

7200 Series angular contact ball bearings

Single Row Angular Contact Ball Bearings

7200 Series angular contact ball bearings



Bearing Numbers			Principal dimensions(mm)					Basic load ratings(N)		Basic load ratings(kgf)		Value	Limiting Speed (rpm)	Distance of action point(mm)		Abutment and fillet dimensions			Weight	Basic load ratings(duplex bearing) (N)		Basic load ratings(duplex bearing) (kgf)		Limiting Speed(duplex bearing) (rpm)		Distance of action point (duplex bearing)(a0)		Installation dimensions(duplex bearing)			
Single row	DB	DF	DT	d	D	B	r(min)	r1(min)	Cr	Cor	Cr	Cor	fo	Grease	Oil	a	da(min)	Da(max)	ra(max)	(kg)	Cr	Cor	Cr	Cor	Grease	Oil	back-to-back arrangement	face-to-face arrangement	db(min)	Db(max)	rb(max)
7200A	7200DB	7200DF	7200DT	10	30	9	0.6	0.3	5400	2710	555	276	13.8	28000	38000	10.3	15	25	0.6	0.032	8800	5400	900	555	22000	30000	20.5	2.5	12.5	27.5	0.3
7200B	7200DB	7200DF	7200DT	10	30	9	0.6	0.3	5900	2950	510	255	14.4	20000	28000	12.9	15	25	0.6	0.032	8100	5000	825	510	16000	22000	25.8	7.8	16.0	32.5	0.3
7200C	7200DB	7200DF	7200DT	10	30	9	0.6	0.3	5400	2610	550	266	13.2	40000	56000	7.2	15	25	0.6	0.036	8800	5200	895	530	32000	45000	14.4	3.6	-	27.5	0.3
7201A	7201DB	7201DF	7201DT	12	32	10	0.6	0.3	8000	4050	815	410	13.1	26000	34000	11.4	17	27	0.6	0.037	13000	8050	1330	820	20000	28000	22.7	2.7	14.5	29.5	0.3
7201B	7201DB	7201DF	7201DT	12	32	10	0.6	0.3	7450	3750	760	380	13.8	18000	26000	14.2	17	27	0.6	0.038	12100	7500	1230	765	15000	20000	28.5	8.5	14.5	29.5	0.3
7201C	7201DB	7201DF	7201DT	12	32	10	0.6	0.3	7900	3850	805	395	12.5	36000	50000	7.9	17	27	0.6	0.041	12800	7700	1310	785	30000	40000	15.9	4.1	-	29.5	0.3
7202A	7202DB	7202DF	7202DT	15	35	11	0.6	0.3	8650	4650	880	475	13.8	22000	30000	12.7	20	30	0.6	0.045	14000	9300	1430	950	18000	24000	25.4	3.4	17.5	32.5	0.3
7202B	7202DB	7202DF	7202DT	15	35	11	0.6	0.3	7950	4300	810	440	14.4	16000	22000	16	20	30	0.6	0.046	12900	8600	1310	875	13000	18000	32	10	17.5	32.5	0.3
7202C	7202DB	7202DF	7202DT	15	35	11	0.6	0.3	8650	4550	885	460	13.2	32000	45000	8.8	20	30	0.6	0.052	14100	9050	1440	925	26000	36000	17.7	4.3	-	32.5	0.3
7203A	7203DB	7203DF	7203DT	17	40	12	0.6	0.3	10800	6000	1100	610	13.8	20000	28000	14.2	22	35	0.6	0.067	17600	12000	1790	1220	16000	22000	28.5	4.5	19.5	37.5	0.3
7203B	7203DB	7203DF	7203DT	17	40	12	0.6	0.3	9950	5500	1010	565	14.4	14000	19000	18	22	35	0.6	0.068	16100	11000	1650	1130	11000	15000	35.9	11.9	19.5	37.6	0.3
7203C	7203DB	7203DF	7203DT	17	40	12	0.6	0.3	10900	5850	1110	595	13.2	28000	38000	9.8	22	35	0.6	0.075	17600	11700	1800	1190	22000	32000	19.6	4.4	-	37.5	0.3
