

WNBZ

WNBZ

PRODUCT CATALOG

- TAPER ROLLER BEARING

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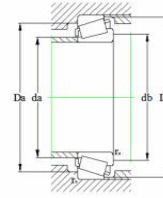
P.C.: 116300

E-mail: wnbzbearing@gmail.com

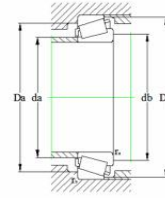


CONTENTS

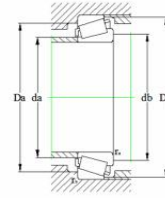
1	<u>Single-row taper roller bearings</u>	P 3
2	<u>Single-row taper roller bearings (Inch series)</u>	P 10
3	<u>Double inner ring double row tapered roller bearings</u>	P 53
4	<u>Double inner ring double row tapered roller bearings (Inch series)</u>	P 77
5	<u>Double outer ring double row tapered roller bearings</u>	P101
6	<u>Double outer ring double row tapered roller bearings (Inch series)</u>	P 109
7	<u>Steep angle double outer ring double row tapered roller bearings</u>	P 127
8	<u>Four-row taper roller bearings</u>	P 131
9	<u>Four-row tapered roller bearings with seals</u>	P 161



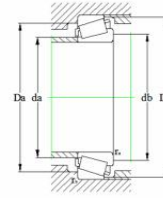
Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
100	140	25	25	20	1.5	1.5	117	205	2000	3000	32920	2007920	24.2	106	112	131	136	1.5	1.5	0.33	1.8	1	1.18
	150	32	32	24	2	1.5	176	294	2000	3000	32020X	2007120	32.5	106	115	138	146	2	1.5	0.46	1.3	0.72	1.95
	150	39	39	32.5	2	1.5	224	390	2000	3000	33020	3007120	29	109	109	135	143	1.5	1.5	0.28	2.1	1.1	2.4
	165	52	52	40	2.5	2	325	523	2000	3000	33120	3007720	40.1	112	112	142	159	2	2	0.41	1.48	0.81	4.29
	180	37	34	29	3	2.5	255	330	1900	2800	30220	7220E	36.1	110	121	163	172	2.5	2	0.42	1.4	0.79	3.78
	180	49	46	39	3	2.5	325	450	1800	2600	32220	7520E	41.5	110	122	161	174	2.5	2	0.42	1.4	0.79	5.05
	180	63	63	48	3	2.5	429	655	1700	2400	33220	3007220	43	112	112	151	168	2	2	0.4	1.5	0.8	6.95
	215	51.5	47	39	4	3	365	435	1700	2400	30320	7320E	41.7	116	130	193	204	3	2.5	0.35	1.7	0.95	7.94
	215	56.5	51	35	4	3	374	465	1600	2200	31320	27320E	65	114	121	168	202	2.5	2.5	0.83	0.72	0.4	8.6
	215	77.5	73	60	4	3	565	755	1600	2200	32320	7620E	53.2	114	130	190	206	3	2.5	0.35	1.7	0.96	12.7
105	145	25	25	20	1.5	1.5	119	212	1700	2400	32921	2007921	25.3	111	117	136	141	1.5	1.5	0.34	1.8	0.96	1.23
	160	35	35	26	2.5	2	204	340	1900	2800	32021X	2007121	34.3	112	122	146	155	2	2	0.44	1.4	0.74	2.48
	160	43	43	34	2.5	2	246	430	1900	2800	33021	3007121	31	117	115	150	153	2	2	0.28	2.1	1.1	3.05
	175	56	56	44	2.5	2	360	607	1700	2400	33121	3007721	43.2	116	117	150	169	2	2	0.4	1.48	0.82	5.33
	190	39	36	30	3	2.5	280	365	1800	2600	30221	7221E	38.1	116	127	172	182	2.5	2	0.42	1.4	0.79	4.52
	190	53	50	43	3	2.5	360	510	1800	2600	32221	7521E	44.8	115	128	170	183	2.5	2	0.42	1.4	0.79	6.26
	190	68	68	52	3	2.5	497	790	1800	2600	33221	3007221	48.8	117	119	159	182	2.5	2	0.4	1.49	0.82	8.43
	225	53.5	49	41	4	3	395	470	1600	2200	30321	7321E	43.5	121	136	202	214	3	2.5	0.35	1.7	0.95	9.11
	225	58	53	36	4	3	397	489	1600	2200	31321	27321E	70.3	126	123	193	211	3	2.5	0.83	0.73	0.4	9.72
	225	81.5	77	63	4	3	585	780	1500	2000	32321	7621E	55	119	137	199	215	3	2.5	0.35	1.7	0.95	14.2
106	160	35	35	26	6.4	2	201	335	1900	2800	320/106		34	116	127	150	154	6	2	0.44	1.35	0.8	2.3



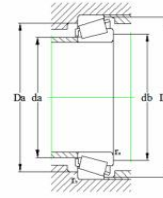
Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
110	150	25	25	20	1.5	1.5	123	224	2000	3000	32922	2007922	26.5	116	122	141	146	1.5	1.5	0.36	1.7	0.93	1.29
	170	38	38	29	2.5	2	236	390	1800	2600	32022X	2007122	35.9	117	128	156	165	2	2	0.43	1.4	0.77	3.09
	170	47	47	37	2.5	2	281	500	1800	2600	33022	3007122	34	123	120	160	161	2	2	0.28	2.1	1.1	3.85
	180	56	56	43	2.5	2	369	630	1800	2600	33122	3007722	44	121	120	170	174	2	2	0.43	1.4	0.8	5.55
	200	41	38	32	3	2.5	315	420	1700	2400	30222	7222E	40.1	121	134	181	192	2.5	2	0.42	1.4	0.79	5.28
	200	56	53	46	3	2.5	400	565	1700	2400	32222	7522E	47.2	121	135	179	193	2.5	2	0.42	1.4	0.79	7.35
	240	54.5	50	42	4	3	485	595	1600	2200	30322	7322E	45.1	129	143	216	228	3	2.5	0.35	1.7	0.96	11
	240	63	57	38	4	3	457	585	1400	1900	31322	27322E	72		124								12
	240	84.5	80	65	4	3	675	910	1400	1900	32322	7622E	58.5	127	144	213	229	3	2.5	0.35	1.7	0.96	17.1
120	165	29	29	23	1.5	1.5	157	283	1700	2400	32924	2007924	29.2	126	133	155	161	1.5	1.5	0.35	1.7	0.95	18
	180	38	38	29	2.5	2	242	405	1700	2400	32024X	2007124	39.7	127	138	165	175	2	2	0.46	1.3	0.72	3.27
	180	48	48	38	2.5	2	292	540	1800	2600	33024	3007124	36	132	130	170	171	2	2	0.31	1.97	1.08	4.2
	200	62	62	48	2.5	2	462	785	1700	2400	33124	3007724	47.8	133	132	172	192	2	2	0.4	1.51	0.83	7.73
	215	43.5	40	34	3	2.5	335	450	1600	2200	30224	7224E	44.4	132	145	195	206	2.5	2	0.44	1.4	0.76	6.28
	215	61.5	58	50	3	2.5	440	635	1600	2200	32224	7524E	52	131	146	192	208	2.5	2	0.44	1.4	0.76	9
	260	59.5	55	46	4	3	535	655	1500	2000	30324	7324E	50	139	155	234	247	3	2.5	0.35	1.7	0.96	13.9
	260	68	62	42	4	3	530	735	1200	1700	31324	27324E	82	145	134	246	244	2.5	2.5	0.83	0.7	0.4	16
	260	90.5	86	69	4	3	770	1060	1300	1800	32324	7624E	62.4	137	155	230	248	3	2.5	0.35	1.7	0.96	21.8
130	180	32	32	25	2	1.5	198	365	1700	2400	32926	2007926	31	141	139	167	173	1.5	1.5	0.33	1.8	1	2.4
	200	45	45	34	2.5	2	320	535	1600	2200	32026X	2007126	43.9	139	151	184	195	2	2	0.43	1.4	0.76	5.06
	200	55	55	43	2.5	2	390	705	1500	2000	33026	3007126	42.5	143	142	178	192	2	2	0.34	1.76	0.97	6.19



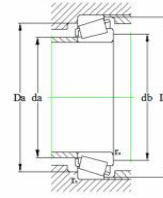
Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
230	43.8	40	34	34	4	3	330	435	1500	2000	30226	7226E	42.8	145	158	211	222	3	2.5	0.39	1.5	0.85	6.83
230	67.8	64	54	54	4	3	495	740	1500	2000	32226	7526E	53.5	141	158	206	222	3	2.5	0.39	1.5	0.85	11
280	63.8	58	49	49	5	4	545	675	1300	1800	30326	7326E	53.9	152	169	251	265	4	3	0.36	1.7	0.92	16.6
280	72	66	44	44	5	4	600	830	1100	1600	31326	27326E	87	157	148	262	261	5	4	0.83	0.7	0.4	19.4
280	98.8	93	78	78	5	4	830	1150	1100	1600	32326	7626	69.2	150	172	248	269	4	3	0.36	1.7	0.92	26.6
140	190	32	32	25	2	1.5	205	390	1600	2200	32928	2007928	33	150	149	181	184	1.5	1.5	0.35	1.7	0.9	2.55
	195	29	27	21	3	3	194	325	1600	2200	32928X3		40	151	152	180	181	2	2.5	0.5	1.2	0.7	2.4
	210	45	45	34	2.5	2	325	555	1600	2200	32028X	2007128	46.6	148	161	193	205	2	2	0.46	1.3	0.72	5.32
	210	56	56	44	2.5	2	406	758	1500	2000	33028	3007128	45.6	152	152	186	202	2	2	0.36	1.67	0.92	6.61
	250	45.8	42	36	4	3	390	515	1400	1900	30228	7228E	48.9	154	169	228	240	3	2.5	0.44	1.4	0.76	8.74
	250	71.8	68	58	4	3	610	915	1400	1900	32228	7528E	60.5	152	171	224	242	3	2.5	0.44	1.4	0.76	14.3
	300	67.8	62	53	5	4	600	740	1200	1700	30328	7328E	57.4	162	180	269	284	4	3	0.36	1.7	0.92	20.1
	300	77	70	47	5	4	670	950	1000	1500	31328	27328E	94	169	158	282	280	3	3	0.83	0.7	0.4	23.8
	300	108	102	85	5	4	985	1440	950	1400	32328	7628E	76.4	161	185	265	288	4	3	0.37	1.6	0.88	33.9
150	210	38	38	30	2.5	2	270	500	1500	2000	32930	2007930	36	148	171	193	205	2	2	0.33	1.8	1	3.88
	225	48	48	36	3	2.5	375	650	1500	2000	32030X	2007130	49.8	159	173	206	219	2.5	2	0.46	1.3	0.72	6.6
	225	59	59	46	3	2.5	457	865	1500	2000	33030	3007130	48	164	162	213	217	2.5	2	0.37	1.6	0.9	8.15
	270	49	45	38	4	3	435	570	1300	1800	30230	7230E	50.2	165	180	246	259	3	2.5	0.43	1.4	0.77	10.7
	270	77	73	60	4	3	595	900	1200	1700	32230	7530E	64	166	184	242	260	3	2.5	0.4	1.5	0.82	17.1
	320	72	65	55	5	4	690	860	1100	1600	30330	7330E	61.4	174	193	288	304	4	3	0.36	1.7	0.92	24.2
	320	82	75	50	5	4	765	1080	950	1400	31330	27330E	100	181	168	302	300	3	3	0.83	0.7	0.4	28.9
	320	114	108	90	5	4	1120	1700	950	1400	32330	7630E	81.5	173	198	282	306	4	3	0.37	1.6	0.88	41.4



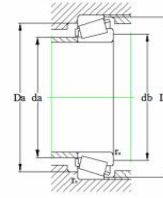
Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
160	220	38	36	31	2.5	2	250	455	1100	1600	32932	2007932	39.3	168	178	206	215	2	2	0.35	1.7	0.95	4.06
	240	51	51	38	3	2.5	425	750	1300	1800	32032X	2007132	53	169	184	221	234	2.5	2	0.46	1.3	0.72	7.93
	290	52	48	40	4	3	470	610	1100	1600	30232	7232E	55	178	195	266	279	3	2.5	0.43	1.4	0.77	13.1
	290	84	80	67	4	3	725	1120	1100	1600	32232	7532E	70.1	177	197	261	281	3	2.5	0.4	1.5	0.82	22.1
	340	75	68	58	5	4	765	960	1000	1500	30332	7332E	64.6	185	205	307	323	4	3	0.36	1.7	0.92	28.4
	340	87	79	54	5	4	850	1220	1000	1500	31332	27332E	107	185	205	307	323	4	3	0.83	0.7	0.4	34.5
	340	121	114	95	5	4	1210	1770	950	1400	32332	7632E	87.1	183	210	301	327	4	3	0.37	1.6	0.88	48.3
170	230	38	36	31	2.5	2	258	485	1200	1700	32934	2007934	41.6	178	188	216	225	2	2	0.36	1.6	0.9	4.3
	260	57	57	43	3	2.5	505	890	1200	1700	32034X	2007134	56.6	180	196	239	253	2.5	2	0.44	1.4	0.74	10.6
	310	57	52	43	5	4	525	690	1000	1500	30234	7234E	59.8	189	207	282	297	4	3	0.43	1.4	0.77	16.1
	310	91	86	71	5	4	835	1320	1000	1500	32234	7534E	73.9	188	210	278	299	4	3	0.4	1.5	0.82	27.6
	360	80	72	62	5	4	845	1080	950	1400	30334	7334E	70.1	198	219	326	344	4	3	0.37	1.6	0.9	33.5
	360	92	84	56	5	4	965	1400	950	1400	31334	27334E	113	198	219	326	344	4		0.83	0.7	0.4	40.9
	360	127	120	100	5	4	1370	2050	900	1300	32334	7634E	91.3	194	222	319	346	4	3	0.37	1.6	0.88	57
180	250	45	42	36	2.5	2	310	570	1200	1700	32936	2007936	48.5	189	200	234	244	2	2	0.37	1.6	0.88	6.22
	280	64	64	48	3	2.5	640	1130	1100	1600	32036X	2007136	60.4	192	208	257	272	2.5	2	0.42	1.4	0.78	14.3
	320	57	52	43	5	4	520	695	1000	1500	30236	7236E	62.1	199	215	291	306	4	3	0.44	1.4	0.74	16.6
	320	91	86	71	5	4	875	1380	950	1400	32236	7536E	75.2	198	221	289	310	4	3	0.4	1.5	0.82	28.5
	380	83	75	64	5	4	935	1230	950	1400	30336	7336E	72.4	209	230	343	360	4	3	0.36	1.7	0.92	39.3
	380	97	88	60	5	4	1040	1530	950	1400	31336	27336E	119	209	230	343	360	4	3	0.83	0.7	0.4	47.7
	380	134	126	106	5	4	1520	2290	950	1400	32336	7636E	96.6	205	232	336	364	4	3	0.37	1.6	0.88	66.8
190	260	45	42	36	2.5	2	335	645	950	1400	32938	2007938	49.9	199	210	244	254	2	2	0.39	1.5	0.85	6.59
	290	64	64	48	3	2.5	650	1170	1000	1500	32038X	2007138	63.3	202	219	267	283	2.5	2	0.44	1.4	0.75	14.9



Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
	340	60	55	46	5	4	580	790	950	1400	30238	7238E	62.7	212	230	311	326	4	3	0.4	1.5	0.82	24
	400	101	92	65	5	4	1120	1630	900	1300	31338	27338E	115	220	249	355	385	5	4	0.73	0.8	0.5	54.1
	400	140	132	109	6	5	1660	2580	850	1200	32338	7638E	102.7	220	249	355	385	5	4	0.37	1.6	0.88	78.9
200	280	51	51	39	3	2.5	475	950	1000	1500	32940	2007940	54	217	212	268	271	2.5	2	0.4	1.5	0.8	9.39
	360	64	58	48	5	4	645	890	900	1300	30240	7240E	65.5	224	242	329	345	4	3	0.4	1.5	0.82	23.8
	360	104	98	82	5	4	1090	1750	900	1300	32240	7540E	85	219	244	322	347	4	3	0.4	1.5	0.82	42
	420	89	80	67	6	5	1030	1390	850	1200	30340	7340E	81.4	229	251	372	391	5	4	0.37	1.6	0.88	52.3
	420	107	97	70	5	4	1320	1900	850	1200	31340	27340E	130	229	251	372	391	5	4	0.79	0.8	0.4	65.1
	420	146	138	115	6	5	1820	2870	800	1100	32340	7640E	106.7	229	260	372	403	5	4	0.37	1.6	0.88	90.9
220	300	51	51	39	3	2.5	475	1000	900	1300	32944	2007944	59							0.43	1.4	0.8	10.1
	340	76	76	57	4	3	885	1610	900	1300	32044X	2007144	73.6	234	254	313	331	3	2.5	0.43	1.4	0.77	24.4
	400	72	65	54	5	4	810	1150	850	1200	30244	7244E	74.6	246	266	365	381	4	3	0.4	1.5	0.82	33.6
	400	114	108	90	5	4	1340	2210	800	1100	32244	7544E	93	242	270	360	386	4	3	0.4	1.5	0.82	57.4
	460	97	88	73	6	5	1430	1990	750	1000	30344	7344E	85.3	254	277	414	434	5	4	0.36	1.7	0.92	72.4
	460	154	145	122	6	5	2020	3200	700	950	32344	7644E	114.9	250	281	405	438	5	4	0.37	1.6	0.88	114
240	320	51	51	39	3	2.5	490	1080	900	1300	32948	2007948	65	255	252	308	311	2	2	0.46	1.3	0.7	10.9
	360	76	76	57	4	3	920	1730	850	1200	32048X	2007148	79.1	253	274	332	351	3	2.5	0.46	1.3	0.72	26.2
	440	79	72	60	5	4	990	1400	800	1100	30248	7248E	85.1	267	290	401	422	4	3	0.44	1.4	0.74	45.2
	440	127	120	100	5	4	1630	2730	750	1000	32248	7548E	102.5	265	296	397	426	4	3	0.4	1.5	0.82	78
	500	105	95	80	6	5	1660	2340	750	1000	30348	7348E	92.8	277	300	449	471	5	4	0.36	1.7	0.92	92.6
	500	165	155	132	6	5	2520	4100	700	950	32348	7648E	123.2	273	307	444	479	5	4	0.37	1.6	0.88	145



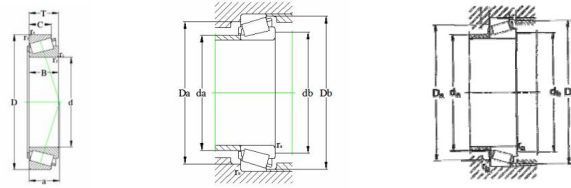
Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
260	360	63.5	63.5	48	3	2.5	710	1500	900	1300	32952	2007952	70	253	294	332	351	44		0.41	1.5	0.8	18.8
	400	87	87	65	5	4	1160	2160	800	1100	32052X	2007152	86.3	276	300	368	389	4	3	0.43	1.4	0.76	38.5
	480	89	80	67	6	5	1190	1700	700	950	30252	7252E	94.5	291	318	438	461	5	4	0.44	1.4	0.74	60.7
	480	137	130	106	6	5	1900	3300	670	900	32252	7552E	116	286	319	426	460	5	4	0.45	1.3	0.73	103
	540	113	102	85	6	6	2120	3050	630	850	30352	7352E	97	325	286	512	493	5	5	0.35	1.7	0.9	110
280	380	63.5	63.5	48	3	2.5	710	1560	800	1100	32956	2007956	75	298	292	368	368	2.5	2.5	0.43	1.4	0.8	19.9
	420	87	87	65	5	4	1180	2240	750	1000	32056X	2007156	91.6	295	320	386	409	4	3	0.46	1.3	0.72	40.6
	500	89	80	67	6	5	1240	1900	700	950	30256	7256E	98.5	313	336	456	478	5	4	0.44	1.4	0.74	66.3
300	420	76	76	57	4	3	930	2040	700	950	32960	2007960	80	324	314	406	405	3	2.5	0.39	1.5	0.8	31.3
	460	100	100	74	5	4	1440	2700	670	900	32060X	2007160	98.4	317	344	423	447	4	3	0.43	1.4	0.76	56.6
	540	96	85	71	6	5	1440	2100	650	920	30260	7260E	105.1	331	357	493	517	5	4	0.44	1.4	0.74	80.6
	540	149	140	115	6	5	2220	3700	600	800	32260	7560E	131.6	329	364	486	524	5	4	0.46	1.3	0.72	132
	580	104	92	75	6	5	1640	2420	600	800	30264	7264E	113.7	354	382	529	554	5	4	0.44	1.4	0.74	99.3
320	440	76	76	57	4	3	1000	2320	670	900	32964	2007964	86	343	334	428	426	3	2.5	0.42	1.4	0.8	33.6
	480	100	100	74	5	4	1510	2910	630	850	32064X	2007164	104.5	338	365	443	468	4	3	0.46	1.3	0.72	60
	580	104	92	75	6	5	1640	2420	600	800	30264	7264E	113.7	354	382	529	554	5	4	0.44	1.4	0.74	99.3
580	159	150	125	5	5	2620	4650	550	750	32264	7564E	142	369	342	473	551	4	4	0.47	1.27	0.7	172.1	
340	460	76	76	57	4	3	1040	2450	530	850	32968	2007968	91	361	357	440	446	3	2.5	0.44	1.4	0.8	35.4
	520	112	106	90	5	5	1650	3150	500	720	32068		103.5	374	362	452	496	4	4	0.37	1.6	0.88	78.7
360	480	76	76	57	4	3	1020	2400	600	800	32972	2007972	97	380	377	464	466	3	2.5	0.46	1.3	0.7	36.8
	540	112	106	90	5	5	1740	3300	500	720	32072X	2007172	106	394	382	476	519	4	4	0.37	1.6	0.88	83.7
	680	165	150	125	7.5	7.5	3690	6300	480	630	30272	7272E	172	416	394	551	646	6	6	0.6	1	0.6	260
380	520	87	82	71	5	4	1210	2550	530	850	32976	2007976	95.2	396	418	487	508	4	3	0.39	1.6	0.86	49.5
	560	112	106	90	5	5	1920	3800	500	720	32076X	2007176	109.5	413	402	495	539	4	4	0.37	1.6	0.88	89.3



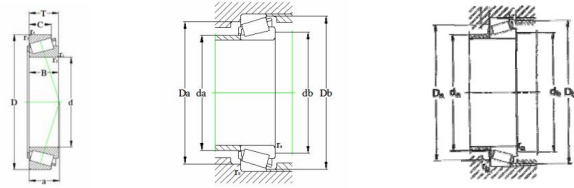
Boundary dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old		d _{bmin}	d _{amax}	D _{amax}	D _{bmin}	r _{amax}	r _{bmax}	e	y	y _o	Refer.
400	540	87	82	71	5	4	1250	2700	500	720	32980		100.8	417	439	508	530	4	3	0.4	1.5	0.82	52.7
	600	125	118	100	6	5	1960	4050	480	630	32080		115.3	424	453	553	580	5	4	0.36	1.7	0.92	116
420	560	87	82	72	5	4	1300	2810	480	630	32984		106.1	436	458	528	550	4	3	0.41	1.5	0.81	54.8
	620	125	118	100	6	5	2000	4200	450	600	32084		120	444	473	572	600	5	4	0.37	1.6	0.88	121
440	600	100	95	82	4	4	1600	3450	450	600	32988		106	473	458	543	581	3	3	0.35	1.7	0.93	76
	650	130	122	104	6	6	2230	4600	400	550	32088		126.3	467	496	602	630	5	5	0.36	1.7	0.92	136
440	650	130	122	104	6	6	2230	4600	400	550	32088		126.3	467	496	602	630	5	5	0.36	1.7	0.92	136

Single-row taper roller bearings (Inch series)

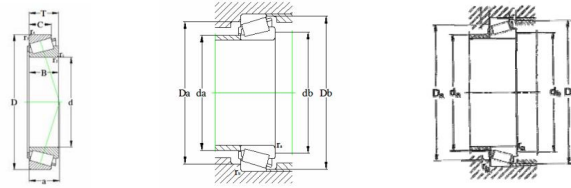
WNBZ



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Spacings	d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
95.25	190.5	57.15	57.531	46.038	7.9	3.2	440	602	2300	3400	HH221440/HH221410	Spacings	119	115	168	179	7.9	3.2	0.33	1.79	0.99	7.37
96.838	148.43	28.575	28.971	21.433	3.6	3	143	225	2300	3400	42381/42584	31.9	108	108	133	140	3.6	3	0.49	1.22	0.67	1.64
	188.913	50.8	46.038	31.75	3.6	3.2	276	357	2300	3400	90381/90744	63	115	108	161	179	3.6	3.2	0.87	0.69	0.38	5.68
98.425	161.925	36.512	36.116	26.195	3.6	3.2	180	288	2200	3300	52387/52637	36	114	110	142	151	3.6	3.2	0.47	1.26	0.69	2.74
	168.275	41.275	41.275	30.162	3.6	3.2	224	349	2200	3300	685/672	38.6	115	110	147	156	3.6	3.2	0.47	1.28	0.7	3.51
	180.975	47.625	48.006	38.1	3.6	3.2	288	438	2100	3200	779/772	39.5	120	110	156	166	3.6	3.2	0.39	1.56	0.86	5.2
	184.15	63.5	63.5	52.388	6.4	3.2	445	687	2100	3200	HH421246/HH421210	46.2	117	115	161	174	6.4	3.2	0.37	1.6	0.88	7.45
	190.5	57.15	57.531	44.45	3.6	3.2	353	504	2100	3200	866/854	40	120	110	162	172	3.6	3.2	0.33	1.79	0.99	6.99
	190.5	57.15	57.531	46.038	3.6	3.2	440	602	2100	3200	HH221442/HH221410	42.5	119	110	168	179	3.6	3.2	0.33	1.79	0.99	7.18
99.212	171.45	49.213	49.213	38.1	3.6	3.2	295	434	2200	3200	HM321245/HM321210	36.6	116	110	153	162	3.6	3.2	0.34	1.75	0.96	4.45
99.975	144.975	25.4	25.4	19.05	1.6	1.6	125	216	2200	3200	LM720646/LM720611	30.1	113	107	134	140	1.6	1.6	0.46	1.31	0.72	1.34
	156.975	42	42	34	7.9	3.6	245	396	2200	3200	HM220149/HM220110	32.4	120	112	143	150	7.9	3.6	0.33	1.8	0.99	2.9
	210	67	66.675	53.975	3.6	3.2	450	674	2200	3200	944A/933	47.9	135	111	181	193	3.6	3.2	0.33	1.84	1.01	10.9
	212.725	66.675	66.675	53.975	3.6	3.2	513	699	2200	3200	HH224334/HH224310	47.6	134	111	190	201	3.6	3.2	0.33	1.84	1.01	10.9
99.982	190.5	57.15	57.531	46.038	6.4	3.2	440	602	2200	3200	HH221447/HH221410	42.5	119	117	168	179	6.4	3.2	0.33	1.79	0.99	7.06
100	155	36	35	28	3	2.5	191	325	1900	2800	JM720249/JM720210	36.8	108	118	140	150	3	2.5	0.47	1.3	0.7	2.45
	160	41	40	32	3	2.5	239	380	1900	2800	HJM720249/HJM720210	38.2	119	107	144	155	3	2.5	0.47	1.3	0.7	3.07
	161.925	36.513	36.116	26.195	3.6	3.2	180	288	1900	2800	52394X/52637	36	114	111	142	151	3.6	3.2	0.47	1.26	0.69	2.67
	174.625	47.625	48.006	38.1	3.6	3.2	288	438	1800	2700	783/772A	39.4	120	111	156	166	3.6	3.2	0.39	1.56	0.86	4.57
	180.975	47.625	48.006	38.1	3.5	3.3	258	375	1800	2700	783/772	39.1	123	111	160	172	3.5	3.3	0.39	1.6	0.86	4.96
	189.997	57	57.531	48	6	3	353	504	1700	2600	863X/853	39.8	120	116	163	174	6	3	0.33	1.79	0.99	6.94
	190.5	57.15	57.531	44.45	6	3.3	355	500	1700	2600	863X/854	41.8	126	111	168	181	6	3.3	0.33	1.8	0.99	6.81
	200	52.761	49.213	34.925	3.6	3.2	347	471	1700	2600	98394X/98788	54.7	123	111	171	185	3.6	3.2	0.63	0.95	0.52	6.91



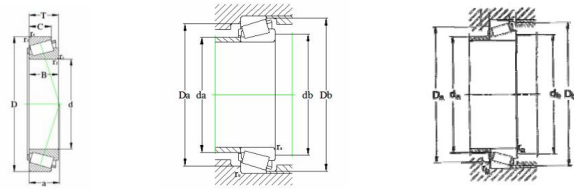
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
	212.725	66.675	66.675	53.975	3.5	3.3	570	810	1700	2600	HH224334/HH224310	47.3	133	118	191	206	3.5	3.3	0.33	1.8	1	11.4
	250.825	76.2	73.025	50.8	6.4	3.2	442	575	1700	2600	EE215039/215096	72.4	140	117	201	225	6.4	3.2	0.7	0.85	0.47	17.3
100.012	157.162	36.512	36.116	26.195	3.5	3.3	191	310	1900	2800	52393/52618	36.1	119	108	142	153	3.5	3.3	0.47	1.3	0.69	2.51
	161.925	39.688	36.116	29.37	3.5	3.3	191	310	1900	2800	52393/52638	39.2	119	108	143	155	3.5	3.3	0.47	1.3	0.69	2.92
100.813	174.625	47.625	47.625	38.1	3.6	3.2	288	438	1900	2800	789/772A	39.4	120	113	156	166	3.6	3.2	0.39	1.56	0.86	4.51
101.6	136.525	21.433	21.433	16.67	1.6	1.6	86	162	1900	2800	L420449/L420410	24.3	111	110	126	130	1.6	1.6	0.37	1.63	0.9	0.852
	146.05	21.433	21.433	16.67	1.6	1.6	86.4	167	1900	2800	L521945R/L521910	26.2	119	110	134	139	1.6	1.6	0.39	1.53	0.84	1.17
	146.05	25.4	25.4	19.05	1.6	1.6	125	216	1900	2800	LM720648/LM720610	30.1	113	110	134	140	1.6	1.6	0.46	1.31	0.72	1.32
	157.162	36.512	36.116	26.195	3.5	3.3	191	310	1900	2800	52400/52618	36.1	120	109	142	153	3.5	3.3	0.47	1.3	0.69	2.45
	161.925	36.512	36.116	26.195	3.5	3.3	191	310	1900	2800	52400/52637	36.1	120	109	144	155	3.5	3.3	0.47	1.3	0.69	2.69
	168.275	41.275	41.275	34.925	3.5	3.3	223	345	1900	2800	687/672A	38.3	121	109	149	162	3.5	3.3	0.47	1.3	0.7	3.49
	168.275	41.275	41.275	30.162	3.5	3.3	223	345	1900	2800	687/672	38.3	121	109	149	161	3.5	3.3	0.47	1.3	0.7	3.39
	174.625	47.625	48.006	38.1	3.6	3.2	288	438	1900	2800	780/772A	39.4	120	114	156	166	3.6	3.2	0.39	1.56	0.86	4.47
	180	48	50.8	40	3.6	3	288	438	1800	2600	781X/773	39.8	120	114	156	167	3.6	3	0.39	1.56	0.86	5.05
	180.975	47.625	48.006	38.1	3.5	3.3	258	375	1800	2600	780/772	39.1	124	111	160	172	3.5	3.3	0.39	1.6	0.86	4.86
	189.997	57	57.531	48	7.9	3	353	504	1800	2600	861/853	39.8	120	122	163	174	7.9	3	0.33	1.79	0.99	6.81
	190.5	57.15	57.531	46.038	8	3.3	390	520	1800	2600	HH221449/HH221410	42.3	131	113	170	183	8	3.3	0.33	1.8	0.99	6.79
	190.5	57.15	57.531	44.45	8	3.3	355	500	1800	2600	861/854	41.8	130	112	168	181	8	3.3	0.33	1.8	0.99	6.68
	200	52.761	49.212	34.925	3.5	3.3	315	425	1800	2600	98400/98788	54.4	132	114	174	191	3.5	3.3	0.63	0.95	0.52	6.81
	200.025	61.912	57.531	50.8	8	3.3	390	520	1800	2600	HH221449/HH221416	47	131	113	174	188	8	3.3	0.33	1.8	0.99	8.29
	212.725	66.675	66.675	53.975	7	3.3	570	810	950	1400	HH224335/HH224310	47.3	137	119	191	206	7	3.3	0.33	1.8	1	11.2
	212.725	66.675	66.675	53.975	7	3.3	475	700	950	1400	941/932	46.9	136	118	187	201	7	3.3	0.33	1.8	1	11.2
	214.313	55.563	52.388	39.688	3.6	3.2	404	578	950	1400	H924033/H924010	62.3	114	134	185	203	3.6	3.2	0.67	0.89	0.49	9.21



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
250.825	76.2	73.025	50.8	6.4	6.4	485	635	1500	2000	EE215040/215098	72.8	146	122	207	236	6.4	6.4	0.7	0.86	0.47	17	
250.825	76.2	73.025	50.8	6.4	6.4	530	645	1500	2000	HH923649/HH923610	73.3	145	118	210	238	6.4	6.4	0.7	0.86	0.47	16.8	
250.825	76.2	73.025	50.8	6.4	3.3	530	645	1500	2000	HH923649/HH923611	73.3	145	118	213	238	6.4	3.3	0.7	0.86	0.47	16.8	
103.188	168.275	41.275	41.275	30.163	3.6	3.2	224	349	1500	2000	689/672	38.7	115	115	147	156	3.6	3.2	0.47	1.28	0.7	3.27
104.775	174.625	47.625	48.006	38.1	3.6	3.2	288	438	1800	2600	782/772A	39.4	120	117	156	166	3.6	3.2	0.39	1.56	0.86	4.28
	174.625	47.625	48.006	38.1	6.4	3.2	288	438	1800	2600	786/772A	39.4	123	120	156	166	6.4	3.2	0.39	1.56	0.86	4.27
	174.625	47.625	48.006	38.1	7.1	3.2	288	438	1800	2600	787/772A	39.4	124	120	156	166	7.1	3.2	0.39	1.56	0.86	4.26
	180.975	47.625	48.006	38.1	3.5	3.3	258	375	1800	2600	782/772	39.1	125	113	160	172	3.5	3.3	0.39	1.6	0.86	4.67
	180.975	47.625	48.006	38.1	6.4	3.3	258	375	1800	2600	786/772	39.1	128	113	160	172	6.4	3.3	0.39	1.6	0.86	4.65
	180.975	47.625	48.006	38.1	7	3.3	258	375	1800	2600	787/772	39.1	129	113	160	172	7	3.3	0.39	1.6	0.86	4.65
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	71412/71750	40.1	131	119	171	183	3.5	3.3	0.42	1.4	0.79	5.71
	165.1	36.513	36.513	26.988	3.6	3.2	184	300	1900	2800	56413/56650	38.5	120	117	148	157	3.6	3.2	0.5	1.21	0.66	2.71
	177.8	41.275	41.275	30.162	3.6	3.2	227	365	1900	2800	64413/64700	42.8	127	117	160	170	3.6	3.2	0.52	1.16	0.64	3.99
106.362	165.1	36.512	36.512	26.988	3.5	3.3	195	320	1900	2800	56418/56650	38.6	126	114	148	160	3.5	3.3	0.5	1.2	0.66	2.73
	168.275	36.513	36.512	26.988	3.5	3.3	195	320	1900	2800	56418/56662	38.6	126	114	150	161	3.5	3.3	0.5	1.2	0.66	2.91
107.95	146.05	21.432	21.432	16.67	1.6	1.6	86.4	167	1900	2800	L521949R/L521910	26.2	119	116	134	139	1.6	1.6	0.39	1.53	0.84	0.99
	158.75	23.02	21.438	15.875	3.5	3.3	102	165	1900	2800	37425/37625	37	124	115	143	152	3.5	3.3	0.61	0.99	0.54	1.37
	159.987	34.925	34.925	26.988	3.5	3.3	164	315	1900	2800	LM522546/LM522510	33.7	126	117	145	154	3.5	3.3	0.4	1.5	0.82	2.43
	161.925	34.925	34.925	26.988	3.5	3.3	164	280	1900	2800	48190/48120	38.7	126	115	145	157	3.5	3.3	0.51	1.2	0.65	2.42
	165.1	36.512	36.512	26.988	3.5	3.3	195	320	1900	2800	56425/56650	38.6	127	115	148	160	3.5	3.3	0.5	1.2	0.66	2.66
	168.275	36.512	36.512	26.988	3.5	3.3	195	320	1900	2800	56425/56662	38.6	127	115	150	161	3.5	3.3	0.5	1.2	0.66	2.83
	171.45	34	30.163	25.268	3.6	3.2	177	254	1800	2600	67425/67675	39.3	124	120	153	161	3.6	3.2	0.47	1.27	0.7	2.63
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1700	2400	71425/71750	40.1	133	121	171	183	3.5	3.3	0.42	1.4	0.79	5.5
	191.975	47.625	49.213	34.925	3.6	3.2	303	483	1700	2400	71425/71753	40.9	131	120	168	177	3.6	3.2	0.42	1.44	0.79	5.58

Single-row taper roller bearings (Inch series)

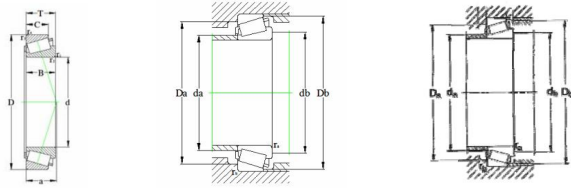
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
206.375	66.675	66.675	53.975	13.5	3.2	450	674	1700	2400	935/930	47.6	140	135	181	193	13.5	3.2	0.33	1.84	1.01	9.62	
206.375	66.675	66.675	53.975	7.9	3.2	450	674	1700	2400	936/930	47.6	135	129	181	193	7.9	3.2	0.33	1.84	1.01	9.69	
212.725	66.675	66.675	53.975	8	3.3	570	810	1700	2400	HH224340/HH224310	47.3	142	122	191	206	8	3.3	0.33	1.8	1	10.6	
212.725	66.675	66.675	53.975	8	3.3	475	700	1700	2400	936/932	46.9	140	121	187	201	8	3.3	0.33	1.8	1	10.7	
109.538	158.75	23.02	21.438	15.875	6.4	6.4	104	169	1900	2800	37431/37625	36.5	122	120	142	148	6.4	6.4	0.61	0.99	0.54	1.33
109.9	212.725	66.675	74	53.975	SP	3.2	450	674	1800	2600	937XA/932	47.6	135	115	181	193	SP	3.2	0.33	1.84	1.01	10.7
109.952	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	71432/71750	40.1	134	122	171	183	3.5	3.3	0.42	1.4	0.79	5.37
	199.975	50	49.213	36.8	3.6	4	303	483	1800	2600	71432/71788	43.3	131	122	167	177	3.6	4	0.42	1.44	0.79	6.3
109.974	177.8	41.275	41.275	30.162	3.5	3.3	251	415	1800	2600	64432/64700	42	126	123	164	171	3	3	0.52	1.15	0.6	3.7
	180	41.275	41.275	30.162	3.5	3.3	251	415	1800	2600	64432/64708	42	126	123	166	171	3	3	0.52	1.15	0.6	3.9
109.985	214.313	55.563	52.388	39.688	3.6	3.2	404	578	1800	2600	H924043/H924010	62.3	134	122	185	203	3.6	3.2	0.67	0.89	0.49	8.65
	159.987	34.925	34.925	26.988	8	3.3	164	315	1900	2800	LM522548/LM522510	33.7	132	118	145	154	8	3.3	0.4	1.5	0.82	2.31
	159.987	34.925	34.925	26.988	3.5	3.3	164	315	1900	2800	LM522549/LM522510	33.7	127	118	145	154	3.5	3.3	0.4	1.5	0.82	2.33
	164.737	37.313	34.925	32.131	3.6	2.4	184	319	1800	2600	LM522549/LM522518	35.3	122	121	146	155	3.6	2.4	0.4	1.5	0.82	2.62
109.992	177.8	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	64433/64700	42.4	132	119	160	173	3.5	3.3	0.52	1.2	0.64	3.75
	178	41.275	41.275	30.163	3.6	3	227	365	1800	2600	64433/64701X	42.8	127	122	160	170	3.6	3	0.52	1.16	0.64	3.73
	180	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	64433/64708	42.4	126	123	166	171	3	3	0.52	1.15	0.6	3.9
110	165	35	35	26.5	3	2.5	195	320	1800	2600	JM822049/JM822010	38.1	127	116	149	160	3	2.5	0.5	1.2	0.66	2.48
	180	47	46	38	3	2.5	310	490	1800	2600	IHM522649/JHM522610	40.9	131	118	162	174	3	2.5	0.41	1.5	0.81	4.62
	186.975	45	49.213	35.001	3.6	5.2	303	483	1800	2600	71433X/71736	38.3	131	122	169	179	3.6	5.2	0.42	1.44	0.79	4.92
	206.35	66.675	66.675	53.975	6.4	3.2	450	674	1800	2600	942/930	47.6	135	128	181	193	6.4	3.2	0.33	1.84	1.01	9.53
	212.725	66.675	66.675	53.975	6.4	3.2	450	674	1800	2600	942/932	47.6	135	128	181	193	6.4	3.2	0.33	1.84	1.01	10.4
110.333	171.45	34	30.163	25.268	3.6	3.2	177	254	1800	2600	67434/67675	39.3	124	123	153	161	3.6	3.2	0.47	1.27	0.7	2.53

Single-row taper roller bearings (Inch series)

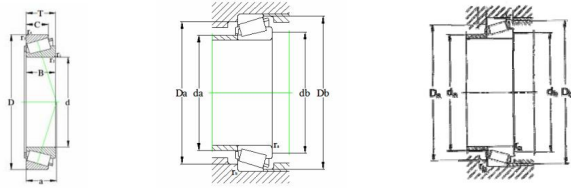
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
111.125	171.45	34	30.163	25.268	3.6	3.2	177	254	1800	2600	67437/67675	39.3	124	123	153	161	3.6	3.2	0.47	1.27	0.7	2.5
	180.975	41.275	41.275	30.163	3.6	3.2	227	365	1800	2600	64437/64713	42.8	127	123	160	170	3.6	3.2	0.52	1.16	0.64	3.86
	186.975	45	49.212	35.001	3.6	3.2	303	483	1800	2600	71437/71736	38.3	131	123	169	179	3.6	5.2	0.42	1.44	0.79	4.85
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	71437/71750	40.1	135	122	171	183	3.5	3.3	0.42	1.4	0.79	5.29
	214.312	55.562	52.388	39.688	3.5	3.3	355	490	1800	2600	H924045/H924010	62.4	143	124	187	206	3.5	3.3	0.67	0.89	0.49	8.32
111.917	206.375	66.675	66.675	53.975	13.5	3.2	450	674	1800	2600	947/930	47.6	144	135	181	193	13.5	3.2	0.33	1.84	1.01	9.26
114.3	152.4	21.433	21.433	16.67	1.5	1.5	89.5	178	1800	2600	L623149/L623110	27.4	127	121	142	148	1.5	1.5	0.41	1.5	0.8	1.07
	155.575	21.433	21.433	21.433	1.6	1.6	96.4	197	1800	2600	L623149/L623114	27.7	125	123	142	148.1	1.6	0.41	1.45	0.8	1.24	
	177.8	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	64450/64700	42.4	135	122	160	173	3.5	3.3	0.52	1.2	0.64	3.5
	178	41.275	41.275	30.163	3.6	3	227	365	1800	2600	64450/64701X	42.8	127	127	160	170	3.6	3	0.52	1.16	0.64	3.49
	179.975	34.925	31.75	25.4	3.6	0.8	171	247	1800	2600	68450/68709	40.7	131	127	161	169	3.6	0.8	0.5	1.21	0.66	2.87
	179.975	34.925	31.75	25.4	3.6	0.8	171	247	1800	2600	68450A/68709	40.7	131	127	161	169	3.6	0.8	0.5	1.21	0.66	2.87
	180	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	64450/64708	42.4	135	122	166	171	3.5	3.3	0.52	1.2	0.64	3.8
	180	34.925	31.75	25.4	3.5	0.8	174	254	1800	2600	68450/68709	40	134	124	165	173	3.5	0.8	0.5	1.2	0.66	2.95
	180.975	34.925	31.75	25.4	3.5	3.3	174	254	1800	2600	68450/68712	40	134	124	163	174	3.5	3.3	0.5	1.2	0.66	2.93
	186.975	45	49.212	35.001	3.6	5.2	303	483	1800	2600	71450/71736	38.3	131	127	169	179	3.6	5.2	0.42	1.44	0.79	4.64
	186.975	45	49.212	35.001	3.6	5.2	303	483	1800	2600	71451/71736	38.3	131	127	169	179	3.6	5.2	0.42	1.44	0.79	4.64
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1700	2400	71450/71750	40.1	135	124	171	183	3.5	3.3	0.42	1.4	0.79	5.07
	192	47.625	49.212	34.925	3.5	3.3	296	465	1700	2400	71450/71753	40	136	124	178	178	3	3	0.42	1.4	0.79	5.4
	206.375	66.675	66.675	53.975	7.1	3.2	450	674	1700	2400	938/930	47.6	135	134	181	193	7.1	3.2	0.33	1.84	1.01	9.13
	212.725	66.675	66.675	53.975	7	3.3	570	810	1700	2400	HH224346/HH224310	47.3	144	125	191	206	7	3.3	0.33	1.8	1	10.1
	212.725	66.675	66.675	53.975	7	3.3	475	700	1700	2400	938/932	46.9	142	124	187	201	7	3.3	0.33	1.8	1	10.1
	212.725	66.675	66.675	53.975	7	3.3	512	765	1700	2400	HH224346/HH224310	47	136	132	201	202	6	3	0.33	1.8	1	10.5

Single-row taper roller bearings (Inch series)

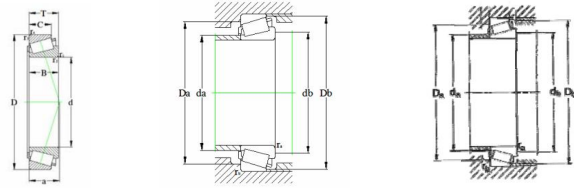
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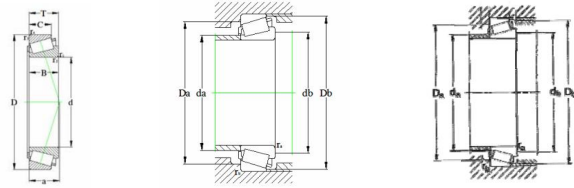
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
228.6	53.975	49.428	38.1	3.5	3.5	3.3	375	530	1300	1800	HM926740/HM926710	67.7	152	133	201	223	3.5	3.3	0.74	0.81	0.45	9.52
228.6	53.975	49.428	38.1	3.5	3.5	3.3	330	475	1300	1800	97450/97900	67.5	151	131	198	219	3.5	3.3	0.74	0.82	0.45	9.52
273.05	82.55	82.55	53.975	6.4	6.4	6.4	685	870	1200	2000	HH926744/HH926710	77	162	134	234	261	6.4	6.4	0.63	0.95	0.52	21.8
279.4	82.55	82.55	53.975	6.4	6.4	6.4	660	909	1200	2000	EE514045/514110	77.8	159	132	228	252	6.4	6.4	0.65	0.92	0.51	24.2
279.4	82.55	82.55	53.975	6.4	6.4	6.4	685	870	1200	2000	HH926744/HH926716	77	162	134	237	264	6.4	6.4	0.63	0.95	0.52	23
114.976	177.8	41.275	41.275	30.162	3.6	3.2	227	365	1800	2600	64452/64700	42.8	127	127	160	170	3.6	3.2	0.52	1.16	0.64	3.43
	177.8	41.275	41.275	30.162	9	3.3	251	415	1800	2600	64452A/64700	42	135	126	164	171	8	3	0.52	1.15	0.6	3.55
	180	41.275	41.275	30.162	9	3.3	251	415	1800	2600	64452A/64708	42	135	126	166	171	8	3	0.52	1.15	0.6	3.75
	212.725	66.675	66.675	53.975	7	3.3	570	810	1100	1600	HH224349/HH224310	47.3	144	125	191	206	7	3.3	0.33	1.8	1	10
115	177.8	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	64452/64700	42.4	135	122	160	173	3.5	3.3	0.52	1.2	0.64	3.46
115.087	186.975	45	49.212	35.001	3.6	5.2	303	483	1800	2600	71453/71736	38.3	131	127	169	179	3.6	5.2	0.42	1.44	0.79	4.58
	186.975	45	49.212	35.001	7.9	5.2	303	483	1800	2600	71455/71736	38.3	136	131	169	179	7.9	5.2	0.42	1.44	0.79	4.55
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	71453/71750	40.1	137	124	171	183	3.5	3.3	0.42	1.4	0.79	5.02
	190.5	47.625	49.212	34.925	7.9	3.2	303	483	1800	2600	71455/71750	40.9	136	131	168	177	7.9	3.2	0.42	1.44	0.79	4.97
117.373	195.263	53.975	57.15	44.45	1.6	3.2	365	599	1800	2600	HM124644/HM124618	35.9	136	126	173	181	1.6	3.2	0.26	2.27	1.25	6.36
117.475	179.975	34.925	31.75	25.4	3.6	0.8	171	247	1800	2600	68462/68709	40.7	131	130	161	169	3.6	0.8	0.5	1.21	0.66	2.73
	179.975	34.925	31.75	25.4	7.9	0.8	171	247	1800	2600	68463/68709	40.7	138	131	161	169	7.9	0.8	0.5	1.21	0.66	2.7
	180.975	34.925	31.75	25.4	3.5	3.3	174	254	1800	2600	68462/68712	40	135	125	163	174	3.5	3.3	0.5	1.2	0.66	2.78
117.975	186.975	42.376	45	35.001	5.2	5.2	303	483	1800	2600	71464/71736	38.4	133	131	169	179	5.2	5.2	0.42	1.44	0.79	4.2
119.063	195.263	53.975	57.15	44.45	1.6	3.2	365	599	1700	2500	HM124646/HM124618	35.9	136	127	173	181	9.5	1.6	0.26	2.27	1.25	6.22
119.949	195.263	53.975	57.15	44.45	3	3.2	365	599	1700	2500	HM124649/HM124618	35.9	136	131	173	181	9.5	3	0.26	2.27	1.25	6.14
	204.775	55.563	60.325	45.237	3.2	3.2	412	658	1700	2500	HM125943/HM125910	41.1	142	131	183	192	10.3	3.2	0.3	1.97	1.08	7.48

Single-row taper roller bearings (Inch series)

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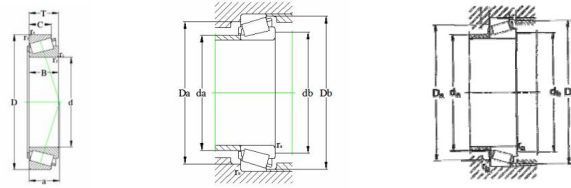
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
119.95	230	63.5	68.715	49.213	6.4	3.2	523	826	1700	2500	95471/95905	49.9	155	138	204	216	14.3	6.4	0.37	1.62	0.89	12
119.964	215	47.625	47.625	34.925	3.5	3.3	287	495	1700	2500	74472/74846X	48.4	153	140	195	208	3.5	3.3	0.49	1.2	0.68	7.33
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1700	2500	74472/74850	48.4	153	140	195	209	3.5	3.3	0.49	1.2	0.68	7.42
119.975	166.688	25.4	25.4	19.05	3.2	3.2	137	229	1700	2500	L724348/L724310	32.9	131	130	154	160	3.2	3.2	0.46	1.31	0.72	1.57
	172.242	35.72	36.513	27.783	3.6	1.6	208	362	1700	2500	M224748/M224711	32.1	133	132	159	166	3.6	1.6	0.33	1.8	0.99	2.58
119.975	179.975	36	36	26	3.6	1.6	212	348	1700	2500	M624649/M624610	35.6	134	132	164	171	3.6	1.6	0.41	1.45	0.8	3.02
	254	77.788	82.55	61.913	4	6.4	717	1050	1700	2500	HH228336/HH228310	54	158	133	220	233	4	6.4	0.32	1.87	1.03	18.7
	259.975	77.788	82.55	61.913	4	4	717	1050	1800	2600	HH228336/HH228318	54	158	133	220	233	4	4	0.32	1.87	1.03	19.9
120	170	25.4	25.4	19.05	3.3	3.3	130	219	1800	2600	JL724348/JL724314	32.9	135	127	155	164	3.3	3.3	0.46	1.3	0.72	1.67
	174.625	35.72	36.512	27.783	3.5	1.5	212	385	1800	2600	M224748/M224710	32.2	137	126	162	169	3.5	1.5	0.33	1.8	0.99	2.76
120	214.975	47.625	47.625	34.925	4	3.2	322	549	1800	2600	74473X/74845	49.7	156	133	193	205	4	3.2	0.49	1.23	0.68	7.24
	230	53.975	49.428	38.1	3.5	3.3	330	475	1800	2600	97472X/97905X	67.6	154	134	199	220	3.5	3.3	0.74	0.82	0.45	9.27
120.65	160.338	21.433	21.433	16.67	1.5	1.5	92.5	190	1800	2600	L624549/L624510	29.3	133	127	150	155	1.5	1.5	0.44	1.4	0.76	1.18
	166.688	25.4	25.4	19.05	3.2	3.2	137	229	1800	2600	L724349/L724310	32.9	132	130	154	160	3.2	3.2	0.46	1.31	0.72	1.54
120.65	169.862	25.4	26.195	20.638	1.5	1.5	132	265	1800	2600	L225842/L225810	28	138	129	160	162	1	1	0.33	1.8	1	1.85
	169.975	25.4	25.4	19.05	3.2	3.2	137	229	1800	2600	L724349/L724314	32.9	130	130	154	160	3.2	3.2	0.46	1.31	0.72	1.67
120.65	174.625	35.72	36.513	27.783	3.6	1.6	208	362	1800	2600	M224749/M224710	32.1	133	133	159	166	3.6	1.6	0.33	1.8	0.99	2.69
	182.562	39.688	38.1	33.338	3.5	3.3	228	445	1700	2400	48282/48220	34.2	132	132	167	177	3.5	3.3	0.31	2	1.1	3.69
120.65	182.562	39.688	38.1	33.338	3.6	3.2	227	429	1700	2400	48282/48220XX	34.1	141	133	166	173	3.6	3.2	0.31	1.97	1.08	3.6
120.65	190.5	46.038	46.038	34.925	3.5	1.5	314	540	1700	2400	HM624749/HM624710	42	135	131	180	182	3	1	0.43	1.4	0.8	4.85
	199.974	46.038	46.038	34.925	3.6	1.6	313	512	1700	2400	HM624749/HM624716	41.6	135	133	172	182	3.6	1.6	0.43	1.41	0.77	5.43
120.65	206.375	47.625	47.625	34.925	3.3	3.3	320	530	1700	2400	795/792	45.7	134	149	186	199	3.3	3.3	0.46	1.3	0.72	6.35
120.65	230	63.5	63.5	49.213	6.4	3.2	523	826	1600	2300	95475/95905	49.9	155	139	204	216	6.4	3.2	0.37	1.62	0.89	11.6
	234.95	63.5	63.5	49.212	6.4	3.3	510	790	1600	2300	95475/95925	50.5	140	159	212	226	6.4	3.3	0.37	1.6	0.89	12.3



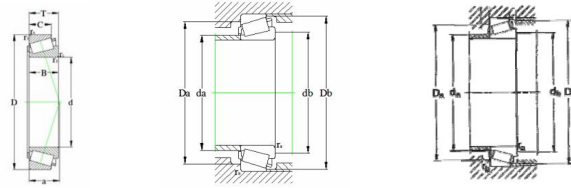
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
254	77.788	82.55	57.15	9.5	6.4	692	1010	1400	1900	EE153044/153100	51.1	156	145	217	230	9.5	6.4	0.32	1.87	1.03	18.4	
254	77.788	82.55	61.913	9.7	6.4	675	975	1400	1900	HH228340/HH228310	55	140	163	223	242	9.7	6.4	0.34	1.8	0.97	18.4	
258.763	77.788	82.55	61.912	9.5	6.4	717	1050	1400	1900	HH228340/HH228315	54	158	145	220	233	9.5	6.4	0.32	1.87	1.03	19.5	
273.05	82.55	82.55	53.975	6.4	6.4	685	870	1300	1800	HH926749/HH926710	77	137	165	234	261	6.4	6.4	0.63	0.95	0.52	21	
279.4	82.55	82.55	53.975	6.4	6.4	685	870	1300	1800	HH926749/HH926716	77	137	165	237	264	6.4	6.4	0.63	0.95	0.52	22.2	
123.825	182.562	39.688	38.1	33.338	3.5	3.3	228	445	1300	1800	48286/48220	34.2	134	143	167	177	3.5	3.3	0.31	2	1.1	3.51
	212.725	55.563	60.325	45.237	3.2	3.2	412	658	1300	1800	HM125948/HM125918	41.1	142	135	183	192	3.2	3.2	0.3	1.97	1.08	8.05
	258.763	77.788	82.55	57.15	9.5	6.4	692	1010	1200	1700	EE153049/153101	51.1	156	148	217	230	9.5	6.4	0.32	1.87	1.03	18.8
	259.975	77.788	82.55	61.913	9.5	4	717	1050	1200	1700	HH228334/HH228318	54	158	148	220	233	9.5	4	0.32	1.87	1.03	19.4
124.943	231.775	63.5	63.5	49.213	6.4	3.2	523	826	1200	1700	95491/95912	49.9	155	143	204	216	6.4	3.2	0.37	1.62	0.89	11.5
	234.95	63.5	63.5	49.212	6.4	3.3	510	790	1200	1700	95491/95925	50.5	142	162	212	226	6.4	3.3	0.37	1.6	0.89	11.9
125	175	25.4	25.4	18.288	3.3	3.3	134	232	1200	1700	JL725346/JL725316	34.3	131	141	160	170	3.3	3.3	0.48	1.3	0.69	1.76
125.298	228.6	53.975	49.428	38.1	3.5	3.3	375	530	1800	2600	HM926745/HM926710	67.7	138	157	201	223	3.5	3.3	0.74	0.81	0.45	8.72
	228.6	53.975	49.428	38.1	3.6	3.2	325	459	1800	2600	97493/97900	65.6	144	138	194	212	3.6	3.2	0.74	0.81	0.45	8.37
127	165.895	18.258	17.462	13.495	1.5	1.5	84.5	149	1800	2600	LL225749/LL225710	24.2	133	138	157	161	1.5	1.5	0.33	1.8	0.99	0.93
	169.862	25.4	26.195	20.638	1.5	1.5	123	251	1800	2600	L225849/L225810	28.1	134	140	159	165	1.5	1.5	0.33	1.8	0.99	1.65
	180.975	25.4	26.195	20.638	1.5	1.5	123	251	1700	2400	L225849/L225818	28.1	134	140	165	170	1.5	1.5	0.33	1.8	0.99	2.14
	182.562	39.688	38.1	33.338	3.5	3.3	228	445	1700	2400	48290/48220	34.2	135	145	167	177	3.5	3.3	0.31	2	1.1	3.33
	196.85	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	67388/67322	39.7	139	150	180	192	3.5	3.3	0.34	1.7	0.96	5.2
	203.2	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	67388/67320	39.7	139	150	183	195	3.5	3.3	0.34	1.7	0.96	5.8
	206.375	47.625	47.625	34.925	3.6	3.2	326	548	1600	2200	796x/793	45.7	146	139	183	194	3.6	3.2	0.46	1.31	0.72	5.93
	206.375	47.625	50.013	34.925	3.2	3.2	326	548	1600	2200	798/792	45.7	146	138	183	194	3.3	3.2	0.46	1.31	0.72	6
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74500/74850	48.4	143	157	195	209	3.5	3.3	0.49	1.2	0.68	6.91
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74500/74856	48.4	143	157	196	210	3.5	3.3	0.49	1.2	0.68	7.06

Single-row taper roller bearings (Inch series)

WNBZ



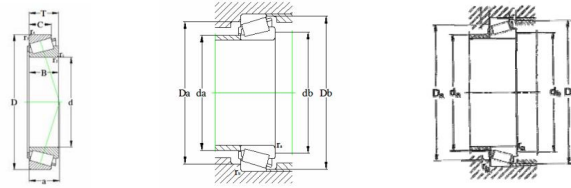
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
228.6	53.975	49.428	38.1	3.5	3.3	375	530	1500	2000	HM926747/HM926710	67.7	139	158	201	223	3.5	3.3	0.74	0.81	0.45	8.59	
228.6	53.975	49.428	38.1	3.5	3.3	330	475	1500	2000	97500/97900	67.5	137	157	198	219	3.5	3.3	0.74	0.82	0.45	8.59	
234.95	63.5	63.5	49.212	6.4	3.3	505	790	1500	2000	95500/95925	49.4	142	160	210	224	6.4	3.3	0.37	1.6	0.89	11.8	
234.95	63.5	68.715	49.212	9.7	3.3	505	790	1500	2000	95502/95925	49.5	143	166	210	224	9.7	3.3	0.37	1.6	0.89	12	
239.975	53.975	49.428	38.1	3.6	3.2	430	651	1500	2000	HM926747/HM926719	68.1	148	139	200	219	3.6	3.2	0.74	0.81	0.45	10.3	
247.65	63.5	63.5	47.625	3.3	4.8	465	640	1500	2000	EE116050/116097	50.1	143	158	219	234	3.3	4.8	0.37	1.6	0.9	12.6	
247.65	63.5	63.5	49.212	6.4	3.3	510	790	1500	2000	95500/95975	50.5	143	163	218	233	6.4	3.3	0.37	1.6	0.89	13.5	
254	66.675	66.675	47.625	6.4	3.2	549	913	1400	1900	99500/99100	55	174	145	224	236	6.4	3.2	0.41	1.47	0.81	15.5	
254	77.788	82.55	57.15	9.7	6.4	570	800	1400	1900	EE153050/153100	53.7	144	167	223	240	9.7	6.4	0.32	1.9	1	16.6	
254	77.788	82.55	61.913	9.7	6.4	675	975	1400	1900	HH228349/HH228310	55	143	166	223	242	9.7	6.4	0.34	1.8	0.97	17.6	
254	80.963	85.725	61.912	9.5	6.4	717	1050	1400	1900	HH228348/HH228310	54.1	158	151	220	233	9.5	6.4	0.32	1.87	1.03	18.1	
260.35	77.788	82.55	57.15	9.5	6.4	692	1010	1400	1900	EE153050/153102	51.1	156	151	217	230	9.5	6.4	0.32	1.87	1.03	18.7	
279.4	82.55	82.55	53.975	6.4	6.4	660	909	1400	1900	EE514050/514110	77.8	159	145	228	252	6.4	6.4	0.65	0.92	0.51	22.6	
288.925	82.55	87.312	57.15	13.5	6.4	770	1010	1500	2000	HH231637/HH231610	56.3	151	179	258	275	13.5	6.4	0.32	1.9	1	24.3	
295.275	82.55	87.313	57.15	13.5	6.4	765	1070	1500	2000	EE540502/541162	61.9	178	159	249	264	13.5	6.4	0.4	1.51	0.83	27.1	
295.275	82.55	87.312	57.15	13.5	6.4	770	1010	1500	2000	HH231637/HH231615	56.3	151	179	261	278	13.5	6.4	0.32	1.9	1	25.6	
304.8	60.325	61.912	41.275	6.4	6.4	635	780	1500	2000	EE750502/751200	49.2	158	174	271	285	6.4	6.4	0.33	1.8	0.99	21.4	
304.8	88.9	82.55	57.15	6.4	6.4	652	896	1500	2000	EE516050/516120	91.9	179	145	252	280	6.4	6.4	0.73	0.82	0.45	29.2	
304.8	88.9	82.55	57.15	6.4	6.4	745	1010	1500	2000	HH932132/HH932110	92.3	154	185	262	295	6.4	6.4	0.73	0.82	0.45	29.6	
127.792	228.6	53.975	49.428	38.1	3.5	3.3	375	530	1600	2100	HM926749/HM926710	67.7	139	158	201	223	3.5	3.3	0.74	0.81	0.45	8.53
	228.6	53.975	49.428	38.1	3.6	3.2	325	459	1600	2100	97503/97900	65.6	144	140	194	212	3.6	3.2	0.74	0.81	0.45	8.18
128.588	190.5	34.925	31.75	25.4	3.5	3.3	176	325	1700	2200	48506/48750	50.3	137	150	171	184	3.5	3.3	0.65	0.92	0.51	3.24
	206.375	47.625	47.625	34.925	3.3	3.3	320	530	1700	2200	799/792	45.7	138	153	186	199	3.3	3.3	0.46	1.3	0.72	5.77
129.967	234.95	63.5	68.715	49.213	3.2	3.2	523	826	1700	2200	95514X/95926	49.9	155	141	204	216	3.2	3.2	0.37	1.62	0.89	11.6



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
129.975	234.95	63.5	63.5	49.213	6.4	3.2	523	826	1700	2200	95512/95925	49.9	155	148	204	216	6.4	3.2	0.37	1.62	0.89	11.4
130	206.375	47.625	47.625	34.925	3.5	3.3	320	530	1700	2200	797/792	45.7	139	153	186	199	3.5	3.3	0.46	1.3	0.72	5.66
	215.9	47.625	47.625	34.925	3.6	3.2	322	549	1700	2200	74511X/74854	49.7	156	142	193	205	3.6	3.2	0.49	1.23	0.68	6.6
130.175	196.85	46.038	46.038	38.1	3.5	3.3	315	560	1700	2200	67389/67322	39.7	140	152	180	192	3.5	3.3	0.34	1.7	0.96	4.97
	203.2	46.038	46.038	38.1	3.5	3.3	315	560	1700	2300	67389/67320	39.7	140	152	183	195	3.5	3.3	0.34	1.7	0.96	5.57
	206.375	47.625	47.625	34.925	3.5	3.3	320	530	1700	2300	799A/792	45.7	139	154	186	199	3.5	3.3	0.46	1.3	0.72	5.65
133.248	190.5	39.688	39.688	33.338	3.6	3.2	236	472	1700	2300	48384XX/48320XX	35.9	150	145	175	182	3.6	3.2	0.32	1.87	1.03	3.58
133.35	177.008	25.4	26.195	20.638	1.5	1.5	124	258	1700	2300	L327249/L327210	29.5	141	147	166	172	1.5	1.5	0.35	1.7	0.95	1.73
	190.5	39.688	39.688	33.338	3.5	3.3	240	485	1700	2400	48385/48320	35.9	142	153	175	185	3.5	3.3	0.32	1.9	1	3.74
	196.85	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	67390/67322	39.7	142	153	180	192	3.5	3.3	0.34	1.7	0.96	4.74
	196.85	46.038	46.038	38.1	8	3.3	315	560	1600	2200	67391/67322	39.7	142	158	180	192	8	3.3	0.34	1.7	0.96	4.7
	203.2	39.688	39.688	33.338	3.5	3.3	240	485	1600	2200	48385/48328	35.9	142	153	182	191	3.5	3.3	0.32	1.9	1	4.76
	203.2	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	67390/67320	39.7	142	153	183	195	3.5	3.3	0.34	1.7	0.96	5.33
	203.2	46.038	46.038	38.1	8	3.3	315	560	1600	2200	67391/67320	39.7	142	158	183	195	8	3.3	0.34	1.7	0.96	5.29
	203.2	46.038	46.038	46.038	3.6	3.2	311	561	1600	2200	67390/67324	39.7	148	146	182	192	3.6	3.2	0.34	1.74	0.96	5.42
	215	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74525/74846X	48.4	147	160	195	208	3.5	3.3	0.49	1.2	0.68	6.34
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74525/74850	48.4	147	160	195	209	3.5	3.3	0.49	1.2	0.68	6.42
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74525/74856	48.4	147	160	196	210	3.5	3.3	0.49	1.2	0.68	6.57
	234.95	63.5	63.5	49.212	9.7	3.3	510	790	1500	2000	95525/95925	50.5	146	169	212	226	9.7	3.3	0.37	1.6	0.89	11
	234.95	63.5	63.5	49.212	4.8	3.3	510	790	1500	2000	95528/95925	50.5	146	164	212	226	4.8	3.3	0.37	1.6	0.89	11
	234.975	63.5	63.5	49.212	9.7	3.3	510	790	1500	2000	95525/95928	50.5	146	169	212	227	9.7	3.3	0.37	1.6	0.89	11
	234.975	63.5	63.5	49.212	4.8	3.3	510	790	1500	2000	95528/95928	50.5	146	164	212	227	4.8	3.3	0.37	1.6	0.89	11
234.975	63.5	68.715	49.212	3.2	3.2	523	826	1500	2000	95529X/95925	49.9	155	145	204	216	3.2	3.2	0.37	1.62	0.89	11.3	
234.975	64.798	63.5	49.949	9.5	3.2	523	826	1500	2000	95525/95929	51.2	155	157	204	216	9.5	3.2	0.37	1.62	0.89	11.1	

Single-row taper roller bearings (Inch series)

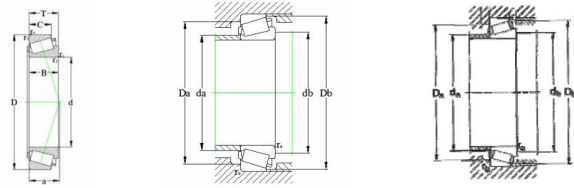
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
247.65	63.5	63.5	49.213	13.2	3.2	523	826	1500	2000	95527A/95975	49.9	155	165	204	216	13.2	3.2	0.37	1.62	0.89	12.8	
247.65	63.5	63.5	49.212	9.7	3.3	510	790	1500	2000	95525/95975	50.5	146	169	218	233	9.7	3.3	0.37	1.6	0.89	12.8	
247.65	63.5	63.5	49.212	4.8	3.3	510	790	1500	2000	95528/95975	50.5	146	164	218	233	4.8	3.3	0.37	1.6	0.89	12.9	
134.975	215.9	53.975	47.625	47.625	3.6	3.2	322	549	1700	2400	74529/74853	56.1	156	147	193	209	3.6	3.2	0.49	1.23	0.68	6.92
136.525	187.325	28.575	29.37	23.02	1.6	1.6	178	323	1700	2400	LM328444/LM328410	31.7	151	14.7	175	181	1.6	1.6	0.35	1.69	0.93	2.24
190.5	39.688	39.688	33.338	3.5	3.3	240	485	1700	2400	48393/48320	35.9	144	154	175	185	3.5	3.3	0.32	1.9	1	3.53	
190.5	39.688	39.688	33.338	5.5	3.3	246	500	1700	2400	48393A/48320	35	140	151	176	182	5	3	0.33	1.8	1	3.3	
203.2	39.688	39.688	33.338	3.6	3.2	236	472	1700	2400	48393/48328	35.9	150	149	175	182	3.6	3.2	0.32	1.87	1.03	4.38	
215	47.625	47.625	34.925	3.5	3.3	287	495	1700	2400	74537/74846X	48.4	148	162	195	208	3.5	3.3	0.49	1.2	0.68	6.09	
215.9	47.625	47.625	34.925	3.5	3.3	287	495	1700	2400	74537/74850	48.4	148	162	195	209	3.5	3.3	0.49	1.2	0.68	6.17	
217.488	47.625	47.625	34.925	3.5	3.3	287	495	1700	2400	74537/74856	48.4	148	162	196	210	3.5	3.3	0.49	1.2	0.68	6.32	
228.6	57.15	57.15	44.45	3.5	3.3	380	620	1600	2300	896/892	51.5	149	163	204	219	3.5	3.3	0.42	1.4	0.78	8.86	
249.975	66.675	66.675	53.401	7.1	3	549	913	1600	2300	99537/99097	55	174	156	225	240	7.1	3	0.41	1.47	0.81	14.1	
254	66.675	66.675	47.625	7	3.3	515	830	1600	2300	99537/99100	55.3	157	178	230	245	7	3.3	0.41	1.5	0.81	14.2	
137.317	254	66.675	66.675	47.625	13.5	3.2	549	913	1600	2300	99540/99100	55	174	169	224	236	13.5	3.2	0.41	1.47	0.81	14.3
139.7	180.975	21.433	20.638	16.67	1.5	1.5	104	194	1600	2300	LL428349/LL428310	29.8	147	152	171	176	1.5	1.5	0.37	1.6	0.9	1.36
187.325	28.575	29.37	23.02	1.5	1.5	153	305	1600	2300	LM328448/LM328410	31.7	148	155	176	182	1.5	1.5	0.36	1.7	0.93	2.26	
200.025	41.275	39.688	34.13	3.6	3.3	246	491	1500	2000	48680/48620	38.6	156	152	183	190	3.6	3.3	0.34	1.78	0.98	4.04	
215	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74550/74846X	48.4	150	163	195	208	3.5	3.3	0.49	1.2	0.68	5.83	
215	47.625	47.625	34.925	6.4	3.3	287	495	1500	2000	74550A/74846X	48.4	150	166	195	208	6.4	3.3	0.49	1.2	0.68	5.81	
215	47.625	53.37	34.925	12.7	3.2	322	549	1500	2000	74555/74846X	49.7	156	170	193	205	12.7	3.2	0.49	1.23	0.68	5.77	
215.9	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	74550/74850	48.4	150	163	195	209	3.5	3.3	0.49	1.2	0.68	5.92	
215.9	47.625	47.625	34.925	6.4	3.2	322	549	1500	2000	74550A/74850	49.7	156	158	193	205	6.4	3.2	0.49	1.23	0.68	5.82	
222.25	34.925	31.623	23.812	3.5	3.3	191	267	1400	1900	73551/73875	41.6	152	162	203	211	3.5	3.3	0.44	1.4	0.75	4.25	

Single-row taper roller bearings (Inch series)

