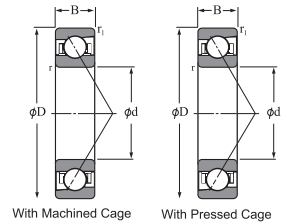


Single Row Angular Contact Ball Bearings



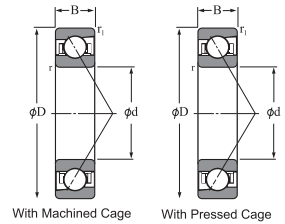
BEARING NUMBER	NOMINAL DIMENSIONS[mm]					LOAD RATING(kN)				LIMITING SPEED(RPM)		Weight KG
						With Machined Cage		With Pressed Cage		Grease Lube	Oil Lube	
	d	D	B	r	r ₁	Dynamic C	Stactic Co	Dynamic C	Stactic Co			
7200B	10	30	9	0.6	0.3	4.30	2.00	4.95	2.50	22000	29000	0.031
7201B	12	32	10	0.6	0.3	6.95	3.40	7.40	3.75	20000	27000	0.038
7202B	15	35	11	0.6	0.3	7.45	3.95	7.45	3.95	18000	24000	0.048
7203B	17	40	12	0.6	0.3	9.35	5.05	9.35	5.05	16000	21000	0.070
7204B	20	47	14	1.0	0.6	13.30	7.70	14.10	8.40	13000	17000	0.112
7205B	25	52	15	1.0	0.6	14.00	8.70	14.70	9.40	12000	15000	0.135
7206B	30	62	16	1.0	0.6	19.40	12.50	20.50	13.60	9600	13000	0.208
7207B	35	72	17	1.1	0.6	25.60	17.00	27.00	18.50	8300	11000	0.295
7208B	40	80	18	1.1	0.6	30.6	21.3	32.1	23.0	7500	10000	0.382
7209B	45	85	19	1.1	0.6	34.3	24.3	36.1	26.1	7000	9400	0.430
7210B	50	90	20	1.1	0.6	35.7	26.7	37.4	28.6	6400	8500	0.485
7211B	55	100	21	1.5	1.0	44.1	33.8	46.2	36.2	5700	7600	0.635
7212B	60	110	22	1.5	1.0	53.4	41.6	55.9	44.6	5100	6900	0.820
7213B	65	120	23	1.5	1.0	60.9	49.3	63.6	52.6	4800	6400	1.020
7214B	70	125	24	1.5	1.0	63.2	50.6	69.1	57.8	4600	6100	1.120
7215B	75	130	25	1.5	1.0	71.7	59.3	74.9	63.3	4300	5800	1.230

Rotational speed limits shown applicable for machined cage bearings only.

Rotational speed limits of pressed cage bearings to be kept under 80% of this value.

This speed limit is in case of 15° contact angle is applicable for bearings higher than class 5, Suffix B indicates the contact angle is 40°, Suffix C indicates the contact angle is 30° and no suffix indicates the contact angle is 15°

Single Row Angular Contact Ball Bearings



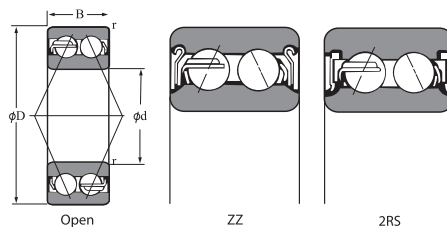
BEARING NUMBER	NOMINAL DIMENSIONS[mm]					LOAD RATING(kN)				LIMITING SPEED(RPM)		Weight KG
						With Machined Cage		With Pressed Cage		Grease Lube	Oil Lube	
	d	D	B	r	r ₁	Dynamic C	Stactic Co	Dynamic C	Stactic Co			
7300 B	10	35	11	0.6	0.3	8.5	3.75	9.3	4.3	27000	33000	0.054
7301 B	12	37	12	1	0.6	10.2	4.6	11.2	5.25	24000	31000	0.065
7302 B	15	42	13	1	0.6	12.5	6.45	13.4	7.2	20000	25000	0.088
7303 B	17	47	14	1	0.6	13.8	7.3	14.8	8.1	14000	18000	0.120
7304 B	20	52	15	1.1	0.6	16.2	8.7	17.3	9.65	13000	17000	0.150
7305 B	25	62	17	1.1	0.6	22.9	13.3	24.4	14.6	10000	14000	0.243
7306 B	30	72	19	1.1	0.6	27.6	17.4	29.3	19	8700	12000	0.362
7307 B	35	80	21	1.5	1	32.5	20.2	36.6	24.3	7700	10000	0.475
7308 B	40	90	23	1.5	1	39.7	25.2	44.8	30.3	6900	9200	0.657
7309 B	45	100	25	1.5	1	50.6	34.1	53.6	37.2	6200	8200	0.875
7310 B	50	110	27	2	1	64.4	44.3	68.2	48.3	5500	7300	1.140
7311 B	55	120	29	2	1	74.3	52	78.7	56.7	5000	6700	1.450
7312 B	60	130	31	2.1	1.1	84.9	60.3	90	65.8	4600	6200	1.810
7313 B	65	140	33	2.1	1.1	96.1	69.3	102	75.6	4300	5800	2.220
7314 B	70	150	35	2.1	1.1	108	78.9	114	86	4000	5400	2.700
7315 B	75	160	37	2.1	1.1	118	89.2	125	97.3	3800	5000	3.150

