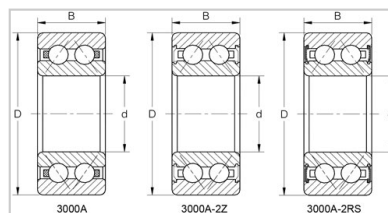


Angular Contact Ball Bearing

Double Row Angular Contact Ball Bearings



Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
10	26	12	3000A	5.5	3.2	18000	23000	0.022
10	26	12	3000A-2RS	5.5	3.2	18000	-	0.022
10	26	12	3000A-2Z	5.5	3.2	18000	-	0.022
10	30	14.3	3200A	7.5	4.3	16000	21000	0.05
10	30	14.3	3200A-2RS	7.5	4.3	16000	-	0.05
10	30	14.3	3200A-2Z	7.5	4.3	16000	-	0.05
12	28	12	3001A	6.1	3.7	17000	22000	0.025
12	28	12	3001A-2RS	6.1	3.7	17000	-	0.025
12	28	12	3001A-2Z	6.1	3.7	17000	-	0.025
12	32	15.9	3201A	9	4.9	14000	19000	0.058
12	32	15.9	3201A-2RS	9	4.9	14000	-	0.058
12	32	15.9	3201A-2Z	9	4.9	14000	-	0.058
15	32	13	3002A	8.5	5.4	14500	18000	0.036
15	32	13	3002A-2RS	8.5	5.4	14500	-	0.036
15	32	13	3002A-2Z	8.5	5.4	14500	-	0.036
15	35	15.9	3202A	10	6	11000	16000	0.066
15	35	15.9	3202A-2RS	10	6	11000	-	0.066
15	35	15.9	3202A-2Z	10	6	11000	-	0.066
15	42	19	3302A	14	8	10000	15000	0.13
15	42	19	3302A-2RS	14	8	10000	-	0.13

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
15	42	19	3302A-2Z	14	8	10000	-	0.13
17	35	14	3003A	9	6	12500	16000	0.042
17	35	14	3003A-2RS	9	6	12500	-	0.042
17	35	14	3003A-2Z	9	6	12500	-	0.042
17	40	17.5	3203A	12.7	7.8	9000	14000	0.096
17	40	17.5	3203A-2RS	12.7	7.8	9000	-	0.096
17	40	17.5	3203A-2Z	12.7	7.8	9000	-	0.096
17	47	22.2	3303A	17.3	10.4	8000	12000	0.18
17	47	22.2	3303A-2RS	17.3	10.4	8000	-	0.18
17	47	22.2	3303A-2Z	17.3	10.4	8000	-	0.18
20	32	10	3804A	4.9	3.9	13000	14300	0.02
20	32	10	3804A-2RS	4.9	3.9	13000	-	0.02
20	32	10	3804A-2Z	4.9	3.9	13000	-	0.02
20	37	13	3904A	9.3	6.6	12000	13200	0.046
20	37	13	3904A-2RS	9.3	6.6	12000	-	0.046
20	37	13	3904A-2Z	9.3	6.6	12000	-	0.046
20	42	16	3004A	14.2	9.6	11000	13000	0.08
20	42	16	3004A-2RS	14.2	9.6	11000	-	0.08
20	42	16	3004A-2Z	14.2	9.6	11000	-	0.08
20	47	20.6	3204A	19	12.1	8000	12000	0.16

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
20	47	20.6	3204A-2RS	19	12.1	8000	-	0.16
20	47	20.6	3204A-2Z	19	12.1	8000	-	0.16
20	52	22.2	3304A	19	12.3	8500	12000	0.22
20	52	22.2	3304A-2RS	19	12.3	8500	-	0.22
20	52	22.2	3304A-2Z	19	12.3	8500	-	0.22
25	37	10	3805A	5.5	4.9	11500	12700	0.025
25	37	10	3805A-2RS	5.5	4.9	11500	-	0.025
25	37	10	3805A-2Z	5.5	4.9	11500	-	0.025
25	42	13	3905A	9.6	7.5	11000	12300	0.062
25	42	13	3905A-2RS	9.6	7.5	11000	-	0.062
25	42	13	3905A-2Z	9.6	7.5	11000	-	0.062
25	47	16	3005A	15.2	11	9500	12000	0.1
25	47	16	3005A-2RS	15.2	11	9500	-	0.1
25	47	16	3005A-2Z	15.2	11	9500	-	0.1
25	52	20.6	3205A	20.6	13.9	7500	10000	0.19
25	52	20.6	3205A-2RS	20.6	13.9	7500	-	0.19
25	52	20.6	3205A-2Z	20.6	13.9	7500	-	0.19
25	62	25.4	3305A	27.6	17.8	7500	10000	0.367
25	62	25.4	3305A-2RS	27.6	17.8	7500	-	0.367
25	62	25.4	3305A-2Z	27.6	17.8	7500	-	0.367