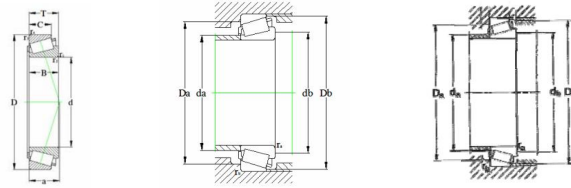
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
228.6	57.15	57.15	44.45	44.45	3.5	3.3	380	620	1400	1900	898/892	51.5	151	165	204	219	3.5	3.3	0.42	1.4	0.78	8.55
228.6	57.15	57.15	44.45	44.45	6.4	3.3	380	620	1400	1900	898A/892	51.5	151	168	204	219	6.4	3.3	0.42	1.4	0.78	8.53
228.6	57.15	58.738	44.45	44.45	3.6	3.2	439	730	1400	1900	899/892	50.6	157	152	202	214	3.6	3.2	0.42	1.43	0.78	8.72
236.538	57.15	56.642	44.45	44.45	3.5	3.3	455	720	1400	1900	HM231132/HM231110	45.9	154	168	216	228	3.5	3.3	0.32	1.9	1	9.63
236.538	57.15	56.642	44.45	44.45	3.5	3.3	400	680	1400	1900	82550/82931	53.7	155	170	213	228	3.5	3.3	0.44	1.4	0.75	9.81
236.538	57.15	60.325	44.45	44.45	3.6	3.2	499	832	1400	1900	HM231133/HM231110	45.2	168	152	213	223	3.6	3.2	0.32	1.88	1.04	10.3
241.3	57.15	56.642	44.45	44.45	3.5	3.3	455	720	1400	1900	HM231132/HM231115	45.9	154	168	218	230	3.5	3.3	0.32	1.9	1	10.3
241.3	57.15	56.642	44.45	44.45	3.5	3.3	400	680	1400	1900	82550/82950	53.7	155	170	215	230	3.5	3.3	0.44	1.4	0.75	10.4
250	66.675	66.675	47.625	47.625	7	3.3	515	830	1300	1800	99550/99098X	55.3	158	179	228	243	7	3.3	0.41	1.5	0.81	13.2
250	66.675	71.438	47.625	47.625	3.2	3.2	549	913	1300	1800	99549/99098X	55	174	151	224	236	3.2	3.2	0.41	1.47	0.81	13.9
254	66.675	66.675	47.625	47.625	7	3.3	515	830	1300	1800	99550/99100	55.3	158	179	230	245	7	3.3	0.41	1.5	0.81	13.8
254	66.675	66.675	47.625	47.625	7.1	3.2	549	913	1300	1800	99550/99100S	55	174	159	224	236	7.1	3.2	0.41	1.47	0.81	14.1
268.288	74.613	74.613	57.15	57.15	6.4	6.4	658	1050	1300	1800	EE107055/107105	59.4	177	158	234	249	6.4	6.4	0.39	1.55	0.85	18.8
288.925	82.55	87.312	57.15	57.15	9.7	6.4	770	1010	1300	1800	HH231649/HH231610	56.3	158	182	258	275	9.7	6.4	0.32	1.9	1	22.6
295.275	82.55	87.313	57.15	57.15	9.5	6.4	765	1070	1300	1800	EE540550/541162	61.9	178	164	249	264	9.5	6.4	0.4	1.51	0.83	25.4
295.275	82.55	87.312	57.15	57.15	9.7	6.4	770	1010	1300	1800	HH231649/HH231615	56.3	158	182	261	278	9.7	6.4	0.32	1.9	1	23.9
304.8	60.325	61.913	41.275	41.275	3.2	6.4	599	800	1300	1800	EE75058/751200	49.8	192	151	258	268	3.2	6.4	0.33	1.8	0.99	20.3
304.8	60.325	61.913	41.275	41.275	6.4	6.4	599	800	1300	1800	EE750562/751200	49.8	192	158	258	268	6.4	6.4	0.33	1.8	0.99	20.3
307.975	88.9	93.662	66.675	66.675	9.7	6.8	885	1190	1300	1800	HH234031/HH234010	63.2	165	191	275	294	9.7	6.8	0.33	1.8	1	29.8
307.975	88.9	93.663	66.675	66.675	9.5	6.7	1020	1450	1300	1800	HH234032/HH234010	63.3	191	164	271	285	9.5	6.7	0.33	1.84	1.01	31.6
311.15	88.9	82.55	57.15	57.15	6.4	6.4	652	896	1300	1800	EE516055/516122	91.9	179	158	252	280	6.4	6.4	0.73	0.82	0.45	28.8
317.5	88.9	93.662	66.675	66.675	9.7	6.8	885	1190	1300	1800	HH234031/HH234018	63.2	165	191	279	298	9.7	6.8	0.33	1.8	1	32.2
139.975	215	47.625	47.625	34.925	3.6	3.2	322	549	1200	1700	74556/74846X	49.7	156	152	193	205	3.6	3.2	0.49	1.23	0.68	5.74
	249.975	66.675	71.438	53.401	1.6	3	549	913	1200	1700	99553/99097	55	174	148	225	240	1.6	3	0.41	1.47	0.81	14

Single-row taper roller bearings (Inch series)

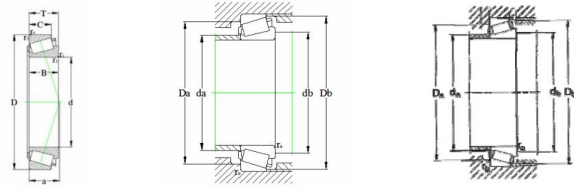
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
140	215	47.625	47.625	34.925	3.5	3.3	287	495	1600	2200	74551X/74846X	48.4	150	163	195	208	3.5	3.3	0.49	1.2	0.68	5.81
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1600	2200	74551/74850	48.4	150	163	195	209	3.5	3.3	0.49	1.2	0.68	5.89
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1600	2200	74551X/74856	48.4	150	163	196	210	3.5	3.3	0.49	1.2	0.68	6.04
142.875	193.675	28.575	28.575	23.02	1.6	1.6	187	375	1600	2200	36686/36620	33.7	157	151	180	186	1.6	1.6	0.37	1.63	0.9	2.41
	200.025	41.275	39.688	34.13	8	3.3	227	460	1600	2200	48684/48620	37.6	153	167	185	195	8	3.3	0.34	1.8	0.98	3.77
	200.025	41.275	39.688	34.13	3.5	3.3	227	460	1600	2200	48685/48620	37.6	153	162	185	195	3.5	3.3	0.34	1.8	0.98	3.81
	200.025	41.275	42.863	34.13	3.6	3.3	246	491	1600	2200	48686/48620	38.6	156	155	183	190	3.6	3.3	0.34	1.78	0.98	3.89
	222.25	34.925	31.623	23.813	3.6	3.2	209	302	1600	2200	73562/73875	41.9	163	155	198	205	3.6	3.2	0.44	1.37	0.75	3.2
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1600	2200	HM231136/HM231110	45.9	156	170	216	228	3.5	3.3	0.32	1.9	1	9.32
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1600	2200	82562/82931	53.7	156	171	213	228	3.5	3.3	0.44	1.4	0.75	9.5
	241.3	57.15	56.642	44.45	3.5	3.3	455	720	1600	2200	HM231136/HM231115	45.9	156	170	218	230	3.5	3.3	0.32	1.9	1	9.94
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1600	2200	82562/82950	53.7	156	171	215	230	3.5	3.3	0.44	1.4	0.75	10.1
146.05	188.12	22.225	20.638	16.67	1.5	1.5	107	200	1600	2200	LL529749/LL529710	33.5	153	159	178	183	1.5	1.5	0.42	1.4	0.79	1.44
	193.675	28.575	28.575	23.02	1.5	1.5	170	355	1600	2200	36690/36620	33.5	154	161	182	188	1.5	1.5	0.37	1.6	0.9	2.36
	193.675	28.575	28.575	23.02	4.8	1.5	170	355	1400	1900	36691/36620	33.5	154	164	182	188	4.8	1.5	0.37	1.6	0.9	2.35
	203.2	28.575	28.575	23.02	1.6	1.6	187	375	1400	1900	36690/36626	33.7	157	154	180	186	1.6	1.6	0.37	1.63	0.9	2.78
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1400	1900	HM231140/HM231110	45.9	158	171	216	228	3.5	3.3	0.32	1.9	1	9
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1400	1900	82576/82931	53.7	158	173	213	228	3.5	3.3	0.44	1.4	0.75	9.18
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1400	1900	82576/82950	53.7	158	173	215	230	3.5	3.3	0.44	1.4	0.75	9.8
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1400	1900	81575/81962	42.9	164	175	225	235	3.5	3.3	0.35	1.7	0.94	8.28
	254	66.675	66.675	47.625	7	3.3	515	830	1400	1900	99575/99100	55.3	162	182	230	245	7	3.3	0.41	1.5	0.81	13.1
	268.288	74.612	74.612	57.15	6.4	6.4	610	980	1400	1900	EE107057/107105	59.5	163	184	236	256	6.4	6.4	0.39	1.5	0.85	17.6
	285.75	76.2	73.025	55.563	6.4	6.4	588	882	1400	1900	EE217056/217112	60.4	186	164	246	261	6.4	6.4	0.4	1.49	0.82	20

Single-row taper roller bearings (Inch series)

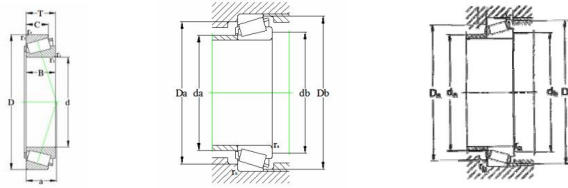
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
285.75	76.2	73.025	55.563	1.2	6.4	588	882	1400	1900	EE217064/217112	60.4	186	154	246	261	1.2	6.4	0.4	1.49	0.82	20.1	
304.8	60.325	61.913	41.275	12.7	6.4	599	800	1000	1400	EE750573/751200	49.8	192	177	258	268	12.7	6.4	0.33	1.8	0.99	19.5	
304.8	60.325	61.913	41.275	3.2	6.4	599	800	1000	1400	EE750576/751200	49.8	192	158	258	268	3.2	6.4	0.33	1.8	0.99	19.7	
304.8	60.325	61.913	41.275	6.4	6.4	599	800	1000	1400	EE750577/751200	49.8	192	164	258	268	6.4	6.4	0.33	1.8	0.99	19.6	
304.8	88.9	82.55	57.15	6.4	6.4	652	896	950	1400	EE516057/516120	91.9	179	164	252	280	6.4	6.4	0.73	0.82	0.45	26.5	
304.8	88.9	82.55	57.15	6.4	6.4	745	1010	950	1400	HH932145/HH932110	92.3	164	195	262	295	6.4	6.4	0.73	0.82	0.45	27	
307.975	88.9	93.662	61.912	9.7	6.8	745	1070	950	1400	EE450577/451212	61.5	171	196	271	289	9.7	6.8	0.33	1.8	1	28.8	
307.975	88.9	93.662	66.675	9.7	6.8	885	1190	950	1400	HH234040/HH234010	63.2	168	194	275	294	9.7	6.8	0.33	1.8	1	28.7	
311.15	88.9	82.55	57.15	6.4	6.4	791	1060	950	1400	HH932145/HH932115	92.1	177	164	260	288	6.4	6.4	0.73	0.82	0.45	28.3	
311.15	88.9	82.55	57.15	6.4	6.4	745	1010	950	1400	HH932145/HH932115	92.3	164	195	265	298	6.4	6.4	0.73	0.82	0.45	28.3	
317.5	88.9	93.662	66.675	9.7	6.8	885	1190	950	1400	HH234040/HH234018	63.2	168	194	279	298	9.7	6.8	0.33	1.8	1	31.2	
149.225	236.538	57.15	56.642	44.45	6.4	3.3	455	720	1100	1500	HM231148/HM231110	45.9	159	176	216	228	6.4	3.3	0.32	1.9	1	8.65
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1100	1500	HM231149/HM231110	45.9	159	173	216	228	3.5	3.3	0.32	1.9	1	8.68
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1100	1500	82587/82931	53.7	160	175	213	228	3.5	3.3	0.44	1.4	0.75	8.85
	241.3	57.15	56.642	44.45	6.4	3.3	455	720	1100	1500	HM231148/HM231115	45.9	159	176	218	230	6.4	3.3	0.32	1.9	1	9.27
	241.3	57.15	56.642	44.45	3.5	3.3	455	720	1100	1500	HM231149/HM231115	45.9	159	173	218	230	3.5	3.3	0.32	1.9	1	9.3
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1100	1500	82587/82950	53.7	160	175	215	230	3.5	3.3	0.44	1.4	0.75	9.47
	250	66.675	66.675	47.625	7.1	3.2	549	913	1100	1500	99587/99098X	55	174	168	224	236	7.1	3.2	0.41	1.47	0.81	12.4
149.86	317.5	77.788	76.2	53.975	3.2	4.8	752	1100	1100	1500	560990/561251	69.7	201	177	271	287	3.2	4.8	0.46	1.29	0.71	25.1
149.975	254	66.675	71.438	47.625	3.2	3.2	549	913	1100	1500	99591/99100S	55	174	161	224	236	3.2	3.2	0.41	1.47	0.81	13.2
150	244.475	47.498	50.005	41.275	3.6	3.2	322	494	1200	1600	81590/81962X	41.7	177	162	221	230	3.6	3.2	0.35	1.72	0.95	8.02
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1200	1600	81590/81962	42.9	166	177	225	235	3.5	3.3	0.35	1.7	0.94	7.92
	250	66.675	66.675	47.625	7.1	3.2	549	913	1200	1600	99590X/99098X	55	174	169	224	236	7.1	3.2	0.41	1.47	0.81	12.3

Single-row taper roller bearings (Inch series)

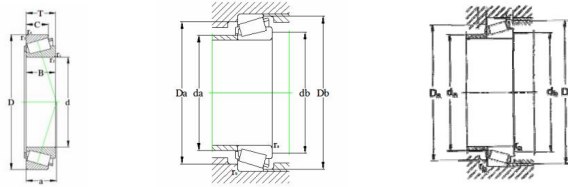
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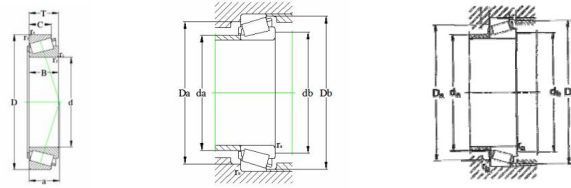
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
150.698	317.5	77.788	76.2	53.975	17.5	4.8	752	1100	1100	1500	EE560592/561251	69.7	201	191	271	287	17.5	4.8	0.46	1.29	0.71	26.9
150.813	245	47.625	50.005	33.338	3.6	3.2	322	494	1200	1600	81593/81964	41.8	177	163	219	227	3.6	3.2	0.35	1.72	0.95	7.63
152.146	250	66.675	66.675	47.625	7.1	3.2	549	913	1200	1600	99599X/99098X	55	174	171	224	236	7.1	3.2	0.41	1.47	0.81	12.1
152.4	222.25	46.83	46.83	34.925	3.3	1.5	287	530	1500	2000	M231649/M231610	41.6	163	175	207	215	3.3	1.5	0.33	1.8	0.99	5.76
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1500	2000	81600/81962	42.9	167	178	225	235	3.5	3.3	0.35	1.7	0.94	7.7
	250	66.675	66.675	47.625	7.1	3.2	549	913	1500	2000	99600/99098X	55	174	172	224	236	7.1	3.2	0.41	1.47	0.81	12.1
	254	66.675	66.675	47.625	7	3.3	515	830	1300	1800	99600/99100	55.3	165	185	230	245	7	3.3	0.41	1.5	0.81	12.3
	254	66.675	71.438	47.625	1.6	3.2	549	913	1300	1800	99603/99100	55	174	161	224	236	1.6	3.2	0.41	1.47	0.81	12.8
	266.7	66.675	71.438	50.8	6.4	3.2	602	993	1300	1800	HM234636/HM234610	52.6	188	170	240	252	6.4	3.2	0.34	1.78	0.98	15.6
	268.288	74.612	74.612	57.15	6.4	6.4	610	980	1300	1800	EE107060/107105	59.5	166	187	236	256	6.4	6.4	0.39	1.5	0.85	16.7
	268.288	74.613	77.788	57.15	6.4	6.4	658	1050	1300	1800	107960/107105	59.4	177	170	234	249	6.4	6.4	0.39	1.55	0.85	17.2
	269.799	74.612	74.613	57.15	6.4	6.4	658	1050	1300	1800	EE107060/107107	59.4	177	170	234	249	6.4	6.4	0.39	1.55	0.85	17.4
	285.75	76.2	73.025	55.563	1.6	6.4	588	882	1200	1600	EE217060/217112	60.4	186	161	246	261	1.6	6.4	0.4	1.49	0.82	19.2
	307.975	88.9	93.662	61.912	9.7	6.8	745	1070	1200	1600	EE450601/451212	61.5	174	199	271	289	9.7	6.8	0.33	1.8	1	27.7
	307.975	88.9	93.662	66.675	9.7	6.8	885	1190	1200	1600	HH234048/HH234010	63.2	171	197	275	294	9.7	6.8	0.33	1.8	1	27.6
	307.975	88.9	93.663	66.675	9.5	6.7	1020	1450	1200	1600	HH234049/HH234010	63.3	191	176	271	285	9.5	6.7	0.33	1.84	1.01	29.4
	317.5	88.9	93.662	66.675	9.7	6.8	885	1190	1200	1600	HH234048/HH234018	63.2	171	197	279	298	9.7	6.8	0.33	1.8	1	30.1
	323.85	77.788	76.2	53.975	17.5	4.8	752	1100	1200	1600	EE560600/561279	69.7	201	192	271	287	17.5	4.8	0.46	1.29	0.71	28
153.988	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1300	1800	81606/81962	42.9	168	179	225	235	3.5	3.3	0.35	1.7	0.94	7.55
	244.475	47.625	50.005	33.338	3.6	3.2	322	494	1300	1800	81606/81962	41.8	177	166	219	227	3.6	3.2	0.35	1.72	0.95	7.29
155.575	330.2	85.725	79.375	53.975	6.4	6.4	760	1060	1200	1600	H936340/H936310	103.3	178	209	283	317	6.4	6.4	0.81	0.74	0.41	32.5
	342.9	85.725	79.375	53.975	6.4	6.4	760	1060	1200	1600	H936340/H936316	103.3	178	209	289	323	6.4	6.4	0.81	0.74	0.41	35.3

Single-row taper roller bearings (Inch series)

WNBZ



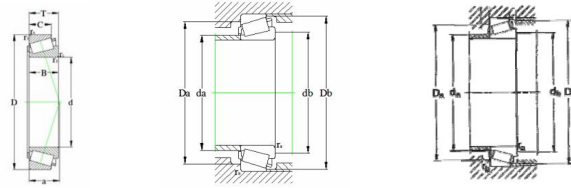
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
158.75	205.583	23.812	23.812	18.258	4.8	1.5	138	280	1500	2000	L432348/L432310	33	173	176	198	197	4.4	1.5	0.37	1.6	0.9	1.9
	205.583	23.813	23.813	18.258	4.8	1.6	131	253	1500	2000	L432348/L432310XX	33.4	172	173	193	197	4.8	1.6	0.37	1.6	0.88	1.86
	205.583	23.812	23.812	18.258	1.5	1.5	127	249	1500	2000	L432349/L432310	33.9	167	173	195	200	1.5	1.5	0.39	1.5	0.84	1.99
	225.425	41.275	39.688	33.338	3.5	3.3	240	540	1400	1900	46780/46720	44.3	172	183	208	219	3.5	3.3	0.38	1.6	0.86	5.34
	285.75	76.2	73.025	55.563	13.5	6.4	588	882	1400	1900	EE217062X/217112	60.4	186	191	246	261	13.5	6.4	0.4	1.49	0.82	18.2
	304.8	66.675	69.106	42.863	6.4	3.2	548	802	1400	1900	EE280626/281200	54.4	211	177	271	282	6.4	3.2	0.36	1.67	0.92	20
159.512	266.7	66.675	71.438	50.8	1.6	3.2	602	993	1400	1900	HM234643/HM234612	52.6	188	168	240	252	1.6	3.2	0.34	1.78	0.98	14.6
159.918	317.5	77.788	76.2	53.975	10.4	4.8	752	1100	1400	1900	EE560629/561251	69.7	201	186	271	287	10.4	4.8	0.46	1.29	0.71	25.8
159.951	244.475	47.625	46.83	33.338	3.6	3.2	322	494	1400	1900	81630/81962	41.8	177	172	219	227	3.6	3.2	0.35	1.72	0.95	6.62
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1400	1900	81629/81962	42.9	171	182	225	235	3.5	3.3	0.35	1.7	0.94	6.97
160	240	46	44.501	37	3	2.5	353	666	1400	1900	JM734445/JM734410	50.1	184	171	221	231	3	2.5	0.44	1.37	0.75	7.19
160.325	288.925	63.5	63.5	47.625	7	3.3	615	935	1300	1800	HM237532/HM237510	52.7	183	202	266	278	7	3.3	0.32	1.9	1	17
160.338	317.5	77.788	76.2	53.975	11.2	4.8	752	1100	1300	1800	EE560631X/561251	69.7	201	188	271	287	11.2	4.8	0.46	1.29	0.71	25.7
161.925	244.475	47.625	46.83	33.338	3.5	3.3	330	510	1300	1800	81637/81962	42.9	172	183	225	235	3.5	3.3	0.35	1.7	0.94	6.67
	336.55	79.375	80.963	53.975	6.4	6.4	757	1100	1300	1800	EE590638/591326	75.7	213	180	286	303	6.4	6.4	0.49	1.22	0.67	30.7
	336.55	79.375	80.963	53.975	6.4	6.4	757	1100	1300	1800	590938/591326	75.7	213	180	286	303	6.4	6.4	0.49	1.22	0.67	30.7
	374.65	87.312	79.375	60.325	6.4	3.3	855	1090	1300	1800	EE117063/117148	98.6	188	217	325	355	6.4	3.3	0.71	0.85	0.47	42.2
164.975	288.925	63.5	68	47.625	7.1	3.2	628	973	1300	1800	HM237537/HM237510	52.2	203	184	260	270	7.1	3.2	0.32	1.04	16.7	
165.1	215.9	26.195	26.195	20.638	1.5	1.5	154	295	1400	1900	L433749/L433710	34.5	173	180	204	210	1.5	1.5	0.36	1.7	0.91	2.45
	225.425	41.275	39.688	33.338	3.5	3.3	240	540	1400	1900	46790/46720	44.3	175	186	208	219	3.5	3.3	0.38	1.6	0.86	4.84
	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1400	1900	67780/67720	52.4	180	194	228	241	3.5	3.3	0.44	1.4	0.75	8.16
	254	46.038	46.038	33.338	4.8	3.3	340	535	1400	1900	86650/86100	44.9	178	191	235	246	4.8	3.3	0.37	1.6	0.89	7.56



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
254	465.038	46.038	33.338	4.8	3.3	370	595	1400	1900	M235145/M235113	41.9	178	191	235	245	4.8	3.3	0.32	1.9	1	7.72	
254	49.213	52.388	33.338	4.8	3.2	378	620	1400	1900	M235144/M235113	41.6	191	180	232	239	4.8	3.2	0.32	1.88	1.04	8.34	
260.35	53.975	58.738	41.275	1.6	3.2	467	812	1400	1900	HM235148/HM235118	45	189	173	232	241	1.6	3.2	0.32	1.88	1.04	10.6	
266.7	66.675	71.438	50.8	1.6	3.2	602	993	1400	1900	HM234648/HM234610	52.6	188	173	240	252	1.6	3.2	0.34	1.78	0.98	13.9	
288.925	63.5	63.5	47.625	7	3.3	615	935	1300	1800	HM237535/HM237510	52.7	185	204	266	278	7	3.3	0.32	1.9	1	16.4	
288.925	63.5	63.5	47.625	7.1	3.2	628	973	1300	1800	HM237536/HM237511	52.2	203	184	260	270	7.1	3.2	0.32	1.88	1.04	16.4	
288.925	63.5	63.5	47.625	7	3.3	545	940	1300	1800	94649/94113	62.6	185	206	261	277	7	3.3	0.47	1.3	0.7	17.2	
288.925	63.5	63.5	47.625	7.1	3.2	550	960	1300	1800	94650/94113A	63.2	203	184	255	270	7.1	3.2	0.47	1.28	0.7	17	
288.925	63.5	68.263	47.625	3.2	3.2	628	973	1300	1800	HM237534/HM237511	52.2	203	177	260	270	3.2	3.2	0.32	1.88	1.04	16.8	
289.975	63.5	63.5	48	7.1	3	628	973	1300	1800	HM237535/HM237513	52.2	203	184	260	270	7.1	3	0.32	1.88	1.04	16.6	
298.45	82.55	82.55	63.5	6.4	6.4	716	1130	1300	1800	EE219065/219117	67	202	183	264	280	6.4	6.4	0.38	1.59	0.88	23.4	
298.45	63.5	63.5	47.625	7	3.3	545	940	1300	1800	94649/94118	62.6	185	206	265	282	7	3.3	0.47	1.3	0.7	18.8	
311.15	82.55	82.55	63.5	6.4	6.4	770	1230	1200	1600	EE219065/219122	65.8	185	206	274	295	6.4	6.4	0.38	1.6	0.88	26.3	
311.15	82.55	82.55	65.088	6.4	6.4	835	1280	1200	1600	H238140/H238110	63.9	187	208	279	298	6.4	6.4	0.33	1.8	1	26.5	
317.5	77.788	76.2	53.975	3.2	4.8	752	1100	1200	1600	EE560650/561251	69.7	201	177	271	287	3.2	4.8	0.46	1.29	0.71	25.1	
317.5	77.788	76.2	53.975	3.2	4.8	752	1100	1200	1600	560950/561251	69.7	201	177	271	287	3.2	4.8	0.46	1.29	0.71	25.1	
323.85	77.788	76.2	53.975	3.2	4.8	752	1100	1200	1600	560950/561279	69.7	201	177	271	287	3.2	4.8	0.46	1.29	0.71	26.4	
336.55	79.375	80.962	53.975	17.5	6.4	757	1100	1200	1600	EE590650/591326	75.7	213	205	286	303	17.5	6.4	0.49	1.22	0.67	30	
336.55	92.075	95.25	69.85	3.3	6.4	990	1380	1100	1400	HH437549/HH437510	70.8	185	206	297	320	3.3	6.4	0.37	1.6	0.89	35	
342.9	79.375	80.962	53.975	1.2	6.4	757	1100	1100	1400	EE590649/591350	75.7	213	173	286	303	1.2	6.4	0.49	1.22	0.67	31.7	
360	92.075	88.897	63.5	9.7	3.3	875	1340	1100	1400	EE420651/421417	78.9	208	234	329	349	9.7	3.3	0.42	1.4	0.79	42.1	
361.95	106.362	104.775	76.2	13.5	3.3	1240	1690	1100	1400	EE108065/108142	73.4	188	220	323	342	13.5	3.3	0.33	1.8	0.99	48.5	
166.688	225.425	41.275	39.688	33.338	3.6	3.2	258	568	1300	1800	46792R/46720	4	181	179	207	215	3.6	3.2	0.38	1.57	0.86	4.46
	225.425	41.275	39.688	33.338	3.5	3.3	240	540	1300	1800	46792/46720	44.3	176	187	208	219	3.5	3.3	0.38	1.6	0.86	4.71

Single-row taper roller bearings (Inch series)

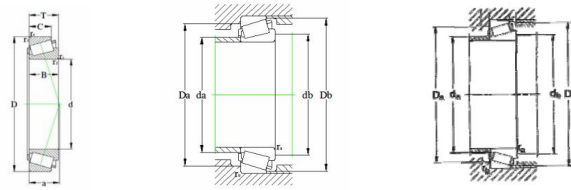
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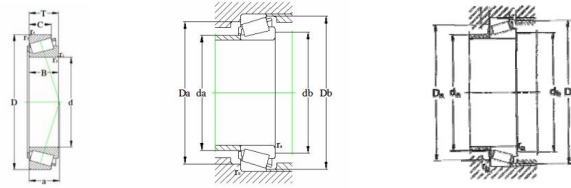
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
167.945	254	49.213	53.975	33.338	4.8	3.2	378	620	1300	1800	M235147X/M235113	41.6	191	183	232	239	4.8	3.2	0.32	1.88	1.04	8.1
168.275	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1300	1800	67782/67720	52.4	182	195	228	241	3.5	3.3	0.44	1.4	0.75	7.85
	254	46.038	50.8	33.338	3.2	3.2	378	620	1300	1800	M235147/M235113	41.5	191	180	232	239	3.2	3.2	0.32	1.88	1.04	7.79
	330.2	85.725	79.375	53.975	6.4	6.4	760	1060	1300	1800	H936349/H936310	103.3	184	216	283	317	6.4	6.4	0.81	0.74	0.41	30.5
	342.9	85.725	79.375	53.975	6.4	6.4	760	1060	1300	1800	H936349/H936316	103.3	184	216	289	323	6.4	6.4	0.81	0.74	0.41	33.3
169.977	260.35	66.675	66.675	52.388	3.6	3.2	538	1030	1300	1800	HM535347/HM535310	58	189	182	234	248	3.6	3.2	0.4	1.49	0.82	12.4
169.984	298.45	63.5	63.5	47.625	7.1	3.2	550	960	1300	1800	94669/94118	63.2	203	189	25	270	7.1	3.2	0.47	1.28	0.7	18
170	230	39	38	31	3	2.5	278	520	1300	1800	HM534149/JHM534110	43.2	177	188	215	225	3	2.5	0.38	1.6	0.86	4.41
	240	46.038	44.5	37	3	2.5	380	720	1300	1800	JM734449/JM734410	50.5	178	191	222	234	3	2.5	0.44	1.4	0.75	6.44
	254	46.038	46.038	33.338	4.8	3.3	370	595	1300	1800	M235149/M235113	41.9	180	194	235	245	4.8	3.3	0.32	1.9	1	7.26
	254	46.038	46.038	33.338	4.8	3.3	340	535	1300	1800	86669/86100	44.9	181	194	235	246	4.8	3.3	0.37	1.6	0.89	7.09
	266.7	46.038	46.038	33.338	4.8	1.6	336	531	1300	1800	86669/86105	44.9	189	185	230	238	4.8	1.6	0.37	1.63	0.9	8.36
171.45	222.25	25.4	24.608	19.05	1.6	1.6	157	299	1300	1800	L435049/L435010	36	185	180	208	213	1.6	1.6	0.38	1.6	0.88	2.33
	260.35	66.675	66.675	52.388	3.5	3.3	540	1030	1300	1800	HM535349/HM535310	57.6	182	198	236	252	3.5	3.3	0.4	1.5	0.82	12.5
	288.925	63.5	63.5	47.625	7.1	3.2	628	973	1200	1600	HM237540/HM237510	52.2	203	191	260	270	7.1	3.2	0.32	1.88	1.04	15.5
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1200	1600	94675/94113A	63.2	203	191	255	270	7.1	3.2	0.47	1.28	0.7	16.2
	288.925	63.5	63.5	47.625	7	3.3	545	940	1200	1600	94675/94113	62.6	189	209	261	277	7	3.3	0.47	1.3	0.7	16.3
	298.45	63.5	63.5	47.625	7	3.3	545	940	1200	1600	94675/94118	62.6	189	209	265	282	7	3.3	0.47	1.3	0.7	18
	336.55	79.375	80.963	53.975	6.4	6.4	757	1100	1100	1600	EE590675/591326	75.7	213	189	286	303	6.4	6.4	0.49	1.22	0.67	29.2
	342.9	79.375	80.963	53.975	6.4	6.4	757	1100	1100	1600	EE590675/591350	75.7	213	189	286	303	6.4	6.4	0.49	1.22	0.67	30.6
	342.9	79.375	84.138	53.975	1.2	6.4	757	1100	1100	1600	590977/591350	75.7	213	179	286	303	1.2	6.4	0.49	1.22	0.67	30.9
	374.65	87.313	79.375	60.325	6.4	3.2	868	1220	1100	1600	EE117067/117148	103.7	218	189	308	338	6.4	3.2	0.73	0.82	0.45	42.2

Single-row taper roller bearings (Inch series)

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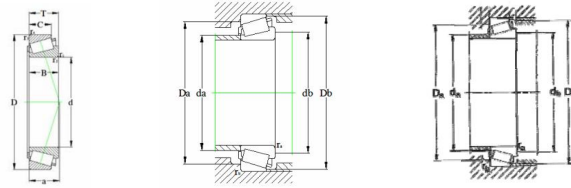
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
174.625	247.65	47.625	47.625	38.1	7.9	3.2	346	701	1100	1600	67786/67720	52.3	192	195	227	238	7.9	3.2	0.44	1.36	0.75	6.93
	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1100	1600	67787/67720	52.4	185	199	228	241	3.5	3.3	0.44	1.4	0.75	7.21
	260.35	53.975	53.975	41.275	3.6	3.2	442	821	1100	1600	M236845/M236810	48.4	198	187	238	247	3.6	3.2	0.33	1.8	0.99	9.31
	288.925	63.5	63.5	47.625	7	3.3	615	935	1100	1600	HM237542/HM237510	52.7	190	209	266	278	7	3.3	0.32	1.9	1	15.2
	288.925	63.5	63.5	47.625	7	3.3	545	940	1100	1600	94687/94113	62.6	190	211	261	277	7	3.3	0.47	1.3	0.7	15.9
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1100	1600	94687/94113A	63.2	203	194	255	270	7.1	3.2	0.47	1.28	0.7	15.8
	298.45	63.5	63.5	47.625	7	3.3	545	940	1100	1600	94687/94118	62.6	190	211	265	282	7	3.3	0.47	1.3	0.7	17.5
	298.45	82.55	82.55	63.5	6.4	6.4	795	1290	1100	1600	EE219068/219117	66.4	190	211	267	288	6.4	6.4	0.38	1.6	0.88	22.1
	311.15	82.55	82.55	63.5	6.4	6.4	716	1130	1000	1500	EE219068/219122	67	202	192	264	280	6.4	6.4	0.38	1.59	0.88	24.7
	311.15	82.55	82.55	65.088	6.4	6.4	835	1280	1000	1500	H238148/H238110	63.9	191	212	279	298	6.4	6.4	0.33	1.8	1	24.9
177.292	355.6	79.375	77.788	53.975	6.4	6.4	754	1090	1000	1500	EE607071/607140	83.8	228	195	305	324	6.4	6.4	0.55	1.1	0.6	32.8
177.8	215.9	20.638	20.638	15.083	1.5	1.5	109	241	1200	1600	LL735449/LL735410	38.5	184	190	206	211	1.5	1.5	0.45	1.3	0.73	1.51
	227.012	30.162	30.162	23.02	1.5	1.5	181	415	1300	1800	36990/36920	42.9	185	193	214	222	1.5	1.5	0.44	1.4	0.75	3.01
	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1300	1800	67790/67720	52.4	186	200	228	241	3.5	3.3	0.44	1.4	0.75	6.88
	247.65	47.625	47.625	38.1	10.4	3.3	345	705	1300	1800	67791/67720	52.4	186	207	228	241	10.4	3.3	0.44	1.4	0.75	6.79
	260.35	53.975	53.975	41.275	7.9	3.2	442	821	1300	1800	M236848/M236810	48.4	198	199	238	247	7.9	3.2	0.33	1.8	0.99	8.9
	260.35	53.975	53.975	41.275	3.5	3.3	455	835	1200	1700	M236849/M236810	47.5	189	201	241	252	3.5	3.3	0.33	1.8	0.99	9.35
	269.875	55.562	55.562	42.862	3.5	3.3	465	875	1200	1700	M238840/M238810	51.1	194	208	250	262	3.5	3.3	0.35	1.7	0.95	11.1
	279.4	61.913	61.913	43.655	3.2	3.2	483	821	1200	1700	82680X/82620	65.6	201	189	251	267	3.2	3.2	0.52	1.14	0.63	12.8
	285.75	63.5	63.5	41.275	6.4	3.3	450	725	1200	1700	EE91702/91112	58.9	193	210	260	274	6.4	3.3	0.43	1.4	0.77	13.7
	288.925	63.5	63.5	47.625	7	3.3	615	935	1200	1700	HM237545/HM237510	52.7	191	210	266	278	7	3.3	0.32	1.9	1	14.7
	288.925	63.5	63.5	47.625	7	3.3	545	940	1200	1700	94700/94113	62.6	192	213	261	277	7	3.3	0.47	1.3	0.7	15.5
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1200	1700	94700/94113A	63.2	203	197	255	270	7.1	3.2	0.47	1.28	0.7	15.3



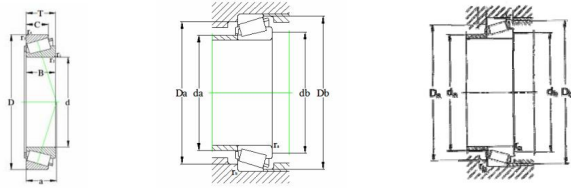
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
289.974	63.5	63.5	48	7	3	680	1070	1200	1700	HM237545/HM237513		194	205	267	272	7	3	0.32	1.88	1.04	14.6	
289.975	63.5	68.263	48	3.2	3	628	973	1200	1700	HM237543/HM237513	52.2	203	189	260	270	3.2	3	0.32	1.88	1.04	15.2	
304.8	60.325	63.5	42.863	1.6	3.2	548	802	1100	1500	280970/281200	54.4	211	186	271	282	1.6	3.2	0.36	1.67	0.92	16.4	
304.8	66.675	69.106	42.863	6.4	3.2	548	802	1100	1500	EE280702/281202	54.4	211	196	271	282	6.4	3.2	0.36	1.67	0.92	17.3	
304.8	66.675	69.106	42.862	6.4	3.3	555	810	1100	1500	EE280702/281200	54.3	196	214	280	292	6.4	3.3	0.36	1.7	0.92	17.4	
311.15	82.55	85.725	65.088	6.4	6.4	862	1340	1100	1500	H238147/H238110	64.3	207	196	273	288	6.4	6.4	0.33	1.82	1	24.9	
319.964	88.9	85.725	65.088	3.5	4.8	790	1300	1100	1500	EE222070/222126	72.6	199	218	287	307	3.5	4.8	0.4	1.5	0.83	28.4	
319.964	88.9	85.725	65.088	3.5	4.8	855	1270	1100	1500	H239640/H239610	66.3	197	215	292	309	3.5	4.8	0.32	1.9	1	26.9	
320.675	88.9	85.725	65.088	3.5	4.8	790	1300	1100	1500	EE222070/222128	72.6	199	218	287	308	3.5	4.8	0.4	1.5	0.83	28.6	
320.675	88.9	85.725	65.088	3.5	4.8	855	1270	1100	1500	H239640/H239612	66.3	197	215	292	309	3.5	4.8	0.32	1.9	1	27	
327.025	90.488	92.075	63.5	6.4	6.4	930	1500	1000	1500	EE470078/470128	68.6	200	223	294	315	6.4	6.4	0.37	1.6	0.9	31	
327.025	90.488	92.075	63.5	9.5	6.4	864	1430	1000	1500	EE470078X/470128	68.3	224	202	290	305	9.5	6.4	0.37	1.63	0.9	31	
327.025	90.488	92.075	63.5	6.4	6.4	864	1430	1000	1500	470978/470128	68.3	224	196	290	305	6.4	6.4	0.37	1.63	0.9	31.1	
336.55	79.375	80.963	53.975	3.2	6.4	757	1100	1000	1500	590900/591326	75.7	213	189	286	303	3.2	6.4	0.49	1.22	0.67	28.1	
336.55	90.488	92.075	63.5	13.5	6.4	864	1430	1000	1500	EE470073/470132	68.3	224	210	290	305	13.5	6.4	0.37	1.63	0.9	33.4	
355.6	79.375	77.788	53.975	6.4	6.4	754	1090	1000	1500	EE607070/607140	83.8	228	196	305	324	6.4	6.4	0.55	1.1	0.6	32.7	
360	92.075	88.897	63.5	12.7	3.2	938	1460	1000	1500	EE420701/421417	75.6	243	208	317	334	12.7	3.2	0.4	1.49	0.82	40.5	
365.049	92.075	88.897	63.5	12.7	3.3	875	1340	1000	1500	EE420701/421437	78.9	214	243	332	351	12.7	3.3	0.42	1.4	0.79	41.1	
368.3	92.075	88.897	63.5	12.7	3.3	875	1340	1000	1500	EE420701/421450	78.9	214	243	333	353	12.7	3.3	0.42	1.4	0.79	42	
428.625	106.362	95.25	61.912	6.4	6.4	1070	1390	1000	1500	EE350701/351687	118.7	237	196	350	382	6.4	6.4	0.76	0.79	0.44	64.6	
178.595	265.112	51.595	57.15	38.895	3.3	3.3	495	880	1200	1700	M336948/M336912	47	196	194	250	251	3	3	0.33	1.8	1	9.6
179.934	265.112	51.595	57.15	38.895	3.3	3.3	495	880	1200	1700	M336949/M336912	47	196	194	250	251	3	3	0.33	1.8	1	9.6
179.972	317.5	63.5	63.5	46.038	3.5	3.3	575	1060	1200	1700	93708/93125	71	206	224	288	306	3.5	3.3	0.52	1.1	0.63	21.2

Single-row taper roller bearings (Inch series)

WNBZ



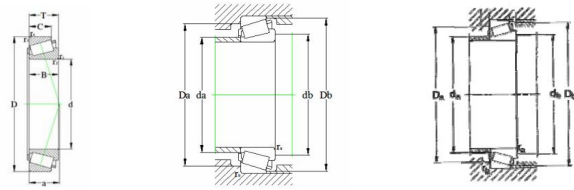
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
	317.5	68.262	63.5	50.8	3.5	3.3	575	1060	1200	1700	93708/93126	75.8	206	224	286	306	3.5	3.3	0.52	1.1	0.63	22.1
179.975	317.5	63.5	63.5	46.038	3.6	3.2	604	1130	1200	1700	93708/93125	71.4	227	192	278	295	3.6	3.2	0.52	1.15	0.63	20.8
179.997	266.7	47.099	46	38.1	6.4	3.2	339	703	1200	1700	67875/67820	57.8	211	198	245	257	6.4	3.2	0.48	1.26	0.69	8.87
180	250	47	45	37	3	2.5	369	695	1200	1700	JM736149/JM736110	56	192	192	240	243	2.5	2.5	0.48	1.25	0.7	6.65
	288.925	63.5	68.262	47.625	7	3.2	628	973	1200	1700	HM237547/HM237510	52.2	203	199	260	270	7	3.2	0.32	1.88	1.04	14.6
180.975	269.875	55.563	55.563	42.863	1.6	3.2	411	805	1100	1600	M238843/M238810	49.9	209	189	246	255	1.6	3.2	0.33	1.8	0.99	10.5
184.15	236.538	26.192	25.4	19.05	1.5	1.5	155	291	1100	1600	LL537649/LL537610	38	193	199	225	230	1.5	1.5	0.37	1.6	0.89	2.66
	266.7	47.625	46.833	38.1	3.5	3.3	345	720	1100	1600	67883/67820	57.9	198	212	246	260	3.5	3.3	0.48	1.3	0.69	8.73
	279.997	46.525	46.833	36	3.6	3.2	339	703	1100	1600	67883/67830	56.7	211	196	245	257	3.6	3.2	0.48	1.26	0.69	10
187.325	266.7	47.625	46.833	38.1	3.5	3.3	345	720	1100	1600	67884/67820	57.9	200	214	246	260	3.5	3.3	0.48	1.3	0.69	8.39
	269.875	55.562	55.562	42.862	3.5	3.3	490	920	1100	1600	M238849/M238810	49.6	198	211	250	261	3.5	3.3	0.33	1.8	0.99	10.1
	282.575	50.8	47.625	36.512	3.5	3.3	360	600	1100	1600	87737/87111	54.8	202	215	262	274	3.5	3.3	0.42	1.4	0.79	9.94
	289.992	46.525	46.833	36	3.6	3.2	339	703	1100	1600	67884/67835	56.7	211	200	245	257	3.6	3.2	0.48	1.26	0.69	10.9
	319.964	88.9	85.725	65.088	5.5	4.8	855	1270	1100	1600	H239649/H239610	66.3	202	222	292	309	5.5	4.8	0.32	1.9	1	25
320.675	88.9	85.725	65.088	5.5	4.8	855	1270	1100	1600	H239649/H239612	66.3	202	222	292	309	5.5	4.8	0.32	1.9	1	25.2	
189.738	279.4	52.388	57.15	41.275	3.3	3.3	523	980	1100	1600	M239447/M239410	49	212	202	266	266	3	3	0.33	1.8	1	11
190	260	46	44	36.5	3	2.5	370	730	1100	1600	JM738249/JM738210	56.4	198	212	241	255	3	2.5	0.48	1.3	0.69	6.94
190.078	266.7	47.099	46	38.1	6.4	3.2	339	703	1100	1600	67886/67820	57.8	211	208	245	257	6.4	3.2	0.48	1.26	0.69	7.82
190.475	279.4	52.388	57.15	41.275	3.3	3.3	523	980	1100	1600	M239449/M239410	49	212	203	266	266	3	3	0.33	1.8	1	11
190.5	266.7	47.625	46.833	38.1	3.5	3.3	345	720	1100	1600	67885/67820	57.9	202	215	246	260	3.5	3.3	0.48	1.3	0.69	8.04
	282.575	50.8	47.625	36.512	3.5	3.3	360	600	1100	1600	87750/87111	54.8	204	217	262	274	3.5	3.3	0.42	1.4	0.79	9.59



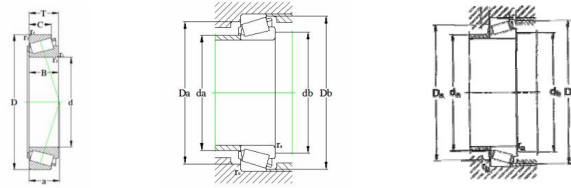
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1000	1500	93750/93125	71	211	231	288	306	4.3	3.3	0.52	1.1	0.63	19.7	
317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1000	1500	93750/93126	75.8	211	231	286	306	4.3	3.3	0.52	1.1	0.63	20.6	
327.025	90.488	92.075	63.5	6.4	6.4	930	1500	1000	1500	EE470075/470128	68.6	206	229	294	315	6.4	6.4	0.37	1.6	0.9	28.3	
330.2	82.551	84.138	63.5	4.8	6.4	864	1430	1000	1500	470975/470130	68.4	224	205	290	305	4.8	6.4	0.37	1.63	0.9	27.9	
336.55	98.425	95.25	73.025	6.4	6.4	940	1600	1000	1500	HH840249/HH840210	93.7	205	237	292	325	6.4	6.4	0.58	1	0.57	35.7	
339.725	82.551	84.138	63.5	4.8	6.4	864	1430	1000	1500	470975/470133	68.4	224	205	290	305	4.8	6.4	0.37	1.63	0.9	30.4	
339.725	90.488	92.075	63.5	6.4	6.4	864	1430	1000	1500	EE470075/470133	68.3	224	208	290	305	6.4	6.4	0.37	1.63	0.9	31.7	
355.6	79.375	77.788	53.975	6.4	6.4	754	1090	1000	1500	EE607075/607140	83.8	228	208	305	324	6.4	6.4	0.55	1.1	0.6	30.5	
365.049	92.075	88.897	63.5	6.4	3.3	975	1600	1000	1500	EE420751/421437		218	227	329	334	6.4	3.3	0.4	1.49	0.82	42.9	
368.3	92.075	88.897	63.5	6.4	3.3	875	1340	1000	1500	EE420751/421450	78.9	220	243	333	353	6.4	3.3	0.42	1.4	0.79	39.6	
428.625	106.362	95.25	61.912	6.4	6.4	1140	1400	950	1400	EE350750/351687	119	213	246	369	405	6.4	6.4	0.76	0.79	0.44	57.9	
191.237	279.4	53.975	58.738	41.275	3.3	3.3	523	980	1100	1600	M239448A/M239410	49	212	204	265	266	3	3	0.33	1.8	1	10.5
192.088	266.7	47.625	46.833	38.1	10.4	3.2	339	703	1100	1600	67887/67820	57.8	211	218	245	257	10.4	3.2	0.48	1.26	0.69	7.6
193.675	282.575	50.8	47.625	36.512	3.5	3.3	360	600	1100	1600	87762/87111	54.8	205	218	262	274	3.5	3.3	0.42	1.4	0.79	9.23
194.975	266.7	47.625	46.833	38.1	3.6	3.2	339	703	1100	1600	67888/67820	57.8	211	207	245	257	3.6	3.2	0.48	1.26	0.69	7.38
196.85	241.3	23.812	23.017	17.462	1.5	1.5	131	293	1100	1600	LL639249/LL639210	41.4	204	210	230	236	1.5	1.5	0.42	1.4	0.79	2.23
	254	28.575	27.783	21.433	1.5	1.5	177	355	1100	1600	L540049/L540010	42.9	206	213	241	247	1.5	1.5	0.4	1.5	0.83	3.48
	257.175	39.688	39.688	30.162	3.5	3.3	271	620	1100	1600	LM739749/LM739710	51.3	206	218	240	251	3.5	3.3	0.45	1.3	0.73	5.33
	266.7	39.688	39.688	30.163	3.6	3.2	268	632	1100	1600	LM739749/LM739719	50.6	211	209	238	247	3.6	3.2	0.45	1.34	0.74	6.18
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1100	1600	93775/93125	71	214	234	288	306	4.3	3.3	0.52	1.1	0.63	18.7
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1100	1600	93775/93126	75.8	214	234	286	306	4.3	3.3	0.52	1.1	0.63	19.7
198.298	279.4	46.038	49.213	36.513	3.6	3.2	349	707	1100	1600	67981/67919	61.6	222	211	259	272	3.6	3.2	0.51	1.18	0.65	8.75
	282.575	46.038	49.213	36.513	3.6	3.2	349	707	1100	1600	67981/67920	61.6	222	211	259	272	3.6	3.2	0.51	1.18	0.65	9.15

Single-row taper roller bearings (Inch series)

WNBZ



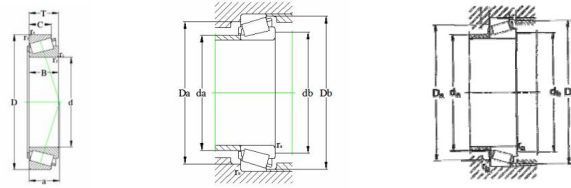
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
199.949	282.575	46.038	49.213	36.513	3.6	3.2	349	707	1100	1600	67982/67920	61.6	222	212	259	272	3.6	3.2	0.51	1.18	0.65	8.95
199.975	317.5	66.675	70	50.8	4.3	3.2	741	1270	1100	1600	122978/122125	54.4	232	214	289	299	4.3	3.2	0.3	2.02	1.11	19.5
200	300	65	62	51	3.5	2.5	615	1130	950	1400	IHM840449/JHM840410	73.1	211	230	274	292	3.5	2.5	0.52	1.2	0.63	15.5
	310	70	70	53	3	2.5	760	1370	950	1400	HR32040XJ	67.4	213	231	285	302	2.5	2	0.43	1.4	0.77	18.9
	276.225	42.862	46.038	34.133	3.5	3.3	390	780	1000	1500	LM241147/LM241110	45	220	216	261	265	3	3	0.31	1.9	1.1	7.7
	292.1	57.945	57.945	46.038	3.6	3.2	545	1030	1000	1500	M241543/M241510	52.6	223	213	268	278	3.6	3.2	0.33	1.8	0.99	12.1
	292.1	57.945	61.913	46.038	6.4	3.2	545	1030	1000	1500	M241542/M241510	52.6	223	219	268	278	6.4	3.2	0.33	1.8	0.99	12.3
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1000	1500	93787/93125	71	216	235	288	306	4.3	3.3	0.52	1.1	0.63	18.3
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1000	1500	93787/93126	75.8	216	235	286	306	4.3	3.3	0.52	1.1	0.63	19.2
	333.375	69.85	69.85	52.388	6.4	6.4	690	1190	1000	1500	HM743337/HM743310	71.3	222	242	302	322	6.4	6.4	0.44	1.4	0.75	23.3
	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	1000	1500	EE130787/131400	59.8	232	250	329	340	6.8	1.5	0.33	1.8	0.99	28.3
	384.175	112.712	112.712	90.488	6.4	6.4	1220	2220	1000	1500	H247535/H247510	84.2	234	258	344	369	6.4	6.4	0.33	1.8	0.99	58.8
	393.7	111.125	111.125	84.138	6.4	6.4	1300	2030	1000	1500	HH144642/HH144614	78.1	227	251	352	374	6.4	6.4	0.3	2	1.1	57.4
200.812	292.1	57.945	61.913	46.038	6.4	3.2	545	1030	1000	1500	M241545/M241510	52.6	223	220	268	278	6.4	3.2	0.33	1.8	0.99	12.2
201.612	360	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	EE420793/421417	78.9	226	246	329	349	3.3	3.3	0.42	1.4	0.79	34.9
203.2	261.142	28.575	27.783	21.433	1.5	1.5	176	355	1100	1600	LL641149/LL641110	43.7	212	219	247	254	1.5	1.5	0.41	1.5	0.81	3.54
	276.225	42.862	42.862	34.133	3.5	3.3	335	620	1100	1600	LM241149/LM241110	44	213	224	259	269	3.5	3.3	0.32	1.9	1	6.84
	279.4	46.038	46.038	36.513	3.6	3.2	349	707	1100	1600	67983/67919	61.6	222	216	259	272	3.6	3.2	0.51	1.18	0.65	8.04
	282.575	46.038	46.038	36.512	3.5	3.3	365	800	1100	1600	67983/67920	61.9	215	230	261	276	3.5	3.3	0.51	1.2	0.65	8.85
	292.1	57.945	57.945	46.038	3.6	3.2	545	1030	1100	1600	M241547/M241510	52.6	223	216	268	278	3.6	3.2	0.33	1.8	0.99	11.7
	317.5	53.975	53.975	34.925	4	3.3	460	725	1100	1600	EE132083/132125	48	219	232	293	302	4	3.3	0.31	1.9	1.1	13.5
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1100	1600	93800/93125	71	217	237	288	306	4.3	3.3	0.52	1.1	0.63	17.8
	317.5	63.5	63.5	46.038	7.9	3.3	575	1060	1100	1600	93800A/93125	71	217	240	288	306	7.9	3.3	0.52	1.1	0.63	17.7



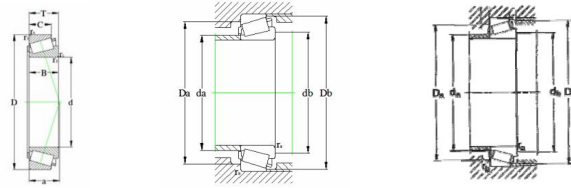
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
317.5	66.675	66.675	50.8	4.3	3.3	615	995	1100	1600	EE122080/122125	55.9	218	234	293	305	4.3	3.3	0.3	2	1.1	17.4	
317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1100	1600	93800/93126	75.8	217	237	286	306	4.3	3.3	0.52	1.1	0.63	18.7	
317.5	68.262	63.5	50.8	7.9	3.3	575	1060	1100	1600	93800A/93126	75.8	217	240	286	306	7.9	3.3	0.52	1.1	0.63	18.6	
346.075	79.375	80.962	60.325	1.5	3.3	900	1460	1000	1500	HM542948/HM542911		224	224	315	322	1.5	3.3	0.39	1.55	0.85	28.8	
360	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	EE420801/421417	78.9	227	246	329	349	3.3	3.3	0.42	1.4	0.79	34.5	
365.049	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	EE420801/421437	78.9	227	246	332	351	3.3	3.3	0.42	1.4	0.79	36	
368.3	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	EE420801/421450	78.9	227	246	333	353	3.3	3.3	0.42	1.4	0.79	36.9	
399.928	72	61.913	54	7.1	3.2	788	1100	1000	1500	EE710806/711574	84.5	274	223	354	371	7.1	3.2	0.47	1.27	0.7	36.8	
406.4	92.075	85.725	57.15	6.4	6.4	935	1310	1000	1500	EE114080/114160	119.9	226	260	352	387	6.4	6.4	0.79	0.75	0.42	48.1	
482.6	117.475	95.25	73.025	6.4	6.4	1190	1590	1000	1500	EE380080/380190	148.6	236	274	408	451	6.4	6.4	0.87	0.69	0.38	88.7	
203.479	261.142	28.575	31.75	21.433	1.6	1.6	189	394	1000	1500	LL641148/LL641110	43.7	220	213	244	250	1.6	1.6	0.41	1.47	0.81	3.57
203.987	276.225	42.662	46.038	34.133	3.5	3.3	390	780	1000	1500	LM241148/LM241110	45	220	220	261	265	3	3	0.31	1.9	1.1	7.25
	276.225	42.863	46.038	34.132	3.6	3.2	375	715	1000	1500	LM241148/LM241111	46.3	221	217	257	264	3.6	3.2	0.32	1.88	1.04	7.12
204.788	292.1	57.945	57.945	46.038	3.5	3.3	540	1050	1000	1500	M241549/M241510	52.8	216	229	271	283	3.5	3.3	0.33	1.8	0.99	12.1
	317.5	63.5	63.5	46.038	4.3	3.2	604	1130	1000	1500	93806A/93125	71.4	227	219	278	295	4.3	3.2	0.52	1.15	0.63	17.1
206.375	282.575	46.038	46.038	36.512	3.5	3.3	365	800	1000	1500	67985/67920	61.9	216	231	261	276	3.5	3.3	0.51	1.2	0.65	8.48
	282.575	46.038	49.212	36.513	3.6	3.2	349	707	1000	1500	67987/67920	61.6	222	220	259	272	3.6	3.2	0.51	1.18	0.65	8.17
	317.5	53.975	53.975	34.925	4	3.3	460	725	1000	1500	EE132084/132125	48	220	234	293	302	4	3.3	0.31	1.9	1.1	13
	317.5	63.5	63.5	46.038	4.3	3.2	6.4	1130	1000	1500	93812/93125	71.4	227	221	278	295	4.3	3.2	0.52	1.15	0.63	16.9
319.088	53.975	53.975	34.925	4	3.2	439	724	1000	1500	EE132084/162127	48.4	238	220	285	292	4	3.2	0.31	1.91	1.05	13.6	
336.55	98.425	100.012	77.788	3.3	3.3	1040	1900	900	1300	H242649/H242610	73.4	222	242	306	325	3.3	3.3	0.33	1.8	0.99	32.8	
360	92.075	88.897	63.5	6.4	3.2	938	1460	900	1300	EE420812X/421417	75.6	243	225	317	334	6.4	3.2	0.4	1.49	0.82	34.7	
482.6	117.475	95.25	73.025	6.4	6.4	1450	2060	900	1300	EE380081/380190	152.8	272	225	386	428	6.4	6.4	0.87	0.69	0.38	92.7	

Single-row taper roller bearings (Inch series)

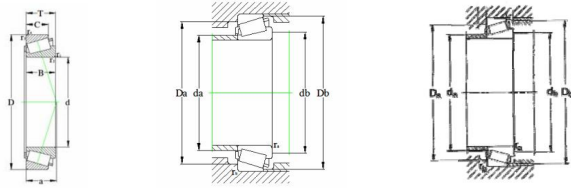
WNBZ



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
209.55	282.575	46.038	46.038	36.512	3.5	3.3	365	800	900	1300	67989/67920	61.9	218	233	261	276	3.5	3.3	0.51	1.2	0.65	8.11
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1000	1500	93825/93125	71	221	240	288	306	4.3	3.3	0.52	1.1	0.63	16.7
	317.5	63.5	63.5	46.038	12.7	3.3	575	1060	1000	1500	93825A/93125	71	221	248	288	306	12.7	3.3	0.52	1.1	0.63	16.6
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1000	1500	93825/93126	75.8	221	240	286	306	4.3	3.3	0.52	1.1	0.63	17.6
	317.5	68.262	63.5	50.8	12.7	3.3	575	1060	1000	1500	93825A/93126	75.8	221	248	286	306	12.7	3.3	0.52	1.1	0.63	17.5
	333.375	69.85	69.85	52.388	6.4	6.4	690	1190	1000	1500	HM743345/HM743310	71.3	227	247	302	322	6.4	6.4	0.44	1.4	0.75	21.7
	355.6	68.262	66.675	47.625	7	3.3	605	1170	1000	1500	96825/96140	85.9	236	260	321	343	7	3.3	0.59	1	0.56	26.7
212.725	285.75	46.038	46.038	34.925	3.5	3.3	350	755	1000	1500	LM742745/LM742710	60.4	224	237	267	280	3.5	3.3	0.48	1.2	0.69	8.15
	336.55	65.088	65.088	50.8	6.4	3.2	708	1380	1000	1500	M246932/M246910	59.9	258	232	309	320	6.4	3.2	0.33	1.8	0.99	21.6
215.9	285.75	46.038	46.038	34.925	3.6	3.2	356	781	1000	1500	LM742748/LM742710	60.7	231	229	265	276	3.6	3.2	0.48	1.25	0.69	7.55
	285.75	46.038	46.038	34.925	3.5	3.3	350	755	1000	1500	LM742749/LM742710	60.4	225	239	267	280	3.5	3.3	0.48	1.2	0.69	7.77
	290.01	31.75	31.75	22.225	3.5	3.3	225	455	1000	1500	543085/543114	45.3	228	237	271	279	3.5	3.3	0.39	1.5	0.85	5.49
	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	1000	1500	EE130852/131400	59.8	240	258	329	340	6.8	1.5	0.33	1.8	0.99	25.4
	355.6	69.85	69.85	49.213	6.7	1.6	727	1310	1000	1500	EE130851/131400	59.9	263	235	319	330	6.7	1.6	0.33	1.82	1	25.9
	360	82.55	79.372	63.5	1.6	3.2	938	1460	1000	1500	EE420850/421417	75.7	243	225	317	334	1.6	3.2	0.4	1.49	0.82	30.9
216.408	285.75	46.038	49.212	34.925	3.5	3.3	352	780	1000	1500	LM742747/LM742710	60	230	230	271	277	3	3	0.48	1.25	0.7	7.85
216.713	285.75	46.038	49.212	34.925	3.5	3.3	352	780	1000	1500	LM742747A/LM742710	60	230	230	271	277	3	3	0.48	1.25	0.7	7.8
219.916	406.4	63.5	61.913	39.688	7.1	6.4	788	1100	1000	1500	EE710865/711600	76	274	240	355	367	7.1	6.4	0.47	1.27	0.7	32.1
219.969	290.01	31.75	31.75	22.225	3.5	3.3	225	455	1000	1500	543086/543114	45.3	231	239	271	279	3.5	3.3	0.39	1.5	0.85	5.14
	292.009	31.75	31.75	22.225	3.6	3.2	231	472	1000	1500	543086/543116	45.1	238	233	267	272	3.6	3.2	0.38	1.56	0.86	5.27
220.116	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	LM245832/LM245810	49	249	235	302	304	3	3	0.31	1.9	1.1	12.5



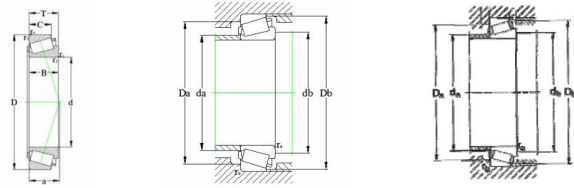
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
220.662	314.325	61.912	61.912	49.212	6.4	3.3	595	1190	900	1300	M244249/M244210	57	233	250	292	305	6.4	3.3	0.33	1.8	0.99	14.9
220.878	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	LM245833/LM245810	49	249	336	302	304	3	3	0.31	1.9	1.1	12.5
222.25	482.6	117.475	95.25	73.025	6.4	6.4	1450	2060	900	1300	EE380875/380190	152.8	272	241	386	428	6.4	6.4	0.87	0.69	0.38	88.8
223.838	295.275	46.038	46.038	34.925	3.6	3.2	360	792	900	1300	LM844049/LM844010	63.1	239	237	274	286	3.6	3.2	0.5	1.2	0.66	8.01
225.425	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	900	1300	EE130889/131400	59.8	245	263	329	340	6.8	1.5	0.33	1.8	0.99	23.6
	400.05	88.9	87.312	63.5	1.5	3.3	945	1510	900	1300	EE430888/431575	82	246	266	359	379	1.5	3.3	0.44	1.4	0.75	42.6
227.33	406.4	63.5	61.913	39.688	7.1	6.4	788	1100	900	1300	EE710905/711600	76	274	248	355	367	7.1	6.4	0.47	1.27	0.7	30.9
228.397	431.8	92.075	85.725	49.212	6.4	6.4	885	1320	900	1300	EE113089/113170	132.5	256	287	378	410	6.4	6.4	0.88	0.68	0.38	49
	459.892	85.344	85.725	42.482	6.4	3.2	994	1450	900	1300	EE113089/113181	128.1	275	247	372	397	6.4	3.2	0.88	0.68	0.37	55
228.46	431.8	92.075	85.725	49.212	6.4	6.4	885	1320	900	1300	EE113091/113170	132.5	256	287	378	410	6.4	6.4	0.88	0.68	0.38	49
228.6	295.275	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	544090/544116	49.6	240	250	279	288	3.5	3.3	0.4	1.5	0.82	5.25
	300.038	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	544090/544118	49.6	240	250	282	291	3.5	3.3	0.4	1.5	0.82	5.66
320.675	50.8	49.212	33.338	6.4	3.3	445	840	900	1300	88900/88126	65.4	242	260	300	312	6.4	3.3	0.48	1.2	0.68	11.6	
	327.025	52.388	49.212	34.925	6.4	3.3	445	840	900	1300	88900/88128	67	242	260	302	315	6.4	3.3	0.48	1.2	0.68	12.7
327.025	52.388	52.388	36.512	6.4	3.3	470	940	900	1300	8573/8520	59.6	244	261	304	317	6.4	3.3	0.41	1.5	0.81	13.3	
355.6	68.262	66.675	47.625	7	3.3	605	1170	900	1300	96900/96140	85.9	246	270	321	343	7	3.3	0.59	1	0.56	23.3	
	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	900	1300	EE130902/131400	59.8	246	265	329	340	6.8	1.5	0.33	1.8	0.99	23
355.6	69.85	69.85	50.8	6.4	6.4	772	1370	900	1300	HM746645/HM746610	77	261	247	322	338	6.4	6.4	0.47	1.27	0.7	24	
	355.6	69.85	69.85	50.8	6.4	6.4	765	1300	900	1300	HM746646/HM746610	75.6	244	266	324	345	6.4	6.4	0.47	1.3	0.7	23.1
358.775	71.438	71.438	53.975	3.6	3.2	773	1590	900	1300	M249732/M249710	64.4	279	242	330	342	3.6	3.2	0.33	1.8	0.99	26.6	
	399.928	72	61.913	54	7.1	3.2	788	1100	900	1300	EE710906/711574	84.5	274	249	354	371	7.1	3.2	0.47	1.27	0.7	32.6



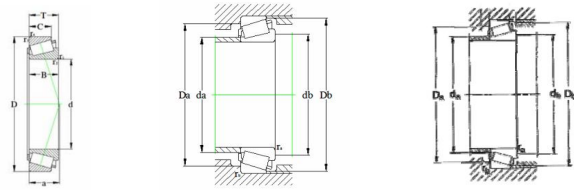
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
400.05	88.9	87.312	63.5	10.4	3.3	945	1510	900	1300	EE430900/431575	82	248	277	359	379	10.4	3.3	0.44	1.4	0.75	41.7	
400.05	88.9	87.312	63.5	19.8	3.3	945	1510	900	1300	EE430902/431575	82	248	286	359	379	19.8	3.3	0.44	1.4	0.75	41.3	
425.45	101.6	95.25	76.2	7	6.4	1280	2000	900	1300	EE700091/700167	80.8	257	281	384	406	7	6.4	0.33	1.8	0.99	57	
488.95	123.825	111.125	73.025	6.4	6.4	1600	2500	900	1300	HH949549/HH949510	166.5	264	307	420	470	6.4	6.4	0.94	0.64	0.35	103	
508	117.475	95.25	73.025	6.4	6.4	1240	1780	900	1300	EE390090/390200	168.3	266	305	429	479	6.4	6.4	0.94	0.64	0.35	96.5	
230.188	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	LM245846/LM245810	49	249	246	302	304	3	3	0.31	1.9	1.1	11
231.775	268.288	22.499	21.501	18.499	2	2	130	317	900	1300	LL244549/LL244510	38.1	240	242	258	262	2	2	0.33	1.8	0.99	1.82
	295.275	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	544091/544116	49.6	241	251	279	288	3.5	3.3	4	1.5	0.82	4.96
300.038	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	544091/544118	49.6	241	251	282	291	3.5	3.3	0.4	1.5	0.82	5.38	
	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	LM245848/LM245810	49	249	248	302	304	3	3	0.31	1.9	1.1	10.5
	336.55	65.088	65.088	50.8	6.4	3.3	640	1270	900	1300	M246942/M246910	60.1	247	265	313	326	6.4	3.3	0.33	1.8	0.99	18.4
	336.55	65.088	69.85	50.8	6.4	3.2	708	1380	900	1300	M246943/M246910	59.9	258	251	309	320	6.4	3.2	0.33	1.8	0.99	18.6
	358.775	71.438	71.438	53.975	6.4	3.2	773	1590	900	1300	M249734/M249710	64.4	279	251	330	342	6.4	3.2	0.33	1.8	0.99	26.3
	377.825	79.375	80.963	58.738	3.2	3.2	958	1630	900	1300	HM647448/HM647411	77.6	266	244	337	353	3.2	3.2	0.43	1.4	0.77	32.9
	358.775	71.438	71.438	53.975	6.4	3.3	760	1540	900	1300	M249743/M249710	64.6	256	276	335	348	6.4	3.3	0.33	1.8	0.99	26.2
234.95	311.15	46.038	46.038	33.338	3.6	3.2	407	825	900	1300	LM446349/LM446310	52.4	253	248	290	298	3.6	3.2	0.36	1.66	0.91	8.73
	314.325	49.212	49.212	36.512	3.5	3.3	455	955	900	1300	LM545849/LM545810	57.4	247	260	296	309	3.5	3.3	0.4	1.5	0.83	10.4
	317.5	49.213	49.213	36.513	3.6	3.2	485	981	900	1300	LM545849/LM545812	57.5	252	248	294	303	3.6	3.2	0.4	1.51	0.83	10.6
	320.675	50.8	49.212	33.338	6.4	3.3	445	840	900	1300	88925/88126	65.4	246	263	300	312	6.4	3.3	0.48	1.2	0.68	10.7
	327.025	52.388	49.212	34.925	6.4	3.3	445	840	900	1300	88925/88128	67	246	263	302	315	6.4	3.3	0.48	1.2	0.68	11.8
	327.025	52.388	52.388	36.513	6.4	3.2	468	930	900	1300	8574/8520	60	258	254	300	310	6.4	3.2	0.41	1.48	0.81	12.2
	327.025	52.388	52.388	36.512	6.4	3.3	470	940	900	1300	8575/8520	59.6	248	264	304	317	6.4	3.3	0.41	1.5	0.81	12.4
	328.625	52.388	52.388	36.513	6.4	3.2	468	930	900	1300	8575/8522	60	258	254	300	310	6.4	3.2	0.41	1.48	0.81	12.4
	355.6	68.262	66.675	47.625	7	3.3	605	1170	900	1300	96925/96140	85.9	249	273	321	343	7	3.3	0.59	1	0.56	22.1

Single-row taper roller bearings (Inch series)

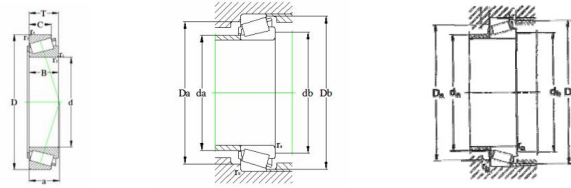
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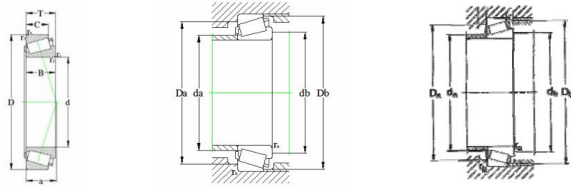
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
381	74.613	74.613	57.15	6.4	3.2	854	1670	900	1300	M252330/M252310	69	294	254	351	363	6.4	3.2	0.33	1.8	0.99	32.5	
384.175	112.713	112.712	90.488	6.4	6.4	1450	2680	900	1300	H247548/H247510	83.8	265	254	342	362	6.4	6.4	0.33	1.8	0.99	50	
384.175	112.712	112.712	90.488	6.4	6.4	1220	2220	900	1300	H247549/H247510	84.2	251	276	344	369	6.4	6.4	0.33	1.8	0.99	48.2	
236.538	320.675	44.45	44.45	33.338	3.6	3.2	409	755	900	1300	88931/88126	64.4	254	250	298	309	3.6	3.2	0.48	1.24	0.68	9.24
237.33	336.55	65.088	65.088	50.8	6.4	3.3	640	1270	900	1300	M246949/M246910	60.1	250	268	313	326	6.4	3.3	0.33	1.8	0.99	17.3
	358.775	71.438	71.438	53.975	6.4	3.3	760	1540	900	1300	M249736/M249710	64.6	259	279	335	348	6.4	3.3	0.33	1.8	0.99	25
241.122	368.3	68.262	68.262	53.975	6.4	3.3	685	1210	900	1300	EE125094/125145	65.3	258	277	339	354	6.4	3.3	0.34	1.7	0.96	24.1
241.3	327.025	52.388	52.388	36.512	6.4	3.3	470	940	900	1300	8578/8520	59.6	250	267	304	317	6.4	3.3	0.41	1.5	0.81	11.4
	355.6	50.8	50.8	33.338	6.4	3.2	508	924	900	1300	EE170950/171400	56.1	280	260	328	336	6.4	3.2	0.36	1.65	0.91	16.1
	349.148	57.15	57.15	44.45	6.4	3.3	570	1060	900	1300	EE127095/127135	59.5	257	274	325	338	6.4	3.3	0.35	1.7	0.93	16.8
	355.6	50.8	50.8	33.338	6.4	3.3	460	815	900	1300	EE170950/171400	56	260	275	331	341	6.4	3.3	0.36	1.7	0.91	15.2
	355.6	57.15	57.15	44.45	6.4	3.3	570	1060	900	1300	EE127095/127140	59.5	257	274	328	341	6.4	3.3	0.35	1.7	0.93	18
	365.049	50.8	50.8	33.338	6.4	3.2	508	924	900	1300	EE170950/171436	56.1	280	260	328	336	6.4	3.2	0.36	1.65	0.91	17.4
	368.3	50.8	50.8	33.338	6.4	3.3	460	815	900	1300	EE170950/171450	56	260	275	338	348	6.4	3.3	0.36	1.7	0.91	17.1
	368.3	68.262	68.262	53.975	6.4	3.3	685	1210	900	1300	EE125095/125145	65.3	258	278	339	354	6.4	3.3	0.34	1.7	0.96	24.1
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	900	1300	EE275095/275155	76.1	274	293	364	382	6.4	6.4	0.4	1.5	0.82	32.3
	406.4	69.85	69.85	46.038	6.4	6.4	700	1280	800	1100	EE275095/275160	72.1	274	293	371	389	6.4	6.4	0.4	1.5	0.82	34.3
	444.5	101.6	100.012	76.2	6.4	4.8	1410	2240	800	1100	EE923095/923175	84.4	273	295	403	423	6.4	4.8	0.34	1.8	0.98	65.4
	488.95	120.65	120.65	92.075	6.4	6.4	1720	2860	800	1100	EE295950/295193	92.8	288	315	445	469	6.4	6.4	0.31	1.9	1.1	101
	508	117.475	95.25	73.025	6.4	6.4	1240	1780	800	1100	EE390095/390200	168.3	272	312	429	479	6.4	6.4	0.94	0.64	0.35	93
243.683	315.913	31.75	31.75	22.225	3.6	3.2	241	549	800	1100	LL648434/LL648415	54	268	257	295	301	3.6	3.2	0.43	1.39	0.77	6
244.475	381	79.375	76.2	57.15	6.4	4.8	820	1540	800	1100	EE126097/126150	87.5	261	286	344	367	6.4	4.8	0.52	1.2	0.64	30.7



