

bearing type symbol : 7—angular contact ball bearing ; H7-High speed angular contact ball bearing

dimension series : 19—19 series ; 0—0 series ; 2—2 series

bore symbol : bore symbol×5=bearing bore diameter

inner structure symbol : C—15°contact angle ; AC—25°contact angle; D—18° contact angle

Seal symbol : No symbol-open type; 2RZ-Tow sides of the bearing with non contact; frame-rubber seals

cage symbol : TA—outer ring guided phenolic resin cage ; TN—polyimide cage

material of rolling element symbol : No symbol-carbon chromium steel ; HQ1—ceramic

accuracy symbol : P5—ISO5(ABEC5) ; P4—ISO4(ABEC7) ; P2—ISO2(ABEC9)

arrangement symbol : G-Arrangement in any combination ; DB—two bearings arranged back-to-back ;

DF—two bearings arranged face-to-face

DT—two bearings arranged in tandem TBT, TFT, TT three bearings in arrangement

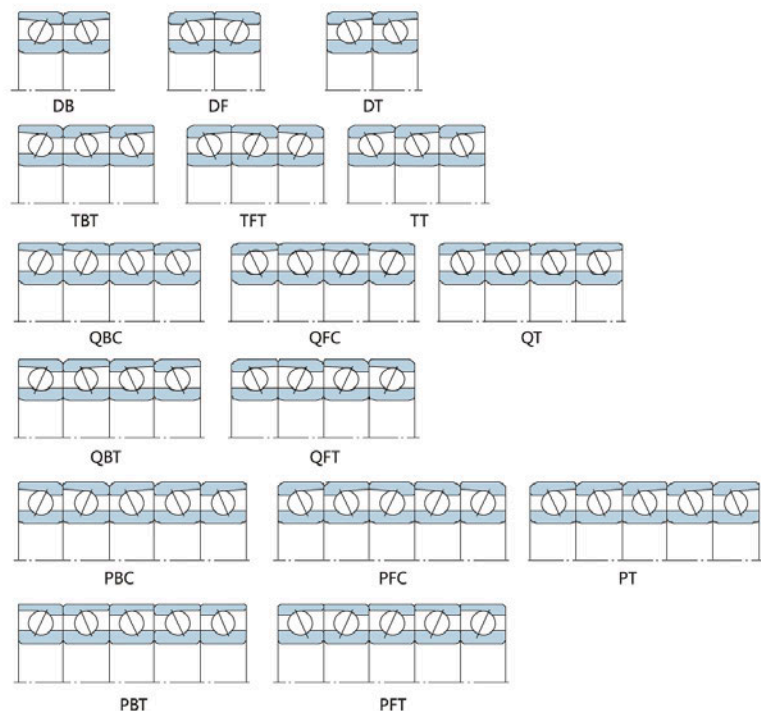
QBC, QFC, QT, QBT, QFT four bearings in arrangement

PBC, PFC, PT, PBT, PFT five bearings in arrangement

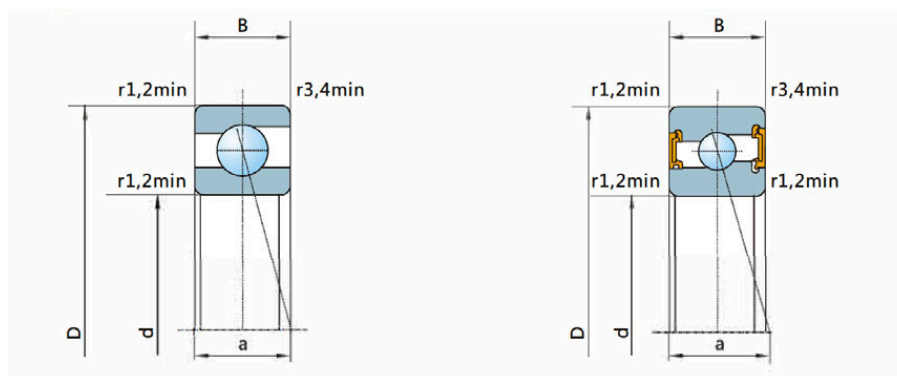
preload symbol : A—light preload ; B—medium preload ; C—heavy preload.

Matching type

For types and datas of precision bearings, please refer to the precision bearing catalogue.

