043 1.1	2.44 62	22,800	15,900	7.25
13B	2.5591 65	6.2992 160	1.4567 37	.083 2.1	.043 1.1	2.60 66	26,500	19,800	8.77
7414B	2.7559 70	7.0866 180	1.6535 42	.118 3	.043 1.1	2.89 73.5	31,000	24,900	12.7
15B	2.9528 75	7.4803 190	1.7717 45	.118 3	.043 1.1	3.09 78.5	33,500	27,000	15.0
16B	3.1496 80	7.8740 200	1.8898 48	.118 3	.043 1.1	3.27 83	35,500	29,800	17.5
7417B	3.3465 85	8.2677 210	2.0472 52	.157 4	.059 1.5	3.46 88	39,500	33,500	20.4
18B	3.5433 90	8.8583 225	2.1260 54	.157 4	.059 1.5	3.68 93.5	45,000	44,000	24.9

# SINGLE ROW ANGULAR CONTACT BALL BEARINGS

Units: INCHES  
Millimeters

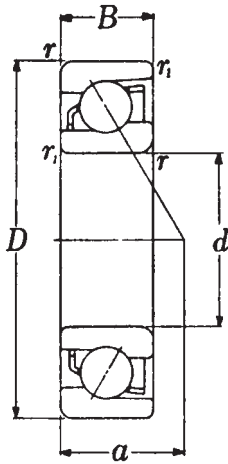


Bearing No.	Bore		O.D.	Width	Fillet Radii		Load Center	Basic Load Ratings (lbs)		Weight (lbs)
	<i>d</i>	<i>D</i>			<i>r</i>	<i>r<sub>1</sub></i>		<i>a</i>	Dynamic <i>C</i>	
7000	.3937	1.0236	.3150	.020	.012	.35	1,040	465	.049	
	10	26	8	.5	.3	9.0				
01	.4724	1.1024	.3150	.020	.012	.39	1,140	555	.053	
	12	28	8	.5	.3	10.0				
02	.5906	1.2598	.3543	.020	.012	.45	1,300	705	.077	
	15	32	9	.5	.3	11.5				
7003	.6693	1.3780	.3937	.020	.012	.49	1,610	860	.099	
	17	35	10	.5	.3	12.5				
04	.7874	1.6535	.4724	.039	.020	.59	2,180	1,260	.174	
	20	42	12	1.0	.5	15.0				
05	.9843	1.8504	.4724	.039	.020	.65	2,420	1,540	.201	
	25	47	12	1.0	.5	16.5				
7006	1.1811	2.1654	.5118	.059	.031	.75	3,100	2,130	.293	
	30	55	13	1.5	.8	19.0				
07	1.3780	2.4409	.5512	.059	.031	.83	3,950	2,830	.403	
	35	62	14	1.5	.8	21.0				
08	1.5748	2.6772	.5906	.059	.031	.91	4,200	3,300	.481	
	40	68	15	1.5	.8	23.0				
7009	1.7717	2.9528	.6299	.059	.031	1.00	5,000	3,950	.613	
	45	75	16	1.5	.8	25.5				
10	1.9685	3.1496	.6299	.059	.031	1.06	5,300	4,500	.677	
	50	80	16	1.5	.8	27.0				
11	2.1654	3.5433	.7087	.079	.039	1.18	7,000	5,900	.924	
	55	90	18	2.0	1.0	30.0				
7012	2.3622	3.7402	.7087	.079	.039	1.24	7,150	6,300	.990	
	60	95	18	2.0	1.0	31.5				
13	2.5591	3.9370	.7087	.079	.039	1.30	7,600	7,050	1.05	
	65	100	18	2.0	1.0	33.0				
14	2.7559	4.3307	.7874	.079	.039	1.42	9,600	8,850	1.58	
	70	110	20	2.0	1.0	36.0				
7015	2.9528	4.5276	.7874	.079	.039	1.48	9,800	9,400	1.67	
	75	115	20	2.0	1.0	37.5				
16	3.1496	4.9213	.8661	.079	.039	1.59	12,000	11,400	2.16	
	80	125	22	2.0	1.0	40.5				
17	3.3465	5.1181	.8661	.079	.039	1.65	12,300	12,000	2.43	
	85	130	22	2.0	1.0	42.0				
7018	3.5433	5.5118	.9449	.098	.047	1.77	14,700	14,200	3.09	
	90	140	24	2.5	1.2	45.0				
19	3.7402	5.7087	.9449	.098	.047	1.83	15,000	15,000	3.26	
	95	145	24	2.5	1.2	46.5				
20	3.9370	5.9055	.9449	.098	.047	1.89	15,400	15,900	3.35	
	100	150	24	2.5	1.2	48.0				
7021	4.1339	6.2992	1.0236	.118	.059	2.03	18,000	18,400	4.21	
	105	160	26	3.0	1.5	51.5				
22	4.3307	6.6929	1.1024	.118	.059	2.15	20,600	20,900	5.29	
	110	170	28	3.0	1.5	54.5				
24	4.7244	7.0866	1.1024	.118	.059	2.26	21,100	22,200	5.73	
	120	180	28	3.0	1.5	57.5				
7026	5.1181	7.8740	1.2992	.118	.059	2.52	26,400	28,200	8.64	
	130	200	33	3.0	1.5	64.0				
28	5.5118	8.2677	1.2992	.118	.059	2.64	26,900	29,800	9.17	
	140	210	33	3.0	1.5	67.0				
30	5.9055	8.8583	1.3780	.138	.079	2.81	31,000	34,500	10.7	
	150	225	35	3.5	2.0	71.5				
7032	6.2992	9.4488	1.4961	.138	.079	3.03	35,000	39,500	13.0	
	160	240	38	3.5	2.0	77.0				
34	6.6929	10.2362	1.6535	.138	.079	3.27	42,000	48,000	17.4	
	170	260	42	3.5	2.0	83.0				
36	7.0866	11.0236	1.8110	.138	.079	3.52	49,000	59,500	22.0	
	180	280	46	3.5	2.0	89.5				
7038	7.4803	11.4173	1.8110	.138	.079	3.64	50,500	63,000	23.6	
	190	290	46	3.5	2.0	92.5				
40	7.8740	12.2047	2.0079	.138	.079	3.90	56,500	73,000	30.4	
	200	310	51	3.5	2.0	99.0				