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
425.45	93.6663	87.313	76.2	1.6	1.6	6.4	1180	1980	800	1100	EE700096/700167	81.2	285	254	364	381	1.6	6.4	0.33	1.8	0.99	52.4
247.65	304.8	22.225	22.225	15.875	1.6	1.6	155	322	800	1100	28880/28820	38.8	262	257	285	289	1.6	1.6	0.32	1.85	1.02	3.05
	346.075	63.5	63.5	50.8	6.4	6.4	726	1440	800	1100	M348449/M348410	61.7	268	267	319	331	6.4	6.4	0.34	1.75	0.96	17.4
	355.6	50.8	50.8	33.338	6.4	3.3	460	815	800	1100	EE170975/171400	56	263	278	331	341	6.4	3.3	0.36	1.7	0.91	14.2
	368.3	50.8	50.8	33.338	6.4	3.3	460	815	800	1100	EE170975/171450	56	263	278	338	348	6.4	3.3	0.36	1.7	0.91	16.1
	381	74.613	74.613	57.15	6.4	3.2	854	1670	800	1100	M252337/M252310	69	294	267	351	363	6.4	3.2	0.33	1.8	0.99	29.7
	406.4	115.888	117.475	93.662	6.4	6.4	1530	2920	800	1100	HH249949/HH249910	87.4	266	293	366	392	6.4	6.4	0.33	1.8	0.99	58.2
	444.5	104.775	103.188	76.2	6.4	4.8	1560	2460	800	1100	EE115097/115175	85.3	296	267	395	412	6.4	4.8	0.35	1.73	0.95	65
	603.25	160.338	158.75	122.238	6.4	9.5	3070	4210	800	1100	EE515097/515237	127.4	345	267	520	545	6.4	9.5	0.38	1.57	0.86	224
249.25	381	79.375	76.2	57.15	6.4	4.8	788	1470	800	1100	EE126098/126150	88.5	27.8	268	337	356	6.4	4.8	0.52	1.16	0.64	29.5
254	315.913	31.75	31.75	22.225	3.6	4.8	241	549	800	1100	LL648449/LL648416	54	268	267	295	301	3.6	4.8	0.43	1.39	0.77	4.99
	317.5	22.225	22.225	15.875	1.5	1.5	153	380	800	1100	29875/29819	43.4	271	276	307	311	1.5	1.5	0.35	1.7	0.95	4.18
	323.85	22.225	22.225	15.875	1.5	1.5	153	380	800	1100	29875/29820	43.4	271	276	310	315	1.5	1.5	0.35	1.7	0.95	4.57
	358.775	71.438	71.438	53.975	3.5	3.3	760	1540	800	1100	HH249749/HH249710	64.6	267	284	335	348	3.5	3.3	0.33	1.8	0.99	21.5
	365.125	58.738	58.738	42.862	6.4	6.4	580	1100	800	1100	EE134100/134143	64.2	272	289	339	354	6.4	6.4	0.37	1.6	0.88	18.4
	368.3	58.738	58.738	42.862	6.4	6.4	580	1100	800	1100	EE134100/134145	64.2	272	289	340	356	6.4	6.4	0.37	1.6	0.88	19.1
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	800	1100	EE275100/275155	76.1	280	299	364	382	6.4	6.4	0.4	1.5	0.82	29.6
	403.225	69.85	69.85	46.038	6.4	6.4	738	1540	700	1000	EE275100/275158	71.5	313	273	365	378	6.4	6.4	0.4	1.49	0.82	32.5
	422.275	86.121	79.771	66.675	6.7	3.2	1010	1680	700	1000	HM252343/HM252310	78.7	309	273	384	399	6.7	3.2	0.33	1.8	0.99	42.7
	422.275	86.121	79.771	66.675	6.7	3.2	1010	1680	700	1000	HM252344/HM252310	78.7	309	273	384	399	6.7	3.2	0.33	1.8	0.99	42.7
	444.5	76.2	73.025	50.8	6.4	6.4	860	1380	700	1000	EE822100/822175	81	316	273	392	406	6.4	6.4	0.42	1.44	0.79	43
	444.5	76.2	76.2	50.8	6.4	6.4	860	1380	700	1000	EE822100X/822175	81	316	273	392	406	6.4	6.4	0.42	1.44	0.79	43.6
	400.05	57.15	55.562	41.275	3.3	1.5	635	1050	700	1000	EE251001/251575	61.2	276	291	372	381	3.3	1.5	0.33	1.8	1	24.3



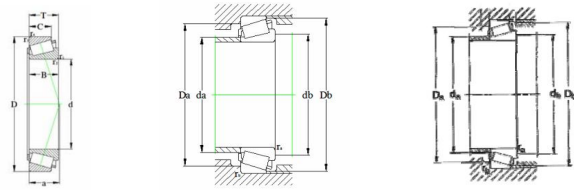
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
406.4	69.85	69.85	46.038	6.4	6.4	700	1280	700	1000	EE275100/275160	72.1	280	299	371	389	6.4	6.4	0.4	1.5	0.82	31.6	
422.275	86.121	79.771	66.675	6.8	3.3	1140	1850	700	1000	HM252343/HM252310	77.6	278	301	392	408	6.8	3.3	0.33	1.8	0.99	43.2	
431.724	82.55	79.771	60.325	6.8	3.5	1140	1850	700	1000	HM252343/HM252315	74.1	278	301	397	413	6.8	3.5	0.33	1.8	0.99	44.9	
444.5	76.2	73.025	50.8	6.4	6.4	995	1500	700	1000	EE822100/822175	71.1	281	302	405	421	6.4	6.4	0.34	1.8	0.97	42.7	
495.3	76.2	74.612	53.975	6.4	3.3	1080	1790	700	1000	EE941002/941950	85.1	304	327	455	471	6.4	3.3	0.4	1.5	0.83	64	
495.3	141.288	141.288	114.3	6.4	6.4	2330	4670	700	1000	HH258232/HH258210	108.1	346	273	442	467	6.4	6.4	0.33	1.8	0.99	128	
533.4	133.35	120.65	77.788	6.4	6.4	1840	2770	600	800	HH953749/HH953710	177.9	285	332	457	511	6.4	6.4	0.94	0.64	0.35	127	
255.6	342.9	57.15	63.5	44.45	1.6	3.2	612	1280	700	1000	M349546XX/M349510	60.1	276	265	321	331	1.6	3.2	0.35	1.73	0.95	14.1
	342.9	57.15	63.5	44.45	1.6	3.2	612	1280	700	1000	M349547/M349510	60.1	276	265	321	331	1.6	3.2	0.35	1.73	0.95	14.1
257.175	342.9	57.15	57.15	44.45	6.4	3.3	560	1190	850	1200	M349549/M349510	59.6	269	285	323	336	6.4	3.3	0.35	1.7	0.94	14.1
	358.775	71.438	76.2	53.975	1.6	3.2	773	1590	850	1200	M249747/M249710	64.4	279	266	330	342	1.6	3.2	0.33	1.8	0.99	21
258.763	400.05	69.85	67.47	46.038	9.5	6.4	759	1280	850	1200	EE221018/221575	71.2	295	284	359	371	9.5	6.4	0.39	1.52	0.84	26.7
260.35	365.125	58.738	58.738	42.862	6.4	6.4	580	1100	850	1200	EE134102/134143	64.2	275	293	339	354	6.4	6.4	0.37	1.6	0.88	17.3
	368.3	58.738	58.738	42.862	6.4	6.4	580	1100	850	1200	EE134102/134145	64.2	275	293	340	356	6.4	6.4	0.37	1.6	0.88	17.9
	400.05	69.85	67.47	46.038	9.7	6.4	735	1220	800	1100	EE221026/221575	71.4	278	300	366	383	9.7	6.4	0.39	1.5	0.84	26.7
	406.4	69.85	67.673	53.975	3.3	3.3	750	1430	800	1100	EE128102/128160	73.5	285	302	376	391	3.3	3.3	0.39	1.6	0.86	31.8
	419.1	85.725	84.138	61.912	6.4	3.3	960	1820	800	1100	EE435102/435165	106	281	310	378	405	6.4	3.3	0.61	0.99	0.54	42.9
	422.275	86.121	79.771	66.675	6.7	3.2	1010	1680	800	1100	HM252348/HM252310	78.7	309	280	384	399	6.7	3.2	0.33	1.8	0.99	41.2
	422.275	86.121	79.771	66.675	6.8	3.3	1140	1850	800	1100	HM252349/HM252310	77.6	282	304	392	408	6.8	3.3	0.33	1.8	0.99	41.6
	422.275	86.124	79.771	66.675	6.8	3.3	975	1590	800	1100	EE551026/551662	77.3	281	302	387	404	6.8	3.3	0.33	1.8	0.99	41
	431.724	82.55	79.771	60.325	6.7	3.6	1010	1680	800	1100	HM252348/HM252315	75.2	309	280	385	398	6.7	3.6	0.33	1.8	0.99	42.9
	431.724	82.55	79.771	60.325	6.8	3.5	1140	1850	800	1100	HM252349/HM252315	74.1	282	304	397	413	6.8	3.5	0.33	1.8	0.99	43.3
	488.95	120.65	120.65	92.075	6.4	6.4	1720	2860	800	1100	EE295102/295193	92.8	297	325	445	469	6.4	6.4	0.31	1.9	1.1	93.8



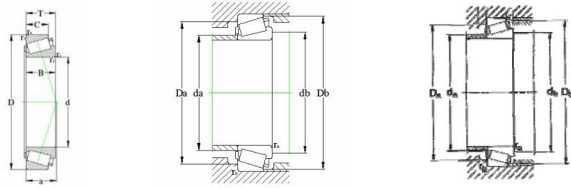
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
262.975	355.6	57.15	62	44.45	3.6	3.2	605	1280	900	1300	LM451344/LM451310	62.3	287	276	332	343	3.6	3.2	0.36	1.67	0.92	15.7
263.525	325.438	28.575	28.575	25.4	1.5	1.5	228	555	900	1300	38880/38820	46.6	274	281	312	318	1.5	1.5	0.35	1.7	0.95	5.3
	355.6	57.15	57.15	44.45	3.5	3.3	615	1260	850	1200	LM451345/LM451310	62.4	276	290	335	348	3.5	3.3	0.36	1.6	0.9	15.3
264.975	352.425	36.513	34.925	23.813	3.6	3.2	310	653	850	1200	L853042/L853010	71.2	295	278	329	338	3.6	3.2	0.54	1.11	0.61	8.82
	355.6	57.15	62	44.45	3.6	3.2	605	1280	850	1200	LM451347/LM451310	62.3	287	278	332	343	3.6	3.2	0.36	1.67	0.92	15.3
266.7	323.85	22.225	22.225	15.875	1.5	1.5	153	380	850	1200	29880/29820	43.4	277	282	310	315	1.5	1.5	0.35	1.7	0.95	3.67
	325.438	28.575	28.575	25.4	1.5	1.5	228	555	850	1200	38885/38820	46.6	276	283	312	318	1.5	1.5	0.35	1.7	0.95	5
	325.438	28.575	33.47	25.4	1.6	1.6	217	7	850	1200	38886/38820XX	48.6	281	276	306	312	1.6	1.6	0.37	1.64	0.9	4.97
	355.6	57.15	57.15	44.45	3.5	3.3	615	1260	850	1200	LM451349/LM451310	62.4	277	292	335	348	3.5	3.3	0.36	1.6	0.9	14.7
	355.6	57.15	57.15	44.4	10.4	3.2	605	1280	850	1200	LM451349A/LM451311	62.3	287	294	332	343	10.4	3.2	0.36	1.67	0.92	14.5
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	850	1200	EE275105/275155	76.1	286	306	364	382	6.4	6.4	0.4	1.5	0.82	26.7
	406.4	69.85	69.85	46.038	6.4	6.4	700	1280	850	1200	EE275105/275160	72.1	286	306	371	389	6.4	6.4	0.4	1.5	0.82	28.8
	422.275	86.121	79.771	66.675	6.8	3.2	1010	1680	850	1200	HM252349A/HM252310	78.7	309	286	384	399	6.8	3.2	0.33	1.8	0.99	39.5
	431.724	82.55	79.771	60.325	6.7	3.6	980	1710	850	1200	EE551050/551700	74.3	304	286	375	388	6.7	3.6	0.33	1.8	0.99	40.9
	422.275	86.124	79.771	66.675	6.8	3.3	975	1590	850	1200	EE551050/551662	77.3	284	306	387	404	6.8	3.3	0.33	1.8	0.99	39.4
444.5	120.65	117.475	88.9	6.4	6.4	1610	3050	850	1200	H852849/H852810	119.9	282	320	392	431	6.4	6.4	0.58	1	0.57	72	
269.875	381	74.612	74.612	57.15	6.4	3.3	790	1590	850	1200	M252349/M252310	68.8	285	304	356	370	6.4	3.3	0.33	1.8	0.99	24.8
273.05	317.5	22.225	22.225	15.875	1.6	1.6	147	361	850	1200	29888/29819	43	284	282	304	307	1.6	1.6	0.35	1.73	0.95	2.61
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	850	1200	EE275108/275155	76.1	290	309	364	382	6.4	6.4	0.4	1.5	0.82	25.2
	406.4	69.85	69.85	46.038	6.4	6.4	700	1280	850	1200	EE275108/275160	72.1	290	309	371	389	6.4	6.4	0.4	1.5	0.82	27.3
275	352.425	36.513	40	23.813	3.6	3.2	310	653	850	1200	L853048/L853010	71.2	295	281	329	338	3.6	3.2	0.54	1.11	0.61	7.96
276.225	352.425	36.512	34.925	23.812	3.5	3.3	320	665	850	1200	L853049/L853010	72	288	300	333	344	3.5	3.3	0.54	1.1	0.62	7.85

Single-row taper roller bearings (Inch series)

WNBZ



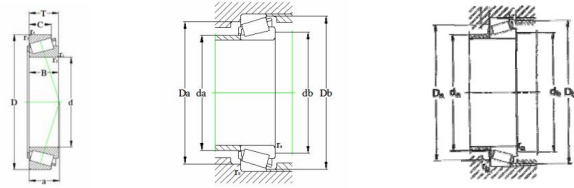
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
279.4	317.5	22.225	22.86	17.653	1.6	1.6	151	422	850	1200	LL352148/LL352111	44	289	289	307	311	1.6	1.6	0.35	1.73	0.95	2.37
	317.5	24.384	24.384	18.288	1.6	1.6	151	422	850	1200	LL352149/LL352110	44.7	289	289	307	311	1.6	1.6	0.35	1.73	0.95	2.52
	374.65	47.625	47.625	34.925	3.6	3.2	468	971	850	1200	L555233/L555210	64.7	309	293	352	361	3.6	3.2	0.4	1.49	0.82	14
	469.9	95.25	93.662	69.85	9.7	3.3	1180	2060	850	1200	EE722110/722185	87.2	308	336	431	451	9.7	3.3	0.38	1.6	0.87	60.9
	488.95	120.65	120.65	92.075	1.3	6.4	1720	2860	850	1200	EE295110/295193	92.8	307	329	445	469	1.3	6.4	0.31	1.9	1.1	86.2
279.982	380.009	65.088	65.088	49.212	3.6	3.2	664	1410	850	1200	LM654642/LM654611	75.9	307	293	356	370	3.6	3.2	0.43	1.39	0.77	20
	380.898	65.088	65.088	49.212	3.5	3.3	660	1550	850	1200	LM654642/LM654610		298	302	356	368	3.5	3.3	0.43	1.39	0.76	19
280	6.4	69.85	67.673	53.975	6.4	3.2	767	1470	850	1200	EE128112/128160	75	311	299	369	383	6.4	3.2	0.39	1.56	0.86	27.7
280.192	400.05	52.388	0.211	34.925	6.7	3.2	521	991	850	1200	EE101103/101575	67.7	317	300	366	375	6.7	3.2	0.41	1.48	0.81	18.7
	406.4	52.388	50.211	34.925	6.8	3.3	520	870	850	1200	EE101103/101600	68.1	299	315	380	391	6.8	3.3	0.41	1.5	0.81	18.9
	406.4	69.85	67.673	53.975	6.7	3.2	767	1470	850	1200	EE128110/128160	75	311	300	369	383	6.7	3.2	0.39	1.56	0.86	27.6
	406.4	69.85	67.673	53.975	6.8	3.3	750	1430	850	1200	EE128111/128160	73.5	295	316	376	391	6.8	3.3	0.39	1.6	0.86	27.2
	409.981	69.85	67.673	53.975	6.8	3.3	750	1430	850	1200	EE128111/128161	73.5	295	316	377	393	6.8	3.3	0.39	1.6	0.86	28.2
285.75	354.013	33.338	31.75	22.225	3.6	3.2	240	537	850	1200	545112/545139	65.8	308	299	337	344	3.6	3.2	0.49	1.23	0.68	6.3
	358.775	33.338	31.75	22.225	3.5	3.3	252	575	850	1200	545112/545141	66.3	298	307	339	348	3.5	3.3	0.49	1.2	0.67	7.09
	380.898	65.088	65.088	49.212	3.5	3.3	615	1490	850	1200	LM654649/LM654610	76.1	300	316	355	371	3.5	3.3	0.43	1.4	0.77	20
	469.9	81.77	80.569	57.15	9.7	3.3	1100	1810	850	1200	EE921124/921850	69.4	315	338	438	451	9.7	3.3	0.29	2.1	1.1	49.4
288.925	406.4	77.788	77.788	60.325	6.4	3.3	1010	2080	850	1200	M255499/M255410A		310	316	379	388	6.4	3.3	0.34	1.78	0.98	29.8
	406.4	77.788	77.788	60.325	6.4	3.3	895	1830	850	1200	M255449/M255410	72.8	304	324	380	395	6.4	3.3	0.34	1.8	0.98	29.8
	406.949	77.907	77.788	61	9.5	3.6	1010	2210	850	1200	M255448/M255411	73.3	318	314	374	388	9.5	3.6	0.34	1.77	0.98	31.1
289.975	393.7	50.8	50.8	38.1	6.4	3.2	524	1180	850	1200	L357040/L357010	64.8	329	309	369	378	6.4	3.2	0.36	1.67	0.92	17.4
292.1	374.65	47.625	47.625	34.925	3.5	3.3	490	1060	800	1100	L555249/L555210	64.5	303	316	355	366	3.5	3.3	0.4	1.5	0.82	12.5



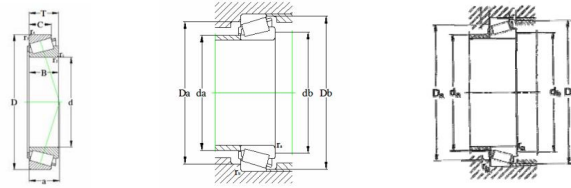
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
393.7	63.5	50.8	44.45	3.5	6.4	545	1120	800	1100	84115/84155	99.8	305	323	364	383	3.5	6.4	0.61	0.99	0.54	18.6	
469.9	95.25	93.662	69.85	9.7	3.3	1180	2060	800	1100	EE722115/722185	87.2	315	342	431	451	9.7	3.3	0.38	1.6	0.87	56.7	
508	106.363	107.95	74.613	6.4	3.2	1480	2540	800	1100	EE224115/224200	88.5	362	311	453	469	6.4	3.2	0.33	1.84	1.01	82.5	
558.8	136.525	136.525	98.425	6.4	6.4	2480	4100	700	1000	EE790114/790221	113.5	332	362	506	537	6.4	6.4	0.39	1.5	0.84	147	
558.8	136.525	136.525	98.425	19.8	6.4	2350	4000	700	1000	EE790116/790221	114.2	366	338	488	510	19.8	6.4	0.4	1.52	0.84	142	
298.45	431.8	69.85	58.738	53.975	6.4	3.3	755	1400	700	1000	EE111175/111700	88.1	316	336	400	417	6.4	3.3	0.44	1.4	0.75	29.2
444.5	63.5	61.912	39.688	8	3.3	685	1140	700	1000	EE291175/291749	71.8	319	339	415	427	8	3.3	0.38	1.6	0.87	28.7	
444.5	63.5	61.912	39.688	8	1.5	685	1140	700	1000	EE291175/291750	71.8	319	339	417	427	8	1.5	0.38	1.6	0.87	28.7	
299.975	495.3	141.288	141.288	114.3	6.4	6.4	2330	4670	700	1000	HH258248/HH258210	108.1	346	319	442	467	6.4	6.4	0.33	1.8	0.99	106
300	495.3	141.288	141.288	114.3	6.4	6.4	2330	4550	630	850	HH258248/HH258210	106	341	330	464	468	6	6	0.33	1.8	1	107
300.038	422.275	82.55	82.55	63.5	6.4	3.3	990	2050	630	850	HM256849/HM256810	76.7	317	337	395	411	6.4	3.3	0.34	1.8	0.98	34.2
304.8	393.7	50.8	50.8	38.1	6.4	3.3	530	1140	630	850	L357049/L357010	63.7	318	334	374	385	6.4	3.3	0.36	1.7	0.92	14.5
406.4	63.5	63.5	47.625	6.4	3.3	690	1490	630	850	LM757049/LM757010	79.4	317	337	380	396	6.4	3.3	0.44	1.4	0.75	21.4	
438.048	76.2	76.992	53.975	6.4	4.8	788	1610	630	850	EE129120X/129172	82	343	325	401	415	6.4	4.8	0.4	1.49	0.82	34.4	
444.5	63.5	61.912	39.688	8	3.3	685	1140	630	850	EE291201/291749	71.8	323	342	415	427	8	3.3	0.38	1.6	0.87	27.3	
444.5	63.5	61.912	39.688	8	1.5	685	1140	630	850	EE291201/291750	71.8	323	342	417	427	8	1.5	0.38	1.6	0.87	27.3	
488.95	92.075	92.075	63.5	16	3.2	1270	2340	630	850	EE724119/724191	92	359	344	439	456	16	3.2	0.4	1.49	0.82	60.4	
488.95	92.075	92.075	63.5	16	3.2	1270	2340	630	850	EE724120/724191	92	359	344	439	456	16	3.2	0.4	1.49	0.82	60.4	
495.3	76.2	74.612	53.975	6.4	3.3	1080	1790	630	850	EE941205/941950	85.1	329	352	455	471	6.4	3.3	0.4	1.5	0.83	51	
495.3	76.2	74.612	53.975	6.4	3.3	1140	1940	630	850	EE941205/941950A		329	339	459	463	6.4	3.3	0.4	1.49	0.82	55.8	
495.3	76.2	77.866	53.975	6.4	3.2	1020	1610	630	850	EE941205X/941950	88.1	355	325	441	455	6.4	3.2	0.4	1.49	0.82	50.7	
495.3	95.25	92.075	69.85	16	6.4	1270	2340	630	850	EE724119/724195	95.2	359	344	439	47.4	16	6.4	0.4	1.49	0.82	64.8	
495.3	95.25	92.075	69.85	16	6.4	1240	2150	630	850	EE724120/724195	93.9	329	364	451	474	16	6.4	0.4	1.5	0.82	63.3	

Single-row taper roller bearings (Inch series)

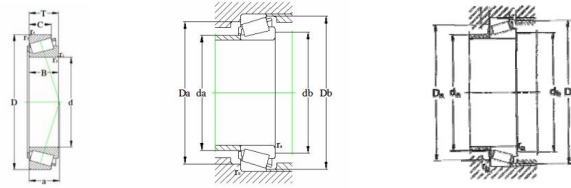
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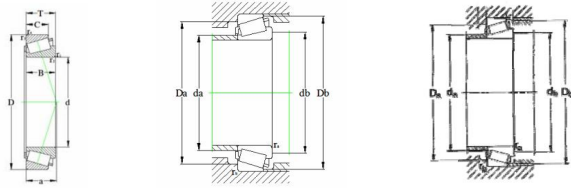
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
499.948	101.6	79.375	53.975	6.4	6.4	1190	2030	630	850	M959442/M959410	203	327	367	444	487	6.4	6.4	1.2	0.51	0.28	67.6	
558.8	136.525	136.525	98.425	1.3	6.4	2480	4100	630	850	EE790120/790221	113.5	338	364	506	537	1.3	6.4	0.39	1.5	0.84	141	
305.054	406.4	63.5	63.5	47.625	6	3.2	748	1580	630	850	LM757049A/LM757010	79.6	323	325	376	390	6.4	3.2	0.44	1.36	0.75	21.2
314.325	495.3	120.65	119.062	88.9	6.4	6.4	1710	3300	630	850	H859049/H859010	125.3	335	368	446	484	6.4	6.4	0.55	1.1	0.6	83.8
317.5	444.5	63.5	61.912	39.688	8	1.5	685	1140	630	850	EE291250/291750	71.8	329	349	417	427	8	1.5	0.38	1.6	0.87	24.3
	444.5	63.5	61.913	39.688	15	1.6	721	1380	630	850	EE291251/291750	70	346	355	404	414	15	1.6	0.38	1.59	0.87	25.7
	444.5	63.5	61.912	39.688	8	3.3	685	1140	630	850	EE291250/291749	71.8	329	349	415	427	8	3.3	0.38	1.6	0.87	24.2
447.675	85.725	85.725	68.263	3.6	3.2	1060	2330	630	850	HM259048/HM259010	79.7	352	332	411	426	3.6	3.2	0.33	1.8	0.99	40.9	
447.675	85.725	85.725	68.262	3.5	3.3	1120	2350	630	850	HM259049/HM259010	80.1	333	353	418	435	3.5	3.3	0.33	1.8	0.99	40.4	
596.9	136.525	136.525	98.425	19.8	6.4	2480	4110	600	800	EE720125/720236	119.6	389	364	520	545	19.8	6.4	0.42	1.42	0.78	161	
622.3	147.638	131.762	82.55	14.3	12.7	2270	3800	600	800	H961649/H961610	206.4	358	414	535	597	14.3	12.7	0.94	0.64	0.35	184	
323.85	381	28.575	28.575	20.638	3.6	3.3	219	570	670	900	LL758744/LL758715	64.8	340	338	363	369	3.6	3.3	0.44	1.36	0.75	5.15
325.438	596.9	136.525	136.525	98.425	6.4	6.4	2480	4110	630	850	EE720128/720236	119.6	389	345	520	545	6.4	6.4	0.42	1.42	0.78	158
329.87	533.4	76.2	76.2	50.8	4.7	3.3	1060	1800	630	850	EE971298/972100	78.4	364	383	497	510	4.7	3.3	0.33	1.8	0.99	58.5
330.2	415.925	47.625	47.625	34.925	12.7	3.3	505	1150	630	850	L860048/L860010	83	342	365	394	408	12.7	3.3	0.5	1.2	0.66	14.3
	415.925	47.625	47.625	34.925	3.5	3.3	505	1150	630	850	L860049/L860010	83	342	356	394	408	3.5	3.3	0.5	1.2	0.66	14.6
469.9	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161300/161850	92.7	358	377	441	459	7	6.4	0.5	1.2	0.66	30.1	
482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161300/161900	92.7	358	377	447	464	7	6.4	0.5	1.2	0.66	32.9	
482.6	66.675	63.5	44.45	6.8	6.8	810	1560	630	850	EE203130/203190	84.9	358	377	450	467	6.8	6.8	0.42	1.4	0.79	36.4	
482.6	85.725	80.167	60.325	6.4	3.3	995	1830	630	850	EE526130/526190	88.9	348	370	447	465	6.4	3.3	0.39	1.5	0.85	44.9	
482.6	85.725	80.167	60.325	3.3	3.3	995	1830	630	850	EE526132/526190	88.9	348	367	447	465	3.3	3.3	0.39	1.5	0.85	45	
488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161300/161925	92.7	358	377	451	468	7	6.4	0.5	1.2	0.66	34.3	



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
333.375	469.9	90.488	90.488	71.438	6.4	3.3	1340	2850	630	850	HM261049/HM261010	85	362	365	438	452	6	3	0.33	1.8	1	47
342.9	450.85	66.675	66.675	52.388	8.5	3.5	805	1840	670	900	LM361649/LM361610	75.8	359	379	426	441	8.5	3.5	0.35	1.7	0.94	27.2
	457.098	66.675	63.5	46.038	3.2	3.2	729	1670	670	900	LM961548LM961510	122.3	365	356	421	443	3.2	3.2	0.71	0.84	0.46	28.2
	457.098	68.262	63.5	47.625	3.3	3.3	705	1640	670	900	LM961548/LM961511		363	367	423	443	3.3	3.3	0.71	0.84	0.46	30
	533.4	76.2	76.2	50.8	4.7	3.3	1060	1800	670	900	EE971354/972100	78.4	371	390	497	510	4.7	3.3	0.33	1.8	0.99	54.4
346.075	469.9	60.325	55.562	38.1	7	6.4	710	1420	670	900	EE161363/161850	92.7	366	385	441	459	7	6.4	0.5	1.2	0.66	26.4
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161363/161900	92.7	366	385	447	464	7	6.4	0.5	1.2	0.6	29.2
	482.6	66.675	63.5	44.45	6.8	6.8	810	1560	630	850	EE203136/203190	84.9	366	385	450	467	6.8	6.8	0.42	1.4	0.79	32.2
	482.6	66.675	63.5	44.45	12.7	6.8	810	1560	630	850	EE203137/203190	84.9	366	391	450	467	12.7	6.8	0.42	1.4	0.79	32
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161363/161925	92.7	366	385	451	468	7	6.4	0.5	1.2	0.66	30.7
	488.95	95.25	95.25	74.613	6.4	3.2	1350	2900	630	850	HM262748/HM262710	88.5	381	366	450	467	6.4	3.2	0.33	1.79	0.99	53.3
	488.95	95.25	95.25	74.612	6.4	3.3	1250	2600	630	850	HM262749/HM262710	87.8	364	386	457	475	6.4	3.3	0.33	1.8	0.99	52.9
349.25	501.65	90.488	84.138	69.85	6.4	3.3	1320	2720	630	850	EE333137/333197	95	371	394	470	488	6.4	3.3	0.37	1.6	0.9	55.8
354.012	469.9	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161394/161850	92.7	370	389	441	459	7	6.4	0.5	1.2	0.66	24.5
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161394/161900	92.7	370	389	447	464	7	6.4	0.5	1.2	0.66	27.3
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161394/161925	92.7	370	389	451	468	7	6.4	0.5	1.2	0.66	28.8
355.6	444.5	60.325	60.325	47.625	3.5	3.3	660	1660	630	850	L163149/L163110	67.9	369	381	423	435	3.5	3.3	0.31	2	1.1	20.6
	469.9	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161400/161850	92.7	370	390	441	459	7	6.4	0.5	1.2	0.66	24.1
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161400/161900	92.7	370	390	447	464	7	6.4	0.5	1.2	0.66	26.9
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	EE161400/161925	92.7	370	390	451	468	7	6.4	0.5	1.2	0.66	28.4
	501.65	74.612	66.675	50.8	6.4	3.3	795	1640	630	850	EE231400/231975	97	382	403	472	489	6.4	3.3	0.44	1.4	0.75	40.5
	501.65	90.488	84.138	69.85	6.4	3.3	1320	2720	630	850	EE333140/333197	95	374	397	470	488	6.4	3.3	0.37	1.6	0.9	53.5



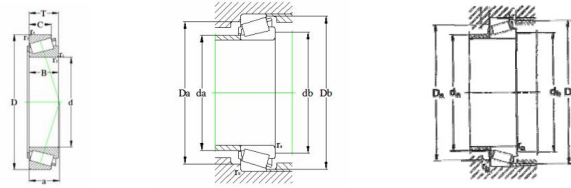
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
514.35	74.612	66.675	50.8	6.4	3.3	795	1640	630	850	EE231400/232025	97	382	403	478	495	6.4	3.3	0.44	1.4	0.75	44.6	
673.1	152.4	152.4	114.3	16	6.4	3400	5490	630	850	EE121140/121265	229.9	436	395	595	620	16	6.4	0.38	1.59	0.88	234	
361.95	406.4	23.812	23.812	17.462	2.3	1.5	173	470	630	850	LL562749/LL562710		371	372	396	401	2.3	1.5	0.4	1.49	0.82	3.56
368.249	523.875	101.6	101.6	79.375	6.4	6.4	1590	3390	600	800	HM265049/HM265010	94	407	388	484	500	6.4	6.4	0.33	1.8	0.99	56.6
368.3	596.9	95.25	92.075	60.325	9.7	6.4	1670	2870	600	800	EE181453/182350	102.6	403	428	549	570	9.7	6.4	0.41	1.5	0.8	92.7
	609.6	142.875	139.7	111.125	8	6.4	2460	4600	600	800	EE321145/321240	118.9	401	431	556	587	8	6.4	0.36	1.7	0.93	154
371.475	501.65	74.612	66.675	50.8	6.4	3.3	795	1640	600	800	EE231462/231975	97	390	411	472	489	6.4	3.3	0.44	1.4	0.75	35.8
	514.35	74.612	66.675	50.8	6.4	3.3	795	1640	600	800	EE231462/232025	97	390	411	478	495	6.4	3.3	0.44	1.4	0.75	39.8
374.65	431.8	28.575	28.575	20.638	3.6	3.2	222	622	600	800	LL264648/LL264610	56.9	393	389	415	419	3.6	3.2	0.33	1.8	0.99	6.02
	522.288	85.725	84.138	61.912	6.4	3.3	1210	2550	600	800	LM565943/LM565910	92.9	393	417	490	508	6.4	3.3	0.39	1.6	0.86	51.3
377.825	508	63.5	58.738	38.1	6.4	3.3	725	1490	600	800	EE192148/192200	103.9	397	418	480	495	6.4	3.3	0.53	1.1	0.62	31.1
	522.288	85.725	84.138	61.912	6.4	3.3	1210	2550	600	800	LM565946/LM565910	92.9	395	418	490	508	6.4	3.3	0.39	1.6	0.86	50
377.825	523.875	85.725	84.138	61.913	6.4	3.2	1170	2590	600	800	LM565946/LM565912	92.8	414	398	481	497	6.4	3.2	0.38	1.56	0.86	51.9
381	479.425	49.212	47.625	34.925	6.4	3.3	585	1310	600	800	L865547/L865512	92	394	412	456	469	6.4	3.3	0.49	1.2	0.67	18.9
	479.425	49.213	47.625	34.925	12.7	3.2	595	1280	600	800	L865548/L865512	91.4	405	413	454	466	12.7	3.2	0.49	1.23	0.68	18.6
	508	63.5	58.738	38.1	6.4	3.3	725	1490	600	800	EE192150/192200	103.9	399	420	480	495	6.4	3.3	0.53	1.1	0.62	30.3
	522.288	85.725	84.138	61.912	6.4	3.3	1210	2550	600	800	LM565949/LM565910	92.9	396	420	490	508	6.4	3.3	0.39	1.6	0.86	48.8
	523.875	85.725	84.138	61.913	6.4	3.2	1170	2590	600	800	LM565949/LM565912	92.8	414	401	481	497	6.4	3.2	0.38	1.56	0.86	50.7
	546.1	104.775	104.775	82.55	6.4	6.4	1900	4210	600	800	HM266446/HM266410	97.6	421	401	505	515	6.4	6.4	0.33	1.8	0.99	79.5
	546.1	104.775	104.775	82.55	6.4	6.4	1840	4000	600	800	HM266447/HM266410	97.5	405	428	508	531	6.4	6.4	0.33	1.8	0.99	78.3
	590.55	114.3	114.3	88.9	6.4	6.4	1980	4470	600	800	M268730/M268710	103.7	459	401	545	560	6.4	6.4	0.33	1.8	0.99	116
384.175	441.325	28.575	28.575	20.638	3.5	3.3	247	655	560	750	LL365348/LL365310	59.2	394	402	427	435	3.5	3.3	0.34	1.8	0.97	6.33



Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
441.325	28.575	31.75	20.638	3.6	3.2	236	612	560	750	LL365347/LL365310	58.6	398	398	424	428	3.6	3.2	0.34	1.76	0.97	5.66	
546.1	104.775	104.775	82.55	6.4	6.4	1900	4210	560	750	HM266448/HM266410	97.6	421	404	505	515	6.4	6.4	0.33	1.8	0.99	78	
546.1	104.775	104.775	82.55	6.4	6.4	1840	4000	560	750	HM266449/HM266410	97.5	407	429	508	531	6.4	6.4	0.33	1.8	0.99	76.7	
385.762	514.35	82.55	82.55	63.5	6.4	3.3	1180	2610	560	750	LM665949/LM665910	99	401	424	485	504	6.4	3.3	0.42	1.4	0.79	45.2
387.248	546.1	87.313	87.313	66.675	6.4	6.4	1330	2870	560	750	M667935/M667910	105.1	438	407	510	525	6.4	6.4	0.42	1.44	0.79	61.6
	546.1	87.312	87.312	68.262	6.4	6.4	1390	3150	560	750	M667935/M667911G2		414	424	510	528	6.4	6.4	0.42	1.43	0.79	56.6
393.7	546.1	76.2	61.12	55.562	6.4	6.4	815	1650	600	800	EE234154/234215	112.9	417	438	507	529	6.4	6.4	0.48	1.3	0.69	44.8
	558.8	65.088	61.119	44.45	6.4	6.4	815	1650	600	800	EE234154/234220	101.8	417	438	516	536	6.4	6.4	0.48	1.3	0.69	44.3
396.875	546.1	76.2	61.12	55.562	6.4	6.4	815	1650	600	800	EE234156/234215	112.9	419	439	507	529	6.4	6.4	0.48	1.3	0.69	43.9
	549.275	85.725	84.138	61.912	6.4	3.3	1260	2720	600	800	LM567943/LM567910	101.1	420	442	517	535	6.4	3.3	0.41	1.5	0.81	57.1
396.875	558.8	65.088	61.12	44.45	6.4	6.4	815	1650	600	800	EE234156/234220	101.8	419	439	516	536	6.4	6.4	0.48	1.3	0.69	43.4
403.225	460.375	28.575	28.575	20.638	3.5	3.3	246	765	600	800	LL566848/LL566810	70	417	420	443	448	3	3	0.4	1.5	0.8	6.7
406.4	508	61.912	61.912	47.625	3.3	3.3	800	1960	560	750	L467549/L467510	83.3	420	435	484	498	3.3	3.3	0.37	1.6	0.9	27.6
	546.1	76.2	61.12	55.562	6.4	6.4	815	1650	560	750	EE234160/234215	112.9	424	444	507	529	6.4	6.4	0.48	1.3	0.69	44.3
	546.1	87.313	87.313	68.263	6.4	6.4	1330	2870	560	750	M667944/M667911	105.1	438	427	510	525	6.4	6.4	0.42	1.44	0.79	53.7
	549.275	85.725	84.138	61.912	6.4	3.3	1260	2720	530	700	LM567949/LM567910	101.1	425	447	517	535	6.4	3.3	0.41	1.5	0.81	53.2
	558.8	65.088	61.12	44.45	6.4	6.4	815	1650	530	700	EE234160/234220	101.8	424	444	516	536	6.4	6.4	0.48	1.3	0.69	43.8
	574.675	76.2	67.866	50.8	6.8	3.3	920	1850	530	700	EE285160/285226	114	429	453	534	552	6.8	3.3	0.5	1.2	0.66	53.2
	590.55	107.95	107.95	80.963	9.5	6.4	1780	3540	530	700	EE833160X/833232	100	453	433	545	560	9.5	6.4	0.32	1.85	1.02	89.7
	609.524	82.55	79.375	60.325	7.9	6.4	1520	3030	530	700	EE736160/736238	95.9	476	430	565	570	7.9	6.4	0.35	1.73	0.95	76.2
	609.6	92.075	84.138	60.325	6.7	6.4	1430	2640	530	700	EE911600/912400	105.6	466	428	555	570	6.7	6.4	0.38	1.57	0.86	80.1
	673.1	88.9	87.833	60.325	6.4	3.3	1750	3100	530	700	EE571602/572650	110	457	479	629	647	6.4	3.3	0.4	1.5	0.83	119

Single-row taper roller bearings (Inch series)

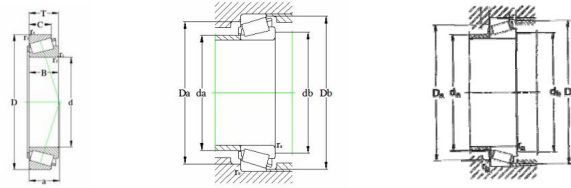
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Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
762	180.975	161.925	107.95	12.7	12.7	3690	6100	380	500	H969249/H969210	250	467	446	723	723	12	12	0.94	0.64	0.35	320	
409.575	546.1	87.313	87.312	68.263	6.4	6.4	1330	2870	380	500	M667947/M667911	105.1	438	430	510	525	6.4	6.4	0.42	1.44	0.79	52.4
	546.1	87.312	87.312	68.262	6.4	6.4	1350	3050	380	500	M667948/M667911		431	440	510	528	6.4	6.4	0.42	1.43	0.79	49.8
	546.1	87.313	87.313	66.675	6.4	6.4	1330	2870	380	500	M667948/M667910	105.1	438	430	510	525	6.4	6.4	0.42	1.44	0.79	52.2
574.675	76.2	67.866	50.8	6.8	3.3	920	1850	380	500	EE285162/285226	114	431	455	534	552	6.8	3.3	0.5	1.2	0.66	52.1	
411.162	609.6	92.075	84.138	60.325	6.8	6.4	1470	2750	500	670	EE911618/912400	103.9	440	461	566	586	6.8	6.4	0.38	1.6	0.86	80.7
415.925	590.55	114.3	114.3	88.9	6.4	6.4	1860	4250	500	670	M268749/M268710	105	459	437	545	560	6.4	6.4	0.34	1.8	1	94.5
	590.55	114.3	114.3	88.9	6.4	6.4	2120	4800	500	670	M268749/M268710	104	453	448	560	563	6	6	0.33	1.8	1	120
425.45	685.698	142.875	142.8	104.775	12.7	6.4	3050	5700	500	670	EE328167/328269	135.1	462	497	630	661	12.7	6.4	0.4	1.5	0.83	193
430.212	603.25	76.2	73.025	50.8	6.4	6.4	1240	2250	500	670	EE241693/242375	122.1	457	479	564	585	6.4	6.4	0.52	1.1	0.63	62
431.8	533.4	46.038	46.038	34.925	3.3	3.3	580	1380	500	670	EE80385/80325	69.3	447	458	511	521	3.3	3.3	0.31	2	1.1	20.8
	552.45	44.45	44.45	31.75	3.3	3.3	610	1480	500	670	80170/80217	71	456	467	530	538	3.3	3.3	0.32	1.9	1	25.8
571.5	73.025	73.025	53.975	3.2	3.2	980	2150	500	670	EE239170/239225	96.5	469	446	535	540	3.2	3.2	0.38	1.57	0.86	45.6	
	565.15	44.45	44.45	31.75	3.3	3.3	610	1480	500	670	80170/80222	71	456	467	536	545	3.3	3.3	0.32	1.9	1	28.6
	571.5	74.612	74.612	52.388	3.3	3.3	1080	2350	500	670	LM869448/LM869410	122.6	448	471	539	560	3.3	3.3	0.55	1.1	0.6	47.9
571.5	76.2	73.025	57.15	3.2	3.2	980	2150	500	670	EE239170/239225A	99.7	469	446	535	540	3.2	3.2	0.38	1.57	0.86	46.8	
	571.5	89.694	89.77	66.75	6.4	6.4	1450	3450	500	670	BT1B328284/HA1	111	460	464	540	550	6	6	0.44	1.35	0.8	60
603.25	76.2	73.025	50.8	6.4	6.4	1240	2500	480	600	EE241701/242375	122.1	458	480	564	585	6.4	6.4	0.52	1.1	0.63	61.4	
	673.1	88.9	87.833	60.325	6.4	3.3	1750	3100	480	600	EE571703/572650	110	469	491	629	647	6.4	3.3	0.4	1.5	0.83	108
441.325	660.4	91.28	85.725	62.705	10.4	6.4	1350	2630	480	600	EE737173/737260	109.5	510	470	600	610	10.4	6.4	0.37	1.6	0.88	95.5
444.5	635	120.65	120.65	95.25	6.4	6.4	2290	5250	480	600	M270744/M270710	113.8	495	465	585	600	6.4	6.4	0.33	1.8	0.99	120

Single-row taper roller bearings (Inch series)

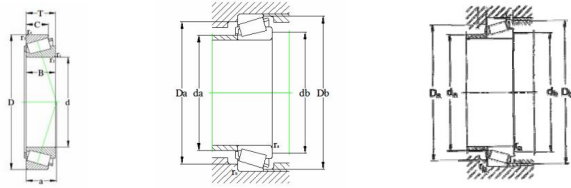
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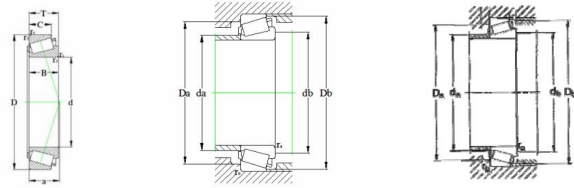
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
447.675	552.45	44.45	44.45	31.75	3.3	3.3	610	1480	480	600	80176/80217	71	464	475	530	538	3.3	3.3	0.32	1.9	1	22
	565.15	44.45	44.45	31.75	3.3	3.3	610	1480	480	600	80176/80222	71	464	475	536	545	3.3	3.3	0.32	1.9	1	24.8
	635	120.65	120.65	95.25	6.4	6.4	1900	4350	450	600	M270749/M270710	114.6	474	502	591	617	6.4	6.4	0.33	1.8	0.99	117
450.85	603.25	85.725	84.138	60.325	6.4	3.3	1310	2900	450	600	LM770945/LM770910	115.9	471	496	570	590	6.4	3.3	0.45	1.3	0.73	62.5
456.692	660.4	92.075	91.262	63.5	6.4	6.4	1350	2630	450	600	EE737179X/737262	110.3	510	478	600	610	6.4	6.4	0.37	1.6	0.88	90.5
456.794	761.873	142.875	142.875	101.6	16	6.4	3240	5610	450	600	EE425179A/425299	154.5	530	497	685	710	16	6.4	0.44	1.35	0.74	242
457.073	573.088	74.613	74.612	57.15	6.4	6.4	1100	2930	450	600	L570648/L570610	100.4	484	478	540	550	6.4	6.4	0.4	1.49	0.82	42.8
457.2	552.45	44.45	44.45	31.75	3.3	3.3	615	1340	450	600	80180/80217		471	474	531	536	3.3	3.3	0.32	1.88	1.04	18.7
	573.088	74.612	74.612	57.15	6.4	6.4	1020	2610	500	670	L570649/L570610	101.2	472	493	542	562	6.4	6.4	0.4	1.5	0.83	42
	596.9	76.2	73.025	53.975	9.5	3.3	1040	2360	500	670	EE244180/244235	102	475	500	565	580	9.5	3.3	0.4	1.5	0.82	49.9
	603.25	85.725	84.138	60.325	6.4	3.3	1310	2900	480	630	LM770949/LM770910	115.9	474	499	570	590	6.4	3.3	0.45	1.3	0.73	59.5
	615.95	85.725	85.725	66.675	6.4	6.4	1470	3800	450	600	LM272235/LM272210	98	512	489	584	596	6	6	0.33	1.8	1	72
	660.4	91.28	85.725	62.705	10.4	6.4	1550	2780	450	600	EE737181/737260	106.9	479	507	615	636	10.4	6.4	0.37	1.6	0.88	86.2
	660.4	92.075	85.725	63.5	10.4	6.4	1350	2630	450	600	EE737181/737262	110.3	510	486	600	610	10.4	6.4	0.37	1.6	0.88	88.5
730.148	120.65	114.3	82.55	9.5	6.4	2420	4120	450	600	EE671801/672873	128.9	520	484	660	680	9.5	6.4	0.39	1.53	0.84	163	
476.25	565.15	41.275	41.275	31.75	3.3	3.3	535	1340	450	600	LL771948/LL771911	100.2	489	502	545	557	3.3	3.3	0.47	1.3	0.7	18.2
479.425	679.45	128.588	128.588	101.6	6.4	6.4	2800	6400	450	600	M272749/M272710	121.1	504	535	635	663	6.4	6.4	0.34	1.8	0.97	148
482.6	615.95	53.975	46.038	41.275	3.3	3.3	780	1700	450	600	80480/80425	90	503	516	588	600	3.3	3.3	0.35	1.7	0.95	35.2
	615.95	85.725	85.725	66.675	6.4	6.4	1390	3450	450	600	LM272249/LM272210	106.1	501	522	582	604	6.4	6.4	0.37	1.6	0.88	59.8
	634.873	80.962	80.962	63.5	6.4	3.3	1340	3300	450	600	EE243190/243250	99.1	508	530	606	622	6.4	3.3	0.34	1.8	0.97	67.6
488.671	660.4	93.662	94.458	69.85	6.4	6.4	1700	3800	450	600	EE640191/640260	98.2	511	535	624	643	6.4	6.4	0.31	2	1.1	87.7

Single-row taper roller bearings (Inch series)

WNBZ



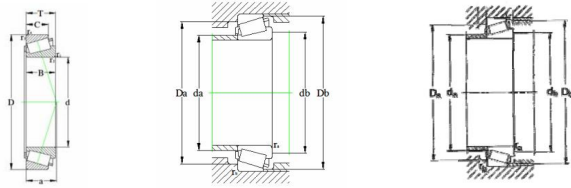
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
488.95	634.873	84.138	84.138	61.912	6.4	3.3	1370	3200	450	600	LM772748/LM772710	124.7	508	532	602	623	6.4	3.3	0.47	1.3	0.7	63.9
	660.4	93.662	94.458	69.85	6.4	6.4	1700	3800	450	600	EE640192/640260	98.2	511	535	624	643	6.4	6.4	0.31	2	1.1	87.6
489.026	634.873	80.962	80.962	63.5	6.4	3.3	1340	3300	450	600	EE243192/243250	99.1	512	533	606	622	6.4	3.3	0.34	1.8	0.97	64.5
498.323	634.873	80.963	80.962	63.5	6.4	3.2	1320	3290	450	600	EE243197/243250	100	530	520	595	605	6.4	3.2	0.34	1.75	0.96	58.7
498.399	634.873	80.962	80.962	63.5	6.4	3.3	1470	3650	450	600	EE243196AX/243250	100	522	530	616	610	6	3	0.35	1.7	0.9	60
498.475	634.873	80.962	80.962	63.5	6.4	3.3	1340	3300	450	600	EE243196/243250	99.1	516	538	606	622	6.4	3.3	0.34	1.8	0.97	59.9
498.653	634.873	80.962	80.962	63.5	6.4	3.3	1470	3650	450	600	EE243196AS/243250	100	522	530	616	610	6	3	0.35	1.7	0.9	59.5
501.65	711.2	136.525	136.525	106.363	6.4	6.4	2800	6410	450	600	M274149/M274110	126.8	550	525	655	675	6.4	6.4	0.33	1.8	0.99	164
505.968	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	450	600	EE981992/982900	134.9	547	571	693	712	6.4	3.3	0.48	1.3	0.69	114
508	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	450	600	EE982003/982900	134.9	548	572	693	712	6.4	3.3	0.48	1.3	0.69	113
	838.2	146.03	139.7	104.775	9.5	9.5	3320	5860	400	530	EE426200/426330	170.6	590	540	755	780	9.5	9.5	0.48	1.26	0.69	
514.35	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	400	530	EE982028/982900	134.9	551	576	693	712	6.4	3.3	0.48	1.3	0.69	109
520.7	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	400	530	EE982051/982900	134.9	554	579	693	712	6.4	3.3	0.48	1.3	0.69	106
533.4	635	50.8	50.8	38.1	6.4	6.4	705	1800	400	530	LL575343/LL575310	101.4	549	566	610	626	6.4	6.4	0.4	1.5	0.82	28.2
	784.225	88.9	82.55	53.975	6.4	6.4	1750	3500	380	500	EE522102/523087	139.5	573	596	730	752	6.4	6.4	0.48	1.3	0.69	129
536.575	761.873	146.05	146.05	114.3	6.4	6.4	3360	8000	380	500	M276449/M276410	134	582	564	726	735	6	6	0.33	1.8	1	208
539.75	635	50.8	50.8	38.1	6.4	6.4	705	1800	430	560	LL575349/LL575310	101.4	552	569	610	626	6.4	6.4	0.4	1.5	0.82	26.1
546.1	736.6	76.2	76.2	50.8	6.4	6.4	1280	2590	400	530	EE542215/542290	142.2	574	598	695	715	6.4	6.4	0.51	1.2	0.65	79.7
549.275	692.15	80.962	80.962	61.912	6.4	6.4	1430	3550	560	750	L476549/L476510	113.1	568	591	658	679	6.4	6.4	0.38	1.6	0.88	67.4



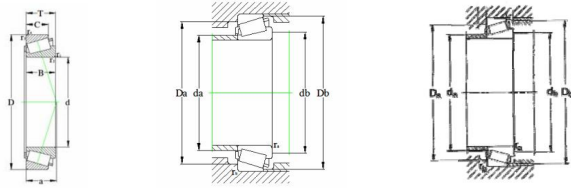
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
558.8	736.6	76.2	76.2	50.8	6.4	6.4	1280	2590	380	500	EE542220/542290	142.2	581	604	695	715	6.4	6.4	0.51	1.2	0.65	73.2
	736.6	88.108	88.108	63.5	6.4	6.4	1750	3900	380	500	EE843220/843290	111.3	585	606	699	718	6.4	6.4	0.34	1.8	0.97	93.7
	736.6	104.775	104.775	80.963	6.4	6.4	2090	4940	380	500	LM377448/LM377410	120.3	600	580	690	705	6.4	6.4	0.35	1.73	0.95	114
	736.6	104.775	104.775	80.962	6.4	6.4	2300	5600	380	500	LM377449/LM377410	120.7	581	607	696	720	6.4	6.4	0.35	1.7	0.95	118
571.5	812.8	155.575	155.575	120.65	6.4	6.4	4000	9300	370	470	M278749/M278710	143.6	601	634	759	790	6.4	6.4	0.33	1.8	0.99	256
571.6	812.8	155.575	158.75	120.65	6.4	6.4	3790	8760	370	470	M278749/M278710	143.2	630	595	750	775	6.4	6.4	0.33	1.8	0.99	254
584.2	685.8	49.212	49.212	34.925	3.5	3.3	735	1970	370	470	LL778149/LL778110	114.3	599	613	663	675	3.5	3.3	0.44	1.4	0.75	29.6
	901.7	150.02	139.7	107.95	7.9	9.5	3900	7360	360	460	EE662303/663550	152.6	670	610	830	840	7.9	9.5	0.33	1.81	1	319
596.9	685.8	31.75	31.75	25.4	3.5	3.3	380	995	340	450	680235/680270	124.9	610	621	664	675	3.5	3.3	0.52	1.1	0.63	17.4
602.945	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	EE649237/649310	129.2	629	655	749	771	6.4	6.4	0.37	1.6	0.89	115
607.72	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	EE649239/649310	129.2	631	658	749	771	6.4	6.4	0.37	1.6	0.89	111
609.345	787.4	93.663	93.662	69.85	6.4	6.4	1980	4970	340	450	EE649238/649310	126.9	650	635	740	750	6.4	6.4	0.37	1.61	0.89	112
609.397	762	95.25	92.075	71.438	6.4	6.4	1700	4510	340	450	L879946/L879910	153	640	635	720	740	6.4	6.4	0.49	1.23	0.67	91.4
609.6	762	95.25	92.075	71.438	6.4	6.4	1780	4700	340	450	L879947/L879910	152.9	627	656	722	750	6.4	6.4	0.49	1.2	0.68	93.3
	774.7	85.725	79.375	60.32	6.4	6.4	1780	4250	340	450	L580049/L580010	130.5	634	654	737	755	6.4	6.4	0.4	1.5	0.82	90.1
	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	EE649240/649310	129.2	632	659	749	771	6.4	6.4	0.37	1.6	0.89	110
	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	EE649240AX/649310	125	643	637	760	755	6	6	0.37	1.6	0.9	110
	812.8	82.55	82.55	60.325	6.4	6.4	1910	4290	340	450	EE743240/743320	112.7	660	635	755	765	6.4	6.4	0.33	1.83	1.01	112
635	736.6	57.15	53.975	41.275	3.3	3.3	870	2500	340	450	80780/80720	125	648	664	712	726	3.3	3.3	0.44	1.4	0.75	36.6
653.928	933.45	179.388	177.8	141.288	12	6.4	5040	11500	320	430	M281635/M281610	167.7	720	690	870	890	12	6.4	0.33	1.8	0.99	384

Single-row taper roller bearings (Inch series)

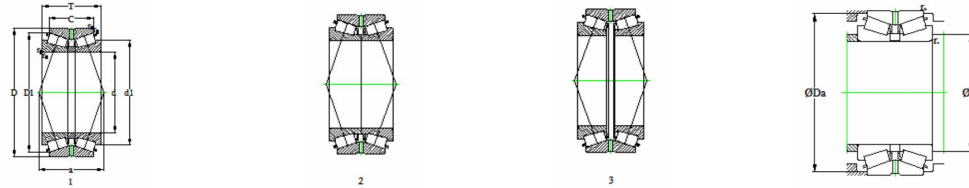
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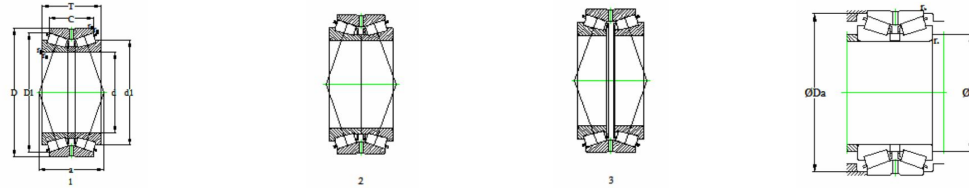
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
660.235	812.8	95.25	95.25	73.025	6.4	6.4	2000	5270	320	430	L281146/L281110	123.8	695	685	775	790	6.4	6.4	0.33	1.8	0.99	100
660.4	812.8	95.25	95.25	73.025	6.4	6.4	2000	5270	320	430	L281147/L281110	123.8	695	685	775	790	6.4	6.4	0.33	1.8	0.99	100
	812.8	95.25	95.25	73.025	6.4	6.4	2200	5900	320	430	L281148/L281110	123.1	678	701	778	799	6.4	6.4	0.33	1.8	0.99	105
	854.075	85.725	85.468	60.325	9.7	6.4	2000	4650	320	430	EE749260/749336	124.5	690	712	813	831	9.7	6.4	0.35	1.7	0.94	119
673.1	793.75	66.675	61.912	49.212	6.4	6.4	995	2660	320	430	LL481448/LL481411	119.7	691	708	764	781	6.4	6.4	0.36	1.7	0.92	52
679.45	901.7	142.875	142.875	111.125	9.7	6.4	3580	9000	280	380	LM281849/LM281810	149	728	730	870	867	9	6	0.33	1.8	1	242
685.8	876.3	93.662	92.075	69.85	6.4	6.4	2160	5550	300	400	EE655270/655345	149.9	712	737	832	857	6.4	6.4	0.42	1.4	0.79	134
711.2	914.4	85.725	82.55	60.325	6.4	6.4	1870	4800	280	380	EE755280/755360	140.5	746	767	870	891	6.4	6.4	0.38	1.6	0.87	136
719.854	914.4	84.138	80.963	60.325	4.8	6.4	1760	4470	280	380	EE755282/755360	139.3	780	740	870	870	4.8	6.4	0.38	1.58	0.87	123
723.9	914.4	84.138	80.962	60.325	3.3	6.4	1870	4800	280	380	EE755285/755360	140.5	752	770	870	891	3.3	6.4	0.38	1.6	0.87	126
736.6	825.5	31.75	31.75	25.4	3.5	3.3	429	1370	300	400	LL582949/LL582910B	119	767	754	804	809	3	3	0.4	1.5	0.8	22.5
	825.5	31.75	31.75	25.4	3.6	3.2	497	1550	300	400	LL582949/LL582910	117	760	755	800	800	3.6	3.2	0.4	1.51	0.83	21.3
749.3	965.2	93.663	80.963	66.675	6.4	3.2	1830	4790	280	380	EE752295/752380	159.7	820	775	910	920	6.4	3.2	0.4	1.49	0.82	152
	990.6	159.5	160.338	123	6.4	6.4	4400	11700	280	380	LM283649/LM283610	165.2	782	815	938	969	6.4	6.4	0.33	1.8	0.99	329
758.825	901.7	66.675	65.088	46.038	6.4	6.4	1410	3790	280	380	LL783647/LL783610	149.9	790	785	870	870	6.4	6.4	0.44	1.36	0.75	71.2
759.925	889	69.85	69.85	50.8	3.3	3.3	1230	3800	280	380	LL483448/33483418	132	785	782	867	858	3	3	0.37	1.6	0.9	67.5
	889	88.9	88.9	72	3.3	3.3	1940	6200	260	360	L183448/L183410	123	785	782	867	872	3	3	0.3	2	1.1	94
762	889	63.5	63.5	50.8	3.3	3.3	1160	3450	280	380	EE175301/175350	131.4	780	797	861	876	3.3	3.3	0.38	1.6	0.87	64.4
	889	69.85	69.85	50.8	3.2	3.2	1290	3920	280	380	EE175300/175350	132.3	790	780	860	860	3.2	3.2	0.38	1.58	0.87	69



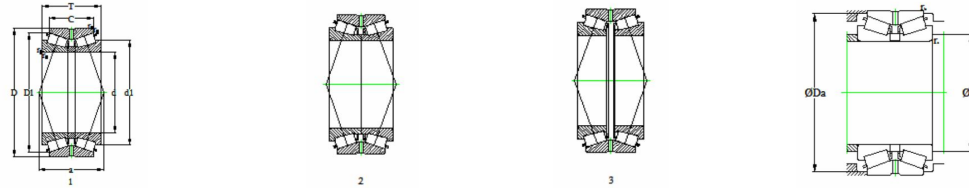
Boundary Dimensions (mm)							Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation	Load center spacings	Abutment and Fillet Dimensions (mm)						Calculation Factors			Mass (kg)
d	D	T	B	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New		d _{b min}	d _{a max}	D _{a max}	D _{b min}	r _{a max}	r _{b max}	e	y	y _o	Refer.
889	69.85	69.85	50.8	3.3	3.3	1160	3450	280	380	LL483449/LL483418	133.8	780	797	861	875	3.3	3.3	0.38	1.6	0.87	68.1	
889	88.9	88.9	72	3.3	3.3	1940	6200	260	360	L183449/L183410	123	785	784	867	872	3	3	0.3	2	1.1	92.5	
901.7	66.675	65.088	46.038	6.4	6.4	1410	3790	260	360	LL783649/LL783610	149.9	790	785	870	870	6.4	6.4	0.44	1.36	0.75	69.3	
965.2	93.662	80.962	66.675	6.4	3.3	2100	5200	260	360	EE752300/752380	158.8	793	815	926	943	6.4	3.3	0.4	1.5	0.83	147	
774.7	965.2	93.663	80.962	66.675	6.4	3.2	1830	4790	240	340	EE752306/752380	159.7	820	800	910	920	6.4	3.2	0.4	1.49	0.82	133
	965.2	93.662	80.962	66.675	6.4	3.3	2100	5200	240	340	EE752305/752380	158.8	800	822	926	943	6.4	3.3	0.4	1.5	0.83	137
857.25	1092.2	120.65	111.125	76.2	19	6.4	2810	7350	200	300	EE157337/157430	228	912	912	1062	1047	18	6	0.57	1.05	0.6	245
889	1123.95	120.65	111.125	76.2	19	6.4	2860	6850	200	300	EE158350/158442	199	940	940	1070	1080	19	6.4	0.45	1.34	0.73	237
977.9	1130.3	66.675	63.5	47.625	6.4	6.4	1460	4350	180	260	LL687949/LL687910	182.9	1002	1019	1095	1112	6.4	6.4	0.43	1.4	0.76	101
1016	1270	101.6	101.6	66.675	9.7	9.7	2750	7500	229		EE168400/168500		1087	1054	1232	1214	9	9	0.5	1.2	0.7	275
1066.8	1219.2	65.088	65.088	42.862	3.3	3.3	1520	4750	209		LL788349/LL788310		1090	1106	1187	1202	3.3	3.3	0.47	1.3	0.7	108
	1320.8	95.25	88.9	69.85	6.4	6.4	2660	7140	170.5		EE776420/776520		1140	1090	1260	1280	6.4	6.4	0.57	1.05	0.58	270
1092.2	1320.8	95.25	88.9	69.85	6.4	6.4	2730	7650	270.7		EE776430/776520		1128	1153	1269	1301	6.4	6.4	0.57	1.1	0.58	249
1155.7	1435.1	120.65	120.65	95.25	6.4	6.4	4150	12000	207.3		EE277455/277565		1199	1227	1377	1403	6.4	6.4	0.36	1.7	0.92	431
1270	1435.1	69.85	65.088	47.625	6.4	6.4	1630	5550	285.4		LL889049/LL889010		1294	1315	1392	1413	6.4	6.4	0.57	1.1	0.58	144



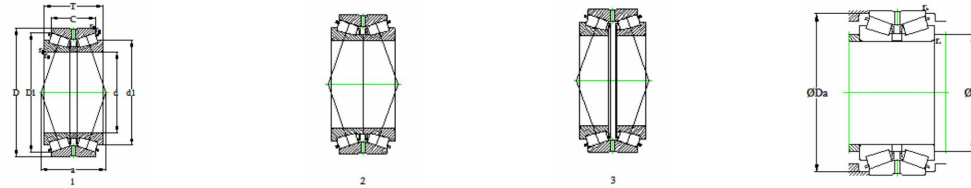
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
100	140	60	50	0.6	0.3	201	410	1800	2300	100TDO140-1		1	111	136	0.6	0.3	0.33	2	3.1	2	2.6
	150	46	37	2.5	0.6	180	293	1800	2300	100TDO150-1		1	110	141.5	2	0.6	0.35	1.95	2.9	1.91	2.53
	150	55	39.05	2.5	0.8	209	337	1800	2300	100TDO150-2		1	110	141.5	2	0.8	0.65	1.1	1.51		3
	150	76.2	61.976	3.5	0.6	282	513	1800	2300	100TDO150-3		1	110	141.5	2	0.6	0.4	1.7	2.5	1.6	4.25
	165	52	46	2.5	0.6	222	340	1700	2200	100TD165-1		1	115	156	2	0.6	0.33	2	3	2	4.04
	165	65	52	2.5	0.6	295	480	1700	2200	100TD165-2		1	118	158	2	0.6	0.39	1.7	2.6	1.7	5
	170	92	70	3	0.6	385	698	1700	2200	100TDO170-1		1	114	156.5	2	0.6	0.47	1.43	2.14	1.4	7.83
	180	83	67	3	1	395	570	1600	2200		97820	1	118	170	2.5	1	0.42	1.6	2.4	1.6	8.11
	180	105	85	3	1	490	765	1600	2200	100TDO180-1		1	121	172	2.5	1	0.42	1.6	2.4	1.6	10.3
	180	111	92	3	0.8	610	1080	1700	2200		97520EK	1	121	172	2.5	0.8	0.42	1.6	2.4	1.6	11.6
	180	140	115	2.5	1	585	1090	1700	2200	100TDO140-1		1	112	168.5	2	1	0.33	2.1	3.1	2	13.8
	190	125	100	3	1.3	580	1100	1500	2000		37720	2	114	179.5	2.5	1	0.33	2	3	2	14.9
	200	116	80	4	1.5	540	850	1500	2000	100TDO200-1		1	131	186	3	1.5	0.63	1.1	1.6	1	15.1
	215	112	87	4	1	700	995	1500	2000	100TDO215-1		1	130	204	3	1	0.35	1.9	2.9	1.9	18.4
	215	115	74	3	1	510	680	1500	2000	100TDO215-2		1	114	202	2.5	1	0.81	0.8	1.2	0.8	18.2
	215	143	118	3	1.5	975	1620	1500	2000	100TDO215-3		1	132	206	2.5	1.5	0.33	2.1	3.1	2	24.6
	215	162	127	4	1	980	1540	1400	1900	100TDO215-4		1	118	200	3	1	0.35	1.96	2.91	1.91	26.5
	304.8	184.16	127	SP	SP	1190	1630	1300	1800	100TDO304-1A		1	117	285	4	2	0.8	0.85	1.26	0.83	70
	105	190	88	70	3	435	635	1500	2000	105TD190-1		1	123	181	2.5	1	0.42	1.6	2.4	1.6	9.21
	190	117	96	3	1	580	920	1500	2000		97521EK	1	128	183	2.5	1	0.42	1.6	2.4	1.6	12.7
	225	170	133	3	1	1090	1730	1500	2000	105TDO225-1		1	123	209	3	1	0.35	1.96	2.9	1.91	30.9
	240	110	75	3	1	585	790	1500	2000	105TDO240-1		1	119	227.5	2.5	1	0.81	0.8	1.2	0.8	23.6
	110	150	80	60	0.6	210	450	1500	2000	110TDO1501		1	121	147	0.6	0.3	0.36	1.9	2.8	1.9	3.6
	160	57.5	47.5	1.5	0.5	218	450	1500	2000	110TDO160-1		1	118.5	146	1.5	0.5	0.36	1.9	2.8	1.9	3.41



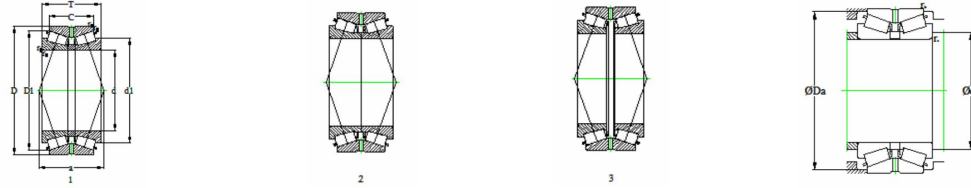
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
170	45	40	40	2.5	0.6	175	304	1500	2000	110TDO170-1		1	122	157.2	2	0.6	0.35	1.95	2.9	1.91	3.58
170	70	55	55	2.5	0.6	300	500	1500	2000	110TNA170-1		2	127	165	2	0.6	0.41	1.7	2.5	1.6	5
180	56	50	50	2.5	0.6	264	400	1500	2000	110TDO180-1		1	125	172	2	0.6	0.39	1.7	2.6	1.7	5.11
180	70	56	56	2.5	0.6	340	555	1500	2000	110TDO180-2		1	125	172	2	0.6	0.39	1.7	2.6	1.7	6.33
180	94	72	72	2	0.6	401	761	1500	2000	110TDO180-3		1	120	170.2	2	0.6	0.52	1.31	1.95	1.28	8.82
180	95	76	76	2	0.6	450	920	1500	2000	352122	2097722	1	120	170	2	0.6	0.52	1.31	1.95	1.28	9.1
180	125	100	100	2.5	0.6	515	980	1500	2000	110TDO180-4		1	122	168	2	0.6	0.26	2.6	3.8	2.5	11.2
200	124	102	102	3	0.6	620	1200	1500	2000		97522EK	1	128	191	2.5	0.6	0.42	1.61	2.39	1.57	16.5
200	90	72	72	3	1	532	760	1400	1900	110TDO200-1		1	128	191	2.5	1	0.43	1.6	2.3	1.6	11
200	92	74	74	3	1	555	865	1400	1900	110TDO200-2		1	128	193	2.5	1	0.42	1.6	2.4	1.6	10.7
200	120	100	100	3	1	640	1020	1400	1900	110TDO200-3		1	135	194	2.5	1	0.42	1.6	2.4	1.6	14.6
200	121	101	101	3	1	640	1020	1400	1900	110TDO200-4		1	128	194	2.5	1	0.42	1.6	2.4	1.6	14.4
200	125	105	105	3	1	610	965	1400	1900	110TDO200-5		1	134	194	2.5	1	0.42	1.6	2.4	1.6	14.8
220	145	115	115	4	1	820	1350	1400	1900	110TDO2201		1	142	211	3	1	0.37	1.8	2.7	1.8	23.6
240	118	81	81	4	1	580	815	1400	1900	110TDO240-1		1	148	227	3	1	0.81	0.83	1.2	81	21.8
240	118	93	93	4	1	700	955	1400	1900	110TDO240-2		1	143	227	3	1	0.35	1.9	2.9	1.9	22.5
240	119	74	74	3	1	585	790	1400	1900	110TDO240-3		1	124	223.5	2.5	1	0.81	0.8	1.2	0.8	25
240	181	142	142	3	1	1190	1890	1300	1800	110TDO240-4		1	128	222	3	1	0.35	1.96	2.91	1.91	37.3
115	190	106	80	4	1.5	510	925	1400	1900	115TNA190-1		2	137	182	3	1.5	0.42	1.6	2.4	1.6	10.7
210	143	118	118	4	1.5	975	1620	1400	1900	115TNA210-1		2	141	204	3	1.5	0.33	2.1	3.1	2	20
230	116	84	84	3	1.5	645	1060	1400	1900	115TDO230-1		1	151	220	2.5	1.5	0.74	0.92	1.4	0.9	20.7
330	228	124	124	6	1.5	1490	2150	1400	1900	115TDO330-1		1	180	309	5	1.5	1.3	0.51	0.76	0.5	92.6
120	165	68	56	1.5	0.6	236	495	1400	1900	120TDO165-1		1	134	161	1	0.5	0.4	1.7	2.5	1.6	3.9
180	46	41	41	2.5	0.6	184	296	1500	2000	120TDO180-1		1	135	172	2	0.6	0.4	1.7	2.5	1.6	3.75



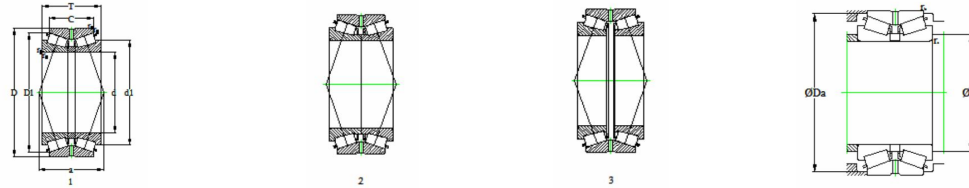
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
180	58	46	46	2.5	0.6	260	450	1500	2000	120TDO180-2		1	135	172	2	0.6	0.39	1.7	2.6	1.7	4.64
180	86	68	68	2.5	0.8	397	788	1500	2000	120TDO180-3		1	135	172	2	0.6	0.46	1.5	2.2	1.4	7.1
200	62	55	55	2.5	0.6	310	500	1400	1800	120TDO200-1		1	135	190	2	0.6	0.39	1.7	2.6	1.7	7.35
200	78	62	62	2.5	0.6	415	690	1400	1900	120TDO200-2		1	135	190	2	0.6	0.39	1.7	2.6	1.7	8.97
200	100	84	84	2.5	0.6	515	885	1400	1900	120TDO200-3		1	142	194	2	0.6	0.37	1.8	2.7	1.8	11.3
200	109	90	90	2.5	0.6	536	1020	1400	1900	120TDO200-4		1	132	182.5	2	0.6	0.43	1.58	2.35	1.55	12.8
200	110	90	90	2	0.6	536	1020	1100	1500	352124	2097724	1	132	182.5	2	0.6	0.3	2.25	3.43	2.2	12.6
215	94	75	75	3	1	540	800	1300	1800	120TDO215-1		1	145	208	2.5	1	0.42	1.6	2.4	1.6	12.6
215	97	78	78	3	1	540	800	1300	1800	120TDO215-1		1	138	207	2.5	1	0.42	1.6	2.4	1.6	12.8
215	132	109	109	3	1	720	1170	1300	1800		97524K	1	138	208	2.5	1	0.42	1.6	2.4	1.6	18.3
215	132	106	106	3	1	720	1170	1300	1800		97524	1	138	208	2.5	1	0.41	1.64	2.44	1.6	19.6
260	86	60	60	4	1	775	1100	1200	1700	120TNA260-1		2	156	246	2.5	1	0.44	1.5	2.3	1.5	27
260	128	101	101	3	1	976	1430	1200	1700	120TDO260-1		1	138	239	3	1	0.35	1.96	2.91	1.91	30.6
260	130	87	87	4	1	730	1060	1200	1700	120TDO260-2		1	159	249	3	1	0.81	0.83	1.2	0.81	28.5
260	140	112	112	4	1	815	1130	1200	1700	120TDO260-3		1	155	246	3	1	0.35	1.9	2.9	1.9	30.4
260	188	145	145	4	1	1400	2270	1200	1700	120TDO260-2		1	138	239	3	1	0.35	1.96	2.91	1.91	47
280	185	155	155	5	1.5	1180	1770	1100	1600	120TDO280-1		1	162	266	3	1.5	0.39	1.7	2.6	1.7	51.6
125	180	85	75	3	0.6	390	885	1100	1600	125TNA180-1		2	143	176	2	0.5	0.31	2.2	3.3	2.2	7
210	110	88	88	4	1	560	1030	1100	1600	125TDO210-1		1	151	202	3	1	0.43	1.6	2.3	1.5	14.5
230	116	84	84	4	1.5	645	1060	1100	1600	125TDO230-1		1	157	220	3	1.5	0.74	0.92	1.4	0.9	19
235	142	114	114	4	1.5	875	1580	1100	1600	125TNA230-1		2	159	226	2.5	1	0.37	1.8	2.7	1.8	25.6
235	145	115	115	4	1.5	875	1580	1100	1600	125TNA230-2		2	159	226	2.5	1	0.37	1.8	2.7	1.8	25.9
128	229	116	74	4	1	560	1010	1100	1600	128TDO229-1		1	162	218	2.5	1	1.1	0.64	0.96	0.63	18.6
130	180	69	55	2	0.6	322	663	1200	1700	130TDO180-1		1	140	174.9	2	0.6	0.33	2.03	3.02	1.98	4.77
180	70	56	56	2	0.6	322	663	1400	1900		2097926	1	140	174.9	2	0.6	0.27	2.49	3.71	2.43	4.87



