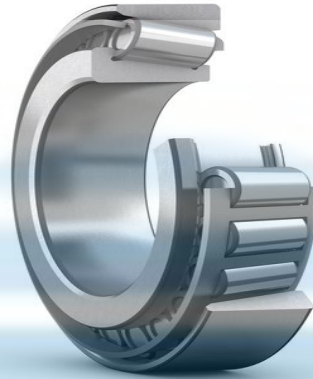




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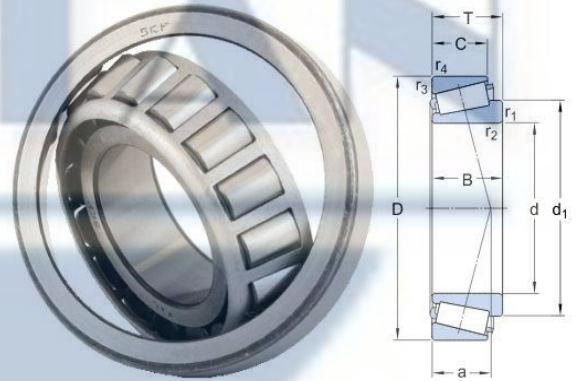
Tapered Roller Bearing



TM

Tapered Roller Bearing; We offers Single Row tapered roller bearings are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads. The projection lines of the raceways meet at a common point on the bearing axis to provide a true rolling action and therefore low frictional moments during operation. The axial load carrying capacity of tapered roller bearings increases with increasing contact angle α . The size of the contact angle, which is usually between 10° and 30° , is related to the calculation factor e (from the data table): the larger the value of e , the larger the contact angle.

Single Row Tapered Roller Bearing	
Item	Single Row Tapered Roller Bearing
Bore Diameter (d)	14.989-1270 mm
Outside Diameter (D)	34.988-1465 mm
Total Bearing Width (T)	10.998-200 mm



Basic Design Bearing

- Have a design and internal geometry that provide long service life.
- Have crowned raceway profiles and an optimized surface finish of the inner ring guide flange that enables them to run cooler and consume less lubricant than conventional design bearings.
- Have load rating values that are in accordance with ISO and even above.
- Offer a cost-effective solution for standard industrial applications
- On request, we can also supply any inner ring with roller and cage assembly (cone) or any outer ring (cup) separately.





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Principal dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d [mm]	D [mm]	T [mm]	C [kN]	C0 [kN]	Pu [kN]	Reference speed [r/min]	Limiting speed [r/min]	
14.989	34.988	10.998	16.5	13.2	1.29	17000	22000	<u>A 4059/A 4138</u>
15	35	11.75	18.5	14.6	1.43	17000	20000	<u>30202</u>
15	42	14.25	27.7	20	2.08	15000	18000	<u>30302</u>
15.875	42.862	14.288	21.5	17.6	1.8	13000	17000	<u>11590/11520</u>
17	40	13.25	23.4	18.6	1.83	15000	18000	<u>30203</u>
17	47	15.25	34.2	25	2.7	13000	16000	<u>30303</u>
17	47	20.25	42.8	33.5	3.65	12000	16000	<u>32303</u>
17.462	39.878	13.843	26.1	20.8	2.12	15000	18000	<u>LM 11749/710</u>
19.05	45.237	15.494	33.8	27.5	2.9	13000	16000	<u>LM 11949/910</u>
20	42	15	29.7	27	2.65	13000	16000	<u>32004 X</u>
20	47	15.25	34.1	28	3	12000	15000	<u>30204</u>
20	52	16.25	41.9	32.5	3.55	12000	14000	<u>30304</u>
20	52	22.25	54.3	45.5	5	11000	14000	<u>32304</u>
21.43	50.005	17.526	45.4	38	4.15	12000	15000	<u>M 12649/610</u>
21.987	45.237	15.494	33.9	31	3.2	12000	15000	<u>LM 12749/710</u>
22	44	15	30.9	29	2.85	13000	15000	<u>320/22 X</u>
25	47	15	33.2	32.5	3.25	12000	14000	<u>32005 X</u>
25	52	16.25	38.1	33.5	3.45	11000	13000	<u>30205</u>
25	52	19.25	44.5	44	4.65	10000	13000	<u>32205 B</u>
25	52	22	57.9	56	6	10000	13000	<u>33205</u>
25	62	18.25	46.6	40	4.4	8500	11000	<u>31305</u>
25	62	18.25	55.3	43	4.75	9500	12000	<u>30305</u>
25	62	25.25	74.1	63	7.1	9000	12000	<u>32305</u>
25.4	50.292	14.224	32	30	3	11000	13000	<u>L 44643/610</u>
25.4	57.15	17.462	49.1	45.5	4.9	10000	12000	<u>15578/15520</u>
25.4	57.15	19.431	48.8	45	5	10000	12000	<u>M 84548/510</u>
25.4	62	19.05	59.5	57	6.2	9000	11000	<u>15101/15245</u>
26.988	50.292	14.224	32	30	3	11000	13000	<u>L 44649/610</u>
28	52	16	39	38	4	10000	13000	<u>320/28 X</u>
28	58	17.25	46.6	41.5	4.4	10000	12000	<u>302/28</u>