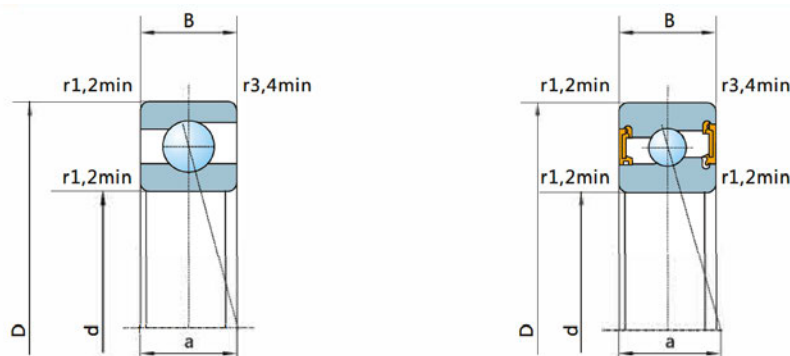


HIGH PRECISION ANGULAR CONTACT BALL BEARING



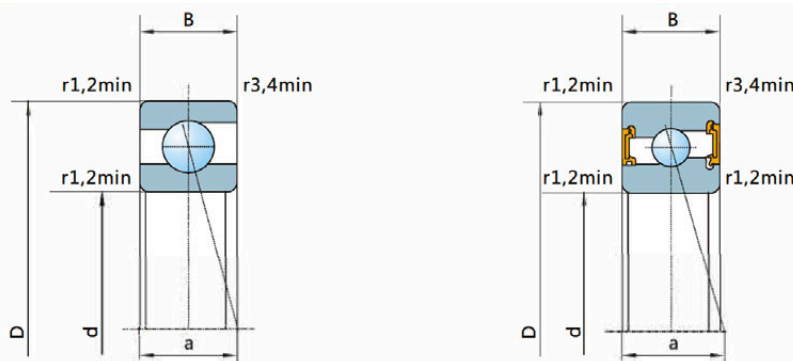
d	D	B	r1,r2	r3,r4	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
					Cr	Cor		Oil lubrication	Grease lubrication		
mm			min	min	KN	KN					
10	22	6	0.3	0.15	2.83	1.38	5.1	110000	71000	0.009	B71900 C TP4S UL
	22	6	0.3	0.15	2.8	1.36	5.6	106000	68500	0.009	71900DTA
	22	6	0.3	0.15	2.7	1.31	6.7	100000	65000	0.009	B71900 E TP4S UL
	26	8	0.3	0.15	4.48	2.28	6.4	98000	65000	0.02	B7000 C TP4S UL
	26	8	0.3	0.15	4.44	2.26	6.9	94000	62000	0.02	7000DTA
	26	8	0.3	0.15	4.3	2.2	8.2	87000	58000	0.02	B7000 E TP4S UL
	30	9	0.6	0.3	6.42	2.94	7.2	87000	59000	0.03	B7200 C TP4S UL
12	30	9	0.6	0.3	6.22	2.85	9.2	78000	53000	0.03	B7200 E TP4S UL
	24	6	0.3	0.15	3.36	1.86	5.4	100000	65000	0.011	B71901 C TP4S UL
	24	6	0.3	0.15	3.32	1.84	5.9	96000	62000	0.011	71901DTA
	24	6	0.3	0.15	3.2	1.77	7.2	89000	57000	0.011	B71901 E TP4S UL
	28	8	0.3	0.15	5.8	2.9	6.7	88000	58000	0.02	B7001 C TP4S UL
	28	8	0.3	0.15	5.75	5.87	7.2	85000	55500	0.02	7001DTA
	28	8	0.3	0.15	5.58	2.79	8.7	78000	52000	0.02	B7001 E TP4S UL
15	32	10	0.6	0.3	7.07	3.46	7.9	80000	54000	0.037	B7201 C TP4S UL
	32	10	0.6	0.3	6.82	3.33	10.1	71000	48000	0.037	B7201 E TP4S UL
	28	7	0.3	0.1	4.76	2.64	6.4	85000	56000	0.015	B71902 C TP4S UL
	28	7	0.3	0.1	4.71	2.61	7	82000	53500	0.015	71902DTA
	28	7	0.3	0.1	4.54	2.53	8.5	75000	50000	0.015	B71902 E TP4S UL
	32	9	0.3	0.1	6.62	3.7	7.6	75000	50000	0.028	B7002 C TP4S UL
	32	9	0.3	0.1	6.55	3.66	8.3	72000	48000	0.028	7002DTA
17	32	9	0.3	0.1	6.33	3.53	10	67000	45000	0.028	B7002 E TP4S UL
	35	11	0.6	0.3	8.68	4.56	8.9	70000	48000	0.043	B7202 C TP4S UL
	35	11	0.6	0.3	8.35	4.39	11.4	63000	43000	0.043	B7202 E TP4S UL
	30	7	0.3	0.1	5	2.94	6.6	75000	50000	0.017	B71903 C TP4S UL
	30	7	0.3	0.1	4.95	2.9	7.3	72000	48000	0.017	71903DTA
	30	7	0.3	0.1	4.77	2.8	9	67000	45000	0.017	B71903 E TP4S UL
	35	10	0.3	0.1	6.97	4.12	8.5	70000	48000	0.037	B7003 C TP4S UL
20	35	10	0.3	0.1	6.89	4.09	9.2	67000	45000	0.037	7003DTA
	35	10	0.3	0.1	6.65	3.95	11.1	60000	40000	0.037	B7003 E TP4S UL
	40	12	0.6	0.3	10.88	5.87	9.9	63000	43000	0.062	B7203 C TP4S UL
	40	12	0.6	0.3	10.46	5.64	12.8	56000	38000	0.062	B7203 E TP4S UL
	37	9	0.3	0.15	7.3	4.56	8.3	63000	43000	0.035	B71904 C TP4S UL
	37	9	0.3	0.15	7.21	4.51	9.1	61000	41500	0.035	71904DTA
	37	9	0.3	0.15	6.94	4.36	11.1	56000	38000	0.035	B71904 E TP4S UL
25	42	12	0.6	0.3	11.1	6.56	10.2	56000	38000	0.065	B7004 C TP4S UL
	42	12	0.6	0.3	11	6.49	11	52000	36500	0.065	7004DTA
	42	12	0.6	0.3	10.6	6.27	13.2	50000	34000	0.065	B7004 E TP4S UL
	47	14	1	0.3	15.6	9	11.6	53000	36000	0.1	B7204 C TP4S UL
	47	14	1	0.3	15	8.63	15	48000	32000	0.1	B7204 E TP4S UL
	42	9	0.3	0.15	7.84	5.42	9	53000	36000	0.042	B71905 C TP4S UL
	42	9	0.3	0.15	7.74	5.35	9.9	51500	35000	0.042	71905DTA
30	42	9	0.3	0.15	7.43	5.14	12.3	48000	32000	0.042	B71905 E TP4S UL
	47	12	0.6	0.3	12.3	8.01	10.8	50000	34000	0.075	B7005 C TP4S UL
	47	12	0.6	0.3	12.1	7.92	11.8	47500	32000	0.075	7005DTA
	47	12	0.6	0.3	10.8	11.7	7.6	43000	28000	0.075	B7005 E TP4S UL
	52	15	1	0.3	16.6	10.3	12.7	45000	30000	0.14	B7205 C TP4S UL
	52	15	1	0.3	15.9	9.8	16.6	40000	26000	0.14	B7205 E TP4S UL
	47	9	0.3	0.15	8.31	6.27	9.7	45000	30000	0.048	B71906 C TP4S UL
30	47	9	0.3	0.15	8.2	6.19	10.8	43500	29000	0.048	71906DTA
	47	9	0.3	0.15	7.86	5.94	13.5	40000	26000	0.048	B71906 E TP4S UL
	55	13	1	0.3	15.8	11	12.3	43000	28000	0.11	B7006 C TP4S UL