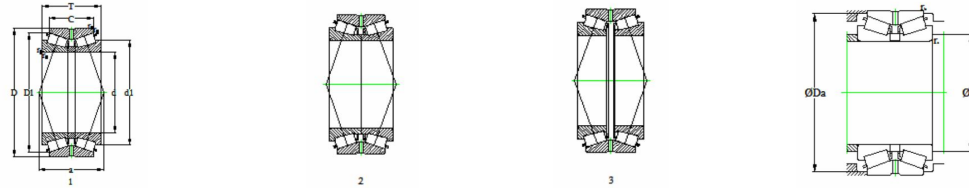
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
200	52	46	46	2.5	0.6	266	445	1300	1800	130TDO200-1		1	145	190	2	0.6	0.39	1.7	2.6	1.7	5.46
200	65	52	52	2.5	0.6	320	540	1300	1800	130TDO200-1		1	145	192	2	0.6	0.39	1.7	2.6	1.7	6.45
200	95	75	75	2.5	0.7	450	880	1300	1800		2097126	1	145	192	2	0.6	0.35	1.94	2.88	1.89	9.72
210	64	57	57	2.5	0.6	340	530	1300	1700	130TDO210-1		1	145	202	2	0.6	0.37	1.8	2.7	1.8	7.78
210	80	64	64	2.5	0.6	455	765	1300	1700	130TDO210-2		1	145	201	2	0.6	0.39	1.7	2.6	1.7	9.6
210	109	90	90	2.5	0.6	550	980	1300	1700	130TDO210-3		1	152	204	2	0.6	0.39	1.7	2.6	1.7	13
210	110	90	90	2.5	0.6	550	980	1300	1700	352126	2097726	1	152	204	2	0.6	0.39	1.7	2.6	1.7	13
214	115	98	98	3	1	625	1140	1300	1700	130TDO214-1		1	154	207	2.5	1	0.35	1.9	2.9	1.9	15
214	115.6	98	98	3	1	625	1140	1300	1700		97826U	1	154	207	2.5	1	0.35	1.9	2.9	1.9	15
230	95	75	75	3	1	560	840	1200	1600	130TDO230-1		1	144	215.5	2.5	1	0.43	1.6	2.3	1.5	15
230	98	78.5	78.5	4	1	570	870	1200	1600	130TDO230-2		1	151	221	3	1	0.39	1.7	2.6	1.7	15
230	100	80.5	80.5	4	1	570	870	1200	1600	130TDO230-3		1	158	222	3	1	0.39	1.7	2.6	1.7	15
230	142	114.5	114.5	4	1	850	1480	1200	1600	130TDO230-4		1	158	222	3	1	0.39	1.7	2.6	1.7	22.7
230	145	115	115	4	1	850	1480	1200	1600	130TDO230-5		1	158	222	3	1	0.39	1.7	2.6	1.7	23.4
230	145	117.5	117.5	4	1	850	1480	1200	1600	130TDO230-6		1	151	221	3	1	0.39	1.7	2.6	1.7	23
230	146	118.5	118.5	4	1.5	904	1615	1200	1600	130TDO230-7		1	151	221	3	1	0.43	1.6	2.3	1.6	23.5
230	149	120	120	3	1	905	1630	1300	1700		97526EK	1	144	220	2.5	1	0.44	1.6	2.3	1.5	23.6
230	150	120	120	4	1	850	1480	1300	1700	130TDO230-8		1	158	222	3	1	0.39	1.7	2.6	1.7	23.6
235	145	115	115	4	1	850	1480	1300	1700		37726	2	158	224	3	1	0.39	1.7	2.6	1.7	24.5
280	137	107.5	107.5	5	1.5	940	1350	1200	1600	130TDO280-1		1	169	265	4	1.5	0.36	1.9	2.8	1.8	35
280	137	87.5	87.5	5	1.5	845	1210	1200	1600	130TDO280-2		1	172	262	4	1.5	0.83	0.81	1.2	0.79	34.7
280	205	163.5	163.5	4	1.5	1530	2470	1200	1600	130TDO280-3		1	148	264	3	1.5	0.35	1.9	2.9	1.9	55.5
299	137	87.5	87.5	5	1.5	845	1210	1200	1600	130TDO299-1		1	172	278	4	1.5	0.83	0.81	1.2	0.79	40.6
133	216	106	81	3.5	1.5	495	985	1200	1600	133TDO216-1		1	160	208	3.5	1.5	0.49	1.4	2.1	1.4	14



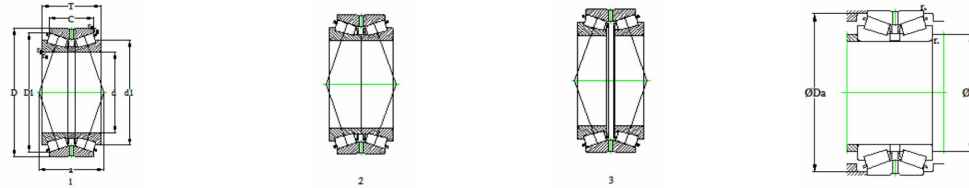
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
135	200	100	85	3	1	495	1010	1200	1600	135TDO200-1		1	153	193	2	1	0.34	2	2.9	1.9	9.8
	210	66	53	2.5	1	305	530	1200	1600	135TDO210-1		1	157	203	2	1	0.4	1.7	2.5	1.6	7.5
	225	85	68	3	1	490	850	1200	1600	135TDO225-1		1	161	217	2.5	1	0.39	1.7	2.6	1.7	12.4
140	190	74	60	1	0.6	296	600	1200	1600	140TDO190-1		1	153	185	1	0.5	0.38	1.8	2.7	1.7	5.3
	200	93.665	73.025	5	1	445	988	1200	1600	140TDO200-1		1	163	195	5	1	0.33	2	3	2	9.3
	200	94.02	73.08	6	1	390	915	1200	1600	140TDO200-2		1	163	195	5	1	0.34	2	3	2	8.8
	210	53	47	2.5	0.6	282	495	1200	1700	140TDO210-1		1	155	202	2	0.6	0.39	1.7	2.6	1.7	6.02
	210	66	53	2.5	1	305	530	1200	1700	140TDO210-2		1	155	202	2	1	0.4	1.7	2.5	1.6	7.02
	210	69	69	2.5	0.6	380	675	1200	1700	140TDO210-3		1	157	202	2	0.6	0.2	3.4	5.1	3.3	8.1
	210	95	75	2.5	0.6	630	970	1200	1700		2097128	1	158	202	2.5	0.6	0.35	1.94	2.88	1.89	8.36
	210	106	94	2.5	0.6	555	1200	1200	1700	140TDO210-4		1	160	203	2	0.6	0.33	2	3	2	
	210	110	88	1	0.6	555	1200	1200	1700	140TDO210-5		1	159	203	1	0.6	0.33	2	3	2	12.4
	225	68	61	3	1	400	630	1200	1600	140TDO225-1		1	158	216	2.5	1	0.39	1.7	2.6	1.7	9.31
	225	84	68	3	1	490	850	1200	1600	140TDO225-2		1	158	215	2.5	1	0.39	1.7	2.6	1.7	11.6
	225	85	68	3	1	490	850	1200	1600	140TDO225-3		1	163	217	2.5	1	0.39	1.7	2.6	1.7	11.7
	225	115	90	3	1	580	1180	1200	1700		2097728	1	165	220	2.5	1	0.34	2	2.98	1.96	15.5
	230	120	94	3	1	685	1270	1200	1700	140TDO230-1		1	166	222	2.5	1	0.33	2	3	2	17.6
	230	124	105	3	1	650	1240	1200	1700	140TDO230-2		1	164	221	2.5	1	0.42	1.6	2.4	1.6	18.6
	230	140	110	3	1	820	1550	1100	1500	140TDO230-3		1	165	222	2.5	1	0.35	1.9	2.9	1.9	20.7
	240	132	106	4	1.5	685	1360	1100	1500	140TDO240-1		1	170	230	3	1.5	0.44	1.5	2.3	1.5	22.7
	250	100	80.5	4	1	630	970	1100	1500	140TDO250-1		1	169	240	3	1	0.39	1.7	2.6	1.7	18.1
	250	102	82.5	4	1	630	970	1100	1500	140TDO250-2		1	161	237	3	1	0.39	1.7	2.6	1.7	18.3
	250	153	125.5	4	1	940	1670	1100	1500	140TDO250-3		1	161	241	3	1	0.4	1.7	2.5	1.6	29
	250	153	110	4	1	910	1700	1200	1600	140TDO250-4		1	174	242	3	1	0.55	1.2	1.8	1.2	29.8
250	157	128	4	1	1050	2100	1200	1600		97528EK	1	174	242	3	1	0.44	1.55	2.31	1.52	31.7	



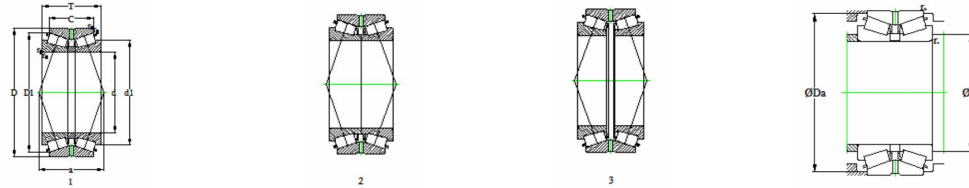
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
260	120	84	3	1.5	735	1210	1200	1600	140TDO260-1			1	154	245	2.5	1.5	0.74	0.9	1.4	0.9	26.6
260	155	120	1.5	4	1050	1900	1200	1600	140TDO260-2			1	158	243.2	3	1.5	0.4	1.68	2.5	1.64	34.4
270	120	95	4	3	870	1440	1200	1600	140TDO270-1			1	174	253	2.5	2.5	0.33	2	3	2	29.3
300	102	77	2.5	1	645	1010	1200	1600	140TDO300-1			1	152	264	2	1	0.55	1.2	1.8	1.2	31.6
300	145	115.5	5	1.5	1030	1480	1200	1600	140TDO300-2			1	180	284	4	1.5	0.36	1.9	2.8	1.8	42.6
300	223	177.5	4	1.5	1690	2740	1200	1500	140TDO300-3			1	158	282	3	1.5	0.35	1.9	2.9	1.9	69
145	225	70	56	3	1	395	685	1200	1500	145TDO225-1		1	168	217	2	1	0.35	1.9	2.9	1.9	9.4
	240	135	110	4	1	775	1440	1200	1500	145TNA240-1		2	171	229	2.5	1	0.32	2.1	3.2	2.1	22.1
150	210	80	62	3	1	350	795	1200	1500		2057930	3	168	198	2.5	1	0.27	2.48	2.69	2.42	9.12
	210	80	62	3	1	350	795	1200	1500		2097930	1	168	198	2.5	1	0.27	2.48	2.69	2.42	9.12
	225	56	50	3	1	300	545	1200	1600	150TDO225-1		1	168	213	2.5	1	0.35	1.9	2.9	1.9	7.41
	225	70	56	3	1	395	685	1200	1600	150TDO225-2		1	168	215	2.5	1	0.35	1.9	2.9	1.9	8.7
	225	107	78	5	1	648	1254	1200	1600	150TDO225-3		1	168	215	2.5	1	0.46	1.5	2.2	1.4	14.5
	225	112	88	3	1	1000	1690	1200	1500		97830	1	168	215	2.5	1	0.39	1.73	2.58	1.69	14.1
	245	108	80	4	1	570	1020	1200	1500	150TDO245-1		1	177	235	3	1	0.35	1.9	2.9	1.9	17.1
	250	80	71	3	1	510	810	1100	1400	150TDO250-1		1	168	240	2.5	1	0.4	1.7	2.5	1.6	14.2
	250	100	80	3	1	630	1090	1100	1400	150TDO250-2		1	168	238	2.5	1	0.39	1.7	2.6	1.7	17.8
	250	115	95	3	1	745	1320	1100	1400	150TDO250-3		1	177	241	2.5	1	0.37	1.8	2.7	1.8	20.9
	250	137	112	3	1	816	1510	1100	1400	150TDO250-4		1	164	238	2.5	1	0.41	1.66	2.47	1.62	24.3
	250	138	112	4	0.6	865	1630	1100	1500	352130	2097730	1	181	244	3	0.6	0.25	2.74	4.08	2.68	25.8
	250	140	115	4	0.6	865	1630	1100	1500	150TDO250-5		1	181	244	3	0.6	0.41	1.6	2.4	1.6	25.4
	250	142	112	4	1.5	885	1630	1100	1500	150TDO250-6		1	181	243	3	1.5	0.41	1.7	2.5	1.6	25
	250	145	115	4	1.5	850	1580	1100	1500	150TNA250-1		2	181	243	3	1.5	0.41	1.7	2.5	1.6	26.5
	255	144	110	5	1	909	1700	1100	1500	150TDO255-1		1	172	232.4	4	1	0.24	2.84	4.23	2.78	27.2



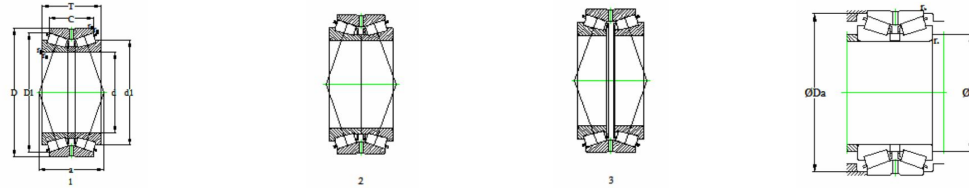
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
260	150	115	4	1	815	1520	1100	1500	150TDO260-1			1	181	248	3	1	0.43	1.6	2.3	1.5	30
270	108	76	4	1	740	1140	1000	1400	150TDO270-1			1	180	258	3	1	0.43	1.6	2.3	1.5	22.7
270	109	87	4	1	740	1140	1000	1400		97730		1	171	254	3	1	0.44	1.55	2.31	1.52	24.5
270	162	128	4	1	1020	1800	1000	1400	150TDO270-2			1	184	260	3	1	0.4	1.7	2.5	1.6	35.6
270	164	130	4	1	1020	1800	1000	1400	150TDO270-3			1	171	257	3	1	0.4	1.7	2.5	1.6	36.1
270	169	138	4	1	1200	2400	1100	1500		97530EK		1	171	257	3	1	0.44	1.55	2.31	1.52	39.4
280	160	104	4	1	1010	1710	1100	1500	150TDO280-1			1	189	265	3	1	0.81	0.84	1.2	0.82	38.5
320	154	120	5	1.5	1180	1720	1100	1500	150TDO320-1			1	193	304	4	1.5	0.36	1.9	2.8	1.8	51.9
330	180	120	5	1.5	1350	2210	1100	1500	150TDO330-1			1	177	313	4	1.5	0.81	0.8	1.2	0.8	70.5
152.4	257	142.88	111.13	3.5	1.5	885	1660	1100	1500	152TNA257-1A		2	182	246	3.5	1.5	0.41	1.7	2.5	1.6	26.9
155	200	66	54	1.5	0.6	242	589	1100	1500	155TDO200-1		1	208	195	1.5	0.6	0.35	1.9	2.9	1.8	4.85
330	180	120	6	1.5	1300	2120	1100	1500	155TDO330-1			1	208	310	5	1.5	0.81	0.84	1.2	0.82	68.5
159	230	80	56	2.5	0.6	400	755	1100	1500	159TDO230-1		1	180	224	2	0.6	0.52	1.3	1.9	1.3	9.4
290	155	117	4	1	1060	1900	1100	1500	159TDO290-1			1	198	280	3	1	0.55	1.2	1.8	1.2	40.3
160	220	82	65	2.5	0.6	430	910	1100	1500		2097932	1	178	215	2	0.6	0.27	2.51	3.74	2.45	8.15
220	90	71	2.5	0.6	430	910	1100	1500	160TDO220-1			1	178	215	2	0.6	0.35	1.9	2.9	1.9	9.1
240	60	53	3	1	355	580	1100	1500	160TDO240-1			1	178	231	2.5	1	0.37	1.8	2.7	1.8	8.56
240	75	60	3	1	395	710	1100	1500	160TDO240-2			1	178	230	2.5	1	0.4	1.7	2.5	1.6	10.5
240	110	90	3	1	650	1290	1100	1500	160TDO240-3			1	183	233	2.5	1	0.38	1.8	2.6	1.7	16.2
240	114	84	5	1	752	1482	1100	1500	160TDO240-4			1	183	229	2.5	1	0.46	1.5	2.2	1.4	16.5
240	115	90	3	0.9	750	1480	1100	1500		2097132		1	183	229	2.5	0.6	0.35	1.94	2.88	1.89	16.5
262	140	120	3	1	865	1780	1000	1250	160TDO262-1			1	191	255	2.5	1	0.44	1.5	2.3	1.5	28.3
270	86	76	3	1	540	885	1000	1300	160TDO270-1			1	178	255	2.5	1	0.4	1.7	2.5	1.6	18.6
270	108	86	3	1	775	1380	1000	1300	160TDO270-2			1	178	256	2.5	1	0.39	1.7	2.6	1.7	23.1



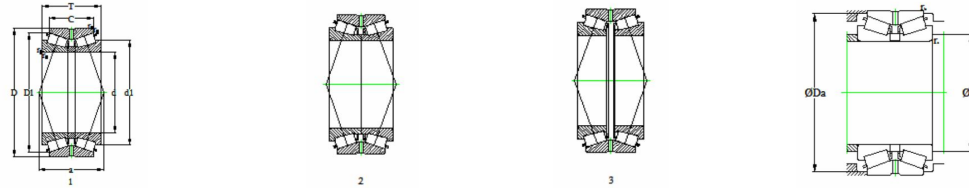
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
270	110	86	2.5	1	785	1360	1000	1300	160TDO270-3			1	172	250.5	2	1	0.31	2.2	3.3	2.2	22.9
270	140	110	3	1	1600	2620	1000	1400		37732		2	191	261	2.5	1	0.36	1.86	2.76	1.81	26.7
270	140	120	3	1	990	1880	1000	1400	352132X2/HA			1	191	262	2.5	1	0.32	2.12	3.15	2.07	31.8
270	149	120	3	1	990	1880	1000	1400	160TDO270-4			1	191	261	2.5	1	0.39	1.7	2.6	1.7	31.7
270	150	120	4	1	990	1880	1000	1400	352132	2097732		1	191	259	3.5	1	0.36	1.86	2.76	1.81	28.3
280	140	120	3	1	990	1880	1000	1400	160TDO280-1			1	191	267	2.5	1	0.39	1.7	2.6	1.7	34.7
280	150	125	4	1	1100	2020	1000	1400	160TDO280-2			1	194	270	3	1	0.32	2.1	3.2	2.1	35.9
290	115	91	4	1	800	1220	950	1300	160TDO290-1			1	181	275	3	1	0.43	1.6	2.3	1.5	28.2
290	178	144	4	1	1240	2240	950	1300	160TDO290-2			1	181	278	3	1	0.4	1.7	2.5	1.6	46.2
290	180	140	4	1	1240	2240	950	1300		97532		1	181	278	3	1	0.4	1.7	2.53	1.66	46.2
340	160	126	5	1.5	1310	1920	950	1300	160TDO340-1			1	205	323	4	1.5	0.36	1.9	2.8	1.8	60.4
165	225	95	70	4	0.6	410	1080	950	165TNA225-1			2	186	219	3	0.6	0.38	1.8	2.6	1.7	10.7
290	143	111	4	1.5	930	1880	920	1200	165TNA290-1			2	203	278	2.5	1	0.47	1.4	2.1	1.4	38.3
290	150	125	4	1	1140	2130	920	1200		97833U		1	199	278	3	1	0.31	2.2	3.27	2.15	41.1
350	146	108	7.5	1.5	1220	1980	1000	1400	165TDO350-1			1	201	308.5	6	1.5	0.34	2	3	2	61.2
170	230	82	65	3	1	420	900	1000	1400		2097934	1	193	220	2	1	0.28	2.39	3.56	2.34	8.11
250	85	65	3	1	435	845	1000	1400	170TDO250-1			1	193	242	2	1	0.44	1.5	2.3	1.5	12.3
260	67	60	3	1	400	700	1000	1300	170TDO260-1			1	188	248	2.5	1	0.4	1.7	2.5	1.6	11.8
260	84	67	3	1	575	1030	1000	1300	170TDO260-2			1	188	249	2.5	1	0.39	1.7	2.6	1.7	14.4
260	90	65	3	1	575	1030	1000	1300	170TDA260-1			2	194	251	2	0.8	0.39	1.7	2.6	1.7	15.1
260	120	95	3	1	685	1550	1000	1400		2097134		1	188	266	2.5	1	0.31	2.18	3.24	2.13	20.4
260	120	95	3	1	685	1550	1000	1400		2057134		1	188	266	2.5	1	0.31	2.18	3.24	2.13	20
280	88	78	3	1	630	1040	950	1300	170TD280-1			1	188	266	2.5	1	0.39	1.7	2.6	1.7	19.7



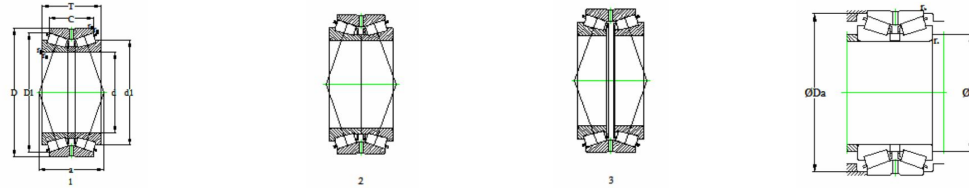
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
280	110	88	3	3	1	820	1450	950	1300	170TD280-2		1	188	268	2.5	1	0.39	1.7	2.6	0.7	24.2
280	110	90	3	3	1	820	1450	950	1300	170TD280-2		1	200	271	2.5	1	0.39	1.7	2.6		24.3
280	123	100	3	3	1	810	1660	950	1300	170TD280-3		1	195	262	2	1	0.38	1.8	2.6	1.7	28.5
280	134	106	3	3	1	855	1790	950	1300	170TD280-4		1	184	250.5	2.5	1	0.44	1.5	2.3	1.5	29.2
280	150	130	3	3	1	1110	2160	1000	1300	170TD280-5		1	200	271	2.5	1	0.39	1.7	2.6	1.7	34.6
280	150	120	3	3	1	1110	2160	1000	1300		2097734	1	200	271	2.5	1	0.38	1.78	2.65	1.74	35.6
310	122	94	5	5	1.5	900	1380	900	1200	170TDO310-1		1	207	297	4	1.5	0.43	1.6	2.3	1.5	34.1
310	125	97	5	5	1.5	900	1380	900	1200	170TDO310-2		1	197	291	4	1.5	0.43	1.6	2.3	1.5	34.9
310	192	152	5	5	1.5	1430	2640	900	1200	170TDO310-3		1	197	296	4	1.5	0.4	1.7	2.5	1.6	57.3
310	195	150	5	5	1.5	1540	2890	900	1200	170TNA310-1		2	209	297	3	1	0.33	2	3	2	59.6
320	180	140	5	5	1.5	1410	2510	900	1200	170TDO320-1		1	215	309	4	1.5	0.43	1.6	2.3	1.5	59.8
178	289	143	111	5.5	1.6	1050	1870	1000	1300	178TNA289-1		2	209	278	5.5	1.6	0.32	2.1	3.2	2.1	31.7
180	250	94	76	2.5	0.6	607	1310	1000	1300	180TDO250-1		1	192	238.9	2	0.6	0.37	1.8	2.69	1.76	13
250	95	74	2.5	2.5	0.6	607	1310	1000	1300		2097936	1	192	238.9	2	0.6	0.37	1.84	2.74	1.8	13
270	109.54	84.138	5	5	1	648	1520	900	1300	180TDO270-1		1	198	265	2	0.6	0.48	1.4	2.1	1.4	22.5
280	74	66	3	3	1	455	810	900	1300	180TDO280-1		1	198	255	2.5	1	0.4	1.7	2.5	1.6	15.4
280	93	74	3	3	1	655	1220	900	1200	180TDO280-2		1	198	265	2.5	1	0.35	1.9	2.9	1.9	19.5
280	134.5	108	2.5	2.5	1	885	1800	900	1200	180TDO280-3		1	192	266	2	1	0.37	1.8	2.7	1.8	27
280	134	108	2.5	2.5	1	885	1800	1000	1300		2097136	1	192	266	2	1	0.28	2.43	3.61	2.37	28.5
285	108	79.4	2.5	2.5	2.3	720	1200	940	1300		37736	2	212	265	5.5	1.5	0.35	1.95	2.9	1.91	23.2
290	143	111	5.5	5.5	1.5	930	1880	940	1300	180TNA290-1		2	212	278	5.5	1.5	0.47	1.4	2.1	1.4	33.6
290	150	120	3	3	1	1140	2260	940	1300	180TDO290-1		1	210	280	2.5	1	0.4	1.7	2.5	1.6	35.7
300	96	85	4	4	1.5	725	1210	900	1200	180TDO300-1		1	201	284	3	1.5	0.39	1.7	2.6	1.7	24.8



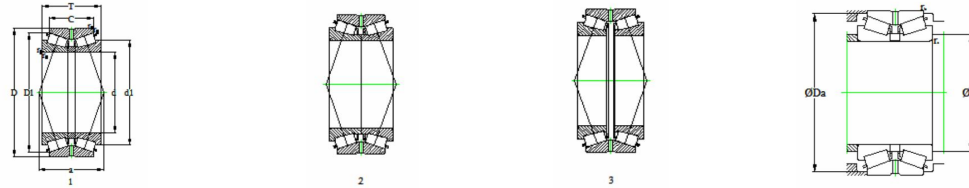
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
300	120	96	4	1.5	940	1690	850	1200	180TDO300-2			1	201	287	3	1.5	0.39	1.7	2.6	1.7	31.1
300	163	134	4	1	1210	2240	850	1200	180TDO300-3			1	198	281.7	3	1	0.33	2.03	3.02	1.98	42.2
300	164	134	4	1	1210	2240	940	1300		2097736		1	198	281.7	3	1	0.26	2.46	3.93	2.58	39.9
320	127	99	5	1.5	895	1390	850	1200	180TDO320-1			1	207	300	4	1.5	0.44	1.5	2.3	1.5	36.5
320	190	145	5	1.5	1500	2760	850	1100		97536		1	207	308	4	1.5	0.36	1.85	2.76	1.81	52.4
320	192	152	5	1.5	1500	2760	850	1100		97536K		1	207	308	4	1.5	0.36	1.85	2.76	1.81	60
340	108	140	5	1.5	1410	2510	850	1100	180TDO340-1			1	220	319	4	1.5	0.43	1.6	2.3	1.5	68.1
340	170	140	5	1.5	1540	2530	850	1100	180TDO340-2			1	202	313.8	4	1.5	0.32	2.12	3.15	2.07	63.2
340	180	140	4	1.5	1390	2590	840	1100			97736	1	198	302	3	1.5	0.35	1.96	2.91	1.91	71.9
190	260	94	76	2.5	0.6	580	1290	940	1300	190TDO260-1		1	210	254	2	0.6	0.39	1.7	2.6	1.7	13.5
260	95	76	2.5	0.6	580	1290	940	1300	352938X2	2097938		1	210	254	2	0.6	0.38	1.76	2.62	1.72	13.3
290	75	67	3	1	490	845	850	1200	190TDO290-1			1	208	279	2.5	1	0.39	1.7	2.6	1.7	16.2
290	94	75	3	1	670	1230	900	1200	190TDO290-2			1	208	279	2.5	1	0.4	1.7	2.5	1.6	20.1
290	134	104	3	1	845	1860	890	1200			2097138	1	208	279	2.5	1	0.37	1.83	2.72	1.79	28.8
320	104	92	4	1.5	800	1380	800	1100	190TDO320-1			1	211	301	3	1.5	0.4	1.7	2.5	1.6	30.9
320	130	104	4	1.5	1070	1960	800	1100	190TDO320-2			1	211	302	3	1.5	0.39	1.7	2.6	1.7	39
320	170	130	3	1	1330	2530	840	1100			2097738	1	225	308	3	1	0.31	2.15	3.2	2.1	52
320	171	134	4	1	1330	2530	840	1100	190TDO320-3			1	225	308	3	1	0.38	1.8	2.7	1.8	50.1
340	133	105	5	1.5	990	1580	800	1100	190TDO340-1			1	217	320	4	1.5	0.4	1.7	2.5	1.6	43.9
340	204	160	5	1.5	1680	3100	800	1100	190TDO340-2			1	217	327	4	1.5	0.4	1.7	2.5	1.6	70.8
200	280	110	85	3	1	610	1530	900	1200		2097940	1	228	268	2.5	1	0.39	1.72	2.56	1.68	18.1
290	121.45	88	6	1	765	1720	800	1100	200TDO290-1			1	228	279	4	0.8	0.4	1.7	2.5	1.6	23.7
310	82	73	3	1	585	1070	800	1100	200TDO310-1			1	218	295	2.5	1	0.4	1.7	2.5	1.6	21.2
310	103	82	3	1	775	1400	850	1100	200TDO310-2			1	218	296	2.5	1	0.43	1.6	2.3	1.5	25.1
310	151	118	3	1	910	2180	840	1100	352040X2-1			1	230	300	2.5	1	0.37	1.8	2.7	1.8	38



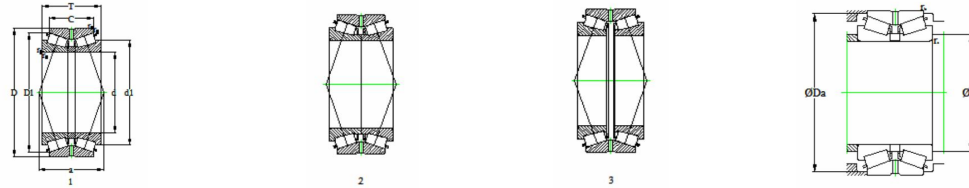
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
310	151	120	3	1	910	2180	840	1100	352040X2			1	230	300	2.5	1	0.39	1.72	2.56	1.68	38.9
310	152	123	3	1	1100	2280	840	1100	200TDO310-3			1	230	300	2.5	1	0.39	1.72	2.56	1.68	38.3
310	170	140	3	1	1240	2730	750	1000	200TDO310-4			1	214	291.4	2.5	1	0.33	2.03	3.02	1.98	44.9
320	146	110	5	1.5	990	2120	750	1000	200TDO320-1			1	236	307	4	1.5	0.52	1.3	1.9	1.3	41.6
330	180	140	5	1.5	1390	2730	750	1000	200TDO330-1			1	237	319	4	1.5	0.42	1.6	2.4	1.6	54.4
340	112	100	4	1.5	940	1670	750	1000	200TDO340-1			1	221	321	3	1.5	0.4	1.7	2.5	1.6	38.8
340	140	112	4	1.5	1260	2250	750	1000	200TDO340-2			1	221	324	3	1.5	0.39	1.7	2.6	1.7	47
340	183	150	4	1	1580	3050	800	1100	200TDO340-3			1	237	328	3	1	0.36	1.9	2.8	1.8	61.9
340	184	150	4	1	1650	3400	800	1100		2097740	1	237	328	3	1	0.25	2.74	4.08	2.68	63.8	
350	140	112	4	1.5	1260	2250	750	1000	200TDO350-1			1	237	333	3	1.5	0.39	1.7	2.6	1.7	51.9
356	152	111	6	1.5	1190	2470	750	1000	200TDO356-1			1	249	341	5	1.5	0.33	2	3	2	59.8
360	142	110	5	1.5	1100	1780	750	1000	200TDO360-1			1	227	338	4	1.5	0.4	1.7	2.5	1.6	52.6
360	218	174	5	1.5	1860	3500	750	1000	97540E			1	227	342	4	1.5	0.4	1.7	2.5	1.6	87.2
205	320	146	111	5	1.5	990	2120	940	1100	205TNA320-1		2	238	307	4	1.5	0.52	1.3	1.9	1.3	40.2
320	150	110	4	1.5	990	2120	940	1100	37741			2	238	307	4	1.5	0.39	1.72	2.56	1.68	40.2
206	283	102	83	4	1.5	580	1430	1000	1300	206TDO283-1		1	231	275	3	1.5	0.51	2	0.51	1.3	18.1
210	300	110	85	1	1	735	1550	940	1100	210TDO300-1		1	233	291	0.8	0.8	0.38	1.8	2.6	1.7	22.6
355	116	103	4	1.5	905	1520	920	1050	210TDO355-1			1	248	342	3	1.5	0.46	1.5	2.2	1.4	41.7
360	190	160	5	1.5	1620	3200	920	1050	210TDO360-1			1	251	348	3	1	0.39	1.8	2.6	1.7	74.7
220	300	110	88	3	1	730	1710	810	1100		2097944	1	244	293	2.5	1	0.37	1.8	2.7	1.8	21.2
340	90	80	4	1.5	695	1280	750	1000	220TDO340-1			1	241	324	3	1.5	0.4	1.7	2.5	1.6	27.9
340	113	90	4	1.5	920	1830	750	1000	220TDO340-2			1	241	327	3	1.5	0.4	1.7	2.5	1.6	34.7
340	130	110	4	1.5	920	1830	750	1000	220TNA340-1			2	255	330	2.5	1	0.4	1.7	2.5	1.6	39.7
340	158	130	4	1	1340	2750	750	1000	220TDO340-1			1	238	324	3	1	0.33	2	3	2	46.7



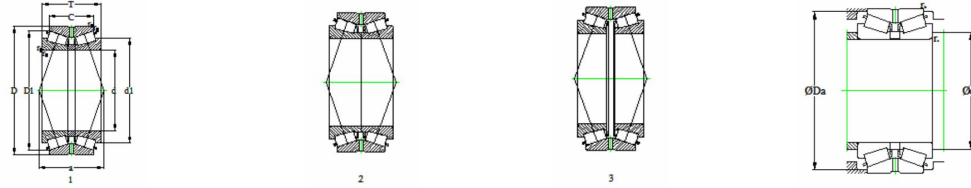
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
340	164	130	4	1	1567	3182	750	1000	220TDO340-2			1	234	323	2.5	1	0.43	1.6	2.3	1.6	50
340	165	130	4	1	1567	3182	750	1000			2097144	1	234	323	2.5	1	0.43	1.6	2.3	1.6	50
370	120	107	5	1.5	1235	2166	710	950	220TDO370-1			1	247	345	4	1.5	0.4	1.7	2.5	1.7	49
370	150	120	5	1.5	1460	2760	710	950	220TDO370-2			1	247	349	4	1.5	0.39	1.7	2.6	1.7	60.2
370	195	150	4	1.5	1530	3200	760	1000			2097744	1	247	349	2.5	1	0.37	1.83	2.72	1.79	76.3
400	150	114	5	1.5	1390	2300	670	900	200TDO400-1			1	266	381	4	1.5	0.4	1.7	2.5	1.6	70.9
400	158	122	5	1.5	1390	2300	670	900	200TDO400-2			1	247	371	4	1.5	0.4	1.7	2.5	1.6	74.2
420	130	100	5	2.5	1160	1820	760	1000	220TDO420-1			1	242	378	4	2	0.4	1.7	2.5	1.6	73.1
225	360	146.5	111	3	1	1160	1820	760	1000	37745		2	259	335	12.5	1	0.36	1.87	2.79	1.83	48.2
230	355	145	110	6	1.5	1160	2370	760	1000	37746		2	264	340	4	1	0.36	1.87	2.79	1.83	49
	355	146	111	6	1.5	1160	2370	760	1000	230TNA355-1		2	264	340	4	1	0.33	2	3	2	48.2
	355.64	144	110	6	1.5	1250	2590	760	1000	230TDO355-2A		1	258	331.4	5	1.5	0.35	1.95	2.9	1.91	47.5
	380	175	115	5	1.5	1470	2890	760	1000	230TDO380-1		1	276	365	4	1.5	0.8	0.85	1.3	0.83	69.9
	380	200	160	5	1.5	1930	3800	760	1000	230TDO380-2		1	270	367	4	1.5	0.33	2	3	2	80.9
	400	188	136	7.5	1.5	1620	3000	710	950	230TDO400-1		1	274	379	6	1	0.44	1.5	2.3	1.5	85.9
	410	180	120	5	1.5	1770	3150	710	950	230TDO410-1		1	278	395	4	1.5	0.55	1.2	1.8	1.2	91.5
	420	200	160	5	1.5	1960	3630	710	950	230TDO420-1		1	252	390.4	4	1.5	0.47	1.43	2.12	1.4	114
	430	215	130	6	1.5	2040	3700	710	950	230TDO430-1		1	291	416	5	1.5	0.86	0.79	1.2	0.77	128
	450	265	164	6	1.5	2730	4850	710	950	230TDO450-1		1	295	433	5	1.5	0.87	0.78	1.2	0.76	175
240	320	105	82	3	1	830	1960	760	1000		2097948	1	254	312	2.5	1	0.32	2.12	3.15	2.07	22.3
	320	109	90	3	1	830	1960	760	1000	240TDO320-1		1	254	312	2.5	1	0.46	1.47	2.19	1.44	24
	320	110	87	3	1	795	1890	760	1000		2097948K	1	252	314	2	1	0.32	2.12	3.15	2.07	23
	320	110	90	2.5	1	795	1890	760	1000	240TDO320-2		1	252	314	2	1	0.46	1.5	2.2	1.4	21.6
	360	92	82	4	1.5	780	1490	670	950	240TDO360-1		1	261	344	3	1.5	0.39	1.7	2.6	1.7	30.1
	360	115	92	4	1.5	1020	2040	670	950	240TDO360-2		1	261	344	3	1.5	0.39	1.9	2.9	1.9	37.3



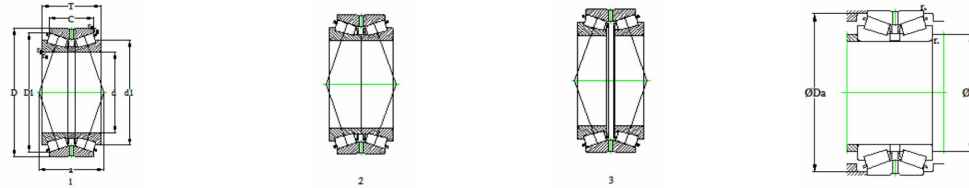
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
360	164	130	3	3	1	1420	3050	670	950	240TDO360-3		1	254	356	2.5	1	0.32	2.1	3.2	2.1	51.9
360	165	130	3	3	1	1420	3050	690	920		2097148	1	254	356	2.5	1	0.32	2.1	3.2	2.1	52.8
360	170	142	4	4	1	1350	2870	690	920	240TDO360-4		1	274	351	3	1	0.39	1.7	2.6	1.7	54.1
400	128	114	5	5	1.5	1180	2190	630	850	240TDO400-1		1	267	380	4	1.5	0.43	1.6	2.3	1.5	60
400	160	128	5	5	1.5	1620	3050	630	850	240TDO400-2		1	267	378	4	1.5	0.39	1.7	2.6	1.7	73.6
400	209	168	4	4	1.5	2140	4350	630	850	240TDO400-3		1	258	376	3	1.5	0.32	2.1	3.2	2.1	94.1
400	210	163	4	4	1.5	2140	4350	630	850		2097748	1	258	376	3	1.5	0.32	2.1	3.2	2.1	94
407	216	185	6	6	1.5	2220	4450	630	850	240TDO407-1		1	285	393	5	1.5	0.33	2	3	2	106
440	165	127	4	4	1.5	1680	2960	630	850	240TDO440-1		1	258	406	3	1.5	0.49	1.4	2.1	1.4	100.4
440	266	212	4	4	1.5	2920	5500	630	850	240TDO440-2		1	258	421.5	3	1.5	0.43	1.6	2.3	1.5	164.8
500	282	168	6	6	1	3060	5000	600	850	240TDO500-1		1	268	481	5	1	0.94	0.72	1.07	0.7	250
250	380	98	87	4	1	795	1460	600	850	250TDO380-1		1	285	369	3	1	0.4	1.7	2.5	1.6	35.5
480	210	180	6	6	2	2400	3900	600	850	250TDO480-1		1	278	447.2	5	2	0.4	1.68	2.5	1.64	156
260	360	105	76	3	1	940	1900	670	900	260TDO360-1		1	274	346	2.5	1	0.35	1.9	2.9	1.8	28
360	133	109	3	3	1	1100	2630	670	900	260TDO360-2		1	274	346	2.5	1	0.43	1.57	2.34	1.53	38.6
360	134	108	3	3	1	1100	2630	670	900		2097952	1	274	346	2.5	1	0.43	1.57	2.34	1.53	39
390	146	112	5	5	1.5	1260	2440	630	850	260TNA390-1		2	295	379	4	1.5	0.39	1.7	2.5	1.7	52.3
400	104	92	5	5	1.5	1064	1976	630	850	260TDO400-1		1	287	379	4	1.5	0.4	1.7	2.5	1.6	44
400	130	104	5	5	1.5	1210	2460	600	850	260TDO400-2		1	287	382	4	1.5	0.4	1.7	2.5	1.6	54.1
400	146	108	6	6	1.5	1300	2570	600	850	260TDO400-1		1	288	374	5	1.5	0.39	1.71	2.54	1.67	65
400	149	110	6	6	1.5	1270	2600	600	850	260TDO400-2		1	288	371.4	5	1.5	0.35	1.95	2.9	1.91	61.6
400	150	110	6	6	1.5	1280	2630	630	840	37852		2	288	371.4	5	1.5	0.35	1.95	2.99	1.91	60.3
400	155	108	9.5	9.5	1.6	1260	2440	630	840	260TDO400-3		1	300	383	9.5	1.6	0.39	1.7	2.5	1.7	58



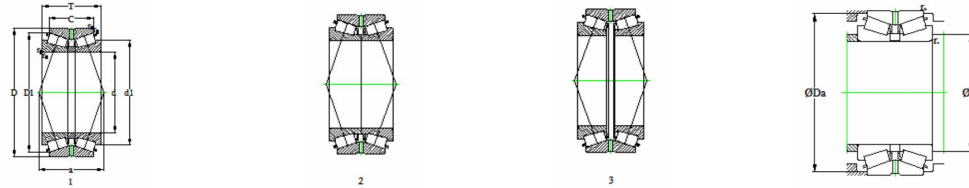
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
400	185	146	146	4	1.5	1720	3650	630	840	260TDO400-4		1	278	376	3	1.5	0.29	2.3	3.4	2.3	75.1
400	186	146	146	4	1.5	1720	3650	630	840		2097152	1	278	376	3	1.5	0.29	2.3	3.4	2.3	76
430	179	130	130	7.5	1.5	1820	3710	630	840	260TDO430-1		1	296	395	6	1.5	0.35	1.95	2.9	1.91	94.3
430	180	130	130	7.5	1.5	1820	3710	630	840	37752		2	296	395	6	1.5	0.35	1.95	2.9	1.91	87.9
440	144	128	128	5	1.5	1776	3277	560	800	260TDO440-1		1	287	416	4	1.5	0.37	1.8	2.7	1.8	86.5
440	172	145	145	5	1.5	1860	3500	560	800	260TDO440-2		1	305	422	4	1.5	0.38	1.8	2.6	1.7	98.1
440	180	144	144	5	1.5	2110	4150	560	800	260TDO440-3		1	287	416	4	1.5	0.39	1.7	2.6	1.7	104
440	224	180	180	5	1.5	2700	5350	580	770	260TDO440-4		1	282	408.5	4	1.5	0.24	2.84	4.23	2.78	130
440	225	180	180	5	1.5	2200	4800	580	770		2097752	1	282	408.5	4	1.5	0.24	2.84	4.23	2.78	131
445	144	128	128	5	1.5	1540	2760	580	770	260TDO445-1		1	306	426	4	1.5	0.39	1.7	2.6	1.7	86
480	284	220	220	5	1.5	3819	6982	580	770	260TDO480-1		1	322	515	4	1.5	0.43	1.6	2.3	1.6	210
530	275	163.9	163.9	6	2.5	3150	5650	560	740	260TDO530-1		1	337	510	5	2	0.94	0.72	1.1	0.7	259
270	355	120	95	3	1.5	890	2260	560	740	270TDO355-1		1	295	347	2.5	1	0.35	1.9	2.9	1.9	29.3
280	380	134	108	3	1	940	2650	620	820		2097956	1	315	368	3	1	0.32	2.1	3.13	2.05	44
400	150	120	120	6	1.5	1290	2870	620	820	280TDO400-1		1	315	389	5	1.5	0.39	1.8	2.6	1.7	54.2
420	106	94	94	5	1.5	915	1820	620	820	280TDO420-1		1	318	406	4	1.5	0.44	1.5	2.3	1.5	46.7
420	133	106	106	5	2	1350	2760	620	820	280TDO420-2		1	319	407	4	2	0.4	1.7	2.5	1.6	59.7
420	186	146	146	5	1.5	1800	4100	620	820		2097156	1	319	442	4	1.5	0.37	1.83	2.72	1.79	81.5
425	133	106	106	5	2	1350	2760	620	820	280TDO425-1		1	319	409	4	2	0.4	1.7	2.5	1.6	62.3
460	146	130	130	6	2	1660	3000	580	770	280TDO460-1		1	323	440	5	2	0.39	1.7	2.6	1.7	88.2
460	183	146	146	6	1.5	2170	4250	580	770	280TDO460-2		1	327	442	5	1.5	0.39	1.7	2.6	1.7	109
470	250	180	180	6.4	1.5	3296	6080	580	770	280TDO470-1		1	330	450	5	1.5	0.46	1.5	2.2	1.4	155
500	195	145	145	6	1.5	2470	4500	580	770	280TDO500-1		1	335	479	5	1.5	0.45	1.5	2.2	1.5	155
289	422	186	146	6	1.5	2040	4650	580	770	289TDO422-1		1	326	410	5	1.5	0.31	2.2	3.2	2.1	82.3



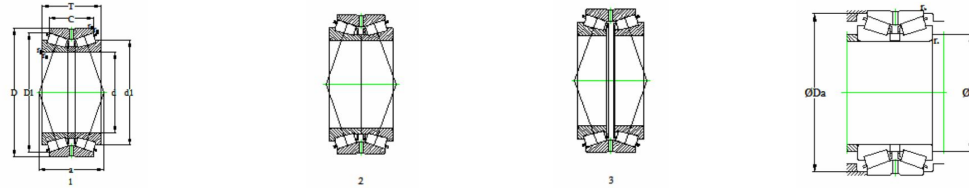
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
290	400	120	90	5	1.5	1050	2380	580	770	290TDO400-1		1	322	389	4	1.5	0.41	1.6	2.4	1.6	40.7
	405	165	130	5.5	1	1530	3650	580	770	290TDO405-1		1	324	395	5.5	1	0.34	2	3	2	59.9
	430	150	135	4	1.5	1350	3200	580	770	290TDO430-1		1	308	407	3	1.5	0.39	1.7	2.6	1.7	73.5
300	420	148	118	5	2	1290	2960	580	770	300TDO420-1		1	335	408	4	2	0.41	1.6	2.4	1.6	58.9
	420	160	128	4	1	1600	3610	580	770	352960X2		1	318	481	4	1	0.28	2.39	3.56	2.34	60.8
	440	139	100	4	0.6	1360	2870	560	740	300TDO440-1		1	318	411.9	3	0.6	0.37	1.8	2.69	1.76	63.8
	460	118	105	5	1.5	1130	2180	560	740	300TDO460-1		1	344	446	4	1.5	0.42	1.6	2.4	1.6	64.8
	460	148	118	5	1.5	1570	3300	560	740	300TDO460-2		1	347	448	4	1.5	0.42	1.6	2.4	1.6	83.3
	460	210	165	5	1.5	2100	4800	560	740		2097160	1	347	484	4	1.5	0.36	1.85	2.76	1.81	118
	500	160	142	6	2	1970	3600	530	710	300TDO500-1		1	350	481	5	2	0.39	1.7	2.6	1.7	115
	500	179	125	7.5	1.5	1980	3760	530	710	300TDO500-2		1	336	455	5	1.5	0.26	2.55	3.8	2.5	122
	500	200	160	6	2	2530	5000	530	710	97860		1	352	481	5	2	0.39	1.7	2.6	1.7	146
	500	203	152	5	1.5	2670	4850	530	710	300TDO500-3		1	352	481	4	1.5	0.4	1.7	2.5	1.6	140
	500	205	152	5	1.5	2670	4850	530	710		1097760	1	352	481	4	1.5	0.4	1.7	2.5	1.6	140
	502	200	160	6	2	2530	5000	530	710	300TDO502-1		1	352	482	5	2	0.39	1.7	2.6	1.7	148
	540	208	158	5	2.5	2440	450	500	660	300TDO540-1		1	322	498	4	2	0.49	1.4	2.1	1.4	184
	560	170	50	5	5	3200	3800	500	660		370660/HC	1	322	536	4	4	0.81	0.823	1.23	0.81	197
	600	310	220	6	1.5	4450	7900	500	660	300TDO600-1		1	370	571	4	1.5	0.35	1.9	2.9	1.9	357
305	560	223	130	5	2.5	2530	4700	500	660	305TDO560-1		1	327	530	4	2	1.09	0.6	0.9	0.6	227
310	470	200	148	9.5	1.5	2230	4800	530	710	310TDO470-1		1	359	456	8	1.5	0.4	1.7	2.5	1.6	11
320	480	121	108	5	1.5	1310	2550	530	710	320TDO480-1		1	359	462	4	1.5	0.4	1.7	2.5	1.6	70.9
	480	151	121	5	1.5	1750	3700	530	710	97764		1	362	464	4	1.5	0.4	1.7	2.5	1.6	88
	480	215	163	5	1.5	2580	5850	530	710	320TDO480-2		1	365	468	4	1.5	0.46	1.5	2.2	1.4	125
	480	220	186	5	1	2580	5850	530	710	352064	2097164	1	365	468	4	1.5	0.46	1.47	2.19	1.44	134



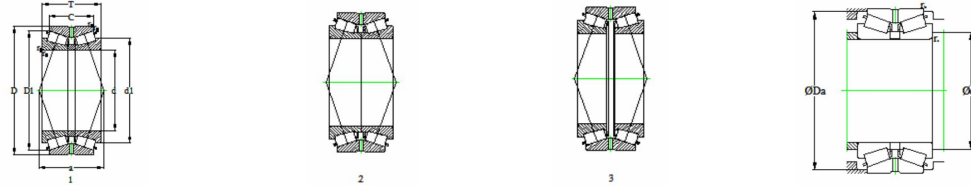
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
540	176	130	6	2	2360	4450	530	710	320TDO540-1			1	375	516	4	2	0.39	1.7	2.6	1.7	153
540	176	157	6	2	2430	4600	530	710	320TDO540-2			1	375	520	5	2	0.39	1.7	2.6	1.7	153
540	220	176	6	2	3050	6100	530	710	320TDO540-3			1	379	520	5	2	0.39	1.7	2.6	1.7	190
550	240	180	5	2.5	3300	6500	530	710	320TDO550-1			1	342	514	4	2	0.4	1.7	2.5	1.6	222
330	500	190	150	6	1.5	2360	5200	500	660	330TDO500-1		1	377	485	5	1.5	0.39	1.7	2.6	1.7	125
330.25	528	292	210	特殊	1	3250	7250	500	660	330TDO528-1A		1	393	513	--	1	0.43	1.6	2.3	1.5	221
340	460	160	128	3	1	1950	4650	500	660		2097968	1	354	441	2.5	1	0.31	2.2	3.3	2.2	71
500	150	120	2	6	1780	3630	500	660	340TDO500-1			1	368	475.3	5	2	0.42	1.62	2.42	1.59	91.4
500	154	110	1.5	6	1780	3630	500	660	340TDO500-2			1	368	477	5	1.5	0.42	1.62	2.42	1.59	99
500	249	203	5	1.5	2690	6200	500	660	340TDO500-3			1	362	481	4	1.5	0.33	2	3	2	147
500	249.22	203.2	5	1.5	2950	6850	500	660	340TDO500-4			1	381	485	4	1.5	0.28	2.4	3.6	2.4	149
520	133	118	6	2	1580	3150	500	660	340TDO520-1			1	387	501	5	2	0.37	1.8	2.7	1.8	94.9
520	165	133	6	2	2140	4300	460	620	340TDO520-2			1	386	503	5	2	0.39	1.7	2.6	1.7	118
580	190	169	6	2	2690	5150	460	620	340TDO580-1			1	399	554	5	2	0.39	1.7	2.6	1.7	194
580	238	190	6	2	3450	7050	460	620	340TDO580-2			1	401	557	5	2	0.39	1.7	2.6	1.7	240
580	241	170	6	1.5	3480	6890	460	620	340TDO580-3			1	368	540	5	1.5	0.43	1.57	2.34	1.53	237
580	242	170	6	1.5	3480	6890	460	620		1097768		1	368	540	5	1.5	0.43	1.57	2.34	1.53	238
580	305	241	6	2	4700	10200	460	620	340TDO580-4			1	401	557	4	2	0.33	2	3	2	323
360	480	160	128	4	1	1950	4750	510	680		2097972	1	405	460	3	1	0.33	2	3	2	74.7
540	134	120	6	2	1690	3300	460	620	360TDO540-1			1	405	522	5	2	0.39	1.7	2.6	1.7	97.6
540	169	134	6	2	2280	4800	460	620	97872			1	409	524	5	2	0.39	1.7	2.6	1.7	123
540	184	140	6	1.5	2400	4980	460	620	360TDO540-2			1	388	510	5	1.5	0.29	2.32	3.45	2.26	131
540	185	140	6	1.5	2400	4980	460	620	97172			1	388	510	5	1.5	0.29	2.32	3.45	2.26	132



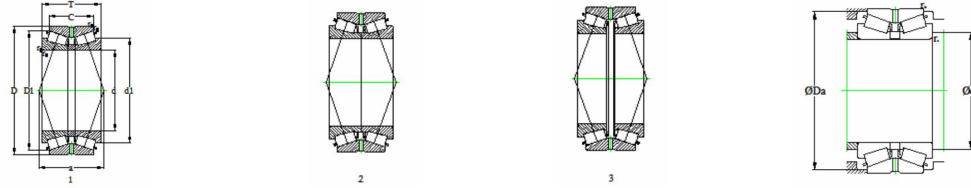
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
560	300	240	6	2	4100	9500	400	520	360TDO560-1			1	410	540	4	2	0.28	2.4	3.6	2.4	254
600	192	171	6	2	2860	5750	400	520	360TDO600-1			1	420	577	5	2	0.41	1.6	2.4	1.6	214
600	240	192	6	2	3850	8000	400	520	360TDO600-2			1	420	577	5	2	0.39	1.7	2.6	1.7	260
600	242	170	6	2	3200	7100	400	520		1097772		1	420	577	5	2	0.44	0.54	2.3	1.51	221
605	192	171	6	2	2860	5750	400	520	360TDO605-1			1	420	579	5	2	0.41	1.6	2.4	1.6	220
370	680	280	188	7.5	4	4400	8500	380	500	370TDO680-1		1	452	652	6	3	0.7	0.97	1.4	0.94	417
380	508	139.7	88.9	6.4	1.5	920	2270	380	500	380TDO508-1		1	408	483	5	1.5	0.53	1.3	1.9	1.2	69.5
520	145	105	4	1	1950	3950	530	710		1097976		1	424	502	3	1	0.38	1.77	2.64	1.73	78.8
520	148	112	4	1.5	2050	4280	530	710	380TDO520-1			1	424	502	3	1.5	0.3	2.3	3.4	2.2	80.2
560	135	122	6	2	1830	3700	530	710	380TDO560-1			1	424	541	5	2	0.37	1.8	2.7	1.8	110
560	171	135	6	2	2480	5450	530	710	380TDO560-2			1	428	543	5	2	0.37	1.8	2.7	1.8	136
560	190	140	6	2	2700	6400	410	540	97176			1	428	543	5	2	0.39	1.75	2.61	1.71	137
620	194	173	6	2	2560	4850	410	540	380TDO620-1			1	437	596	5	2	0.39	1.7	2.6	1.7	206
620	241	170	5	2	3700	7400	410	540	380TDO620-2			1	402	582	4	2	0.46	1.5	2.2	1.4	253
620	242	170	6	2	3950	8550	410	540		1097776		1	443	599	5	2	0.46	1.47	2.18	1.43	256
620	243	194	6	2	3950	8550	410	540	380TDO620-3			1	443	599	5	2	0.39	1.7	2.6	1.7	276
660	380	310	14	3.5	7270	15200	410	540	380TDO660-1			1	443	622	12	3	0.33	2	3	2	520
385	550	220	180	6	1.5	3150	8000	410	540	385TDO550-1		1	429	534	5	1.5	0.33	2	3	2	162
390	600	185	130	5	1.5	2470	5300	410	540	390TDO600-1		1	442	575	4	1.5	0.37	1.8	2.7	1.8	178
600	310	220	6	1.5	3800	8750	410	540	390TDO600-2			1	444	581	4	1	0.35	1.9	2.9	1.9	279
630	254	170	1.5	6	3460	7490	410	540	390TDO630-1			1	418	601	5	1.5	0.76	0.88	1.31	0.86	290
400	540	140	100	6	1	1400	3300	410	540	400TDO540-1		1	440	527	5	1	0.48	1.4	2.1	1.4	78.4



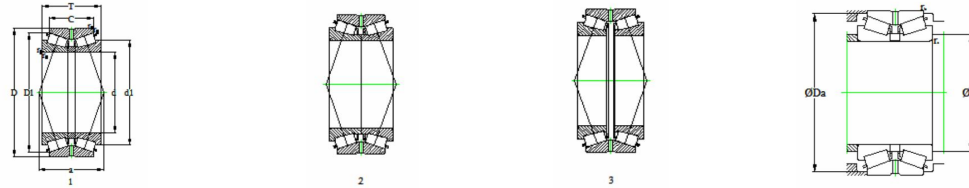
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
590	185	123	6	1	2400	5100	410	540	400TNA590-1		2	419	560	5	1	0.32	2.12	3.15	2.07	150	
600	148	132	6	2	2080	4250	410	540	400TDO301		1	450	579	5	2	0.37	1.8	2.7	1.8	135	
600	185	148	6	2	2710	5950	410	540	400TDO600-1		1	453	581	5	2	0.37	1.8	2.7	1.8	173	
600	195	148	6	2	3070	6430	410	540	400TDO600-2		1	428	560	5	2	0.32	2.12	3.15	2.07	177	
600	205	150	6	1.5	2830	6270	410	540	400TDO600-3		1	428	560	5	1.5	0.4	1.68	2.5	1.64	187	
600	206	150	6	1.5	2830	6270	410	540	351080		1	428	560	5	1.5	0.38	1.78	2.65	1.74	179	
650	200	178	6	3	3300	6750	410	540	400TDO650-1		1	458	622	5	2.5	0.39	1.7	2.6	1.7	253	
650	250	200	6	3	4200	9150	410	540	400TDO650-2		1	462	625	5	2.5	0.39	1.7	2.6	1.7	309	
650	255	200	6	3	4200	9150	360	480		1097780	1	462	625	5	2.5	0.41	1.66	2.47	1.63	279	
650	280	180	6	2.5	3800	8400	360	480	400TDO650-3		1	478	628	5	2	0.87	0.78	1.2	0.76	340	
820	295	180	7.5	4	5300	8950	360	480	400TDO820-1		1	498	775	6	3	0.61	1.1	1.7	1.1	638	
420	600	150	134	6	2	2240	4750	360	480	420TDO600-1		1	467	588	5	2	0.39	1.7	2.6	1.7	131
620	150	134	6	2	2240	4750	360	480	420TDO620-1		1	467	598	5	2	0.39	1.7	2.6	1.7	151	
620	188	150	6	2	2850	6450	360	480	420TDO620-2		1	471	600	5	2	0.39	1.7	2.6	1.7	184	
620	190	125	6	2	2060	4380	360	480	420TDO620-3		1	448	583	5	1.5	0.35	1.95	2.91	1.91	184	
620	205	150	6	2	2870	6160	360	480	420TDO620-4		1	448	585	5	1.5	0.4	1.68	2.5	1.64	180	
620	206	150	6	2	2870	6160	360	480	351084		1	448	585	5	1.5	0.41	1.64	2.44	1.6	191	
622.3	240	135	7.5	1.5	2720	6350	360	480	420TDO622-1A		1	493	610	6	1.5	1.3	0.54	0.8	0.52	232	
700	224	200	6	3	3950	8200	360	480	373184		1	486	670	5	2.5	0.32	2.12	3.15	2.07	382	
700	274	200	6	2.5	4650	9600	360	480	420TDO700-1		1	486	669	5	2	0.32	2.1	3.2	2.1	390	
700	275	200	6	2.5	4650	9600	360	480		1097784	1	486	669	5	2	0.32	2.12	3.15	2.07	376	
700	280	224	6	3	5150	11500	360	480	420TDO700-1		1	493	673	5	2.5	0.39	1.7	2.6	1.7	422	
440	650	157	140	6	3	2540	5600	360	480	440TDO650-1		1	493	628	5	2.5	0.37	1.8	2.7	1.8	175



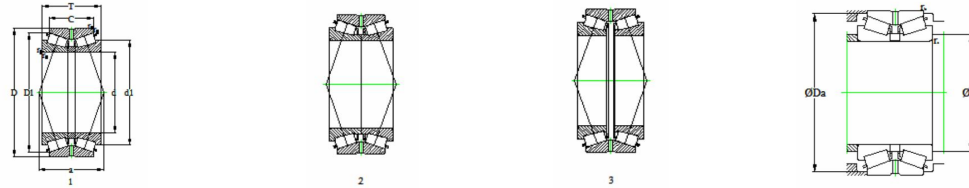
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
650	196	157	6	3	3500	7270	360	480	440TDO650-2		1	497	630	5	2.5	0.37	1.8	2.7	1.8	203	
650	211	152	6	2.5	3150	6900	360	480	440TDO650-3		1	468	615	5	2	0.43	1.57	2.34	1.53	211	
655	196	157	6	3	3100	7300	360	480	440TDO655-1		1	497	633	5	2.5	0.37	1.8	2.7	1.8	220	
720	226	201	6	3	4100	8500	340	460	440TDO720-1		1	505	691	5	2.5	0.39	1.7	2.6	1.7	355	
720	283	226	6	3	5300	11700	340	460	440TDO720-2		1	511	694	5	2.5	0.39	1.7	2.6	1.7	438	
457	537	170	135	6	2.5	1760	5250	320	400	457TDO537-11		1	493	561	5	2	0.4	1.7	2.5	1.7	91.8
460	620	169	131	5	1.5	2260	5450	320	400	460TDO620-1		1	501	605	4	1.5	0.4	1.7	2.5	1.6	132
	640	200	160	6	2.5	2350	6350	320	400	460TDO640-1		1	517	627	5	2	0.47	1.4	2.1	1.4	185
	680	163	145	6	3	2680	5900	320	400	460TDO680-1		1	515	657	5	2.5	0.4	1.7	2.5	1.6	199
	680	204	163	6	3	3400	7950	320	400	460TDO680-2		1	518	659	5	2.5	0.4	1.7	2.5	1.6	244
	680	229	175	6	3	3430	7390	320	400	460TDO680-3		1	488	645	5	2	0.32	2.12	3.15	2.07	251
	760	240	214	7.5	4	3650	7100	320	400	460TDO760-1		1	532	728	6	3	0.39	1.7	2.6	1.7	421
	760	300	240	7.5	4	5850	13100	320	400	460TDO760-2		1	538	732	6	3	0.39	1.7	2.6	1.7	522
480	615	120	94	3	1	1340	3400	360	480	480TDO615-1		1	514	600	2.5	1	0.35	1.9	2.9	1.9	80.5
	650	180	130	5	1.5	1980	5200	360	480		1097996	1	538	615	4	1.5	0.42	1.61	2.4	1.58	159
	700	165	147	6	3	2850	6150	300	380	480TDO700-1		1	534	678	5	2.5	0.39	1.7	2.6	1.7	207
	700	206	165	6	3	3550	8100	300	380	480TDO700-2		1	536	678	5	2.5	0.39	1.7	2.6	1.7	253
	700	275	200	6	3	4320	10300	300	380	480TDO700-3		1	508	676	5	2.5	0.55	1.24	1.84	1.21	350
	790	248	221	7.5	4	4800	10000	300	380	480TDO790-1		1	553	757	6	3	0.39	1.7	2.6	1.7	472
	790	310	248	7.5	4	6300	14100	300	380	480TDO790-2		1	559	760	6	3	0.39	1.7	2.6	1.7	579
490	640	179	144	7.5	2	2430	6480	320	400	490TDO640-1		1	526	615	6	2	0.37	1.8	2.69	1.76	139
500	670	180	130	5	2	2400	6100			3519/500/HC		1	522	637	4	2	0.4	1.7	2.5	1.6	157
	720	167	149	6	3	2730	6100			500TDO720-1		1	552	696	5	2.5	0.39	1.7	2.6	1.7	216



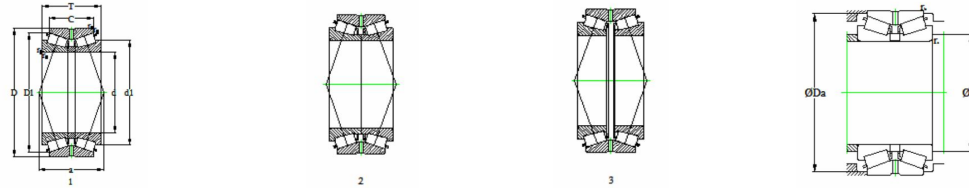
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
720	209	167	6	3	3600	8700				500TDO720-2		1	557	698	5	2.5	0.39	1.7	2.6	1.7	266
720	236	180	6	3	3600	8700					971/500		557	698	6	2	0.32	2.08	3.1	2.04	276
830	264	235	7.5	4	5400	11500				500TDO830-1		1	577	793	6	3	0.39	1.7	2.6	1.7	563
830	330	264	7.5	4	7000	16000				500TDO830-2		1	583	797	6	3	0.39	1.7	2.6	1.7	692
910	360	260	7.5	4	7300	14900				500TDO910-1		1	599	868	6	3	0.55	1.2	1.8	1.2	929
505	660	235	180	6	1.5	3250	9000			505TDO660-1		1	546	645	5	1.5	0.31	2.2	3.3	2.1	193
506	636	187	147	7	2	2360	7000			506TDO636-1		1	546	625	7	2	0.35	1.9	2.8	1.9	128
515	720	180	140	6	3	2730	6100			515TDO720-1		1	560	693	5	2.5	0.39	1.7	2.6	1.7	204
520	740	189	120	6	3	2580	5320			520TDO740-1		1	534	695	2	2.5	0.48	1.42	2.11	1.39	215
530	710	189	136	6	1.5	3100	7590			530TDO710-1		1	558	680	5	1.5	0.4	1.68	2.5	1.64	189
710	190	136	6	1.5	3100	7590					10979/530	1	558	680	5	1.5	0.4	1.68	2.5	1.64	190
780	185	163	6	3	3600	8200				530TDO780-1		1	589	752	5	2.5	0.37	1.8	2.7	1.8	295
780	231	185	6	3	4450	10700				530TDO780-2		1	593	754	5	2.5	0.37	1.8	2.7	1.8	362
870	272	239	7.5	4	5850	12500				530TDO870-1		1	610	834	6	3	0.39	1.7	2.6	1.7	620
870	340	272	7.5	4	7300	16600				530TDO870-2		1	614	836	6	3	0.39	1.7	2.6	1.7	771
540	850	300	200	7.5	4	5750	12500			540TDO850-1		1	623	824	6	3	0.65	1	1.5	1	575
560	735	225	180	6.4	1.5	3950	11200			560TDO735-1		1	608	719	6.4	1.5	0.35	1.9	2.9	1.9	244
740	190	140	6.4	1.5	3000	7800				560TDO740-1		1	606	720	6.4	1.5	0.34	2	2.9	1.9	200
750	212	156	6.4	1.5	3290	8250				560TDO750-1		1	588	720	6.4	1.5	0.43	1.57	2.34	1.53	234
820	195	173	6	3	3700	8650				560TDO820-1		1	622	790	5	2.5	0.39	1.7	2.6	1.7	342
820	244	195	6	3	4900	12400				560TDO820-2		1	627	793	5	2.5	0.39	1.7	2.6	1.7	423
920	280	246	7.5	4	6300	13400				560TDO920-1		1	643	881	6	3	0.39	1.7	2.6	1.7	724



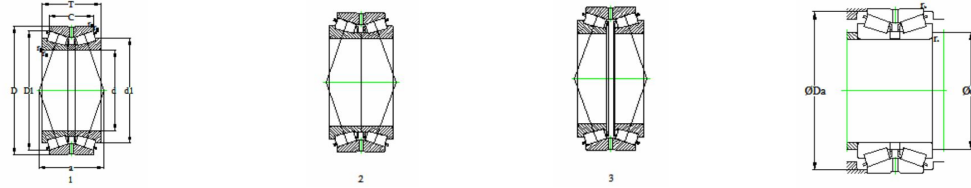
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
920	350	280	7.5	4	8100	18600				560TDO920-2		1	649	885	6	3	0.39	1.7	2.6	1.7	891
570	815	345	265	6	3	6850	18600			570TDO815-1		1	633	791	5	2.5	0.33	2	3	2	551
580	800	300	235	6	3	5900	15600			580TDO800-1		1	635	781	5	2.5	0.33	2.1	3.1	2	430
	900	300	200	7.5	4	5950	13400			580TDO900-1		1	667	873	6	3	0.7	0.97	1.4	0.94	634
590	780	255	178	5	2.5	3900	10500			590TDO780-1		1	612	754	4	2	0.39	1.7	2.6	1.7	291
	990	400	270	7.5	4	8600	19300			590TDO990-1		1	695	954	6	3	0.67	1	1.5	0.98	1140
600	800	205	156	5	1.5	3200	9400				3519/600	1	666	770	4	1.5	0.33	2.05	3.05	2	247
	870	200	176	6	3	4150	9650			600TDO870-1		1	666	841	5	2.5	0.39	1.7	2.6	1.7	387
	870	250	200	6	3	5350	13400			600TDO870-2		1	669	844	5	2.5	0.39	1.7	2.6	1.7	497
	870	269	198	6	3	5650	13500			600TDO870-3		1	628	830	5	2	0.4	1.68	2.5	1.64	494
	980	300	264	7.5	4	7350	16300			600TDO980-1		1	688	938	6	3	0.37	1.8	2.7	1.8	882
980	388	300	7.5	4	9700	23200			600TDO980-2		1	696	943	6	3	0.37	1.8	2.7	1.8	1120	
620	825	190	145	6	1.5	2860	7850			620TDO825-1		1	668	793	5	1.5	0.33	2.1	3.1	2	247
630	800	180	140	6	1.5	2960	8310			630TDO800-1		1	658	775	5	1.5	0.37	1.8	2.69	1.76	210
	920	212	186	7.5	4	4650	11100			630TDO920-1		1	702	887	6	3	0.36	1.9	2.8	1.8	464
	920	265	212	7.5	4	5850	15000			630TDO920-2		1	705	889	6	3	0.36	1.9	2.8	1.8	574
1030	315	277	7.5	4	8050	28000			630TDO1030-1		1	730	962	6	3	0.37	1.8	2.7	1.8	1000	
	389	315	7.5	4	10100	23000			630TDO1030-2		1	725	992	6	3	0.37	1.8	2.7	1.8	1230	
650	820	205	160	6	1	3450	10400			650TDO820-1		1	697	804	5	1	0.35	1.9	2.8	1.9	245
	920	210	185	5	2	4650	11100			650TDO920-1		1	709	889	4	2	0.36	1.9	2.8	1.8	428
660	830	180	140	6	2.5	3050	8700			660TDO830-1		1	705	813	5	2	0.39	1.7	2.6	1.7	213
670	880	185	130	5	2	3300	8550			670TDO880-1		1	721	857	4	2	0.45	1.5	2.2	1.5	278
	980	230	202	7.5	4	5300	12300			670TDO980-1		1	743	946	6	3	0.37	1.8	2.7	1.8	571



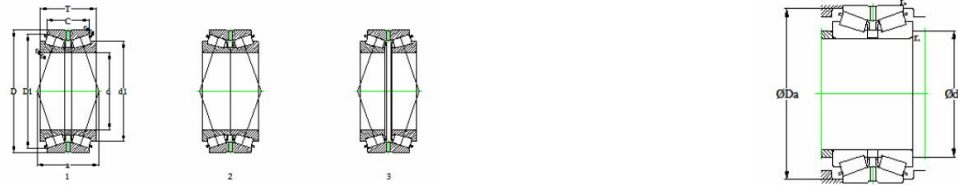
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
980	288	230	7.5	4	6900	16200				670TDO980-2		1	742	948	6	3	0.37	1.8	2.7	1.8	706
1090	336	295	7.5	4	8750	19600				670TDO1090-1		1	760	1037	6	3	0.37	1.8	2.7	1.8	1210
1090	392	336	7.5	4	10300	24300				670TDO1090-2		1	764	1042	6	3	0.37	1.8	2.7	1.8	1390
700	980	350	270	7.5	4	8200	22500			700TDO980-1		1	772	953	6	3	0.33	2	3	2	782
	980	350	270	7.5	4	8100	21300			700TDO980-2		1	736	950	6	3	0.39	1.74	2.59	1.7	763
1030	250	210	7.5	4	5250	12600				700TDO1030-1		1	786	1004	6	3	0.7	0.97	1.4	0.94	674
	280	210	7.5	4	6050	15100				700TDO1030-2		1	790	1004	6	3	0.7	0.97	1.4	0.94	749
1030	380	310	7.5	4	7850	19700				700TDO1030-3		1	784	998	6	3	0.35	1.9	2.8	1.9	1040
	348	240	7.5	4	8310	19700				700TDO1070-1		1	736	1010	6	3	0.55	1.24	1.84	1.21	1040
710	950	238.5	175	6	2.5	4600	11400			710TDO950-1		1	766	926	5	2	0.46	1.5	2.2	1.4	421
	950	240	175	6	2.5	4600	11400				10979/710	1	766	926	5	2	0.46	1.47	2.19	1.44	445
1030	236	208	7.5	4	57500	14000				710TDO1030-1		1	788	995	6	3	0.36	1.9	2.8	1.8	642
	295	236	7.5	4	7100	17200				710TDO1030-2		1	787	999	6	3	0.39	1.7	2.6	1.7	774
1150	345	303	9.5	5	9470	20100				710TDO1150-1		1	754	1092	8	4	0.39	1.74	2.59	1.7	1350
	393	345	9.5	5	10700	25000				710TDO1150-2		1	812	1103	8	4	0.37	1.8	2.7	1.8	1550
740	1110	340	270	7.5	4	9200	22100			740TDO1100-1		1	827	1072	6	3	0.33	2	3	2	1100
750	1090	250	220	7.5	4	6450	15300			750TDO1090-1		1	835	1030	6	3	0.37	1.8	2.7	1.8	749
	1090	313	250	7.5	4	8000	20000			750TDO1090-2		1	833	1055	6	3	0.37	1.8	2.7	1.8	931
1000	255	190	4	2.5	5400	15100				3519/750X2/HC		1	833	1065	3	2	0.45	1.5	2.24	1.47	535
	264	194	4	2.5	4900	15600				3519/750		1	833	1065	3	2	0.45	1.5	2.24	1.47	546
1220	365	321	9.5	5	10600	24000				750TDO1220-1		1	870	1140	8	4	0.37	1.8	2.7	1.8	1620
	395	365	9.5	5	12000	28200				750TDO1220-2		1	870	1155	8	4	0.37	1.8	2.7	1.8	1750
780	1150	330	210	7.5	4	7450	18500			780TDO1150-1		1	874	1109	6	3	0.67	1	1.5	0.98	1040



