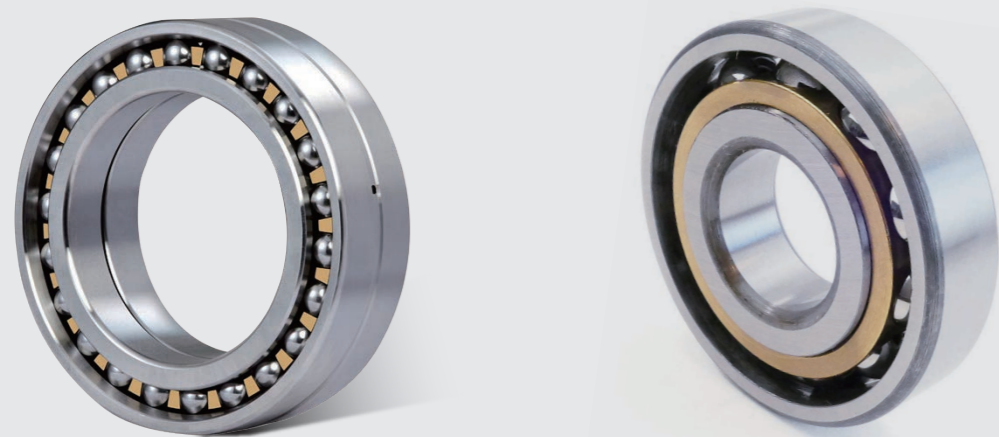


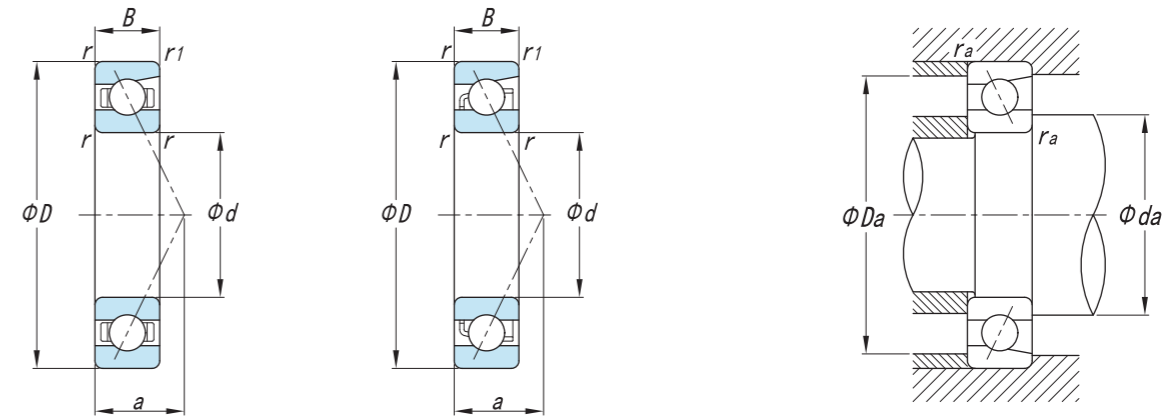
# 角接触球轴承 Angular Contact Ball Bearing



角接触轴承专为同时承受径向和轴向载荷设计，其轴向载荷能力随着接触角的增加而增大。其高精度的定位能力使其广泛用于需要精确定位的场合，如机床主轴、高速电机和精密仪器。角接触轴承的设计也使其适用于高速度、高精度的应用中，能够保证设备运行的稳定性和效率。