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
30	42	10	3806A	5.7	5.6	10000	11500	0.03
30	42	10	3806A-2RS	5.7	5.6	10000	-	0.03
30	42	10	3806A-2Z	5.7	5.6	10000	-	0.03
30	47	13	3906A	9.9	8.3	9500	10500	0.095
30	47	13	3906A-2RS	9.9	8.3	9500	-	0.095
30	47	13	3906A-2Z	9.9	8.3	9500	-	0.095
30	55	19	3006A	20.3	15.5	8000	10000	0.16
30	55	19	3006A-2RS	20.3	15.5	8000	-	0.16
30	55	19	3006A-2Z	20.3	15.5	8000	-	0.16
30	62	23.8	3206A	25.7	18.5	6300	8500	0.31
30	62	23.8	3206A-2RS	25.7	18.5	6300	-	0.31
30	62	23.8	3206A-2Z	25.7	18.5	6300	-	0.31
30	72	30.2	3306A	37.2	25.9	6000	8000	0.59
30	72	30.2	3306A-2RS	37.2	25.9	6000	-	0.59
30	72	30.2	3306A-2Z	37.2	25.9	6000	-	0.59
35	47	10	3807A	6.1	6.2	8500	10000	0.035
35	47	10	3807A-2RS	6.1	6.2	8500	-	0.035
35	47	10	3807A-2Z	6.1	6.2	8500	-	0.035
35	55	15	3907A	12.9	11.3	8000	9500	0.138
35	55	15	3907A-2RS	12.9	11.3	8000	-	0.138

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
35	55	15	3907A-2Z	12.9	11.3	8000	-	0.138
35	62	20	3007A	24.2	20.4	6500	8500	0.24
35	62	20	3007A-2RS	24.2	20.4	6500	-	0.24
35	62	20	3007A-2Z	24.2	20.4	6500	-	0.24
35	72	27	3207A	30.4	23.5	5600	7500	0.51
35	72	27	3207A-2RS	30.4	23.5	5600	-	0.51
35	72	27	3207A-2Z	30.4	23.5	5600	-	0.51
35	80	34.9	3307A	46.1	35.3	5300	7000	0.82
35	80	34.9	3307A-2RS	46.1	35.3	5300	-	0.82
35	80	34.9	3307A-2Z	46.1	35.3	5300	-	0.82
40	52	10	3808A	6.4	6.9	7000	8500	0.04
40	52	10	3808A-2RS	6.4	6.9	7000	-	0.04
40	52	10	3808A-2Z	6.4	6.9	7000	-	0.04
40	62	16	3908A	17.4	15.8	6500	8000	0.158
40	62	16	3908A-2RS	17.4	15.8	6500	-	0.158
40	62	16	3908A-2Z	17.4	15.8	6500	-	0.158
40	68	21	3008A	24.5	20.8	6000	7800	0.279
40	68	21	3008A-2RS	24.5	20.8	6000	-	0.279
40	68	21	3008A-2Z	24.5	20.8	6000	-	0.279
40	80	30.2	3208A	40.8	30.2	5300	7000	0.64

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
40	80	30.2	3208A-2RS	40.8	30.2	5300	-	0.64
40	80	30.2	3208A-2Z	40.8	30.2	5300	-	0.64
40	90	36.5	3308A	54.9	40.1	4800	6300	1.06
40	90	36.5	3308A-2RS	54.9	40.1	4800	-	1.06
40	90	36.5	3308A-2Z	54.9	40.1	4800	-	1.06
45	58	10	3809A	6.7	7.7	6300	7000	0.055
45	58	10	3809A-2RS	6.7	7.7	6300	-	0.055
45	58	10	3809A-2Z	6.7	7.7	6300	-	0.055
45	68	16	3909A	17.9	17.2	6000	6800	0.183
45	68	16	3909A-2RS	17.9	17.2	6000	-	0.183
45	68	16	3909A-2Z	17.9	17.2	6000	-	0.183
45	75	23	3009A	39.3	36.4	5600	6200	0.364
45	75	23	3009A-2RS	39.3	36.4	5600	-	0.364
45	75	23	3009A-2Z	39.3	36.4	5600	-	0.364
45	85	30.2	3209A	42.8	34.5	4800	6300	0.72
45	85	30.2	3209A-2RS	42.8	34.5	4800	-	0.72
45	85	30.2	3209A-2Z	42.8	34.5	4800	-	0.72
45	100	39.7	3309A	72.1	52	4300	5600	1.24
45	100	39.7	3309A-2RS	72.1	52	4300	-	1.24
45	100	39.7	3309A-2Z	72.1	52	4300	-	1.24