7204A	7204DB	7204DF	7204DT	20	47	14	1	0.6	14500	8300	1480	845	13.8	17000	23000	16.7	26	41	1	0.106	23500	16600	2400	1690	13000	19000	33.3	5.3	25	42	0.6
7204B	7204DB	7204DF	7204DT	20	47	14	1	0.6	13300	7650	1360	780	14.4	12000	16000	21.1	26	41	1	0.109	21600	15300	2210	1560	9500	13000	42.1	14.1	25	42	0.6
7204C	7204DB	7204DF	7204DT	20	47	14	1	0.6	14600	8050	1480	825	13.2	24000	34000	11.5	26	41	1	0.118	23600	16100	2410	1650	19000	26000	23	5	-	42	0.6
7205A	7205DB	7205DF	7205DT	25	52	15	1	0.6	16200	10300	1650	1050	14.4	15000	20000	18.6	31	46	1	0.13	26300	20500	2690	2090	12000	16000	37.2	7.2	30	47	0.6
7205B	7205DB	7205DF	7205DT	25	52	15	1	0.6	14800	9400	1510	960	15	10000	14000	23.7	31	46	1	0.133	24000	18800	2450	1920	8500	11000	47.3	17.3	30	47	0.6
7205C	7205DB	7205DF	7205DT	25	52	15	1	0.6	16600	10200	1690	1040	14	22000	28000	12.7	31	46	1	0.143	27000	20400	2750	2080	17000	24000	25.3	4.7	-	47	0.6
7206A	7206DB	7206DF	7206DT	30	62	16	1	0.6	22500	14800	2300	1510	14.4	12000	17000	21.3	36	56	1	0.197	36500	29500	3750	3000	10000	13000	42.6	10.6	35	57	0.6
7206B	7206DB	7206DF	7206DT	30	62	16	1	0.6	20500	13500	2090	1380	14.9	8500	12000	27.3	36	56	1	0.202	33500	27000	3400	2760	7100	9500	54.6	22.6	35	57	0.6
7206C	7206DB	7206DF	7206DT	30	62	16	1	0.6	23000	14700	2350	1500	14	18000	24000	14.2	36	56	1	0.222	37500	29300	3800	2990	14000	20000	28.3	3.7	-	57	0.6
7207A	7207DB	7207DF	7207DT	35	72	17	1.1	0.6	29700	20100	3050	2050	14.7	10000	14000	23.9	42	65	1	0.287	48500	40000	4900	4100	8500	12000	47.9	13.9	40	67	0.6
7207B	7207DB	7207DF	7207DT	35	72	17	1.1	0.6	27100	18400	2760	1870	14.9	7500	10000	30.9	42	65	1	0.294	44000	36500	4500	3750	6000	8000	61.9	27.9	40	67	0.6
7207C	7207DB	7207DF	7207DT	35	72	17	1.1	0.6	30500	19900	3100	2030	14	15000	20000	15.7	42	65	1	0.32	49500	40000	5050	4050	12000	17000	31.3	2.7	-	67	0.6
7208A	7208DB	7208DF	7208DT	40	80	18	1	0.6	35500	23100	3600	2560	14.6	9500	13000	26.3	47	73	1	0.375	57500	50500	5850	5150	7500	10000	52.6	16.6	45	75	0.6
7208B	7208DB	7208DF	7208DT	40	80	18	1	0.6	33000	22000	3350	2340	15.1	6700	9000	34.2	47	73	1	0.383	52000	46000	5300	4700	5300	7000	68.3	32.3	45	75	0.6
7208C	7208DB	7208DF	7208DT	40	80	18	1	0.6	36500	25200	3700	2570	14.2	14000	19000	17	47	73	1	0.418	59000	50500	6000	5150	11000	15000	34.1	1.9	-	75	0.6
7209A	7209DB	7209DF	7209DT	45	85	19	1.1	0.6	39500	28700	4050	2930	14.7	8500	12000	28.3	52	78	1	0.411	64500	57500	6550	5850	7100	9500	56.5	18.5	50	80	0.6
