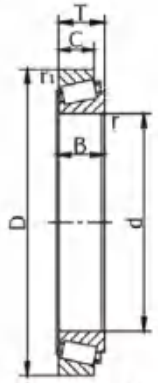
Single–row tapered roller bearings

Single–row tapered roller bearings primarily carry combined loads which is main in radial, and tapered roller bearings with large tapered angles (27° –30°) primarily carry combined loads which is main in axial but not pure axial loads. These bearings can limit axial displacement of shafts or housings in one direction.The inner and outer rings can be mounted respectively as separable structure,the outer rings are interchangeable,and they are easy to be mounted and dismounted. The radial and axial clearance can be adjusted during mounting or working, and also can be interference mounted to increase stiffness. The clearance has great influence on bearing performance. If the clearance was too small, the temperature will be high;but if it was too much ,the vibration will be increased and the running accuracy will be difficult to ensure. The bearings will be damaged in both cases above. Therefore, the clearance must be adjusted during mounting or working. In order to prevent stress concentration between rollers and raceway to lead to bearing damaged in early period,the obliquity between shafts and housings is not permitted while mounting.

Tapered roller bearings are widely used in rear axle hubs of automotives, large machine tool spindles, large power decelerators,roller wheels of feedways, etc.

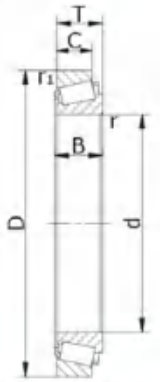
Single–row tapered roller bearings



Type 30000
(Type 7000)

Boundary dimensions mm							Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	B	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
150	270	77	73	60	4	3	718	1200	32230	7530E	18.2	1200	1700
	320	114	108	90	5	4	1110	1580	32330	7630	37.1	950	1400
160	240	51	51	38	3	2.5	420	735	32032	2007132E	7.7	1200	1700
	340	75	68	58	5	4	765	960	30332	7332E	28.4	1000	1500
	340	121	114	95	5	4	1210	1770	32332	7632	48.3	950	1400
170	230	32	30	23	3	3	200	400	70DB170	–	3	1200	1700
	310	91	86	71	5	4	835	1320	32234	7534E	27.6	1000	1500

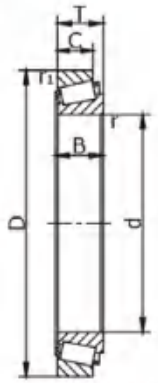
Single-row tapered roller bearings



Type 30000
(Type 7000)

Boundary dimensions mm							Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	B	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
170	360	80	72	62	5	4	950	1400	30334	7334E	35	950	1400
	360	127	120	100	5	4	975	1764	32334	7634	58.3	1000	1300
180	280	64	60	52	3	2.5	540	890	32036X2	2007136	13	1100	1600
	280	64	64	48	3	2.5	569	950	32036	2007136E	14	1100	1600
	320	57	52	43	5	4	610	912	30236	7236E	17.8	1000	1500
	320	91	86	71	5	4	998	1727	32236	7536E	29.8	950	1400
190	260	45	42	36	2.5	2	292	580	32938X2	2007938	6.52	1000	1400
	290	51	46	40	3	2.5	435	365	–	7138	10.5	1000	1500
	290	64	60	52	3	2.5	502	932	32038X2	2007138	14.2	950	1300
	290	64	64	48	3	2.5	520	950	32038	2007138E	15.6	950	1300
	340	97	92	75	5	4	1117	1919	32238	7538E	36.1	900	1300
200	280	51	48	41	3	2.5	345	710	32940X2	2007940	8.86	950	1300
	280	51	51	39	3	2.5	460	950	32940	2007940E	9.5	950	1300
	310	70	66	56	3	2.5	575	1120	32040X2	2007140	17.9	900	1200
	310	70	70	53	3	2.5	650	1300	32040	2007140E	18.9	900	1200
	360	64	58	48	5	4	765	1140	30240	7240E	25.4	900	1300
	360	104	98	82	5	4	1090	1750	32240	7540E	43.2	900	1300
205	485	117.5	100	75	4	4	1400	2020	30641	7841E	95	850	1200
210	420	90	81	67	6	5	1280	1910	–	7342X2	56	850	1200
220	300	51	48	41	3	2.5	425	855	32944X2	2007944	10.2	900	1200
	340	76	72	62	4	3	702	1330	32044X2	2007144	22.2	800	1000
	340	76	76	57	4	3	750	1350	32044	2007144E	24.4	800	1000
	400	72	65	54	4	3	810	1150	30244	7244E	35.4	850	1200
	400	114	108	90	4	3	1320	2210	32244	7544E	48.1	800	1100
240	320	51	48	41	3	2.5	390	860	32948X2	2007948	10.8	800	1000
	360	76	72	62	4	3	710	1420	32048X2	2007148	23.8	700	900
	360	76	76	57	4	3	850	1560	32048	2007148E	20.4	700	900
	440	127	120	100	4	4	1630	2730	32248	7548	81.3	750	1000
260	360	63.5	60	52	3	2.5	525	1150	32952X2	2007952	19.2	700	900
	360	63.5	63.5	48	3	2.5	550	1300	32952	2007952E	20	700	900
	400	87	82	71	5	4	902	1810	32052X2	2007152	36.9	670	850
	400	87	87	65	5	4	1010	1850	32052	2007152E	37	670	850
	540	114	102	85	6	6	2014	2898	30352X2	7352	111	670	900
270	420	87	87	65	5	4	1150	2060	32054X2	2007154	45	600	750
280	350	36	33	26	2	2	279	469	30656	1007856	6.33	870	1100
	380	63.5	63.5	48	3	2.5	635	1300	32956	2007956E	19.8	800	1100
	420	87	82	71	5	4	622	1940	32056X2	2007156	39.6	600	750
	420	87	87	65	5	4	1170	2230	32056	2007156E	40.4	600	750