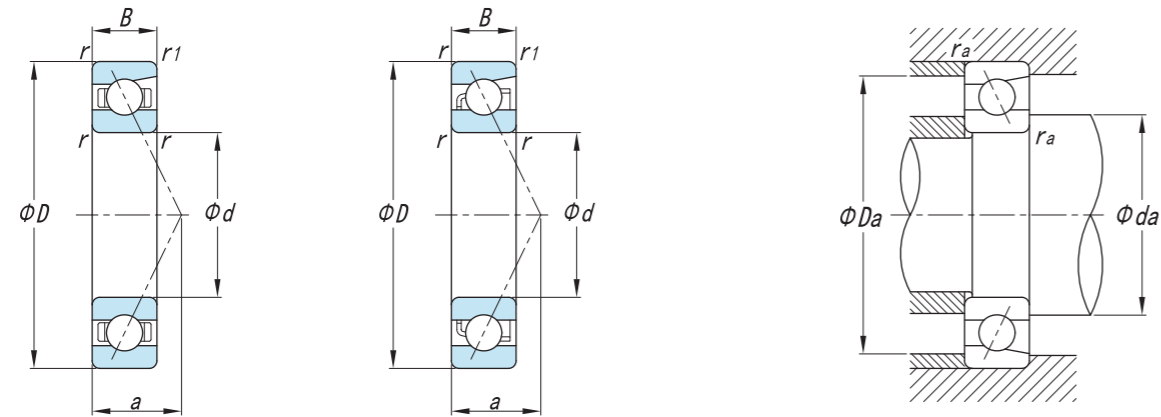
Angular contact bearings are specifically designed to simultaneously withstand radial and axial loads, with their axial load capacity increasing as the contact angle increases. Their high-precision positioning capability makes them widely used in applications requiring precise positioning, such as machine tool spindles, high-speed motors, and precision instruments. The design of angular contact bearings also makes them suitable for high-speed, high-precision applications, ensuring the stability and efficiency of equipment operation.

# 角接触球轴承 Angular Contact Ball Bearing



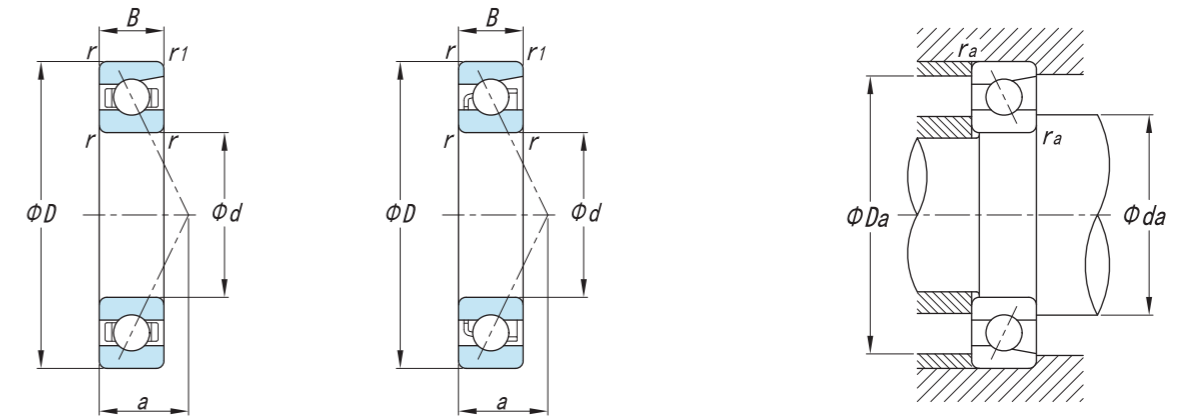
基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil		
60	95	18	1.1	0.6	35	30	27.1	7100	10000	7012AC	0.392
	110	22	1.5	0.6	55	43	30.8	6700	9000	7212AC	0.789
	110	22	1.5	0.6	55	45	22.4	9500	13000	7212C	0.786
	130	31	2.1	1.1	91	67	37.7	4800	6300	7312AC	1.80
	130	31	2.1	1.1	91	60	55.4	4300	5600	7312B	2.11
	150	35	2.1	1.1	130	95	42	3800	5000	7412AC	3.65
	150	35	2.1	1.1	92	86	61.6	3000	4000	7412B	3.42
65	100	18	1.1	0.6	33	31	28.2	6700	9500	7013AC	0.414
	100	18	1.1	0.6	33	34	28.2	5400	7600	7013ACJ	0.410
	100	18	1.1	0.6	33	31	28.2	6700	9500	7013AC	0.414
	120	23	1.5	0.6	70	59	23.9	9000	12000	7213C	1.02
	120	23	1.5	0.6	70	56	33.1	6000	8500	7213AC	1.16
	120	23	1.5	0.6	70	56	33.1	6000	8500	7213AC/YB5	1.02
	120	23	1.5	0.6	70	59	23.9	9000	12000	7213C	1.02
	140	33	2.1	1.1	114	88	30.2	8000	10000	7313C	2.60
	140	33	2.1	1.1	114	88	30.2	6400	8000	7313CJ	2.23
	140	33	2.1	1.1	114	88	30.2	8000	10000	7313C	2.60
	140	33	2.1	1.1	114	84	40.4	4300	6000	7313AC	2.61
	140	33	2.1	1.1	114	84	40.4	3400	4800	7313ACJ	2.24
	140	33	2.1	1.1	114	84	40.4	4300	6000	7313AC	2.24
	140	33	2.1	1.1	100	75	59.5	3800	5300	7313B	2.48
	140	33	2.1	1.1	114	84	40.4	3500	4800	B7313AC	2.61
	140	33	2.1	1.1	100	75	59.5	3800	5300	7313B	2.48
	160	37	2.1	1.1	125	97	65.7	2800	4300	7413BM	3.82
70	110	20	1.1	0.6	44	41	31	6300	8500	7014AC	0.626
	125	24	1.5	0.6	7	65	25.1	8500	11000	7214C	1.26
	125	24	1.5	0.6	75	62	34.7	5600	8000	7214AC	1.26