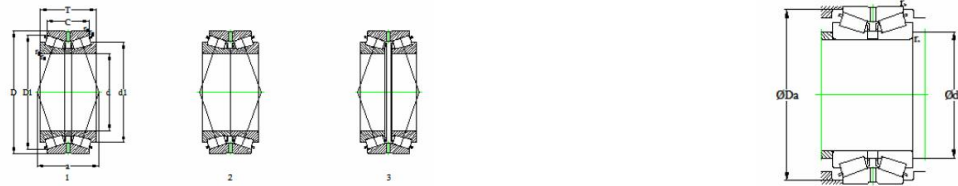
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
800	1060	270	204	6	2.5	6250	15200				10979/800	1	881	1040	5	2	0.35	1.93	2.87	1.88	606
	1150	258	227	7.5	4	6550	15700			800TDO1150-1		1	881	1113	6	3	0.39	1.7	2.6	1.7	843
	1150	323	258	7.5	4	8500	22700			800TDO1150-2		1	887	1113	6	3	0.37	1.8	2.7	1.8	1050
	1150	350	256	7.5	4	9350	24200			800TDO1150-3		1	836	1093	6	3	0.37	1.8	2.7	1.8	1119
	1280	375	330	9.5	5	11000	23800			800TDO1280-1		1	844	1207	8	4	0.39	1.74	2.59	1.7	1780
	1280	397	375	9.5	5	11800	26200			800TDO1280-2		1	844	1218	8	4	0.39	1.74	2.59	1.7	1910
850	1120	266	190	6	2.5	6340	17100			850TDO1120-1		1	878	1080	5	2	0.46	1.47	2.19	1.44	641
	1120	268	188	6	2.5	6340	17100			3519/850		1	878	1080	2	5	0.46	1.47	2.19	1.44	645
	1220	272	239	7.5	4	7450	18800			850TDO1220-1		1	945	1155	6	3	0.37	1.8	2.7	1.8	988
	1220	340	272	7.5	4	9850	25000			850TDO1220-1		1	937	1183	6	3	0.37	1.8	2.7	1.8	1240
	1250	360	235	7.5	4	8650	21300			850TDO1250-1		1	949	1209	6	3	0.65	1	1.5	1	1320
	1360	400	352	SP	12	12400	27300			850TDO1360-1		1	904	1284	SP	10	0.39	1.74	2.59	1.7	2170
	1360	500	400	SP	12	16000	37700			850TDO1360-2		1	904	1287	SP	10	0.39	1.74	2.59	1.7	2710
870	1120	210	155	6	2.5	4800	13100			870TDO1120-1		1	929	1092	5	2	0.4	1.7	2.5	1.7	484
880	1080	200	140	6	2.5	4100	12900			880TDO1080-1		1	935	1061	5	2	0.46	1.5	2.2	1.4	379
900	1180	275	205	6	2.5	6950	21300			3519/900	10979/900	1	995	1135	5	2	0.37	1.8	2.69	1.76	763
	1280	280	246	7.5	4	8150	20600			900TDO1280-1		1	995	1210	6	3	0.37	1.8	2.7	1.8	1110
	1280	350	280	7.5	4	10100	26300			900TDO1280-2		1	989	1240	6	3	0.39	1.7	2.6	1.7	1350
950	1250	272	174	7.5	4	6270	17500			950TDO1250-1		1	1010	1200	12	2.5	0.73	0.92	1.37	0.9	786
	1250	298	220	7.5	4	7660	21900			950TDO1250-2		1	986	1190	6	2.5	0.33	2.03	3.02	1.98	896
	1280	280	246	7.5	4	7600	19800			950TDO1280-1		1	1028	1250	6	3	0.4	1.7	2.5	1.6	971
	1360	300	264	7.5	4	9250	23700			950TDO1360-1		1	1055	1290	6	3	0.37	1.8	2.7	1.8	1360



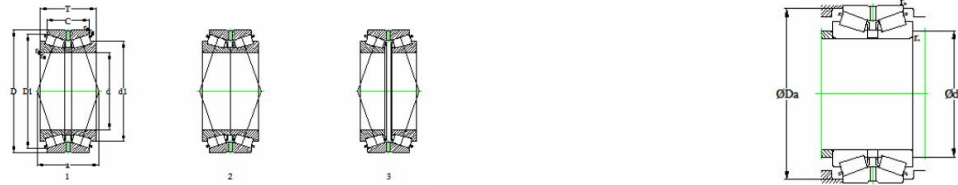
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	New	Old	design	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y ₀	Refer.
1360	375	300	7.5	4	11800	32500				950TDO1360-2		1	1055	1300	6	3	0.37	1.8	2.7	1.8	1700
1360	375	300	7.5	4	11600	29600				950TDO1360-3		1	986	1297	6	3	0.39	1.74	2.59	1.7	1670
1500	540	380	9.5	4	15500	44500				950TDO1500-1		1	1120	1467	8	3	0.8	0.84	1.3	0.82	3510
980	1200	150	100	6	2580	8350				980TDO1200-1		1	1046	1177	5	2.5	0.68	0.99	1.5	0.97	341
1000	1180	240	190	6	5100	19700				1000TDO1180-1		1	1047	1160	5	1.5	0.32	2.1	3.2	2.1	451
1040	1290	350	270	6	8850	30000				1040TDO1290-1		1	1068	1260	5	2	0.4	1.7	2.5	1.6	976
1050	1390	300	215	7.5	8550	24300				1050TDO1390-1		1	1132	1352	6	3	0.37	1.8	2.7	1.8	1140
	1390	350	280	7.5	10100	29600				1050TDO1390-2		1	1134	1357	6	3	0.35	1.9	2.9	1.9	1360
1115	1460	300	220	5	8200	24000				1115TDO1460-1		1	1137	1397	4	2	0.47	1.4	2.1	1.4	1255
1120	1360	250	180	7.5	6050	20700				1120TDO1360-1		1	1185	1335	6	3	0.49	1.4	2	1.3	718
	1480	400	296	12	12730	36100				1120TDO1480-1		1	1185	1452	10	3	0.44	1.5	2.3	1.4	1760
	1460	335	250	7.5	9000	29500				10979/1120		1	1185	1394	6	3	0.35	1.93	2.87	1.88	1350
1150	1420	250	200	7.5	6100	19900				1150TDO1420-1		1	1223	1394	6	3	0.47	1.4	2.1	1.4	808
1160	1540	400	290	12	13490	36100				1160TDO1540-1		1	1238	1464	10	3	0.44	1.5	2.3	1.4	1900
1180	1600	390	250	7.5	12300	33700				1180TDO1600-1		1	1216	1540	6	3	0.7	0.97	1.44	0.94	2220
1250	1500	250	190	6	7000	21280				1250TDO1500-1		1	1284	1460	5	1.5	0.35	1.9	2.9	1.8	795
1370	1605	210	150	7.5	5600	20300				1370TDO1605-1		1	1430	1575	6	3	0.4	1.7	2.5	1.6	688
1400	1850	360	260	9.5	12300	36000				1400TDO1850-1		1	1509	1800	8	4	0.52	1.3	1.9	1.3	2410
1450	1900	460	280	9.5	15000	48000				1450TDO1900-1		1	1582	1868	8	2	0.83	0.81	1.2	0.79	3240



Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
100	180.975	104.775	85.725	1.6	3.6	440	750	783/774D	1	123	171	3.6	1.6	0.39	1.8	2.6	1.7	10.6
101.6	161.925	82.548	61.912	0.8	3.6	310	570	52400/52637D	1	120	155	3.6	0.8	0.47	1.4	2.1	1.4	5.7
	168.275	92.075	69.85	0.8	3.6	380	685	687/672D	1	121	161	3.6	0.8	0.47	1.4	2.1	1.4	7.3
180	104.775	85.725	85.725	0.8	3.6	440	750	780/773D	1	124	171	3.6	0.8	0.39	1.8	2.6	1.7	10.2
	180.975	104.775	85.725	1.6	3.6	440	750	780/774D	1	124	171	3.6	1.6	0.39	1.8	2.6	1.7	10.4
190.5	127	101.6	1.6	8	605	1000	861/854D	1	130	180	8	1.6	0.33	2	3	2	14.4	
	190.5	127	104.775	1.6	8	665	1040	HH221449/HH221410D	1	131	183	8	1.6	0.33	2	3	2	14.3
200.025	115.888	80.216	2.3	3.6	540	850	98400/98789D	1	132	190	3.6	2.3	0.63	1.1	1.6	1	14.8	
	212.725	142.875	117.475	1.6	7	975	1620	HH224335/HH224310D	1	137	205	7	1.6	0.33	2.1	3.1	2	23.3
104.775	180	104.775	85.725	0.8	3.6	440	750	782/773D	1	125	171	3.6	0.8	0.39	1.8	2.6	1.7	9.7
	180.975	104.775	85.725	1.6	6.4	440	750	786/774D	1	128	171	6.4	1.6	0.39	1.8	2.6	1.7	9.9
	190.5	106.632	80.962	1.6	3.6	510	925	71412/71751D	1	131	182	3.6	1.6	0.42	1.6	2.4	1.6	12.2
106.362	165.1	82.55	63.5	0.8	3.6	335	645	56418/56650D	1	126	160	3.6	0.8	0.5	1.4	2	1.3	5.9
107.95	146.05	49.212	39.688	0.8	1.5	147	330	L521949/L521910D	1	120	141	1.5	0.8	0.39	1.7	2.6	1.7	2.2
	165.1	82.55	63.5	0.8	3.6	335	645	56425/56650D	1	127	160	3.6	0.8	0.5	1.4	2	1.3	5.7
	190.5	106.362	80.962	1.6	3.6	510	925	71425/71751D	1	133	182	3.6	1.6	0.42	1.6	2.4	1.6	11.8
212.725	142.875	117.475	1.6	8	975	1620	HH224340/HH224310D	1	142	205	8	1.6	0.33	2.1	3.1	2	22.1	
	234.95	111.125	82.55	1.6	6.4	610	840	EE342043/342091D	1	144	222	6.4	1.6	0.43	1.6	2.3	1.5	20
109.952	190.5	106.362	80.962	1.6	3.6	510	925	71432/71751D	1	134	182	3.6	1.6	0.42	1.6	2.4	1.6	11.5
	177.8	92.075	69.85	0.8	3.6	400	750	64433/64700D	1	132	173	3.6	0.8	0.52	1.3	1.9	1.3	8
111.125	190.5	106.362	80.962	1.6	3.6	510	925	71437/71751D	1	135	182	3.6	1.6	0.42	1.6	2.4	1.6	11.3
114.3	177.8	92.075	69.85	0.8	3.6	444	788	64450/64700D	1	135	173	3.6	0.8	0.52	1.3	1.9	1.3	7.75



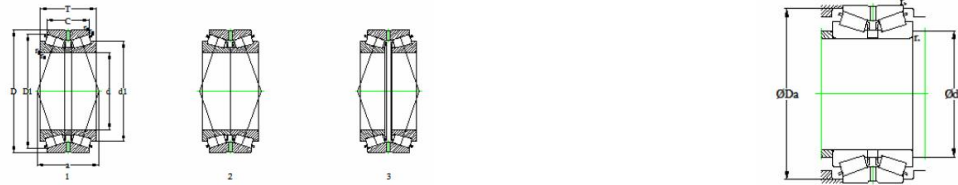
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
212.725	142.875	117.475	117.475	1.6	7	975	1620	HH224346/HH224310D	1	144	205	7	1.6	0.33	2.1	3.1	2	20.9
212.725	142.875	117.475	117.475	1.6	3.6	975	1620	HH224346NA/HH224310D	2	140	205	3.6	1.6	0.33	2.1	3.1	2	21
228.6	115.888	84.138	84.138	2.3	3.6	645	1060	HM926740/HM926710D	1	152	220	3.6	2.3	0.74	0.92	1.4	0.9	20.5
114.976	212.725	142.875	117.475	1.6	7	975	1620	HH224349/HH224310D	1	144	205	7	1.6	0.33	2.1	3.1	2	20.8
120	174.625	77.788	61.913	0.8	3.6	365	765	M224748/M224710D	1	137	169	3.6	0.8	0.33	2	3	2	5.8
120.65	174.625	77.788	61.913	0.8	3.6	365	765	M224749/M224710D	1	138	169	3.6	0.8	0.33	2	3	2	5.7
206.375	107.95	82.55	82.55	0.8	3.2	545	1060	795/792D	1	149	199	3.2	0.8	0.46	1.5	2.2	1.4	14
123.825	182.562	85.725	73.025	0.8	3.6	390	885	48286/48220D	1	143	177	3.6	0.8	0.31	2.2	3.3	2.2	7.4
124.943	234.95	142.875	114.3	1.6	6.4	875	1580	95491/95927D	1	162	226	6.4	1.6	0.37	1.8	2.7	1.8	25.7
127	169.975	58.738	49.213	1	1.6	225	501	L225849/L225812D	1	135.2	161.8	1.6	1	0.33	2.03	3.02	1.98	3.45
182.563	85.725	73.025	73.025	0.8	3.6	389	858	48291/48220D	1	139.2	173.2	3.6	0.8	0.31	2.21	3.29	2.16	6.99
196.85	101.6	85.725	85.725	0.8	3.6	535	1120	67388/67322D	1	150	192	3.6	0.8	0.34	2	2.9	1.9	11.1
196.85	107.95	92.075	92.075	0.8	3.6	534	1120	67388/67323D	1	139.2	188.8	3.6	0.8	0.34	1.96	2.92	1.92	11.4
200.025	101.6	85.725	85.725	0.8	3.6	535	1120	67388/67325D	1	150	193	3.6	0.8	0.34	2	2.9	1.9	11.7
206.375	107.95	82.55	82.55	0.8	3.6	558	1100	798/792D	1	139.2	194.1	3.6	0.8	0.46	1.47	2.19	1.44	13.2
215.9	106.362	80.962	80.962	1.6	3.6	495	985	74500/74851D	1	157	208	3.6	1.6	0.49	1.4	2.1	1.4	15
228.6	115.888	84.138	84.138	2.3	3.6	645	1060	HM926747/HM926710D	1	158	220	3.6	2.3	0.74	0.92	1.4	0.9	18.3
230	126	84	84	1.6	4	645	1060	127KDE2301	1	158	220	4	1.6	0.74	0.92	1.4	0.9	19.6
234.95	142.875	114.3	114.3	1.6	6.4	875	1580	95500/95927D	1	163	226	6.4	1.6	0.37	1.8	2.7	1.8	25.2
258.762	177.8	136.525	136.525	1.6	9.6	975	1600	EE153050/153103D	1	167	243	9.6	1.6	0.32	2.1	3.1	2.1	38
127.792	228.6	115.888	84.138	2.3	3.6	645	1060	HM926749/HM926710D	1	158	220	3.6	2.3	0.74	0.92	1.4	0.9	18.1



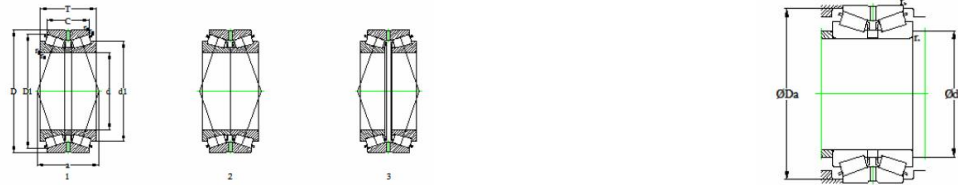
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
128.588	206.375	107.95	82.55	0.8	3.2	545	1060	799/792D	1	153	199	3.2	0.8	0.46	1.5	2.2	1.4	12.7
130.175	196.85	101.6	85.725	0.8	3.2	535	1120	67389/67322D	1	152	192	3.2	0.8	0.34	2	2.9	1.9	10.6
	200.025	101.6	85.725	0.8	3.2	535	1120	67389/67325D	1	152	192	3.2	0.8	0.34	2	2.9	1.9	11.2
	206.375	107.95	82.55	0.8	3.2	545	1060	799A/792D	1	154	199	3.2	0.8	0.46	1.5	2.2	1.4	12.4
133.35	177.008	57.15	47.625	0.8	1.5	213	515	L327249/L327210D	1	147	172	1.5	0.8	0.35	1.9	2.9	1.9	3.7
	177.008	60.325	47.625	0.8	1.5	241	557	L327248NA/L327210D	1	141.6	169	1.5	0.8	0.35	1.94	2.89	1.9	3.79
	190.5	85.725	73.025	0.8	3.6	370	880	48385/48320D	1	153	185	3.6	0.8	0.32	2.1	3.1	2.1	7.7
	196.85	101.6	85.725	0.8	3.6	535	1120	67390/67322D	1	153	192	3.6	0.8	0.34	2	2.9	1.9	10
	200.025	101.6	85.725	0.8	3.6	535	1120	67390/67325D	1	153	193	3.6	0.8	0.34	2	2.9	1.9	10.6
	215.9	106.362	80.962	1.6	3.6	495	985	74525/74851D	1	160	208	3.6	1.6	0.49	1.4	2.1	1.4	14
	234.95	142.875	114.3	1.6	9.6	875	1580	95525/95927D	1	169	226	9.6	1.6	0.37	1.8	2.7	1.8	23.8
136.525	190.5	85.725	73.025	0.8	3.6	370	880	48393/48320D	1	155	185	3.6	0.8	0.32	2.1	3.1	2.1	7.3
	215.9	106.362	80.962	1.6	3.6	495	985	74537/74851D	1	162	208	3.6	1.6	0.49	1.4	2.1	1.4	13.4
	228.6	123.825	98.425	1.6	3.6	650	1240	896/892D	1	163	219	3.6	1.6	0.42	1.6	2.4	1.6	18.7
	254	149.225	111.125	1.6	7.1	941	1830	99537/99102D	1	155.7	236.4	7.1	1.6	0.41	1.66	2.47	1.62	31.9
	254	152.4	114.3	1.6	7.1	885	1660	99537/99101D	1	178	245	7.1	1.6	0.41	1.7	2.5	1.6	31.2
139.7	215.9	106.362	80.962	1.6	3.6	495	985	74550/74851D	1	163	208	3.6	1.6	0.49	1.4	2.1	1.4	12.8
	222.25	75.692	53.975	2.3	3.6	325	535	73551/73876D	1	162	211	3.6	2.3	0.44	1.5	2.3	1.5	9.3
	228.6	123.825	98.425	1.6	3.6	753	1460	898/892D	1	151.9	214.2	3.6	1.6	0.42	1.6	2.39	1.57	18.5
	236.538	131.762	106.362	1.6	3.6	775	1440	HM231132/HM231111D	1	168	227	3.6	1.6	0.32	2.1	3.2	2.1	21
	241.3	131.762	106.362	1.6	3.6	775	1440	HM231132/HM231116D	1	168	230	3.6	1.6	0.32	2.1	3.2	2.1	22.6
	244.475	107.95	79.375	1.6	3.6	552	989	81550/81963D	1	151.9	226.5	3.6	1.6	0.35	1.93	2.88	1.89	18.8
	254	149.225	111.125	1.6	7	1026	1862	99550/99102D	1	179	245	7	1.6	0.4	1.7	2.5	1.6	31
	254	152.4	114.3	1.6	7	885	1660	99550/99101D	1	179	245	7	1.6	0.41	1.7	2.5	1.6	30.4

Double inner ring double row tapered roller bearings (Inch series)

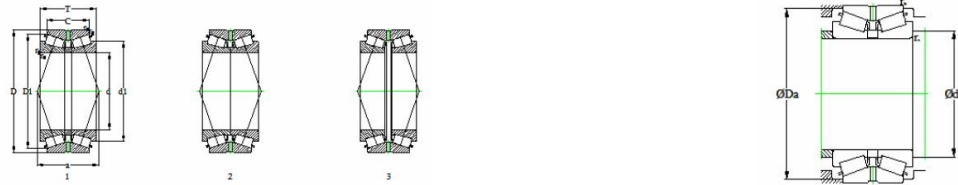
WNBZ



Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
268.288	160.338	125.413	97.633	1.6	6.4	1130	2090	EE107055/107105D	1	157.5	249	6.4	1.6	0.39	1.74	2.59	1.7	39.9
304.8	135.733	97.633	97.633	1.6	3.2	1030	1600	EE750558/751204D	1	151.1	267.5	3.2	1.6	0.33	2.03	3.02	1.98	44.7
307.975	200.025	155.575	146.05	1.6	3.2	1740	2780	HH234031/HH234011D	1	180	285	3.2	1.6	0.33	2.07	3.08	2.02	65.9
307.975	200.025	146.05	146.05	2.4	9.5	1360	2300	EE450551/451215D	1	163.7	274.9	9.5	2.4	0.33	2.07	3.09	2.03	66.2
142.875	200.025	87.315	73.025	0.8	8	390	915	48684/48620D	1	167	195	8	0.8	0.34	2	3	2	7.9
200.025	93.665	73.025	73.025	0.8	3.6	422	982	48686/48620D	1	155.1	190.1	3.6	0.8	0.34	2.01	2.99	1.96	8.43
236.538	131.763	106.363	106.362	1.6	3.6	856	1660	HM231136/HM231111D	1	155.1	222.7	3.6	1.6	0.32	2.12	3.15	2.07	21.8
241.3	131.762	106.362	106.362	1.6	3.6	685	1360	HM231136/HM231116D	1	171	230	3.6	1.6	0.44	1.5	2.3	1.5	22.4
146.05	193.675	65.085	53.975	0.8	1.5	303	660	36690/36620D	1	161	188	1.5	0.8	0.37	1.8	2.7	1.8	5
236.538	131.762	106.362	106.362	1.6	3.6	775	1440	HM231140/HM231111D	1	171	227	3.6	1.6	0.32	2.1	3.2	2.1	19.6
236.538	131.762	106.362	106.362	1.6	3.6	685	1360	82576/82932D	1	173	228	3.6	1.6	0.44	1.5	2.3	1.5	20.4
236.538	131.762	106.362	106.362	1.6	3.6	775	1440	HM231140NA/HM231111D	2	171	227	3.6	1.6	0.32	2.1	3.2	2.1	19.7
241.3	131.762	106.362	106.362	1.6	3.6	775	1440	HM231140/HM231116D	1	171	230	3.6	1.6	0.32	2.1	3.2	2.1	21.2
241.3	131.762	106.362	106.362	1.6	3.6	775	1440	HM231140NA/HM231116D	2	171	230	3.6	1.6	0.32	2.1	3.2	2.1	21.3
241.3	131.762	106.362	106.362	1.6	3.6	719	1460	82576/82951D	1	158.3	224.3	3.6	1.6	0.44	1.53	2.27	1.49	22.6
244.475	107.95	79.375	111.125	1.6	3.6	570	1020	81575/81963D	1	175	235	3.6	1.6	0.35	1.9	2.9	1.9	17.9
254	149.225	111.125	111.125	1.6	7	885	1660	99575/99102D	1	182	245	7	1.6	0.41	1.7	2.5	1.6	28
254	152.4	114.3	114.3	1.6	7	941	1830	99575/99101D	1	165.3	236.4	7	1.6	0.41	1.66	2.47	1.62	30
268.288	160.338	125.412	97.633	1.6	7	1040	1960	EE107057/107105D	1	184	256	7	1.6	0.39	1.7	2.6	1.7	36.5
304.8	135.733	97.633	97.633	1.6	3.2	1090	1560	EE750576/751204D	1	180	285	3.2	1.6	0.33	2	3	2	42.1
307.975	200.025	155.575	146.05	2.3	9.7	1510	2380	HH234040/HH234011D	1	194	294	9.7	2.3	0.33	2.1	3.1	2	61.6
307.975	200.025	146.05	146.05	2.3	9.7	1360	2300	EE450577/451215D	1	170.1	274.9	9.7	2.3	0.33	2.07	3.09	2.03	63.9
149.225	236.538	131.762	106.362	1.6	6.4	775	1440	HM231148/HM231111D	1	176	227	6.4	1.6	0.32	2.1	3.2	2.1	18.8

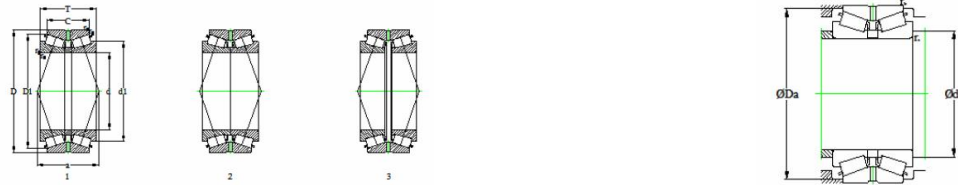


Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
236.538	131.762	106.362	106.362	1.6	3.6	775	1440	HM231149/HM231111D	1	173	227	3.6	1.6	0.32	2.1	3.2	2.1	18.8
236.538	131.762	106.362	106.362	1.6	3.6	685	1360	82587/82932D	1	175	228	3.6	1.6	0.44	1.5	2.3	1.5	19.7
236.538	131.762	106.362	106.362	1.6	3.6	775	1440	HM231149NA/HM231111D	2	173	227	3.6	1.6	0.32	2.1	3.2	2.1	18.9
236.538	131.762	106.362	106.362	1.6	6.4	856	1660	HM231148/HM231111D	1	167	222.7	6.4	1.6	0.32	2.12	3.15	2.07	20.2
236.538	131.762	106.362	106.362	1.6	3.6	856	1660	HM231149/HM231111D	1	161.4	222.7	3.6	1.6	0.32	2.12	3.15	2.07	20.3
236.538	131.762	106.362	106.362	1.6	3.6	719	1460	82587/82932D	1	161.4	224.3	3.6	1.6	0.44	1.53	2.27	1.49	20.4
241.3	131.762	106.362	106.362	1.6	3.6	775	1440	HM231149/HM231116D	1	173	230	3.6	1.6	0.32	2.1	3.2	2.1	20.4
241.3	131.762	106.362	106.362	1.6	3.6	685	1360	82587/82951D	1	175	230	3.6	1.6	0.44	1.5	2.3	1.5	21
241.3	131.762	106.362	106.362	1.6	3.6	775	1440	HM231149NA/HM231116D	2	173	230	3.6	1.6	0.32	2.1	3.2	2.1	20.5
241.3	131.762	106.362	106.362	1.6	6.4	856	1660	HM231148/HM231116D	1	167	222.7	6.4	1.6	0.32	2.12	3.15	2.07	21.7
241.3	131.762	106.362	106.362	1.6	3.6	856	1660	HM231149/HM231116D	1	161.4	222.7	3.6	1.6	0.32	2.12	3.15	2.07	21.8
254	149.225	111.125	111.125	1.6	6.4	885	1660	99587/99102D	1	184	245	6.4	1.6	0.41	1.7	2.5	1.6	27.4
254	152.4	114.3	114.3	1.6	6.4	941	1830	99587/99101D	1	168.4	236.4	6.4	1.6	0.41	1.66	2.47	1.62	29.1
150	244.475	107.95	79.375	1.6	3.6	552	989	81590/81963D	1	162.2	226.5	3.6	1.6	0.35	1.93	2.88	1.89	16.8
150.812	244.475	107.95	79.375	1.6	3.6	570	1020	81593/81963D	1	177	235	3.6	1.6	0.35	1.9	2.9	1.9	16.9
152.4	222.25	100.01	76.2	0.8	8	490	1060	M231648/M231610D	1	179	215	8	0.8	0.33	2	3	2	11.9
	222.25	100.01	76.2	0.8	3.6	575	1187	M231649/M231610D	1	175	215	3.6	0.8	0.33	2	3	2	12
	222.25	100.01	76.2	0.8	8	541	1190	M231648/M231610D	1	173.2	209.3	8	0.8	0.33	2.03	3.02	1.98	11.8
	222.25	100.01	76.2	0.8	3.6	541	1190	M231649/M231610D	1	164.6	209.3	3.6	0.8	0.33	2.03	3.02	1.98	11.9
	222.25	106.36	82.55	0.8	3.6	490	1060	M231649/M231611D	1	175	215	3.6	0.8	0.33	2	3	2	12.5
244.475	107.95	79.375	79.375	1.6	3.6	570	1020	81600/81693D	1	178	235	3.6	1.6	0.35	1.9	2.9	1.9	16.6



Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
254	149.225	111.125	111.125	1.6	7	885	1660	99600/99102D	1	185	245	7	1.6	0.41	1.7	2.5	1.6	26.5
254	152.4	114.3	114.3	1.6	7	885	1660	99600/99101D	1	185	245	7	1.6	0.41	1.7	2.5	1.6	27.1
268.288	160.338	125.412	125.412	1.6	7	1040	1960	EE107060/107105D	1	187	256	7	1.6	0.39	1.7	2.6	1.7	34.6
307.975	200.025	146.05	146.05	2.3	9.7	1280	2150	EE450601/451215D	1	199	289	9.7	2.3	0.33	2.1	3.1	2	60.1
307.975	200.025	155.575	155.575	2.3	9.7	1510	2380	HH234048/HH234011D	1	197	294	9.7	2.3	0.33	2.1	3.1	2	59.3
153.988	244.475	107.95	79.375	1.6	3.6	552	989	81606/81963D	1	166.2	226.5	3.6	1.6	0.35	1.93	2.88	1.89	16
158.75	225.425	85.725	69.85	0.8	3.6	410	1080	46780/46720D	1	183	219	3.6	0.8	0.38	1.8	2.6	1.7	11.1
	288.925	142.875	111.125	1.6	7	1050	1870	158KBE2851	1	201	278	7	1.6	0.32	2.1	3.2	2.1	37.3
	304.8	147.838	98.425	1.6	7	939	1600	EE280626/281201D	1	176.6	281.2	7	1.6	0.36	1.87	2.79	1.83	43
159.951	244.475	107.95	79.375	1.6	3.6	570	1020	81629/81963D	1	182	235	3.6	1.6	0.35	1.9	2.9	1.9	15.1
160.325	288.925	142.875	111.125	1.6	7	1050	1870	HM237532/HM237510D	1	202	278	7	1.6	0.32	2.1	3.2	2.1	36.8
	288.925	146.05	114.3	1.6	7	1080	190	HM237532/HM237511XD	1	179.5	270.2	7	1.6	0.32	2.12	3.15	2.07	37.9
161.925	374.65	184.15	130.175	1.6	7	1460	2180	EE117063/117148D	1	217	355	7	1.6	0.71	0.96	1.4	0.93	89.3
165.1	215.9	58.74	47.625	0.8	1.5	263	590	L433749/L433710D	1	180	210	1.5	0.8	0.36	1.9	2.8	1.8	5.3
	225.425	85.725	69.85	0.8	8	470	1121	46790/46720D	1	186	219	8	0.8	0.37	1.8	2.7	1.8	10
	225.425	85.725	69.85	0.8	3.6	442	1140	46790R/46720D	1	177.3	215	3.6	0.8	0.38	1.76	2.62	1.72	9.64
	247.65	103.188	84.138	0.8	3.6	595	1410	67780/67720D	1	194	241	3.6	0.8	0.44	1.5	2.3	1.5	17.2
	247.65	106.362	87.312	0.8	3.6	593	1400	67780/67721D	1	177.3	237.6	3.6	0.8	0.44	1.54	2.29	1.5	17.4
	254	101.6	76.2	1.6	4.8	635	1190	M235145/M235113D	1	191	244	4.8	1.6	0.32	2.1	3.2	2.1	16.4
	288.925	142.875	111.125	1.6	7	1050	1870	HM237535/HM237510D	1	204	278	7	1.6	0.32	2.1	3.2	2.1	35.4
	288.925	142.875	111.125	1.6	7	1111	2166	94649/94114D	1	206	277	7	1.6	0.46	1.5	2.2	1.4	38
	288.925	142.875	111.125	1.6	3.6	1080	1950	HM237536NA/HM237510D	1	177.3	270.2	3.6	1.6	0.32	2.12	3.15	2.07	36.1

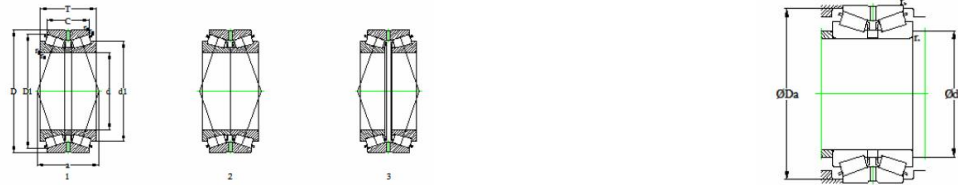
Double inner ring double row tapered roller bearings (Inch series)



Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
288.925	142.875	111.125	111.125	1.6	3.6	943	1920	94650/94114D	1	177.3	269.8	3.6	1.6	0.47	1.44	2.15	1.41	37.8
288.925	146.05	114.3	114.3	1.6	7	1050	1870	HM237535/HM237511D	1	204	278	7	1.6	0.32	2.1	3.2	2.1	36
298.45	142.875	111.125	111.125	1.6	7	943	1920	94649/94118D	1	184.3	269.8	7	1.6	0.47	1.44	2.15	1.41	41.5
298.45	142.875	111.125	111.125	1.6	3.6	943	1920	94650/94118D	1	177.3	269.8	3.6	1.6	0.47	1.44	2.15	1.41	41.6
347.662	146.05	107.95	107.95	1.6	9.7	1310	2010	EE618065/618136D	1	214	326	9.7	1.6	0.33	2	3	2	58.7
368.3	193.675	136.525	136.525	1.6	9.7	1500	2690	EE420651/421451D	1	234	353	9.7	1.6	0.42	1.6	2.4	1.6	93
165.496	225.425	95.25	69.85	0.8	3.6	442	1140	46790R/46720D	1	177.7	215	3.6	0.8	0.38	1.76	2.62	1.72	10.3
166.688	225.425	85.725	69.85	0.8	3.6	442	1140	46792R/46720D	1	178.9	215	3.6	0.8	0.38	1.76	2.62	1.72	9.37
168.275	247.65	103.188	84.138	0.8	3.6	595	1410	67782/67720D	1	195	241	3.6	0.8	0.44	1.5	2.3	1.5	16.5
	247.65	106.362	87.312	0.8	3.6	593	1400	67782/67721D	1	180.5	237.6	3.6	0.8	0.44	1.54	2.29	1.5	16.7
170	254	101.6	76.2	1.6	4.8	635	1190	M235149/M235113D	1	194	244	4.8	1.6	0.32	2.1	3.2	2.1	15.4
171.45	288.925	142.875	111.125	1.6	7	943	1920	94675/94114D	1	190.7	269.8	7	1.6	0.47	1.44	2.15	1.41	35.9
	298.45	142.875	111.125	1.6	7	943	1920	94675/94118D	1	190.7	269.8	7	1.6	0.47	1.44	2.15	1.41	39.6
174.625	247.65	103.188	84.138	0.8	3.6	595	1410	67787/67720D	1	199	241	3.6	0.8	0.44	1.5	2.3	1.5	15.1
	247.65	103.188	84.138	0.8	7.9	593	1400	67786/67720D	1	195.4	237.6	7.9	0.8	0.44	1.54	2.29	1.5	14.8
	247.65	106.362	87.312	0.8	7.9	593	1400	67786/67721D	1	195.4	237.6	7.9	0.8	0.44	1.54	2.29	1.5	15.2
	247.65	106.362	87.312	0.8	3.6	593	1400	67787/67721D	1	186.8	237.6	3.6	0.8	0.44	1.54	2.29	1.5	15.3
288.925	142.875	111.125	111.125	0.8	3.6	940	1900	94687/94114D	1	204	272	3.6	0.8	0.47	1.44	2.15	1.41	33.1
288.925	142.875	111.125	111.125	1.6	7	1080	1950	HM237542/HM237510D	1	193.8	270.2	7	1.6	0.32	2.12	3.15	2.07	33.1
288.925	142.875	111.125	111.125	1.6	7	943	1920	94687/94114D	1	193.8	269.8	7	1.6	0.47	1.44	2.15	1.41	34.9
288.925	146.05	114.3	114.3	1.6	7	1050	1870	HM237542/HM237511D	1	209	278	7	1.6	0.32	2.1	3.2	2.1	33.1

Double inner ring double row tapered roller bearings (Inch series)

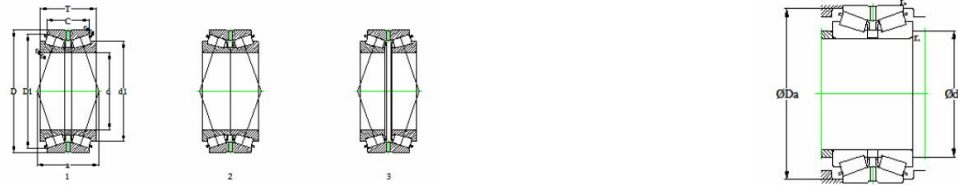
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Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
298.45	142.875	111.125	111.125	1.6	7	943	1920	94687/94118D	1	193.8	269.8	7	1.6	0.47	1.44	2.15	1.41	38.7
177.8	227.012	66.672	52.388	0.8	1.5	299	785	36990/36920D	1	193	222	1.5	0.8	0.44	1.5	2.3	1.5	6.4
	247.65	103.188	84.138	0.8	3.6	595	1410	67790/67720D	1	200	241	3.6	0.8	0.44	1.5	2.3	1.5	14.4
	247.65	103.188	84.138	0.8	10.4	595	1410	67991/67720D	1	207	241	10.4	0.8	0.44	1.5	2.3	1.5	14.2
	247.65	106.362	87.312	0.8	3.6	593	1400	67790/67721D	1	190	237.6	3.6	0.8	0.44	1.54	2.29	1.5	14.6
	247.65	106.362	87.312	0.8	10.4	593	1400	67791/67721D	1	203.6	237.6	10.4	0.8	0.44	1.54	2.29	1.5	14.4
	269.875	119.062	93.662	1.6	3.6	836	1805	M238840/M238810D	1	208	262	3.6	1.6	0.33	2	3	2	23
	282.575	107.95	79.375	1.6	3.6	702	1450	87700/87112D	1	190	266.3	3.6	1.6	0.42	1.62	2.42	1.59	23.8
	285.75	136.525	92.075	1.6	6.4	775	1450	EE91702/91113XD	1	210	274	6.4	1.6	0.43	1.6	2.3	1.5	28.7
	288.925	142.875	111.125	1.6	7	1050	1870	HM237545/HM237509D	1	210	278	7	1.6	0.32	2.1	3.2	2.1	31.7
	288.925	142.875	111.125	1.6	7	930	1880	94700/94114D	1	213	277	7	1.6	0.47	1.4	2.1	1.4	33.6
	288.925	142.875	111.125	1.6	5.6	1080	1950		1	194	270.2	5.6	1.6	0.32	2.12	3.15	2.07	32.2
	288.925	142.875	111.125	1.6	5.6	1050	1870	HM237545NA/HM237510D	2	209	278	5.6	1.6	0.32	2.1	3.2	2.1	31.9
	288.925	146.05	114.3	1.6	7	1050	1870	HM237545/HM237511D	1	210	278	7	1.6	0.32	2.1	3.2	2.1	32.2
	298.45	142.875	111.125	1.6	7	930	1880	94700/94118D	1	213	282	7	1.6	0.47	1.4	2.1	1.4	37.5
	304.8	147.838	98.425	1.6	6.4	939	1600	EE280702/281201D	1	195.6	281.2	6.4	1.6	0.36	1.87	2.79	1.83	37.2
	320.675	185.738	138.112	1.6	3.6	1470	2530	H239640/H239612D	1	215	309	3.6	1.6	0.32	2.1	3.2	2.1	55.6
	320.675	185.738	138.112	1.6	3.6	1270	2420	177KBE3251	1	218	309	3.6	1.6	0.49	1.4	2.1	1.4	58.9
	320.675	185.738	138.112	1.6	3.6	1280	2450	EE222070/222127D	1	190	297.9	3.6	1.6	0.4	1.68	2.5	1.64	59
	368.3	193.675	136.525	1.6	12.7	1500	2690	EE420701/421451D	1	243	353	12.7	1.6	0.42	1.6	2.4	1.6	87.6
179.972	317.5	146.05	111.125	1.6	3.6	990	2120	93708/93127D	1	224	306	3.6	1.6	0.52	1.3	1.9	1.3	46.9
	319.976	146.05	111.125	1.6	3.6	990	2120	93708/93128XD	1	224	307	3.6	1.6	0.52	1.3	1.9	1.3	49.1

Double inner ring double row tapered roller bearings (Inch series)

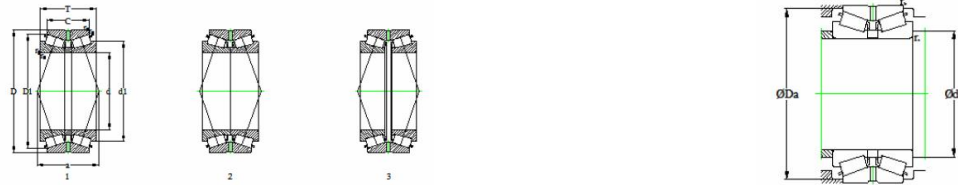
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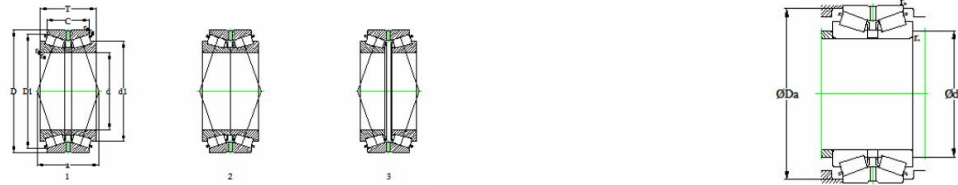
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
184.15	236.538	55.56	41.275	0.8	1.5	265	580	LL537649/LL537610D	1	199	230	1.5	0.8	0.37	1.8	2.7	1.8	5.5
	242.888	95.25	69.85	0.8	3.6	425	1200	LM637349NW/LM637310D	2	199	236	3.6	0.8	0.42	1.6	2.4	1.6	11.5
	266.7	103.188	84.138	0.8	3.6	590	1440	67883/67820D	1	212	260	3.6	0.8	0.48	1.4	2.1	1.4	18.4
187.325	266.7	103.188	84.138	0.8	3.6	614	1520	67884/67820D	1	199.5	256.5	3.6	0.8	0.48	1.41	2.11	1.38	18
	269.875	119.062	93.662	1.6	3.6	704	1610	M238849/M238810D	1	199.5	255	3.6	1.6	0.33	2.03	3.02	1.98	20.4
	282.575	107.95	79.375	1.6	3.6	702	1450	87737/87112D	1	199.5	266.3	3.6	1.6	0.42	1.62	2.42	1.59	21.4
	320.675	185.738	138.112	1.6	5.6	1470	2530	H239649/H239612D	1	222	309	5.6	1.6	0.32	2.1	3.2	2.1	51.6
	320.675	185.738	138.112	1.6	5.6	1280	2450	222075/222127D	1	203.5	297.9	5.6	1.6	0.4	1.68	2.5	1.64	55
	320.675	185.738	138.112	1.6	5.6	1470	2530	H239649NA/H239612D	2	222	309	5.6	1.6	0.32	2.1	3.2	2.1	51.8
190.5	266.7	103.188	84.138	0.8	3.6	590	1440	67885/67820D	1	215	260	3.6	0.8	0.48	1.4	2.1	1.4	16.9
	282.575	107.95	79.375	1.6	3.6	615	1200	87750/87112D	1	217	273	3.6	1.6	0.42	1.6	2.4	1.6	20.2
	317.5	146.05	111.125	1.6	4.3	990	2120	93750/93127D	1	231	306	4.3	1.6	0.52	1.3	1.9	1.3	43.7
	319.977	146.05	111.125	1.6	4.3	1040	2270	93750/93128XD	1	204.1	294.5	4.3	1.6	0.52	1.29	1.92	1.26	44.8
	368.3	193.675	136.525	1.6	6.4	1610	2920	EE420751/421451D	1	208.3	334	6.4	1.6	0.4	1.68	2.5	1.64	85.2
192.088	266.7	103.188	84.138	0.8	10.4	614	1520	67887/67820D	1	217.9	256.5	10.4	0.8	0.48	1.41	2.11	1.38	16.6
193.675	282.575	107.95	79.375	1.6	3.6	702	1450	87762/87112D	1	205.9	266.3	3.6	1.6	0.42	1.62	2.42	1.59	19.8
196.85	254	61.91	47.625	0.8	1.5	305	715	L540049/L540010D	1	213	247	1.5	0.8	0.4	1.7	2.5	1.7	7.4
	257.175	85.725	66.675	0.8	3.6	459	1260	LM739749/LM739710D	1	209.1	247	3.6	0.8	0.45	1.51	2.25	1.48	11.2
	317.5	146.05	111.125	1.6	4.3	990	2120	93775/93127D	1	234	306	4.3	1.6	0.52	1.3	1.9	1.3	41.5
	319.977	146.05	111.125	1.6	4.3	1040	2270	93775/93128XD	1	210.5	294.5	4.3	1.6	0.52	1.29	1.92	1.26	42.6
200.025	292.1	125.415	101.6	1.6	4.3	915	2070	M241543/M241510D	1	219	279	4.3	1.6	0.33	1.03	3.02	1.98	24.8
	317.5	146.05	111.125	1.6	4.3	1040	2270	93787/93127D	1	214.6	294.5	4.3	1.6	0.52	1.29	1.92	1.26	40.5
	319.977	146.05	111.125	1.6	4.3	1040	2270	93787/93128XD	1	214.6	294.5	4.3	1.6	0.52	1.29	1.92	1.26	41.5

Double inner ring double row tapered roller bearings (Inch series)

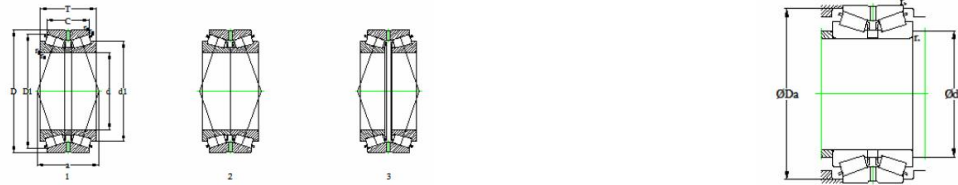
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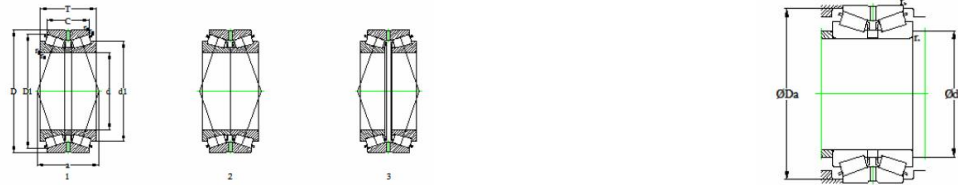
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
333.375	149.225	114.3	1.6	6.4	1210	240	HM743337/HM743310D	1	218.8	315.5	6.4	1.6	0.44	1.54	2.29	1.5	49.4	
355.6	152.4	111.125	1.6	6.4	1190	2470	EE130787/131401D	1	250	340	6.4	1.6	0.33	3	0.33	2	60.3	
355.6	158.75	117.475	0.8	6.8	1190	2470	EE130787/131402D	1	250	341	6.8	0.8	0.33	3	0.33	2	62.4	
384.175	238.125	193.675	1.6	6.4	2090	4450	H247535/H247510D	1	258	369	6.4	1.6	0.33	3	0.33	2	122	
317.5	146.05	111.125	1.6	4.3	1110	2280	93787/93127D	1	225	300	4.3	1.6	0.52	1.3	1.9	1.3	41.5	
201.612	368.3	193.675	136.525	1.6	4.3	1500	2690	EE420793/421451D	1	246	353	4.3	1.6	0.42	2.4	0.42	1.6	77.2
203.2	276.225	90.485	73.025	0.8	3.6	580	1240	LM241149/LM241110D	1	224	269	3.6	0.8	0.32	3.2	0.32	2.1	13.9
276.225	95.25	73.025	0.8	3.6	580	1240	LM241149NW/LM241110D	2	226	269	3.6	0.8	0.32	2.1	3.2	2.1	14.7	
282.575	101.6	82.55	0.8	3.6	598	1410	67983/67920D	1	216.4	271.5	3.6	0.8	0.51	1.33	1.97	1.3	18.3	
282.575	107.95	88.9	0.8	3.6	598	1410	67983/67921D	1	216.4	271.5	3.6	0.8	0.51	1.33	1.97	1.3	19.3	
292.1	125.415	101.6	1.6	3.6	930	2100	M241547/M241510D	1	229	283	3.6	1.6	0.33	3	0.33	2	25.7	
317.5	120.65	88.9	1.6	6.4	753	1450	132083/132126D	1	222	292.3	6.4	1.6	0.31	2.15	3.21	2.11	30.9	
317.5	127	88.9	1.6	4	790	1450	EE132083/132126D	1	232	302	4	1.6	0.31	3.2	0.31	2.1	30.6	
317.5	146.05	111.125	1.6	4	990	2120	93800/93127D	1	237	306	4	1.6	0.52	1.9	0.52	1.3	39	
317.5	146.05	111.125	1.6	7.9	1040	2270	93800A/93127D	1	225	294.5	7.9	1.6	0.52	1.29	1.92	1.26	39.2	
319.976	146.05	111.125	1.6	4.3	990	2120	93800/93128D	1	237	307	4.3	1.6	0.52	1.9	0.52	1.3	40.5	
368.3	193.675	136.525	1.6	3.2	1500	2690	EE420801/421451D	1	246	353	3.2	1.6	0.42	2.4	0.42	1.6	76.4	
371.475	193.675	136.525	1.6	3.2	1610	2920	EE420801/421462XD	1	215.6	334	3.2	1.6	0.4	1.68	2.5	1.64	81.3	
406.4	196.85	127	3.2	6.4	1600	2610	EE114080/114161D	1	260	386	6.4	3.2	0.79	0.85	1.3	0.83	102	
203.238	406.4	196.85	127	3.2	6.4	1630	2920	EE114081/114161D	1	222	367.5	6.4	3.2	0.79	0.85	1.27	0.83	105
292.1	125.415	101.6	1.6	3.6	934	2050	M241549/M241510D	1	218	277.7	3.6	1.6	0.33	2.03	3.02	1.98	24.4	
317.5	146.05	111.125	1.6	4.3	1040	2270	93806A/93127D	1	219.4	294.5	4.3	1.6	0.52	1.29	1.92	1.26	38.8	



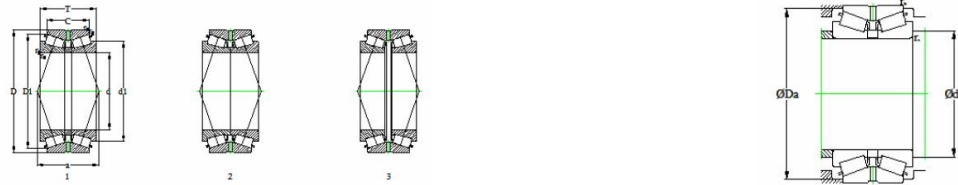
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
319.977	146.05	111.125	1.6	4.3	1040	2270	93806A/93128XD	1	219.4	294.5	4.3	1.6	0.52	1.29	1.92	1.26	39.8	
206.375	282.575	101.6	82.55	0.8	3.6	630	1600	67985/67920D	1	231	276	3.6	0.8	0.51	2	0.51	1.3	18.2
	282.575	107.95	88.9	0.8	3.6	598	1410	67985/67921D	1	219.6	271.5	3.6	0.8	0.51	1.33	1.97	1.3	18.4
317.5	127	88.9	1.6	4	790	1450	EE132084/132126D	1	234	302	4	1.6	0.31	3.2	0.31	2.1	29.6	
	336.55	211.138	169.862	1.6	3.2	2014	4085	H242649/H242610D	1	242	325	3.2	1.6	0.33	2	3	2	70
209.55	282.575	101.6	82.55	0.8	3.6	598	1410	67989/67920D	1	222.8	271.5	3.6	0.8	0.51	1.33	1.97	1.3	16.7
	317.5	146.05	111.125	1.6	4.3	990	2120	93825/93127D	1	240	306	4.3	1.6	0.52	1.3	1.9	1.3	37.1
317.5	146.05	111.125	1.6	12.7	1040	2270	93825A/93127D	1	241	294.5	12.7	1.6	0.52	1.29	1.92	1.26	36.7	
	333.375	149.225	114.3	1.6	6.4	1180	2380	HM743345/HM743310D	1	247	322	6.4	1.6	0.44	1.5	2.3	1.5	45.3
355.6	152.4	111.125	1.6	7.1	1130	2630	96825/96140D	1	229.8	331.4	7.1	1.6	0.59	1.14	1.7	1.12	60	
	212.725	285.75	98.425	76.2	0.8	3.6	600	1510	LM742745/LM742710D	1	237	280	3.6	0.8	0.48	1.4	2.1	1.4
288.925	98.425	76.2	0.8	3.6	611	1560	LM742745/LM742714D	1	225.9	276.4	3.6	0.8	0.48	1.4	2.09	1.37	17.6	
	215.9	285.75	98.425	76.2	0.8	3.6	611	1560	LM742749/LM742710D	1	229.1	276.4	3.6	0.8	0.48	1.4	2.09	1.37
287.338		69.85	50.8	0.8	3.6	396	945	543085/543115D	1	229.1	272.4	3.6	0.8	0.38	1.76	2.62	1.72	11.4
	288.925	98.425	76.2	0.8	3.6	611	1560	LM742749/LM742714D	1	229.1	276.4	3.6	0.8	0.48	1.4	2.09	1.37	16.8
355.6		152.4	111.125	1.6	6.8	1250	2610	EE130851/131401D	1	235.3	330	6.8	1.6	0.33	2.04	3.04	2	55.7
	355.6	158.75	117.475	0.8	6.8	1250	2610	EE130851/131402D	1	235.3	330	6.8	0.8	0.33	2.04	3.04	2	57.6
406.4		195.262	147.638	1.6	6.4	2040	3600	EE820085/820161D	1	267	389	6.4	1.6	0.39	1.7	2.5	1.7	101
	219.075	358.775	196.85	181.44	1.6	6.4	1660	3590		1	237.9	337.2	6.4	1.6	0.33	2.03	3.02	1.98
219.969	287.338	69.85	50.8	0.8	3.6	396	94	543086/543115D	1	233.2	272.4	3.6	0.8	0.38	1.76	2.62	1.72	10.6
220.662	314.325	131.762	106.362	1.6	6.4	1020	2390	M244249/M244210D	1	250	305	6.4	1.6	0.33	2	3	2	30.9



Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
225.425	355.6	152.4	111.125	1.6	6.8	1190	2470	EE130889/131401D	1	263	340	6.8	1.6	0.33	2	3	2	50.2
	355.6	158.75	117.475	0.8	6.7	1250	2610	EE130889/131402D	1	244.8	330	6.7	0.8	0.33	2.04	3.04	2	53.6
	400.05	187.325	136.525	1.6	1.5	1620	3000	EE430888/431576D	1	266	379	1.5	1.6	0.44	1.5	2.3	1.5	88
228.397	431.8	196.85	111.125	3.2	6.4	1520	2640	EE113089/113171D	1	287	410	6.4	3.2	0.88	0.77	1.1	0.75	105
228.46	431.8	196.85	111.125	3.2	6.4	1700	2890	EE113091/113171D	1	247.3	396.8	6.4	3.2	0.88	0.76	1.14	0.75	111
228.6	327.025	114.3	82.55	1.6	6.4	800	2014	8573/8520D	1	261	316	6.4	1.6	0.4	1.7	2.5	1.6	30
	328.625	114.3	82.55	1.6	6.4	802	1860	8573/8522D	1	247.4	309.8	6.4	1.6	0.41	1.66	2.47	1.62	28.8
	355.6	146.05	111.125	1.6	6.4	1250	2610	130902/131401D	1	247.4	330	6.4	1.6	0.33	2.04	3.04	2	49.4
	355.6	152.4	111.125	1.6	7	1190	2470	EE130902/131401D	1	265	340	7	1.6	0.33	2	3	2	48.8
	355.6	152.4	111.125	1.6	7	1030	2340	96900/96140D	1	270	342	7	1.6	0.59	1.1	1.7	1.1	51
	355.6	152.4	114.3	1.6	6.4	1310	2590	HM746646/HM746610D	1	266	345	6.4	1.6	0.47	1.4	2.1	1.4	49.1
	355.6	152.4	111.125	1.6	7	1250	2610	EE130902/131401D	1	248	330	7	1.6	0.33	2.04	3.04	2	50.4
	355.6	152.4	111.125	1.6	7	1130	2630	96900/96140D	1	248.8	331.4	7	1.6	0.59	1.14	1.7	1.12	52.3
	355.6	158.75	117.475	0.8	6.8	1190	2470	EE130902/131402D	1	265	341	6.8	0.8	0.33	2	3	2	50.4
	358.775	152.4	117.475	1.6	3.6	1463	3372	M249732/M249710D	1	256	343	3.6	1.6	0.33	2	3	2	57
	400.05	17.325	136.525	1.6	19.8	1690	3210	EE430902/431576D	1	274.2	363.1	19.8	1.6	0.44	1.54	2.29	1.5	86.7
	400.05	187.325	136.525	1.6	10.4	1620	3000	EE430900/431576D	1	277	379	10.4	1.6	0.44	1.5	2.3	1.5	86.1
	425.45	209.55	158.75	1.6	7	2200	4000	EE700091/700168D	1	281	406	7	1.6	0.33	2	3	2	118
	488.95	254	152.4	1.6	6.4	2774	4275	HH949549/HH949510D	1	307	470	6.4	1.6	0.94	0.7	1.1	0.7	205
231.775	358.775	152.4	117.475	1.6	6.4	1330	3170	M249734/M249710D	1	250.6	342.1	6.4	1.6	0.33	2.03	3.02	1.98	55
234.95	311.15	98.425	73.025	0.8	3.6	640	1610	LM446349/LM446310D	1	259	304	3.6	0.8	0.36	1.9	2.8	1.8	18.8
	311.15	101.6	73.025	0.8	3.6	640	1610	LM446349NW/LM446310D	2	259	304	3.6	0.8	0.36	1.9	2.8	1.8	19.3



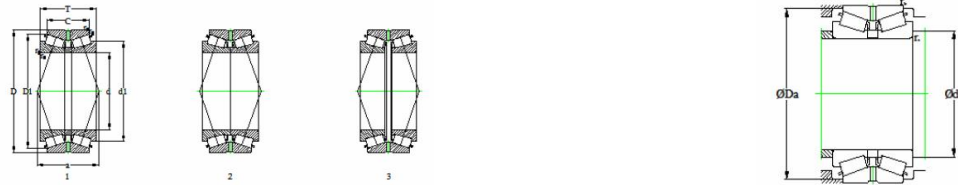
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
	327.025	114.3	82.55	1.6	6.4	805	1880	8575/8520D	1	264	316	6.4	1.6	0.41	1.7	2.5	1.6	26.1
	328.625	114.3	82.55	1.6	6.4	802	1860	8575/8522D	1	253.8	309.8	6.4	1.6	0.41	1.66	2.47	1.62	26.7
	355.6	152.4	111.125	1.6	7	1030	2340	96925/96140D	1	273	342	7	1.6	0.59	1.1	1.7	1.1	48.3
	384.175	238.125	193.675	1.6	6.4	2090	4450	H247549/H247510D	1	276	369	6.4	1.6	0.33	2	3	2	99.7
237.33	358.775	152.4	117.475	1.6	6.4	1330	3170	M249736/M249710D	1	256.1	342.1	6.4	1.6	0.33	2	3	2	52.6
241.3	327.025	114.3	82.55	1.6	6.4	805	1880	8578/8520D	1	267	316	6.4	1.6	0.41	1.7	2.5	1.6	23.9
	328.625	114.3	82.55	1.6	6.4	802	1860	8578/8522D	1	260.1	309.8	6.4	1.6	0.41	1.66	2.47	1.62	24.6
	349.148	127	101.6	1.6	6.4	950	2050	EE127095/127136D	1	260.1	329.6	6.4	1.6	0.35	1.91	2.84	1.86	36.4
	350.838	127	101.6	1.6	6.4	980	2130	EE127095/127137D	1	274	338	6.4	1.6	0.35	1.9	2.8	1.9	36.9
	355.498	127	101.6	1.6	6.4	980	2130	EE127095/127139D	1	274	341	6.4	1.6	0.35	1.9	2.8	1.9	38.9
	368.3	120.65	85.725	1.6	6.4	870	1850	EE170950/171451D	1	260.1	335.8	6.4	1.6	0.36	1.86	2.77	1.82	41.7
	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275095/275156D	1	293	382	6.4	1.6	0.4	1.7	2.5	1.6	68
	406.4	155.58	107.95	1.6	6.4	1200	2570	EE275095/275161D	1	293	389	6.4	1.6	0.4	1.7	2.5	1.6	74.2
	406.4	215.9	184.15	1.6	6.4	2220	4450	H249148/H249111D	1	287	392	6.4	1.6	0.33	2	3	2	105
	444.5	209.55	158.75	1.6	6.4	2410	4500	EE923095/923176D	1	295	423	6.4	1.6	0.34	2	3	2	133
	488.95	254	196.85	1.6	6.4	2950	5700	EE295950/295192D	1	315	469	6.4	1.6	0.31	2.2	3.2	2.1	207
244.475	349.148	133.35	101.6	1.6	6.4	950	2050	EE127096/127136D	1	263.3	329.6	6.4	1.6	0.35	1.91	2.84	1.86	36.3
	380.898	171.45	127	1.6	6.4	1350	2930	EE126097/126149D	1	263.3	356.4	6.4	1.6	0.52	1.31	1.95	1.28	65.9
	381	171.45	127	1.6	6.4	1410	3100	EE126097/126151D	1	286	367	6.4	1.6	0.52	1.3	1.9	1.3	65.1
247.65	368.3	120.65	85.725	1.6	6.4	870	1850	EE170975/171451D	1	266.5	335.8	6.4	1.6	0.36	1.86	2.77	1.82	39.4
	406.4	247.65	203.2	1.6	6.4	2770	6250	HH249949/HH249910D	1	266.5	382.5	6.4	1.6	0.33	2.03	3.02	1.98	123
249.25	380.898	171.45	127	1.6	6.4	1350	2930	EE126098/126149D	1	268.1	356.4	6.4	1.6	0.52	1.31	1.95	1.28	63.5
	381	171.45	127	1.6	6.4	1410	3100	EE126098/126151D	1	288	367	6.4	1.6	0.52	1.3	1.9	1.3	62.6



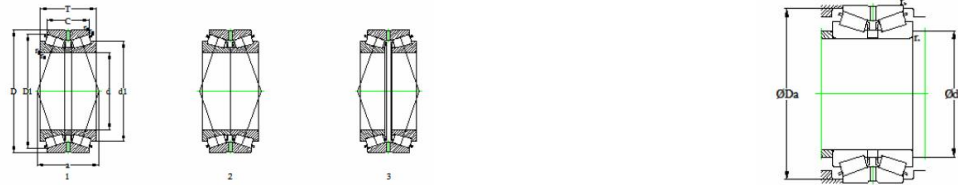
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
254	323.85	63.5	50.8	0.8	1.5	263	760	29875/29820D	1	276	315	1.5	0.8	0.35	1.9	2.9	1.9	12.4
	347.662	95.25	69.85	1.6	3.6	755	1610	LM249748/LM249710D	1	278	336	3.6	1.6	0.33	2	3	2	23.1
	347.662	101.6	69.85	1.6	3.6	780	1760	LM249747NW/LM249710D	2	285	338	3.6	1.6	0.33	2	3	2	25.3
	358.775	152.4	117.475	1.6	3.6	1300	3100	M249749/M249710D	1	284	348	3.6	1.6	0.33	2	3	2	44.6
	365.125	130.175	98.425	1.6	6.4	990	2200	EE134100/134144D	1	289	354	6.4	1.6	0.37	1.8	2.7	1.8	39.8
	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275100/275156D	1	299	382	6.4	1.6	0.4	1.7	2.5	1.6	61.9
	406.4	155.575	107.95	1.6	6.4	1270	3090	EE275100/275161D	1	272.8	377.8	6.4	1.6	0.4	1.68	2.5	1.64	73.4
	422.275	173.038	128.588	1.6	6.8	1950	3700	HM252343/HM252311D	1	301	408	6.8	1.6	0.33	2	3	2	86.6
	422.275	173.038	128.588	1.6	1.6	1730	3360	HM252349NA/HM252311D	1	263.2	397.9	1.6	1.6	0.33	2.03	3.02	1.98	87.3
	422.275	173.038	128.588	1.6	6.4	1950	3700	HM252344/HM252311D	2	301	408	6.4	1.6	0.33	2	3	2	86.8
	422.275	178.592	139.7	1.6	6.8	2128	3847	HM252343/HM252310D	1	301	408	6.8	1.6	0.33	2	3	2	97.5
	422.91	178.592	139.7	1.6	6.8	1730	3360	HM252343/HM252312D	1	273.4	399.1	6.8	1.6	0.33	2.03	3.02	1.98	90.3
	431.724	173.038	128.588	1.6	6.8	1730	3360	HM252343/HM252315D	1	273.4	397.9	6.8	1.6	0.33	2.03	3.02	1.98	93.3
	431.724	173.038	128.588	1.6	6.4	1680	3420	551002/551701D	1	272.8	388.3	6.4	1.6	0.33	2.03	3.02	1.98	93
	431.724	173.038	128.588	1.6	6.4	1950	3700	HM252343NA/HM252315D	2	301	413	6.4	1.6	0.33	2	3	2	93.4
	444.5	165.1	114.3	1.6	6.4	1470	2770	EE822100/822176D	1	272.8	406.2	6.4	1.6	0.42	1.62	2.42	1.59	93.9
	495.3	162.245	120.65	1.6	6.4	1750	3220	EE941002/941951XD	1	272.8	455.7	6.4	1.6	0.4	1.68	2.5	1.64	135
	495.3	168.595	127	1.6	6.4	1750	3220	EE941002/941953D	1	272.8	455.7	6.4	1.6	0.4	1.68	2.5	1.64	139
	533.4	276.225	165.1	1.6	6.4	3296	5225	HH953749/HH953710D	1	332	511	6.4	1.6	0.94	0.7	1.1	0.7	260
	258.763	400.05	155.575	1.6	9.5	1300	2570	EE221018/221576D	1	283.8	371.2	9.5	1.6	0.39	1.71	2.54	1.67	59.2
	260.35	365.125	130.175	1.6	6.4	990	2200	EE134102/134144D	1	293	354	6.4	1.6	0.37	1.8	2.7	1.8	37.2

Double inner ring double row tapered roller bearings (Inch series)

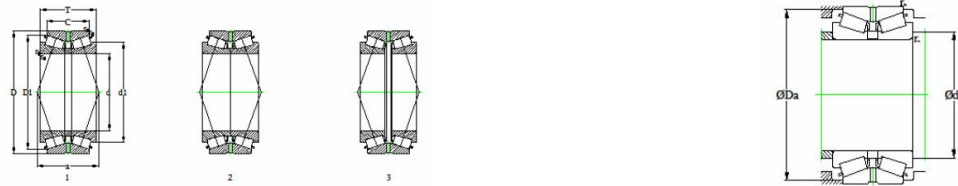
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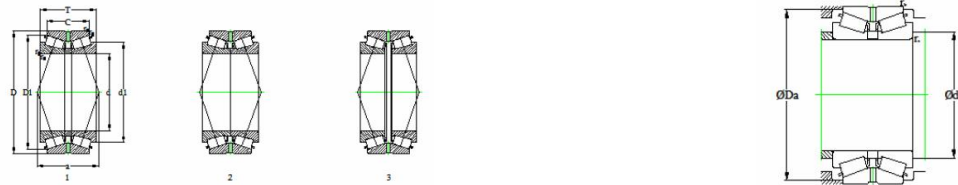
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
400.05	146.05	107.95	107.95	1.6	6.4	1300	2570	221026/221576D	1	279.2	371.2	6.4	1.6	0.39	1.71	2.54	1.67	56.7
400.05	155.575	107.95	107.95	1.6	9.7	1260	2440	EE221026/221576D	1	300	383	9.7	1.6	0.39	1.7	2.5	1.7	58.3
406.4	149.225	117.475	117.475	1.6	3.2	1290	2870	EE128102/128160D	1	302	391	3.2	1.6	0.39	1.8	2.6	1.7	66.8
419.1	184.15	136.525	136.525	1.6	3.2	1580	3250	EE435102/435165D	1	295	395	3.2	1.6	0.61	1.11	1.66	1.09	86.8
422.275	173.038	128.588	128.588	1.6	6.8	1950	3700	HM252349/HM252311D	1	304	408	6.8	1.6	0.33	2	3	2	83.1
422.275	178.592	139.7	139.7	1.6	6.8	2128	3847	HM252349/HM252310D	1	304	408	6.8	1.6	0.33	2	3	2	86.5
422.275	178.598	139.7	139.7	1.6	6.8	1670	3200	EE551026/551663D	1	302	404	6.8	1.6	0.33	2	3	2	85.3
422.91	178.592	139.7	139.7	1.6	6.8	1730	3360	HM252349/HM252312D	1	279.8	399.1	6.8	1.6	0.33	2.03	3.02	1.98	86.7
431.724	173.038	128.588	128.588	1.6	6.8	1730	3360	HM252349/HM252315D	1	279.8	397.9	6.8	1.6	0.33	2.03	3.02	1.98	89.9
431.724	173.038	128.588	128.588	1.6	6.4	1950	3700	HM252349NA/HM252315D	2	304	413	6.4	1.6	0.33	2	3	2	89.9
488.95	254	196.85	196.85	1.6	6.4	2950	5700	EE295102/295192D	1	325	469	6.4	1.6	0.31	2.2	3.2	2.1	193
731.724	173.038	128.588	128.588	1.6	6.4	1730	3360	HM252348NA/HM252315D	1	279.2	397.9	6.4	1.6	0.33	2.03	3.02	1.98	90
263.525	355.6	127	101.6	1.6	3.6	1040	2550	LM451345/LM451310D	1	276.7	342.6	3.6	1.6	0.36	1.87	2.79	1.83	33.1
	357.2	127	101.6	1.6	3.6	1040	2550	LM451345/LM451312D	1	276.7	342.6	3.6	1.6	0.36	1.87	2.79	1.83	33.8
266.7	323.85	63.5	50.8	0.8	1.6	252	723	29880/29820D	1	275.9	307.1	1.6	0.8	0.35	1.95	2.9	1.91	9.57
	352.425	107.95	82.55	1.6	6.4	855	2110	LM251649NW/LM251610D	2	295	343	6.4	1.6	0.32	2.1	3.2	2.1	26.3
	355.6	127	101.6	1.6	3.6	1060	2520	LM451349/LM451310D	1	292	348	3.6	1.6	0.36	1.9	2.8	1.8	31.2
	355.6	127	101.6	1.6	10.4	1040	2550	LM451349A/LM451310D	1	293.5	342.6	10.4	1.6	0.36	1.87	2.79	1.83	31.5
	357.2	127	101.6	1.6	3.6	1060	2520	LM451349/LM451312D	1	292	348	3.6	1.6	0.36	1.9	2.8	1.8	32
	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275105/275156D	1	306	382	6.4	1.6	0.4	1.7	2.5	1.6	56.6
	406.4	155.575	107.95	1.6	6.4	1200	2570	EE275105/275161D	1	306	389	6.4	1.6	0.4	1.7	2.5	1.6	62.8
422.275	178.598	139.7	139.7	1.6	6.8	1670	3200	EE551050/551663D	1	306	404	6.8	1.6	0.33	2	3	2	81.6
431.724	173.038	128.588	128.588	1.6	6.8	1670	3200	EE551050/551701D	1	306	408	6.8	1.6	0.33	2	3	2	84.9



Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
269.875	381	158.75	123.825	1.6	6.4	1360	3200	M252349/M252310D	1	304	370	6.4	1.6	0.33	2	3	2	51.6
273.05	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275108/275156D	1	309	382	6.4	1.6	0.4	1.7	2.5	1.6	53.3
	406.4	155.575	107.95	1.6	6.4	1270	3090	EE275108/275161D	1	291.9	377.8	6.4	1.6	0.4	1.68	2.5	1.64	63.8
279.4	374.65	104.775	79.375	1.6	6.4	810	2020	L555233/L555210D	1	300	362	6.4	1.6	0.4	1.68	2.5	1.64	28.5
	469.9	200.025	149.225	1.6	9.7	2030	4150	EE722110/722186D	1	336	451	9.7	1.6	0.38	1.8	2.7	1.7	127
	488.95	254	196.85	1	1.3	2950	5700	EE295110/295192D	1	329	469	1.3	1	0.31	2.2	3.2	2.1	177
279.982	380.898	139.7	107.95	1.6	3.6	1140	2820	LM654642/LM654610D	1	293.2	370.2	3.6	1.6	0.43	1.57	2.34	1.53	42.7
280	406.4	149.225	117.475	1.6	6.4	1290	2870	EE128114/128160D	1	315	391	6.4	1.6	0.39	1.8	2.6	1.7	56.9
	406.4	149.225	117.475	1.6	6.8	1290	2870	EE128111/128160D	1	316	391	6.8	1.6	0.39	1.8	2.6	1.7	56.8
285.75	358.775	76.2	53.975	1.6	3.6	430	1150	545112/545142D	1	307	348	3.6	1.6	0.49	1.4	2	1.3	15.8
	380.898	139.7	107.95	1.6	3.6	1168	3040	LM654649/LM654610D	1	316	371	3.6	1.6	0.43	1.6	2.3	1.6	42
	469.9	177.785	127	1.6	9.7	1890	3600	EE921124/921851D	1	338	450	9.7	1.6	0.29	2.3	3.4	2.3	105
	476.25	177.785	127	1.6	9.7	1960	3460	EE921124/921876D	1	310.8	439.8	9.7	1.6	0.29	2.31	3.44	2.26	111
	501.65	203.2	120.65	3.2	6.4	2160	4100	EE147112/147198D	1	350	483	6.4	3.2	0.83	0.81	1.2	0.79	151
288.925	406.4	165.1	130.175	1.6	6.4	1843	4270	M255449/M255410DC	1	324	395	6.4	1.6	0.33	2	3	2	63
	406.4	165.1	130.175	1.6	9.5	1720	4420	M255448/M255410D	1	313.9	387.5	9.5	1.6	0.34	2	2.97	1.95	64.6
292.1	374.65	104.775	79.375	1.6	6.4	810	2020	L555249/L555210D	1	309	362	6.4	1.6	0.4	1.68	2.5	1.64	25.2
	469.9	200.025	149.225	1.6	9.5	2100	4370	EE722115/722186D	1	317.1	430.1	9.5	1.6	0.38	1.79	2.67	1.75	118
	520.7	228.6	165.1	1.6	6.4	2660	4900	EE224115/224205D	1	345	492	6.4	1.6	0.33	2.1	3.1	2	180
	558.8	298.45	222.25	1.6	6.4	4250	8200	EE790114/790223D	1	362	537	6.4	1.6	0.39	1.7	2.5	1.7	312
	558.8	298.45	222.25	1.6	19.8	4040	8000	EE790116/790223D	1	337.7	515	19.8	1.6	0.4	1.71	2.54	1.67	306