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
50	65	12	3810A	7	8.4	6000	7500	0.075
50	65	12	3810A-2RS	7	8.4	6000	-	0.075
50	65	12	3810A-2Z	7	8.4	6000	-	0.075
50	72	16	3910A	19.1	19.6	5800	7200	0.189
50	72	16	3910A-2RS	19.1	19.6	5800	-	0.189
50	72	16	3910A-2Z	19.1	19.6	5800	-	0.189
50	80	23	3010A	42.3	41.9	5300	6600	0.395
50	80	23	3010A-2RS	42.3	41.9	5300	-	0.395
50	80	23	3010A-2Z	42.3	41.9	5300	-	0.395
50	90	30.2	3210A	43.2	35.3	4500	6000	0.78
50	90	30.2	3210A-2RS	43.2	35.3	4500	-	0.78
50	90	30.2	3210A-2Z	43.2	35.3	4500	-	0.78
50	110	44.4	3310A	84.9	62.6	4000	5300	1.96
50	110	44.4	3310A-2RS	84.9	62.6	4000	-	1.96
50	110	44.4	3310A-2Z	84.9	62.6	4000	-	1.96
55	72	13	3811A	12.8	14.4	5500	6500	0.01
55	72	13	3811A-2RS	12.8	14.4	5500	-	0.01
55	72	13	3811A-2Z	12.8	14.4	5500	-	0.01
55	80	19	3911A	20	21.7	5300	6200	0.282
55	80	19	3911A-2RS	20	21.7	5300	-	0.282

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
55	80	19	3911A-2Z	20	21.7	5300	-	0.282
55	90	26	3011A	43.7	44.7	4800	5800	0.581
55	90	26	3011A-2RS	43.7	44.7	4800	-	0.581
55	90	26	3011A-2Z	43.7	44.7	4800	-	0.581
55	100	33.3	3211A	53.9	47.2	4000	5300	1.03
55	100	33.3	3211A-2RS	53.9	47.2	4000	-	1.03
55	100	33.3	3211A-2Z	53.9	47.2	4000	-	1.03
55	120	49.2	3311A	106.3	82	3600	4800	2.4
55	120	49.2	3311A-2RS	106.3	82	3600	-	2.4
55	120	49.2	3311A-2Z	106.3	82	3600	-	2.4
60	78	14	3812A	13.6	16.2	5000	5500	0.14
60	78	14	3812A-2RS	13.6	16.2	5000	-	0.14
60	78	14	3812A-2Z	13.6	16.2	5000	-	0.14
60	85	19	3912A	21	23.8	4800	5300	0.303
60	85	19	3912A-2RS	21	23.8	4800	-	0.303
60	85	19	3912A-2Z	21	23.8	4800	-	0.303
60	95	26	3012A	47.2	53.4	4400	5000	0.621
60	95	26	3012A-2RS	47.2	53.4	4400	-	0.621
60	95	26	3012A-2Z	47.2	53.4	4400	-	0.621
60	110	36.5	3212A	61.3	52.6	3800	5000	1.4

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
60	110	36.5	3212A-2RS	61.3	52.6	3800	-	1.4
60	110	36.5	3212A-2Z	61.3	52.6	3800	-	1.4
60	130	54	3312A	121.4	95.1	3400	4500	3.24
60	130	54	3312A-2RS	121.4	95.1	3400	-	3.24
60	130	54	3312A-2Z	121.4	95.1	3400	-	3.24
65	85	15	3813A	15.1	18.3	4700	5200	0.182
65	85	15	3813A-2RS	15.1	18.3	4700	-	0.182
65	85	15	3813A-2Z	15.1	18.3	4700	-	0.182
65	90	19	3913A	21.4	24.8	4500	5000	0.324
65	90	19	3913A-2RS	21.4	24.8	4500	-	0.324
65	90	19	3913A-2Z	21.4	24.8	4500	-	0.324
65	100	26	3013A	49.5	59.2	4000	4800	0.661
65	100	26	3013A-2RS	49.5	59.2	4000	-	0.661
65	100	26	3013A-2Z	49.5	59.2	4000	-	0.661
65	120	38.1	3213A	73.4	66.6	3400	4500	1.84
65	120	38.1	3213A-2RS	73.4	66.6	3400	-	1.84
65	120	38.1	3213A-2Z	73.4	66.6	3400	-	1.84
65	140	58.7	3313A	137.5	109.6	2800	3700	3.9
65	140	58.7	3313A-2RS	137.5	109.6	2800	-	3.9
65	140	58.7	3313A-2Z	137.5	109.6	2800	-	3.9