## 角接触球轴承 Angular Contact Ball Bearing



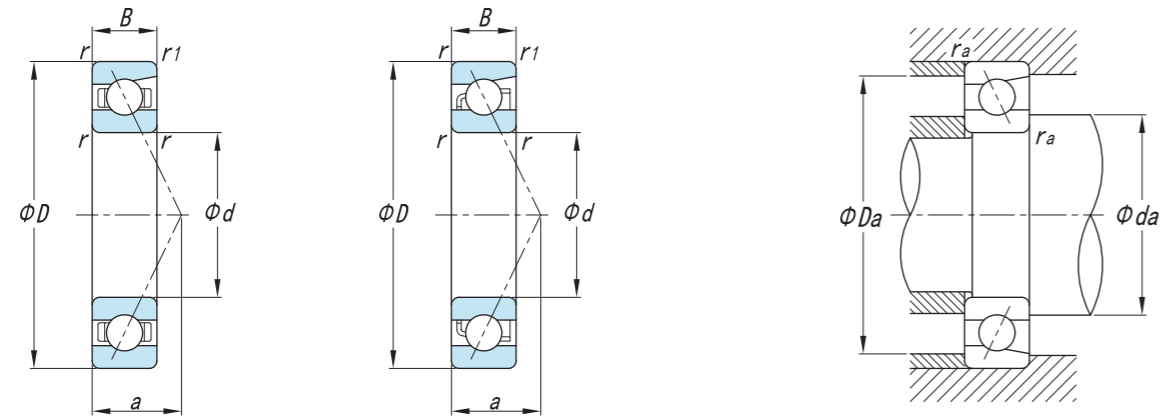
基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)	
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil			
70	125	24	1.5	0.6	75	65	25.1	6800	8800	B7214C	1.16	
	125	24	1.5	0.6	75	54	52.9	4000	5600	7214B	1.27	
	150	35	2.1	1.1	125	100	32.2	6500	8000	7314C	3.01	
	150	35	2.1	1.1	125	96	43.2	4000	5300	7314AC	3.01	
	150	35	2.1	1.1	125	86	63.7	3200	4200	7314B	2.85	
	180	42	3	1.1	160	131	50.1	3600	5000	7414AC	5.22	
	180	42	3	1.1	160	131	50.1	2900	4000	7414ACJ	4.86	
	75	130	25	1.5	0.6	79	67	36.4	5600	7500	7215AC	1.29
130		25	1.5	0.6	79	67	36.4	4480	6000	7215ACJ	1.18	
160		37	2.1	1.1	140	113	34.2	5800	7000	7315C	3.57	
160		37	2.1	1.1	140	113	34.2	4800	5600	7315CJ	3.10	
160		37	2.1	1.1	130	109	45.9	3800	5000	7315AC	3.57	
160		37	2.1	1.1	130	109	45.9	3800	5000	7315ACQ1	3.52	
160		37	2.1	1.1	140	111	67.8	3400	4800	7315B	3.64	
160		37	2.1	1.1	130	109	45.9	3400	4800	7315ACJ	3.10	
160		37	2.1	1.1	130	109	45.9	3800	5000	7315AC	3.57	
190		45	3	1.1	122	130	78.2	2400	3800	7415B	6.80	
80		125	22	1.1	0.6	55	53	34.9	4500	6000	7016ACJ	0.849
		125	22	1.1	0.6	55	53	34.9	5600	7500	7016AC	0.983
	140	26	2	1	93	83	27.7	7500	10000	7216C	1.74	
	140	26	2	1	93	79	38.7	5000	7100	7216AC	1.73	
	140	26	2	1	93	83	27.7	6000	8000	B7216C	1.47	
	140	26	2	1	93	79	38.7	5000	7100	7216AC	1.73	
	170	39	2.1	1.1	150	122	48.7	3600	4800	7316AC	4.21	
	170	39	2.1	1.1	150	122	48.7	2800	3800	7316ACJ	3.88	
	170	39	2.1	1.1	150	122	48.7	3600	4800	7316AC	3.59	
	170	39	2.1	1.1	150	109	71.9	3400	4500	7316B	4.25	