Rotational speed limits shown applicable for machined cage bearings only.

Rotational speed limits of pressed cage bearings to be kept under 80% of this value.

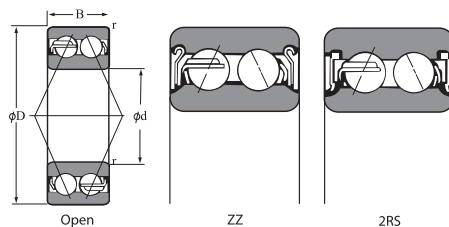
This speed limit is in case of 15° contact angle is applicable for bearings higher than class 5, Suffix B indicates the contact angle is 40°, Suffix C indicates the contact angle is 30° and no suffix indicates the contact angle is 15°

Double Row Angular Contact Ball Bearings



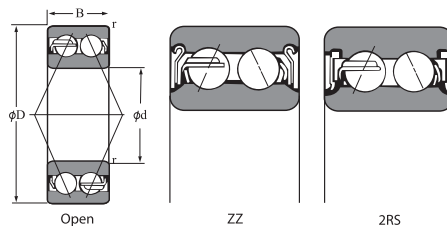
BEARING NUMBER	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
	d	D	B	r	Dynamic	Stactic	Grease	Oil	
					C	Co	Lube	Lube	
3200	10	30	14.3	0.6	7.35	5.35	15000	20000	0.052
3201	12	32	15.9	0.6	9.70	7.15	14000	18000	0.063
3202	15	35	15.9	0.6	9.70	7.45	12000	16000	0.072
3203	17	40	17.5	0.6	13.80	10.80	11000	14000	0.100
3204	20	47	20.6	1.0	17.20	15.00	9000	12000	0.170
3205	25	52	20.6	1.0	18.90	18.20	7800	10000	0.190
3206	30	62	23.8	1.0	27.30	27.00	6500	8700	0.320
3207	35	72	27	1.1	36.80	37.50	5600	7500	0.480
3208	40	80	30.2	1.1	42.00	43.90	5000	6700	0.650
3209	45	85	30.2	1.1	45.40	51.40	4600	6100	0.710
3210	50	90	30.2	1.1	45.10	52.10	4300	5700	0.760
3211	55	100	33.3	1.5	50.90	60.20	3900	5100	1.050
3212	60	110	36.5	1.5	64.00	76.80	3500	4700	1.400
3213	65	120	38.1	1.5	76.40	97.40	3200	4300	1.750
3214	70	125	39.7	1.5	77.90	96.40	3100	4100	1.920
3215	75	130	41.3	1.5	92.40	120.00	2900	3900	2.100
3216	80	140	44.4	2.0	97.50	121.00	2700	3600	2.640
3217	85	150	49.2	2.0	114.00	143.00	2500	3400	3.390
3218	90	160	52.4	2.0	132.00	167.00	2400	3100	4.140