Units: INCHES  
Millimeters



30°  
Contact Angle  
72

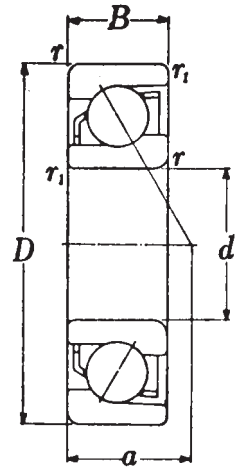
Bearing No.	Bore		O.D.	Width	Fillet Radius		Load Center	Basic Load Ratings (lbs)		Weight (lbs)
	<i>d</i>	<i>D</i>			<i>B</i>	<i>r</i>		<i>r<sub>1</sub></i>	<i>a</i>	
7200	.3937	1.1811	.3543	.039	.020	.41	1,220	615	.064	
01	.4724	1.2598	.3937	.039	.020	.45	1,600	810	.077	
02	.5906	1.3780	.4331	.039	.020	.49	2,040	1,060	.101	
7203	.6693	1.5748	.4724	.039	.020	.57	2,690	1,490	.141	
04	.7874	1.8504	.5512	.059	.031	.67	3,250	1,890	.220	
05	.9843	2.0472	.5906	.059	.031	.75	3,650	2,320	.276	
7206	1.1811	2.4409	.6299	.059	.031	.85	5,050	3,350	.425	
07	1.3780	2.8346	.6693	.079	.039	.94	6,700	4,500	.619	
08	1.5748	3.1496	.7087	.079	.039	1.04	7,950	5,650	.783	
7209	1.7717	3.3465	.7480	.079	.039	1.12	8,900	6,450	.891	
10	1.9685	3.5433	.7874	.079	.039	1.18	9,300	7,050	1.01	
11	2.1654	3.9370	.8268	.098	.047	1.30	11,500	8,900	1.32	
7212	2.3622	4.3307	.8661	.098	.047	1.42	13,900	11,000	1.69	
13	2.5591	4.7244	.9055	.098	.047	1.50	15,800	13,000	2.12	
14	2.7559	4.9213	.9449	.098	.047	1.57	17,200	14,300	2.40	
7215	2.9528	5.1181	.9843	.098	.047	1.67	17,800	15,400	2.58	
16	3.1496	5.5118	1.0236	.118	.059	1.77	20,000	17,100	3.06	
17	3.3465	5.9055	1.1024	.118	.059	1.89	22,400	19,900	3.92	
7218	3.5433	6.2992	1.1811	.118	.059	2.01	26,500	23,200	4.81	
19	3.7402	6.6929	1.2598	.138	.079	2.15	30,000	26,500	5.89	
20	3.9370	7.0866	1.3386	.138	.079	2.26	32,500	28,200	7.05	
7221	4.1339	7.4803	1.4173	.138	.079	2.38	35,000	32,000	8.36	
22	4.3307	7.8740	1.4961	.138	.079	2.52	38,000	35,500	9.81	
24	4.7244	8.4646	1.5748	.138	.079	2.70	41,000	40,000	13.8	
7226	5.1181	9.0551	1.5748	.157	.079	2.83	44,000	44,500	15.8	
28	5.5118	9.8425	1.6535	.157	.079	3.05	45,500	48,500	19.4	
30	5.9055	10.6299	1.7717	.157	.079	3.27	52,000	58,000	24.3	
7232	6.2992	11.4173	1.8898	.157	.079	3.50	59,000	69,000	30.2	
34	6.6929	12.2047	2.0472	.157	.079	3.76	66,000	80,500	37.5	
36	7.0866	12.5984	2.0472	.157	.079	3.86	68,500	86,500	39.0	
7238	7.4803	13.3858	2.1654	.157	.079	4.09	68,000	87,500	47.0	
40	7.8740	14.1732	2.2835	.157	.079	4.33	76,000	101,000	55.8	