7209B	7209DB	7209DF	7209DT	45	85	19	1.1	0.6	36000	26200	3650	2680	15.4	6300	8500	36.8	52	78	1	0.421	58500	52500	5950	5350	5000	6700	73.5	35.5	50	80	0.6
7209C	7209DB	7209DF	7209DT	45	85	19	1.1	0.6	41000	28800	4150	2940	14.2	12000	17000	18.2	52	78	1	0.468	66500	57500	6750	5850	10000	14000	36.4	1.6	-	80	0.6
7210A	7210DB	7210DF	7210DT	50	90	20	1.1	0.6	41500	31500	4200	3200	15	8000	11000	30.2	57	83	1	0.466	67000	63000	6850	6400	6300	9000	60.4	20.4	55	85	0.6
7210B	7210DB	7210DF	7210DT	50	90	20	1.1	0.6	37500	28600	3800	2920	15.4	5600	8000	39.4	57	83	1	0.477	60500	57000	6200	5850	4500	6000	78.7	38.7	55	85	0.6
7210C	7210DB	7210DF	7210DT	50	90	20	1.1	0.6	43000	31500	4350	3250	14.5	12000	16000	19.4	57	83	1	0.528	69500	63500	7100	6450	9500	13000	38.7	1.3	-	85	0.6
7211A	7211DB	7211DF	7211DT	55	100	21	1.5	1	51000	39500	5200	4050	15.2	7100	10000	32.9	64	91	1.5	0.613	83000	79000	8450	8050	6000	8000	65.7	23.7	61	94	1
7211B	7211DB	7211DF	7211DT	55	100	21	1.5	1	46500	36000	4700	3700	15.4	5300	7100	43	64	91	1.5	0.627	75000	720</									

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7220C	7220DB	7220DF	7220DT	100	180	34	2.1	1.1	149000	127000	15200	12900	14.5	5600	8000	35.7	112	168	2	3.65	242000	254000	24700	25900	4500	6300	71.5	3.5	-	173	1
7221A	7221DB	7221DF	7221DT	105	190	36	2.1	1.1	157000	142000	16000	14400	15	3800	5000	60.6	117	178	2	3.84	254000	283000	25900	28900	3000	4000	121.2	49.2	112	183	1
7221B	7221DB	7221DF	7221DT	105	190	36	2.1	1.1	142000	129000	14500	13100	15.4	2600	3600	79.9	117	178	2	3.92	231000	258000	23500	26300	2200	3000	159.8	87.8	112	183	1
7221C	7221DB	7221DF	7221DT	105	190	36	2.1	1.1	162000	143000	16600	14600	14.5	5300	7500	37.7	117	178	2	4.33	264000	286000	26900	29100	4300	6000	75.5	3.5	-	183	1
7222A	7222DB	7222DF	7222DT	110	200	38	2.1	1.1	170000	158000	17300	16100	15.2	3600	4800	63.7	122	188	2	4.49	276000	315000	28100	32500	2800	4000	127.5	51.6	117	193	1
7222B	7222DB	7222DF	7222DT	110	200	38	2.1	1.1	154000	144000	15700	14700	15.4	2600	3400	84	122	188	2	4.58	250000	289000	25500	29400	2000	2800	168.1	92.1	117	193	1
7222C	7222DB	7222DF	7222DT	110	200	38	2.1	1.1	176000	160000	17900	16300	14.5	5000	7100	39.8	122	188	2	5.1	286000	320000	29200	32500	4000	5600	79.5	3.5	-	193	1
7224A	7224DB	7224DF	7224DT	120	215	40	2.1	1.1	183000	177000	18600	18100	15	3200	4500	68.3	132	203	2	6.22	297000	355000	30500	36000	2600	3600	136.7	56.7	-	208	1
7224B	7224DB	7224DF	7224DT	120	215	40	2.1	1.1	165000	162000	16900	16500	15.4	2400	3200	90.3	132	203	2	6.26	269000	325000	27400	33000	1900	2600	180.5	100.5	-	208	1