HIGH PRECISION ANGULAR CONTACT BALL BEARING



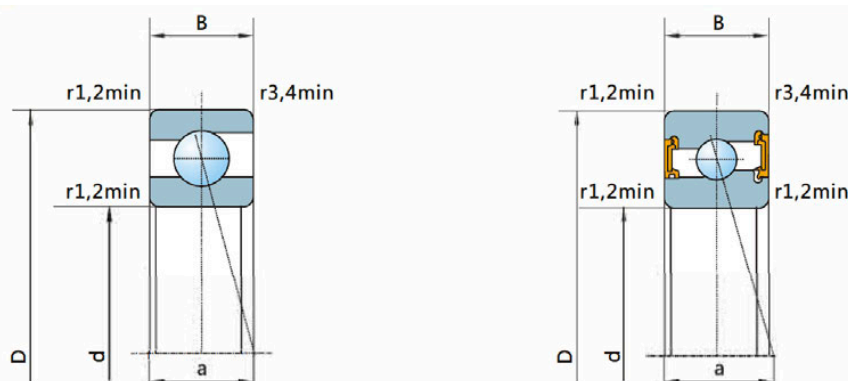
d	D	B	r1,r2	r3,r4	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
					Cr	Cor		Oil lubrication	Grease lubrication		
mm			min	min	KN	KN					
30	55	13	1	0.3	15.7	10.9	13.5	41500	27000	0.11	7006DTA
	55	13	1	0.3	15.1	10.5	16.5	38000	24000	0.11	B7006 E TP4S UL
	62	16	1	0.3	23	14.8	14.2	38000	24000	0.19	B7206 C TP4S UL
	62	16	1	0.3	22	14.1	18.8	34000	20000	0.19	B7206 E TP4S UL
35	55	10	0.6	0.15	11.36	9.01	11	40000	26000	0.074	B71907 C TP4S UL
	55	10	0.6	0.15	11.21	8.9	12.3	38500	25000	0.074	71907DTA
	55	10	0.6	0.15	10.74	8.53	15.5	36000	22000	0.074	B71907 E TP4S UL
	62	14	1	0.3	19.1	13.65	13.5	36000	22000	0.15	B7007 C TP4S UL
	62	14	1	0.3	18.9	13.5	14.9	35000	21000	0.15	7007DTA
	62	14	1	0.3	18.2	13.1	18.3	32000	19000	0.15	B7007 E TP4S UL
	72	17	1.1	0.3	30.4	20	15.7	34000	20000	0.28	B7207 C TP4S UL
	72	17	1.1	0.3	29.1	19.1	21	30000	18000	0.28	B7207 E TP4S UL
40	62	12	0.6	0.15	14.47	11.76	12.8	34000	20000	0.11	B71908 C TP4S UL
	62	12	0.6	0.15	14.28	11.61	14.3	33000	19500	0.11	71908DTA
	62	12	0.6	0.15	13.68	11.14	17.9	30000	18000	0.11	B71908 E TP4S UL
	68	15	1	0.3	20.6	15.9	14.7	32000	19000	0.19	B7008 C TP4S UL
	68	15	1	0.3	20.3	15.7	16.3	31500	18500	0.19	7008DTA
	68	15	1	0.3	19.5	15.1	20.1	30000	18000	0.19	B7008 E TP4S UL
	80	18	1.1	0.6	36.3	25.2	17	30000	18000	0.36	B7208 C TP4S UL
	80	18	1.1	0.6	34.7	24.1	23	26000	16000	0.36	B7208 E TP4S UL
45	68	12	0.6	0.15	15.18	13.2	13.6	32000	19000	0.13	B71909 C TP4S UL
	68	12	0.6	0.15	14.98	13.04	15.2	31000	18500	0.13	71909DTA
	68	12	0.6	0.15	14.33	12.54	19.2	28000	17000	0.13	B71909 E TP4S UL
	75	16	1	0.3	24.4	19.3	16	30000	18000	0.23	B7009 C TP4S UL
	75	16	1	0.3	24.1	19	17.7	29000	17500	0.23	7009DTA
	75	16	1	0.3	23.1	18.3	22	26000	16000	0.23	B7009 E TP4S UL
	85	19	1.1	0.6	38.1	27.9	18.3	28000	17000	0.41	B7209 C TP4S UL
	85	19	1.1	0.6	36.3	26.7	24.9	24000	15000	0.41	B7209 E TP4S UL
50	72	12	0.6	0.15	14.95	13.4	14.2	28000	17000	0.15	B71910 C TP4S UL
	72	12	0.6	0.15	14.74	13.22	15.9	27500	16700	0.15	71910DTA
	72	12	0.6	0.15	14.1	12.62	20.2	26000	16000	0.15	B71910 E TP4S UL
	80	16	1	0.3	26	21.8	16.7	28000	17000	0.25	B7010 C TP4S UL
	80	16	1	0.3	25.6	21.6	18.6	27000	16500	0.25	7010DTA
	80	16	1	0.3	24.6	20.8	23.2	24000	15000	0.25	B7010 E TP4S UL
	90	20	1.1	0.6	42.8	31.7	19.4	26000	16000	0.46	B7210 C TP4S UL
	90	20	1.1	0.6	40.8	30.3	26.3	22000	14000	0.46	B7210 E TP4S UL
55	80	13	1	0.3	22.9	20.5	15.5	26000	16000	0.18	B71911 C TP4S UL
	80	13	1	0.3	22.6	20.2	17.5	25500	15700	0.18	71911DTA
	80	13	1	0.3	21.6	19.4	22.2	24000	15000	0.18	B71911 E TP4S UL
	90	18	1.1	0.6	34.1	28.6	18.7	24000	15000	0.37	B7011 C TP4S UL
	90	18	1.1	0.6	33.7	28.2	20.8	23500	14700	0.37	7011DTA
	90	18	1.1	0.6	32.4	27.2	25.9	22000	14000	0.37	B7011 E TP4S UL
	100	21	1.5	0.6	52.9	39.9	20.9	22000	14000	0.61	B7211 C TP4S UL
	100	21	1.5	0.6	50.5	38.2	28.6	20000	13000	0.61	B7211 E TP4S UL
60	85	13	1	0.3	24	22.7	16.2	24000	15000	0.19	B71912 C TP4S UL
	85	13	1		23.6	22.4	18.3	23500	14700	0.19	71912DTA
	85	13	1	0.3	22.6	21.6	23.4	22000	14000	0.19	B71912 E TP4S UL
	95	18	1.1	0.6	35	20.6	19.4	22000	14000	0.4	B7012 C TP4S UL
	95	18	1.1	0.6	34.6	30.2	21.6	21500	13700	0.4	7012DTA
	95	18	1.1	0.6	33.2	29.1	27.1	20000	13000	0.4	B7012 E TP4S UL
	110	22	1.5	0.6	58.3	45.1	22.4	20000	13000	0.8	B7212 C TP4S UL
	110	22	1.5	0.6	55.6	43	30.8	18000	11000	0.8	B7212 E TP4S UL