# SINGLE ROW ANGULAR CONTACT BALL BEARINGS

Units: INCHES  
Millimeters



Bearing No.	Bore		Width <i>B</i>	Fillet Radius		Load Center <i>a</i>	Basic Load Ratings (lbs)		Weight (lbs)
	<i>d</i>	O.D. <i>D</i>		<i>r</i>	<i>r<sub>1</sub></i>		Dynamic <i>C</i>	Static <i>C<sub>0</sub></i>	
7300	.3937 10 35	1.3780 35	.4331 11	.039 1	.020 .5	.47 12	2,280	11,100	.088
01	.4724 12 37	1.4567 37	.4724 12	.059 1.5	.031 .8	.5118 13	2,510	1,180	.097
02	.5906 15 42	1.6535 42	.5118 13	.059 1.5	.031 .8	.5906 15	3,000	1,620	.121
7303	.6693 17 47	1.8504 47	.5512 14	.059 1.5	.031 .8	.63 16	3,600	1,940	.236
04	.7874 20 52	2.0472 52	.5906 15	.079 2	.039 1	.71 18	4,200	2,340	.304
05	.9843 25 62	2.4409 62	.6693 17	.079 2	.039 1	.83 21	5,950	3,550	.507
7306	1.1811 30 72	2.8346 72	.7480 19	.079 2	.039 1	.96 24.5	7,550	5,000	.761
07	1.3780 35 80	3.1496 80	.8268 21	.098 2.5	.047 1.2	1.06 27	9,000	5,900	1.02
08	1.5748 40 90	3.5433 90	.9055 23	.098 2.5	.047 1.2	1.20 30.5	11,000	7,400	1.38
7309	1.7717 45 100	3.9370 100	.9843 25	.098 2.5	.047 1.2	1.32 33.5	14,300	9,800	1.85
10	1.9685 50 110	4.3307 110	1.0630 27	.118 3	.059 1.5	1.44 36.5	16,700	11,700	2.40
11	2.1654 55 120	4.7244 120	1.1417 29	.118 3	.059 1.5	1.57 40	19,300	13,900	3.06
7312	2.3622 60 130	5.1181 130	1.2205 31	.138 3.5	.079 2	1.69 43	22,000	16,100	3.84
13	2.5591 65 140	5.5118 140	1.2992 33	.138 3.5	.079 2	1.81 46	25,000	18,400	4.65
14	2.7559 70 150	5.9055 150	1.3780 35	.138 3.5	.079 2	1.95 49.5	28,000	21,000	5.64
7315	2.9528 75 160	6.2992 160	1.4567 37	.138 3.5	.079 2	2.07 52.5	30,500	23,800	6.77
16	3.1496 80 170	6.6929 170	1.5354 39	.138 3.5	.079 2	2.19 55.5	33,000	26,700	8.05
17	3.3465 85 180	7.0866 180	1.6142 41	.157 4	.079 2	2.32 59	35,500	29,800	9.57
7318	3.5433 90 190	7.4803 190	1.6929 43	.157 4	.079 2	2.44 62	38,500	33,000	11.2
19	3.7402 95 200	7.8740 200	1.7717 45	.157 4	.079 2	2.56 65	41,000	36,500	13.0
20	3.9370 100 215	8.4646 215	1.8504 47	.157 4	.079 2	2.72 69	46,500	43,500	15.8
7321	4.1339 105 225	8.8583 225	1.9291 49	.157 4	.079 2	2.83 72	49,500	47,500	18.1
22	4.3307 110 240	9.4488 240	1.9685 50	.157 4	.079 2	2.99 76	52,000	50,500	21.2
24	4.7244 120 260	10.2362 260	2.1654 55	.157 4	.079 2	3.25 82.5	55,500	56,500	32.4
7326	5.1181 130 280	11.0236 280	2.2835 58	.157 4	.079 2	3.46 88	61,500	66,000	38.8
28	5.5118 140 300	11.8110 300	2.4409 62	.157 4	.079 2	3.72 94.5	67,500	75,500	47.4
30	5.9055 150 320	12.5984 320	2.5591 65	.157 4	.079 2	3.94 100	74,000	86,000	55.3
7332	6.2992 160 340	13.3858 340	2.6772 68	.157 4	.079 2	4.17 106	78,000	95,000	65.7
34	6.6929 170 360	14.1732 360	2.8346 72	.157 4	.079 2	4.45 113	87,500	109,000	77.8
36	7.0866 180 380	14.9606 380	2.9528 75	.157 4	.079 2	4.65 118	92,000	120,000	90.2
7338	7.4803 190 400	15.7480 400	3.0709 78	.197 5	.079 2	4.88 124	96,500	131,000	104
40	7.8740 200 420	16.5354 420	3.1496 80	.197 5	.079 2	5.12 130	101,000	137,000	117