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d [mm]	D [mm]	T [mm]	C [kN]	C0 [kN]	Pu [kN]	Reference speed [r/min]	Limiting speed [r/min]	
28	58	20.25	51.9	50	5.5	9500	12000	322/28 B
28.575	57.15	19.845	58.2	55	6	10000	12000	1988/1922
29	50.292	14.224	31.8	32.5	3.35	11000	13000	L 45449/410
30	55	17	43.9	44	4.55	10000	12000	32006 X
30	62	17.25	50	44	4.8	9000	11000	30206
30	62	21.25	61.8	57	6.3	9000	11000	32206
30	62	25	79.7	76.5	8.5	8500	11000	33206
30	72	20.75	58.3	50	5.7	7500	9500	31306
30	72	20.75	69.2	56	6.4	8000	10000	30306
30	72	28.75	95	85	9.65	7500	10000	32306
30.162	64.292	21.433	60.4	61	6.8	8500	11000	M 86649/610
30.162	68.262	22.225	67.1	69.5	7.8	8000	10000	M 88043/010
31.75	59.131	15.875	42.8	41.5	4.4	9500	11000	LM 67048/010
31.75	62	18.161	59.5	57	6.2	9000	11000	15123/15245
31.75	73.025	29.37	86.5	95	10.4	7500	9000	HM 88542/510
32	58	17	45.1	46.5	4.8	9000	11000	320/32 X
33.338	69.012	19.845	65.8	67	7.35	8000	10000	14131/14276
34.925	65.088	18.034	58	57	6.2	8500	10000	LM 48548 A/510
34.925	72.233	25.4	83	90	10	7500	9000	HM 88649/610
34.925	73.025	23.812	89.1	88	9.8	8000	9500	25877/25821
34.925	76.2	29.37	95.2	106	11.8	7000	8500	HM 89446/410
34.987	59.131	15.875	40.6	44	4.5	9000	11000	L 68149/110
34.987	59.975	15.875	40.6	44	4.5	9000	11000	L 68149/111
35	62	18	52.3	54	5.85	8500	10000	32007 X
35	72	18.25	63.2	56	6.1	8000	9500	30207
35	72	24.25	81.2	78	8.5	8000	9500	32207
35	72	28	104	106	11.8	7000	9500	33207
35	80	22.75	75.4	67	7.8	6300	8500	31307
35	80	22.75	88.9	73.5	8.3	7500	9000	30307
35	80	32.75	115	114	12.9	6300	8500	32307 B