HIGH PRECISION ANGULAR CONTACT BALL BEARING



d	D	B	r1,r2	r3,r4	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
					Cr	Cor		Oil lubrication	Grease lubrication		
mm			min	min	KN	KN					
65	90	13	1	0.3	24.3	24	16.9	22000	14000	0.21	B71913 C TP4S UL
	90	13	1	0.3	24	23.6	19.1	21500	13700	0.21	71913DTA
	90	13	1	0.3	23	22.6	24.6	20000	13000	0.21	B71913 E TP4S UL
	100	18	1.1	0.6	40.1	35.4	20.1	22000	14000	0.42	B7013 C TP4S UL
	100	18	1.1	0.6	39.6	34.9	22.4	21000	13400	0.42	7013DTA
	100	18	1.1	0.6	38	33.7	28.2	19000	12000	0.42	B7013 E TP4S UL
	120	23	1.5	0.6	69.8	54.8	23.9	19000	12000	1	B7213 C TP4S UL
	120	23	1.5	0.6	66.6	52.3	33.1	17000	10000	1	B7213 E TP4S UL
70	100	16	1	0.3	33.5	32.6	19.4	20000	13000	0.33	B71914 C TP4S UL
	100	16	1	0.3	33	32.2	21.8	19500	12500	0.33	71914DTA
	100	16	1	0.3	31.5	30.9	27.8	18000	11000	0.33	B71914 E TP4S UL
	110	20	1.1	0.6	48.3	43.2	22.1	19000	12000	0.59	B7014 C TP4S UL
	110	20	1.1	0.6	47.7	42.7	24.6	18500	11500	0.59	7014DTA
	110	20	1.1	0.6	45.7	41.1	31	17000	10000	0.59	B7014 E TP4S UL
	125	24	1.5	0.6	72.9	59.8	25.3	18000	11000	1.1	B7214 C TP4S UL
	125	24	1.5	0.6	69.4	57.1	35.1	16000	9500	1.1	B7214 E TP4S UL
75	105	16	1	0.3	33.1	32.9	20.1	19000	12000	0.35	B71915 C TP4S UL
	105	16	1	0.3	32.6	32.5	22.6	18500	11500	0.35	71915DTA
	105	16	1	0.3	31.2	31.1	29	17000	10000	0.35	B71915 E TP4S UL
	115	20	1.1	0.6	49.5	46.2	22.9	18000	11000	0.62	B7015 C TP4S UL
	115	20	1.1	0.6	18.8	45.6	25.6	17500	10600	0.62	7015DTA
	115	20	1.1	0.6	46.8	43.8	32.4	16000	9500	0.62	B7015 E TP4S UL
	130	25	1.5	0.6	79.2	65.7	26.5	17000	10000	1.2	B7215 C TP4S UL
	130	25	1.5	0.6	75.4	62.8	36.9	15000	90000	1.2	B7215 E TP4S UL
80	110	16	1	0.3	34.6	36	20.7	18000	11000	0.37	B71916 C TP4S UL
	110	16	1	0.3	34.1	35.5	23.4	17500	10600	0.37	71916DTA
	110	16	1	0.3	32.6	33.9	30.1	16000	9500	0.37	B71916 E TP4S UL
	125	22	1.1	0.6	58.7	55.2	24.7	17000	10000	0.85	B7016 C TP4S UL
	125	22	1.1	0.6	57.9	54.5	27.7	16500	9700	0.85	7016DTA
	125	22	1.1	0.6	55.6	52.5	34.9	15000	9000	0.85	B7016 E TP4S UL
	140	26	2	1	89.5	76.7	27.7	16000	9500	1.45	B7216 C TP4S UL
	140	26	2	1	85.2	73.4	38.6	14000	8500	1.45	B7216 E TP4S UL
85	120	18	1.1	0.6	45.1	46.5	22.7	17000	10000	0.53	B71917 C TP4S UL
	120	18	1.1	0.6	44.5	46	25.7	16500	9700	0.53	71917DTA
	120	18	1.1	0.6	42.6	44.1	32.9	15000	9000	0.53	B71917 E TP4S UL
	130	22	1.1	0.6	60.2	58.6	25.4	16000	9500	0.89	B7017 C TP4S UL
	130	22	1.1	0.6	59.4	57.9	28.5	15500	9200	0.89	7017DTA
	130	22	2	1	56.9	55.5	36.1	14000	8500	0.89	B7017 E TP4S UL
	150	28	1.1	0.6	99.7	84.7	29.7	15000	9000	1.8	B7217 C TP4S UL
	150	28	1.1	0.6	95	80.9	41.4	13000	8000	1.8	B7217 E TP4S UL
90	125	18	1.1	0.6	45.9	48.9	23.4	16000	9500	0.55	B71918 C TP4S UL
	125	18	1.1	0.6	45.3	48.2	26.5	15500	9200	0.55	71918DTA
	125	18	1.1	0.6	43.3	46.1	34.1	14000	8500	0.55	B71918 E TP4S UL
	140	24	1.5	0.6	66.6	65.8	27.4	15000	9000	1.15	B7018 C TP4S UL
	140	24	1.5	0.6	65.7	65	30.7	14500	8700	1.15	7018DTA
	140	24	2	1	63	62.4	38.8	13000	8000	1.15	B7018 E TP4S UL
	160	30	2	1	123	105	31.7	14000	8500	2.25	B7218 C TP4S UL
	160	30	2	1	117	100	44.1	12000	7500	2.25	B7218 E TP4S UL
95	130	18	1.1	0.6	46.7	51	24.1	15000	9000	0.58	71919CTA
	130	18	1.1	0.6	46	50.3	27.3	14700	8800	0.58	71919DTA
	130	18	1.1	0.6	44.1	48	35.2	14000	8500	0.58	71919ACTA
	145	24	1.5	0.6	73.5	73.2	28.1	14000	8500	1.2	7019CTA