30°  
Contact Angle  
73

# NTN

## SERIES 70C

### High Precision Grade

#### Suffix P5

- AFBMA RBEC 5 •
- ISO Class 5 •

#### Suffix P4

- AFBMA ABEC 7 •
- ISO Class 4 •

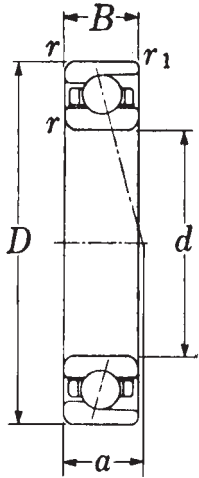
#### Suffix P2

- AFBMA ABEC 9 •
- ISO Class 2 •

Units: **INCHES**  
Millimeters

## SINGLE ROW ANGULAR CONTACT BALL BEARINGS

Bearing No.	Bore <i>d</i>	O.D. <i>D</i>	Width <i>B</i>	Fillet Radii		Load Center <i>a</i>	Basic Load Ratings (lbs)		Weight (lbs)
				<i>r</i>	<i>r<sub>1</sub></i>		Dynamic <i>C</i>	Static <i>C<sub>0</sub></i>	
7000C	.3937 10	1.0236 26	.3150 8	.039 1.0	.020 .5	.26 6.5	1,790	990	.042
01C	.4724 12	1.1024 28	.3150 8	.039 1.0	.020 .5	.26 6.5	1,220	595	.046
7002C	.5906 15	1.2598 32	.3543 9	.039 1.0	.020 .5	.30 7.5	1,400	760	.064
03C	.6693 17	1.3780 35	.3937 10	.039 1.0	.020 .5	.33 8.5	1,740	925	.084
04C	.7874 20	1.6535 42	.4724 12	.039 1.0	.020 .5	.39 10.0	2,360	1,360	.146
7005C	.9843 25	1.8504 47	.4724 12	.039 1.0	.020 .5	.43 11.0	2,630	1,670	.132
06C	1.1811 30	2.1654 55	.5118 13	.059 1.5	.031 .8	.49 12.5	3,400	2,310	.196
07C	1.3780 35	2.4409 62	.5512 14	.059 1.5	.031 .8	.53 13.5	4,300	3,050	.287
7008C	1.5748 40	2.6772 68	.5906 15	.059 1.5	.031 .8	.57 14.5	4,600	3,550	.357
09C	1.7717 45	2.9528 75	.6299 16	.059 1.5	.031 .8	.63 16.0	5,500	4,350	.461
10C	1.9685 50	3.1496 80	.6299 16	.059 1.5	.031 .8	.65 16.5	5,850	4,900	.514
7011C	2.1654 55	3.5433 90	.7087 18	.079 2.0	.039 1.0	.73 18.5	7,650	6,450	.712
12C	2.3622 60	3.7402 95	.7087 18	.079 2.0	.039 1.0	.77 19.5	7,900	6,900	.772
13C	2.5591 65	3.9370 100	.7087 18	.079 2.0	.039 1.0	.79 20.0	8,350	7,700	.840
7014C	2.7559 70	4.3307 110	.7874 20	.079 2.0	.039 1.0	.87 22.0	10,500	9,650	1.28
15C	2.9528 75	4.5276 115	.7874 20	.079 2.0	.039 1.0	.89 22.5	10,800	10,300	1.33
16C	3.1496 80	4.9213 125	.8661 22	.079 2.0	.039 1.0	.96 24.5	13,200	12,400	1.72
7017C	3.3465 85	5.1181 130	.8661 22	.079 2.0	.039 1.0	1.00 25.5	13,500	13,200	1.94
18C	3.5433 90	5.5118 140	.9449 24	.098 2.5	.047 1.2	1.08 27.5	16,100	15,500	2.47
19C	3.7402 95	5.7087 145	.9449 24	.098 2.5	.047 1.2	1.10 28.0	16,500	16,500	2.60
7020C	3.9370 100	5.9055 150	.9449 24	.098 2.5	.047 1.2	1.12 28.5	16,900	17,400	2.69
21C	4.1339 105	6.2992 160	1.0236 26	.118 3.0	.059 1.5	1.22 31.0	19,800	20,100	3.37
22C	4.3307 110	6.6929 170	1.1024 28	.118 3.0	.059 1.5	1.30 33.0	22,700	22,800	4.23
7024C	4.7244 120	7.0866 180	1.1024 28	.118 3.0	.059 1.5	1.34 34.0	23,200	24,300	4.74
26C	5.1181 130	7.8740 200	1.2992 33	.118 3.0	.059 1.5	1.52 38.5	29,000	31,000	7.14
28C	5.5118 140	8.2677 210	1.2992 33	.118 3.0	.059 1.5	1.57 40.0	29,700	32,500	7.58
7030C	5.9055 150	8.8583 225	1.3780 35	.138 3.5	.079 2.0	1.67 42.5	34,000	38,000	10.7
32C	6.2992 160	9.4488 240	1.4961 38	.138 3.5	.079 2.0	1.81 46.0	38,500	43,500	13.0
34C	6.6929 170	10.2362 260	1.6535 42	.138 3.5	.079 2.0	1.97 50.0	46,000	52,500	17.4
7026C	7.0866 180	11.0236 280	1.8110 46	.138 3.5	.079 2.0	2.13 54.0	54,000	65,500	22.0
38C	7.4803 190	11.4173 290	1.8110 46	.138 3.5	.079 2.0	2.17 55.0	55,500	69,000	23.6
40C	7.8740 200	12.2047 310	2.0079 51	.138 3.5	.079 2.0	2.34 59.5	62,000	80,000	30.4



15°  
Contact  
Angle



# SINGLE ROW ANGULAR CONTACT BALL BEARINGS

Units: **INCHES**  
Millimeters

NTN

SERIES  
72C

High  
Precision  
Grade

Suffix P5

- AFBMA RBEC 5 •
- ISO Class 5 •

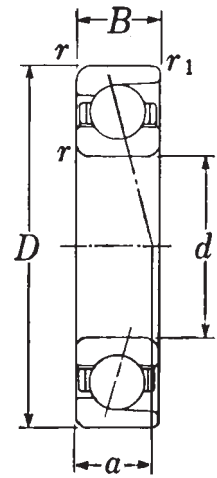
Suffix P4

- AFBMA ABEC 7 •
- ISO Class 4 •

Suffix P2

- AFBMA ABEC 9 •
- ISO Class 2 •

Bearing No.	Bore	O.D.	Width	Fillet Radii		Load Center	Basic Load Ratings (lbs)		Weight (lbs)
	<i>d</i>	<i>D</i>		<i>B</i>	<i>r</i>		<i>r<sub>1</sub></i>	<i>a</i>	
7200C	.3937 10	1.1811 30	.3543 9	.039 1.0	.020 .5	.28 7.0	1,220	595	.037
01C	.4724 12	1.2598 32	.3937 10	.039 1.0	.020 .5	.31 8.0	1,590	780	.049
02C	.5906 15	1.3780 35	.4331 11	.039 1.0	.020 .5	.35 9.0	2,020	1,010	.068
7203C	.6693 17	1.5748 40	.4724 12	.039 1.0	.020 .5	.39 10.0	2,510	1,310	.106
04C	.7874 20	1.8504 47	.5512 14	.059 1.5	.031 .8	.45 11.5	3,300	1,840	.181
05C	.9843 25	2.0472 52	.5906 15	.059 1.5	.031 .8	.49 12.5	3,750	2,300	.249
7206C	1.1811 30	2.4409 62	.6299 16	.059 1.5	.031 .8	.55 14.0	5,200	3,300	.395
07C	1.3780 35	2.8346 72	.6693 17	.079 2.0	.039 1.0	.61 15.5	6,850	4,500	.578
08C	1.5748 40	3.1496 80	.7087 18	.079 2.0	.039 1.0	.67 17.0	8,150	5,650	.752
7209C	1.7717 45	3.3465 85	.7480 19	.079 2.0	.039 1.0	.71 18.0	9,200	6,500	.858
10C	1.9685 50	3.5433 90	.7874 20	.079 2.0	.039 1.0	.77 19.5	9,650	7,150	.963
11C	2.1654 55	3.9370 100	.8268 21	.098 2.5	.047 1.2	.83 21.0	11,900	9,000	1.27
7212C	2.3622 60	4.3307 110	.8661 22	.098 2.5	.047 1.2	.89 22.5	14,400	11,100	1.66
13C	2.5591 65	4.7244 120	.9055 23	.098 2.5	.047 1.2	.94 24.0	15,700	12,300	2.07
14C	2.7559 70	4.9213 125	.9449 24	.098 2.5	.047 1.2	.98 25.0	17,100	13,500	2.34
7215C	2.9528 75	5.1181 130	.9843 25	.098 2.5	.047 1.2	1.04 26.5	17,800	14,700	2.56
16C	3.1496 80	5.5118 140	1.0236 26	.118 3.0	.059 1.5	1.08 27.5	20,900	17,400	3.04
17C	3.3465 85	5.9055 150	1.1024 28	.118 3.0	.059 1.5	1.18 30.0	23,400	20,300	3.88
7218C	3.5433 90	6.2992 160	1.1811 30	.118 3.0	.059 1.5	1.24 31.5	27,600	23,500	4.76
19C	3.7402 95	6.6929 170	1.2598 32	.138 3.5	.079 2.0	1.34 34.0	31,000	26,900	5.82
20C	3.9370 100	7.0866 180	1.3386 34	.138 3.5	.079 2.0	1.42 36.0	33,500	28,500	6.99
7221C	4.1339 105	7.4803 190	1.4173 36	.138 3.5	.079 2.0	1.50 38.0	36,500	32,000	8.27
22C	4.3307 110	7.8740 200	1.4961 38	.138 3.5	.079 2.0	1.57 40.0	39,500	36,000	9.72



