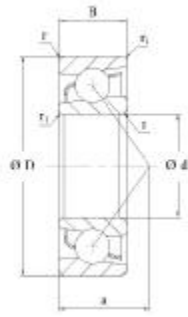


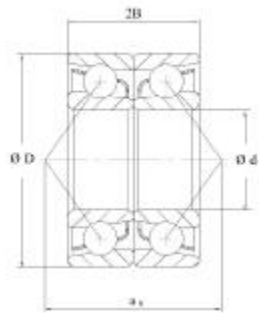
Angular Contact Ball Bearings

Single Row

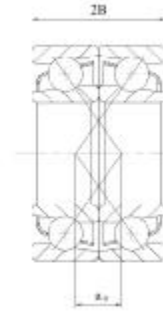
HMEC



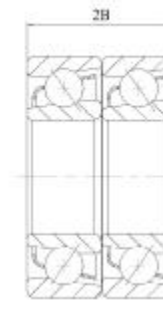
single



DB



DF



DT

Shaft diameter	Dimensions			Basic load ratings (single type)		Limiting Speed (single type)		Working point ≈ a ₀
	d	D	B	dyn. C	stat. Co	grease	oil	
	mm			kN		min ⁻¹		
10	10	26	8	4.65	2.07	29000	39000	9
	10	30	9	5.45	2.74	28000	37000	10.5
	10	30	9	5.00	2.52	24000	32000	13
	10	35	11	9.35	4.40	26000	34000	12
	10	35	11	8.80	4.10	22000	29000	15
12	12	28	8	5.05	2.46	26000	35000	10
	12	32	10	7.15	3.60	25000	33000	11.5
	12	32	10	6.60	3.35	21000	28000	14
	12	37	12	11.2	5.25	23000	30000	13
	12	37	12	10.5	4.95	19000	26000	16.5
15	15	32	9	5.80	3.15	23000	31000	11.5
	15	35	11	9.05	4.70	22000	29000	12.5
	15	35	11	8.35	4.35	18000	25000	16
	15	42	13	13.5	7.20	19000	26000	15
	15	42	13	12.5	6.65	17000	22000	19
17	17	35	10	7.15	3.85	21000	28000	12.5
	17	40	12	12.0	6.60	19000	26000	14.5
	17	40	12	11.0	6.10	17000	22000	18
	17	47	14	15.9	8.65	18000	24000	16
	17	47	14	14.8	8.00	15000	20000	20.5
20	20	42	12	9.70	5.60	19000	25000	15
	20	47	14	14.5	8.40	17000	23000	17

Basic load ratings (combined type)		Limiting Speed (combined type)		Code bearing HMEC (combined type)			(single type)	Mass ≈ kg
dyn. Cr	stat. Cor	grease	oil	DB	DF	DT		
kN		min ⁻¹						
7.50	4.15	23000	31000	7000DB	7000DF	7000DT	7000	0.023
8.80	5.45	22000	30000	7200DB	7200DF	7200DT	7200	0.029
8.10	5.05	19000	26000	7200BDB	7200BDF	7200BDT	7200B	0.029
15.2	8.75	20000	27000	7300DB	7300DF	7300DT	7300	0.040
14.3	8.20	18000	24000	7300BDB	7300BDF	7300BDT	7300B	0.041
8.20	4.90	21000	28000	7001DB	7001DF	7001DT	7001	0.025
11.6	7.20	20000	26000	7201DB	7201DF	7201DT	7201	0.035
10.7	6.70	17000	23000	7201BDB	7201BDF	7201BDT	7201B	0.036
18.2	10.5	18000	24000	7301DB	7301DF	7301DT	7301	0.044
17.1	9.90	16000	21000	7301BDB	7301BDF	7301BDT	7301B	0.045
9.40	6.30	18000	24000	7002DB	7002DF	7002DT	7002	0.035
14.7	9.40	17000	23000	7202DB	7202DF	7202DT	7202	0.046
13.6	8.70	15000	20000	7202BDB	7202BDF	7202BDT	7202B	0.046
21.9	14.4	15000	21000	7302DB	7302DF	7302DT	7302	0.055
20.3	13.3	13000	18000	7302BDB	7302BDF	7302BDT	7302B	0.057
11.6	7.65	17000	22000	7003DB	7003DF	7003DT	7003	0.046
19.4	13.2	15000	21000	7203DB	7203DF	7203DT	7203	0.064
17.9	12.2	13000	18000	7203BDB	7203BDF	7203BDT	7203B	0.066
25.9	17.3	14000	19000	7303DB	7303DF	7303DT	7303	0.107
24.0	16.0	12000	16000	7303BDB	7303BDF	7303BDT	7303B	0.109
15.8	11.2	15000	20000	7004DB	7004DF	7004DT	7004	0.080
23.6	16.8	14000	18000	7204DB	7204DF	7204DT	7204	0.100