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d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
35	80	32.75	117	106	12.2	6700	9000	<u>32307</u>
36.512	76.2	29.37	95.2	106	11.8	7000	8500	<u>HM 89449/410</u>
38	63	17	45.7	52	5.4	8500	10000	<u>IL 69349 A/310</u>
38	63	17	45.7	52	5.4	8500	10000	<u>IL 69349 X/310</u>
38	63	17	45.7	52	5.4	8500	10000	<u>IL 69349/310</u>
38.1	65.088	18.034	53	57	6.1	8000	10000	<u>LM 29748/710</u>
38.1	65.088	18.034	53	57	6.1	8000	10000	<u>LM 29749/710</u>
38.1	65.088	19.812	53	57	6.1	8000	10000	<u>LM 29749/711</u>
38.1	82.55	29.37	106	118	13.4	6700	8000	<u>HM 801346 X/310</u>
38.1	82.55	29.37	106	118	13.4	6700	8000	<u>HM 801346/310</u>
38.1	88.5	26.988	123	114	13.2	6700	8500	<u>418/414</u>
40	68	19	64.7	71	7.65	7500	9500	<u>32008 X</u>
40	75	26	97.5	104	11.4	7000	9000	<u>33108</u>
40	80	19.75	75.8	68	7.65	7000	8500	<u>30208</u>
40	80	19.75	75.8	68	7.65	7000	8500	<u>30208 R</u>
40	80	24.75	91.6	86.5	9.8	7000	8500	<u>32208</u>
40	80	32	128	132	15	6300	8500	<u>33208</u>
40	85	33	150	150	17.3	6700	8000	<u>T2EE 040</u>
40	90	25.25	91.1	81.5	9.5	5600	7500	<u>31308</u>
40	90	25.25	106	95	10.8	6300	8000	<u>30308</u>
40	90	35.25	143	140	16	6000	8000	<u>32308</u>
40.987	67.975	17.5	53.6	58.5	6.3	8000	9500	<u>LM 300849/811</u>
41.275	73.431	19.558	67.6	68	7.65	7500	9000	<u>LM 501349/310</u>
41.275	73.431	21.43	67.6	68	7.65	7500	9000	<u>LM 501349/314</u>
41.275	76.2	22.225	84.2	86.5	9.65	7000	9000	<u>24780/24720</u>
41.275	82.55	26.543	91.2	91.5	10.6	6700	8000	<u>M 802048/011</u>
41.275	87.312	30.162	126	132	15	6300	8000	<u>3585/3525</u>
41.275	88.9	30.162	116	127	14.6	6000	7500	<u>HM 803146/110</u>
42.875	82.931	26.988	99.1	106	12	6700	8000	<u>25577/25523</u>
44.45	82.931	23.812	99.1	106	11.8	6700	8000	<u>25580/25520</u>





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d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
44.45	88.9	30.162	116	127	14.6	6000	7500	<u>HM 803149/110</u>
44.45	93.264	30.163	134	146	17	5600	7000	<u>3782/3720</u>
44.45	95.25	30.958	108	96.5	11.4	5300	7000	<u>53178/53377</u>
44.45	95.25	30.958	124	122	14	5300	7000	<u>HM 903249/210</u>
44.45	111.125	38.1	183	190	21.6	5300	6300	<u>535/532 A</u>
45	75	20	71.7	80	8.8	7000	8500	<u>32009 X</u>
45	80	26	104	114	12.9	6700	8000	<u>33109</u>
45	85	20.638	87.3	81.5	9.3	6700	8000	<u>358 X/354 X</u>
45	85	20.75	81.6	76.5	8.65	6300	8000	<u>30209</u>
45	85	24.75	98.7	98	11	6300	8000	<u>32209</u>
45	85	32	132	143	16.3	6000	7500	<u>33209</u>
45	95	29	110	112	12.7	5300	7000	<u>T7FC 045</u>
45	95	36	182	186	20.8	6000	7000	<u>T2ED 045</u>
45	100	27.25	113	102	12.5	5000	6700	<u>31309</u>
45	100	27.25	132	120	14.3	5600	7000	<u>30309</u>
45	100	38.25	173	170	20.4	5300	7000	<u>32309</u>
45.242	73.431	19.558	66	75	8.15	7000	8500	<u>LM 102949/910</u>
45.242	77.788	19.842	66.8	69.5	7.65	7000	8500	<u>LM 603049/011</u>
45.242	77.788	21.43	66.8	69.5	7.65	7000	8500	<u>LM 603049/012</u>
45.618	82.931	23.812	99.1	106	11.8	6700	8000	<u>25590/25520</u>
45.618	82.931	26.988	99.1	106	11.8	6700	8000	<u>25590/25523</u>
45.987	74.975	18	62.1	71	7.65	7000	8500	<u>LM 503349/310</u>
46.038	79.375	17.462	61.1	62	6.8	7000	8500	<u>18690/18620</u>
46.038	85	20.638	87.3	81.5	9.3	6700	8000	<u>359 S/354 X</u>
47.625	88.9	20.638	94	91.5	10.4	6300	7500	<u>369 S/362 A</u>
50	72	15	41.3	53	5.6	7000	8500	<u>32910</u>
50	80	20	75.1	88	9.65	6300	8000	<u>32010 X</u>
50	80	24	84.8	102	11.4	6300	8000	<u>33010</u>
50	82	21.501	88.9	100	11	6300	8000	<u>ILM 104945/910</u>
50	85	26	106	122	13.4	6000	7500	<u>33110</u>