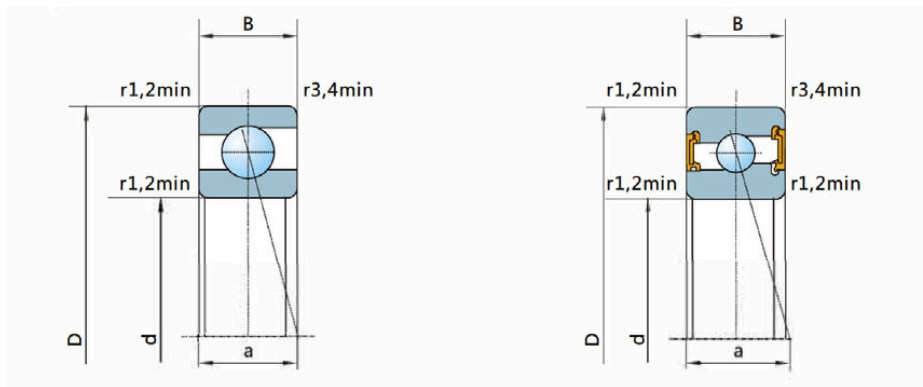
HIGH PRECISION ANGULAR CONTACT BALL BEARING



d	D	B	r1,r2	r3,r4	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
					Cr	Cor		Oil lubrication	Grease lubrication		
					KN	KN					
95	145	24	1.5	0.6	72.6	72.3	31.5	13700	8400	1.2	7019DTA
	145	24	1.5	0.6	69.5	69.4	40	13000	8000	1.2	7019ACTA
	170	32	2.1	1.1	139	120	33.8	13000	8000	2.7	7219CTA
	170	32	2.1	1.1	132	114	46.9	12000	7500	2.7	7219ACTA
100	140	20	1.1	0.6	58.7	63.6	26.1	14000	8500	0.8	71920CTA
	140	20	1.1	0.6	57.9	62.8	29.5	13700	8300	0.8	71920DTA
	140	20	1.1	0.6	55.4	60.1	38	13000	8000	0.8	71920ACTA
	150	24	1.5	0.6	80.8	80.9	28.7	14000	8500	1.25	7020CTA
	150	24	1.5	0.6	79.7	79.9	32.3	13500	8200	1.25	7020DTA
	150	24	1.5	0.6	76.4	76.7	41.1	12000	7500	1.25	7020ACTA
	180	34	2.1	1.1	156	136	35.8	12000	7500	3.25	7220CTA
	180	34	2.1	1.1	149	130	49.6	11000	7000	3.25	7220ACTA
	145	20	1.1	0.6	58.2	63.9	26.7	14000	8500	0.82	71921CTA
	145	20	1.1	0.6	57.4	63	30.3	13500	8200	0.82	71921DTA
105	145	20	1.1	0.6	54.9	60.2	39.1	12000	7500	0.82	71921ACTA
	160	26	2	1	88.1	89.4	30.8	13000	8000	1.6	7021CTA
	160	26	2	1	86.9	88.3	34.5	12700	7800	1.6	7021DTA
	160	26	2	1	83.3	84.7	43.9	12000	7500	1.6	7021ACTA
	190	36	2.1	1.1	163	147	37.8	12000	7500	3.85	7221CTA
	190	36	2.1	1.1	155	140	52.4	10000	6700	3.85	7221ACTA
	150	20	1.1	0.6	59.2	66.7	27.4	13000	8000	0.86	71922CTA
	150	20	1.1	0.6	58.4	65.7	31.1	12700	7800	0.86	71922DTA
	150	20	1.1	0.6	55.9	62.6	40.3	12000	7500	0.86	71922ACTA
	170	28	2	1	100.8	101.4	32.9	12000	7500	1.95	7022CTA
110	170	28	2	1	99.5	100.2	36.9	11700	7300	1.95	7022DTA
	170	28	2	1	106.1	110.5	46.9	11000	7000	1.95	7022ACTA
	200	38	2.1	1.1	169	158	39.8	11000	7000	4.55	7222CTA
	200	38	2.1	1.1	161	151	55.1	10000	6700	4.55	7222ACTA
	165	22	1.1	0.6	73.6	84.2	30.1	12000	7500	1.15	71924CTA
	165	22	1.1	0.6	72.6	83	34.2	11700	7300	1.15	71924DTA
	165	22	1.1	0.6	69.5	79.3	44.2	11000	7000	1.15	71924ACTA
	180	28	2	1	112	116	34.1	11000	7000	2.1	7024CTA
	180	28	2	1	111	115	38.4	10700	6900	2.1	7024DTA
	180	28	2	1	106	110	49	10000	6700	2.1	7024ACTA
120	215	40	2.1	1.1	174	171	42.4	10000	6700	5.4	7224CTA
	215	40	2.1	1.1	165	163	59.1	9000	6000	5.4	7224ACTA
	180	24	1.5	0.6	87.1	99.9	32.8	11000	7000	1.55	71926CTA
	180	24	1.5	0.6	85.9	98.4	37.2	10700	6900	1.55	71926DTA
	180	24	1.5	0.6	82.2	94.1	48.1	10000	6700	1.55	71926ACTA
	200	33	2	1	129	137	38.6	10000	6700	3.2	7026CTA
	200	33	2	1	128	135	43.3	9700	6500	3.2	7026DTA
	200	33	2	1	122	130	55	9000	6000	3.2	7026ACTA