## 角接触球轴承 Angular Contact Ball Bearing



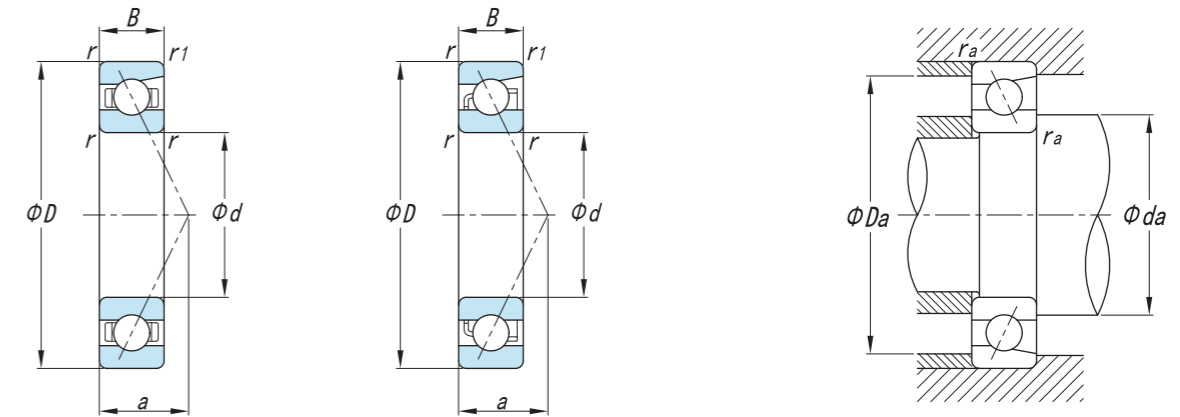
基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil		
80	200	48	3	1.1	190	169	56.7	2600	3800	7416AC	8.60
	200	48	3	1.1	190	169	56.7	2100	3000	7416ACJ	7.22
85	130	22	1.1	0.6	57	56	36.1	5300	7100	7017AC	1.12
	130	22	1.1	0.6	57	56	36.1	5300	7100	7017ACJ	0.95
	150	28	2	1	100	90	29.7	6700	9500	7217C	1.72
	150	28	2	1	100	90	29.7	5400	7600	7217CJ	1.96
	150	28	2	1	100	86	41.4	4800	6700	7217AC	1.72
	150	28	2	1	100	86	41.4	3800	5400	7217ACJ	1.97
	150	28	2	1	100	75	63.4	3600	4800	7217B	2.23
	180	41	3	1.1	160	137	51.4	3400	4500	7317AC	4.99
180	41	3	1.1	140	122	76.1	3000	4000	7317B	4.98	
90	140	24	1.5	0.6	65	66	38.8	4800	6700	7018AC	1.39
	140	24	1.5	0.6	65	57	38.8	4300	6200	7018B	1.43
	160	30	2	1	120	105	31.7	6300	9000	7218C	2.47
	160	30	2	1	110	105	31.7	6300	9000	7218C	2.09
	160	30	2	1	110	100	44.1	4500	6000	7218AC	2.35
	160	30	2	1	110	100	44.1	3600	4800	7218ACJ	2.16
	160	30	2	1	110	100	44.1	4500	6000	7218AC	2.35
	160	30	2	1	110	88	67.4	3200	4300	7218B	3.38
	190	43	3	1.1	141	158	40.3	5200	6300	7318C	5.79
	190	43	3	1.1	135	152	54.1	3200	4300	7318AC	4.18
	190	43	3	1.1	140	135	80.2	2800	3800	7318B	5.26
	190	43	3	1.1	132	145	40.3	4200	8800	B7318C	4.90
	190	43	3	1.1	140	135	80.2	2800	3800	7318B	5.26
	225	54	4	1.5	230	214	63.8	2900	4000	7418AC	11.5
95	145	24	2.1	1.1	53.5	69	39.9	5600	7600	7019AC	1.44

