



KTL Bearings Catalog

8. Double direction angular contact thrust ball bearings



No.	Designations	Principal dimensions						Basic load ratings		Speed ratings		Abutment and fillet dimensions (mm)				Weight
		mm						(KN)		(rpm)		da	Da	ra	rb	(kg)
		d	D	T	C	rmin	r1min	Ca	Coa	grease lub	oil lub	min	max	max	max	reference
1	234407	35	62	34	17	1	0.6	22.8	53.5	8000	9500	46	58	1	0.6	0.358
2	234408	40	68	36	18	1	0.6	23.6	59	7100	8500	51	63	1	0.6	0.435
3	234409	45	75	38	19	1	0.6	26.3	67.5	6700	7500	57	70	1	0.6	0.549
4	234410	50	80	38	19	1	0.6	27.2	74	6000	7100	62	75	1	0.6	0.59
5	234411	55	90	44	22	1.1	0.6	33.5	94	5300	6300	69	84	1	0.6	0.898
6	234412	60	95	44	22	1.1	0.6	35	102	5000	6000	74	89	1	0.6	0.963
7	234413	65	100	44	22	1.1	0.6	36	110	4800	5600	79	94	1	0.6	1.03
8	234414	70	110	48	24	1.1	0.6	49.5	146	4300	5000	87	104	1	0.6	1.41
9	234415	75	115	48	24	1.1	0.6	50	152	4300	4800	92	109	1	0.6	1.49
10	234416	80	125	54	27	1.1	0.6	59	181	3800	4500	99	117	1	0.6	2.02
11	234417	85	130	54	27	1.1	0.6	59.5	189	3600	4300	104	122	1	0.6	2.12
12	234418	90	140	60	30	1.5	1	78.5	246	3400	4000	110	131	1.5	1	2.83
13	234419	95	145	60	30	1.5	1	79.5	256	3200	3800	115	136	1.5	1	2.93
14	234920	100	140	48	24	1.1	0.6	55	196	3200	3800	117	134	1	0.6	1.87
15	234420TN1	100	150	60	30	1.5	1	80.5	267	3200	3600	120	141	1.5	1	3.08
16	234420	100	150	60	30	1.5	1	80.5	267	3200	3600	120	141	1.5	1	3.08
17	234921	105	145	48	24	1.1	0.6	56.5	208	3200	3600	122	139	1	0.6	1.96
18	234421	105	160	66	33	2	1	91.5	305	3000	3400	127	150	2	1	3.94
19	234922	110	150	48	24	1.1	0.6	57	215	3000	3400	127	144	1	0.6	2.04
20	234422	110	170	72	36	2	1	103	350	2800	3200	134	158	2	1	4.94
21	234924	120	165	54	27	1.1	0.6	66.5	256	2800	3200	139	157	1	0.6	2.82
22	234424TN1	120	180	72	36	2	1	106	375	2600	3000	144	168	2	1	5.31
23	234424	120	180	72	36	2	1	106	375	2600	3000	144	168	2	1	5.31
24	234926	130	180	60	30	1.5	1	79.5	315	2600	2800	150	170	1.5	1	3.79
25	234426	130	200	84	42	2	1	134	455	2400	2600	160	187	2	1	8
26	234928	140	190	60	30	1.5	1	91.5	365	2000	2800	158	182	1.5	1	4.2
27	234428	140	210	84	42	2	1	145	525	1800	2600	167	198	2	1	8.75
28	234930	150	210	72	36	2	1	116	465	1800	2400	172	200	2	1	6.18
29	234430	150	225	90	45	2.1	1.1	172	620	1700	2400	178	213	2	1	9.95
30	234932	160	220	72	36	2	1	118	490	1700	2400	182	210	2	1	6.45
31	234432TN1	160	240	96	48	2.1	1.1	185	680	1600	2200	191	228	2	1	12.2
32	234432	160	240	96	48	2.1	1.1	185	680	1600	2200	191	228	2	1	12.2
33	234934	170	230	72	36	2	1	120	520	1600	2200	192	219	2	1	7.35
34	234434	170	260	108	54	2.1	1.1	218	810	1500	2000	206	245	2	1	17.7
35	234936	180	250	84	42	2	1	158	655	1500	2000	207	238	2	1	10.7
36	234436	180	280	120	60	2.1	1.1	281	1020	1400	1900	220	264	2	1	22.1
37	234938	190	260	84	42	2	1	161	695	1400	2000	217	247	2	1	11
38	234438	190	290	120	60	2.1	1.1	285	1060	1300	1800	230	274	2	1	24.4
39	234940	200	280	96	48	2.1	1.1	204	855	1300	1800	230	267	2	1	15.7

40	234440	200	310	132	66	2.1	1.1	315	1180	1200	1700	245	291	2	1	29.6
41	234944	220	300	96	48	2.1	1.1	210	930	1200	1700	250	287	2	1	17
42	234444	220	340	144	72	3	1.1	360	1390	1100	1500	270	320	2.5	1	41
43	234948	240	320	96	48	2.1	1.1	213	980	1100	1500	270	307	2	1	18.3
44	234448	240	360	144	72	3	1.1	360	1450	1000	1400	290	341	2.5	1	44
45	234952	260	360	120	60	2.1	1.1	315	1390	1000	1400	300	344	2	1	30
46	234452	260	400	164	82	4	1.5	440	1890	900	1300	316	375	3	1.5	64.5
47	234956	280	380	120	60	2.1	1.1	320	1470	900	1300	320	364	2	1	33.5
48	234456	280	420	164	82	4	1.5	440	1960	850	1200	324	393	3	1.5	68
49	234960	300	420	144	72	3	1.1	395	1810	850	1200	348	399	2.5	1	49.8
50	234460	300	460	190	95	4	1.5	450	1990	800	1100	366	428.5	4	1.5	98.4
51	234964	320	440	144	72	3	1.1	405	1920	800	1100	368	419	2.5	1	55.5
52	234464	320	480	190	95	4	1.5	455	2120	750	1000	386	448.5	4	1.5	102
53	234968	340	460	144	72	3	1.1	415	2020	750	1000	388	439	2.5	1	58.5
54	234468	340	520	212	106	4	1.5	54	2600	700	900	413	485	4	1.5	138
55	234972	360	480	144	72	3	1.1	420	2130	710	950	408	458	2.5	1	61.5
56	234472	360	540	212	106	4	1.5	540	2650	600	800	433	505.5	4	1.5	144
57	234976	380	520	164	82	4	1.5	485	2560	630	900	434	493	3	1.5	87.5
58	234476	380	560	212	106	4	1.5	560	2860	500	700	453	525.5	4	1.5	154
59	234980	400	540	164	82	5	1.5	495	2700	600	850	454	513	3	1.5	91.5
60	234480	400	600	236	118	5	2	630	3310	400	600	480	561.5	5	2	198