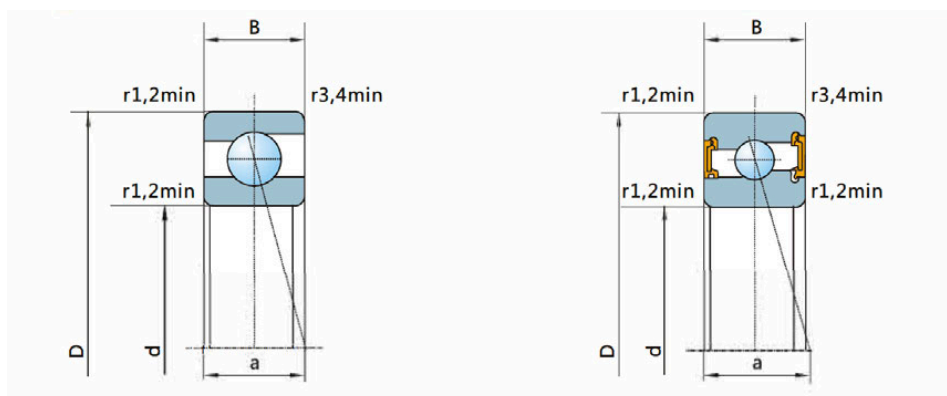
For limiting speed with engineered polymer cage, please consult with CSC.

HIGH-SPEED ANGULAR CONTACT BALL BEARING

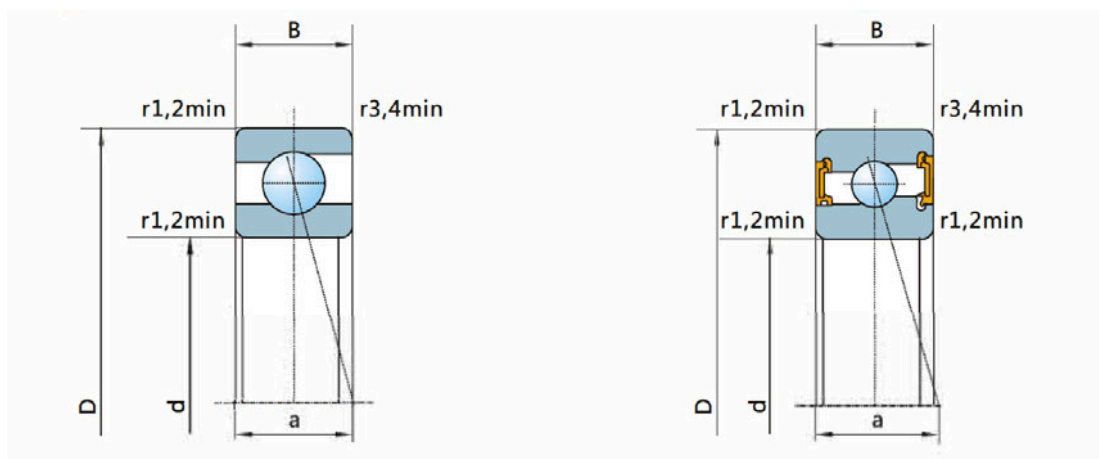


d	D	B	r	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
				Cr	Cor		Oil lubrication	Grease lubrication		
	mm		min	KN	KN					
10	22	6	0.3	2.07	1.17	5.1	143000	87000	0.01	H 71900CTA
	22	6	0.3	2.05	1.16	5.6	135000	83000	0.01	H 71900DTA
	22	6	0.3	1.97	1.12	6.7	115000	70000	0.01	H 71900ACTA
	26	8	0.3	3	1.57	6.4	130000	80000	0.02	H 7000CTA
	26	8	0.3	2.97	1.55	6.9	120000	75000	0.02	H 7000DTA
	26	8	0.3	2.86	1.5	8.2	105000	65000	0.02	H 7000ACTA
12	24	6	0.3	2.13	1.29	5.4	130000	80000	0.01	H 71901CTA
	24	6	0.3	2.11	1.27	5.9	120000	75000	0.01	H 71901DTA
	24	6	0.3	2.02	1.23	7.2	105000	65000	0.01	H 71901ACTA
	28	8	0.3	3.33	1.91	6.7	115000	70000	0.02	H 7001CTA
	28	8	0.3	3.29	1.89	7.2	110000	68000	0.02	H 7001DTA
	28	8	0.3	3.17	1.82	8.7	95000	58000	0.02	H 7001ACTA
15	28	7	0.3	2.93	1.88	6.4	110000	68000	0.02	H 71902CTA
	28	7	0.3	2.89	1.86	7.0	100000	61000	0.02	H 71902DTA
	28	7	0.3	2.77	1.79	8.5	86000	53000	0.02	H 71902ACTA
	32	9	0.3	3.91	2.58	7.6	100000	61000	0.03	H 7002CTA
	32	9	0.3	3.86	2.55	8.3	95000	58000	0.03	H 7002DTA
	32	9	0.3	3.7	2.46	10.0	80000	49000	0.03	H 7002ACTA
17	30	7	0.3	3.12	2.15	6.6	98000	60000	0.02	H 71903CTA
	30	7	0.3	3.08	2.12	7.3	92000	56000	0.02	H 71903DTA
	30	7	0.3	2.95	2.04	9.0	80000	49000	0.02	H 71903ACTA
	35	10	0.3	6.97	4.13	8.5	90000	55000	0.04	H 7003CTA
	35	10	0.3	6.89	4.09	9.2	85000	52000	0.04	H 7003DTA
	35	10	0.3	6.65	3.95	11.1	72000	44000	0.04	H 7003ACTA
20	37	9	0.3	5.63	3.78	8.3	81000	50000	0.04	H 71904CTA
	37	9	0.3	5.56	3.73	9.1	76000	46000	0.04	H 71904DTA
	37	9	0.3	5.34	3.59	11.1	65000	40000	0.04	H 71904ACTA
	42	12	0.6	9.66	6.10	10.2	75000	46000	0.08	H 7004CTA
	42	12	0.6	9.55	6.04	11.0	70000	43000	0.08	H 7004DTA
	42	12	0.6	9.21	5.82	13.2	60000	37000	0.08	H 7004ACTA
25	42	9	0.3	6.16	4.63	9.0	70000	43000	0.05	H 71905CTA
	42	9	0.3	6.07	4.57	9.9	65000	40000	0.05	H 71905DTA
	42	9	0.3	5.82	4.39	12.3	55000	34000	0.05	H 71905ACTA
	47	12	0.6	10.50	7.26	10.8	65000	40000	0.09	H 7005CTA
	47	12	0.6	10.30	7.17	11.8	60000	37000	0.09	H 7005DTA
	47	12	0.6	9.92	6.89	14.4	52000	32000	0.09	H 7005ACTA
30	47	9	0.3	6.40	5.24	9.7	60000	37000	0.05	H 71906CTA
	47	9	0.3	6.31	5.17	10.8	56000	35000	0.05	H 71906DTA
	47	9	0.3	6.04	4.94	13.5	48000	30000	0.05	H 71906ACTA
	55	13	1	12.20	9.02	12.2	55000	34000	0.13	H 7006CTA
	55	13	1	12.00	8.90	13.4	51000	31000	0.13	H 7006DTA
	55	13	1	11.50	8.57	16.4	44000	27000	0.13	H 7006ACTA
35	55	10	0.6	6.76	5.99	11.0	52000	32000	0.08	H 71907CTA
	55	10	0.6	6.67	5.89	12.3	48000	30000	0.08	H 71907DTA
	55	10	0.6	6.37	5.58	15.5	41000	25000	0.08	H 71907ACTA
	62	14	1	17.00	12.90	13.5	48000	30000	0.17	H 7007CTA
	62	14	1	16.80	12.70	14.9	45000	28000	0.17	H 7007DTA
	62	14	1	16.10	12.20	18.3	38000	23000	0.17	H 7007ACTA
40	62	12	0.6	9.78	9.04	12.8	45000	28000	0.13	H 71908CTA
	62	12	0.6	9.64	8.89	14.3	42000	26000	0.13	H 71908DTA
	62	12	0.6	9.21	8.42	17.9	36000	22000	0.13	H 71908ACTA
	68	15	1	18.10	14.70	14.7	43000	26000	0.22	H 7008CTA