## 角接触球轴承 Angular Contact Ball Bearing



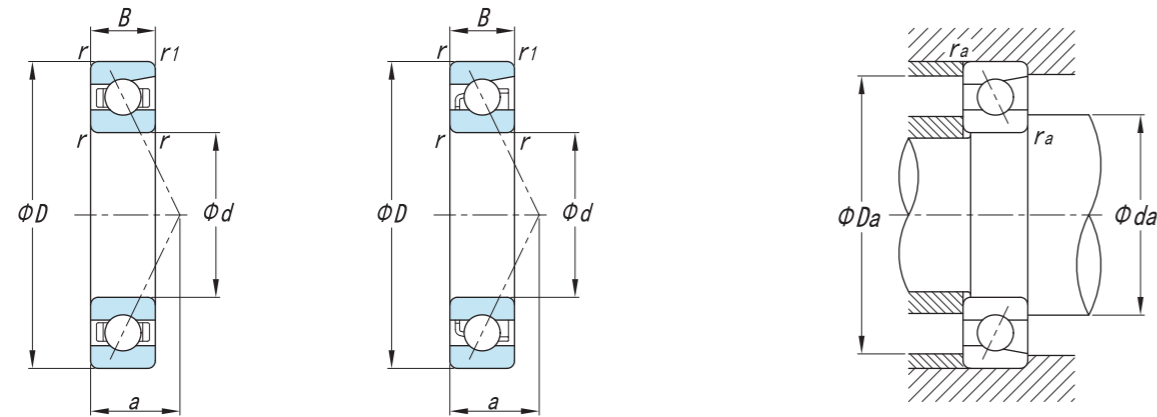
基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil		
95	170	32	2.1	1.1	135	120	33.8	6000	8500	7219C	3.20
	170	32	2.1	1.1	135	120	33.8	4800	6800	7219CJ	2.76
	170	32	2.1	2.1	130	114	46.9	4300	5600	7219AC	2.97
	170	32	2.1	1.1	130	114	46.9	3400	4500	7219ACJ	2.76
	170	32	2.1	1.1	110	101	71.7	3000	4000	7219B	3.00
	200	45	3	1.1	190	174	42.3	5000	6000	7319C	6.67
200	45	3	1.1	180	167	56.9	3000	4000	7319AC	4.67	
100	150	24	1.5	0.6	76	77	41.2	4500	6000	7020AC	1.25
	180	34	2.1	1.1	140	136	35.8	5600	8000	7220C	3.71
	180	34	2.1	1.1	140	130	49.6	4000	5300	7220AC	3.74
	180	34	2.1	1.1	150	114	75.7	2800	3800	7220B	4.20
	215	47	3	1.1	210	199	60.2	2800	3800	7320AC	9.50
	215	47	3	1.1	185	177	89.6	2400	3400	7320B	8.41
215	47	3	1.1	185	177	89.6	1900	2700	7320BJ	7.29	
105	225	49	3	1.1	200	193	93.7	2400	3200	7321B	9.51
110	170	28	2	1	98	101	46.6	3200	4200	7022ACJ	1.90
	170	28	2	1	98	101	47	3200	4200	B7022AC	2.03
	170	28	2	1	98	101	46.7	4000	5300	7022AC	2.41
	175	30	1.1	0.7	100	104	46.7	3200	4200	46722J	2.38
	200	38	2.1	1.1	180	171	39.8	5000	7100	7222C	5.03
	200	38	2.1	1.1	180	171	39.8	4000	5700	7222CJ	4.14
	200	38	2.1	1.1	180	171	39.8	5000	7100	7222C	5.03
	200	38	2.1	1.1	175	164	55.1	3600	4800	7222AC	5.15
	200	38	2.1	1.1	170	164	55.1	3600	4800	7222AC	4.07
	200	38	2.1	1.1	170	164	55.1	2900	3800	7222ACJ	4.14
	200	38	2.1	1.1	170	164	84	2600	3400	7222B	3.95