15°  
Contact  
Angle

# NTN

**SERIES  
73C**

**High  
Precision  
Grade**

**Suffix P5**

- AFBMA RBEC 5 •
- ISO Class 5 •

**Suffix P4**

- AFBMA ABEC 7 •
- ISO Class 4 •

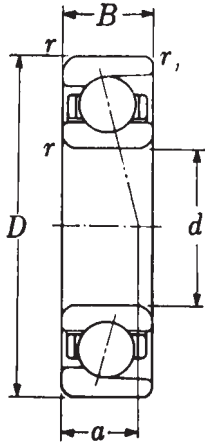
**Suffix P2**

- AFBMA ABEC 9 •
- ISO Class 2 •

Units: **INCHES**  
Millimeters

## SINGLE ROW ANGULAR CONTACT BALL BEARINGS


Bearing No.	Bore <i>d</i>	O.D. <i>D</i>	Width <i>B</i>	Fillet Radii		Load Center <i>a</i>	Basic Load Ratings (lbs)		Weight (lbs)
				<i>r</i>	<i>r<sub>f</sub></i>		Dynamic <i>C</i>	Static <i>C<sub>0</sub></i>	
7302C	.5906 15	1.6535 42	.5118 13	.059 1.5	.031 .8	.41 10.5	2,990	1,540	.130
7303C	.6693 17	1.8504 47	.5512 14	.059 1.5	.031 .8	.45 11.5	3,550	1,860	.190
04C	.7874 20	2.0472 52	.5906 15	.079 2.0	.039 1.0	.49 12.5	1,450	2,240	.260
05C	.9843 25	2.4409 62	.6693 17	.079 2.0	.039 1.0	.57 14.5	5,950	3,450	.445
7306C	1.1811 30	2.8346 72	.7480 19	.079 2.0	.039 1.0	.65 16.5	7,250	4,550	.690
07C	1.3780 35	3.1496 80	.8268 21	.098 2.5	.047 1.2	.71 18.0	9,050	5,800	.939
08C	1.5748 40	3.5433 90	.9055 23	.098 2.5	.047 1.2	.79 20.0	11,100	7,250	1.36
7309C	1.7717 45	3.9370 100	.9843 25	.098 2.5	.047 1.2	.89 22.5	14,400	9,700	1.82
10C	1.9685 50	4.3307 110	1.0630 27	.118 3.0	.059 1.5	.96 24.5	16,900	11,600	2.31
11C	2.1654 55	4.7244 120	1.1417 29	.118 3.0	.059 1.5	1.04 26.5	19,500	13,600	2.93
7312C	2.3622 60	5.1181 130	1.2205 31	.138 3.5	.079 2.0	1.12 28.5	22,300	15,800	3.70
13C	2.5591 65	5.5118 140	1.2992 33	.138 3.5	.079 2.0	1.18 30.0	25,200	18,100	4.52
14C	2.7559 70	5.9055 150	1.3780 35	.138 3.5	.079 2.0	1.26 32.0	28,400	20,700	5.47
7315C	2.9528 75	6.2992 160	1.4567 37	.138 3.5	.079 2.0	1.34 34.0	31,000	23,400	6.79
16C	3.1496 80	6.6929 170	1.5354 39	.138 3.5	.079 2.0	1.42 36.0	33,500	26,200	8.14
17C	3.3465 85	7.0866 180	1.6142 41	.157 4.0	.079 2.0	1.52 38.5	36,000	29,300	9.44
7318C	3.5433 90	7.4803 190	1.6929 43	.157 4.0	.079 2.0	1.59 40.5	41,000	35,500	11.0
19C	3.7402 95	7.8740 200	1.7717 45	.157 4.0	.079 2.0	1.67 42.5	44,000	39,000	12.9
20C	3.9370 100	8.4646 215	1.8504 47	.157 4.0	.079 2.0	1.75 44.5	50,000	46,500	15.7
7321C	4.1339 105	8.8583 225	1.9291 49	.157 4.0	.079 2.0	1.83 46.5	53,000	50,500	17.9
22C	4.3307 110	9.4488 240	1.9685 50	.157 4.0	.079 2.0	1.91 48.5	56,000	54,500	20.9



