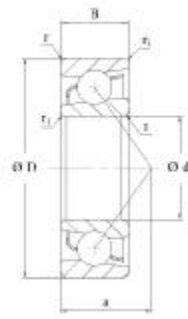


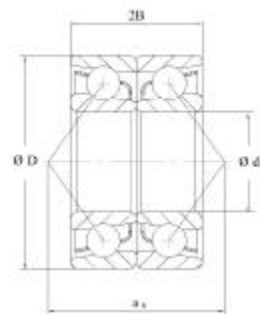
Angular Contact Ball Bearings

Single Row

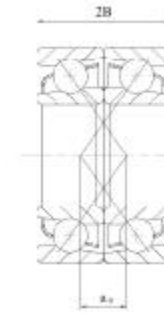
HMEC



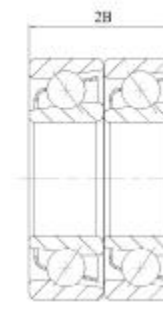
single



DB



DF



DT

Shaft diameter	Dimensions			Basic load ratings (single type)		Limiting Speed (single type)		Working point ≈ a ₀
	d	D	B	dyn. Cr	stat. Cor	grease	oil	
	mm			kN		min ⁻¹		
20	20	47	14	13.3	7.70	15000	20000	21.5
	20	52	15	18.7	10.4	16000	21000	18
	20	52	15	17.3	9.65	13000	18000	22.5
25	25	42	9	7.15	4.95	17000	22000	14
	25	47	12	10.7	6.85	16000	21000	16.5
	25	52	15	16.2	10.3	14000	19000	19
	25	52	15	14.8	9.40	12000	16000	24
	25	62	17	26.4	15.8	13000	17000	21
	25	62	17	24.4	14.6	11000	15000	27
30	30	47	9	7.55	5.75	14000	19000	15.5
	30	55	13	13.9	9.45	13000	18000	19
	30	62	16	22.5	14.8	12000	16000	21.5
	30	62	16	20.5	13.5	11000	14000	27.5
	30	72	19	33.5	22.3	11000	15000	24.5
	30	72	19	31.0	20.5	9600	13000	31.5
35	35	55	10	12.0	8.85	13000	17000	18
	35	62	14	17.5	12.6	12000	16000	21
	35	72	17	29.7	20.1	11000	14000	24
	35	72	17	27.1	18.4	9300	12000	31
	35	80	21	40.0	26.3	9800	13000	27
	35	80	21	36.5	24.2	8400	11000	34.5
40	40	62	12	12.7	10.2	11000	15000	20.5

Basic load ratings (combined type)		Limiting Speed (combined type)		Code bearing HMEC (combined type)			Mass ≈ kg	
dyn. Cr	stat. Cor	grease	oil	DB	DF	DT		
kN		min ⁻¹		(single type)				
21.6	15.4	12000	16000	7204BDB	7204BDF	7204BDT	7204B	0.102
30.5	20.8	12000	17000	7304DB	7304DF	7304DT	7304	0.138
28.2	19.3	11000	14000	7304BDB	7304BDF	7304BDT	7304B	0.141
11.6	9.95	13000	18000	7905DB	7905DF	7905DT	7905	0.050
17.5	13.7	12000	17000	7005DB	7005DF	7005DT	7005	0.093
26.3	20.6	11000	15000	7205DB	7205DF	7205DT	7205	0.125
24.0	18.8	10000	13000	7205BDB	7205BDF	7205BDT	7205B	0.129
43.0	31.5	10000	14000	7305DB	7305DF	7305DT	7305	0.230
39.5	29.3	9100	12000	7305BDB	7305BDF	7305BDT	7305B	0.234
12.3	11.5	12000	15000	7906DB	7906DF	7906DT	7906	0.058
22.5	18.9	11000	14000	7006DB	7006DF	7006DT	7006	0.135
36.5	29.6	9800	13000	7206DB	7206DF	7206DT	7206	0.193
33.5	27.1	8600	11000	7206BDB	7206BDF	7206BDT	7206B	0.197
54.5	44.5	8900	12000	7306DB	7306DF	7306DT	7306	0.345
50.0	41.0	7700	10000	7306BDB	7306BDF	7306BDT	7306B	0.352
19.5	17.7	10000	13000	7907DB	7907DF	7907DT	7907	0.088
28.5	25.1	9400	13000	7007DB	7007DF	7007DT	7007	0.180
48.5	40.0	8600	11000	7207DB	7207DF	7207DT	7207	0.281
44.0	36.5	7500	10000	7207BDB	7207BDF	7207BDT	7207B	0.287
65.0	52.5	7800	10000	7307DB	7307DF	7307DT	7307	0.462
59.5	48.5	6800	9000	7307BDB	7307BDF	7307BDT	7307B	0.469
20.6	20.4	9000	12000	7908DB	7908DF	7908DT	7908	0.130