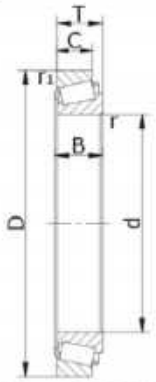
Single-row tapered roller bearings



Type 30000
(Type 7000)

Boundary dimensions mm							Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	B	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
300	420	76	76	57	4	3	998	2128	32960	2007960E	28.7	700	950
	440	73	70	55	4	3	959	2062	30660	7860	30.7	570	600
	460	100	95	82	5	4	1050	2190	32060X2	2007160	55.9	560	700
	500	95	90	70	4	4	1225	2207	31160X2	1007760	67.7	530	670
320	440	76	72	62	4	3	1040	2320	32964X2	2007964	44.7	560	700
	440	76	76	57	4	3	962	2040	32964	2007964E	33	560	700
	480	100	95	82	5	4	1050	2190	32064X2	2007164	59	530	670
	480	100	100	74	5	4	1649	3192	32064	2007164E	60	530	670
	580	110	105	80	6	6	2100	3100	–	7264	114	480	600
340	460	76	72	62	4	3	611	1428	32968X2	2007968	34.3	530	670
	520	86	82	64	4	4	807	1540	32068X2	7168	57	500	630
	520	112	106	92	6	6	1660	3370	32068	–	86.5	500	630
	580	106	102	87	6	5	1840	2970	–	7768	109	480	600
360	480	76	72	62	4	3	634	1526	32972X2	2007972	35.9	500	630
	540	86	82	64	4	4	919	1848	31072X2	7172	60.5	480	600
	650	170	155	140	5	6	3580	6000	32272X2	–	175	380	480
380	520	66.5	65	46.5	3	3	529	1138	31976X2	1007976	37.5	480	600
	520	87	82	71	5	4	800	1600	32976X2	2007976	42.7	480	600
	620	112	106	76	4	4	909	1708	31176X2	1007776	114	400	500
400	500	60	57	47	4	3	665	775	–	7880	45.7	450	530
	540	70	65	51	3	3	1000	2070	31980X2	1007980	43.2	450	530
	540	87	82	71	5	4	1130	2760	32980X2	2007980	57	450	530
	600	95	90	67	4	4	1040	2128	31080X2	7180	84	400	500
420	560	70	65	51	3	3	630	1383	31984X2	1007984	42.4	400	500
	560	87	82	72	5	4	1250	2870	32984X2	2007984	46	400	500
	560	87	87	67	5	4	1250	2870	R420-5	–	47	400	500
	620	95	90	70	4	4	1132	2422	31084X2	7184	88	380	480
	700	130	122	92	6	6	1620	2800	31184X2	1007784	183	310	420
440	650	96.4	94	67	6	4	1193	2422	31088X2	7188	99	360	450
460	620	80	74	58	3	3	836	1834	31992X2	1007992	59.8	380	480
	680	105	100	78	6	6	1680	3550	31092X2	7192	118	330	450
480	650	84.2	78	60	4	4	854	1918	31996X2	1007996	71	340	430
500	720	110	100	82	6	6	1459	3192	310/500X2	71/500	135	280	360
530	710	88	82	62	4	4	1001	2380	319/530X2	10079/530	94.8	280	360
560	750	92.5	85	64	4	4	1001	2576	319/560X2	10079/560	104	240	320
	820	121	115	84	6	6	1887	4046	310/560X2	71/560	191	220	300
600	870	124	118	89	6	6	2020	4438	310/600X2	71/600	235	180	240
630	920	135	128	94	7.5	7.5	2315	5222	310/630X2	71/630	278	170	220
710	950	114	106	80	6	6	1765	4494	319/710X2	10079/710	210	150	190