**15°  
Contact  
Angle**

# ANGULAR CONTACT BALL BEARINGS

Units: **INCHES**  
Millimeters



**SERIES**  
**BNT0**  
**HSB0C**

**High Speed**  
**Service**

**Suffix P5**

- AFBMA RBEC 5 •
- ISO Class 5 •

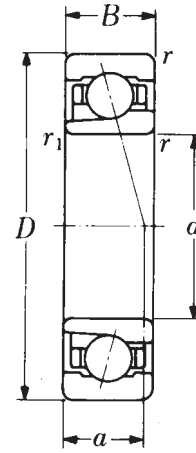
**Suffix P4**

- AFBMA ABEC 7 •
- ISO Class 4 •

**Suffix P2**

- AFBMA ABEC 9 •
- ISO Class 2 •

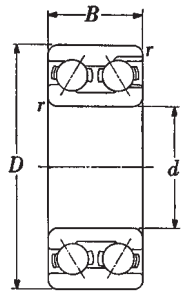
Bearing No.	Bore	O.D.	Width	Fillet Radii		Load Center	Basic Load Ratings (lbs)		Weight (lbs)
	<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i>	<i>r<sub>1</sub></i>	<i>a</i>	Dynamic <i>C</i>	Static <i>C<sub>0</sub></i>	
BNT000	.3937	1.0236	.3150	.020	.012	.26	845	325	.037
01	.4724	1.1024	.3150	.020	.012	.26	930	390	.043
02	.5906	1.2598	.3543	.020	.012	.30	1,070	500	.063
BNT003	.6693	1.3780	.3937	.020	.012	.33	1,330	605	.083
04	.7874	1.6535	.4724	.039	.020	.39	1,800	890	.145
05	.9843	1.8504	.4724	.039	.020	.43	2,010	1,090	.171
BNT006	1.1811	2.1654	.5118	.059	.031	.49	2,600	1,510	.265
07	1.3780	2.4409	.5512	.059	.031	.53	3,300	2,010	.372
08	1.5748	2.6772	.5906	.059	.031	.57	3,550	2,340	.464
BNT009	1.7717	2.9528	.6299	.059	.031	.63	4,200	2,830	.600
HSB010C	1.9685	3.1496	.6299	.059	.031	.65	4,680	2,565	.564
11C	2.1654	3.5433	.7087	.079	.039	.73	5,085	3,060	.875
HSB012C	2.3622	3.7402	.7087	.079	.039	.77	5,332	3,375	.937
13C	2.5591	3.9370	.7087	.079	.039	.79	5,400	3,555	.997
14C	2.7559	4.3307	.7874	.079	.039	.87	6,615	4,477	1.41
HSB015C	2.9528	4.5276	.7874	.079	.039	.89	7,087	5,040	1.50
16C	3.1496	4.9213	.8661	.079	.039	.96	8,100	5,782	2.02
17C	3.3465	5.1181	.8661	.079	.039	1.00	8,212	6,030	2.11
HSB018C	3.5433	5.5118	.9449	.098	.047	1.08	9,450	7,087	2.76
19C	3.7402	5.7087	.9449	.098	.047	1.10	9,562	7,312	2.87
20C	3.9370	5.9055	.9449	.098	.047	1.12	9,900	7,875	3.00
HSB021C	4.1339	6.2992	1.0236	.079	.039	1.22	11,400	9,100	3.81
22C	4.3307	6.6929	1.1024	.079	.039	1.30	14,100	11,100	4.70
24C	4.7244	7.0866	1.1024	.079	.039	1.34	14,200	11,600	5.03
HSB026C	5.1181	7.8740	1.2992	.079	.039	1.52	20,300	16,000	7.50
28C	5.5118	8.2677	1.2992	.079	.039	1.57	21,000	17,300	8.11
30C	5.9055	8.8583	1.3780	.083	.043	1.67	21,700	18,700	9.83
HSB032C	6.2992	9.4488	1.4961	.083	.043	1.81	25,400	21,800	12.0
34C	6.6929	10.2362	1.6535	.083	.043	1.97	29,000	25,000	16.3