7226A	7226DB	7226DF	7226DT	130	230	40	3	1.1	189000	193000	19900	19600	15.3	2400	3200	72	144	216	2.5	7.06	310000	385000	31500	39500	1900	2600	143.9	63.9	-	223	1
7226B	7226DB	7226DF	7226DT	130	230	40	3	1.1	171000	175000	17400	17800	15.7	2200	3000	95.5	144	216	2.5	7.1	278000	350000	28300	35500	1700	2400	191	111	-	223	1
7228A	7228DB	7228DF	7228DT	140	250	42	3	1.1	218000	234000	22300	23900	15.2	2200	3000	77.3	154	236	2.5	8.92	355000	470000	36000	48000	1800	2400	154.6	70.6	-	243	1
7228B	7228DB	7228DF	7228DT	140	250	42	3	1.1	197000	213000	20100	21700	15.6	2000	2800	102.8	154	236	2.5	8.94	320000	425000	32500	43500	1600	2200	205.6	121.6	-	243	1
7230A	7230DB	7230DF	7230DT	150	270	45	3	1.1	248000	280000	25300	28500	15.2	2000	2800	83.1	164	256	2.5	11.2	405000	560000	41000	57000	1600	2200	166.3	76.3	-	263	1
7230B	7230DB	7230DF	7230DT	150	270	45	3	1.1	225000	254000	22900	25900	15.5	1800	2600	110.6	164	256	2.5	11.2	365000	510000	37000	52000	1500	2000	221.2	131.2	-	263	1
7232A	7232DB	7232DF	7232DT	160	290	48	3	1.1	263000	305000	26800	31500	15.3	1900	2600	89	174	276	2.5	14.1	425000	615000	43500	62500	1500	2000	177.9	81.9	-	283	1
7232B	7232DB	7232DF	7232DT	160	290	48	3	1.1	238000	279000	24200	28400	15.9	1700	2400	118.4	174	276	2.5	14.2	385000	555000	39500	57000	1400	1900	236.8	140.8	-	283	1
7234A	7234DB	7234DF	7234DT	170	310	52	4	1.5	295000	360000	30000	36500	15.2	1800	2400	95.3	188	292	3	17.3	480000	715000	49000	73000	1400	1900	190.6	86.6	-	301	1.5
7234B	7234DB	7234DF	7234DT	170	310	52	4	1.5	266000	325000	27200	33000	15.6	1600	2200	126.7	188	292	3	17.6	435000	650000	44000	66500	1300	1700	253.4	149.4	-	301	1.5
7236A	7236DB	7236DF	7236DT	180	320	52	4	1.5	305000	385000	31000	39000	15.3	1700	2200	98.2	198	302	3	18.1	495000	770000	50500	78500	1400	1800	196.3	92.3	-	311	1.5
7236B	7236DB	7236DF	7236DT	180	320	52	4	1.5	276000	350000	28100	35500	15.7	1500	2000	130.9	198	302	3	18.4	450000	700000	45500	71000	1200	1700	261.8	157.8	-	311	1.5
7238A	7238DB	7238DF	7238DT	190	340	55	4	1.5	315000	410000	32000	42000	15.5	1600	2200	104	208	322	3	22.4	510000	825000	52000	84000	1300	1700	208	98	-	331	1.5
7238B	7238DB	7238DF	7238DT	190	340	55	4	1.5	284000	375000	28900	38000	15.9	1400	2000	138.7	208	322	3	22.5	460000	750000	47000	76000	1100	1600	277.3	167.3	-	331	1.5
7240A	7240DB	7240DF	7240DT	200	360	58	4	1.5	335000	450000	34500	46000	15.5	1500	2000	109.8	218	342	3	26.5	550000	900000	56000	92000	1200	1600	219.6	103.6	-	351	1.5
7240B	7240DB	7240DF	7240DT	200	360	58	4	1.5	305000	410000	31000	41500	15.8	1300	1800	146.5	218	342	3	26.6	495000	815000	50500	83000	1100	1500	292.9	176.9	-	351	1.5