Single-row tapered roller bearings



Type 30000
(Type 7000)

Boundary dimensions mm							Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	B	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
760	890	78	75	56	6	6	1510	1960	–	78/760	78.3	280	380
800	1060	122	115	89	6	6	2132	5530	319/800X2	10079/800	275	130	170
900	1180	124	122	87	6	6	2173	5782	319/900X2	10079/900	330	95	130
	1280	190	170	135	7.5	7.5	5615	13913	320/900X2	71/900	703	95	130
950	1250	140	132	100	7.5	7.5	3930	10427	319/950X2	10079/950	428	80	100

Double-row tapered roller bearings

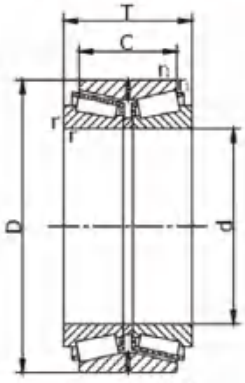
Because of more rows of rollers, the radial loading capacity of double-row tapered roller bearings is enhanced,and they aslo can carry heavy axial loads in two directions. They primarily carry combined loads which is main in radial, and limit axial displacement of shafts or housings in two directions, so they can be as locating bearings in two directions.

The performance of type TDO bearing is the same as two single-row tapered roller bearings in back to back mounted.

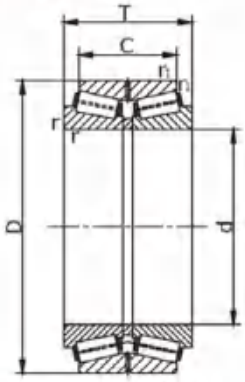
Double-row tapered roller bearings have a small number of parts and high stiffness,and are easy to be mounted and dismounted, therefore, they are usually used in the applications with changing loads, such as decelerators and coiling machines. The radial and axial clearance can be adjusted by changing the width of spacer between two inner rings.

Type TDI bearing is mainly used in roll necks with medium loads.This type of bearings have a cup spacer,and the clearance is adjustable.

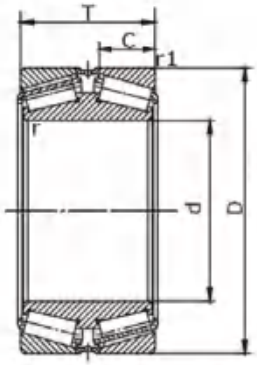
Double-row tapered roller bearings



Type 350000
(Type 97000)



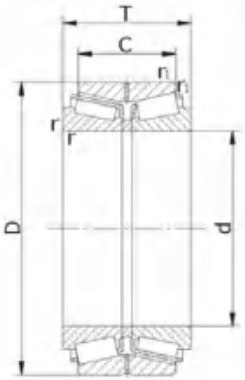
Type 350000 D1
(Type 37000)