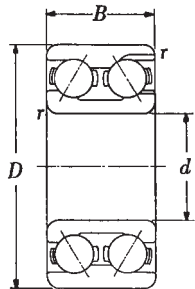
**15°**  
**Contact**  
**Angle**



Units: INCHES  
Millimeters



32



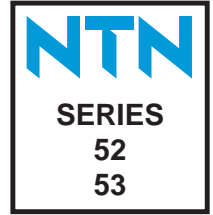
33

## DOUBLE ROW ANGULAR CONTACT BALL BEARINGS

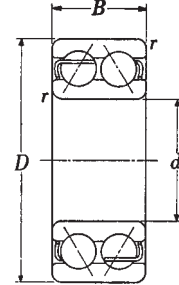
Bearing No.	Bore <i>d</i>	O.D. <i>D</i>	Width <i>B</i>	Fillet Radius <i>r</i>	Basic Load Ratings (lbs)		Weight (lbs)
					Dynamic <i>C</i>	Static <i>C<sub>0</sub></i>	
3200	.3937	1.1811	.5625	.039	1,890	1,460	.112
	10	30	14.29	1.0			
01	.4724	1.2598	.6250	.039	1,900	1,510	.132
	12	32	15.88	1.0			
02	.5906	1.3780	.6250	.039	2,500	2,040	.152
	15	35	15.88	1.0			
3203	.6693	1.5748	.6875	.039	3,200	2,660	.218
	17	40	17.46	1.0			
04	.7874	1.8504	.8125	.059	3,950	3,400	.366
	20	47	20.64	1.5			
05	.9843	2.0472	.8125	.059	4,350	4,150	.403
	25	52	20.64	1.5			
3206	1.1811	2.4409	.9375	.059	6,250	6,150	.668
	30	62	23.81	1.5			
07	1.3780	2.8346	1.0625	.079	8,400	8,550	1.01
	35	72	26.99	2.0			
08	1.5748	3.1496	1.1875	.079	9,100	10,100	1.38
	40	80	30.16	2.0			
3209	1.7717	3.3465	1.1875	.079	10,400	11,700	1.49
	45	85	30.16	2.0			
10	1.9685	3.5433	1.1875	.079	11,800	13,400	1.54
	50	90	30.16	2.0			
11	2.1654	3.9370	1.3125	.098	14,800	17,200	2.36
	55	100	33.34	2.5			
3212	2.3622	4.3307	1.4375	.098	15,800	19,800	2.95
	60	110	36.51	2.5			
13	2.5591	4.7244	1.5000	.098	17,500	22,300	3.70
	65	120	38.10	2.5			
14	2.7559	4.9213	1.5625	.098	19,300	24,800	4.06
	70	125	39.69	2.5			
3215	2.9528	5.1181	1.6250	.098	21,100	27,500	4.43
	75	130	41.28	2.5			
16	3.1496	5.5118	1.7500	.118	23,300	29,400	5.97
	80	140	44.45	3.0			
17	3.3465	5.9055	1.9375	.118	27,300	35,000	7.67
	85	150	49.21	3.0			
3218	3.5433	6.2992	2.0625	.118	30,500	38,000	9.35
	90	160	52.39	3.0			
19	3.7402	6.6929	2.1875	.138	32,500	41,500	11.2
	95	170	55.56	3.5			
20	3.9370	7.0866	2.3750	.138	42,500	52,500	13.0
	100	180	60.33	3.5			
3302	.5906	1.6535	.7500	.059	3,200	2,660	.280
	15	42	19.05	1.5			
03	.6693	1.8504	.8750	.059	3,950	3,350	.408
	17	47	22.23	1.5			
04	.7874	2.0472	.8750	.079	4,750	4,150	.487
	20	52	22.23	2.0			
3305	.9843	2.4409	1.0000	.079	6,600	6,000	.780
	25	62	25.40	2.0			
06	1.1811	2.8346	1.1875	.079	8,700	8,200	1.23
	30	72	30.16	2.0			
07	1.3780	3.1496	1.3750	.098	11,100	10,700	1.67
	35	80	34.93	2.5			
3308	1.5748	3.5433	1.4375	.098	12,200	12,900	2.27
	40	90	36.51	2.5			
09	1.7717	3.9370	1.5625	.098	15,100	16,300	3.02
	45	100	39.69	2.5			
10	1.9685	4.3307	1.7500	.118	18,300	20,100	4.37
	50	110	44.45	3.0			
3311	2.1654	4.7244	1.9375	.118	21,700	24,300	5.34
	55	120	49.21	3.0			
12	2.3622	5.1181	2.1250	.138	25,400	28,900	6.77
	60	130	53.98	3.5			
13	2.5591	5.5118	2.3125	.138	29,400	34,000	8.60
	65	140	58.74	3.5			
3314	2.7559	5.9055	2.5000	.138	34,500	38,000	11.5
	70	150	63.50	3.5			
15	2.9528	6.2992	2.6875	.138	38,500	43,000	13.9
	75	160	68.26	3.5			

# DOUBLE ROW ANGULAR CONTACT BALL BEARINGS

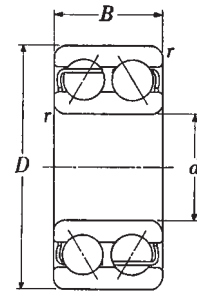
Units: INCHES  
Millimeters



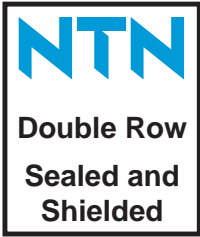
Bearing No.	Bore <i>d</i>	O.D. <i>D</i>	Width <i>B</i>	Fillet Radius <i>r</i>	Basic Load Ratings (lbs)		Weight (lbs)
					Dynamic <i>C</i>	Static <i>C<sub>o</sub></i>	
5200	.3937 10	1.1811 30	.5630 14.3	.024 0.6	1,560	855	.108
01	.4724 12	1.2598 32	.6260 15.9	.024 .6	2,050	1,140	.126
02	.5906 15	1.3780 35	.6260 15.9	.024 .6	2,260	1,360	.141
5203	.6693 17	1.5748 40	.6890 17.5	.039 1	2,870	1,770	.212
04	.7874 20	1.8504 47	.8110 20.6	.059 1.5	4,300	2,710	.337
05	.9843 25	2.0472 52	.8110 20.6	.059 1.5	4,650	3,200	.386
5206	1.1811 30	2.4409 62	.9370 23.8	.059 1.5	6,450	4,600	.631
07	1.3780 35	2.8346 72	1.0630 27.0	.079 2	8,500	6,250	.961
08	1.5748 40	3.1496 80	1.1890 30.2	.079 2	9,600	7,250	1.30
5209	1.7717 45	3.3465 85	1.1890 30.2	.079 2	10,800	8,300	1.41
10	1.9685 50	3.5433 90	1.1890 30.2	.079 2	11,500	9,400	1.52
11	2.1654 55	3.9370 100	1.3110 33.3	.098 2.5	14,200	11,900	2.17
5212	2.3622 60	4.3307 110	1.4370 36.5	.098 2.5	16,100	13,100	2.80
13	2.5591 65	4.7244 120	1.5000 38.1	.098 2.5	18,700	16,300	3.46
14	2.7559 70	4.9213 125	1.5630 39.7	.098 2.5	20,400	17,900	3.97
5215	2.9528 75	5.1181 130	1.6260 41.3	.098 2.5	20,300	18,100	4.19
16	3.1496 80	5.5118 140	1.7480 44.4	.118 3	23,800	21,400	5.27
17	3.3465 85	5.9055 150	1.9370 49.2	.118 3	25,100	23,900	6.75
5218	3.5433 90	6.2992 160	2.0630 52.4	.118 3	31,500	29,000	8.22
19	3.7402 95	6.6929 170	2.1890 55.6	.138 3.5	35,500	33,000	10.7
20	3.9370 100	7.0866 180	2.3740 60.3	.138 3.5	40,000	37,500	13.1
5302	.5906 15	1.6535 42	.7480 19	.039 1	3,850	2,260	.291
03	.6693 17	1.8504 47	.8740 22.2	.024 .6	2,870	1,770	.212
04	.7874 20	2.0472 52	.8740 22.2	.079 2	4,650	2,850	.478
5305	.9843 25	2.4409 62	1.0000 25.4	.079 2	6,850	4,600	.798
06	1.1811 30	2.8346 72	1.1890 30.2	.079 2	8,900	6,200	1.22
07	1.3780 35	3.1496 80	1.3740 34.9	.098 2.5	11,100	7,850	1.69
5308	1.5748 40	3.5433 90	1.4370 36.5	.098 2.5	13,600	9,850	2.23
09	1.7717 45	3.9370 100	1.5630 39.7	.098 2.5	16,300	12,100	2.95
10	1.9685 50	4.3307 110	1.7480 44.4	.118 3	19,200	14,500	3.99
5311	2.1654 55	4.7244 120	1.9370 49.2	.118 3	23,900	18,500	5.11
12	2.3622 60	5.1181 130	2.1260 54.0	.138 3.5	27,300	21,400	6.72
13	2.5591 65	5.5118 140	2.3110 58.7	.138 3.5	31,000	24,600	8.73
5314	2.7559 70	5.9055 150	2.5000 63.5	.138 3.5	35,000	28,000	10.4
15	2.9528 75	6.2992 160	2.6890 68.3	.138 3.5	38,000	31,500	12.5