## 角接触球轴承 Angular Contact Ball Bearing



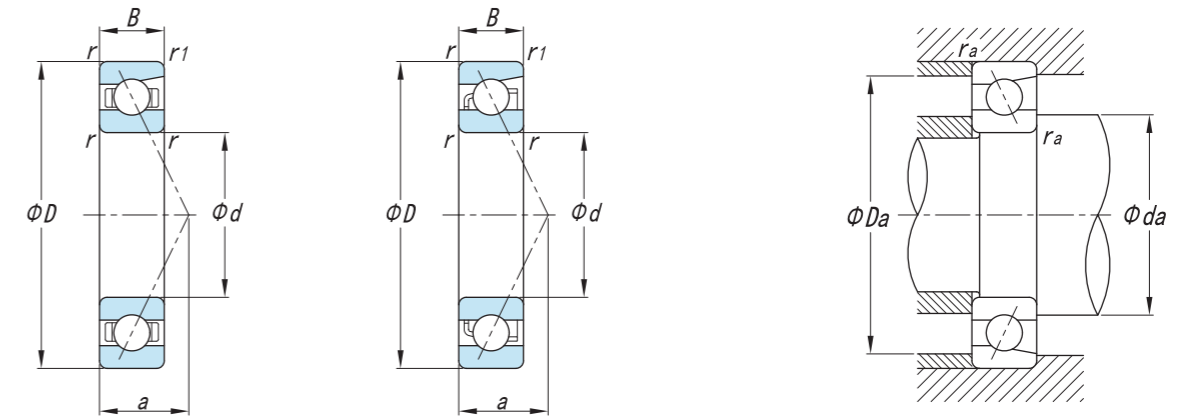
基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil		
110	240	50	3	1.1	230	231	65.8	2600	3400	7322AC	9.97
	240	50	3	1.1	210	212	99.3	2200	3000	7322B	11.5
	240	50	3	1.1	210	200	99.3	1800	2400	7322BJ	11.8
	240	50	3	1.1	210	212	99.2	1800	2400	B7322BQ1	11.4
120	180	28	2	1	100	107	49	3600	5000	7024AC	2.54
	215	40	2.1	1.1	190	184	59.4	3200	4500	7224AC	7.15
	215	40	2.1	1.3	240	184	59	2600	3600	B7224ACQ1	6.45
	260	55	3	1.1	250	262	107.2	1600	2200	7324B	14.6
	260	55	3	1.1	270	288	52.9	3400	4000	B7324C	14.2
	260	55	3	1.1	265	277	71.8	1800	2400	B7324AC	14.2
	260	55	3	1.1	265	277	71.8	1800	2400	B7324ACQ1	14.0
	260	55	3	1.1	260	269	71.8	2200	3000	7324AC	13.7
130	200	33	2	1	190	200	55	5400	6800	7026AC	3.91
	200	33	2	1	125	137	38.6	5400	6500	7026C	3.33
	230	40	3	1.1	190	209	44.1	4400	5200	7226C	7.28
	230	40	3	1.1	190	200	62	2400	3200	7226AC	7.26
	230	40	3	1.1	190	200	62	1900	2600	7226ACJ	6.23
	230	40	3	1.1	190	175	95.5	2200	3000	7226B	7.56
	230	40	3	1.5	190	200	62	1800	2400	7226AC	17.9
	280	58	4	1	250	268	115.1	1800	2400	7326B	17.9
	280	58	2	1	280	300	76.8	1800	2400	7326AC	18.0
	140	210	33	2	1	120	137	57.3	3200	4300	7028AC
210		33	2	1.1	120	137	57.3	3200	4300	7028AC	4.14
250		42	3	1.1	230	243	47.1	4200	5000	7228C	8.83
250		62	3	1.1	270	310	78	2200	3000	7328AC	9.50
250		42	3	1.1	220	237	66.5	2200	3000	7228AC	9.54