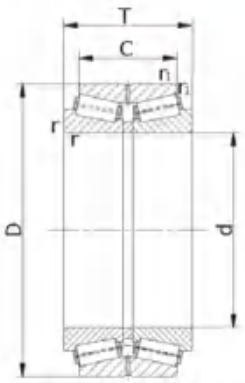
Type 370000

Boundary dimensions mm						Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
150	210	86	70	2.5	1	419	887	352930	2097930E	8.5	900	1300
	250	138	112	2.5	1	858	1620	352130	2097730	26	850	1100
	270	164	130	4	1	1250	2250	352230	97530E	38	800	1000
	270	172	138	4	1	1250	2250	352230X2	97530	38	800	1000
160	240	115	90	3	1	641	1400	352032X2	2097132	14.9	850	1100
	270	150	120	3	1	1050	2030	352132	2097732	32.5	800	1000
	290	178	144	4	1	1400	2730	352232	97532E	49	700	900
170	260	120	95	3	1	672	1460	352034X2	2097134	21	800	1000
180	280	134	108	3	1	952	1680	352036X2	2097136	29	670	850
	280	142	110	3	1	952	1880	352036	2097136E	28.5	800	1000

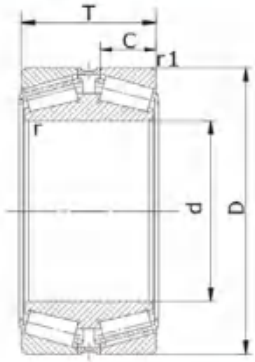
Double-row tapered roller bearings



Type 350000
(Type 97000)



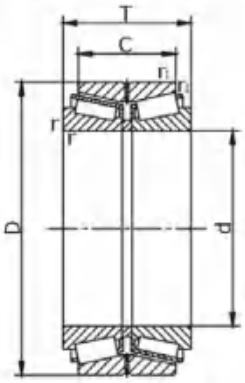
Type 350000 D1
(Type 37000)



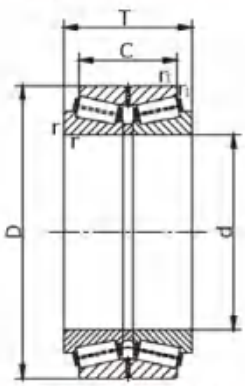
Type 370000

Boundary dimensions mm						Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
180	300	164	134	3	1	1290	2540	352136	2097736	44	670	850
	320	192	152	5	1.1	1750	3350	352236	97536E	62.5	600	750
190	289.5	100	40	3	3	750	1500	372038	–	27	700	900
	320	170	130	3	1	1440	2800	352138	2097738	51	670	850
200	280	116	92	3	1	758	1423	352940X2/YA	2097940EK	14.8	700	900
	280	105	80	3	1	650	2660	352940X2	2097940	18.5	700	900
	310	152	120	2.5	1.1	1180	2720	352040X2	2097140	41	670	850
	340	184	150	3	1	1680	3340	352140	2097740	64	670	850
	360	218	174	5	1.1	2310	4250	352240	97540E	90.5	600	750
220	300	110	88	3	1.2	660	1710	352944X2	2097944	21.2	670	850
	340	165	130	4	1	1360	2790	352044X2	2097144	47.7	600	750
	370	195	150	4	1.1	1740	3450	352144	2097744	76.3	600	750
230	355	145	110	6	3	1060	2040	350646D1	37746	43.6	600	750
240	320	116	92	3	1	820	1910	352948	2097948E	22.3	600	750
	320	110	90	3	1.5	820	1910	352948X2	2097948	23	600	750
	360	165	130	4	1	1370	3180	352048X2	2097148	52.8	530	670
	360	166	128	4	1	1370	3180	352048	2097148E	55.6	530	670
260	360	134	52	3.5	2.5	1150	2300	372952K	–	43.5	530	670
	360	134	108	3	1	1263	2430	352952X2	2097952	36.8	530	670
	400	150	110	6	1.5	1240	2330	–	37852	60.3	530	670
	400	186	146	5	1.1	1780	3830	352052X2	2097152	76.8	500	630
	400	190	146	5	1.1	1780	3830	352052	2097152E	79.5	500	630
	430	180	130	10	3	2100	2800	350652D1	37752	87.9	500	630
	430	180	130	7.5	1.5	2237	3016	350652	97752	93.4	500	630
	440	225	180	4	1.1	2480	5050	352152	2097752	124	450	560
280	380	134	108	3	1.1	1080	2610	352956X2	2097956	41.3	480	600
	420	133	106	4	2	1270	1936	351056	97156	58.1	450	560
	420	186	146	5	1.1	1860	4000	352056X2	2097156	81.5	450	560
300	420	160	128	4	1.1	1470	3530	352960X2	2097960	64	450	560
	460	210	165	4	1.5	2200	4940	352060X2	2097160	118	430	530
	500	205	152	5	1.5	2200	4500	351160	1097760	144	400	500
320	440	160	128	4	1.5	1410	3830	352964X2	2097964	67	430	530
	480	210	84	5	4	2340	6130	372064X2	–	133	400	500
	480	210	160	5	1.1	1830	4390	352064X2	2097164	122	400	500
340	460	160	128	4	1	1575	4050	352968X2	2097968	71	400	500
	520	180	135	5	1.5	1904	4070	351068	97168	119	380	480
	580	242	170	5	1.5	2870	5970	351168	1097768	214	340	430
350	590	200	140	9.5	1.5	2800	5500	350670	97770	212	320	400