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d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
50	90	21.75	93.1	91.5	10.4	6000	7500	<u>30210</u>
50	90	24.75	101	100	11.4	6000	7500	<u>32210</u>
50	90	28	130	140	16	6000	7500	<u>JM 205149/110</u>
50	90	28	130	140	16	6000	7500	<u>JM 205149/110 A</u>
50	90	32	142	160	18.3	5300	7000	<u>33210</u>
50	100	36	189	200	22.4	5600	6700	<u>T2ED 050</u>
50	105	32	134	137	16	4800	6300	<u>T7FC 050</u>
50	110	29.25	131	120	14.3	4500	6000	<u>31310</u>
50	110	29.25	154	140	16.6	5300	6300	<u>30310</u>
50	110	42.25	196	216	24.5	4500	6000	<u>32310 B</u>
50	110	42.25	211	212	24	4800	6300	<u>32310</u>
50.8	85	17.462	62.1	65.5	7.2	6300	8000	<u>18790/18720</u>
50.8	88.9	20.638	94	91.5	10.4	6300	7500	<u>368 A/362 A</u>
50.8	90	25	94	91.5	10.4	6300	7500	<u>368 A/362 X</u>
50.8	107.95	36.512	183	190	21.6	5300	6300	<u>537/532 X</u>
53.975	88.9	19.05	71.5	78	9	6000	7000	<u>LM 806649/610</u>
53.975	107.95	36.512	183	190	21.6	5300	6300	<u>539/532 X</u>
53.975	123.825	36.512	174	160	19.6	4300	5600	<u>72212/72487</u>
55	90	23	99.4	116	12.9	5600	7000	<u>32011 X</u>
55	90	27	111	137	15.3	5600	7000	<u>33011</u>
55	95	30	136	156	17.6	5600	6700	<u>33111</u>
55	100	22.75	111	106	12	5300	6700	<u>30211</u>
55	100	26.75	130	129	15	5300	6700	<u>32211</u>
55	100	35	170	190	21.6	4800	6300	<u>33211</u>
55	110	39	220	232	26	5000	6000	<u>T2ED 055</u>
55	115	34	155	163	19.3	4300	5600	<u>T7FC 055</u>
55	120	31.5	149	137	16.6	4300	5600	<u>31311</u>
55	120	31.5	176	163	19.3	4800	5600	<u>30311</u>
55	120	45.5	245	250	28.5	4300	5600	<u>32311</u>
57.15	96.838	21	99.9	102	11.6	5600	6700	<u>387 A/382 A</u>





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d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
57.15	104.775	30.162	150	160	18.6	5300	6300	462/453 X
57.15	112.712	30.162	175	204	23.6	4500	5600	39581/39520
59.987	135.755	53.975	353	400	45.5	4000	5000	6391/K-6320
60	85	17	53.2	75	7.8	6000	7000	32912
60	95	23	101	122	13.4	5300	6700	32012 X
60	95	24	103	132	15	5300	6700	JLM 508748/710
60	95	27	113	143	16	5300	6700	33012
60	100	30	144	170	19.6	5300	6300	33112
60	110	23.75	120	114	13.2	5000	6000	30212
60	110	29.75	155	160	18.6	5000	6000	32212
60	110	38	207	236	26.5	4500	6000	33212
60	115	40	239	260	30	4800	5600	T2EE 060
60	125	37	190	204	24.5	4000	5300	T7FC 060
60	130	33.5	177	166	20.4	3800	5300	31312
60	130	33.5	208	196	23.6	4300	5300	30312
60	130	48.5	271	305	35.5	3800	5000	32312 B
60	130	48.5	282	290	34	4000	5300	32312
63.5	110	22	108	118	13.4	4800	6000	395/394 A
63.5	112.712	30.162	175	204	23.6	4500	5600	39585/39520
63.5	112.712	30.163	152	183	21.2	4800	5600	3982/3920
65	90	17	54.7	80	8.15	5600	6700	32913
65	100	23	103	127	14	5000	6000	32013 X
65	100	27	119	153	17.3	5000	6300	33013
65	105	24	122	137	16	5000	6000	JLM 710949/910
65	110	28	152	183	21.2	4800	5600	JM 511946/910
65	110	31	170	193	22.4	4800	6000	T2DD 065
65	110	34	175	208	24	4800	5600	33113
65	120	24.75	141	134	16.3	4500	5600	30213
65	120	32.75	186	193	22.8	4500	5600	32213
65	120	41	239	270	30.5	4000	5300	33213