## 角接触球轴承 Angular Contact Ball Bearing



基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil		
<b>140</b>	250	42	3	1.1	215	235	68.5	2200	3000	B7228ACQ1	8.70
	250	42	3	1.1	215	235	68.5	2200	3000	B7228AC	9.50
	250	42	3	1.5	190	207	102.9	2000	2800	7228B	8.59
	300	62	4	1.5	275	308	123.2	1600	2200	7328B	21.2
<b>150</b>	225	35	2.1	1.1	150	170	61.2	2400	3000	7030AC	4.80
	270	45	3	1.1	240	268	71.5	2000	2800	7230AC	10.9
	270	45	3	1.1	220	254	71.4	1600	2200	B7230AC	10.6
	270	45	3	1.1	195	224	111	1700	2400	7230BG	14.0
	320	65	4	1.5	355	429	87.6	1800	2400	7330AC	25.8
	320	65	4	1.5	315	380	87.3	2300	2000	7330B	26.2
<b>160</b>	240	38	2.1	1.1	160	183	65.6	1800	2200	B7032ACQ1	5.74
	240	38	2.1	1.1	160	183	65.6	1800	2200	B7032AC	5.81
	240	38	2.1	1.1	160	183	65.6	1800	2200	7032AC	5.81
	290	48	3	1.1	260	304	54.1	2900	3600	7232C	14.5
	290	48	3	1.1	250	289	76.5	1900	2600	7232AC	14.5
	340	68	4	1.5	330	409	138.9	1200	1600	7332B	30.8
	340	68	4	1.5	350	450	92.3	1200	1600	7332AC	31.5
	400	88	4	1.5	440	580	161	1000	1500	7432B	59.7
<b>170</b>	260	42	2.1	1.1	195	227	71.7	2000	2600	7034ACQ1	8.27
	260	42	2.1	1.1	195	227	71.7	2000	2600	7034AC	7.95
	310	52	4	1.5	320	389	58.2	2800	3400	7234C	17.2
	310	52	4	1.5	300	371	82	1800	2400	7234AC	17.2
	310	52	4	1.5	280	343	82	1500	1900	B7234AC	17.4
<b>180</b>	320	52	4	1.5	320	400	130.9	1500	1900	7236B	19.5
	320	52	4	1.5	320	400	59.5	2700	3200	7236C	19.3

## 角接触球轴承 Angular Contact Ball Bearing



基本尺寸 Principal Dimensions (mm)					基本额定负荷 Basic Load Ratings (kN)		作用点 Function Point (kN)	极限转速 Limit Speed (r/min)		现代号 New code	重量 Mass (kg)
d	D	B	r <sub>min</sub>	r <sub>1min</sub>	C <sub>r</sub>	C <sub>or</sub>		Grease	Oil		
<b>180</b>	320	52	4	1.5	310	399	84.3	1700	2200	7236AC	17.9
	380	75	4	1.5	450	600	155	1300	1800	7336B	37.0
<b>190</b>	290	46	2.1	1.1	210	263	79	1800	2400	7038AC	10.7
	340	55	4	1.5	276	430	89.3	1400	1800	7238AC	22.4
<b>200</b>	310	51	2.1	1.1	260	331	85	1700	2200	7040AC	14.9
	360	58	4	1.5	360	487	66.5	2500	3000	7240C	25.2
	360	58	4	1.5	340	462	94.3	1500	2000	7240AC	26.7
	360	58	4	1.5	305	417	146.5	1300	1800	7240B	25.8
<b>220</b>	400	65	4	1.5	420	605	104.7	1100	1600	7244AC	36.1
<b>240</b>	360	56	4	1.5	300	480	95.6	1000	1500	7048AC	49.0
	320	48	2.1	1.1	180	250	89.3	1000	1500	72948AC	10.0
	440	72	4	1.5	415	626	178.5	1000	1500	7248B	50.9
	320	38	2.1	1.1	130	220	56.5	900	1400	71948C/P5	8.32
<b>260</b>	360	46	2.1	1.1	260	380	95.3	900	1400	71952AC	13.8
	360	46	2.1	1.1	260	380	153	800	1300	71952B	14.1
	480	90	2.1	1.5	490	825	313	600	1000	71252AC	72.4
<b>280</b>	380	46	2.1	1.1	265	405	99.9	800	1300	71956AC	15.7
<b>285</b>	380	46	2.1	1.1	245	366	119	800	1200	B71957	14.7
<b>300</b>	540	85	2.1	1.3	420	730	218	700	1000	7260B	87.8
<b>360</b>	540	82	5	1.3	530	965	101.3	600	1000	7072C	65.3
<b>380</b>	520	65	4	1.5	350	630	221.4	500	800	71976B	42.1
<b>750</b>	920	78	5	2.1	620	1800	237	370	450	718/750A	110