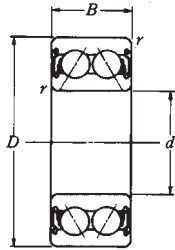
52



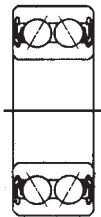
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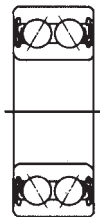
Units: INCHES  
Millimeters



**Type ZZ**  
with two shields



**Type LLB**  
with two seals  
(non-contact)



**Type LLU**  
with two seals  
(contact)

## ANGULAR CONTACT BALL BEARINGS

Bearing Numbers			Bore	O.D.	Width	Fillet Radius	Basic Load Ratings (lbs)		Weight (lbs)
ZZ	LLB	LLU	<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i>	Dynamic <i>C</i>	Static <i>C<sub>o</sub></i>	
5200AZZ	ALLB	ALLU	.3937 10	1.1811 30	.5630 14.3	.024 0.6	1,560	855	.108
5201AZZ	ALLB	ALLU	.4724 12	1.2598 32	.6260 15.9	.024 .6	1,710	1,010	.126
5202BZZ	BLLB	BLLU	.5906 15	1.3780 35	.6260 15.9	.024 .6	1,840	1,180	.141
5203BZZ	BLLB	BLLU	.6693 17	1.5748 40	.6890 17.5	.024 .6	2,430	1,590	.212
5204BZZ	BLLB	BLLU	.7874 20	1.8504 47	.8110 20.6	.039 1	3,550	2,280	.337
5205BZZ	BLLB	BLLU	.9843 25	2.0472 52	.8110 20.6	.039 1	4,100	2,970	.386
5206CZZ	CLLB	CLLU	1.1811 30	2.4409 62	.9370 23.8	.039 1	5,850	4,400	.631
5207AZZ	ALLB	ALLU	1.3780 35	2.8346 72	1.0630 27	.043 1.1	7,400	5,500	.961
5208AZZ	ALLB	ALLU	1.5748 40	3.1496 80	1.1890 30.2	.043 1.1	9,050	7,150	1.30
5209AZZ	ALLB	ALLU	1.7717 45	3.3465 85	1.1890 30.2	.043 1.1	9,000	7,300	1.41
5210AZZ	ALLB	ALLU	1.9685 50	3.5433 90	1.1890 30.2	.043 1.1	8,700	7,800	1.52
5302AZZ	ALLB	ALLU	.5906 15	1.6535 42	.7480 19	.039 1	3,200	1,980	.291
5303CZZ	CLLB	CLLU	.6693 17	1.8504 47	.8740 22.2	.039 1	4,250	2,670	.399
5304BZZ	BLLB	BLLU	.7874 20	2.0472 52	.8740 22.2	.043 1.1	4,300	2,780	.478
5305CZZ	CLLB	CLLU	.9843 25	2.4409 62	1.000 25.4	.043 1.1	5,950	4,050	.798
5306AZZ	ALLB	ALLU	1.1811 30	2.8346 72	1.1890 30.2	.043 1.1	7,400	5,450	1.22
5307AZZ	ALLB	ALLU	1.3780 35	3.1496 80	1.3740 34.9	.059 1.5	11,100	7,850	1.69
5308AZZ	ALLB	ALLU	1.5748 40	3.5433 90	1.4370 36.5	.059 1.5	12,400	9,000	2.23
5309BZZ	BLLB	BLLU	1.7717 45	3.9370 100	1.5630 39.7	.059 1.5	14,900	11,100	2.95
5310AZZ	ALLB	ALLU	1.9685 50	4.3307 110	1.7480 44.4	.079 2	17,700	13,600	3.99
5311AZZ	ALLB	ALLU	2.1654 55	4.7244 120	1.9370 49.2	.079 2	20,700	16,200	5.11

**Note:** Suffixes A, B and C denote internal design change to accommodate seal.