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d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
65	130	37	194	216	25.5	3800	5000	<u>T7FC 065</u>
65	140	36	203	193	23.6	3600	4800	<u>31313</u>
65	140	36	240	228	27.5	4000	4800	<u>30313</u>
65	140	51	305	345	40	3600	4800	<u>32313 B</u>
65	140	51	323	335	40	3600	4800	<u>32313</u>
65.088	135.755	53.975	353	400	45.5	4000	5000	<u>6379/K-6320</u>
66.675	110	22	108	118	13.4	4800	6000	<u>395 A/394 A</u>
66.675	110	22	108	118	13.4	4800	6000	<u>395 S/394 A</u>
66.675	112.712	30.162	152	183	21.2	4800	5600	<u>3984/3920</u>
66.675	112.712	30.162	175	204	23.6	4500	5600	<u>39590/39520</u>
66.675	135.755	53.975	353	400	45.5	4000	5000	<u>6386/K-6320</u>
69.85	120	29.795	163	186	21.6	4500	5300	<u>482/472</u>
69.85	127	36.512	217	255	29	4300	5000	<u>566/563</u>
70	100	20	85.8	112	12.7	5000	6000	<u>32914</u>
70	110	25	125	153	17.3	4500	5600	<u>32014 X</u>
70	110	31	159	196	22.8	4800	5600	<u>33014</u>
70	120	37	211	250	28.5	4300	5300	<u>33114</u>
70	125	26.25	155	156	18	4300	5300	<u>30214</u>
70	125	33.25	195	208	24.5	4300	5300	<u>32214</u>
70	125	41	247	285	32.5	3800	5000	<u>33214</u>
70	130	43	289	325	38	4000	5000	<u>T2ED 070</u>
70	140	39	219	240	27.5	3400	4500	<u>T7FC 070</u>
70	150	38	229	220	27	3400	4500	<u>31314</u>
70	150	38	271	260	31	3800	4500	<u>30314</u>
70	150	54	363	380	45	3400	4500	<u>32314</u>
71.438	117.475	30.162	152	190	21.6	4500	5300	<u>33281/33462</u>
71.438	136.525	46.038	273	355	39	3800	4500	<u>H 715345/311</u>
73.025	127	36.512	217	255	29	4300	5000	<u>567/563</u>
75	105	20	86.8	116	13.2	4800	5600	<u>32915</u>
75	115	25	130	163	18.6	4300	5300	<u>32015 X</u>





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Principal dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
75	115	31	167	228	26	4300	5300	33015
75	120	31	170	216	25	4300	5300	JM 714249/210
75	125	37	216	265	30	4000	5000	33115
75	130	27.25	171	176	20.4	4000	5000	30215
75	130	33.25	197	212	24.5	4000	5000	32215
75	130	41	255	300	34	3600	4800	33215
75	145	51	380	450	51	3600	4500	JH 415647/610
75	160	40	255	245	29	3200	4300	31315
75	160	40	301	290	34	3400	4300	30315
75	160	58	410	475	53	3200	4000	32315 B
75	160	58	416	440	51	3200	4300	32315
76.2	127	30.162	171	204	24	4000	5000	42687/42620
76.2	133.35	33.338	202	260	30	3800	4800	47678/47620
76.2	139.992	36.512	227	280	31	3800	4500	575/572
77.788	121.442	24.608	115	134	15.3	4300	5300	34306/34478
77.788	127	30.163	171	204	24	4000	5000	42690/42620
80	110	20	89.7	125	14	4500	5600	32916
80	125	29	168	216	24.5	4000	5000	32016 X
80	125	36	207	285	32	4000	5000	33016
80	130	35	216	275	31	4000	4800	JM 515649/610
80	130	37	221	280	31	4000	4800	33116
80	140	28.25	184	183	21.2	3800	4800	30216
80	140	35.25	228	245	28.5	3800	4500	32216
80	140	46	308	375	41.5	3400	4500	33216
80	170	42.5	276	265	30.5	3000	4000	31316
80	170	42.5	333	320	36.5	3200	4000	30316
80	170	61.5	404	500	56	3000	4000	32316
82.55	139.992	36.512	227	280	31	3800	4500	580/572
82.55	146.05	41.275	270	320	35.5	3600	4300	663/653
82.55	150.089	44.45	351	405	46.5	3600	4300	749 A/742