Principal Dimensions			Designatio n	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
70	90	15	3814A	18	21.9	4400	4800	0.19
70	90	15	3814A-2RS	18	21.9	4400	-	0.19
70	90	15	3814A-2Z	18	21.9	4400	-	0.19
70	100	23	3914A	25.8	30	4000	4600	0.516
70	100	23	3914A-2RS	25.8	30	4000	-	0.516
70	100	23	3914A-2Z	25.8	30	4000	-	0.516
70	110	30	3014A	54.2	58.9	3600	4400	0.95
70	110	30	3014A-2RS	54.2	58.9	3600	-	0.95
70	110	30	3014A-2Z	54.2	58.9	3600	-	0.95
70	125	39.7	3214A	80.5	73.8	3200	4300	1.98
70	125	39.7	3214A-2RS	80.5	73.8	3200	-	1.98
70	125	39.7	3214A-2Z	80.5	73.8	3200	-	1.98
70	150	63.5	3314A	154.5	125.1	2800	3800	4.7
70	150	63.5	3314A-2RS	154.5	125.1	2800	-	4.7
70	150	63.5	3314A-2Z	154.5	125.1	2800	-	4.7
75	95	15	3815A	16	20.3	4200	4700	0.224
75	95	15	3815A-2RS	16	20.3	4200	-	0.224
75	95	15	3815A-2Z	16	20.3	4200	-	0.224
75	105	23	3915A	26	31.3	3800	4300	0.546
75	105	23	3915A-2RS	26	31.3	3800	-	0.546

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
75	105	23	3915A-2Z	26	31.3	3800	-	0.546
75	115	30	3015A	57.7	66.5	3400	4000	1.003
75	115	30	3015A-2RS	57.7	66.5	3400	-	1.003
75	115	30	3015A-2Z	57.7	66.5	3400	-	1.003
75	130	41.3	3215A	87.9	81.4	3000	3600	2.01
75	130	41.3	3215A-2RS	87.9	81.4	3000	-	2.01
75	130	41.3	3215A-2Z	87.9	81.4	3000	-	2.01
75	160	68.3	3315A	171.4	134.8	2600	3200	6.3
75	160	68.3	3315A-2RS	171.4	134.8	2600	-	6.3
75	160	68.3	3315A-2Z	171.4	134.8	2600	-	6.3
80	140	44.4	3216A	103.7	97.5	2800	3600	2.48
80	140	44.4	3216A-2RS	103.7	97.5	2800	-	2.48
80	140	44.4	3216A-2Z	103.7	97.5	2800	-	2.48
80	170	68.3	3316A	190.1	151.7	2400	3400	7.21
80	170	68.3	3316A-2RS	190.1	151.7	2400	-	7.21
80	170	68.3	3316A-2Z	190.1	151.7	2400	-	7.21
85	150	49.2	3217A	111.8	106.4	2400	3500	3.2
85	150	49.2	3217A-2RS	111.8	106.4	2400	-	3.2
85	150	49.2	3217A-2Z	111.8	106.4	2400	-	3.2
85	180	73	3317A	189.4	234.5	2200	3200	8.3

Principal Dimensions			Designation	Basic Load Ratings		Limited Speed		Weight ≈
d	D	B		Dynamic Cr	Static Cor	Grease	Oil	
85	180	73	3317A-2RS	189.4	234.5	2200	-	8.3
85	180	73	3317A-2Z	189.4	234.5	2200	-	8.3
90	160	52.4	3218A	111.8	106.4	2400	3200	4.5
90	160	52.4	3218A-2RS	111.8	106.4	2400	-	4.5
90	160	52.4	3218A-2Z	111.8	106.4	2400	-	4.5