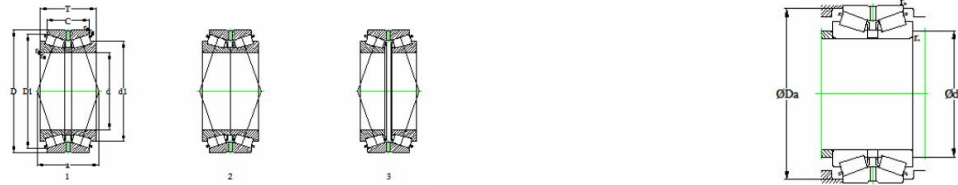


Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
298.45	444.5	146.05	98.425	1.6	8	1170	2280	EE291175/291751D	1	339	427	8	1.6	0.38	1.8	2.7	1.7	63.9
299.974	495.3	301.625	247.65	1.6	8	4200	9800	HH258248/HH258210D	1	342	467	8	1.6	0.33	2.03	3.02	1.98	205
300.038	422.275	174.625	136.525	1.6	6.4	1950	4520	HM256849/HM256810D	1	337	411	6.4	1.6	0.33	2	3	2	71.5
300.787	438.048	161.925	123.825	1.6	6.4	1510	3450	329115/329173D	1	320.6	411.6	6.4	1.6	0.33	2.04	3.04	2	74.4
304.8	393.7	107.95	82.55	1.6	6.4	910	2280	L357049/L357010D	1	334	385	6.4	1.6	0.36	1.9	2.8	1.8	30
	393.7	107.95	82.55	1.6	6.4	910	2280	L357049NW/L357010D	2	335	385	6.4	1.6	0.36	1.9	2.8	1.8	30.2
	412.75	123.825	92.075	1.6	6.4	1090	2520	EE109120/109163D	1	337	401	6.4	1.6	0.43	1.6	2.4	1.6	42.1
	438.048	161.925	123.825	1.6	6.4	1510	3450	329120/329173D	1	324.6	411.6	6.4	1.6	0.33	2.04	3.04	2	72
	438.048	165.1	120.65	1.6	6.4	1380	3200	EE129120X/129120D	1	334	411	6.4	1.6	0.42	1.62	2.42	1.59	71.4
	444.5	139.7	98.425	1.6	6.4	1240	2760	291201/291751D	1	324.6	413.5	6.4	1.6	0.38	1.79	2.66	1.75	64.5
	444.5	146.05	98.425	1.6	8	1170	2280	EE291201/291751D	1	342	427	8	1.6	0.38	1.8	2.7	1.7	60.5
	495.3	162.245	120.65	1.6	6.4	1750	3220	EE941205/941951XD	1	324.6	455.7	6.4	1.6	0.4	1.68	2.5	1.64	107
	495.3	168.595	127	1.6	6.4	1840	3550	EE941205/941953D	1	352	471	6.4	1.6	0.4	1.7	2.5	1.7	111
	495.3	195.85	146.05	1.6	16	2180	4680	EE724119/724196D	1	343.8	457.4	16	1.6	0.4	1.68	2.5	1.64	135
	495.3	196.85	146.05	1.6	16	2130	4300	EE724120/724196D	1	364	474	16	1.6	0.4	1.7	2.5	1.6	130
	558.8	298.45	222.25	1.2	1.6	4250	8200	EE790120/790223D	1	364	537	1.6	1.2	0.39	1.7	2.5	1.7	298
311.15	558.8	190.5	111.125	3.2	9.7	2140	4250	EE148122/148221D	1	377	521	9.7	3.2	0.88	0.77	1.1	0.75	173
317.5	444.5	146.05	98.425	1.6	8	1170	2280	EE291250/291751D	1	349	427	8	1.6	0.38	1.8	2.7	1.7	53.4
	447.675	180.975	146.05	1.6	3.6	2210	5130	HM259049/HM259010D	1	353	435	3.6	1.6	0.33	2	3	2	84
	622.3	304.8	174.625	3.2	14.3	3900	7550	H961649/H961610D	1	414	597	14.3	3.2	0.94	0.72	1.1	0.7	386

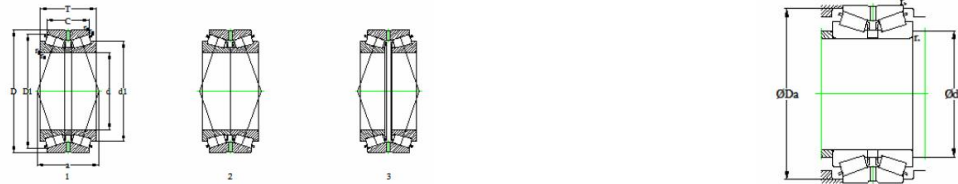


Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
329.87	533.4	165.1	114.3	1.6	4.7	1810	3600	EE971298/972102D	1	383	510	4.7	1.6	0.33	2	3	2	125
	533.4	174.635	123.825	1.6	4.7	1810	3600	EE971298/972103D	1	383	510	4.7	1.6	0.33	2	3	2	130
	546.1	177.8	152.4	3.2	4.7	1810	3600	EE971298/972151D	1	383	517	4.7	3.2	0.33	2	3	2	151
330.2	482.6	133.35	88.9	1.6	7	1210	2840	EE161300/161901	1	377	465	7	1.6	0.5	1.4	2	1.3	73.6
	482.6	133.35	88.9	1.6	7	1050	2500	EE161300/161901D	1	351.4	453.4	7	1.6	0.5	1.35	2.01	1.32	74.8
	482.6	177.8	127	1.6	3.2	2130	4750	EE526130/526191D	1	370	465	3.2	1.6	0.4	1.7	2.5	1.6	100
333.375	469.9	190.5	152.4	1.6	6.4	2340	5400	HM261049/HM261010D	1	375	457	6.4	1.6	0.33	2	3	2	98
342.9	457.098	142.875	101.6	1.6	3.2	1170	3050	LM961548/LM961511D	1	378	444	3.2	1.6	0.71	0.95	1.4	0.93	59.4
	533.4	165	114.3	1.6	4.7	1810	3600	EE971354/972102D	1	390	510	4.7	1.6	0.33	2	3	2	116
	533.4	174.63	123.825	1.6	4.8	2261	4180	EE971354/972103D	1	390	510	4.8	1.6	0.33	2	3	2	130
	546.1	177.8	152.4	3.2	4.7	1810	3600	EE971354/972151D	1	390	517	4.7	3.2	0.33	2	3	2	141
346.075	482.6	133.35	88.9	1.6	7	1210	2840	EE161363/161901D	1	385	465	7	1.6	0.5	1.4	2	1.3	64.8
	488.95	200.025	158.75	1.6	6.4	2500	5980	HM262749/HM262710D	1	386	475	6.4	1.6	0.33	2	3	2	110
349.25	514.35	193.675	152.4	1.6	6.4	2270	5450	EE333137/333203D	1	394	495	6.4	1.6	0.37	1.8	2.7	1.8	130
354.013	482.6	133.35	88.9	1.6	7	1050	2500	EE161394/161901D	1	375.2	453.4	7	1.6	0.5	1.35	2.01	1.32	61.6
355.6	444.5	136.525	111.125	1.6	3.6	1180	3460	L163149/L163110D	1	381	435	3.6	1.6	0.31	2.2	3.3	2.2	46
	482.6	133.35	88.9	1.6	7	1210	2840	EE161400/161901D	1	390	465	7	1.6	0.5	1.4	2	1.3	59.3
	501.65	155.575	107.95	1.6	6.4	1740	4040	EE231400/231976D	1	403	489	6.4	1.6	0.44	1.5	2.3	1.4	87
	514.35	193.675	152.4	1.6	6.4	2270	5450	EE333140/333203D	1	397	495	6.4	1.6	0.37	1.8	2.7	1.8	125
368.249	523.875	214.312	169.862	1.6	6.4	2980	7130	HM265049/HM265010D	1	400	499	6.4	1.6	0.33	2	3	2	140

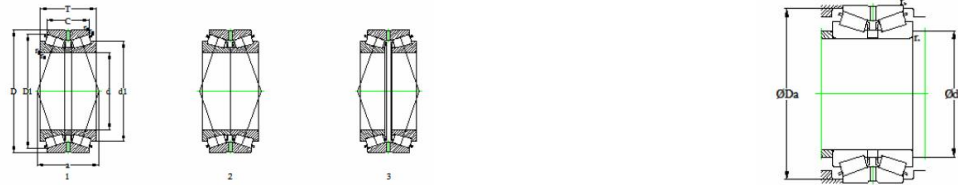
Double inner ring double row tapered roller bearings (Inch series)



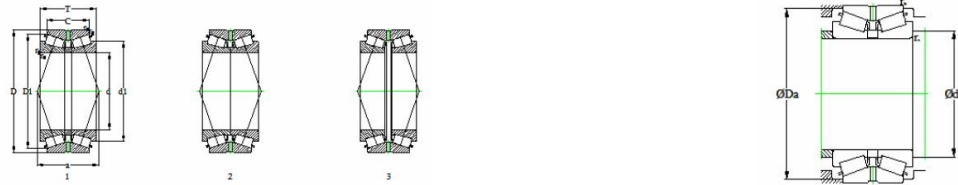
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
368.3	596.9	203.2	133.35	2.3	9.7	2930	5560	EE181453/182351D	1	428	570	9.7	2.3	0.41	1.7	2.5	1.6	188
371.475	501.65	155.575	107.95	1.6	6.4	1740	4040	231462/231976DC	1	411	489	6.4	1.6	0.44	1.5	2.3	1.4	76.5
	514.35	155.575	107.95	1.6	6.4	1360	3300	EE231462/232026D	1	411	495	6.4	1.6	0.44	1.5	2.3	1.5	83.8
377.825	508	139.7	88.9	1.6	6.4	1180	2980	EE192148/192201D	1	397.6	479.7	6.4	1.6	0.53	1.27	1.89	1.24	68.8
381	508	139.7	88.9	1.6	6.4	1180	2980	EE192150/192201D	1	400.8	479.7	6.4	1.6	0.53	1.27	1.89	1.24	66.7
	546.1	222.25	177.8	1.6	6.4	3150	8000	HM266447/HM266410D	1	428	531	6.4	1.6	0.33	2	3	2	162
	590.55	244.475	193.675	1.6	6.4	3100	8350	HM268730/HM268710D	1	425	561	6.4	1.6	0.33	2.03	3.02	1.98	218
384.175	441.325	68.262	52.388	1.6	6.4	360	1060	LL365340/LL365310D	1	399	433	6.4	1.6	0.34	1.99	2.96	1.94	14.1
	546.1	222.25	177.8	1.6	6.4	3030	6980	HM266449/HM266410D	1	429	531	6.4	1.6	0.33	2	3	2	161
385.762	514.35	177.8	139.7	1.6	6.4	2120	5550	LM665949/LM665910D	1	415	495	6.4	1.6	0.42	1.61	2.4	1.58	90
393.7	539.75	142.875	101.6	1.6	6.4	1400	3300	EE234154/234213D	1	438	526	6.4	1.6	0.48	1.4	2.1	1.4	84.7
	546.1	158.75	117.475	1.6	6.4	1400	3300	EE234154/234216D	1	438	529	6.4	1.6	0.48	1.4	2.1	1.4	97
	558.8	146.05	104.775	1.6	6.4	1490	3810	EE234154/234221D	1	413.5	515	6.4	1.6	0.48	1.42	2.11	1.39	104
	560.248	146.05	104.78	1.6	6.4	1400	3300	EE234154/234223D	1	438	536	6.4	1.6	0.48	1.4	2.1	1.4	100
396.875	539.75	142.875	101.6	1.6	6.4	1400	3300	EE234156/234213D	1	439	526	6.4	1.6	0.48	1.4	2.1	1.4	82.5
	546.1	158.75	117.475	1.6	6.4	1400	3300	EE234156/234216D	1	439	529	6.4	1.6	0.48	1.4	2.1	1.4	94.6
	558.8	146.05	104.775	1.6	6.4	1490	3810	EE234156/234221D	1	416.7	515	6.4	1.6	0.48	1.42	2.11	1.39	102
406.4	539.75	142.875	101.6	1.6	6.4	1600	4180	EE234160/234213D	1	444	526	6.4	1.6	0.48	1.4	2.1	1.4	82.6
	546.1	158.75	117.475	1.6	6.4	1400	3300	EE234160/234216D	1	444	529	6.4	1.6	0.48	1.4	2.1	1.4	94.2
	546.1	185.738	144.462	1.6	6.4	2270	5950	M667944/M667910D	1	449	536	6.4	1.6	0.42	1.6	2.4	1.6	113
	546.1	185.738	147.638	1.6	6.4	2270	5950	M667944/M667911D	1	449	537	6.4	1.6	0.42	1.6	2.4	1.6	114
	558.8	146.05	104.775	1.6	6.4	1490	3810	EE234160/234221D	1	427.2	515	6.4	1.6	0.48	1.42	2.11	1.39	95



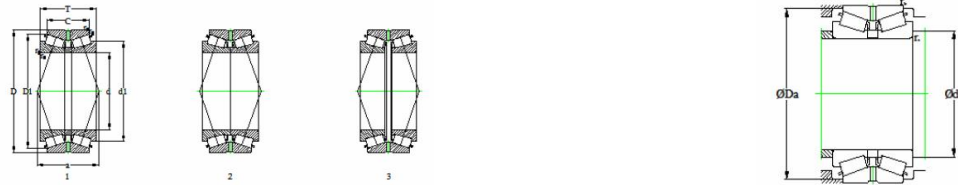
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
	574.675	157.162	106.362	1.6	6.8	1580	3700	EE285160/285228D	1	453	552	6.8	1.6	0.5	1.4	2	1.3	111
	590.55	228.6	174.625	1.6	9.5	3060	7070	EE833160X/833233D	1	433.4	560	9.5	1.6	0.32	2.08	3.1	2.04	188
	609.524	177.8	133.35	1.6	8	2590	5600	EE736160/736239D	1	459	585	8	1.6	0.35	1.9	2.9	1.9	163
	609.6	187.325	123.825	1.6	6.8	2520	5500	EE911600/912401D	1	459	586	6.8	1.6	0.38	1.8	2.6	1.7	172
	673.1	192.639	127	1.6	6.4	3000	6200	EE571602/572651D	1	479	646	6.4	1.6	0.4	1.7	2.5	1.7	251
	673.1	192.639	152.4	1.6	6.4	2530	5240	EE571602/572653D	1	427.2	630	6.4	1.6	0.4	1.68	2.5	1.64	242
409.575	546.1	185.738	147.638	1.6	6.4	2280	5740	M667948/M667911D	1	430.4	530	6.4	1.6	0.42	1.62	2.42	1.59	110
	574.675	157.162	106.362	1.6	6.8	1580	3700	EE285162/285228D	1	455	552	6.8	1.6	0.5	1.4	2	1.3	109
411.162	609.6	187.325	123.825	1.6	6.8	2520	5500	EE911618/912401D	1	461	586	6.8	1.6	0.38	1.8	2.6	1.7	167
415.925	590.55	244.475	193.675	1.6	6.4	3710	9170	M268749/M268710DC	1	465	576	6.4	1.6	0.33	2	3	2	205
425.45	685.698	311.15	234.95	3.2	12.7	5200	11400	EE328167/328268D	1	497	661	12.7	3.2	0.4	1.7	2.5	1.7	410
430.213	603.25	153.289	98.425	1.6	6.4	1680	3770	EE241693/242376D	1	451	565	6.4	1.6	0.53	1.28	1.91	1.26	109
	603.25	159.639	104.775	1.6	6.4	1680	3770	EE241693/242377D	1	451	565	6.4	1.6	0.53	1.28	1.91	1.26	113
431.8	571.5	155.575	111.125	1.6	3.2	1880	4850	LM869448/LM869410D	1	471	560	3.2	1.6	0.54	1.25	1.8	1.3	100
	603.25	153.289	98.425	1.6	6.4	1680	3770	EE241701/242376D	1	452.6	565	6.4	1.6	0.53	1.28	1.91	1.26	107
	603.25	159.639	104.775	1.6	6.4	1670	4100	EE241701/242377D	1	446	561	6.4	1.6	0.53	1.28	1.91	1.25	124
	673.1	192.639	127	1.6	6.4	3000	6200	EE571703/572651D	1	491	646	6.4	1.6	0.4	1.7	2.5	1.7	225
	673.1	192.639	152.4	1.6	6.4	3000	6200	EE571703/572653D	1	491	649	6.4	1.6	0.4	1.7	2.5	1.7	235
441.325	660.4	195.262	138.112	1.6	10.4	2650	5550	EE737173/737261D	1	499	636	10.4	1.6	0.37	1.8	2.7	1.8	198
447.675	635	257.175	206.375	1.6	6.4	4180	10450	M270749/M270710D	1	502	617	6.4	1.6	0.33	2	3	2	245
	649.924	257.175	206.375	1.6	6.4	3930	10500	M270749/M270720D	1	468.5	605	6.4	1.6	0.33	2.03	3.02	1.98	272



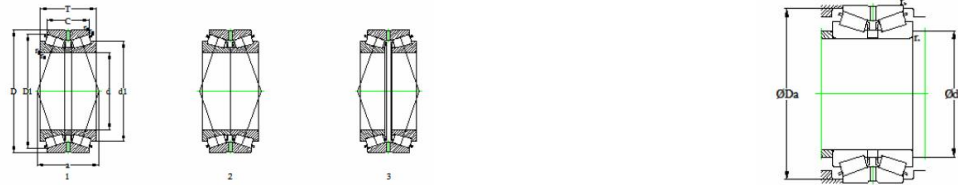
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
457.2	596.9	165.1	120.65	1.6	9.7	2050	5220	EE244180/244236D	1	500	581	9.7	1.6	0.4	1.7	2.5	1.6	110
	660.4	195.262	138.112	1.6	10.4	2650	5550	EE737181/737261D	1	507	636	10.4	1.6	0.37	1.8	2.7	1.8	182
	730.148	254	177.8	1.6	9.7	3900	8350	EE671801/672875D	1	527	699	9.7	1.6	0.39	1.7	2.6	1.7	368
479.425	679.45	276.225	222.25	1.6	6.4	4760	12060	M272749/M272710D	1	535	663	6.4	1.6	0.33	2	3	2	302
482.6	615.95	184.15	146.05	1.6	6.4	2380	6900	LM272249/LM272210D	1	522	604	6.4	1.6	0.37	1.8	2.7	1.8	126
	634.873	177.8	142.875	1.6	6.4	2290	6600	EE243190/243251D	1	530	622	6.4	1.6	0.34	2	2.9	1.9	144
488.671	660.4	206.375	158.75	1.6	6.4	2920	7550	EE640191/640261D	1	535	643	6.4	1.6	0.31	2.2	3.3	2.1	185
	666.674	206.375	158.75	1.6	6.4	3100	7910	EE640191/640262D	1	510	630	6.4	1.6	0.31	2.2	3.27	2.15	194
488.95	634.873	180.975	136.525	1.6	6.4	2350	6350	LM772748/LM772710D	1	532	623	6.4	1.6	0.47	1.4	2.1	1.4	134
	660.4	206.375	158.75	1.6	6.4	2920	7550	EE640192/640261D	1	535	643	6.4	1.6	0.31	2.2	3.3	2.1	185
	666.674	206.375	158.75	1.6	6.4	3100	7910	EE640192/243251D	1	510	630	6.4	1.6	0.31	2.2	3.27	2.15	194
489.026	634.873	177.8	142.875	1.6	6.4	2610	6980	EE243192/243251D	1	533	622	6.4	1.6	0.35	1.9	2.9	1.8	130
498.475	634.873	177.8	142.875	1.6	6.4	2610	6980	EE243196/243251D	1	538	622	6.4	1.6	0.35	1.9	2.9	1.8	125
501.65	711.2	292.1	231.775	1.6	6.4	4810	12800	M274149/M274110D	1	525	680	6.4	1.6	0.33	2.03	3.02	1.98	346
505.968	736.6	186.502	114.3	1.6	6.4	2780	6800	EE981992/982901	1	571	712	6.4	1.6	0.48	1.4	2.1	1.4	242
508	736.6	186.502	114.3	1.6	6.4	2780	6800	EE982003/982901	1	572	712	6.4	1.6	0.48	1.4	2.1	1.4	240
	838.2	304.8	222.25	3.2	9.7	6200	14100	EE426200/426331D	1	595	804	9.7	3.2	0.48	1.4	2.1	1.4	630
514.35	736.6	186.502	114.3	1.6	6.4	2520	5150	EE982028/982901D	1	540	690	6.4	1.6	0.48	1.42	2.11	1.39	213
520.7	736.6	186.502	114.3	1.6	6.4	2880	6370	EE982051/982901D	1	579	712	6.4	1.6	0.48	1.4	2.1	1.4	210



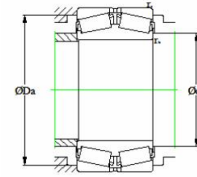
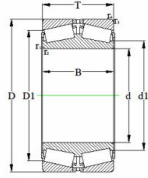
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
533.4	784.225	190.5	120.65	1.6	6.4	3000	7000	EE522102/523088D	1	596	752	6.4	1.6	0.48	1.4	2.1	1.4	276
	812.8	269.875	187.325	3.2	9.7	4950	11300	EE626210/626321D	1	607	783	9.7	3.2	0.44	1.5	2.3	1.5	465
534.988	622.3	111.125	82.55	1.6	3.6	1000	3080	LL475048/LL475011D	1	555	610	3.6	1.6	0.37	1.83	2.73	1.79	47.1
536.575	761.873	311.15	247.65	1.6	6.4	5960	15200	M276449 /M276410DG2	1	576	726	6.4	1.6	0.33	2	3	2	430
546.1	736.6	165.1	114.3	3.2	6.4	2190	5200	EE542215/542291D	1	598	715	6.4	3.2	0.51	1.3	2	1.3	168
549.275	692.15	174.625	136.525	3.2	6.4	2320	6950	L476549/L476510D	1	579	666	6.4	3.2	0.38	1.79	2.67	1.75	135
558.8	736.6	165.1	114.3	3.2	6.4	2050	5400	EE542220/542291D	1	594	705	6.4	3.2	0.51	1.32	1.96	1.29	166
	736.6	187.328	138.112	1.6	6.4	3240	7880	EE843220/843291D	1	591	708	6.4	1.6	0.35	1.9	2.9	1.8	190
	736.6	225.425	177.8	1.6	6.4	4080	11020	LM377449/LM377410DC	1	591	708	6.4	1.6	0.35	1.9	2.9	1.8	150
	742.95	187.328	138.113	1.6	6.4	2960	8050	EE843220/843292D	1	580	710	6.4	1.6	0.34	1.97	2.93	1.93	206
565.15	863.6	317.5	228.6	3.2	8	6550	15200	EE929225/929341D	1	638	832	8	3.2	0.34	2	2.9	1.9	613
571.5	812.8	333.375	263.525	1.6	6.4	6120	15200	M278749 /M278710DAG2	1	615	774	6.4	1.6	0.33	2	3	2	520
588.8	736.6	165.1	114.3	3.2	6.4	2190	5200	EE542220/542291D	1	604	715	6.4	3.2	0.51	1.3	2	1.3	154
	736.6	187.328	138.112	1.6	6.4	3000	7800	EE843220/843291D	1	606	718	6.4	1.6	0.34	2	2.9	1.9	195
	736.6	225.425	177.8	1.6	6.4	3950	11200	LM377449/LM377410D	1	607	720	6.4	1.6	0.35	1.9	2.9	1.9	247
	742.95	187.328	138.112	1.6	6.4	3000	7800	EE843220/843292D	1	606	721	6.4	1.6	0.34	2	2.9	1.9	203
602.945	787.4	206.375	158.75	1.6	6.4	3820	10070	649237/649311D	1	655	771	6.4	1.6	0.37	1.8	2.7	1.8	240
	793.75	206.375	158.75	1.6	6.4	3450	9600	EE649237/649313D	1	655	774	6.4	1.6	0.37	1.8	2.7	1.8	253
607.72	787.4	206.375	158.75	1.6	6.4	3450	9600	EE649239/649311D	1	658	771	6.4	1.6	0.37	1.8	2.7	1.8	237
	793.75	206.375	158.75	1.6	6.4	3390	9940	EE649239/649313D	1	630	755	6.4	1.6	0.37	1.82	2.7	1.78	254



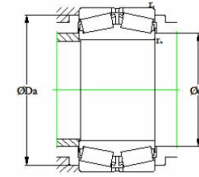
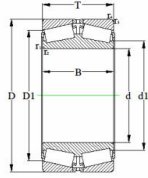
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
609.6	717.55	127	95.25	1.6	6.4	1530	4600	LL579749/LL579710D	1	642	708	6.4	1.6	0.4	1.7	2.5	1.6	81.7
	787.4	206.375	158.75	1.6	6.4	3820	10070	EE649240/649311D	1	659	771	6.4	1.6	0.37	1.8	2.7	1.8	232
	793.75	206.375	158.75	1.6	6.4	3450	9600	EE649240/649313D	1	659	774	6.4	1.6	0.37	1.8	2.7	1.8	243
	812.8	190.5	146.05	3.2	6.4	3400	8360	EE743240/743321D	1	664	785	6.4	3.2	0.33	2	3	2	250
660.4	812.8	203.2	158.75	3.2	6.4	3250	10300	L281148/L281110DA	1	693	789	6.4	3.2	0.37	1.8	2.69	1.76	199
	854.924	186.329	135.9	2.4	9.5	3120	8010	EE749260/749335D	1	690	820	9.5	2.4	0.35	1.92	2.86	1.88	238
673.1	793.75	133.35	98.426	1.6	6.4	1750	5850	673KBE7951	1	710	781	6.4	1.6	0.36	1.9	2.8	1.8	108
685.8	876.3	200.025	152.4	1.6	6.4	3510	10800	EE655270/655346D	1	710	850	6.4	1.6	0.42	1.62	2.42	1.59	280
711.2	914.4	190.5	139.7	1.6	6.4	3610	9170	EE755280/755361D	1	767	891	6.4	1.6	0.37	1.8	2.7	1.8	265
723.9	914.4	187.325	139.7	1.6	3.2	3020	8930	EE755285/75361D	1	745	880	3.2	1.6	0.38	1.78	2.65	1.74	266
749.3	965.2	187.325	133.35	1.6	6.4	3130	9590	EE752295/752381D	1	775	920	6.4	1.6	0.4	1.68	2.5	1.64	320
	990.6	338	265	3.2	6.4	7850	23900	LM283649/LM283610D	1	775	960	6.4	3.2	0.32	2.12	3.15	2.07	681
762	965.2	187.325	133.35	1.6	6.4	3580	9800	EE752300/752381D	1	815	943	6.4	1.6	0.4	1.7	2.5	1.6	290
774.7	965.2	187.325	133.35	1.6	6.4	3580	9800	EE752305/752381D	1	822	943	6.4	1.6	0.4	1.7	2.5	1.6	265
	812.8	1016	190.5	146.05	3.2	6.4	3580	10200	EE762320/762401D	1	876	994	6.4	3.2	0.43	1.6	2.3	1.6
	1066.8	190.5	146.05	3.2	6.4	3580	10200	EE762320/762420XD	1	867	1019	6.4	3.2	0.43	1.6	2.3	1.6	445
914.4	1066.8	139.7	101.6	3.2	6.4	2460	8000	LL686947/LL686910D	1	955	1048	6.4	3.2	0.4	1.7	2.5	1.6	190
939.8	1270	547.2	317.5	3.2	12.7	9200	27550	940KBE1270-1	1	976	1250	12.7	3.2	0.88	0.77	1.15	0.8	1540
977.9	1130.3	139.7	101.6	3.2	6.4	2510	8750	LL687949/LL687910D	1	1019	1112	6.4	3.2	0.43	1.6	2.3	1.5	210



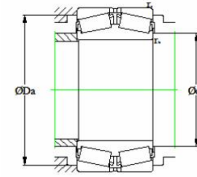
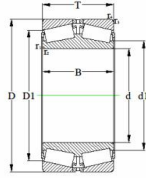
Boundary Dimensions (mm)						Basic Load Ratings ((kN)		Designation	design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	C	r _{1.2min}	r _{3.4min}	Cr	Cor			d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y1	y2	y0	Refer.
1270	1435.1	146.05	101.6	3.2	6.4	2800	11100	LL889049/LL889010D	1	1315	1413	6.4	3.2	0.57	1.2	1.8	1.2	303
1431.925	1584.325	130.175	79.375	3.2	6.4	2440	8850	LL989349/LL989310D	1	1460	1560	6.4	3.2	0.62	1.09	1.62	1.06	259
1562.1	1086.575	279.4	196.85	3.2	9.7	7210	28000	EE299615/299711D	1	1632	1777	9.7	3.2	0.48	1.4	2.1	1.4	1045



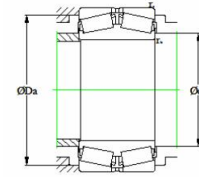
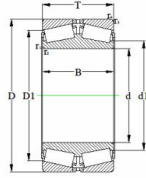
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
100	150	110	110	2	1	385	780	100TDI150-1		108	138	2	1	0.22	3	4.5	2.9	6.4
	165	52	52	2	2.5	237	384	100TDI165-1		118.8	147.8	2	2.5	0.35	1.95	2.9	1.91	4.26
	250	116	116	4	4	790	1050	100TDI250-1		135	232	4	4	0.4	1.68	2.5	1.64	30
105	170	90	90	2	2.5	395	810	105TDI170-1		118	155	2	2.5	0.32	2.1	3.2	2.1	8
110	180	56	56	2	2.5	298	485	110TDI180-1		124	170	2	2.5	0.33	2.03	3.02	1.98	5.6
	190	98	102	3	1.5	515	950	110TDI190-1		128.5	176	3	1.5	0.42	1.62	2.42	1.59	12.1
	200	82	82	2.5	1	555	865	110TDI200-1		128.5	188	2.5	1	0.42	1.61	2.39	1.57	11.3
120	170	120	120	1.5	2	425	915	120TDI170-1		128	158	1.5	2	0.25	2.7	4	2.6	8
	180	46	46	2	2.5	230	375	120TDI180-1		134	170	2	2.5	0.37	1.8	2.69	1.76	4.08
	200	62	62	2	2.5	370	610	120TDI200-1		134	190	2	2.5	0.37	1.8	2.69	1.76	7.82
	215	87	80	2.5	0.8	550	1060		187224E	141	203	0.8	2.5	0.44	1.55	2.31	1.52	13.4
	215	113	113	2.5	2.5	735	1300	120TDI215-1		141	203	2.5	2.5	0.35	1.95	2.9	1.91	17.7
	280	140	150	3	3	1130	1840	120TDI280-1		172	266	3	3	0.33	2.03	3.02	1.98	47.3
130	190	81	81	2	0.6	463	978	130TDI190-1		143.9	175.6	2	0.6	0.33	2.03	3.02	1.98	8.18
	190	120	120	1.5	1.5	490	1100	130TDI190-2		140	177	1.5	1.5	0.26	2.6	3.8	2.5	11.1
	200	52	52	2	2.5	294	490	130TDI200-1		144	190	2	2.5	0.37	1.8	2.69	1.76	5.92
	210	64	64	2	2.5	410	675	130TDI210-1		144	200	2	2.5	0.37	1.8	2.69	1.76	8.58
	210	69	69	2	2.5	365	687	135TDI210-1		161	192	2	2.5	0.27	2.47	3.67	2.41	10
	230	120	120	2.5	1	760	1480	135TDI230-1		148	207	2.5	1	0.33	2	3	2	20.8
	260	120	120	3	3	910	1480	130TDI260-1		149	231	3	3	0.55	1.2	1.8	2.2	29.5
140	210	53	53	2	2.5	305	530	140TDI210-1		157	195	2	2.5	0.4	1.7	2.5	1.6	6.4
	225	68	68	2.5	3	390	650	140TDI225-1		156	213	2.5	3	0.37	1.8	2.69	1.76	10.7
	250	88	88	3	4	615	915	140TDI250-1		166	224	3	4	0.43	1.57	2.34	1.53	16
	300	102	102	4	5	838	1310	140TDI300-1		190.1	255.5	4	5	0.42	1.62	2.42	1.59	36.2
	300	150	150	4	1.5	1180	1830	140TDI300-1		161	264	4	1.5	0.55	1.2	1.8	1.2	50.2



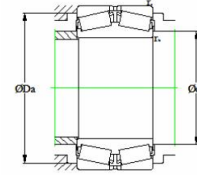
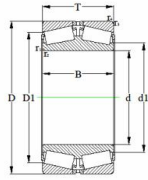
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
150	225	56	56	2.5	3	355	630	150TDI225-1		165	213	2.5	3	0.37	1.8	2.69	1.76	7.76
	225	75	75	2.5	1	510	965	150TDI225-2		166.2	206	2.5	1	0.4	1.68	2.5	1.64	9.78
	250	80	80	2.5	3	600	1040	150TDI250-1		168	238	2.5	3	0.37	1.8	2.69	1.76	15.7
	250	100	100	2.5	3	768	1510	150TDI250-2		178.4	225.7	2.5	3	0.4	1.68	2.5	1.64	20
	250	110	110	2.5	2.5	855	1590	150TDI250-3		169	238	2.5	2.5	0.46	1.47	2.19	1.44	21.7
160	240	60	60	2.5	3	430	765	160TDI240-1		175	228	2.5	3	0.37	1.8	2.69	1.76	9.46
	240	110	110	2.5	2.5	750	1560	160TDI240-2		175.5	228	2.5	2.5	0.33	2.03	3.02	1.98	17.3
	270	86	86	2.5	3	675	1180	160TDI270-1		178	258	2.5	3	0.37	1.8	2.69	1.76	20
	270	116	116	2.5	2.5	835	1640	160TDI270-2		184.5	258	2.5	2.5	0.4	1.68	2.5	1.64	27.1
	340	150	136	4	1.5	1400	2140	160TDI340-1		182	300	4	1.5	0.55	1.2	1.8	1.2	63
170	230	65	65	0.7	2	410	945	87834		184	218	2	0.5	0.29	2.36	3.51	2.31	6.79
	260	67	67	2.5	3	490	865	170TDI260-1		185	248	2.5	3	0.37	1.8	2.69	1.76	12.8
	280	76	76	2.5	2.5	550	900	170TDI280-1		195	264	2.5	2.5	0.4	1.68	2.5	1.64	18.5
	280	88	88	2.5	3	725	1270	170TDI280-2		188	268	2.5	3	0.37	1.8	2.69	1.76	21.5
173	350	155	155	4	5	1430	2410	173TDI350-1		201	311	4	5	0.43	1.6	2.3	1.5	69.3
180	254	90	90	2.5	3	572	1270	180TDI254-1		198.1	234	2.5	3	0.33	2.03	3.02	1.98	14
	280	74	74	2.5	3	580	1050	180TDI280-1		198	268	2.5	3	0.37	1.8	2.69	1.76	16.5
	300	96	96	3	4	885	1530	180TDI300-1		200	286	3	4	0.37	1.8	2.69	1.76	27.2
190	290	75	75	2.5	3	615	1110	190TDI290-1		208	278	2.5	3	0.37	1.8	2.69	1.76	17.9
195	305	120	120	2.5	3	1050	2020	195TDI305-1		211	282	2.5	3	0.37	1.8	2.7	1.8	31.9
200	310	82	82	2.5	3	720	1320	200TDI310-1		218	298	2.5	3	0.37	1.8	2.69	1.76	21.7
	340	112	112	3	4	1090	1910	200TDI340-1		222	326	3	4	0.37	1.8	2.69	1.76	41.7
	340	140	140	3	3	1490	2780	200TDI340-2		226.5	326	3	3	0.4	1.68	2.5	1.64	52.1
	340	150	150	3	1.5	1290	2490	200TDI340-3		224	326	3	1.5	0.42	1.6	2.39	1.57	55.9



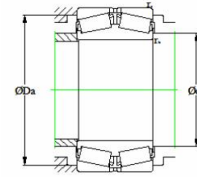
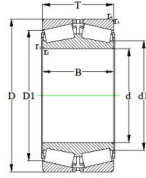
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
420	138	138	5	5	1740	2750	200TDI420-1	241	382	5	5	0.4	1.7	2.5	1.6	93.3		
	235	235	5	2	3000	5350	200TDI420-2	248.5	398	5	2	0.37	1.8	2.69	1.76	158		
210	365	170	170	4	4	1740	3400	210TDI365-1	234	330	4	4	0.42	1.6	2.4	1.6	74	
220	320	76.2	76.2	2.5	2.5	630	1220	220TDI320-1	244	308	2.5	2.5	0.39	1.74	2.59	1.7	20.3	
	340	90	90	3	4	880	1650	220TDI340-1	242	326	3	4	0.37	1.8	2.69	1.76	29.8	
	340	140	200	3	1.5	1570	3180	220TDI340-2	242	326	3	1.5	0.43	1.6	2.3	1.6	50.5	
	370	120	120	4	5	1220	2260	220TDI370-1	248	352	4	5	0.4	1.68	2.5	1.64	52.2	
230	350	90	90	3	4	791	1560	230TDI350-1	266.5	318	3	4	0.28	2.43	3.61	2.37	30.6	
235	375	170	170	3	3	1850	3800	235TDI375-1	255	345	3	3	0.33	2	3	2	70.9	
	240	360	92	92	3	4	910	1770	240TDI360-1	262	346	3	4	0.37	1.8	2.69	1.76	32.6
240	395	124	124	4	4	1400	2630	240TDI395-1	276	377	4	4	0.4	1.68	2.5	1.64	60.2	
	400	128	128	4	5	1400	2590	240TDI400-1	268	382	4	5	0.4	1.68	2.5	1.64	64.6	
	400	160	160	4	4	1770	3550	240TDI400-2	275	382	4	4	0.4	1.68	2.5	1.64	80.7	
	260	400	104	104	4	5	1150	2190	260TDI400-1	285	382	4	5	0.37	1.8	2.69	1.76	47.3
260	400	150	150	4	4	1470	3200	260TDI400-2	289	382	4	4	0.43	1.57	2.34	1.53	68.3	
	420	170	170	4	5	2150	4260	260TDI420-1	296.7	381.5	4	5	0.33	2.03	3.02	1.98	92.5	
	440	144	144	4	5	1770	4150	260TDI440-1	301	407	4	5	0.35	1.9	2.9	1.9	95.8	
	280	420	106	106	4	5	1200	2340	280TDI420-1	305	402	4	5	0.37	1.8	2.69	1.76	51.2
280	460	146	146	5	6	1940	3650	280TDI460-1	315	438	5	6	0.4	1.68	2.5	1.64	95.8	
	285	500	200	200	5	6	2980	5800	285TDI500-1	318	456	5	6	0.35	1.9	2.8	1.9	170
300	460	118	118	4	5	1610	3150	300TDI460-1	330	442	4	5	0.37	1.8	2.69	1.76	70.7	
	500	160	160	5	6	2100	4050	300TDI500-1	335	478	5	6	0.4	1.68	2.5	1.64	126	



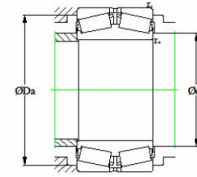
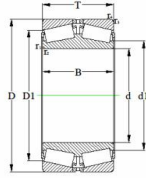
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
310	440	110	110	3	4	1250	2780	310TDI440-1		331	413	3	4	0.37	1.8	2.7	1.8	53.2
320	450	110	110	3	4	1270	2760	320TDI450-1		351.1	415.9	3	4	0.38	1.77	2.64	1.73	54.1
	480	121	121	4	5	1580	3100	320TDI480-1		350	462	4	5	0.37	1.8	2.69	1.76	76.3
	510.8	220	220	4	4	3100	6850	320TDI510-1		358	493	4	4	0.35	1.95	2.9	1.91	173
	540	176	176	5	6	2500	4900	320TDI540-1		355	518	5	6	0.4	1.68	2.5	1.64	164
	580	240	240	5	3	3700	7800	320TDI580-1		379	558	5	3	0.43	1.57	2.34	1.53	288
620	280	280	5	5	5250	10300	320TDI620-1		360	598	5	5	0.43	1.57	2.34	1.53	390	
330	540	186	186	5	5	2950	7450	330TDI540-1		373	497	5	5	0.33	2	3	2	184
340	470	110	110	3	3	1320	3050	340TDI470-1		369	456	3	3	0.4	1.68	2.5	1.64	57.8
	520	133	133	5	5	2020	4100	340TDI520-1		382	484	5	5	0.39	1.7	2.6	1.7	105
	580	190	190	5	6	2690	5150	340TDI580-1		377	530	5	6	0.39	1.7	2.6	1.7	205
	580	241	241	5	5	3800	7750	340TDI580-2		376	531	5	5	0.37	1.8	2.7	1.8	265
350	480	110	110	4	4	1400	3150	350TDI480-1		376.5	462	4	4	0.42	1.62	2.42	1.59	58.7
	590	192	192	5	5	3200	6100	350TDI590-1		407	568	5	5	0.33	2.03	3.02	1.98	218
360	540	134	134	5	6	2100	4350	360TDI540-1		391	505	5	6	0.39	1.7	2.6	1.7	111
	600	192	192	6	6	3500	7100	360TDI600-1		399	551	6	6	0.39	1.7	2.6	1.7	235
	680	330	300	6	6	6500	13900	360TDI680-1		431	652	6	6	0.47	1.43	2.12	1.4	570
380	530	200	200	5	5	2380	6200	380TDI530-1		404	495	5	5	0.33	2	3	2	134
	560	135	135	5	6	2080	4350	380TDI560-1		415	538	5	6	0.37	1.8	2.69	1.76	113
	570	200	200	4	1.5	3210	7560	380TDI570-1		417.9	520	4	1.5	0.47	1.43	2.12	1.4	183
	620	194	194	5	6	3350	6700	380TDI620-1		420	598	5	6	0.4	1.68	2.5	1.64	229
385	530	180	180	4	2	2130	5300	385TDI530-1		404	497	4	2	0.38	1.8	2.7	1.7	117
400	530	120	105	4	1.5	1340	3350	400TDI530-1		418	499	4	1.5	0.56	1.2	1.8	1.2	69.1



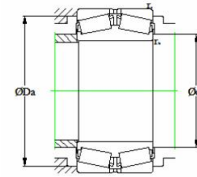
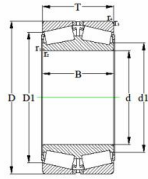
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
590	142	142	3	3	2300	5000	400TDI590-1		428	553	3	3	0.42	1.6	2.4	1.6	138	
590	144.5	144.5	5	5	2150	4550	400TDI590-2		430	550	5	5	0.42	1.6	2.4	1.6	131	
600	148	148	5	6	2530	5450	400TDI600-1		440	578	5	6	0.37	1.8	2.69	1.76	146	
650	250	250	6	6	4900	10500	400TDI650-2		457.5	622	6	6	0.39	1.74	2.59	1.7	325	
730	340	340	7.5	7.5	4900	15900	400TDI730-1		470	694	7.5	7.5	0.4	1.68	2.5	1.64	672	
780	380	380	7.5	7.5	7400	17700	400TDI780-2		477.5	744	7.5	7.5	0.4	1.68	2.5	1.64	895	
406	635	224	224	6	3	4200	10800	406TDI6301		451	593	6	3	0.33	2	3	2	287
415	593	152	152	3.5	3.5	2350	5400	415TDI5951		441	555	3.5	3.5	0.48	1.4	2.1	1.4	139
420	520	90	90	4	1.5	1020	2700	420TDI520-1		441	502	4	1.5	0.47	1.43	2.12	1.4	41.9
	620	150	150	5	6	2650	5900	420TDI620-1		460	598	5	6	0.37	1.8	2.69	1.76	154
	700	224	224	6	6	4800	9700	420TDI700-1		465	672	6	6	0.4	1.68	2.5	1.64	346
	735	406	406	7.5	7.5	8600	20400	420TDI735-1		489.5	699	7.5	7.5	0.37	1.8	2.69	1.76	780
430	535	84	84	3	1	1020	2850	430TDI535-1		490	500	3	1	0.54	1.3	1.8	1.3	44.5
440	650	157	157	6	6	2810	6200	440TDI650-1		488	606	6	6	0.39	1.7	2.6	1.7	183
	720	226	226	6	6	5000	10300	440TDI720-1		485	692	6	6	0.4	1.68	2.5	1.64	361
	730	290	290	6	6	6400	13900	440TDI730-1		503.5	702	6	6	0.33	2.03	3.02	1.98	513
448	635	224	224	6	3	4200	10800	448TDI635-1		472	593	6	3	0.33	2	3	2	238
450	595	178	178	6	3	2820	7740	450TDI595-1		510	560	6	3	0.33	2	3	2	140
	720	300	300	7.5	4	5550	12600	450TDI720-1		500.5	684	7.5	4	0.43	1.57	2.34	1.53	483
453	593	136	136	3.3	1.5	1920	5000	453TDI593-1		473	564	3.3	1.5	0.47	1.4	2.1	1.4	98.8
458	830.5	377	377	7.5	7.5	9100	19700	458TDI830-1		512	750	7.5	7.5	0.4	1.7	2.5	1.6	937
460	680	163	163	6	6	3050	6600	460TDI680-1		500	652	6	6	0.37	1.8	2.69	1.76	201



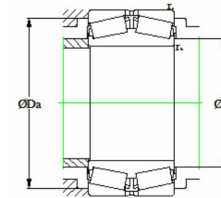
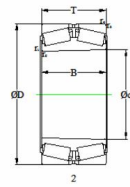
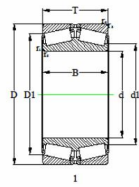
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
760	240	240	240	7.5	7.5	5350	11600	460TDI760-1		530	700	7.5	7.5	0.39	1.7	2.6	1.7	448
860	420	420	420	6	6	10500	22700	460TDI860-1		547	832	6	6	0.4	1.68	2.5	1.64	1120
480	700	165	165	6	6	3050	6700	480TDI700-1		520	672	6	6	0.37	1.8	2.69	1.76	211
	790	248	248	7.5	7.5	5700	12500	480TDI790-1		530	726	7.5	7.5	0.39	1.7	2.6	1.7	517
500	670	150	150	5	2.5	2400	6100	500TDI670-1		536	648	5	2.5	0.4	1.68	2.5	1.64	148
	720	167	167	6	6	3050	6900	500TDI720-1		540	692	6	6	0.37	1.8	2.69	1.76	221
	730	280	280	6	3	6270	14820	500TDI730-1		540	672	6	3	0.31	2.2	3.3	2.2	420
	820	256	256	9.5	9.5	5250	11900	500TDI820-1		583.5	776	9.5	9.5	0.4	1.68	2.5	1.64	535
	830	264	264	7.5	7.5	6400	14000	500TDI830-1		550	794	7.5	7.5	0.4	1.68	2.5	1.64	570
501.65	711.2	250.825	250.825	3.2	6.4	4500	13400		879/500	576	676	6.4	3.2	0.35	1.92	2.86	1.88	323
530	730	250	250	6	6	4600	13400		878/530	578	682	6	6	0.34	2	2.97	1.95	323
	780	185	185	6	6	4150	9350	530TDI780-1		568	731	6	6	0.37	1.8	2.7	1.8	321
	870	272	272	7.5	7.5	6800	14500	550TDI870-1		581	800	7.5	7.5	0.39	1.7	2.6	1.7	661
540	710	150	140	4	5	2180	5650	540TDI710-1		568	675	4	5	0.4	1.7	2.5	1.6	151
550	750	150	130	5	6	2630	6350	550TDI750-1		583	707	5	6	0.49	1.4	2.1	1.4	196
560	820	195	195	6	6	4550	10300	560TDI820-1		620	792	6	6	0.35	1.92	2.86	1.88	347
	920	280	280	7.5	7.5	7300	15400	560TDI31		635	845	7.5	7.5	0.39	1.7	2.6	1.7	762
570	710	150	140	4	4	2230	6450	570TDI710-1		593	680	4	4	0.32	2.1	3.1	2.1	130
	750	240	240	6	6	3500	11800		877/570	593	712	6	6	0.5	1.36	2.02	1.33	287
580	830	280	280	6	3	6480	15770	580TDI830-1		608	776	6	3	0.31	2.2	3.3	2.2	515
590	770	160	150	5	6	2600	7300	590TDI770-1		620	732	5	6	0.39	1.7	2.6	1.7	191
596	760	115	115.25	5	6	1500	5000	596TDI760-1		633	723	5	6	0.44	1.5	2.3	1.5	137



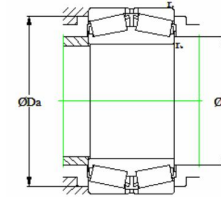
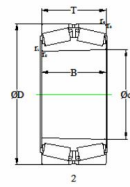
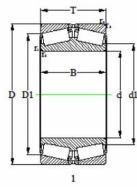
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
600	760	115	115	5	6	1500	5000	600TDI760-1		635	723	5	6	0.44	1.5	2.3	1.5	133
	820	160	160	6	6	3300	8300	600TDI820-1		637	774	6	6	0.42	1.6	2.4	1.6	258
	870	200	200	6	6	4350	9510	600TDI870-1		663	792	6	6	0.37	1.8	2.69	1.76	396
	870	400	380	7.5	4	8500	24100	600TDI870-2		641	834	7.5	4	0.47	1.43	2.12	1.4	758
	980	300	300	7.5	7.5	8290	17400	600TDI980-1		692	871	7.5	7.5	0.39	1.74	2.59	1.7	911
630	920	212	212	7.5	7.5	5350	12800	630TDI920-1		399	884	7.5	7.5	0.4	1.68	2.5	1.64	479
	1030	315	315	7.5	7.5	9150	19400	630TDI1030-1		733	915	7.5	7.5	0.39	1.74	2.59	1.7	1060
650	1030	270	270	10	15	8360	17380	650TDI1030-1		680	960	10	15	0.31	2.2	3.3	2.2	900
670	980	230	230	7.5	7.5	6300	14600	670TDI980-1		717	920	7.5	7.5	0.37	1.8	2.7	1.8	601
	1090	336	336	7.5	7.5	10300	23500	670TDI1090-1		733	1008	7.5	7.5	0.37	1.8	2.7	1.8	1270
690	980	355	355	6	6	9400	26000	690TDI980-1		729	917	6	6	0.35	1.9	2.9	1.9	891
700	890	160	150	5	5	2850	8600	700TDI890-1		746	868	5	5	0.45	1.5	2.24	1.47	224
	900	197	197	6	3	4490	12540	710TDI900-1		785	830	6	3	0.35	1.9	2.9	1.8	325
	1030	236	236	7.5	7.5	6600	16100	710TDI1030-1		785	965	7.5	7.5	0.37	1.8	2.7	1.8	671
	1150	345	345	9.5	9.5	11100	26100	710TDI1150-1		800	1055	9.5	9.5	0.37	1.8	2.7	1.8	1440
750	1090	250	250	7.5	7.5	7350	18100	750TDI1090-1		830	1025	7.5	7.5	0.37	1.8	2.7	1.8	798
	1220	365	365	9.5	9.5	12500	29500	750TDI1220-1		855	1125	9.5	9.5	0.37	1.8	2.7	1.8	1730
790	970	125	125.25	5	5	2310	7350	790TDI970-1		824	931	5	5	0.36	1.9	2.8	1.8	211
800	1150	258	258	7.5	7.5	7790	18600	800TDI1150-1		887	1052	7.5	7.5	0.39	1.74	2.59	1.7	890
	1260	375	375	12	12	13960	31820	800TDI1260-1		886	1136	12	12	0.33	2	3	2	1850
	1280	375	375	9.5	9.5	12400	27400	800TDI1280-1		917	1140	9.5	9.5	0.39	1.74	2.59	1.7	1890
850	1220	272	272	7.5	7.5	8480	20200	850TDI1220-1		943	1120	7.5	7.5	0.39	1.74	2.59	1.7	1050
	1250	370	370	7.5	7.5	12200	32000	850TDI1250-1		905	1166	7.5	7.5	0.4	1.7	2.5	1.6	1600
	1360	400	400	12	12	13400	29500	850TDI1360-1		970	1210	12	12	0.39	1.74	2.59	1.7	2280



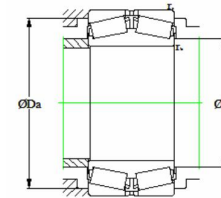
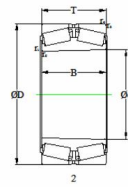
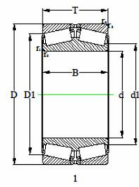
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass(kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	d _{a min}	D _{a max}	r _{a max}	r _{b max}	e	y ₁	y ₂	y _o	Refer.
880	1220	340	340	7.5	4	10700	30000	880TDI1220-1		928	1151	7.5	4	0.34	2	2.9	1.9	1260
900	1280	280	280	7.5	7.5	9340	22500	900TDI1280-1		991	1175	7.5	7.5	0.39	1.74	2.59	1.7	1170
950	1360	300	300	7.5	7.5	10300	24900	950TDI1360-1		1050	1255	7.5	7.5	0.39	1.74	2.59	1.7	1440
1000	1320	240	240	7.5	7.5	7400	20500	1000TDI1320-1		1053	1257	7.5	7.5	0.33	2	3	2	907
1005	1360	400	400	7.5	7.5	13300	40500	1005TDI1360-1		1054	1281	7.5	7.5	0.42	1.6	2.4	1.6	1730
1180	1660	510	510	9.5	9.5	21500	63500	1180TDI1660-1		1248	1561	9.5	9.5	0.35	1.9	2.9	1.9	3610
1290	1690	400	400	7.5	7.5	16100	53000	1290TDI1690-1		1348	1606	7.5	7.5	0.35	1.9	2.8	1.9	2500
1400	1600	180	180	5	2.5	4400	16300	1400TDI1600-1		437.5	157	5	2.5	0.55	1.24	1.84	1.21	534



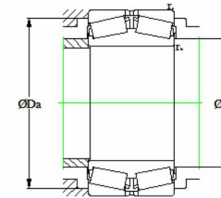
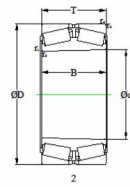
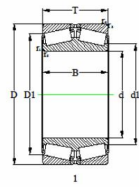
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
101.6	190.5	127	117.475	868D/854	1	113	168	3.2	1.6	0.33	2	3	2	14.5
	200.025	127	127	868D/854X	1	113	172	3.2	1.6	0.33	2	3	2	18.2
107.95	190.5	101.6	98.425	71426D/71750	1	121	171	3.2	1.6	0.42	1.6	2.4	1.6	11.8
	212.725	152.4	142.885	946D/932	1	123	187	3.2	3.2	0.33	2.1	3.1	2	23.9
114.3	190.5	101.6	98.425	71450D/71750	1	125	171	3.2	1.6	0.42	1.6	2.4	1.6	11
	212.725	152.4	142.885	HH224346D/HH224310	1	127	191	3.2	3.2	0.33	2.1	3.1	2	21.9
120.65	234.95	152.4	139.7	95474D/95925	1	146	212	3.2	6.4	0.37	1.8	2.7	1.8	28.1
127	182.562	76.2	76.2	48290D/48220	1	136	167	1.6	3.2	0.31	2.2	3.3	2.2	6.7
	182.562	76.2	76.2	48290TD/48220	2	136	167	1.6	1.6	0.31	2.2	3.3	2.2	6.7
196.85	92.075	92.075	92.075	67388D/67322	1	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	10.4
	203.2	92.075	92.075	67388D/67320	1	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	11.8
234.95	152.4	139.7	95499D/95925	1	147	212	3.3	5	0.37	1.8	2.7	1.8	26.7	
	247	171.45	161.925	EE153053D/153097	1	153.2	217.4	3.2	3.2	0.32	2.1	3.13	2.05	35.9
247.65	152.4	139.7	95499D/95975	1	150.6	204.3	5.2	3.2	0.37	1.83	2.72	1.79	32.4	
	254	171.45	161.925	EE153053D/153100	1	146	223	6.4	3.2	0.32	2.1	3.1	2.1	36.5
258.763	171.45	161.925	EE153053D/153101	1	153.2	217.4	3.2	6.4	0.32	2.1	3.13	2.05	41.6	
	260.35	171.45	161.925	EE153053D/153102	1	153.2	217.4	3.2	6.4	0.32	2.1	3.13	2.05	42.5
288.925	158.75	149.225	HH231637D/HH231610	1	172.1	252.1	13.2	6.4	0.32	2.12	3.15	2.07	50.9	
	295.275	158.75	149.225	HH231637D/HH231615	1	172.1	252.1	13.2	6.4	0.32	2.12	3.15	2.07	54.3
130.005	215.9	123.825	123.825	74510D/74850	1	145	195	1.6	3.2	0.49	1.4	2.1	1.4	17.2
	217.488	123.825	123.825	74510D/74856	1	153.1	193.4	1.6	3.2	0.49	1.38	2.06	1.35	17.8



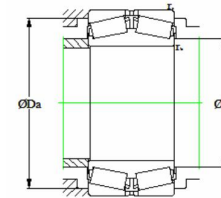
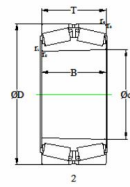
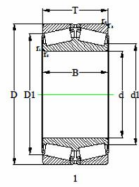
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
130.175	215.9	101.6	101.6	74512D/74850	1	145	195	3.2	1.6	0.49	1.4	2.1	1.4	14.7
	217.488	101.6	101.6	74512D/74856	1	153.1	193.4	1.6	3.2	0.49	1.38	2.06	1.35	15
	222.25	53.975	60.579	73512D/73875	1	160.8	197.9	3.6	3.2	0.44	1.54	2.3	1.51	9.38
133.35	196.85	92.075	92.075	67390D/67322	1	142	180	3.2	1.6	0.34	2	2.9	1.9	9.3
	196.85	92.075	92.075	67390TD/67322	2	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	9.46
	196.85	120.65	120.65	67392TD/67322	2	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	11.6
	203.2	92.075	92.075	67390D/67320	1	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	10.9
	203.2	92.075	92.075	67390TD/67320	2	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	10.9
	203.2	120.65	120.65	67392TD/67320	2	145.8	180.1	1.6	3.2	0.34	1.96	2.92	1.92	13.5
	234.95	152.4	139.7	95526TD/95925	2	150.6	204.3	1.6	3.2	0.37	1.83	2.72	1.79	25.6
247.65	152.4	139.7	95526TD/95975	2	150.6	204.3	1.6	3.2	0.37	1.83	2.72	1.79	30.9	
136.525	190.5	77.788	77.788	48393D/48320	1	149.7	174.8	1.6	3.2	0.32	2.1	3.13	2.06	6.87
	203.2	77.788	77.788	48393D/48328	1	149.7	174.8	1.6	3.2	0.32	2.1	3.13	2.06	9.22
	215.9	123.825	123.825	74539TD/74850	2	153.1	193.4	1.6	3.2	0.49	1.38	2.06	1.35	15.9
	217.488	123.825	123.825	74539TD/74856	2	153.1	193.4	1.6	3.2	0.49	1.38	2.06	1.35	16.4
	225.425	120.65	120.65	H228649D/H228610	1	149	204	3.2	1.6	0.33	2	3	2	19
	225.425	120.65	120.65	H228649TD/H228610	2	155.8	201.5	1.6	3.2	0.33	2.03	3.02	1.98	19.4
139.7	200.025	75.408	77.788	48680D/48620	1	151	185	3.2	0.8	0.34	2	3	2	7.9
	222.25	53.975	60.579	73550D/73875	1	160.8	197.9	3.6	3.2	0.44	1.54	2.3	1.51	8.53
	295.275	171.45	165.1	EE455048D/455116	1	162	256	6.4	3.2	0.31	2.2	3.3	2.2	55.4
	307.975	171.45	161.925	HH234032D/HH234010	1	187.3	270.5	13.5	6.7	0.33	2.07	3.08	2.02	62.3
	317.5	171.45	161.925	HH234032D/HH234018	1	187.3	270.5	13.5	6.7	0.33	2.07	3.08	2.02	68.1



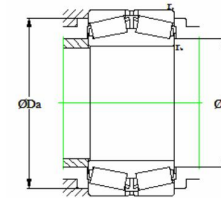
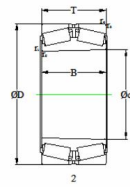
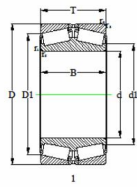
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
142.875	200.025	74.613	77.788	48685TD/48620	2	155.1	182.5	0.8	3.2	0.34	2.01	2.99	1.96	7.58
146.05	244.475	92.075	87.313	81576D/81962	1	174.2	218.8	1.6	3.2	0.35	1.93	2.88	1.89	16.3
	317.5	171.45	161.925	HH234040D/HH234018	1	180	279	6.8	13.5	0.33	2.1	3.1	2	62.7
147.638	236.538	133.334	132.351	82581TD/82931	2	165.7	211.2	1.6	3.2	0.44	1.53	2.27	1.49	21.7
	241.3	133.334	132.351	82581TD/82950	2	165.7	211.2	1.6	3.2	0.44	1.53	2.27	1.49	23.6
149.225	236.538	105.347	106.363	82587D/82931	1	160	213	3.2	1.5	0.44	1.5	2.3	1.5	17.5
	236.538	105.347	106.363	82587TD/82931	2	165.7	211.2	1.6	3.2	0.44	1.53	2.27	1.49	17.9
	241.3	105.347	106.363	82587D/82950	1	165.7	211.2	1.6	3.2	0.44	1.53	2.27	1.49	19.4
	241.3	105.347	106.363	82587TD/82950	2	165.7	211.2	1.6	3.2	0.44	1.53	2.27	1.49	19.4
	254	120.65	120.65	99587D/99100	1	171.1	223.5	1.6	3.2	0.41	1.66	2.47	1.62	26
152.4	222.25	84.138	84.138	M231649D/M231610	1	164	207	1.6	1.6	0.33	2	3	2	11.1
	222.25	84.138	84.138	M231649TD/M231610	2	167.9	201.5	1.6	1.6	0.33	2.03	3.02	1.98	11
	244.475	92.075	87.312	81601D/81962	1	167	225	3.2	1.6	0.35	1.9	2.9	1.9	15.3
	244.475	119.063	120.651	81604TD/81962	2	175.4	218.8	1.6	3.2	0.35	1.93	2.88	1.89	19.5
	254	120.65	120.65	99600TD/99100	2	171.1	223.5	1.6	3.2	0.41	1.66	2.47	1.62	25.3
	254	133.35	133.35	99600D/99100	1	171.1	223.5	1.6	3.2	0.41	1.66	2.47	1.62	27.2
	254	158.75	158.75	99603D/99100	1	165	230	3.2	1.6	0.41	1.7	2.5	1.6	29.6
	254	158.75	158.75	99601TD/99100	2	171.1	223.5	1.6	3.2	0.41	1.66	2.47	1.62	31.1
	298.45	111.125	107.95	EE517060D/517117	1	176	272	3.2	3.2	0.33	2	3	2	34.2
	307.975	171.45	161.925	HH234049D/HH234010	1	187.3	270.5	9.5	6.7	0.33	2.07	3.09	2.03	58.2
	317.5	171.45	161.925	HH234049D/HH234018	1	179	279	6.8	9.5	0.33	2.1	3.1	2	60.7



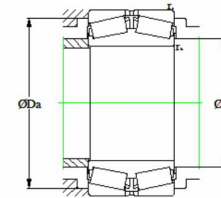
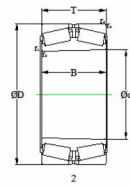
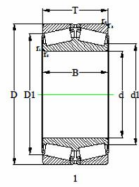
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
152.781	244.475	92.075	87.313	81603D/81962	1	174.2	218.8	1.6	3.2	0.35	1.93	2.88	1.89	15.1
155.575	247.65	122.238	122.238	H432549D/H432510	1	167	226	3.2	1.6	0.37	1.8	2.7	1.8	22.4
158.75	225.425	76.2	79.375	46780DR/46720	2	179	206.5	3.2	0.8	0.38	1.76	2.62	1.72	10.3
	285.75	125.413	128.588	EE217063D/217112	1	182.2	245.7	6.4	3.2	0.4	1.68	2.5	1.64	35.3
	290.513	125.413	125.413	EE217063D/217114	1	182.2	246.2	6.4	3.2	0.4	1.68	2.5	1.64	36.8
	304.8	114.3	109.438	EE280625D/281200	1	207.2	271.3	6.4	3.2	0.36	1.87	2.79	1.83	37.5
165.1	225.425	76.2	79.375	46790D/46720	1	175	208	3.2	0.8	0.38	1.8	2.6	1.7	9.7
	269.875	146.05	146.05	H234649TD/H234610	2	186.4	243.7	3.2	1.6	0.33	2.03	3.02	1.98	32.2
174.625	288.925	123.825	123.825	HM237542D/HM237510	1	190	266	3.2	1.6	0.32	2.1	3.2	2.1	31.3
	288.925	158.75	158.75	94688TD/94113	2	201	255	3.2	1.6	0.47	1.44	2.15	1.41	40.2
	298.45	158.75	158.75	94688TD/94118	2	201	255	3.2	1.6	0.47	1.44	2.15	1.41	45.6
	342.9	190.5	187.325	EE590689TD/591350	2	208	285.7	6.4	3.2	0.49	1.37	2.04	1.34	77.6
177.8	247.65	90.488	90.488	67790D/67720	1	187	228	3.2	1.6	0.44	1.5	2.3	1.5	13.3
	273.05	112.713	112.71	82680D/82622	1	196.9	251.3	3.2	1.6	0.52	1.29	1.92	1.26	22.7
	279.4	112.712	112.71	82680D/82620	1	191	253	3.2	1.6	0.53	1.3	1.9	1.2	24.9
	285.75	106.363	106.36	EE91700D/91112	1	200.6	251.8	3.2	1.6	0.43	1.57	2.34	1.53	26
288.925	123.825	123.825	123.825	HM237546D/HM237510	1	191	266	3.2	1.6	0.32	2.1	3.2	2.1	30.5
	288.925	123.825	123.825	94706D/94113	1	192	261	3.2	1.6	0.47	1.4	2.1	1.4	32.1
288.925	158.75	158.75	158.75	HM237546DD/HM237510	1	191	266	3.2	1.6	0.32	2.1	3.2	2.1	36.7
	288.925	158.75	158.75	94704D/94113	1	201	255	3.2	1.6	0.47	1.44	2.15	1.41	39.1



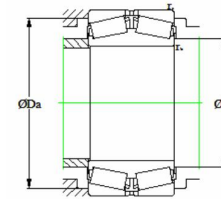
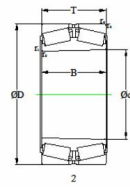
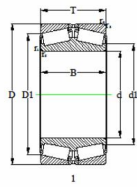
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
180.975	298.45	123.825	123.825	94706D/94118	1	192	265	3.2	1.6	0.47	1.4	2.1	1.4	36.3
	298.45	158.75	158.75	94704D/94118	1	201	255	3.2	1.6	0.47	1.44	2.15	1.41	44.5
	304.8	114.3	109.438	EE280700D/281200	1	207.2	271.3	3.2	1.6	0.36	1.87	2.79	1.83	33.1
	288.925	158.75	158.75	HM237549TD/HM237510	2	200.9	260.1	3.2	1.6	0.32	2.12	3.15	2.07	35.9
	288.925	158.75	158.75	94713TD/94113	2	201	255	3.2	1.6	0.47	1.44	2.15	1.41	38
	298.45	158.75	158.75	94713TD/94118	2	201	255	3.2	1.6	0.47	1.44	2.1	1.41	43.4
187.325	269.875	101.6	101.6	M238849D/M238810	1	206.4	245.5	3.2	1.6	0.33	2.03	3.02	1.98	19
	319.964	161.925	168.276	H239649D/H239610	1	209	293	4.8	3.2	0.32	2.12	3.15	2.07	53.7
	319.964	161.925	168.275	EE222074D/222126	1	211.9	280.4	4.8	3.2	0.4	1.68	2.5	1.64	53.8
	320.675	161.925	168.275	H239649D/H239612	1	204	292	4.8	3.2	0.32	2.1	3.2	2.1	51.2
	320.675	161.925	168.275	H239649D/H239612	1	211.3	286.3	4.8	3.2	0.32	2.12	3.15	2.07	51.9
	320.675	161.925	168.275	EE222074D/222128	1	211.9	280.4	4.8	3.2	0.4	1.68	2.5	1.64	54.3
190.5	317.5	133.35	133.35	93751D/93125	1	216	288	3.2	6.4	0.52	1.3	1.9	1.3	43
	317.5	133.35	142.875	93751D/93126	1	222.9	276.8	3.2	6.4	0.52	1.29	1.92	1.26	45
	365.049	152.4	158.75	EE420750D/421437	1	221	329	3.2	3.2	0.4	1.68	2.5	1.64	72.8
	365.049	152.4	158.75	EE420750TD/421437	2	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	77.2
	368.3	152.4	158.75	EE420750D/421450	1	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	79.4
	368.3	152.4	158.75	EE420750TD/421450	2	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	79.4
198.438	279.4	87.313	87.313	67980TD/67919	2	219.1	259.1	3.2	0.8	0.51	1.33	1.97	1.3	16.9
	282.575	87.313	87.313	67980TD/67920	2	219.1	259.1	3.2	0.8	0.51	1.33	1.97	1.3	17.8
	317.5	133.35	133.35	93788D/93125	1	221	288	3.2	6.4	0.52	1.3	1.9	1.3	40
	317.5	133.35	142.875	93788D/93126	1	222.9	276.8	3.2	6.4	0.52	1.29	1.92	1.26	42
203.2	317.5	95.25	95.25	EE132081D/132125	1	235.4	285	3.2	3.2	0.31	2.15	3.21	2.11	28



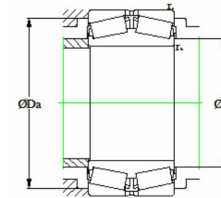
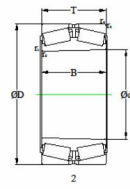
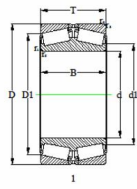
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
317.5	123.825	123.825		93800D/93125	1	222	286	3.2	1.6	0.52	1.29	1.92	1.26	36.3
317.5	133.35	133.35		93801D/93125	1	222	288	3.2	6.4	0.52	1.3	1.9	1.3	39.1
317.5	133.35	142.875		93801D/93126	1	222.9	276.8	3.2	6.4	0.52	1.29	1.92	1.26	41
319.088	95.25	95.25		EE132081D/132127	1	235.4	285	3.2	3.2	0.31	2.15	3.21	2.11	28.6
365.049	152.4	158.75		EE420800D/421437	1	229	332	3.2	3.2	0.42	1.6	2.4	1.6	68.5
365.049	158.75	158.75		EE420801D/421437	1	237.5	317	3.2	3.2	0.4	1.68	2.5	1.64	73.1
368.3	152.4	158.75		EE420800D/421450	1	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	74.8
368.3	158.75	158.75		EE420801D/421450	1	237.5	317	3.2	3.2	0.4	1.68	2.5	1.64	75.4
206.375	279.4	87.313	87.313	67985D/67919	1	219.1	259.1	3.2	0.8	0.1	1.33	1.97	1.3	15.2
	282.575	87.313	87.313	67985D/67920	1	216	261	3.3	0.8	0.51	1.3	2	1.3	16.8
	336.55	184.15	180.975	H242649D/242610	1	222	306	3.3	1.5	0.33	2	3	2	64.2
	336.55	184.15	180.975	H242649TD/H242610	2	232.1	300.1	3.2	1.6	0.33	2.03	3.02	1.98	65.1
209.55	317.5	184.15	184.15	93826TD/93125	2	222.9	278.4	3.2	1.6	0.52	1.29	1.92	1.26	48.3
	317.5	184.15	193.675	93826TD/93126	2	222.9	276.8	3.2	1.6	0.52	1.29	1.92	1.26	50.2
210.769	400.05	212.725	158.75	EE430829TD/431575	2	250	344.6	3.2	3.2	0.44	1.54	2.29	1.5	98.7
214.975	285.75	92.075	85.725	LM742746TD/LM742710	2	226.2	265.2	3.2	1.6	0.48	1.4	2.09	1.37	15.3
	288.925	92.075	85.725	LM742746TD/LM742714	2	226.2	265.2	3.2	1.6	0.48	1.4	2.09	1.37	16.3
215.9	285.75	85.725	85.725	LM742749D/LM742710	1	229	266	3.2	0.8	0.48	1.4	2.09	1.37	14.8
	288.925	85.75	85.725	LM742749D/LM742714	1	228	265.2	3.2	0.8	0.48	1.4	2.09	1.37	15.8
	355.6	120.65	120.65	EE130850D/131400	1	260.5	9.21.61.60.	2.04		3.04	2	50		
216.103	330.02	142.875	152.4	9977D/9920	1	232	301	3.2	3.2	0.55	1.2	1.8	1.2	43.2



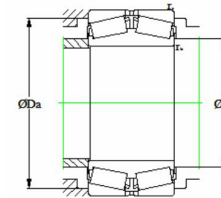
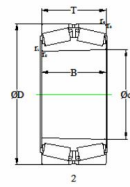
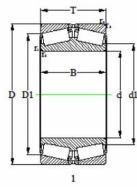
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
	330.2	127	130.175	9974D/9920	1	236.8	300.7	3.2	1.6	0.55	1.22	1.82	1.19	38.8
219.075	358.775	200.025	196.85	H244849D/H244810	1	236	323	6.4	1.6	0.33	2	3	2	77.8
	358.775	200.025	196.85	H244848TD/H244810	2	244.3	319.4	6.4	1.6	0.33	2.03	3.02	1.98	80.9
219.936	314.325	123.822	115.888	M244246TD/M244210	2	238.9	288.1	3.2	1.6	0.33	2.03	3.02	1.98	29.6
220.662	314.325	115.888	115.888	M244249D/M244210	1	233	292	3.2	1.6	0.33	2	3	2	29.6
225.425	355.6	120.65	120.65	EE130887D/131400	1	260.5	319.2	1.6	5.6	0.33	2.04	3.04	2	46.8
	355.6	165.1	165.1	EE130888D/131400	1	251	329	1.5	8	0.33	2	3	2	57.7
228.6	327.025	93.663	93.663	8573TD/8520	2	255.5	299.9	3.2	1.6	0.41	1.66	2.47	1.62	25.9
	328.625	93.663	93.663	8573TD/8522	2	255.5	299.9	3.2	1.6	0.41	1.66	2.47	1.62	26.5
	355.6	120.65	120.65	EE130900D/131400	1	260.5	319.2	1.6	1.6	0.33	2.04	3.04	2	45.8
	355.6	120.65	120.65	EE130901D/131400	1	260.5	319.2	1.6	5.6	0.33	2.04	3.04	2	45.8
	355.6	165.1	165.1	EE130903D/131400	1	253	329	1.5	8	0.33	2	3	2	56.7
400.05	139.7	139.7		EE529091D/529157	1	256	367	3.2	3.2	0.31	2.18	3.24	2.13	74.2
	161.925	158.75		EE430901D/431575	1	261.5	344.6	3.2	3.2	0.44	1.54	2.29	1.5	84.5
425.45	165.1	177.8		EE700090D/700167	1	259	384	6.4	3	0.33	2	3	2	110
234.95	327.025	93.663	93.663	8576D/8520	1	248	304	3.2	1.6	0.41	1.7	2.5	1.6	24.4
	328.625	93.663	93.663	8576D/8522	1	255.5	299.9	3.2	1.6	0.41	1.66	2.47	1.62	24.8
	355.6	165.1	158.75	EE130926TD/131400	2	259.4	319.2	1.6	1.6	0.33	2.04	3.04	2	54.2
	355.6	184.15	184.15	EE130927TD/131400	2	260.5	319.2	1.6	1.6	0.33	2.04	3.04	2	60.4
	384.175	209.55	209.55	H247549D/H247510	1	251	344	6.4	1.6	0.33	2	3	2	95.8
241.224	349.148	107.95	107.95	EE127094D/127135	1	267.2	319.1	3.2	1.6	0.35	1.91	2.84	1.86	34