HIGH-SPEED ANGULAR CONTACT BALL BEARING



d	D	B	r	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
				Cr	Cor		Oil lubrication	Grease lubrication		
mm			min	KN	KN					
40	68	15	1	17.80	14.50	16.3	40000	24500	0.22	H 7008DTA
	68	15	1	17.10	14.00	20.1	35000	21500	0.22	H 7008ACTA
45	68	12	0.6	10.10	9.66	13.6	41000	25000	0.14	H 71909CTA
	68	12	0.6	9.91	9.50	15.2	38000	23000	0.14	H 71909DTA
	68	12	0.6	9.46	9.01	19.2	33000	20000	0.14	H 71909ACTA
	75	16	1	19.00	16.60	16.0	38000	23000	0.27	H 7009CTA
	75	16	1	18.70	16.30	17.7	36000	22000	0.27	H 7009DTA
	75	16	1	17.90	15.70	22.0	31000	19000	0.27	H 7009ACTA
50	72	12	0.6	10.30	10.30	14.2	38000	23500	0.15	H 71910CTA
	72	12	0.6	10.20	10.10	15.9	35000	21500	0.15	H 71910DTA
	72	12	0.6	9.74	9.61	20.2	31000	19000	0.15	H 71910ACTA
	80	16	1	22.30	19.40	16.7	35000	21500	0.29	H 7010CTA
	80	16	1	22.00	19.20	18.6	33000	20000	0.29	H 7010DTA
	80	16	1	21.10	18.40	23.2	28000	17500	0.29	H 7010ACTA
55	80	13	1	13.50	13.60	15.5	34000	21000	0.2	H 71911CTA
	80	13	1	13.30	13.40	17.5	32000	20000	0.2	H 71911DTA
	80	13	1	12.70	12.70	22.2	28000	17500	0.2	H 71911ACTA
	90	18	1.1	24.00	22.70	18.7	32000	20000	0.43	H 7011CTA
	90	18	1.1	23.70	22.40	20.8	30000	18500	0.43	H 7011DTA
	90	18	1.1	22.60	21.60	25.9	26000	16000	0.43	H 7011ACTA
60	85	13	1	14.50	15.40	16.2	32000	20000	0.21	H 71912CTA
	85	13	1	14.30	15.20	18.3	30000	18500	0.21	H 71912DTA
	85	13	1	13.70	14.40	23.4	25500	16000	0.21	H 71912ACTA
	95	18	1.1	24.30	24.00	19.4	30000	18500	0.46	H 7012CTA
	95	18	1.1	24.00	23.60	21.6	28000	17500	0.46	H 7012DTA
	95	18	1.1	23.00	22.60	27.1	24000	15000	0.46	H 7012ACTA
65	90	13	1	14.30	15.40	16.9	30000	18500	0.23	H 71913CTA
	90	13	1	14.10	15.10	19.1	28000	17500	0.23	H 71913DTA
	90	13	1	13.40	14.30	24.6	24000	15000	0.23	H 71913ACTA
	100	18	1.1	24.70	25.10	20.1	28000	17500	0.48	H 7013CTA
	100	18	1.1	24.30	24.70	22.4	26000	16000	0.48	H 7013DTA
	100	18	1.1	23.30	23.50	28.2	22500	14000	0.48	H 7013ACTA
70	100	16	1	18.30	20.10	19.4	27500	17000	0.37	H 71914CTA
	100	16	1	18.10	19.80	21.8	25500	16000	0.37	H 71914DTA
	100	16	1	17.30	18.80	27.8	22000	13500	0.37	H 71914ACTA
	110	20	1.1	25.50	27.00	22.1	26000	16000	0.67	H 7014CTA
	110	20	1.1	25.10	26.50	24.6	24000	15000	0.67	H 7014DTA
	110	20	1.1	24.00	25.10	31.0	20500	12500	0.67	H 7014ACTA
75	105	16	1	18.80	21.30	20.1	26000	16000	0.4	H 71915CTA
	105	16	1	18.50	20.90	22.6	24000	15000	0.4	H 71915DTA
	105	16	1	17.70	19.90	29.0	20500	12500	0.4	H 71915ACTA
	115	20	1.1	31.30	34.00	22.7	24500	15000	0.71	H 7015CTA
	115	20	1.1	30.80	33.40	25.4	23000	14000	0.71	H 7015DTA
	115	20	1.1	29.50	31.70	32.1	20000	12500	0.71	H 7015ACTA
80	110	16	1	21.00	24.00	20.7	24500	15000	0.41	H 71916CTA
	110	16	1	20.70	23.60	23.4	22500	14000	0.41	H 71916DTA
	110	16	1	19.80	22.40	30.1	19500	12000	0.41	H 71916ACTA
	125	22	1.1	32.20	36.10	24.7	22500	14000	0.96	H 7016CTA
85	125	22	1.1	31.70	35.50	27.7	21000	13000	0.96	H 7016DTA
	125	22	1.1	30.30	33.70	34.9	18000	11000	0.96	H 7016ACTA
	120	18	1.1	21.80	26.00	22.7	22500	14000	0.61	H 71917CTA
	120	18	1.1	21.50	25.60	25.7	21000	13000	0.61	H 71917DTA