Double Row Angular Contact Ball Bearings



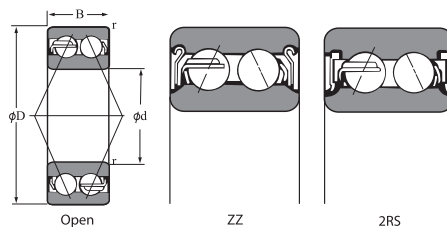
BEARING NUMBER	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
	d	D	B	r	Dynamic	Stactic	Grease	Oil	
					C	Co	Lube	Lube	
3302	15	42	19.0	1.0	15.20	11.90	10000	14000	0.132
3303	17	47	22.2	1.0	21.70	17.10	9400	13000	0.192
3304	20	52	22.2	1.1	20.80	18.40	8200	11000	0.230
3305	25	62	25.4	1.1	28.90	26.50	6800	9100	0.369
3306	30	72	30.2	1.1	38.10	36.10	5800	7800	0.585
3307	35	80	34.9	1.5	48.60	46.80	5200	7000	0.816
3308	40	90	36.5	1.5	54.10	53.80	4600	6100	1.070
3309	45	100	39.7	1.5	66.10	67.30	4100	5500	1.420
3310	50	110	44.4	2.0	86.10	88.60	3800	5000	1.950
3311	55	120	49.2	2.0	101.00	106.00	3400	4500	2.530
3312	60	130	54.0	2.1	125.00	132.00	3100	4200	3.240
3313	65	140	58.7	2.1	142.00	153.00	2900	3900	4.080
3314	70	150	63.5	2.1	151.00	160.00	2700	3600	5.040
3315	75	160	68.3	2.1	169.00	189.00	2500	3300	6.160
3316	80	170	68.3	2.1	184.00	213.00	2400	3100	6.930
3317	85	180	73.0	3.0	188.00	219.00	2200	3000	8.300
3318	90	190	73.0	3.0	205.00	242.00	2100	2800	9.230

Double Row Angular Contact Ball Bearings



BEARING NUMBER	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)				LIMITING SPEED(RPM)		WEIGHT KG
	d	D	B	r	Open Dynamic C	Open Stactic Co	Shielded / Sealed Dynamic C	Shielded / Sealed Stactic Co	Grease Lube	Oil Lube	
5203	17	40	17.5	0.6	13.20	8.15	12.70	8.35	11000	14000	0.091
5204	20	47	20.6	1.0	19.70	12.60	16.00	10.80	8800	12000	0.120
5205	25	52	20.6	1.0	21.40	14.80	18.90	13.80	7700	10000	0.190
5206	30	62	23.8	1.0	29.70	21.30	25.40	18.30	6400	8600	0.290
5207	35	72	27	1.1	39.20	29.00	31.70	24.60	5500	7300	0.430
5208	40	80	30.2	1.1	44.40	33.60	36.50	29.10	5000	6700	0.570
5209	45	85	30.2	1.1	49.90	38.40	41.70	33.90	4600	6100	0.620
5210	50	90	30.2	1.1	53.30	43.60	44.10	37.90	4300	5600	0.670
5211	55	100	33.3	1.5	65.90	55.20	52.90	44.70	3800	5100	0.960
5212	60	110	36.5	1.5	74.40	60.80	62.60	55.90	3500	4700	1.360
5213	65	120	38.1	1.5	86.90	75.30	69.20	63.10	3200	4300	1.660
5214	70	125	39.7	1.5	94.50	82.60	76.30	70.30	3100	4100	1.810

Double Row Angular Contact Ball Bearings



BEARING NUMBER	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)				LIMITING SPEED(RPM)		WEIGHT KG
					Open		Shielded / Sealed		Grease Lube	Oil Lube	
	d	D	B	r	Dynamic C	Stactic Co	Dynamic C	Stactic Co			
5304	20	52	22.2	1.1	24.70	15.00	19.80	12.80	8300	11000	0.230
5305	25	62	25.4	1.1	32.70	20.80	27.50	18.50	6900	9200	0.340
5306	30	72	30.2	1.1	41.00	28.50	34.30	25.20	5800	7700	0.510
5307	35	80	34.9	1.5	51.20	36.20	46.10	32.80	5100	6800	0.790
5308	40	90	36.5	1.5	62.70	45.40	51.40	37.80	4600	6100	1.050
5309	45	100	39.7	1.5	75.10	55.70	68.90	51.40	4100	5500	1.420
5310	50	110	44.4	2.0	88.50	67.00	81.80	62.20	3600	4800	1.930
5311	55	120	49.2	2.0	110.00	85.10	95.70	74.30	3300	4500	2.300
5312	60	130	54	2.1	126.00	98.70	110.00	87.10	3100	4100	3.160
5313	65	140	58.7	2.1	142.00	113.00	142.00	113.00	2900	3900	3.910
5314	70	150	63.5	2.1	160.00	129.00	160.00	129.00	2700	3600	4.890
5315	75	160	68.3	2.1	174.00	147.00	174.00	147.00	2500	3300	5.970