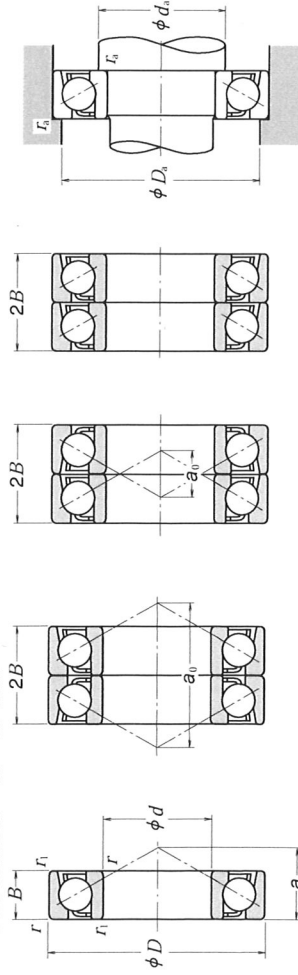


ANGULAR CONTACT BALL BEARINGS

SINGLE/MATCHED MOUNTINGS

Bore Diameter 55 – 65 mm



Single

Back-to-Back DB

Face-to-Face DF

Tandem DT

Boundary Dimensions (mm)					Basic Load Ratings (Single) (N)				Factor		Limiting Speeds (l/min)		Eff. Load Centers (mm)		Abutment and Fillet Dimensions (mm)		Mass (kg)	
d	D	B	r	r ₁	C _r	C _{0r}	C _t	C _{0t}	u	Grease	Oil	a	d _a min.	D _a max.	r _a max.			
55	90	18	1.1	0.6	34 000	28 600	3 500	2 920	15.5	11 000	15 000	18.7	62	83	1	0.43		
	100	21	1.5	1	51 000	39 500	5 200	4 050	—	7 100	10 000	32.9	64	91	1.5	0.613		
	100	21	1.5	1	46 500	36 000	4 700	3 700	—	5 300	7 100	43.0	64	91	1.5	0.627		
	100	21	1.5	1	51 500	37 000	5 250	3 800	—	6 000	8 500	43.0	64	91	1.5	0.595		
60	100	21	1.5	1	53 000	40 000	5 400	4 100	14.5	10 000	14 000	20.9	64	91	1.5	0.688		
	120	29	2	1	86 000	61 500	8 750	6 250	—	5 000	6 700	39.8	65	110	2	1.41		
	120	29	2	1	79 000	56 500	8 050	5 750	—	4 500	6 300	51.2	65	110	2	1.45		
	120	29	2	1	89 000	58 500	9 100	6 000	—	5 000	7 500	51.2	65	110	2	1.36		
60	85	13	1	0.6	18 300	17 700	1 870	1 810	—	9 500	13 000	23.4	66	79	1	0.197		
	85	13	1	0.6	19 400	18 700	1 980	1 910	16.5	11 000	15 000	16.2	66	79	1	0.194		
	95	18	1.1	0.6	33 000	29 500	3 350	3 000	—	7 100	10 000	31.4	67	88	1	0.417		
	95	18	1.1	0.6	35 000	30 500	3 600	3 150	15.7	10 000	14 000	19.4	67	88	1	0.46		
65	110	22	1.5	1	62 000	48 500	5 700	4 950	—	6 700	9 000	35.5	69	101	1.5	0.798		
	110	22	1.5	1	56 000	44 500	5 300	4 550	—	4 800	6 300	46.7	69	101	1.5	0.815		
	110	22	1.5	1	61 500	45 000	6 300	4 600	—	5 300	7 500	46.7	69	101	1.5	0.791		
	110	22	1.5	1	64 000	49 000	6 550	5 000	14.4	9 500	13 000	22.4	69	101	1.5	0.889		
65	130	31	2.1	1.1	98 000	71 500	10 000	7 250	—	4 800	6 300	42.9	72	118	2	1.74		
	130	31	2.1	1.1	90 000	65 500	9 200	6 700	—	4 300	5 600	55.4	72	118	2	1.78		
	130	31	2.1	1.1	102 000	68 500	10 500	7 000	—	4 800	6 700	55.4	72	118	2	1.7		
	130	31	2.1	1.1	19 100	19 400	1 940	1 980	—	9 000	12 000	24.6	71	84	1	0.211		
65	90	13	1	0.6	20 200	20 500	2 060	2 080	16.7	10 000	14 000	16.9	71	84	1	0.208		
	100	18	1.1	0.6	35 000	33 000	3 550	3 350	—	6 700	9 500	32.8	72	93	1	0.455		
	100	18	1.1	0.6	37 000	34 500	3 800	3 500	15.9	10 000	13 000	20.0	72	93	1	0.493		
	120	23	1.5	1	70 500	58 000	7 150	5 900	—	6 000	8 500	38.2	74	111	1.5	1.03		
65	120	23	1.5	1	63 500	52 500	6 500	5 350	—	4 300	6 000	50.3	74	111	1.5	1.05		
	120	23	1.5	1	70 000	53 500	7 150	5 450	—	4 800	7 100	50.3	74	111	1.5	1.01		
	120	23	1.5	1	73 000	58 500	7 450	6 000	14.6	9 000	12 000	23.9	74	111	1.5	1.14		
	140	33	2.1	1.1	111 000	82 000	11 300	8 350	—	4 300	6 000	46.1	77	128	2	2.12		
65	140	33	2.1	1.1	102 000	75 500	10 400	7 700	—	3 800	5 300	59.5	77	128	2	2.17		
	140	33	2.1	1.1	114 000	77 000	11 600	7 850	—	4 300	6 300	59.5	77	128	2	2.09		