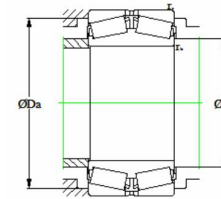
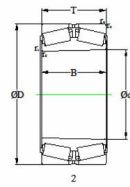
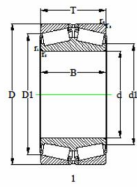
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
	350.838	107.95	107.95	EE127094D/127137	1	267.2	319.1	3.2	1.6	0.35	1.91	2.84	1.86	34.8
	355.498	107.95	107.95	EE127094D/127138	1	267.2	319.1	3.2	1.6	0.35	1.91	2.84	1.86	36.9
	355.6	107.95	107.95	EE127094D/127140	1	257	328	3.2	1.6	0.35	1.9	2.8	1.9	36.9
241.3	355.6	92.862	92.71	EE170951D/171400	1	277.7	327.8	3.2	1.6	0.36	1.86	2.77	1.82	32.6
	365.049	92.862	92.71	EE170951D/171436	1	277.7	327.8	3.2	1.6	0.36	1.86	2.77	1.82	36.5
	368.3	92.862	92.71	EE170951D/171450	1	277.7	327.8	3.2	1.6	0.36	1.86	2.77	1.82	37.8
241.478	349.148	107.95	107.95	EE127097D/127135	1	257	325	3.2	1.6	0.35	1.9	2.8	1.9	33.8
	350.838	107.95	107.95	EE127097D/127137	1	267.2	319.1	3.2	1.6	0.35	1.91	2.84	1.86	34.7
	355.498	107.95	107.95	EE127097D/127138	1	267.2	319.1	3.2	1.6	0.35	1.91	2.84	1.86	36.9
	355.6	107.95	107.95	EE127097D/127140	1	267.2	319.1	3.2	1.6	0.35	1.91	2.84	1.86	36.9
244.475	327.025	92.075	92.075	LM247748D/LM247710	1	256	306	3.2	1.6	0.49	1.4	2.1	1.4	21.6
	381	146.05	146.05	EE126096D/126150	1	269	343	4.8	3.2	0.52	1.31	1.95	1.28	61.4
247.65	400.05	114.3	119.06	EE220975D/221575	1	291.8	359.1	6.4	1.6	0.39	1.71	2.54	1.67	56.4
	400.05	192.088	196.848	EE220977TD/221575	2	291.8	359.1	6.4	3.2	0.39	1.71	2.54	1.67	86.1
	406.4	219.075	215.9	HH249949D/HH249910	1	268	366	6.4	3.2	0.33	2	3	2	115
250.825	422.275	139.7	152.4	HM252340D/HM252310	1	305.3	384.3	3.2	3.6	0.33	2.03	3.02	1.98	83
	431.724	139.7	145.258	HM252340D/HM252315	1	305.3	384.5	3.6	3.6	0.33	2.03	3.02	1.98	88.5
252.413	358.775	139.7	130.175	M249746TD/M249710	2	274.8	330.1	3.2	1.6	0.33	2.03	3.02	1.98	43.5
254	355.6	92.862	92.71	EE171000D/171400	1	266	331	3.2	1.6	0.36	1.9	2.8	1.8	27.1
	358.775	130.175	130.175	M249748D/M249710	1	269	335	3.2	3.2	0.33	2	3	2	42
	365.049	92.862	92.71	EE171000D/171436	1	277.7	327.8	3.2	1.6	0.36	1.86	2.77	1.82	32.9



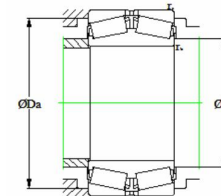
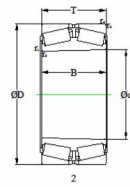
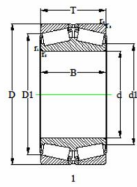
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
	368.3	92.862	92.71	EE171000D/171450	1	269	340	3.2	1.6	0.36	1.85	2.76	1.81	32.5
	422.275	139.7	152.4	HM252343D/HM252310	1	305.3	384.3	3.2	3.6	0.33	2.03	3.02	1.98	81.6
	422.275	139.7	152.4	HM252344D/HM252310	1	305.3	384.3	3.2	3.6	0.33	2.03	3.02	1.98	81.6
	422.275	152.4	152.4	HM252342D/HM252310	1	303	384.3	3.2	6.7	0.33	2.03	3.02	1.98	83.7
	431.724	139.7	145.258	HM252343D/HM252315	1	305.3	384.5	3.6	3.6	0.33	2.03	3.02	1.98	87.1
	431.724	152.4	145.258	HM252342D/HM252315	1	303	384.5	3.6	6.7	0.33	2.03	3.02	1.98	89.2
	438.15	165.1	165.1	738101D/738172	1	283	400	6.4	3.2	0.36	1.9	2.8	1.8	107
	444.5	133.35	133.35	EE82101D/822175	1	283	400	6.4	3.2	0.36	1.9	2.8	1.8	107
260.35	365.125	107.95	107.95	EE134102D/134143	1	277	339	6.4	3.3	0.37	1.8	2.7	1.8	34.4
	368.3	107.95	107.95	EE134102D/134145	1	282.9	334.7	6.4	3.2	0.37	1.8	2.69	1.76	35.9
	400.05	114.3	119.06	EE221025D/221575	1	290	366	6.4	6.4	0.39	1.71	2.54	1.67	52
	422.275	139.7	152.4	HM252347D/HM252310	1	305.3	384.3	3.2	3.6	0.33	2.03	3.02	1.98	78.8
	422.275	152.4	155.575	HM252348D/HM252310	1	303.6	384.3	3.2	6.4	0.33	2.03	3.02	1.98	81.5
	422.275	152.4	155.575	HM252349D/HM252310	1	303.6	384.3	3.2	6.4	0.33	2.03	3.02	1.98	81.5
	422.275	180.975	152.4	HM252348DD/HM252310	1	298	384.3	3.2	9.5	0.33	2.03	3.02	1.98	84.5
	431.724	139.7	145.258	HM252347D/HM252315	1	305.3	384.5	3.6	3.6	0.33	2.03	3.02	1.98	84.3
	431.724	152.4	148.433	HM252349D/HM252315	1	303.6	384.5	3.6	6.4	0.33	2.03	3.02	1.98	87.1
	431.724	180.975	145.258	HM252348D/HM252315	1	298	384.5	3.6	9.5	0.33	2.03	3.02	1.98	90
	444.5	196.85	196.85	823103D/823175	1	292.8	396.6	3.2	6.4	0.55	1.24	1.84	1.21	125
263.525	400.05	196.848	192.088	EE221039TD/221575	2	291.8	359.1	6	1.6	0.39	1.71	2.54	1.67	76.7
264.98	381	146.05	136.525	M252345TD/M252310	2	289.1	350.8	3.2	3.2	0.33	2.03	3.02	1.98	51.4



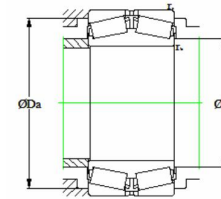
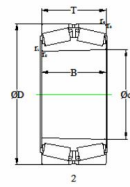
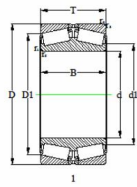
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
266.7	355.6	109.538	107.95	LM451349D/LM451310	2	281	335	3.2	1.6	0.36	1.87	2.79	1.83	29.9
	355.6	109.538	107.95	LM451349TD/LM451310	1	284.1	332	3.2	1.6	0.36	1.87	2.79	1.83	29.5
	357.2	109.538	107.95	LM451349D/LM451312	1	284.1	332	3.2	1.6	0.36	1.87	2.79	1.83	30.2
	357.2	109.538	107.95	LM451349TD/LM451312	2	284.1	332	3.2	1.6	0.36	1.87	2.79	1.83	30.2
393.7	130.175	130.175		EE275106D/275155	1	309	364.4	6.4	3.2	0.4	1.68	2.5	1.64	55.3
	403.225	130.175	122.24	EE275106D/275158	1	309	365.4	6.4	3.2	0.4	1.68	2.5	1.64	59.4
	406.4	130.175	122.24	EE275106D/275160	1	309	365.4	6.4	3.2	0.4	1.68	2.5	1.64	61.3
269.875	381	136.525	136.525	M252349D/M252310	1	287	356	3.2	3.2	0.33	2	3	2	48.6
	381	136.525	136.525	M252349TD/M252310	2	290.9	350.8	3.2	1.6	0.33	2.03	3.02	1.98	48.5
276.225	393.7	130.175	130.175	EE275109D/275155	1	294	366	6.4	1.6	0.4	1.68	2.5	1.64	50.5
	403.225	130.175	122.24	EE275109D/275158	1	309	365.4	6.4	1.6	0.4	1.68	2.5	1.64	55.3
	406.4	130.175	122.24	EE275109D/275160	1	309	365.4	6.4	1.6	0.4	1.68	2.5	1.64	57.2
279.4	393.7	127	127	EE135111D/135155	1	297	368	6.4	1.6	0.4	1.68	2.5	1.64	48.1
	457.2	244.475	244.475	HH255149D/HH255110	1	309	412	6.4	1.6	0.33	2.03	3.02	1.98	158
469.9	166.688	169.862		EE722111D/722185	1	313	431	3.3	6.4	0.38	1.8	2.7	1.7	119
	184.15	169.863		EE722112D/722185	1	324.9	412.5	3.2	9.5	0.38	1.79	2.67	1.75	123
495.3	134.938	137.952		EE941106D/941950	1	349.3	440.5	3.2	1.6	0.4	1.68	2.5	1.64	114
279.578	380.898	117.475	117.475	LM654645D/LM654610	1	296	355	3.2	1.6	0.43	1.6	2.3	1.5	41
280	406.4	206.375	206.375	EE128113TD/128160	2	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	85.1
	406.4	206.375	206.375	EE128113D/128160	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	81.4
	406.4	206.375	206.375	EE128114D/128160	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	81.4



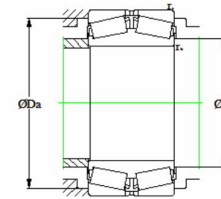
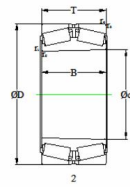
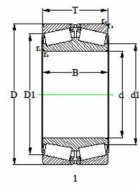
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
409.981	206.375	206.375	206.375	EE128113TD/128161	2	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	81.4
409.981	206.375	206.375	206.375	EE128113D/128161	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	85.1
409.981	206.375	206.375	206.375	EE128114D/128161	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	85.1
285.75	380.898	117.475	117.475	LM654648D/LM654610	1	300	355	3.2	1.6	0.43	1.6	2.3	1.5	38.5
469.9	142.875	138.928	138.928	EE921126D/921850	1	333.5	429	3.2	1.6	0.29	2.31	3.44	2.26	97.5
476.25	142.875	138.928	138.928	EE921126D/921875	1	333.5	429	3.2	1.6	0.29	2.31	3.44	2.26	103
288.925	406.4	144.463	144.463	M255449D/M255410	1	310	379	3.2	3.2	0.34	2	2.98	1.96	58.1
406.4	144.463	144.463	144.463	M255449TD/M255410	2	315.6	373.9	3.2	3.2	0.34	2	2.97	1.95	61.4
292.1	422.275	130.175	130.175	EE330116D/330166	1	321	387.9	3.2	6.4	0.32	2.11	3.14	2.06	59.9
558.8	285.75	285.75	285.75	EE790117D/790221	1	359.8	487.9	6.4	3.2	0.4	1.71	2.54	1.67	318
295.275	406.4	203.2	203.2	LM757043TD/LM757010	2	319.5	376.1	3.2	1.6	0.44	1.53	2.28	1.49	69.4
297.523	422.275	160.338	150.813	HM256846TD/HM256810	2	322.1	388.3	3.2	3.2	0.34	2	2.98	1.96	68.5
298.45	438.048	131.763	131.763	EE329118D/329172	1	336.6	399.7	3.2	3.2	0.33	2.04	3.04	2	68.9
444.5	107.95	111.125	111.125	EE291176D/291749	1	344	403.5	3.2	7.9	0.38	1.79	2.66	1.75	61.1
444.5	107.95	111.125	111.125	EE291176D/291750	1	344	403.5	1.6	7.9	0.38	1.79	2.66	1.75	61.2
299.974	438.048	134.938	133.35	EE129119D/129172	1	338.1	400.5	4.8	3.2	0.4	1.68	2.5	1.64	68.7
300.038	422.275	150.812	150.812	HM256849D/HM256810	1	318	395	3.2	3.2	0.34	2	3	2	66.7
422.275	150.812	150.812	150.812	HM256849DA/HM256810	1	318	395	3.2	6.4	0.34	2	3	2	66.7
303.213	495.3	263.525	263.525	HH2568249D/HH2568210	1	341.5	441.7	6.4	3.2	0.33	2	3	2	212
495.3	263.525	263.525	263.525	HH258249TD/HH258210	2	341.5	441.7	6.4	3.2	0.33	2.03	3.02	1.98	207



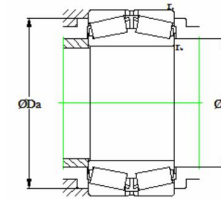
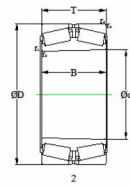
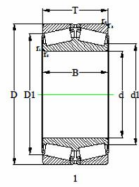
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
304.648	438.048	128.588	138.113	M757447D/M757410	1	332.3	403.8	4.8	3.2	0.47	1.44	2.15	1.41	64.8
	438.048	131.762	131.762	EE329117D/329172	1	324	408	3.2	3.2	0.33	2	3	2	66.3
	438.048	134.938	133.35	EE129121D/129172	1	325	407	4.8	3.2	0.42	1.6	2.4	1.6	65.6
	438.048	134.938	138.113	M757447DE/M757410	1	330.6	403.8	4.8	3.2	0.47	1.44	2.15	1.41	65.5
304.8	419.1	130.175	130.175	M257149D/M257110	1	322	392	6.4	1.6	0.33	2.03	3.02	1.98	53.1
	431.8	98.425	120.65	EE111201D/111700	1	331.5	392.3	3.2	3.2	0.44	1.54	2.29	1.5	51.8
	438.15	98.425	120.65	EE111201D/111725	1	331.5	392.3	3.2	3.2	0.44	1.54	2.29	1.5	55.9
	444.5	107.95	111.125	EE291200D/291749	1	337	416	3.2	7.9	0.38	1.78	2.65	1.74	55.7
	495.3	134.938	137.952	EE941206D/941950	1	329	455	3.2	1.5	0.4	1.7	2.5	1.7	103
	495.3	165.1	171.45	EE724121D/724195	1	354.5	438.7	6.4	3.2	0.4	1.68	2.5	1.64	130
558.8	285.75	285.75	EE790119D/790221	1	341	506	6.4	3.2	0.39	1.7	2.5	1.7	307	
304.902	412.648	128.588	128.588	M257248D/M257210	1	325	388	3.2	3.2	0.32	2.12	3.15	2.07	49
	438.048	212.725	196.85	EE129124D/129172	1	334.8	400.5	4.8	3.2	0.4	1.68	2.5	1.64	93.5
305	438.048	134.145	138.112	M757449D/M757410	1	328	407	4	4	0.47	1.43	2.12	1.4	65.3
305.003	438.048	134.938	133.35	EE129123D/129172	1	325	407	4.8	3.3	0.42	1.6	2.4	1.6	65.4
305.054	500	200	200	HM858548D/HM858511	1	333	457	6.4	3.2	0.33	2	3	2	164
317.5	422.275	128.588	128.588	LM258649D/LM258610	1	333	399	1.5	1.5	0.33	2.1	3.1	2	49.7
	447.675	158.75	158.75	HM259049D/HM259010	1	335	418	3.3	3.3	0.33	2	3	2	79.6
327.025	482.6	147.638	152.4	EE526129D/526190	1	362	438.9	3.2	1.6	0.39	1.73	2.57	1.69	94.3
330.2	482.6	147.638	152.4	EE526131D/526190	1	362	43.9	3.2	1.6	0.39	1.73	2.57	1.69	92.4



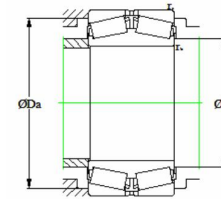
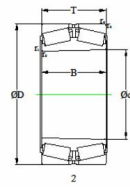
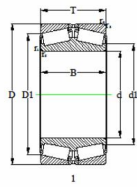
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
333.375	469.9	166.688	166.688	HM261049D/HM261010	1	352	440	3.3	3.3	0.33	2	3	2	91.4
	469.9	166.688	166.688	HM261049TD/HM261010	2	359.8	432.9	3.2	3.2	0.33	2.02	3	1.97	92.8
	523.875	185.738	185.738	HM265032TD/HM265010	2	402.5	483.6	6.4	3.2	0.33	2.03	3.02	1.98	138
342.9	533.4	146.05	139.7	EE971355D/972100	1	372	497	3.2	3.2	0.33	2	3	2	114
	571.5	163.512	163.512	EE536136D/536225	1	381	529	6.4	3.2	0.33	2	3	2	172
343.052	457.098	122.238	122.238	LM761649D/LM761610	1	361	432	3.2	1.5	0.48	1.4	2.1	1.4	54
344.091	488.95	184.15	174.625	HM262746TD/HM262710	2	375.3	450	3.2	3.2	0.33	2.02	3	1.97	108
346.075	469.9	95.25	104.775	EE161362D/161850	1	384.6	440.7	6.4	1.6	0.5	1.35	2.01	1.32	50.7
	482.6	95.25	104.775	EE161362D/161900	1	384.6	440.7	6.4	1.6	0.5	1.35	2.01	1.32	58.4
	488.95	95.25	104.775	EE161362D/161925	1	384.6	440.7	6.4	1.6	0.5	1.35	2	1.3	62
	488.95	174.625	174.625	HM262749D/HM262710	1	366	457	3.2	3.2	0.33	2	3	2	104
	488.95	174.625	174.625	HM262749TD/HM262710	2	377.1	450	3.2	3.2	0.33	2.02	3	1.97	105
347.663	469.9	138.112	138.112	M262449D/M262410	1	369	443	3.2	3.2	0.33	2.03	3.02	1.98	68
	469.9	228.6	228.601	M262448TD/M262410	2	373.7	436.7	3.2	3.2	0.33	2.03	3.02	1.98	93.7
355.6	444.5	114.3	112.713	L163149D/L163110	1	369	423	3.2	1.6	0.31	2.2	3.3	2.1	41
	457.2	120.65	120.65	LM263149D/LM263110	1	370	435	3.2	1.6	0.32	2.1	3.2	2.1	50.5
	482.6	128.588	133.35	LM763449D/LM763410	1	375	453	3.2	1.6	0.47	1.43	2.14	1.4	67.4
	488.95	153.988	153.988	M263349D/M263310	1	374	459	3.2	1.6	0.33	2.03	3.02	1.98	85.4
	501.65	111.125	127	EE231401D/231975	1	382	472	3.2	1.6	0.44	1.53	2.28	1.5	75.3
	514.35	111.125	127	EE231401D/232025	1	404.5	465.8	3.2	3.2	0.44	1.53	2.28	1.5	85.3
356.387	469.9	101.6	104.75	EE161403D/161850	1	382.7	440.7	6.4	1.6	0.5	1.35	2.01	1.32	47.3
	482.6	101.6	104.75	EE161403D/161900	1	382.7	440.7	6.4	1.6	0.5	1.35	2.01	1.32	55



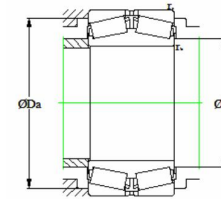
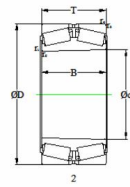
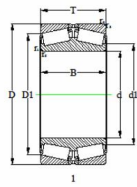
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
	488.95	101.6	104.75	EE161403D/161925	1	382.7	440.7	6.4	1.6	0.5	1.35	2.01	1.32	58.9
368.3	523.875	185.738	185.738	HM265049D/HM265010	1	390	487	6.4	3.3	0.33	2	3	2	135
	523.875	185.738	185.738	HM265049TD/HM265010	1	402.5	483.6	6.4	3.2	0.33	2.03	3.02	1.98	110
	596.9	158.75	165.1	EE181454D/182350	1	470.6	535	6.4	6.4	0.4	1.7	2.5	1.6	188
	609.6	279.4	254	EE321146D/321240	1	415.2	545	6.4	3.2	0.36	1.9	2.83	1.86	303
	622.3	279.4	254	EE321146D/321245	1	415.2	545	6.4	3.2	0.36	1.9	2.83	1.86	327
374.574	546.1	193.675	193.675	HM266445D/HM266410	1	402	508	6.4	3.2	0.33	2	3	2	159
381.264	546.1	193.675	206.375	HM266446TD/HM266410	2	415.3	505	6.4	3.2	0.33	2.03	3.02	1.98	159
384.175	546.1	193.675	193.675	HM266449D/HM266410	1	407	508	6.4	3.3	0.33	2	3	2	150
	546.1	193.675	193.675	HM266449TD/HM266410	2	417.7	505	6.4	3.2	0.33	2.03	3.02	1.98	155
393.7	546.1	120.65	141.288	EE234157D/234215	1	419	507	6.4	3.2	0.48	1.4	2.1	1.4	92.2
	546.1	138.113	138.113	LM767745D/LM767710	1	418	510	6.4	1.6	0.48	1.42	2.11	1.38	97.4
	558.8	120.65	119.063	EE234157D/234220	1	436.4	505	6.4	3.2	0.48	1.42	2.11	1.39	97.2
400.05	609.6	142.875	157.163	EE911576D/912400	1	462	555	6.4	3.6	0.38	1.76	2.62	1.72	161
406.4	546.1	120.65	141.288	EE234161D/234215	1	423	507	6.4	1.6	0.48	1.4	2.1	1.4	84.7
	546.1	138.113	138.113	LM767749D/LM767710	1	434.5	510	6.4	1.6	0.48	1.42	2.11	1.39	90.5
	558.8	120.65	119.063	EE234161D/234220	1	436.4	505	6.4	1.6	0.48	1.42	2.11	1.39	89.8
	574.675	114.3	130.967	EE285161D/285226	1	446.1	520	3.2	3.2	0.5	1.35	2.01	1.32	105
	590.55	209.55	209.55	M268743TD/M268710	2	455.6	545	6.4	3.2	0.33	2.03	3.02	1.98	199
	609.6	149.225	157.163	EE911603D/912400	1	460.7	555	6.4	3.6	0.38	1.76	2.62	1.72	158



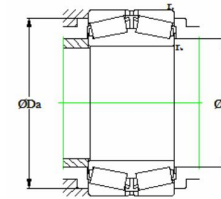
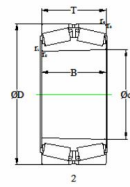
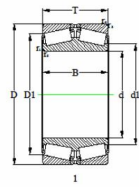
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
622.3	155.575	152.705		EE261602D/262450	1	467.7	570	6.7	3.6	0.38	1.76	2.62	1.72	169
635	155.575	152.705		EE261602D/262500	1	467.7	570	6.7	3.6	0.38	1.76	2.62	1.72	184
406.476	673.049	195.262	195.262	EE623161D/623265	1	448	620	6.4	3.2	0.36	1.9	2.8	1.8	292
409.575	546.1	161.925	161.925	M667947D/M667911	1	431	510	6.4	1.6	0.43	1.6	2.3	1.6	110
413.677	590.55	225.425	209.55	M268746TD/M268710	2	452.6	545	6.4	3.2	0.33	2.03	3.02	1.98	195
415.925	590.55	209.55	209.55	M268749D/M268710	1	444	549	6.4	3.2	0.33	2.03	3.02	1.98	181
	590.55	209.55	209.55	M268749TD/M268710	2	455.6	545	6.4	3.2	0.33	2.03	3.02	1.98	189
419.1	622.3	155.575	152.705	EE261650D/262450	1	452	580	6.7	3.6	0.38	1.8	2.6	1.7	168
	635	155.575	152.705	EE261650D/262500	1	467.7	570	6.7	3.6	0.38	1.76	2.62	1.72	174
419.227	736.448	406.4	406.4	EE323166D/323290	1	463	662	6.4	6.4	0.37	1.8	2.7	1.8	775
425.45	685.698	253.873	254	EE328167D/328269	1	482.4	620	6.4	6.4	0.4	1.68	2.5	1.64	367
426.89	635	231.775	223.838	M270737TD/M270710	2	489	585	6.4	3.2	0.33	2.03	3.02	1.98	261
431.8	571.5	130.175	133.35	EE239171D/239225	1	450	542	3.2	1.6	0.38	1.8	2.6	1.7	92
	571.5	133.35	136.526	LM869449D/LM869410	1	453	537	3.2	1.6	0.55	1.24	1.84	1.21	92.1
	571.5	161.925	161.925	LM769349D/LM769310	1	453	534	3.2	6.4	0.44	1.52	2.26	1.49	112
	635	173.038	173.038	EE931170D/931250	1	468	595	6.4	6.4	0.32	2.1	3.1	2.1	193
431.902	685.698	253.873	254	EE328172D/328269	1	482.4	620	6.4	6.4	0.4	1.68	2.5	1.64	359
432.003	609.524	152.4	152.4	EE736173D/736238	1	472.1	565	6.4	3.6	0.35	1.95	2.9	1.91	135
	609.524	152.4	161.925	EE736173D/736237	1	472.1	560	6.4	3.6	0.35	1.95	2.9	1.91	139



Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
442.674	635	239.713	23.838	M270746TD/M270710	2	487.5	585	6.4	3.2	0.33	2.03	3.02	1.98	244
446.204	635	223.838	231.775	M270747TD/M270710	2	489	585	6.4	3.2	0.33	2.03	3.02	1.98	237
447.675	635	223.838	223.838	M270749D/M270710	1	475	591	6.4	3.2	0.33	2	3	2	232
	635	223.838	223.838	M270749TD/M270710	2	490.5	585	6.4	3.2	0.33	2.03	3.02	1.98	234
457.073	730.148	196.85	203.2	EE671798D/672873	1	515	660	6.4	1.6	0.39	1.72	2.57	1.69	315
	749.3	412.75	419.1	EE925179D/925295	1	497	686	6.4	3.2	0.31	2.2	3.3	2.2	760
457.2	596.9	130.175	133.35	EE244181D/244235	1	475	565	3.2	1.6	0.4	1.7	2.5	1.6	96.9
	596.9	133.35	136.525	L770849D/L770810	1	476	566	3.2	1.6	0.47	1.4	2.1	1.4	98.9
	660.4	155.575	155.572	EE737179D/737260	1	500	600	6.4	3.2	0.37	1.8	2.69	1.76	175
457.403	730.148	196.85	203.2	EE671802D/672873	1	515	660	6.4	1.6	0.39	1.72	2.57	1.69	315
477.441	679.45	257.175	238.125	M272746TD/M272710	2	520	630	6.4	3.2	0.33	2.03	3.02	1.98	285
479.425	679.45	238.125	238.125	M272749TD/M272710	2	520	630	6.4	3.2	0.33	2.03	3.02	1.98	277
	679.45	238.125	238.125	M272749D/M272710	1	506	635	6.4	3.3	0.34	2	3	1.9	290
482.6	647.7	201.612	201.612	M272647D/M272610	1	510	609	6.4	3.2	0.33	2.03	3.02	1.98	185
489.026	634.873	152.4	152.4	EE243193D/243250	1	525	595	3.2	3.2	0.35	1.9	2.9	1.8	130
	634.873	153.988	153.988	LM772749D/LM772710	1	508	602	3.2	3.2	0.47	1.4	2.1	1.4	125
501.65	711.2	250.825	250.825	M274149D/M274110	1	534	663	6.4	3.2	0.33	2.03	3.02	1.98	314
	711.2	250.825	250.825	M274149TD/M274110	2	545	655	6.4	3.2	0.33	2.03	3.02	1.98	323
505.181	838.2	266.7	266.7	EE426198D/426330	1	580	755	9.5	6.4	0.48	1.41	2.1	1.38	590



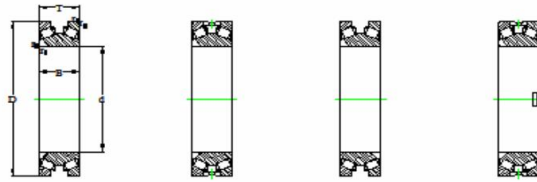
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
508	762	219.075	219.075	EE531201D/531300	1	551	710	6.4	6.4	0.38	1.8	2.6	1.7	370
	838.2	266.7	266.7	EE426201D/426330	1	580	755	9.5	6.4	0.48	1.41	2.1	1.38	585
509.588	838.2	266.7	266.7	EE426203D/426330	1	580	755	9.5	6.4	0.48	1.41	2.1	1.38	582
514.35	673.1	203.2	203.2	LM274449D/LM274410	1	540	636	6.4	3.2	0.33	2.03	3.02	1.98	189
517.657	736.6	277.813	258.763	M275346TD/M275310	2	560	680	6.4	3.2	0.33	2.03	3.02	1.98	369
519.113	736.6	258.763	258.763	M275349D/M275310	1	550	687	6.4	3.2	0.33	2	3	2	363
	736.6	258.763	258.763	M275349TD/M275310	2	560	680	6.4	3.2	0.33	2.03	3.02	1.98	361
534.723	761.873	288.925	269.875	M276446TD/M276410	2	570	700	6.4	3.2	0.33	2.03	3.02	1.98	409
536.575	761.873	269.875	269.875	M276449D/M276410	1	567	710	6.4	3.2	0.33	2	3	2	409
539.75	784.225	161.925	165.1	EE522126D/523087	1	595	715	6.4	3.2	0.48	1.42	2.11	1.39	261
	736.6	155.575	155.575	EE843220D/843290	1	585	699	6.4	3.2	0.34	1.98	2.94	1.93	177
	736.6	196.85	196.85	LM377449D/LM377410	1	583	696	6.4	3.2	0.35	1.9	2.9	1.9	237
571.5	812.8	285.75	285.75	M278749D/M278710	1	603	759	6.4	3.2	0.33	2	3	2	502
584.2	762	188.912	193.675	LM778549D/LM778510G2	1	615	717	6.4	3.2	0.47	1.43	2.14	1.4	223
595.313	844.55	296.863	296.863	M280049D/M280010	1	630	790	6.4	3.2	0.33	2	3	2	558
609.6	787.4	171.45	171.45	EE649241D/649310	1	634	749	6.4	3.2	0.37	1.8	2.7	1.8	216
	812.8	190.5	190	EE743241D/743320	1	660	755	6.4	3.2	0.33	2.06	3.06	2.01	271
	863.6	317.5	317.5	M280349D/M280310G2	1	648	807	6.4	3.2	0.33	2.03	3.02	1.98	585
635	901.7	317.5	317.5	M281049D/M281010	1	675	843	6.4	3.2	0.33	2.03	3.02	1.98	641



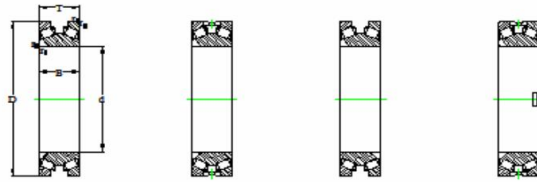
Boundary Dimensions (mm)				Designation	Design	Abutment and Fillet Dimensions (mm)				Calculation Factors				Mass (kg)
d	D	T	B			$D_{a \min}$	$D_{b \max}$	$r_{b \max}$	$r_{a \max}$	e	y_1	y_2	y_0	Refer.
657.225	933.45	328.612	328.612	M281649D/M281610G2	1	699	870	6.4	3.2	0.33	2.03	3.02	1.98	711
660.4	812.8	176.212	176.212	L281149D/L281110G2	1	684	789	6.4	3.2	0.33	2	3	2	195
679.45	901.7	265.112	265.112	LM281849D/LM281810G2	1	714	852	6.4	3.2	0.33	2.03	3.02	1.98	459
685.8	876.3	168.275	171.45	EE655271D/655345G2	1	717	831	6.4	3.2	0.42	1.61	2.4	1.58	247
708.25	930.275	273.05	273.05	LM282549D/LM282510	1	741	879	6.4	3.2	0.33	2.03	3.02	1.98	490
711.2	914.4	149.225	149.225	EE755281D/755360	1	744	873	6.4	3.2	0.38	1.77	2.64	1.73	243
714.375	1016	339.725	339.725	M383240D/M383210	1	756	953	6.4	3.2	0.35	1.9	2.9	1.9	924
730.25	1035.05	365.125	365.125	M283449D/M283410	1	790	960	6.4	3.2	0.33	2.03	3.02	1.98	1000
749.3	990.6	293	293	LM283649D/LM283610	1	786	936	6.4	3.2	0.33	2.03	3.02	1.98	606
762	1066.8	352.425	365.125	M284148D/M284111	1	819	996	6.4	3.2	0.33	2.03	3.02	1.98	968
	1079.5	381	381	M284249D/M284210	1	810	1005	12.7	4.8	0.33	2.03	3.02	1.98	1097
825.5	1168.4	409.575	409.575	M285848D/M285810	1	890	1090	12.7	4.8	0.33	2.03	3.02	1.98	1440
863.6	1130.3	323.85	323.85	LM286249D/LM286210	1	901	1067	12.7	4.8	0.33	2	3	2	915
	1219.2	425.45	438.15	EE547341D/547480	1	918	1135	12.7	4.8	0.33	2.03	3.02	1.98	1552
901.7	1295.4	438.15	450.85	634356D/634510	1	936	1190	12.7	4.8	0.35	1.9	2.9	1.8	2000
938.212	1270	400.05	400.05	LM3287649D/LM287610	1	990	1190	12.7	4.8	0.33	2.03	3.02	1.98	1444
939.8	1333.5	463.55	463.55	LM287849D/LM287810	1	996	1246	12.7	4.8	0.33	2	3	2	2170

Steep angle double outer ring double row tapered roller bearings

WNBZ



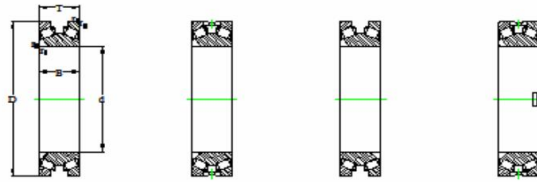
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors				Mass(kg)	Equivalent to		
d	D	B	T	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	Refer.	SKF	NSK	KOYO
100	250	120	120	3	2.5	800	1120	100TDI250-2		0.71	0.95	1.4	0.93	29.2		100KDH2102+K	45T202512
110	240	118	118	3	1	750	1080	110TDI240-1		0.81	0.83	1.2	0.81	24.6		110KDH2401+K	45T222412
120	220	110	110	2.5	1	669	1090	120TDI220-1		0.7	0.97	1.44	0.94	16			45T242211A
	230	120	120	2	1	725	1290	120TDI230-1		0.8	0.85	1.3	0.83	23.3		120KDH2601+K	
	260	130	130	3	1	875	1340	120TDI260-1		0.81	0.83	1.2	0.81	32.8		120KDH2601+K	
125	230	100	108	2.5	1.5	645	1060	125TDI230-1		0.74	0.92	1.4	0.9	18.5		125KDH2301+K	
	305	167	180	sp	6	1360	2120	125TDI305-1		0.73	0.93	1.38	0.91	60			45T253018
	305	180	180	3	4	1270	2020	125TDI305-2		0.73	0.93	1.4	0.91	64.9		125KDH3001+K	
130	330	200	200	5	2.5	1750	2910	130TDI330-1		0.73	0.93	1.38	0.91	80			45T1633
140	300	154	70	1.3	4	1099	1842		187328	0.83	0.818	1.22	0.8	50.3			
	305	160	160	5	1.5	1160	1850	140TDI305-1		0.73	0.92	1.37	0.9	58.1			
	310	164	180	4	1.5	1370	2080	140TDI310-1		0.81	0.83	1.23	0.81	62.7			45T283118
150	320	144	144	4	5	1110	1750	150TDI320-1		0.89	0.76	1.1	0.74	53.4		150KDH3201+K	45T30330D/144
	340	175	180	5	2.5	1450	2310	150TDI340-1		0.81	0.84	1.25	0.82	80			45T3034
	380	235	235	5	2.5	2320	4000	150TDI380-1		0.81	0.83	1.23	0.81	142			
160	260	130	130	3	1.5	880	1740	160TDI260-1		0.62	1.09	1.62	1.06	26.9			
170	300	100	100	3	2.5	845	1450	170TDI300-1		0.7	0.97	1.44	0.94	30.2			
	360	144	144	4	2.5	1110	2130	170TDI360-1		1.1	0.64	0.95	0.62	72.6		170KDH3605+K	
	360	144	160	4	2.5	1160	1840	170TDI360-2		1.1	0.62	0.92	0.61	70.7		170KDH3602+K	45T343616A
180	320	104	104	4	4	795	1350	180TDI320-1		0.74	0.92	1.4	0.9	34.8		180KDH3201+K	45T363210
	330	190	190	5	1.5	1610	3200	180TDI330-1		0.58	1.2	1.7	1.1	72.6		180KDH3301+K	
	380	158	158	3	4	1380	1980	180TDI380-1		0.81	0.83	1.23	0.81	87.6			
	400	232	232	4	4	2090	3600	180TDI400-1		0.81	0.83	1.23	0.81	146.5			45T3640
190	320	104	104	3	3	815	1410	190TDI320-1		0.76	0.88	1.3	0.86	32.3		190KDH3201+K	45T383210



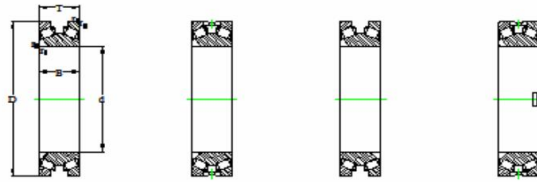
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors				Mass(kg)	Equivalent to		
d	D	B	T	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	Refer.	SKF	NSK	KOYO
	320	114	114	4	2.5	881	1570	190TDI320-2		0.87	0.78	1.16	0.76	33			45T383211A
	350	135	135	3	3	1130	1950	190TDI350-1		0.81	0.83	1.23	0.81	57.7			
200	360	170	170	4	1.5	1300	2360	200TDI360-1		0.97	0.7	1	0.68	72.7		200KDH3601+K	45T403617
	460	260	260	5	6	3120	5330	200TDI460-1		0.81	0.83	1.24	0.81	219			45T4046
210	355	130	127	3	6	1030	2340	210TDI355-1		0.59	1.1	1.7	1.1	53.8		210KDH3501+K	
	440	175	244	6	5	2070	3350	210TDI440-1		1.1	0.62	0.92	0.61	151		210KDH4402+K	45T424424
	480	230	230	6	6	3000	5150	210TDI480-1		0.7	0.97	1.4	0.94	215		210KDH4801+K	45T424823
215.9	355.6	130.175	127	3.2	6.4	1030	2340	96851D/96140		0.59	1.1	1.7	1.1	52.1		96851D/96140+K	
220	360	120	120	3	4	1000	1920	220TDI360-1		0.87	0.78	1.16	0.76	42			45T443612
228.6	431.8	158.75	158.75	6.4	3.6	1520	2640	EE113090D/113170		0.88	0.77	1.1	0.75	99.5		EE113090D/113170+K	
240	480	220	200	5	2.5	3190	5220	240TDI480-1		0.72	0.94	1.4	0.9	183			
254	585	260	285	4	4	3700	6450	254TDI585-1		1.17	0.58	0.86	0.56	392			45T515828
260	389.5	105	105	3	1.5	945	1880	260TDI389-1		0.87	0.78	1.2	0.76	42.7		260KDH3801+K	
	458.5	155	155	5	5	1760	3300	260TDI458-2		0.87	0.78	1.2	0.76	110		260KDH4501A+K	
	459	155	155	5	5	1740	3150	260TDI459-1		0.87	0.78	1.16	0.76	110			45T524616A
260.35	419.1	155.575	158.75	3.2	3.2	1640	3650	EE435103D/435165		0.61	1.1	1.7	1.1	85.2		EE435103D/435165+K	
279.578	381	88.9	111.125	6.4	3.3	825	1800	89111D/89150		0.58	1.2	1.7	1.1	32.6		89111D/89150+K	
280	410	110	110	2.5	2.5	985	1960	280TDI410-1		1.05	0.64	0.96	0.63	49			
290	450	180	180	4	2.5	1970	4250	290TDI450-1		0.64	1.1	1.6	1	103		290KDH4501+K	
300	440	105	105	4	4	960	1940	300TDI440-1		0.88	0.77	1.15	0.8	52	332168		45T604411A
	500	200	200	5	5	2500	6050	300TDI500-1		0.7	0.97	1.4	0.94	167		300KDH5001+K	
	520	180	210	4	4	2310	4500	300TDI520-1		1.2	0.57	0.85	0.56	178		300KDH5201+K	45T605221A
305	500	200	200	5	6	2250	4530	305TDI500-1		0.76	0.88	1.31	0.86	150			45T615020

Step angle double outer ring double row tapered roller bearings

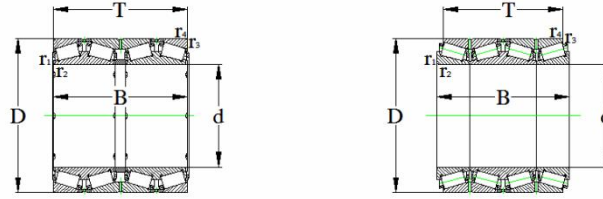
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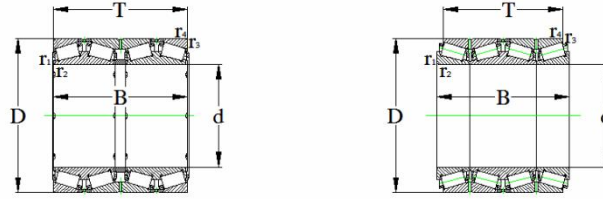
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors				Mass(kg)	Equivalent to		
d	D	B	T	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	Refer.	SKF	NSK	KOYO
305.054	499.949	200.025	200.025	6.4	6.4	1800	3630	M959442D/M959410		1.17	0.58	0.86	0.56	145			M959442D/M959410
305.07	500	200	200	6.4	4.8	1700	3550	87961K		0.79	0.854	1.27	0.835	122	332169		
305.2	500	200	200	6.4	4.8	1700	3550	87961K1		0.79	0.854	1.27	0.835	115			
318	449.5	120	120	4	2.5	1090	2420	318TDI449-1		1.05	0.64	0.96	0.63	50			45T644512
320	620	264	296	5	6	3900	7550	320TDI620-1		0.94	0.72	1.1	0.7	399		320KDH6201+K	45T6462
330	459	120	120	4	5	1050	2370	330TDI459-1		1.05	0.64	0.96	0.63	55			45T664612
	650	248	248	7.5	6	3350	6100	330TDI650-1		1.3	0.54	0.8	0.52	369		330KDH6501+K	45T666525
350	618	200	200	6	6	2880	5450	350TDI618-1		0.87	0.78	1.2	0.76	236		350KDH6102	
	619	200	200	6	6	2940	5580	350TDI619-1		0.87	0.78	1.16	0.76	260			45T706220
360	550	148	148	5	6	1940	3900	360TDI550-1		0.7	0.97	1.4	0.94	123		360KDH5501+K	45T725515
	560	160	160	5	3	2260	4420	360TDI560-1		0.72	0.94	1.4	0.9	140	BT2-8000/HA3		
	600	200	200	5	3	2880	5560	360TDI600-2		0.94	0.72	1.07	0.7	220	BT2-8002/HA3		
380	680	330	300	7.5	4	6850	12730	360TDI680-1		0.6	1.1	1.7	1.1	540			
	559.5	160	160	5	5	1890	4250	380TDI559-1		0.7	0.97	1.44	0.94	133			45T765616
380	650	240	240	6	5	3830	8260	380TDI650-1		0.8	0.85	1.26	0.83	290			45T766524
	390	600	200	200	5	6	2610	6070	390TDI600-1		0.87	0.78	1.16	0.76	200		
400	650	200	200	6	6	2870	6300	400TDI650-1		1.1	0.64	0.96	0.63	264		400KDH6503+K	45T806520B
	650	240	240	6.4	6.4	3710	7740	400TDI650-1		0.88	0.77	1.15	0.8	245	332167		2TR400
	780	268	300	7.5	7.5	4520	8240	400TDI780-1		1.17	0.58	0.86	0.56	580			45T807830
440	650	155	155	6	6	2330	5300	440TDI650-1		0.8	0.85	1.26	0.83	163			
450	720	216	216	6	6	3130	6870	450TDI720-1		1.09	0.62	0.92	0.61	290			45T907222U
	820	300	300	7.5	7.5	4990	10900	450TDI820-1		1.05	0.64	0.96	0.63	610			45T908230U
	830	288	320	7.5	7.5	5570	10900	450TDI830-1		1.05	0.64	0.96	0.63	670			45T908332



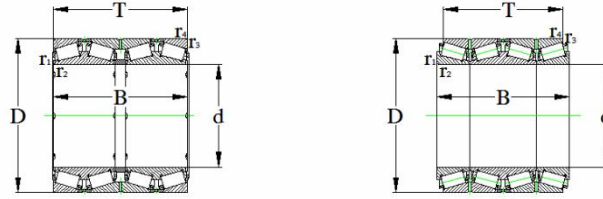
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors				Mass(kg)	Equivalent to		
d	D	B	T	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	Refer.	SKF	NSK	KOYO
460	618	150	150	4	5	1600	4150	460TDI618-1		1.1	0.64	0.96	0.63	117		460KDH6101A+K	
	619	150	150	4	5	1820	4640	460TDI619-1		1.05	0.64	0.96	1.63	130			45T926215
491	635	148	128	3.3	1.5	1800	5030	491TDI635-1		1	0.68	1	0.66	120			
500	720	185	218	6	6	2950	6800	500TDI720-1		0.7	0.97	1.4	0.95	262		500KDH7201+K	
	870	310	340	9.5	6	7450	16200	500TDI870-1		0.7	0.97	1.44	0.94	846			2TR500D
520	660	140	140	5	3	1950	5410	520TDI660-1		0.68	1	1.5	1	115	BT2-8001/HA3		
522	690	180	160	4	1.5	2720	7880	522TDI690-1		0.79	0.85	1.25	0.8	190			
540	860	256	256	7.5	7.5	5400	12100	540TDI860-1		0.7	0.97	1.4	0.94	575		540KDH8601+K	
560	820	242	242	8	2.5	4760	10830	560TDI820-2		0.88	0.77	1.15	0.8	425			
600	1000	350	350	7.5	7.5	8250	19500	600TDI1000-1		0.87	0.78	1.16	0.76	1130			2TR600
635	939.8	304.8	304.8	3.2	6.4	5400	9400	524241		0.83	0.818	1.22	0.8	721	331555B		
657.225	933.45	326.813	326.813	6.4	3.2	9800	14900	M281649D/M281610		1	0.67	1	0.66	735			
660	814	176.212	176.212	SP	SP	2690	8330	660TDI814-1		0.67	1.01	1.5	0.99	170			2TR660B
720	920	130	150	5	4	2760	7300	720TDI920-1		0.81	0.83	1.23	0.81	240			2TR720



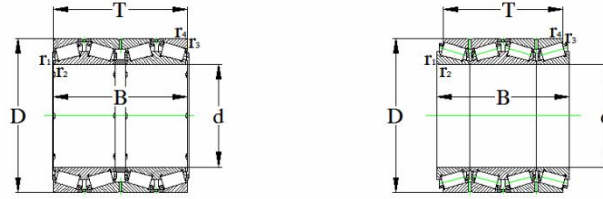
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
100	140	104	104	2	2	370	765	100TQO140-1		0.29	2.3	3.4	2.3	2.01	4.9
	165	112	112	2.5	2	474	767	100TQO165-1		0.35	1.95	2.9	1.91	1.67	8.6
	170	155	155	2.5	2	800	1320	100TQO170-1		0.32	2.1	3.2	2.1	1.82	14
105	150	110	110	1	1.5	410	805	105TQO150-1		0.4	1.7	2.5	1.7	1.46	6.2
	160	100	100	0.6	2	467	780	105TQO160-1		0.47	1.43	2.12	1.4	1.24	6.9
	160	150	150	1	1.5	635	1220	105TQO160-1		0.37	1.8	2.7	1.8	1.58	10.8
	190	210	210	2.5	2	1260	2230	105TQO190-1		0.35	1.9	2.9	1.9	1.67	26
107.95	146.05	106.365	106.365	1.5	1.5	320	705	L521949DE/L521910/L521910DE		0.39	1.7	2.6	1.7	1.50	5.1
110	150	150	150	1.5	1.5	569	1240	110TQO150-1		0.18	3.66	5.46	3.58	3.24	7.1
	155	114	114	2.5	2	435	895	110TQO155-1		0.29	2.3	3.4	2.3	2.01	6.6
	160	115	115	1	1.5	535	1010	110TQO160-1		0.43	1.6	2.3	1.5	1.36	7.4
	180	120	120	2.5	2	600	940	110TQO180-1		0.39	1.7	2.6	1.7	1.50	12.1
	180	154	154	2.5	2	882	1530	110TQO180-2		0.39	1.74	2.59	1.7	1.50	15.4
	180	170	170	1	1	989	1770	110TQO180-3		0.33	2.03	3.02	1.98	1.77	16.7
114.3	190.5	207.963	219.075	1.6	3.2	1040	1930	71451D/71750/71751D		0.42	1.62	2.42	1.59	1.39	23.3
115	160	120	120	1	1.5	505	1070	115TQO160-1		0.39	1.7	2.6	1.7	1.50	7.4
120	170	124	124	2.5	2	550	1080	120TQO170-1		0.32	2.1	3.2	2.1	1.82	8.5
	180	100	100	2.5	2	460	790	120TQO180-1		0.4	1.7	2.5	1.7	1.46	8.5
	200	132	132	2.5	2	770	1260	120TQO200-1		0.39	1.7	2.6	1.7	1.50	16.5
	210	174	174	3	2.5	1110	1770	120TQO210-1		0.33	2.03	3.02	1.98	1.77	24.6
120.65	161.925	106.365	106.365	1.5	1.5	340	695	L624549D/L624514/L624514D		0.43	1.6	2.3	1.5	1.36	6.1



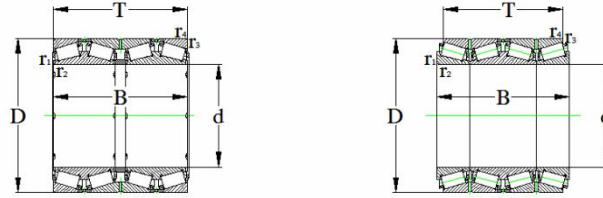
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
127	174.625	139.703	141.288	0.8	1.5	737	1560	M224749DW/M224710/M224710D		0.33	2	3	2	1.76	11
	182.562	158.75	158.75	1.5	3.3	781	1760	48290DW/48220/48220D		0.3	2.3	3.4	2.2	1.91	14
	183	160	160	1.5	3	778	1720	127TQO183-1		0.31	2.21	3.29	2.16	1.88	13.8
	196.85	193.675	193.675	1.6	3.2	1070	2240	67388D/67322/67322D		0.34	1.96	2.92	1.92	1.72	21.6
	184	134	134	2.5	2	625	1290	130TQO184-1		0.31	2.2	3.2	2.1	1.88	11.1
130	190	170	170	1	2	986	2020	130TQO190-1		0.33	2.03	3.02	1.98	1.77	16
	200	112	112	2.5	2	600	1020	130TQO200-1		0.4	1.7	2.5	1.7	1.46	12.5
	210	136	136	2.5	2	790	1270	130TQO210-1		0.39	1.7	2.6	1.7	1.50	17.2
130.175	196.85	200.025	200.025	1.6	3.2	1070	2240	67391D/67322/67323D		0.34	1.96	2.92	1.92	1.72	21.1
	222.25	127	120.396	3.6	3.2	716	1210	73512D/73875/73876D		0.44	1.54	2.3	1.51	1.33	19.8
133.35	196.85	193.675	193.675	1.6	3.2	1070	2240	67390D/67322/67322D		0.34	1.96	2.92	1.92	1.72	19.4
135	180	160	160	2	1.5	535	1280	135TQO180-1		0.28	2.4	3.6	2.4	2.08	11.1
	185	140	140	1	1	635	1370	135TQO185-1		0.29	2.3	3.4	2.3	2.01	10.9
	195	160	160	0.6	1.5	938	1930	135TQO195-1		0.33	2.03	3.02	1.98	1.77	15.4
136.525	190.5	161.925	161.925	1.6	3.2	809	1890	48393D/48320/48320D		0.32	2.1	3.13	2.06	1.82	14.2
139.7	200.025	160.338	157.162	0.8	3.3	858	2080		77928	0.33	2	3	2	1.74	15.5
	200.025	160.34	157.165	0.8	3.3	1020	2040	48680DW/48620/48620D		0.34	2.0	3.0	1.9	1.74	17
140	198	144	144	1	1.5	775	1590	140TQO198-1		0.43	1.6	2.3	1.5	1.36	13.6
	210	111	111	2.5	2	605	1060	140TQO210-1		0.4	1.7	2.5	1.7	1.46	13
	210	114	114	2.5	2	605	1060	140TQO210-2		0.4	1.7	2.5	1.7	1.46	13.8
	210	115	115	2.5	2	605	1060	140TQO210-3		0.4	1.7	2.5	1.7	1.46	13.3
	225	145	145	3	2.5	880	1450	140TQO225-1		0.4	1.7	2.5	1.7	1.46	20.9



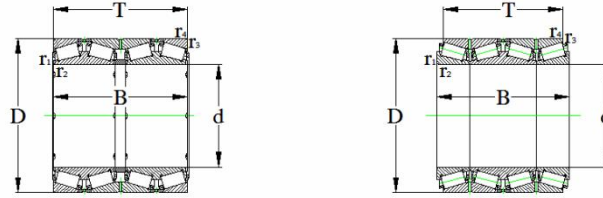
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	270	290	290	3	3	2190	3900	140TQO270-1		0.55	1.2	1.8	1.2	1.06	75.5
145	195	130	130	2	1.5	655	1430	145TQO195-1		0.31	2.2	3.3	2.1	1.88	10.7
146.05	244.475	187.325	192.088	1.6	3.2	1100	1980	81576D/81962/81963D		0.35	1.93	2.88	1.89	1.67	34.1
150	210	155	155	3	2	875	1880	150TQO210-1		0.4	1.7	2.5	1.7	1.46	16.2
	210	165	165	0.7	2.3	725	1650		2077930	0.27	2.5	3.7	2.4	2.16	21.2
	210	190	190	1.5	2	985	2310	150TQO210-2		0.39	1.7	2.5	1.7	1.50	20.3
	212	155	155	3	2.5	875	1880	150TQO212-1		0.4	1.7	2.5	1.7	1.46	17
	225	120	120	3	2.5	715	1270	150TQO225-1		0.4	1.7	2.5	1.7	1.46	16.3
	225	136	136	1.5	2	753	1410		77730	0.33	2.03	3.02	1.98	1.77	18.2
	250	170	170	3	2.5	1260	2140	150TQO250-1		0.4	1.7	2.5	1.7	1.46	32.2
152.4	222.25	174.625	174.625	1.6	1.6	1080	2390	M231649D/M231610/M231610D		0.33	2.03	3.02	1.98	1.77	22.5
	244.475	187.325	192.088	1.6	3.2	1100	1980	81601D/81962/81963D		0.35	1.93	2.88	1.89	1.67	31.9
152.781	244.475	187.325	192.088	1.6	3.2	1100	1980	81603D/81962/81963D		0.35	1.93	2.88	1.89	1.67	31.7
158.75	304.8	233.365	238.227	3.2	3.2	1880	3210	EE280625D/281200/281201D		0.36	1.87	2.79	1.83	1.62	78.2
160	226	165	165	3	2.5	925	2060	160TQO226-1		0.29	2.3	3.4	2.3	2.01	20.5
	240	130	130	3	2.5	790	1420	160TQO240-1		0.4	1.7	2.5	1.7	1.46	19.9
	240	145	145	2.5	2	811	1510	160TQO240-2		0.33	2.03	3.02	1.98	1.77	22.2
	250	145	145	3	2.5	1090	1870	160TQO250-1		0.33	2.03	3.02	1.98	1.77	25.3
	265	173	173	3	2.5	1320	2210	160TQO265-1		0.4	1.7	2.5	1.7	1.46	36.2
	270	180	180	3	2.5	1320	2210	160TQO270-1		0.4	1.7	2.5	1.7	1.46	40.3



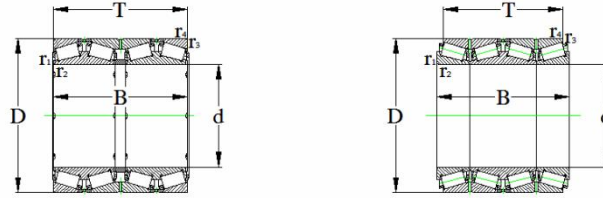
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
165	270	240	240	6	3	1780	3600	165TQO270-1		0.36	1.9	2.8	1.8	1.62	55
165.1	225.425	168.275	165.1	0.8	3.2	868	2140	46791D/46720/46720D		0.38	1.77	2.63	1.73	1.54	19.8
168.275	247.65	192.088	192.088	1.6	3.2	1190	2800	67782D/67720/67721D		0.44	1.54	2.29	1.5	1.33	31.7
170	230	175	175	2.5	2.5	990	2310	170TQO230-1		0.34	2	2.9	1.9	1.72	20.6
	240	175	175	3	2.5	1100	2400	170TQO240-1		0.4	1.7	2.5	1.7	1.46	24.5
	260	230	230	3	2.5	950	1660		2077134	0.31	2.2	3.2	2.1	1.88	43
	260	144	144	3	2.5	950	1660	170TQO260-1		0.4	1.7	2.5	1.7	1.46	25.7
	260	160	160	3	2.5	1160	2100	170TQO260-2		0.39	1.7	2.6	1.7	1.50	29.5
	280	181	181	3	2.5	1500	2570	170TQO280-1		0.4	1.7	2.5	1.7	1.46	42.3
	280	185	185	3	2.5	1500	2570	170TQO280-2		0.4	1.7	2.5	1.7	1.46	43
177.8	247.65	188.913	188.913	1.6	3.2	1190	2800	67790D/67720/67720D		0.44	1.54	2.29	1.5	1.33	27.5
	247.65	192.088	192.088	1.5	3.3	1230	3000	67790DW/67720/67721D		0.44	1.5	2.3	1.4	1.33	29
	273.05	234.947	234.95	1.6	3.2	1660	3290	82681D/82622/82622D		0.52	1.29	1.92	1.26	1.12	46.9
	279.4	234.947	234.95	1.6	3.2	1660	3290	82681D/82620/82620D		0.52	1.29	1.92	1.26	1.12	51.9
	285.75	222.245	222.5	1.6	3.2	1520	2860	EE91700D/91112/91113XD		0.43	1.57	2.34	1.53	1.36	53.7
	288.925	263.525	263.525	1.6	3.2	1890	3840	94706D/94113/94114D		0.47	1.44	2.15	1.41	1.24	67.4
	288.925	266.7	266.7	1.6	3.2	2150	3890	HM237545D/HM237510/HM237511XD		0.32	2.12	3.15	2.07	1.82	64.9
	298.45	263.525	263.525	1.6	3.2	1890	3840	94706D/94118/94118D		0.47	1.44	2.15	1.41	1.24	76.4
	304.8	233.362	238.23	3.3	3.3	1900	3250	EE280700D/281200/281201D		0.36	1.9	2.8	1.8	1.62	68
	180	250	185	185	2.5	2	1160	2720	180TQO250-1		0.44	1.5	2.3	1.5	1.33
254		185	185	2	2.5	1230	2750	180TQO254-1		0.47	1.4	2.1	1.4	1.24	29.2



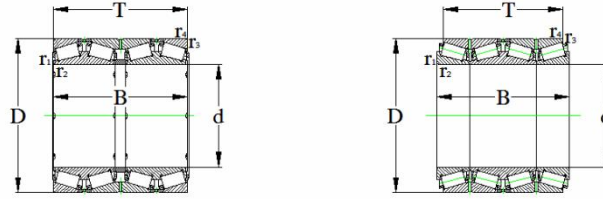
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	260	160	160	2.5	2	1030	2040	180TQO260-1		0.37	1.8	2.7	1.8	1.58	27.1
	260	200	200	2.5	2	1260	2690	180TQO260-2		0.35	1.9	2.8	1.9	1.67	34.1
	280	158	158	3	2.5	1230	2240	180TQO280-1		0.35	1.9	2.9	1.9	1.67	35.4
	280	180	180	3	2.5	1510	2830		77736	0.45	1.5	2.2	1.5	1.30	39.6
	280	181	181	3	2.5	1510	2830	180TQO280-2		0.33	2.03	3.02	1.98	1.77	39.3
	300	202	202	3	3	1610	2720	180TQO300-1		0.4	1.7	2.5	1.7	1.46	54.5
	300	280	280	3	3	2210	4350	180TQO300-2		0.34	2	3	1.9	1.72	79.8
180.975	269.875	211.138	211.138	1.6	3.2	1410	3220	M238843D/M238810/M238810D		0.33	2.03	3.02	1.98	1.77	42.2
187.325	269.875	211.138	211.138	1.6	3.2	1410	3220	M238849D/M238810/M238810D		0.33	2.03	3.02	1.98	1.77	39.6
	282.575	190.05	190.05	0.8	3.2	1200	2830	67975D/67920/67921XD		0.51	1.33	1.97	1.3	1.14	43.2
190	260	200	200	2.5	2	1260	3690	190TQO260-1		0.36	1.9	2.8	1.8	1.62	29
	268	196	196	3	2.5	1380	3100	190TQO268-1		0.4	1.7	2.5	1.7	1.46	34.1
	270	160	160	1	2.5	1170	2370	190TQO270-1		0.4	1.68	2.5	1.64	1.46	28
	270	190	190	1.5	2.5	1380	3100	190TQO270-2		0.4	1.7	2.5	1.7	1.46	34.7
	290	160	160	3	2.5	1250	2210	190TQO290-1		0.39	1.7	2.6	1.7	1.50	36.1
	292.1	225.425	225.425	1.6	3.2	1870	4110	M241538D/M241510/M241510D		0.33	2.03	3.02	1.98	1.77	55.2
	320	218	218	3	3	1990	3550	190TQO320-1		0.4	1.7	2.5	1.7	1.46	71.2
190.5	266.7	188.913	187.325	1.6	3.2	1160	2810	67885D/67820/67820D		0.48	1.42	2.11	1.38	1.22	32.4
	368.3	327.025	320.675	3.2	3.2	3220	5840	EE420750D/421450/421451D		0.4	1.68	2.5	1.64	1.46	163
198.438	284.163	225.425	225.425	1.6	3.2	1740	3780	M240648D/M240611/M240611D		0.33	2.03	3.02	1.98	1.77	42.7
200	280	206	206	3	2.5	1530	3450	200TQO280-1		0.4	1.7	2.5	1.7	1.46	38.1
	280	220	220	1	2.5	1500	3600	200TQO280-2		0.4	1.68	2.5	1.64	1.46	41.7



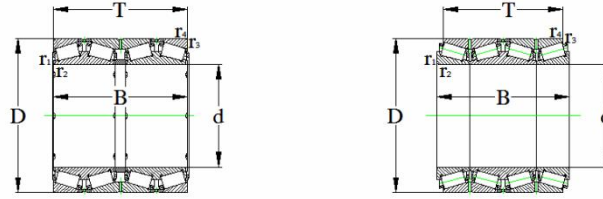
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	282	206	206	3	2.5	1530	3450	200TQO282-1		0.4	1.7	2.5	1.7	1.46	39.6
	310	174	174	3	2.5	1380	2640	200TQO310-1		0.4	1.7	2.5	1.7	1.46	47.2
	310	200	200	3	2.5	1660	3100		77740	0.39	1.7	2.6	1.7	1.50	53.6
	310	275	275	3	2.5	1660	3100		2077140	0.39	1.7	2.6	1.7	1.50	75.1
	340	234	234	3	3	2220	4100	200TQO340-1		0.4	1.7	2.5	1.7	1.46	87.3
203.2	314.325	239.713	239.713	1.6	3.2	2100	4890	M244240DW/M244210/M244210D		0.33	2.03	3.02	1.98	1.77	70.2
	317.5	209.55	209.55	3.2	3.2	1510	2900	EE132081D/132125/132126D		0.31	2.15	3.2	2.1	1.88	60.2
	317.5	209.55	215.9	3.2	3.2	1510	2900	EE132082D/132125/132126D		0.31	2.15	3.21	2.11	1.88	60.9
	317.5	266.7	266.7	1.6	3.2	2070	4540	93800D/93125/93127D		0.52	1.29	1.92	1.26	1.12	76.8
	368.3	327.025	320.675	3.2	3.2	3220	5840	EE420800D/421450/421451D		0.4	1.68	2.5	1.64	1.46	153
	368.3	327.025	327.025	3.2	3.2	3220	5840	EE420801D/421450/421451D		0.4	1.68	2.5	1.64	1.46	154
205	320	203.5	203.5	4	3	1900	3650	205TQO320-1		0.46	1.5	2.2	1.4	1.29	54.5
	320	205	205	3	3	1710	3150		77741	0.4	1.7	2.5	1.7	1.46	58.1
206.375	282.575	184.15	184.15	0.8	3.2	1200	2830	67985D/67920/67920D		0.51	1.33	1.97	1.3	1.14	33.9
	282.575	190.5	190.5	0.8	3.2	1200	2830	67986D/67920/67921D		0.51	1.33	1.97	1.3	1.14	34.1
215.9	288.925	177.8	177.8	0.8	3.2	1220	3120	LM742749D/LM742714/LM742714D		0.48	1.4	2.09	1.37	1.22	32.5
	336.55	266.7	266.7	6.4	3.2	2430	4760	47T433427		0.5	1.34	2	1.32	1.17	85.1
	355.6	254	254	1.6	1.6	2490	5220	EE130850D/131400/131401D		0.33	2.04	3.04	2	1.77	104
	355.6	260.35	260.35	1.6	1.6	2490	5220	EE130850D/131400/131402D		0.33	2.04	3.04	2	1.77	106
	355.6	269.875	273.05	6.4	3.2	2260	5260	96851D/96140/96140D		0.59	1.14	1.7	1.12	0.99	111
216.103	330.2	269.875	263.525	1.6	3.2	2270	4710	9974D/9920/9920D		0.55	1.22	1.82	1.19	1.06	79.7
220	300	230	230	3	2.5	1650	4000	220TQO300-1		0.41	1.7	2.5	1.6	1.42	47.1



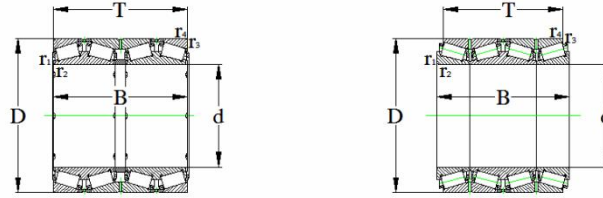
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	310	226	226	3	3	1770	4000	220TQO310-1		0.4	1.7	2.5	1.7	1.46	52.2
	320	200	200	1	3	1760	4050	220TQO320-1		0.33	2	3	2	1.76	54
	320	201	201	3	3	1660	3760	220TQO320-2		0.33	2.03	3.02	1.98	1.77	52
	320	250	250	3	3	2050	4750	220TQO320-3		0.33	2	3	2.0	1.77	68
	330	260	260	3	3	2250	4700	220TQO330-1		0.55	1.2	1.8	1.2	1.06	75.7
	340	190	190	3	3	1480	2790	220TQO340-1		0.4	1.7	2.5	1.7	1.46	60.5
	340	303.5	303.5	4	3	3080	6700	220TQO340-2		0.43	1.6	2.3	1.6	1.36	100
	340	305	305	4	3	2910	5940		2077144	0.35	1.95	2.9	1.91	1.67	97.6
	370	250	250	4	4	2500	4500	220TQO370-1		0.39	1.7	2.6	1.7	1.50	106
220.663	314.325	239.713	239.713	1.6	3.2	2100	4890	M244249D/M244210/M244210D		0.33	2.03	3.02	1.98	1.77	56.9
225	320	230	230	2.5	2	1800	4150	225TQO320-1		0.41	1.6	2.4	1.6	1.42	58.8
225.425	355.6	254	254	5.6	1.6	2490	5220	EE130887D/131400/131401D		0.33	2.04	3.04	2	1.77	97.2
	355.6	260.35	260.35	5.6	1.6	2490	5220	EE130887D/131400/131402D		0.33	2.04	3.04	2	1.77	99
228.6	311.15	200.025	200.025	1.6	3.2	1660	3760	LM245149D/LM245110/LM245110D		0.33	2.03	3.02	1.98	1.77	41.8
	355.6	254	254	5.6	1.6	2490	5220	EE130901D/131400/131401D		0.33	2.04	3.04	2	1.77	95
	355.6	260.35	266.7	1.5	1.5	2900	5000	EE130904DW/130400/130402D		0.34	2.0	3.0	1.9	1.69	101
	355.6	260.35	260.35	1.6	1.6	2490	5220	EE130900D/131400/131402D		0.33	2.04	3.04	2	1.77	96.9
	364	296.875	296.875	3.2	3.2	3030	5940	228TQO364A-1		0.32	2.12	3.15	2.07	1.82	115
	400.05	296.875	296.875	3.2	3.2	3120	5910	EE529091D/529157/529158XD		0.31	2.19	3.25	2.14	1.88	155
	400.05	327.025	330.2	3.2	3.2	3390	6420	EE430901D/431575/431576D		0.44	1.54	2.29	1.5	1.33	173



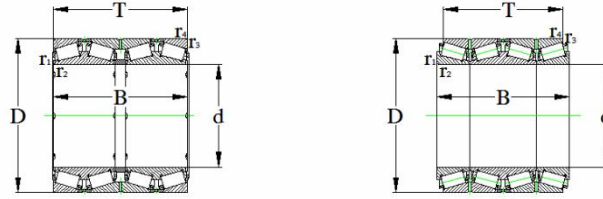
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	425.45	361.95	349.25	3.6	6.4	4030	7900	EE700090D/700167/700168D		0.33	2.03	3.02	1.98	1.77	235
	425.45	361.95	355.6	3.2	6.4	4030	7900	EE700092D/700167/700168D		0.33	2.03	3.02	1.98	1.77	237
230	315	190	190	2.5	2	1510	3450	230TQO315-1		0.36	1.9	2.8	1.8	1.62	43.1
234.95	327.025	196.85	196.85	1.6	3.2	1600	3720	8576D/8520/8520D		0.41	1.66	2.47	1.62	1.42	47.4
235	325	240	240	1.5	2.5	2200	5310	235TQO325-1		0.33	2.03	3.02	1.98	1.77	60.5
240	320	250	250	3	2.5	1840	4750	240TQO320-1		0.33	2	3	2.0	1.77	54.7
	338	248	248	4	3	2380	5500	240TQO338-1		0.4	1.7	2.5	1.6	1.51	70
	350	230	230	1.5	2	2140	4500	240TQO350-1		0.42	1.6	2.4	1.6	1.39	72
	360	194	194	3	3	1850	3600	240TQO360-1		0.35	1.9	2.9	1.9	1.67	66.9
	360	218	218	3	3	2050	4150	240TQO360-2		0.43	1.6	2.3	1.5	1.36	76.5
	360	308.5	308.5	4	3	3300	7350	240TQO360-3		0.33	2	3	2	1.77	110
	360	310	310	4	3	3300	7350		2077148	0.31	2.2	3.2	2.1	1.9	90.5
	365	290	290	2.5	2.5	2720	5700	240TQO365-1		0.46	1.5	2.2	1.4	1.27	106
	400	266	266	4	4	2680	4900	240TQO400-1		0.4	1.7	2.5	1.7	1.46	127
	410	270	270	5	4	3030	5490	240TQO410-1		0.29	2.32	3.45	2.26	2.01	145
241.224	349.148	228.6	228.6	1.6	3.2	1900	4100	EE127094D/127135/127136D		0.35	1.91	2.84	1.86	1.67	70.9
	355.498	228.6	228.6	1.6	3.2	1900	4100	EE127094D/127138/127139D		0.35	1.91	2.8/4	1.86	1.67	77.1
241.3	368.3	204.47	204.622	1.6	3.2	1740	3700	EE170951D/171450/171451D		0.36	1.86	2.77	1.82	1.62	81.4
241.478	349.148	228.6	228.6	1.6	3.2	1900	4100	EE127097D/127135/127136D		0.35	1.91	2.84	1.86	1.67	70.4
	350.838	228.6	228.6	1.6	3.2	1900	4100	EE127097D/127137/127137D		0.35	1.91	2.84	1.86	1.67	72.4
	355.498	228.6	228.6	1.6	3.2	1900	4100	EE127097D/127138/127139D		0.35	1.91	2.84	1.86	1.67	76.9



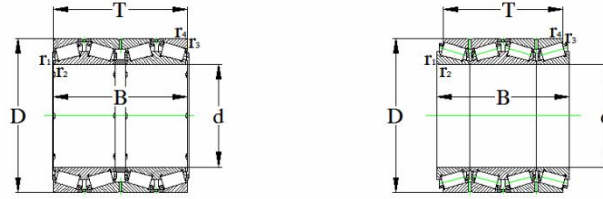
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
244.475	327.025	193.675	193.675	1.6	3.2	1570	3780	LM247748D/LM247710/LM247710D		0.32	2.1	3.13	2.06	1.82	44.7
	381	304.8	304.8	3.2	4.8	2700	5870	EE126096D/126150/126151D		0.52	1.31	1.95	1.28	1.12	125
245	380	254	255.5	1.5	4	2640	5600	245TQO380-1		0.44	1.5	2.3	1.4	1.32	105
247.65	400.05	253.995	249.235	1.6	6.4	2600	5140	EE220975D/221575/221576D		0.39	1.71	2.54	1.67	1.50	119
250	350	240	240	1	2.5	2180	4970	250TQO350-1		0.4	1.68	2.5	1.64	1.46	66.4
	360	186	186	2.5	2	1770	3550	250TQO360-1		0.4	1.7	2.5	1.7	1.46	59.1
	365	270	270	2.5	3.3	2600	6150	250TQO365-1		0.33	2	3	2.0	1.77	96.2
	370	220	220	4	4	1980	4400	250TQO370-1		0.37	1.8	2.7	1.8	1.58	80.8
	381	320	320	2.5	3	3150	7100	250TQO381-1		0.55	1.2	1.8	1.2	1.06	130
	460	270	270	5	4	3470	6720		77750						192
250.825	431.724	298.453	292.895	3.6	3.6	3470	6720	HM252340D/HM252315/HM252315D		0.33	2.03	3.02	1.98	1.77	181
254	358.775	257.175	292.1	3.5	1.5	2860	7100	M249749/249749DW/249710D		0.33	2	3	2	1.76	90.5
	358.775	269.875	269.875	1.5	3.3	2860	7100	M249749DW/M249710/M249710D		0.33	2	3	2	1.76	88
	368.3	204.47	204.622	1.6	3.2	1740	3700	EE171000D/171450/171451D		0.36	1.86	2.77	1.82	1.62	73.6
	422.275	305.595	292.895	3.6	3.2	3470	6720	HM252343D/HM252310/HM252311D		0.33	2.03	3.02	1.98	1.77	165
	422.275	311.15	298.45	3.6	3.2	3470	6720	HM252343D/HM252310/HM252310D		0.33	2.03	3.02	1.98	1.77	168
	422.275	317.5	314.325	6.7	3.2	3470	6720	HM252342D/HM252310/HM252310D		0.33	2.03	3.02	1.98	1.77	171
	431.724	298.453	292.895	3.6	3.6	3470	6720	HM252344D/HM252315/HM252315D		0.33	2.03	3.02	1.98	1.77	179
	444.5	279.4	279.4	3.2	6.4	2950	5540	EE822101D/822175/822176D		0.42	1.62	2.42	1.59	1.39	180
260	360	265	265	3	2.5	2520	5950	382952/HC							77.8
	360	272	272	3	2.5	2520	5950	260TQO360-1		0.34	2	3	1.9	1.72	82.2
	368	268	268	4	4	2490	5550	260TQO368-1		0.32	2.1	3.2	2.1	1.82	87.1