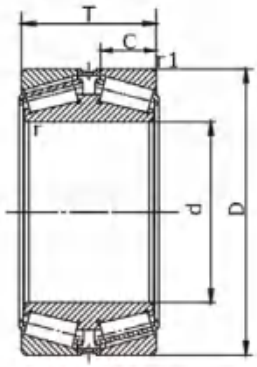
Double-row tapered roller bearings



Type 350000
(Type 97000)



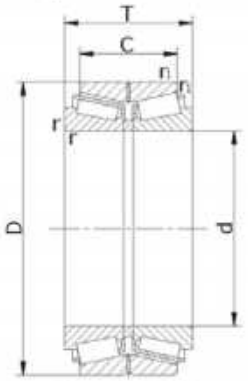
Type 350000 D1
(Type 37000)



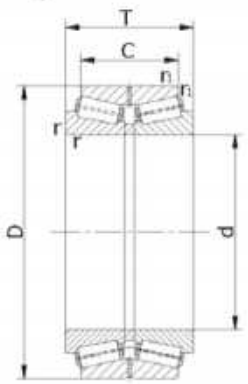
Type 370000

Boundary dimensions mm						Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
360	480	160	128	4	1	1490	4270	352972X2	2097972	74.3	380	480
	530	155	110	5	1.5	1690	3300	350672D1	37772	109	380	480
	530	155	110	5	1.5	1690	3300	350672	97772	107	380	480
	540	169	134	6	2	1980	3950	351072X2	97872	122	340	430
	540	185	140	5	1.5	2120	4910	351072	97172	127	360	450
	600	242	170	5	1.5	2950	6270	351172	1097772	235	320	400
379	681.5	307	118	2.5	6	5600	11700	3706/379	–	512	300	380
380	520	145	105	4	1.1	1210	3250	351976	1097976	80.3	360	450
	560	190	140	5	1.5	2150	5090	351076	97176	146	340	430
	620	242	170	5	1.5	3310	7430	351176	1097776	243	300	380
400	540	150	105	4	1.1	1210	3110	351980	1097980	86.9	320	400
	590	185	123	5	2	2710	5950	350180D	37780	166	320	400
	600	206	150	5	1.5	2620	6380	351080	97180	180	300	380
420	560	145	105	4	1.1	1450	3740	351984	1097984	88.7	300	380
	620	190	125	5	1	2450	5700	350184D	37784	171	280	360
	620	206	150	5	1.5	2650	6600	351084	97184	187	280	360
	700	275	200	6	2.5	4270	8810	351184	1097784	392	240	340
440	600	170	125	4	1.1	1890	4860	351988	1097988	114	280	360
	650	212	152	6	2.5	2750	7020	351088	97188	213	260	340
460	620	174	130	4	1.1	1910	4990	351992	1097992	130	260	340
	680	230	175	6	2.5	2680	5900	351092	97192	253	220	300
480	650	180	130	5	1.5	1950	5270	351996	1097996	151	240	320
	700	240	180	6	2.5	3330	8190	351096	97196	281	200	260
490	640	180	144	7.5	3	2290	6600	350698	97798	140	220	300
500	670	180	130	5	1.5	2150	6120	3519/500	10979/500	159	220	300
	720	236	180	6	2.5	3390	8450	3510/500	971/500	289	190	260
520	740	190	120	2.5	2.5	2780	6800	3506/520	977/520	231	190	260
530	710	190	136	5	1.5	2390	6800	3519/530	10979/530	190	190	260
	730	250	106	6	6	5350	14800	3706/530	–	354	160	200
560	750	213	156	5	1.5	2550	7060	3519/560	10979/560	235	170	220
	820	260	185	6	2.5	4340	10800	3510/560	971/560	409	160	200
600	800	205	156	5	1.5	3210	9460	3519/600	10979/600	266	150	190
	870	270	198	6	2.5	4880	12730	3510/600	971/600	500	130	170
630	850	242	182	6	2.5	3730	10390	3519/630	10979/630	368	130	170
670	900	240	180	6	2.5	5300	12300	3519/670	10979/670	416	120	160
710	950	240	175	6	2.5	4070	12400	3519/710X2	10979/710	444	100	140
	1030	236	208	7.5	4	5750	14300	3506/710	977/710	651	90	120
	1030	315	220	7.5	3	7830	18400	3510/710	971/710	774	90	120
720	915	190	140	3	6	3200	9650	3506/720	977/720	277	100	140