d	D	B	r	Sbasic load ratings		Contact point (mm)	Speed Rating(r/min)		Weight (kg)	Bearing No.
				Cr	Cor		Oil lubrication	Grease lubrication		
	mm		min	KN	KN					
85	120	18	1.1	20.50	24.30	32.9	18000	11000	0.61	H 71917ACTA
	130	22	1.1	36.30	40.30	25.4	21500	13500	0.99	H 7017CTA
	130	22	1.1	35.80	39.60	28.5	20000	12500	0.99	H 7017DTA
	130	22	1.1	34.20	37.50	36.1	17500	11000	0.99	H 7017ACTA
	125	18	1.1	23.80	28.40	23.4	21500	13000	0.63	H 71918CTA
	125	18	1.1	23.40	27.90	26.5	20000	12500	0.63	H 71918DTA
90	125	18	1.1	22.40	26.50	34.1	17500	11000	0.63	H 71918ACTA
	140	24	1.5	37.40	42.90	27.4	20000	12500	1.31	H 7018CTA
	140	24	1.5	36.80	42.10	30.7	19000	11500	1.31	H 7018DTA
	140	24	1.5	35.20	40.00	38.8	16000	10000	1.31	H 7018ACTA
	130	18	1.1	24.40	29.80	24.1	20500	12500	0.66	H 71919CTA
	130	18	1.1	24.00	29.30	27.3	19000	12000	0.66	H 71919DTA
95	130	18	1.1	22.90	27.90	35.2	16500	10000	0.66	H 71919ACTA
	145	24	1.5	37.80	44.10	28.1	19500	12000	1.34	H 7019CTA
	145	24	1.5	37.30	43.40	31.5	18000	11000	1.34	H 7019DTA
	145	24	1.5	35.60	41.10	40.0	15500	9500	1.34	H 7019ACTA
	140	20	1.1	29.30	36.00	26.1	19500	12000	0.9	H 71920CTA
	140	20	1.1	28.80	35.40	29.5	18000	11000	0.9	H 71920DTA
100	140	20	1.1	27.50	33.60	38.0	15500	9500	0.9	H 71920ACTA
	150	24	1.5	38.20	45.40	28.7	18500	11500	1.4	H 7020CTA
	150	24	1.5	37.70	44.60	32.3	17000	10500	1.4	H 7020DTA
	150	24	1.5	36.00	42.30	41.1	15000	9200	1.4	H 7020ACTA
	145	20	1.1	29.50	36.80	26.7	18500	11500	0.9	H 71921CTA
	145	20	1.1	29.10	36.20	30.3	17500	10800	0.9	H 71921DTA
105	145	20	1.1	27.70	34.40	39.1	15000	9200	0.9	H 71921ACTA
	160	26	2	54.40	63.00	30.8	17500	10800	1.8	H 7021CTA
	160	26	2	53.60	61.90	34.5	16500	10000	1.8	H 7021DTA
	160	26	2	51.20	58.70	43.9	14000	8500	1.8	H 7021ACTA
	150	20	1.1	34.90	43.60	27.4	18000	11000	1	H 71922CTA
	150	20	1.1	34.40	42.90	31.1	16500	10000	1	H 71922DTA
110	150	20	1.1	32.80	40.70	40.3	14500	8800	1	H 71922ACTA
	170	28	2	64.10	76.90	32.8	16500	10000	2.2	H 7022CTA
	170	28	2	63.20	75.60	36.7	15500	9500	2.2	H 7022DTA
	170	28	2	60.40	71.70	46.6	13500	8200	2.2	H 7022ACTA
	165	22	1.1	36.50	48.00	30.1	16500	10000	1.3	H 71924CTA
	165	22	1.1	35.90	47.20	34.2	15000	9200	1.3	H 71924DTA
120	165	22	1.1	34.30	44.80	44.2	13000	8000	1.3	H 71924ACTA
	180	28	2	69.80	83.80	34.1	15500	9500	2.3	H 7024CTA
	180	28	2	68.80	82.40	38.4	14500	8800	2.3	H 7024DTA
	180	28	2	65.70	78.20	49.0	12500	7600	2.3	H 7024ACTA
	180	24	1.5	42.70	57.10	32.8	15000	9200	1.8	H 71926CTA
	180	24	1.5	42.00	56.10	37.2	14000	8500	1.8	H 71926DTA
130	180	24	1.5	40.10	53.30	48.1	12000	7300	1.8	H 71926ACTA
	200	33	2	85.60	105.00	38.6	14000	8500	3.7	H 7026CTA
	200	33	2	84.30	103.00	43.3	13000	8000	3.7	H 7026DTA
	200	33	2	80.60	97.80	55.0	11500	7000	3.7	H 7026ACTA