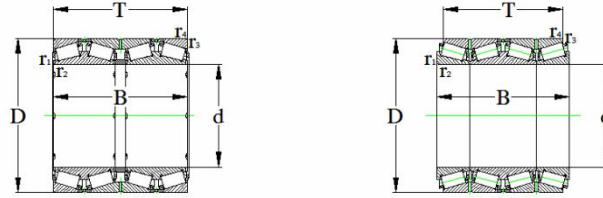
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	400	213	213	4	4	2230	4200	260TQO400-1		0.4	1.7	2.5	1.7	1.46	92.9
	400	220	220	4	4	2230	4200	260TQO400-2		0.4	1.7	2.5	1.7	1.46	96
	400	255	255	5	7.5	2620	5400		77752	0.39	1.72	2.56	1.68	1.50	113
	400	320	320	4	4	3750	7950	260TQO400-4		0.35	1.9	2.8	1.9	1.67	144
	400	344	344	5	4	3770	7920	260TQO400-5		0.29	2.32	3.45	2.26	2.01	155
	400	345	345	5	4	3770	7920		382052						
	440	298.5	298.5	2.5	5	3910	7350	260TQO440-1		0.54	1.25	1.8	1.3	1.07	190
	440	300	300	5	4	3550	8250		777752	0.35	1.9	2.9	1.9	1.67	196
260.35	365.125	228.6	228.6	3.2	6.4	1940	4300	EE134103D/134143/134144D		0.37	1.8	2.69	1.76	1.58	72
	400.05	253.995	249.235	6.4	6.4	2600	5140	EE221025D/221575/221576D		0.39	1.71	2.54	1.67	1.50	109
	400.05	253.995	255.585	1.6	6.4	2600	5140	EE221027D/221575/221576D		0.39	1.71	2.54	1.67	1.50	110
	422.275	305.595	292.895	3.6	3.2	3470	6720	HM252347D/HM252310/HM252311D		0.33	2.03	3.02	1.98	1.77	159
	422.275	311.15	298.45	3.6	3.2	3470	6720	HM252347D/HM252310/HM252310D		0.33	2.03	3.02	1.98	1.77	162
	422.275	317.5	314.325	6.4	3.2	3470	6720	HM252349D/HM252310/HM252310D		0.33	2.03	3.02	1.98	1.77	166
	431.724	298.453	292.895	3.6	3.6	3470	6720	HM252347D/HM252315/HM252315D		0.33	2.03	3.02	1.98	1.77	173
266.7	355.6	228.6	230.188	1.6	3.2	2080	5100	LM451349D/LM451310/LM451310D		0.36	1.87	2.79	1.83	1.62	62.2
	393.7	269.878	269.878	3.2	6.4	2530	6170	EE275106D/275155/275156D		0.4	1.68	2.5	1.64	1.46	108
	406.4	260.335	268.29	3.2	6.4	2530	6170	EE275106D/275160/275161D		0.4	1.68	2.5	1.64	1.46	128
269.875	381	282.575	282.575	3.2	3.2	2930	6690	M252349D/M252310/M252310D		0.33	2.03	3.02	1.98	1.77	99.7
270	364	260	260	1.5	2	2240	5700	270TQO364-1		0.39	1.7	2.6	1.7	1.50	76.7
	410	222	222	4	4	2320	4400	270TQO410-1		0.35	1.9	2.9	1.9	1.67	99.7
276.225	380.898	203.2	187.325	3.3	6.4	1650	3600	89108D/89149/89149XD		0.58	1.2	1.7	1.1	1.01	64.4



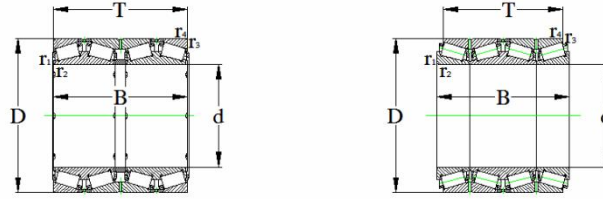
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	381	193.675	187.325	3.2	3.2	1610	3900	89108D/89148/89151XD		0.59	1.15	1.72	1.13	0.99	64.2
	381	209.55	187.325	3.2	6.4	1610	3900	89108D/89150/89151XD		0.59	1.15	1.72	1.13	0.99	67.2
	393.7	269.878	269.878	1.6	6.4	2530	6170	EE275109D/275155/275156D		0.4	1.68	2.5	1.64	1.46	105
	406.4	260.335	268.29	1.6	6.4	2530	6170	EE275109D/275160/275161D		0.4	1.68	2.5	1.64	1.46	119
279.4	381	269.875	269.875	1.5	3.3	2920	7500	279TQO381A-1		0.35	1.9	2.9	1.8	1.64	91
	393.7	269.875	269.875	1.6	6.4	2410	5560	EE135111D/135155/135156D		0.38	1.77	2.64	1.73	1.54	101
	407	288	320	3.5	1.5	3580	9000	M255449/M255440DW/M255411		0.33	2	3	2	1.73	140
	410	310	310	1.6	6.4	3120	7290	279TQO410-1		0.4	1.68	2.5	1.64	1.46	140
	469.9	349.25	346.075	6.4	3.2	4210	8740	EE722111D/722185/722186D		0.38	1.79	2.67	1.75	1.54	247
	469.9	390.525	384.175	9.5	3.2	4210	8740	EE722112D/722185/722186D		0.38	1.79	2.67	1.75	1.54	265
	495.3	285.75	282.735	1.6	3.2	3500	6440	EE941106D/941950/941951XD		0.4	1.68	2.5	1.64	1.46	236
	495.3	292.1	289.085	1.6	3.2	3500	6440	EE941106D/941950/941952XD		0.4	1.68	2.5	1.64	1.46	240
279.578	380.898	244.475	244.475	1.6	3.2	2280	5650	LM654644D/LM654610/LM654610D		0.43	1.57	2.34	1.53	1.36	76.9
	381	193.675	187.325	3.2	3.2	1610	3900	89111D/89148/89151XD		0.59	1.15	1.72	1.13	0.99	62.1
	381	209.55	187.325	3.2	6.4	1610	3900	89111D/89150/89151XD		0.59	1.15	1.72	1.13	0.99	65.1
	495.3	292.1	289.085	1.5	3.3	3700	7150	EE941106D/941950/941952XD		0.4	1.7	2.5	1.7	1.46	240
280	380	290	290	1	2.5	3030	8000	280TQO380-1		0.28	2.4	3.6	2.5	2.07	95
	395	288	288	2	4	3470	8300	280TQO395-1		0.28	2.4	3.6	2.5	2.12	110
	420	224	224	4	4	2480	4950	280TQO420-1		0.4	1.7	2.5	1.7	1.46	109
	420	250	250	4	4	2780	5700		77756	0.42	1.6	2.4	1.6	1.39	117
	420	343.5	343.5	5	4	3460	7440	280TQO420-3		0.33	2.03	3.02	1.98	1.77	161
	460	305	305	5	5	4000	7700	280TQO460-1		0.39	1.7	2.6	1.7	1.50	197



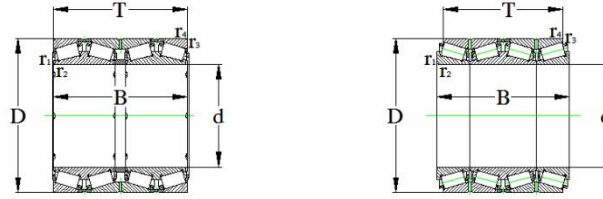
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	460	324	324	5	5	4100	7850	280TQO460-2		0.47	1.4	2.1	1.4	1.24	214
285.75	380.898	244.475	244.475	1.6	3.2	2280	5650	LM654648D/LM654610/LM654610D		0.43	1.57	2.34	1.53	1.36	75.8
	469.9	292.1	296.047	1.6	3.2	3910	6920	EE921151D/921850/921851D		0.29	2.31	3.44	2.26	2.01	201
	476.25	292.1	296.047	1.6	3.2	3910	6920	EE921126D/921875/921876D		0.29	2.31	3.44	2.26	2.01	211
288.925	406.4	298.45	298.45	3.2	3.2	3450	8840	M255449D/M255410/M255410D		0.34	2	2.97	1.95	1.72	124
292.1	422.275	269.875	269.875	6.4	3.2	3170	6830	EE330116D/330166/330167D		0.32	2.11	3.14	2.06	1.82	124
	298.45	444.5	241.3	238.125	7.9	1.6	2470	5520	EE291176D/291750/291751D		0.38	1.79	2.66	1.75	1.54
299.974	439.949	279.4	280.988	3.2	4.8	2700	6450	EE129119D/129174/129175XD		0.4	1.68	2.5	1.64	1.46	145
300	420	310	310	4	4	3250	8150		77860U	0.29	2.3	3.4	2.3	2.01	132
	424	310	310	4	4	3050	7700	300TQO424-1		0.4	1.7	2.5	1.7	1.46	138
	430	280	280	3	3	3050	6950	300TQO430-1		0.47	1.4	2.1	1.4	1.24	129
	430	300	300	3	3	3550	8250	300TQO430-2		0.35	1.9	2.9	1.9	1.67	141
	440	279.4	280.988	3.3	4.8	3150	6400	EE129119D/129174/129175D		0.4	1.7	2.5	1.7	1.46	145
	460	248	248	4	4	2910	6050	300TQO460-1		0.42	1.6	2.4	1.6	1.39	146
	460	360	360	4	4	4450	9900	300TQO460-2		0.31	2.2	3.3	2.1	1.88	216
	460	388.5	388.5	5	5	5390	12500	300TQO460-3		0.33	2	3	2	1.82	240
	460	390	390	5	4	5390	12500	2077160							
	470	270	270	4	4	3750	7500	300TQO470-1		0.33	2	3	2.0	1.77	181
	470	292	292	4	4	4100	8350	300TQO470-2		0.33	2	3	2.0	1.77	196
	470	310	310	4	4	3900	7850	300TQO470-3		0.36	1.9	2.8	1.8	1.62	197
	500	332	332	5	5	4650	8950	300TQO500-1		0.39	1.7	2.6	1.7	1.50	254



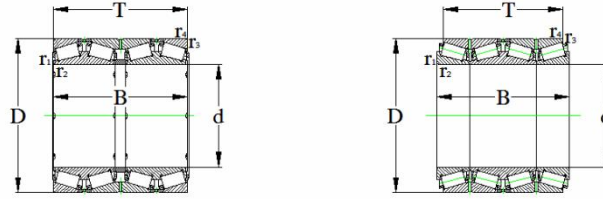
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	500	350	350	5	4	4800	9300		77760U						280
	500	380	380	5	5	4900	9600	300TQO500-2		0.35	1.9	2.9	1.9	1.67	300
300.038	422.275	311.15	311.15	3.2	3.2	3390	8050	HM256849D/HM256810/HM256810D		0.34	2	2.98	1.96	1.72	126
304.648	438.048	279.4	280.988	3.2	4.8	2700	6450	EE129121D/129172/129173D		0.4	1.68	2.5	1.64	1.46	137
304.8	412.75	266.7	266.7	3.2	3.2	2990	7280	304TQO412A-1		0.32	2.12	3.15	2.07	1.82	100
	419.1	269.875	269.875	1.6	6.4	2840	6950	M257149D/M257110/M257110D		0.33	2.03	3.02	1.98	1.77	111
	444.5	241.3	238.125	7.9	1.6	2470	5520	EE291200D/291750/291751D		0.38	1.79	2.66	1.75	1.54	125
	444.5	241.3	247.65	7.9	1.6	2470	5520	EE291202D/291750/291751D		0.38	1.79	2.66	1.75	1.54	127
	482.6	345	345	3.3	4.8	5150	10400	304TQO482A-1		0.33	2	3	2.0	1.77	245
	482.6	377.825	365.125	3.3	4.8	5150	10500	304TQO482A-2		0.37	1.8	2.7	1.8	1.58	223
	495.3	285.75	282.735	1.6	3.2	3760	7690	EE941206D/941950/941951XD		0.4	1.68	2.5	1.64	1.46	217
	495.3	292.1	289.085	1.6	3.2	3760	7690	EE941206D/941950/941952XD		0.4	1.68	2.5	1.64	1.46	221
	495.3	292.1	295.435	1.6	3.2	3500	6440	EE941207D/941950/941952XD		0.4	1.68	2.5	1.64	1.46	215
	495.3	349.25	342.9	3.2	6.4	4370	9370	EE724121D/724195/724196D		0.4	1.68	2.5	1.64	1.46	283
	501.65	336.55	336.55	3.2	4.8	4870	9420	304TQO501A-1		0.33	2.03	3.02	1.98	1.77	262
304.902	412.648	266.7	266.7	3.2	3.2	2990	7280	M257248D/M257210/M257210D		0.32	2.12	3.15	2.07	1.82	102
305.003	438.048	279.4	280.99	3.2	4.8	3230	6980	M757449D/M757410/M757410D		0.47	1.44	2.15	1.41	1.24	132
310	430	310	310	3	3	3450	8500	310TQO430-1		0.34	2	2.9	1.9	1.72	135
	455	222	222	4	4	2520	5100	310TQO455-1		0.39	1.7	2.6	1.7	1.50	117
	460	325	325	1.5	5	4050	9200	310TQO460-1		0.41	1.6	2.4	1.6	1.42	186



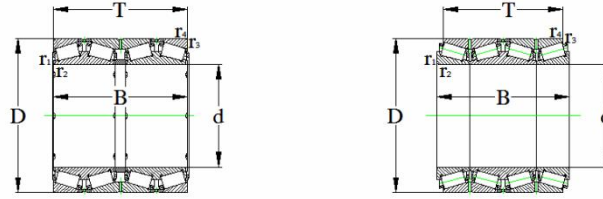
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
317.5	422.275	269.875	269.875	1.6	3.2	2930	7450	LM258649D/LM258610/LM258610D		0.32	2.12	3.15	2.07	1.82	104
	438.15	276.225	276.225	1.5	3.3	3520	8300	317TQO438A-1		0.43	1.6	2.3	1.6	1.34	125
	447.675	327.025	327.025	3.2	3.2	4230	10200	HM259049D/HM259010/HM259010D		0.33	2.02	3	1.97	1.77	165
320	440	335	335	3	3	3550	8750	320TQO440-1		0.33	2	3	2.0	1.77	146
	460	325	325	4	4	3850	8650	320TQO460-1		0.42	1.6	2.4	1.6	1.39	170
	460	338	338	4	4	3950	9200	320TQO460-2		0.4	1.7	2.5	1.7	1.46	178
	480	254	254	4	4	3150	6250	320TQO480-1		0.39	1.7	2.6	1.7	1.50	156
	480	360	360	1.5	2.5	4400	10000	320TQO480-2		0.47	1.4	2.1	1.4	1.24	227
	480	380	380	5	4	4700	9600		2077164						252
	500	380	380	1.5	4	5540	11900	320TQO500-1		0.33	2.03	3.02	1.98	1.77	284
	540	364	364	5	5	5750	11500	320TQO540-1		0.39	1.7	2.6	1.7	1.50	352
430	230	230	1	3	2410	5800	325TQO430-1		0.4	1.68	2.5	1.64	1.46	82.9	
327.025	482.6	311.15	306.388	1.5	3.3	3400	7350	EE526129D/526190/526191D		0.39	1.7	2.6	1.7	1.50	185
330	460	240	240	3	3	2630	6400	330TQO460-1		0.47	1.4	2.1	1.4	1.24	123
330.2	444.5	301.625	301.625	3.3	3.3	3800	8500	M260149D/M260110/260110D		0.4	1.7	2.5	1.7	1.46	136
	482.6	311.15	306.388	1.6	3.2	3700	8190	EE526131D/526190/526191D		0.39	1.73	2.57	1.69	1.50	188
	508	290	290	6.4	6.4	4020	7760	330TQO508A-1		0.49	1.38	2.06	1.35	1.19	210
	508	292.1	292.1	6.4	3.3	4000	8150	330TQO508A-2		0.4	1.7	2.5	1.7	1.46	214
	508	307.975	307.975	2	5	4590	9050	330TQO508A-3		0.29	2.32	3.45	2.26	2.01	219
	533.4	280	280	6	2	3830	7500	330TQO533A-1		0.33	2.03	3.02	1.98	1.77	225
540	290	290	6	5	4520	8890	330TQO540A-1		0.33	2.03	3.02	1.98	1.77	277	
330.302	438.023	254	247.65	1.5	3.3	3250	6800	EE138131D/138172/138173D		0.44	1.5	2.3	1.5	1.33	108



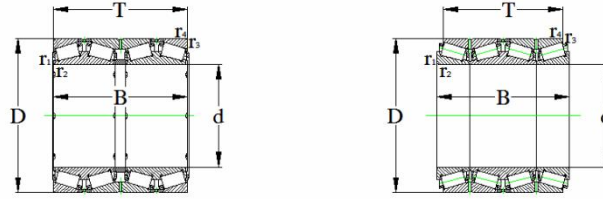
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
333.375	469.9	328.612	366.712	6.4	1.5	4570	11400	333TQI469A-1		0.33	2	3	2	1.73	190
	469.9	342.9	342.9	3.2	3.2	4630	11400	HM261049D/HM261010/HM261010D		0.33	2.02	3	1.97	1.77	184
335	460	342.9	342.9	3.3	3.3	3900	9850	335TQO460-1		0.39	1.7	2.6	1.7	1.50	167
340	420	278	278	6	5	3470	7710	340TQO420-1		0.26	2.55	3.8	2.5	2.24	207
	460	254	254	3	3	2630	6400	340TQO460-1		0.47	1.4	2.1	1.4	1.24	118
	460	310	310	4	4	2930	7250		2077968						147
	480	350	350	5	5	4000	10100	340TQO480-1		0.29	2.3	3.4	2.3	2.01	198
	520	278	278	6	5	4050	8250	340TQO520-1		0.39	1.7	2.6	1.7	1.50	213
	520	323	323	6	5	4380	8920	340TQO520-2		0.4	1.68	2.5	1.64	1.46	242
	520	323.5	323.5	1.5	5	5230	10400	340TQO520-3		0.3	2.3	3.4	2.2	2.01	245
	520	325	325	5	5	4700	9600		381068	0.3	2.3	3.4	2.2	1.95	251
	580	392	392	5	5	6150	12200	340TQO580-1		0.39	1.7	2.6	1.7	1.50	442
341.312	457.098	254	254	1.5	3.3	2930	7250	LM761648DW/LM761610/LM761610D		0.45	1.5	2.2	1.5	1.30	116
342.9	533.4	301.625	307.985	3.2	3.2	3740	7160	EE971355D/972100/972103D		0.33	2.03	3.02	1.98	1.77	238
	571.5	342.9	342.9	3.3	6.4	6550	10600	EE536136D/536225/536226D		0.33	2	3	2.0	1.77	369
343.052	457.098	209	209	1.6	2	2350	5360	343TQO457A-1		0.47	1.43	2.12	1.4	1.24	91.1
	457.098	254	254	1.6	3.3	2500	6670	LM961548D/LM961511/LM961511D		0.71	0.95	1.41	0.93	0.82	115
346.075	457.2	254	254	1.6	3.2	2850	6950	346TQO457A-1		0.47	1.43	2.12	1.4	1.24	102
	488.95	358.775	358.775	3.3	3.3	4550	11200	HM262749D/HM262710/HM262710D		0.36	1.9	2.8	1.8	1.62	210
347.662	469.9	246.063	280.194	3.3	1.5	3360	8280	347TQI469A-1		0.33	2	3	2	1.76	135
	469.9	260.35	260.35	1.5	3.3	3100	7500	LM262449DW/LM262410/LM262410D		0.33	2	3	2.0	1.77	129



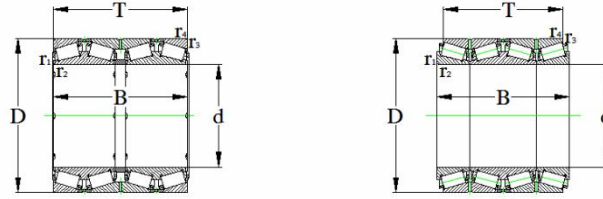
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)	
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.	
	469.9	292.1	292.1	3.2	3.2	3600	9040	M262449D/M262410/M262410D		0.33	2.03	3.02	1.98	1.77	146	
355	490	316	316	2	4	4100	9750	355TQO490-1		0.33	2	3	2.0	1.77	177	
355.6	444.5	241.3	241.3	1.6	3.2	2220	6890	L163149D/L163110/L163110D		0.31	2.2	3.27	2.15	1.88	85.5	
	457.2	252.412	252.412	1.5	3.3	3450	8150	LM263149DW/LM263110/LM263110D		0.32	2.1	3.1	2.1	1.83	104	
	482.6	269.875	265.112	1.6	3.2	3060	7020	LM763449D/LM763410/LM763410D		0.47	1.43	2.14	1.4	1.24	138	
	488.95	317.5	317.5	1.6	3.2	4370	10900	M263349D/M263310/M263310D		0.33	2.03	3.02	1.98	1.77	174	
	514.35	260.35	244.475	3.2	3.2	2710	6560	EE231401D/232025/232026D		0.44	1.53	2.28	1.5	1.33	177	
356.387 360	482.6	222.25	219.075	1.6	6.4	2100	4990	EE161403D/161900/161901D		0.5	1.35	2.01	1.32	1.17	116	
	480	370	370	3	3	4150	11100	360TQO480-1		0.33	2	3	2.0	1.77	181	
	480	375	375	3	3	4150	11200		77872	0.33	2	3	2.0	1.77	183	
	508	370	370	3	5	4750	11900	360TQO508-1		0.4	1.7	2.5	1.7	1.46	235	
	510	380	380	2	6	5610	14300	360TQO510-1		0.33	2	3	2	1.81	255	
	520	370	370	3	5	5050	11700	360TQO520-1		0.33	2.1	3.1	2.0	1.77	256	
	520	410	410	6	5	5970	14300	360TQO520-2		0.33	2.03	3.02	1.98	1.77	281	
	540	280	280	5	5	4200	8700	360TQO540-1		0.39	1.7	2.6	1.7	1.50	229	
	540	360	360	5	5	4600	10000	360TQO540-2		0.4	1.7	2.5	1.7	1.46	278	
	540	460	460	5	5	6440	15800	360TQO540-3		0.27	2.47	3.67	2.41	2.16	375	
	600	396	396	5	5	7000	14200	360TQO600-1		0.39	1.7	2.6	1.7	1.50	465	
	600	420	420	5	5	8000	17500		1077772	0.44	1.5	2.3	1.5	1.33	388	
	600	540	540	5	5	9050	19900	360TQO600-2		0.42	1.6	2.4	1.6	1.39	628	
	368.3	523.875	366.712	411.162	6.4	1.5	5830	15000	368TQI523A-1		0.33	2	3	2	1.76	275
		523.875	382.588	382.588	3.2	6.4	5460	13600	HM265049D/HM265010/HM265010D		0.33	2.03	3.02	1.98	1.77	270



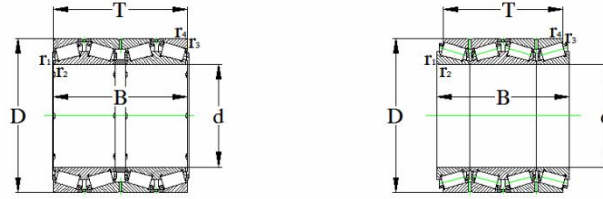
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	563	382.588	382.588	3.2	6.4	6380	13800	368TQO523A-1		0.29	2.32	3.45	2.26	2.01	352
	596.9	342.9	342.9	6.4	6.4	5700	11500	EE181455D/1812350/1812351D		0.41	1.6	2.4	1.6	1.42	385
	596.9	342.9	336.55	6.4	6.4	4830	9310	EE181454D/182350/182351D		0.42	1.62	2.42	1.59	1.39	347
370	490	292	292	3	3	3450	9300	370TQO490-1		0.34	2	2.9	1.9	1.72	151
	510	340	340	4	5	4660	11300	370TQO510-1		0.35	1.95	2.9	1.91	1.67	200
	516	346	346	1.5	4	4880	11700	370TQO516-1		0.4	1.68	2.5	1.64	1.46	211
374.65	501.65	260.35	250.825	1.6	3.2	2710	6560	EE231475D/231975/231976D		0.44	1.53	2.28	1.5	1.33	137
	514.35	260.35	260.35	1.6	3.2	2710	6560	EE231475D/232025/232026D		0.44	1.53	2.28	1.5	1.33	158
380	520	350	350	4	4	4250	11000	380TQO520-1		0.31	2.2	3.3	2.1	1.88	219
	520	360	360	6	5	4610	12200	380TQO520-2		0.32	2.12	3.15	2.07	1.82	225
	520	400	400	2.5	4	5050	12900	380TQO520-3		0.35	1.9	2.9	1.9	1.67	243
	536	390	390	5	5	5200	13100	380TQO536-1		0.4	1.7	2.5	1.7	1.46	272
	550	350	330	5	5	4200	9050		77776	0.44	1.5	2.3	1.5	1.33	273
	560	282	282	5	5	4200	9050	380TQO560-1		0.42	1.6	2.4	1.6	1.39	244
	560	285	285	5	5	4500	9550	380TQO560-2		0.37	1.8	2.7	1.8	1.58	246
	560	325	325	2	5	5500	11800	380TQO560-3		0.31	2.2	3.3	2.2	1.85	265
	560	360	360	2	6	6160	13700	380TQO560-4		0.4	1.7	2.5	1.6	1.44	295
	560	370	370	6	5	5910	13600	380TQO560-5		0.33	2.03	3.02	1.98	1.77	312
	580	500	500	6	5	7400	17500	380TQO580-1		0.33	2.03	3.02	1.98	1.77	467
	620	368	368	6	6	7040	13700	380TQO620-1		0.43	1.6	2.3	1.6	1.36	438
	620	388	388	6	6	7040	13700		307776						443
	620	400	400	5	5	7150	14800	380TQO620-2		0.4	1.7	2.5	1.7	1.46	490



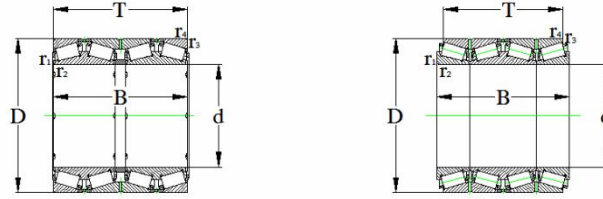
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	620	418.5	418.5	6	5	7080	14000	380TQO620-1		0.46	1.47	2.19	1.44	1.27	499
	620	420	420	5	4	7080	14000	381176/HC	1077776	1					485
384.175	546.1	384.175	428.625	6.4	1.5	6440	16600	384TQI546A-1		0.33	2	3	2	1.76	300
	546.1	400.05	400.05	3.2	6.4	6530	16900	HM266449D/HM266410/HM266410D		0.33	2.03	3.02	1.98	1.77	315
385.763	514.35	317.5	317.5	3.2	3.2	4130	10800	LM665949DW/LM665910/LM665910D		0.42	1.61	2.4	1.58	1.39	182
390	510	350	350	1.5	3	4250	11700	390TQO510-1		0.33	2	3	2.0	1.77	188
393.7	546.1	288.925	288.925	1.6	6.4	3680	9390	LM767745D/LM767710/LM767710D		0.48	1.42	2.11	1.39	1.22	205
	558.8	254	255.588	3.2	6.4	2970	7620	EE234157D/234220/234221D		0.48	1.42	2.11	1.39	1.22	205
395	545	288.7	268.7	4	7.5	3450	8550		77779	0.44	1.5	2.3	1.5	1.33	194
	545	288.7	269.2	4	7.5	3450	8550	395TQO545-1		0.47	1.4	2.1	1.4	1.24	196
	545	288.7	270.3	5	7.5	3330	7680	395TQO545-2		0.43	1.57	2.34	1.53	1.36	181
	545	288.9	268	5	10	3910	9500	395TQO545-3		0.48	1.4	2.1	1.4	1.22	195
400	540	280	280	4	7.5	4840	12500		77880						187
	540	295	330	3.3	1.5	4840	12500	400TQI540-1		0.31	2.2	3.3	2.2	1.89	210
	540	400	400	5	5	4840	12500	380680/HC							262
	600	356	356	5	5	5150	11100	381080/HC							345
	564	412	412	5	5	5500	13800	400TQO564-1		0.4	1.7	2.5	1.7	1.46	315
	590	304	304	5	5	4600	10000	400TQO590-1		0.42	1.6	2.4	1.6	1.39	287
	600	308	308	5	5	5150	11100	400TQO600-1		0.37	1.8	2.7	1.8	1.58	316
	650	414	414	6	6	7800	16600	400TQO650-1		0.39	1.7	2.6	1.7	1.50	555
406.4	546.1	288.925	268.288	1.6	6.4	2970	7620	EE234161D/234215/234216D		0.48	1.42	2.11	1.39	1.22	184



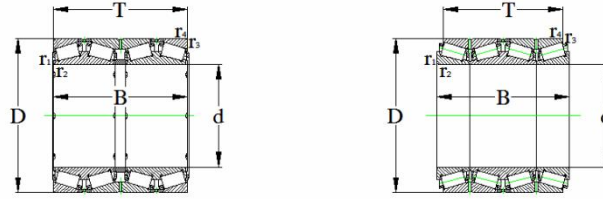
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	546.1	288.925	288.925	1.6	6.4	3680	9390	LM767749D/LM767710/LM767710D		0.48	1.42	2.11	1.39	1.22	192
	546.1	330	330	3.3	6.4	4500	11500	406TQO546A-1		0.41	1.7	2.5	1.6	1.42	214
	546.1	357.4	357.4	1.6	6.4	4600	11700	406TQO546A-2		0.47	1.43	2.12	1.4	1.24	232
	558.8	254	255.588	1.6	6.4	2970	7620	EE234161D/234220/234221D		0.48	1.42	2.11	1.39	1.22	189
	565.15	381	381	3.2	6.4	5990	15000	M267949D/M267910/M267910XD		0.33	2.03	3.02	1.98	1.77	291
	590.55	381	434.975	9.7	1.5	6930	16600	406TQI590A-1		0.33	2	3	2	1.8	370
	590.55	400.05	400.05	3.2	6.4	6120	14100	EE833161D/833232/833233D		0.32	2.08	3.1	2.04	1.82	358
	609.6	317.5	309.563	3.6	6.4	4890	10600	EE911603D/912400/912401D		0.38	1.76	2.62	1.72	1.54	320
409.575	546.1	334.963	334.963	1.6	6.4	4570	11500	M667947D/M667910/M667910D		0.42	1.62	2.42	1.59	1.39	200
415.925	590.55	419.1	469.9	6.4	1.5	7210	19300	415TQI546A-1		0.33	2	3	2	1.76	405
	590.55	434.975	434.975	3.2	6.4	6780	17900	M268749D/M268710/M268710D		0.33	2.03	3.02	1.98	1.77	390
416	574	480	480	4	4	6500	17100	416TQO574-1		0.28	2.4	3.6	2.4	2.08	366
420	560	370	370	6	5	4950	13600	420TQO560-1		0.32	2.12	3.15	2.07	1.82	246
	560	437	437	3	5	5400	14500	380684/HC		0.31	2.2	2.3	2.1	1.88	284
	592	432	432	5	5	5850	14700	420TQO592-1		0.41	1.7	2.5	1.6	1.42	363
	620	312	312	5	5	5450	12100	420TQO620-1		0.39	1.7	2.6	1.7	1.50	331
	620	355	355	5	5	5800	13100	420TQO620-2		0.39	1.7	2.6	1.7	1.50	364
	630	540	540	6	5	8990	21500	420TQO630-1		0.3	2.25	3.34	2.2	1.95	600
	650	460	460	6	6	7700	17200	420TQO650-1		0.4	1.7	2.5	1.7	1.46	547
	700	460	460	6	6	9350	20300	420TQO700-1		0.39	1.7	2.6	1.7	1.50	736



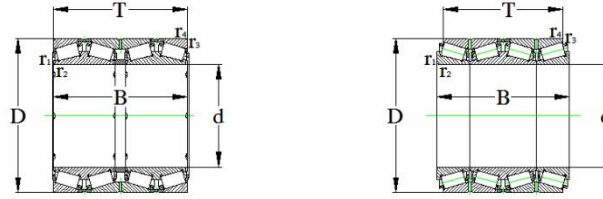
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	700	480	480	6	5	9550	11900		381184						
	760	500	500	3	6	10300	20400	420TQO760-1		0.33	2.03	3.02	1.98	1.77	1050
430	570	336	336	2	6	4600	11900	430TQO570-1		0.35	1.9	2.9	1.9	1.67	233
	570	336.55	336.55	1.5	3.3	4950	14000	430TQO570-2		0.44	1.5	2.3	1.4	1.33	240
431.8	571.5	279.4	276.225	1.6	3.2	3360	8600	EE239171D/239225/239226XD		0.39	1.75	2.61	1.71	1.50	187
	571.5	279.4	279.4	1.6	3.2	3360	8550	LM869449/LM869410/LM869410D		0.55	1.24	1.84	1.21	1.06	194
	571.5	320.675	366.713	6.4	1.5	4950	14000	431TQI571A-1		0.44	1.5	2.3	1.4	1.33	250
	571.5	336.55	336.55	1.6	6.4	4290	11300	LM769349/LM769310/LM769310D		0.48	1.41	2.1	1.38	1.22	232
	635	355.6	355.6	6.4	6.4	6600	15000	EE931070DGW/931250/931251XD		0.33	2	3	2	1.82	385
	635	355.6	440	6.4	6.4	6600	15000	431TQO635A-1		0.33	2	3	2	1.82	405
	635	355.6	355.6	6.4	6.4	6310	13700	EE931170D/931250/931251XD		0.32	2.1	3.13	2.06	1.82	385
	647.7	338.138	387.35	6.4	1.5	6600	15000	431TQO647A-1		0.33	2	3	2	1.82	420
431.902	685.698	533.273	533.273	6.4	6.4	10400	22800	EE328172D/328269/328268D		0.4	1.7	2.5	1.7	1.46	761
432.003	609.524	317.5	317.5	3.6	6.4	5210	12100	EE736173D/736238/736239D		0.35	1.94	2.89	1.9	1.67	293
438	580	460	460	1.5	4	6330	16900	438TQO580-1		0.26	2.55	3.8	2.5	2.24	323
440	580	420	420	4.5	6.7	6050	17600	440TQO580-1		0.26	2.6	3.9	2.5	2.27	300
	620	454	454	6	6	7600	20200		77888	0.4	1.7	2.5	1.7	1.46	442
	635	430	430	6	5	7560	18000	440TQO635-1		0.33	2.03	3.02	1.98	1.77	453
	635	470	470	2.5	5	8650	21800	440TQO635-2		0.33	2	3	2.0	1.77	509
	650	326	326	6	6	5600	12400	440TQO650-1		0.39	1.7	2.6	1.7	1.50	381
	650	334	334	6	6	5490	12200	440TQO650-2		0.28	2.43	3.61	2.37	2.08	371



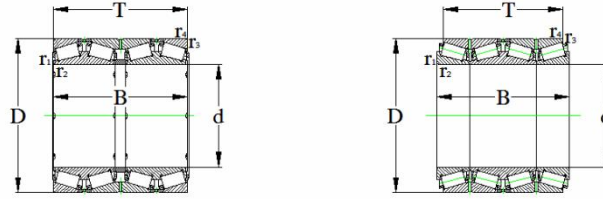
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
650	650	353.5	353.5	6.4	6.4	6600	15000	440TQO650-3		0.33	2	3	2	1.82	410
	650	355	355	6	5	6170	13500		77788	0.46	1.47	2.19	1.44	1.27	409
720	465	465	6	6	9550	19800	440TQO720-1			0.39	1.7	2.6	1.7	1.50	771
444.5	571.5	336.55	336.55	1.5	3.3	4950	14300	444TQO571-1		0.31	2.2	3.3	2.2	1.9	215
447.675	635	446.088	496.888	6.4	1.5	8250	22000	447TQI635-1		0.33	2	3	2	1.76	475
	635	463.55	463.55	3.2	6.4	7860	21000	M270749D/M270710/M270710D		0.33	2.03	3.02	1.98	1.77	464
448	635	464	464	2.5	5	8350	21600	448TQO635-1		0.33	2	3	2.0	1.77	485
450	580	450	450	1.5	6	5000	14300	450TQO580-1		0.31	2.2	3.2	2.1	1.88	282
	595	352	390	6	1.5	5500	16300	450TQI595-1		0.33	2	3	2	1.76	295
	595	368	368	3	6	5500	16300	M270749DA/M270410/M270410D		0.33	2	3	2	1.76	285
	595	404	404	3	6	5500	16300	M270449DA/M270410/M270410D		0.33	2	3	2	1.76	305
456.794	761.873	527.05	527.05	3.2	6.4	11100	22500	EE425176D/425299/425299D		0.44	1.52	2.26	1.49	1.33	980
457.073	730.148	419.1	412.75	1.5	6.4	8970	19600	EE671798DGW/672873/672875D		0.4	1.7	2.5	1.6	1.49	630
457.2	596.9	279.4	276.225	1.6	3.2	3850	10500	EE244181D/244235/244236D		0.4	1.67	2.48	1.63	1.46	204
	596.9	320	320	3.3	3.3	4840	13700	457TQO596A-1		0.44	1.5	2.3	1.4	1.32	235
660.4	323.847	323.85	3.2	6.4	5700	12700	EE737179D/737260/737261D		0.37	1.8	2.69	1.76	1.58	354	
	495.3	495.3	3.2	6.4	8350	22000	457TQO660A-1		0.33	2.03	3.02	1.98	1.77	571	
457.403	730.148	419.1	412.75	1.6	6.4	8290	16500	EE671802D/672873/672875D		0.39	1.72	2.57	1.69	1.50	646
460	586	266	266	3	3	3550	9300	460TQO586-1		0.46	1.5	2.2	1.4	1.27	168
	586	280	280	1	3	3710	9810	460TQO586-2		0.44	1.52	2.26	1.49	1.33	166



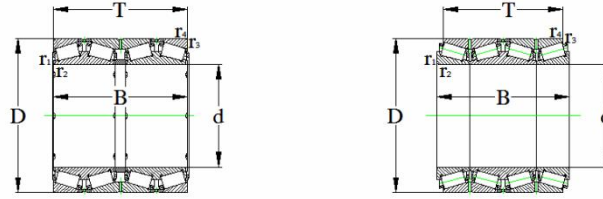
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	590	360	360	3	3	4900	14100	460TQO590-1		0.28	2.4	3.6	2.4	2.08	242
	610	360	360	3	6	6050	16300	460TQO610-1		0.33	2	3	2	1.76	295
	610	400	400	2.5	4	6270	17300	460TQO610-2		0.28	2.4	3.6	2.5	2.08	315
	615	360	360	3	5	4800	12800	460TQO610-1		0.45	1.5	2.2	1.5	1.30	289
	620	310	310	5	4	5600	12700		1077992						260
	625	421	421	3	9	6550	17600	M271149D/M271110/271110D		0.33	2	3	2.0	1.77	381
	650	474	474	6	6	7200	18500		77892	0.4	1.7	2.5	1.7	1.46	477
	680	338	338	6	6	6500	15100	460TQO680-1		0.4	1.7	2.5	1.7	1.46	433
	680	375	375	2	5	6500	15200	460TQO680-2		0.36	1.87	2.79	1.83	1.62	476
	730	440	440	4	7.5	5600	12700	381192X3/HC							663
	760	494	494	7.5	7.5	10700	23300	460TQO760-1		0.39	1.7	2.6	1.7	1.50	923
462	615.95	330.2	330.2	3.3	6.4	5500	15000	462TQO615A-1		0.4	1.7	2.5	1.6	1.45	275
475	600	368	368	2	6	5280	16600	475TQO600-1		0.3	2.3	3.4	2.2	2.03	250
	660	450	450	3	5	6650	17900	475TQO660-1		0.37	1.8	2.7	1.8	1.58	463
479.425	679.45	495.3	495.3	3.2	6.4	8480	22200	M272749D/M272710/M272710D		0.33	2.03	3.02	1.98	1.77	566
480	678	494	494	6	6	9600	25500	480TQO678-1		0.34	2	3	1.9	1.72	586
	700	342	342	6	6	6400	14300	480TQO700-1		0.39	1.7	2.6	1.7	1.50	453
	700	420	420	5	5	5350	15500		381096						582
	790	510	510	7.5	7.5	10500	21500	480TQO790-1		0.39	1.7	2.6	1.7	1.50	1030
482.6	615.95	317.5	355.6	6.4	1.5	5120	15300	M272249DW/M272249W/M272210D		0.33	2	3	2	1.76	245
	615.95	330.2	330.2	3.2	6.4	4850	14200	LM272249D/LM272210/LM272210D		0.33	2.03	3.02	1.98	1.77	229
	615.95	420	420	2.5	4	5810	16700	482TQO615A-1		0.26	2.55	3.8	2.5	2.24	296



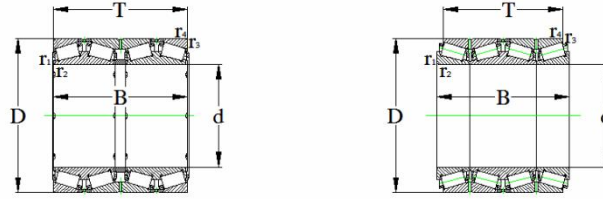
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	630	420	420	3.3	6.4	6600	19300	482TQO630A-1		0.33	2	3	2	1.76	345
	635	421	421	3	6.4	7090	20300	M272449D/M272410/M272410D		0.33	2.03	3.02	1.98	1.77	366
	647.7	417.512	417.512	3.2	6.4	7390	20300	M272647D/M272610/M272610D		0.33	2.03	3.02	1.98	1.77	396
488.95	622.3	365.125	365.125	3.8	6.4	4900	14400	488TQO622A-1		0.29	2.3	3.4	2.3	2.01	265
	660.4	361.95	365.125	7.9	6.4	6200	15800	EE640193D/640260/640261D		0.31	2.2	3.27	2.15	1.88	339
489.026	634.873	320.675	320.675	3.2	3.2	4930	13700	LM772749D/LM772710/LM772710D		0.47	1.43	2.12	1.4	1.24	258
490	625	385	385	3	4	5550	16200	380698/HC		0.32	2.1	3.2	2.1	1.82	284
500	670	515	515	5	5	8400	24600	500TQO670-1		0.33	2	3	2.0	1.77	518
	705	515	515	6	6	9700	26600	500TQO705-1		0.37	1.8	2.7	1.8	1.58	654
	710	430	425	5	5	8050	19500	500TQO710-1		0.37	1.8	2.7	1.8	1.58	530
	720	348	348	6	6	6500	14800	500TQO720-1		0.4	1.7	2.5	1.7	1.46	476
	720	400	400	5	5	7950	18700	500TQO720-2		0.33	2	3	2.0	1.77	548
	729.805	440	440	6	6	9300	22200	500TQO729A-1		0.33	2	3	2.0	1.77	639
	830	540	540	7.5	7.5	12500	26400	500TQO640A-1		0.39	1.7	2.6	1.7	1.50	1210
500.25	640	450	450	4	4	6750	19900	500TQO640A-1		0.28	2.4	3.6	2.4	2.08	366
501.65	673.1	387.35	400.05	3.2	6.4	6670	17300	EE641198D/641265/641266D		0.31	2.15	3.2	2.1	1.88	372
	711.2	520.7	520.7	3.2	6.4	9610	25600	M274149D/M274110/M274110D		0.33	2.03	3.02	1.98	1.77	652
508	749.3	355.6	355.6	6	6	6900	15400	508TQO749A-1		0.36	1.9	2.8	1.8	1.62	548
	762	420	420	6	2	8550	19100	508TQO762-1		0.36	1.9	2.8	1.8	1.62	693
	762	463.55	463.55	6.4	6.4	9060	19900	EE531201D/531300/531301XD		0.38	1.78	2.65	1.74	1.54	741
509.948	654.924	379	377	1.5	6.4	6100	17600	509TQO654A-1		0.41	1.6	2.4	1.6	1.42	319



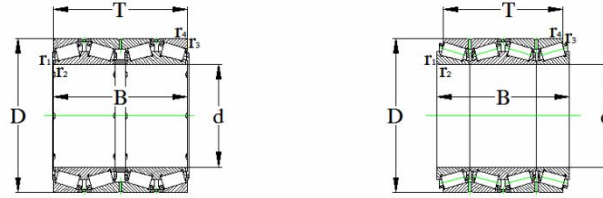
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
510	655	362	405	6.4	1.5	6270	19000	510TQI655-1		0.33	2	3	2	1.7	330
	655	379	377	1.5	6.4	6270	19000	510TQO655-1		0.33	2	3	2	1.76	330
514.35	673.1	422.275	422.275	3.2	6.4	7130	20300	LM274449D/LM274410/LM274410D		0.33	2.03	3.02	1.98	1.77	401
	736.6	319.505	290.104	3.3	3.3	5550	13600	514TQO736A-1		0.48	1.4	2.1	1.4	1.22	431
519.113	736.6	536.575	536.575	3.2	6.4	10600	27200	M275349D/M275310/M275310D		0.33	2.03	3.02	1.98	1.77	739
520	735	535	535	6	6	10000	26700	520TQO735-1		0.33	2	3	2.0	1.77	731
520.7	711.2	400.05	400.05	3.2	6.4	7000	17500	LM275349D/LM275310/LM275310D		0.33	2.03	3.02	1.98	1.77	438
530	730	540	535	5	5	10000	26500	530TQO730-1		0.33	2	3	2.0	1.77	657
	750	480	480	6	6	9550	24900	530TQO750-1		0.33	2	3	2.0	1.77	694
	750	550	550	6	6	10500	28000	530TQO750-2		0.33	2	3	2.0	1.77	788
530	780	385	385	6	6	8300	18700	530TQO780-1		0.37	1.8	2.7	1.8	1.58	644
	780	450	450	6	5	6550	18200	3810/530							745
	780	570	570	6	6	12100	30000	530TQO780-2		0.33	2	3	2.0	1.77	956
530	870	560	560	7.5	7.5	13600	28900	530TQO870-1		0.39	1.7	2.6	1.7	1.50	1360
535	750	560	560	6	5	11100	29400	535TQO750-1		0.33	2.02	3.01	1.98	1.77	752
	760	560	560	6	6	11100	30000	535TQO760-1		0.33	2	3	2.0	1.77	833
536.575	761.873	558.8	558.8	3.2	6.4	11300	28800	M276449D/M276410/M276410D		0.33	2.03	3.02	1.98	1.77	821
540	690	400	400	3	6	5720	16300		779/540	0.33	2	3	2	1.76	375
	760	560	560	6	5	11400	30600	540TQO760-1		0.33	2.03	3.02	1.98	1.77	809
555.625	698.5	349.25	349.25	3.3	6.4	5150	16000	555TQO698A-1		0.33	2	3	2.0	1.77	311



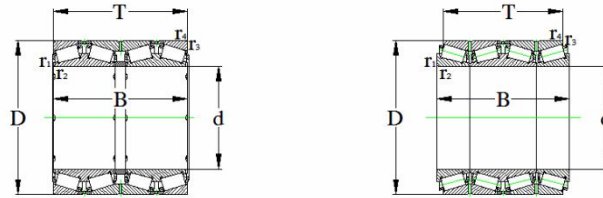
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
558.75	965.3	495.3	495.3	7.5	7.5	12500	25700	558TQO965A-1		0.33	2.03	3.02	1.98	1.77	1580
558.8	736.6	322.263	322.263	3.2	6.4	5920	16100	EE843221D/843290/843291D		0.34	1.97	2.93	1.93	1.72	376
	736.6	409.575	409.575	3.2	6.4	7180	19700	LM377449D/LM377410/LM377410D		0.35	1.95	2.9	1.91	1.67	472
	736.6	430	430	3.3	6.4	8450	23600	558TQO736A-1		0.35	1.9	2.9	1.9	1.67	492
	736.6	450	450	3.3	6.4	8950	25300	558TQO736A-2		0.35	1.9	2.9	1.9	1.67	531
	736.6	457.2	457.2	3.2	6.4	8990	25500	LM277149DA/LM277110/LM277110D		0.33	2.03	3.02	1.98	1.77	525
560	750	368	368	5	4	7850	15800	3819/560/HC							447
	805	590	590	6	6	13700	37000	560TQO805-1		0.33	2	3	2.0	1.77	1030
	820	405	405	6	6	9100	20600	560TQO820-1		0.37	1.8	2.7	1.8	1.58	742
	920	575	575	7.5	7.5	14600	31000	560TQO920-1		0.39	1.7	2.6	1.7	1.50	1560
	920	618	618	7.5	7.5	16000	34000	560TQO920-2		0.4	1.7	2.5	1.7	1.46	1670
	920	620	620	7.5	7.5	15200	32800	3811/560		0.4	1.68	2.5	1.64	1.46	1690
570	780	515	515	6	6	10600	29700	570TQO780-1		0.36	1.9	2.8	1.8	1.62	752
	810	590	590	6	6	12700	35000	570TQO810-1		0.33	2	3	2.0	1.77	998
571.5	812.8	593.725	593.725	3.2	6.4	13000	35000	M278749D/M278710/M278710D		0.33	2.03	3.02	1.98	1.77	1030
584.2	730.25	349.25	342.9	1.5	3.3	5500	17000	584TQO730A-1		0.43	1.6	2.3	1.6	1.36	330
	762	401.638	396.875	3.2	6.4	7330	20800	LM778549D/LM778510/LM778510D		0.37	1.43	2.12	1.4	1.58	479
	901.573	539.75	523.08	3.3	9.7	13100	29100	EE665231D/665355/665356D		0.33	2	3	2.0	1.77	1280
	901.7	539.747	484.98	3.2	9.5	13400	29400	EE662300D/663550/663551D		0.33	2.04	3.03	1.99	1.77	1260
	901.7	539.75	523.083	3.2	9.5	12600	28400	EE665231D/665355/665356D		0.33	2.03	3.02	1.98	1.77	1270
585.788	771.525	479.425	479.425	3.2	6.4	9140	25600	LM278849D/LM278810/LM278810D		0.33	2.03	3.02	1.98	1.77	587



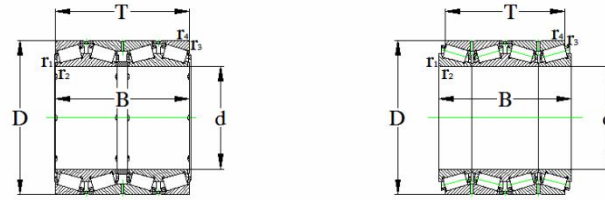
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
595	845	615	615	6	6	13700	38000	595TQO845-1		0.33	2	3	2.0	1.77	1140
595.312	844.55	615.95	615.95	3.2	6.4	13600	36900	M280049D/M280010/M280010D		0.33	2.03	3.02	1.98	1.77	1130
596.9	980	609.6	604.838	6.4	12.7	16800	36500	596TQO980A-1		0.4	1.7	2.5	1.6	1.45	1920
600	800	365	365	5	5	7480	21600		771/600						489
	800	380	380	5	4	9140	25600		10779/600	0.41	1.64	2.45	1.61	1.42	992
	855	620	620	6	6	13900	38500	600TQO855-1		0.33	2	3	2.0	1.77	1170
	870	415	415	6	6	9250	21700	600TQO870-1		0.37	1.8	2.7	1.8	1.58	842
	870	488	488	3	6	12500	29000	600TQO870-2		0.33	2	3	2	1.8	940
	980	615	615	7.5	7.5	16600	36500	600TQO980-1		0.39	1.7	2.6	1.7	1.50	1890
980	650	650	7.5	7.5	16600	36500		10777/600	0.32	2.1	3.1	2.1	1.82	1970	
603.25	857.25	622.3	622.3	3.2	6.4	14500	38500	M280249D/M280210/M280210XD		0.33	2.03	3.02	1.98	1.77	1170
609.6	787.4	361.95	361.95	6.4	6.4	6790	19900	EE649242DW/649310/649311D		0.37	1.82	2.7	1.78	1.58	462
	813.562	479.425	479.425	3.3	6.4	10600	30500	M280249DGW/LM280210/LM280210D		0.33	2	3	2	1.76	715
	817.4	361.95	361.95	3.2	6.4	7310	18200	609TQO817A-1		0.33	2.03	3.02	1.98	1.77	496
609.6	863.6	660.4	660.4	3.3	6.4	14700	41000	M280349D/M280310/M280310D		0.33	2	3	2.0	1.77	1260
611.5	832.8	593.72	593.72	3.3	6.4	13300	38000	611TQO832A-1		0.33	2	3	2.0	1.77	981
620	800	363.5	363.5	3	6	7480	21600	620TQO820-1		0.37	1.8	2.7	1.8	1.54	465
	800	365	365	2.5	5	7590	21000	620TQO820-2		0.32	2.12	3.15	2.07	1.82	474
630	850	418	418	6	6	9650	21000	3819/630/HC							682
	890	650	650	7.5	7.5	15400	43000	630TQO890-1		0.33	2	3	2.0	1.77	1310



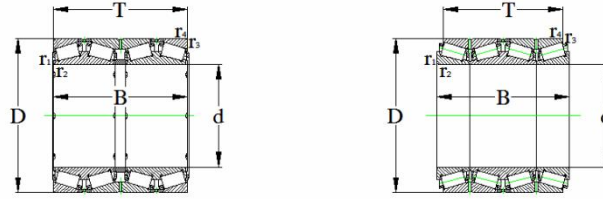
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	920	440	440	7.5	7.5	10600	25500	630TQO920-1		0.37	1.8	2.7	1.8	1.58	1010
	920	457.15	457.15	3	6	11500	26200	630TQO920-2		0.33	2.03	3.02	1.98	1.77	1050
	920	457.2	457.2	4	3	10600	25400	630TQO920-3		0.37	1.8	2.7	1.8	1.58	1060
	920	515	515	7.5	7.5	6550	27500		771/630	0.43	1.56	2.33	1.53	1.36	1190
	920	600	600	7.5	7.5	15000	38500	630TQO920-4		0.36	1.9	2.8	1.8	1.62	1360
	1030	645	645	7.5	7.5	18400	42500	630TQO1030-1		0.37	1.8	2.7	1.8	1.58	2190
	1030	670	670	7.5	6	18400	42500	3811/630/HC							2200
635	900	655	655	7.5	7.5	15800	44500	635TQO900-1		0.33	2	3	2.0	1.77	1360
	900	660	660	5	6	15500	43500	635TQO900-2		0.33	2	3	2.0	1.77	1380
	901.7	654.05	654.05	3.2	6.4	15000	39700	M281049D/M281010/M281010XD		0.33	2.03	3.02	1.98	1.77	1360
640	1030	560	560	7.5	12	16000	393000		777/640L						1770
646.112	857.25	542.925	542.925	3.3	6.4	11500	34500	LM281049DW/LM281010/LM281010D		0.33	2	3	2.0	1.77	880
647.7	1028.7	565.15	558.8	11.2	6.4	18300	33500	EE424257DW/424405/424407D		0.31	2.2	3.2	2.1	1.87	1860
649.924	914.898	674	672	3.6	6	15900	43800	M281349D/M281310/M281310D		0.33	2.03	3.02	1.98	1.77	1390
650	915	674	674	3.3	6.4	16100	45000	M281349DGW/M281310/M281310D		0.33	2	3	2	1.76	1430
	1030	558.5	58.5	7.5	12	15900	36200	650TQO1030-1		0.32	2.12	3.15	2.07	1.82	1840
	1030	560	560	7.5	7.5	15700	35500		777/650	0.31	2.1	3.2	2.1	1.88	1830
655	935	675	675	7.5	7.5	16600	45000	655TQO935-1		0.33	2	3	2.0	1.77	1530
657.225	933.45	676.275	676.275	3.2	6.4	17300	46000	M281649D/M281610/M281610D		0.33	2.03	3.02	1.98	1.77	1520
659.924	854.924	318.48	319.192	4.8	9.5	6240	16000	EE749259D/749334/749335D		0.35	1.92	2.86	1.88	1.67	462



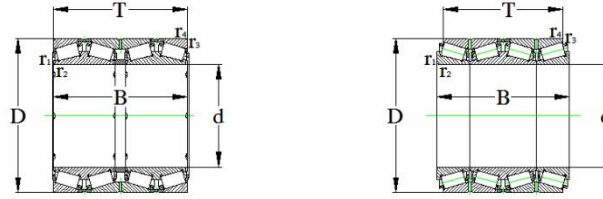
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
660	855	318.48	319.192	4.8	9.7	6160	17000	EE749259DGW/749334/749335D		0.35	1.9	2.9	1.8	1.66	490
	855	320	320	5	4	6320	18000	660TQO855-1		0.47	1.43	2.12	1.4	1.24	474
	1070	642	642	7.5	7.5	19000	43000	660TQO1070-1		0.33	2	3	2.0	1.77	2340
660.011	855.015	319.99	319.99	5.2	5.2	6500	18000	3806/660X4/HC		0.52	1.3	1.9	1.3	1.12	484
660.4	812.8	365.125	365.125	3.2	6.4	6860	21100	L281149D/L281110/L281110D		0.33	2.03	3.02	1.98	1.77	394
	1066.8	647.703	638.175	6.4	6.4	18400	39400	EE428262D/428420/428421XD		0.31	2.18	3.24	2.13	1.88	2240
670	900	412	412	6	6	6550	27500		10779/670						773
	950	700	700	7.5	7.5	18000	49500	670TQO950-1		0.33	2	3	2.0	1.77	1620
	960	700	700	7.5	7.5	18600	48500	670TQO960-1		0.33	2	3	2.0	1.77	1690
	980	475	475	7.5	7.5	12600	29200	670TQO980-1		0.37	1.8	2.7	1.8	1.58	1240
	1090	690	690	7.5	7.5	20600	47000	670TQO1070-1		0.37	1.8	2.7	1.8	1.58	2600
676	910	620	620	4	8	14200	41500	676TQO910-1		0.33	2	3	2	1.76	1150
679.45	901.7	552.45	552.45	3.2	6.4	12800	36100	LM281849D/LM281810/LM281810D		0.33	2.03	3.02	1.98	1.77	975
680	870	460	460	5	5	9700	30000	680TQO870-1		0.42	1.6	2.4	1.6	1.39	695
	970	740	740	3.2	6.4	18800	52800	680TQO970-1		0.33	2.03	3.02	1.98	1.77	1770
	1000	505	505	10	10	13000	31500	680TQO1000-1		0.33	2	3	2.0	1.77	1380
682.625	965.2	701.675	701.675	3.3	6.4	17700	50000	M282249D/M282210/M282210D		0.33	2	3	2.0	1.77	1670
685	965	700	700	7.5	7.5	17700	50000	685TQO965-1		0.33	2	3	2.0	1.77	1650
685.8	876.3	355.6	352.425	3.3	6.4	7400	22200	EE655271DW/655345/655346D		0.42	1.6	2.4	1.6	1.39	543
708.025	930.275	365.15	365.15	3.3	6.4	13200	40500	LM282549D/LM282510/LM282510D		0.33	2	3	2.0	1.77	1070
710	900	410	410	3	6	8800	26500	L882449DGW/L882410/L882410D	779/710	0.35	1.9	2.9	1.8	1.66	660



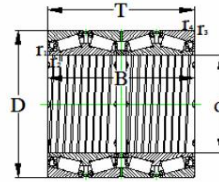
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	1000	730	730	7.5	7.5	19400	55500	710TQO900-1		0.33	2	3	2.0	1.77	1850
	1030	490	490	7.5	7.5	13200	32500	710TQO1030-1		0.37	1.8	2.7	1.8	1.58	1390
	1150	710	710	9.5	9.5	22200	52000	710TQO1150-1		0.37	1.8	2.7	1.8	1.58	2970
711.2	914.4	317.5	317.5	3.2	6.4	6030	17900	EE755281D/755360/755361D		0.38	1.78	2.65	1.74	1.54	545
	914.4	355.6	355.6	3.3	6.4	7300	22200	711TQO914A-1		0.44	1.5	2.3	1.5	1.33	607
714.375	1016	704.85	704.85	3.2	6.4	19500	52200	M383240D/M383210/M383210D		0.35	1.92	2.86	1.98	1.67	1850
717.55	946.15	565.15	565.15	3.2	6.4	13600	39500	LM282847D/LM282810/LM282810D		0.33	2.03	3.02	1.98	1.77	1030
730	940	500	500	3.5	8	12100	36000	730TQO940-1		0.35	1.9	2.9	1.8	1.69	925
	1035	755	755	7.5	7.5	20400	58500	730TQO1035-1		0.33	2	3	2.0	1.77	2070
730.25	1035.05	755.65	755.65	3.2	6.4	19600	54300	M283449D/M283410/M283410D		0.33	2.03	3.02	1.98	1.77	2010
749.3	990.6	605	605	3.2	6.4	15700	47700	LM283649D/LM283610/LM283610D		0.32	2.12	3.15	2.07	1.82	132
	1066.8	736.6	723.9	spec	12.7	20600	58000	EE325296D/325420/325421XD		0.33	2.1	3.1	2.0	1.77	2190
	1130.3	685.8	685.8	7.5	7.5	19700	46500	749TQO1130A-1		0.49	1.38	2.06	1.35	1.19	2330
750	1090	515	515	7.5	7.5	14700	36500	750TQO1090-1		0.37	1.8	2.7	1.8	1.58	1640
	1130	690	690	4	7.5	20100	46500	750TQO1130-1		0.48	1.4	2.1	1.4	1.2	2430
	1220	750	750	9.5	9.5	24900	59000	750TQO1220-1		0.37	1.8	2.7	1.8	1.58	3550
	1220	840	840	9.5	9.5	19700	54300		10777/750	0.32	2.1	3.1	2.1	1.82	3985
762	1066.8	736.6	723.9	5	12.7	21000	59500	M284148DW/M284111/284110D		0.33	2.1	3.1	2.0	1.77	2100
	1079.5	787.4	787.4	4.8	12.7	22200	62700	M284249D/M284210/M284210XD		0.33	2.03	3.02	1.98	1.77	2270
780	1220	840	840	6	6	21100	70500	3806/780/HCC9							38100
785	1030	605	605	6	7.5	15300	47500	785TQO1030-1		0.42	1.6	2.4	1.6	1.39	1390



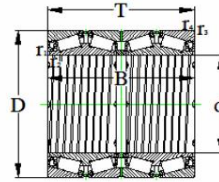
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
	1040	560	560	4.8	9.7	14200	41500	785TQO1040-1		0.42	1.6	2.4	1.6	1.39	1330
	1120	820	820	7	7	23800	69000	800TQO1120-1		0.33	2	3	2.0	1.77	2600
	1150	535	535	7.5	7.5	15600	37100	800TQO1150-1		0.39	1.74	2.59	1.7	1.50	1850
	1280	770	770	9.5	9.5	24900	54800	800TQO1280-1		0.39	1.74	2.59	1.7	1.50	3890
812.8	1143	768.35	768.35	6.4	12.7	22000	63000	812TQO1143A-1		0.33	2	3	2	1.76	2590
825.5	1168.4	844.55	844.55	4.8	12.7	26000	72300	M285848D/0285810/M285810D		0.33	2.03	3.02	1.98	1.77	2990
	1193.8	812.8	812.8	6.4	12.7	30000	67000	EE631325DW/631470/631470D		0.39	1.7	2.6	1.7	1.49	3110
840	1170	840	840	7	7	25900	76000	840TQO1170-1		0.33	2	3	2.0	1.77	2900
850	1220	565	565	7.5	7.5	17000	40400	850TQO1220-1		0.39	1.74	2.59	1.7	1.50	2190
	1360	820	820	12	12	26800	59000	850TQO1360-1		0.39	1.74	2.59	1.7	1.50	4670
	1360	910	910	6	12	34700	83000	850TQO1360-2		0.35	1.9	2.9	1.8	1.62	5440
	1130.3	669.925	669.925	4.8	12.7	19100	59600	LM286249D/LM286210/LM286210D		0.32	2.08	3.1	2.04	1.82	1780
863.6	1169.987	844.55	844.55	4.8	12.7	23800	76500	863TQO1169A-1		0.33	2	3	2	1.76	2700
	1181.1	666.75	666.75	4.8	12.7	20900	57000	M286449DGW/LM286410/LM286410D		0.33	2	3	2	1.76	2150
	1219.2	876.389	876.389	4.8	12.7	28300	81000	863TQO1219A-1		0.33	2	3	2.0	1.77	3350
	1219.2	889	876.3	4.8	12.7	28500	84600	EE547341D/547480/547481D		0.33	2.03	3.02	1.98	1.77	3330
877.888	1220	844.55	844.55	4.8	12.7	26000	76500	LM286749DGW/LM286711/LM286710		0.33	2	3	2	1.76	3080
900	1280	580	580	7.5	7.5	18700	45000	900TQO1280-1		0.39	1.74	2.59	1.7	1.50	2430
901.7	1295.4	914.4	901.7	4.8	12.7	30500	88000	EE634356D-510-510D		0.33	2	3	2.0	1.77	4010



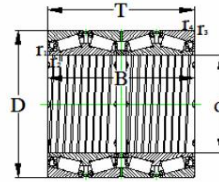
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
938.213	1270	825.5	825.5	4.8	12.7	26800	79800	LM287649D/LM287610/LM287610D		0.33	2.03	3.02	1.98	1.77	3150
939.8	1333.5	952.5	952.5	4.8	12.7	33500	95400	LM287849D/LM287810/LM287810D		0.33	2.03	3.02	1.98	1.77	4380
950	1360	620	620	7.5	7.5	20600	49900	950TQO1360-1		0.39	1.74	2.59	1.7	1.50	2970
1001	1360	800	800	12	12.7	27500	81500	1001TQO1360-1		0.31	2.2	3.3	2.2	1.83	3390
1003.3	1358.9	800.1	800.1	4.8	12.7	27500	81500	1003TQO1358A-1		0.31	2.2	3.3	2.2	1.83	3450
1006.475	1295.4	764	764	4.8	12.7	23100	76500	LM288249D/LM288210/LM288210D		0.33	2	3	2.0	1.77	2590
1070	1400	889.762	889.762	4	12	30300	100000	1070TQO1400-1		0.33	2	3	2	1.76	3730
1080	1450	950	950	5	12	33600	108000	1080TQO1450-1		0.33	2	3	2	1.76	4450
1200.15	1593.85	990.6	990.6	4.8	12.7	38000	125000	M288949DGW/LM288910/LM288910D		0.33	2	3	2	1.76	5635
1250	1550	890	890	5	12	30300	114000	1250TQO1550-1		0.33	2	3	2	1.77	3820
1260	1640	1000	1000	5	12	39100	143000	1260TQO1640-1		0.31	2.2	3.3	2.2	1.83	5800
1300	1720	1040	1040	5	12	42900	140000	1300TQO1720-1		0.33	2	3	2	1.76	7000
1370	1765	1050	1035	5	12	42900	153000	1370TQO1765-1		0.33	2	3	2	1.76	6960
1500	1900	1080	1080	4	12	46800	170000	1500TQO1900-1		0.35	1.9	2.9	1.8	1.68	7700
	1915	1105	1220	spec	spec	44500	168000	1500TQO1915-1		0.33	2	3	2.0	1.77	8410
1580	1960	1080	1080	5	12	45700	176000	1580TQO1960-1		0.33	2	3	2	1.77	7800



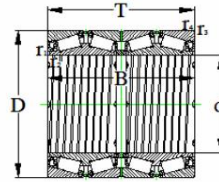
Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
152.4	244.475	187.325	192.088	1	3.3	1300	2160	152TQOS244-1		0.33	2	3	2	1.76	30
203.2	317.5	266.7	266.7	2.5	3.3	2460	4900	203TQOS317-1		0.31	2.2	3.3	2.2	1.86	76
206.375	282.575	226	226	0.6	3.3	1300	3350	206TQOS282-1		0.5	1.4	2	1.3	1.15	40
220.662	314.325	239.712	239.712	1.5	3.3	1790	3800	220TQOS314-1		0.35	1.9	2.9	1.8	1.71	56
228.6	400.05	296.875	296.875	2.5	3.3	3360	5700	228TQOS400-1		0.44	1.5	2.3	1.4	1.3	148
241.478	349.148	228.6	228.6	1.5	3.3	1900	3650	241TQOS349-1		0.35	1.9	2.9	1.8	1.62	64
254	358.775	269.875	269.875	1.5	3.3	2330	5400	254TQOS358-1		0.33	2	3	2	1.76	84
260	365	340	340	2.5	3.5	3140	8000	260TQOS365-1		0.35	1.9	2.9	1.8	1.63	112
266.7	355.6	228.6	230.188	1.5	3.3	1720	4150	266TQOS355-1		0.35	1.9	2.9	1.8	1.66	68
276.225	393.7	269.875	269.875	1	6.4	2750	5850	276TQOS393-1		0.37	1.8	2.7	1.8	1.55	96
280	395	340	340	2.5	3.5	3580	8650	280TQOS395-1		0.33	2	3	2	1.77	128
285.75	380.898	244.475	244.475	1	3.3	2200	5500	285TQOS380-1		0.43	1.6	2.3	1.6	1.38	74
300	440	279.4	280.99	3.3	4.8	3080	6700	300TQOS440-1		0.46	1.5	2.2	1.4	1.29	137
304.648	438.048	279.4	280.99	2	4.8	3080	6700	304TQOS438-1		0.46	1.5	2.2	1.4	1.29	129
304.8	419.1	269.875	269.875	1	6.4	2860	6950	304TQOS419-1		0.35	1.9	2.9	1.8	1.62	108
	501.65	336.55	336.55	2	6.4	4730	9300	304TQOS501-1		0.4	1.7	2.5	1.6	1.47	254
304.902	412.648	266.7	266.7	1	3.3	2700	6700	304TQOS412-1		0.31	2.2	3.3	2.2	1.85	100



Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
305	438.048	279.4	280.99	2	4.8	3080	6700	305TQOS438-1		0.46	1.5	2.2	1.4	1.29	129
317.5	422.275	269.875	269.875	1.5	3.3	2640	6550	317TQOS422-1		0.33	2	3	2	1.76	98
333.375	469.9	342.9	342.9	2.5	3.3	4290	10400	333TQOS469-1		0.33	2	3	2	1.73	182
343.052	457.098	254	254	1	3.3	2330	6000	343TQOS457-1		0.68	1	1.5	1	0.84	109
355.6	482.6	269.875	265.112	1.5	3.3	3080	7500	355TQOS482-1		0.46	1.5	2.2	1.4	1.24	136
	488.95	317.5	317.5	1	3.3	4130	10000	355TQOS488-1		0.33	2	3	2	1.75	172
385.762	514.35	317.5	317.5	1	3.3	3910	10000	385TQOS514-1		0.4	1.7	2.5	1.6	1.49	174
406.4	546.1	288.925	288.925	1.5	6.4	3910	9500	406TQOS546-1		0.48	1.4	2.1	1.4	1.22	183
	546.1	330	330	1.5	6.4	4020	10200	406TQOS546-2		0.48	1.4	2.1	1.4	1.23	202
409.575	546.1	334.962	334.962	1	6.4	4570	12000	409TQOS546-1		0.4	1.7	2.5	1.6	1.47	210
415.925	590.55	434.975	434.975	3.3	6.4	7040	18000	415TQOS590-1		0.33	2	3	2	1.78	379
416	574	440	440	2.5	5	6050	17000	416TQOS574-1		0.33	2	3	2	1.74	341
430	575	380	380	1.5	5	5230	14300	430TQOS575-1		0.33	2	3	2	1.77	267
440	590	480	480	1	5	7040	19200	440TQOS590-1		0.28	2.4	3.6	2.5	2.12	371
	650	353.5	353.5	5.5	6.4	6160	13200	440TQOS650-1		0.33	2	3	2	1.82	378
450	595	398	398	2	6	5500	16300	450TQOS595-1		0.33	2	3	2	1.76	301
457.2	596.9	279.4	276.225	1.5	3.3	3960	10000	457TQOS596-1		0.48	1.4	2.1	2.1	1.24	191



Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1.2min}	r _{3.4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
460	610	360	360	3	6	5120	12900	460TQOS610-1		0.37	1.8	2.7	1.8	1.56	270
475	600	368	368	2	6	4730	14000	475TQOS600-1		0.33	2	3	2	1.81	235
479.425	679.45	495.3	495.3	3.3	6.4	8580	2240	479TQOS679-1		0.33	2	3	2	1.76	565
482.6	615.95	330.2	330.2	1	6.4	4950	13700	482TQOS615-1		0.33	2	3	2	1.76	232
	615.95	402.05	402.05	1	6.4	5610	17300	482TQOS615-2		0.33	2	3	2	1.76	290
	630	420	420	3.3	6.4	5940	17000	482TQOS630-1		0.33	2	3	2	1.76	325
489.026	634.873	320.675	320.675	1	3.3	4840	12500	489TQOS634-1		0.37	1.8	2.7	1.8	1.54	248
510	655	379	377	1.5	6.4	5720	16300	510TQOS655-1		0.35	1.9	2.9	1.8	1.64	311
540	690	434	434	2	5	7040	21200	540TQOS690-1		0.33	2	3	2	1.7	392
558.8	736.6	322.262	322.262	1.5	6.4	5830	14300	558TQOS736-1		0.35	1.9	2.9	1.8	1.7	343
	736.6	409.575	409.575	3.3	6.4	6600	20000	558TQOS736-2		0.48	1.4	2.1	1.4	1.21	475
	736.6	457.2	455.612	3.3	6.4	7920	23200	558TQOS736-3		0.35	1.9	2.9	1.8	1.69	515
571.5	812.8	593.725	593.725	3.3	6.4	11900	33500	571TQOS812-1		0.33	2	3	2	1.78	998
585.788	771.525	479.425	479.425	4	6.4	9520	27500	585TQOS771-1		0.33	2	3	2	1.78	596
609.6	787.4	361.95	361.95	3.3	6.4	6820	18600	609TQOS787-1		0.37	1.8	2.7	1.8	1.58	430
	813.562	479.425	479.425	3.3	6.4	9680	27500	609TQOS813-1		0.37	1.8	2.7	1.8	1.61	693
635	901.7	654.05	654.05	3.3	6.4	14500	41500	635TQOS901-1		0.35	1.9	2.9	1.8	1.64	1354
679.45	901.7	552.45	552.45	3.3	6.4	12100	36000	679TQOS901-1		0.33	2	3	2	1.76	975



Boundary Dimensions (mm)						Basic Load Ratings (kN)		Designation		Calculation Factors					Mass (kg)
d	D	T	B	r _{1,2min}	r _{3,4min}	Cr	Cor	New	Old	e	y ₁	y ₂	y ₀	k	Refer.
682.625	965.2	701.675	701.675	3.3	6.4	17200	49000	682TQOS965-1		0.35	1.9	2.9	1.8	1.69	651
685.8	876.3	355.6	352.425	3.3	6.4	7210	20000	685TQOS876-1		0.37	1.8	2.7	1.8	1.62	506
710	900	410	410	3	6	8250	24000	710TQOS900-1		0.33	2	3	2	1.8	602
711.2	914.4	317.5	317.5	2.5	6.4	6600	17300	711TQOS914-1		0.37	1.8	2.7	1.8	1.57	490
749.3	990.6	605	605	3.3	6.4	13200	40500	749TQOS990-1		0.37	1.8	2.7	1.8	1.59	1274
762	1079.5	787.4	784.4	4.8	12.7	21200	61000	762TQOS1079-1		0.35	1.9	2.9	1.8	1.68	2248
825.5	1168.4	844.55	844.55	4.8	12.7	24600	73500	825TQOS1168-1		0.31	2.2	3.3	2.2	1.85	2958
863.6	1169.987	844.55	844.55	4.8	12.7	23300	71000	863TQOS1169-1		0.37	1.8	2.7	1.8	1.6	2630



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