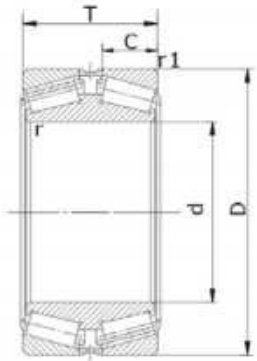
Double-row tapered roller bearings



Type 350000
(Type 97000)



Type 350000 D1
(Type 37000)



Type 370000

Boundary dimensions mm						Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	C	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
750	1000	264	194	6	2.5	5020	14480	3519/750	10979/750	499	90	120
800	1060	270	204	6	2.5	5020	15000	3519/800	10979/800	604	80	100
850	1120	268	188	6	2.5	5460	16860	3519/850	10979/850	636	75	95
950	1250	300	220	7.5	3	6790	21100	3519/950	10979/950	909	–	–
1120	1480	400	296	12	4	12060	34200	BT2B332756	–	1760	–	–
1160	1540	400	290	12	4	12780	34200	BT2B332780	–	1900	–	–
1250	1500	250	190	6	1.5	6633	20160	BT2B328339	–	795	–	–
1778	2159	393.7	266.7	12.7	3	13860	47700	BT2B332496	–	2750	–	–

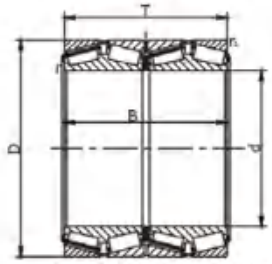
Four-row tapered roller bearings

Four-row tapered roller bearings are the one kind of roll neck bearings,their radial and axial loading capacity are high, can carry heavy axial loads in two directions,and their radial loading capacity is 3 times heavier than singe-row tapered roller bearings, but limiting speed is lower.They can be used as axial locating bearings in two directions because they are able to limit axial displacement in two directions within axial clearance.The radial and axial clearance also can be adjusted by changing the width of spacer between inner and outer rings.

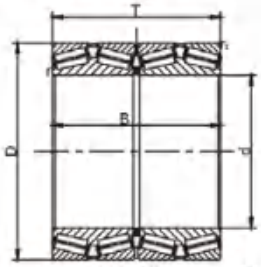
Four-row tapered roller bearings are mainly used in the working roll necks of hot or cold rolling mills, and roll neck of cogging mills.They usually clearance fit with roll necks to being mounted and dismounted conveniently.

Steel pressed cages are usually used in four-row tapered roller bearings,and pin-type cages are for large-size ones.

Four-row tapered roller bearings

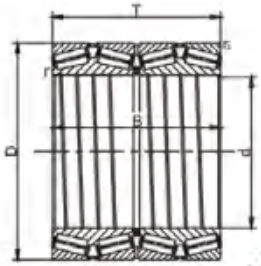


Type 380000(Structure 1)
(Type 77000)



Type 380000(Structure 2)
(Type 77000)

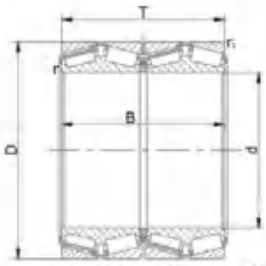
Type 380000(Structure 3)
(Type 77000)



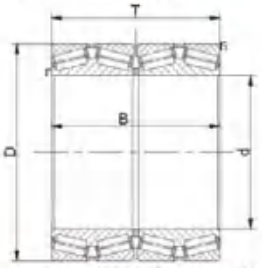
Type 380000(Structure 4)
(Type 77000)

Boundary dimensions mm					Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
150	210	165	2.5	2	700	1700	382930	2077930	16.5	670	850
160	220	165	2.5	2	795	2090	382932	2077932	18.5	670	850
170	260	230	3	2.5	907	1720	382034	2077134	39.5	670	850
200	310	200	3	2.5	1660	3100	382040X2	77740	55.6	560	700
	310	275	3	2.5	1760	4200	382040	2077140	75.1	560	700
205	320	205	3	3	1590	3260	380641	77741	57	500	630
220	340	305	4	3	2070	5430	382044	2077144	97.9	500	630
240	360	310	4	3	2110	5610	382048	2077148	90.5	450	560
250	460	270	5	4	3650	8250	380650	77750	192	380	480
260	360	265	3	2.5	1760	5220	382952	2077952	76.3	450	560
	400	255	4	7.5	2300	5000	380652	77752	114	490	600
	400	345	5	4	2960	7380	382052	2077152	153	430	530
	440	300	2	5	3550	8200	380152	777752	164	450	560
280	420	250	5	5	2780	5700	380656	77756	119	450	560
	460	324	5	4	2840	7290	381156	1077756	200	360	450

Four-row tapered roller bearings

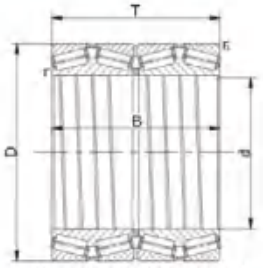


Type 380000(Structure 1)
(Type 77000)



Type 380000(Structure 2)
(Type 77000)

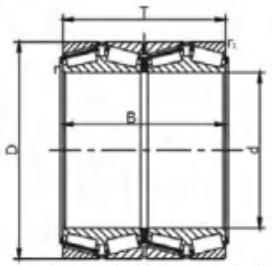
Type 380000(Structure 3)
(Type 77000)



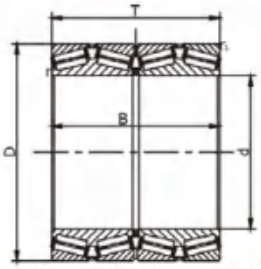
Type 380000(Structure 4)
(Type 77000)

Boundary dimensions mm					Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
300	420	300	4	3	2330	7210	382960	2077960	130	380	480
	420	310	4	3	3250	8150	380660	77860	134	380	480
	460	390	5	4	3180	9330	382060	2077160	238	360	450
	500	350	5	4	2980	6950	381160X2	77760	286	340	430
	500	370	5	4	3390	8710	381160	1077760	285	340	430
320	460	338	4	4	2950	8200	380664	77764	180	360	450
	460	380	4	4	3100	8750	380664X2	77864	218	360	450
	480	380	5	4	3180	9330	382064	2077164	234	340	430
340	460	310	4	3	2480	8100	382968	2077968	145	340	430
	520	325	5	4	3100	8620	381068	77168	234	320	400
	580	425	5	4	4580	11700	381168	1077768	441	280	360
350	590	420	2	5	4700	9700	380670	77770	475	280	360
360	480	310	4	3	2760	8300	382972	2077972	149	340	430
	480	375	3	3	3010	7870	380672	77872	189	340	430
	540	325	5	4	3388	8840	381072	77172	248	300	380
	600	420	6	6	7900	14000	381172	1077772	388	280	360
380	550	350	5	5	5250	13100	380676	77776	273	280	360
	560	325	5	4	3360	8840	381076	77176	281	280	380
	620	388	6	6	4200	9500	381176X2	3077776	443	240	360
	620	420	5	4	4710	12300	381176	1077776	519	240	360
395	545	288.7	4	7.5	2610	7490	380679	77779	194	280	360
400	540	280	4	4	3100	8750	380680	77880	175	280	360
	600	356	5	4	4160	10400	381080	77180	317	240	320
420	620	356	5	4	4160	10400	381084	77184	358	220	300
	700	480	6	5	6780	18500	381184	1077784	760	190	260
	760	500	7.5	7.5	9350	20300	380684	77884	1039	180	240
440	620	454	6	6	3960	7880	380688	77888	440	200	280
	650	355	6	6	4290	12390	380088	77788	385	200	280
	650	376	6	5	4330	13700	381088	77188	401	200	280
460	620	310	4	3	3360	10200	381992	1077992	173	200	280
	650	474	6	6	7200	15240	380692	77892	495	180	240
	680	410	6	5	5130	14200	381092	77192	476	180	240
	730	440	4	7.5	6500	15100	380692X3	77792	694	170	220
480	700	420	6	5	5780	16900	381096	77196	547	170	220
500	720	420	6	5	6650	19400	3810/500	771/500	565	160	200
530	780	450	6	5	7520	21500	3810/530	771/530	744	140	180
	870	590	7.5	6	9300	26100	3811/530	10777/530	1422	120	160
	880	544	7.5	7.5	10500	25600	3806/530	30777/530	1350	120	160
540	690	400	5	5	4860	17300	–	779/540	375	160	200
560	730	410	4	6	5560	18900	3828/560X	–	441	140	180
	750	368	5	4	4370	13300	3819/560	10779/560	456	140	180
	920	620	7.5	6	11200	26100	3811/560	10777/560	1635	100	140

Four-row tapered roller bearings

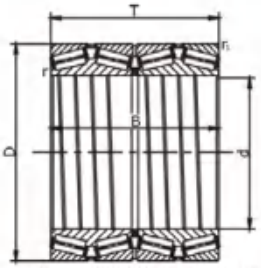


Type 380000(Structure 1)
(Type 77000)



Type 380000(Structure 2)
(Type 77000)

Type 380000(Structure 3)
(Type 77000)



Type 380000(Structure 4)
(Type 77000)

Boundary dimensions mm					Basic load ratings kN		Designations		Mass	Limiting speeds r/min	
d	D	T	r_{min}	r_{1min}	Cr	Cor	Current	Original	kg	Grease	Oil
600	800	365	5	5	5000	17800	–	779/600	489	120	160
	800	380	5	4	5500	18900	3819/600	10779/600	536	120	160
	870	480	6	5	8370	25400	3810/600	771/600	995	100	140
	980	650	7.5	6	12700	36700	3811/600	10777/600	1970	90	120
630	850	418	6	5	6440	19800	3819/630	10779/630	720	100	140
	920	515	7.5	6	9170	26800	3810/630	771/630	1158	95	130
	1030	670	7.5	6	14400	39900	3811/630	10777/630	2170	85	110
650	1030	560	7.5	12	11460	22050	3806/650	777/650	1769	85	110
670	900	412	6	5	6940	22300	3819/670	10779/670	959	95	130
	1090	710	7.5	6	15700	39900	3811/670	10777/670	2665	75	95
710	1030	555	7.5	6	11200	35800	3810/710	771/710	1568	75	95
750	1090	605	7.5	6	13100	42400	3810/750	771/750	1874	70	90
	1220	840	9.5	8	21900	68000	3811/750	10777/750	3994	48	80
774	1130	690	4	7.5	16700	50100	–	777/774	2400	48	80
950	1360	880	7.5	6	23300	83600	3820/950	20771/950	4087	–	–
1060	1500	1000	9.5	8	29100	105000	3820/1060	20771/1060	5698	–	–
1070	1400	889.762	4	12	27270	90000	BT4B328100	–	3730	–	–
1080	1450	950	5	12	30240	97200	BT4B331559	–	4450	–	–
1250	1550	890	5	12	27270	102600	BT4B328819	–	3820	–	–
1260	1640	1000	5	12	35190	128700	BT4B332124	–	5800	–	–
1300	1720	1040	5	12	38610	126000	BT4B331950	–	7000	–	–
1500	1900	1080	4	12	42120	153000	BT4B332078	–	7700	–	–
1580	1960	1080	5	12	41130	158400	BT4B331934	–	7800	–	–