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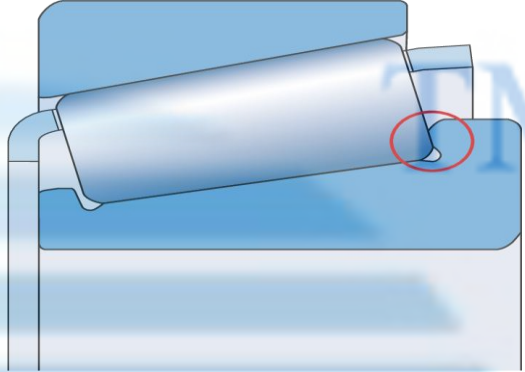
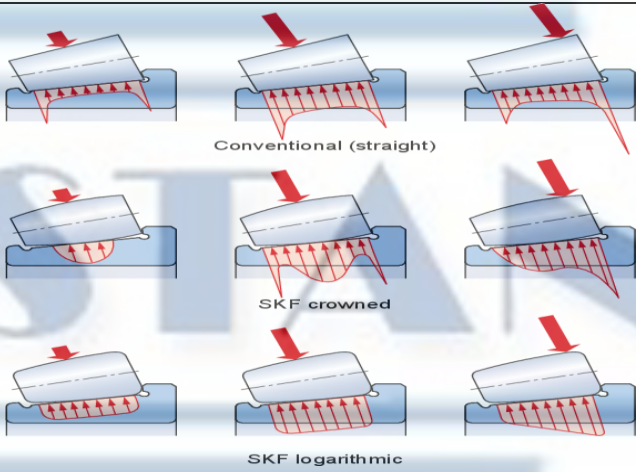
Principal dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d[mm]	D[mm]	T[mm]	C[kN]	C0[kN]	Pu[kN]	Reference speed [r/min]	Limiting speed [r/min]	
85	120	23	115	156	17.6	4000	5000	32917
85	130	29	171	224	25.5	3800	4800	32017 X
85	130	36	223	310	34.5	3800	4800	33017
85	140	41	268	340	38	3600	4500	33117
85	150	30.5	216	220	25.5	3600	4300	30217
85	150	38.5	263	285	33.5	3600	4300	32217
85	150	49	353	430	48	3200	4300	33217
85	170	48	333	380	43	2800	3800	T7FC 085
85	180	44.5	297	285	32	2800	3800	31317
85	180	44.5	372	365	40.5	3000	3800	30317
85	180	63.5	435	530	60	2800	3800	32317
85.725	133.35	30.163	178	220	25.5	3800	4500	497/492 A
88.9	152.4	39.688	237	305	33.5	3400	4300	593/592 A
88.9	161.925	53.975	404	510	56	3200	4000	6580/6535
90	125	23	119	166	18.3	4000	4800	32918
90	140	32	208	270	31	3600	4300	32018 X
90	140	39	266	355	39	3600	4500	33018
90	145	35	246	305	33.5	3600	4300	JM 718149 A/110
90	145	35	246	305	33.5	3600	4300	JM 718149/110
90	146.975	40	280	355	39	3400	4300	HM 218248/210
90	150	45	310	390	43	3400	4300	33118
90	160	32.5	240	245	28.5	3400	4000	30218
90	160	42.5	309	340	38	3400	4000	32218
90	160	55	415	520	57	3000	4000	33218
90	161.925	53.975	404	510	56	3200	4000	6581 X/6535
90	190	46.5	283	315	35.5	2400	3400	31318
90	190	46.5	353	400	44	2600	3600	30318
90	190	67.5	487	610	65.5	2600	3600	32318
92.075	152.4	39.688	237	305	33.5	3400	4300	598/592 A
95	130	23	121	173	18.6	3800	4500	32919





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Features and Benefits;

Features	Images
<ul style="list-style-type: none"> • Low friction; The optimized roller end design and surface finish on the flange promote lubricant film formation, resulting in lower friction. This also reduces frictional heat and flange wear. In addition, the bearings can better maintain preload and run at reduced noise levels. 	
<ul style="list-style-type: none"> • Long service life; The crowned raceway profiles of basic design bearings and the logarithmic raceway profiles of <u>SKF Explorer bearings</u> optimize the load distribution along the contact surfaces, reduce stress peaks at the roller ends and reduce the sensitivity to misalignment and shaft deflection compared with conventional straight raceway profiles. 	
<ul style="list-style-type: none"> • Enhanced operational reliability Optimized surface finish on the contact surfaces of the rollers and raceways supports the formation of a hydrodynamic lubricant film. 	-
<ul style="list-style-type: none"> • Consistency of roller profiles and sizes The rollers incorporated in SKF tapered roller bearings are manufactured to such close dimensional and geometrical tolerances that they are practically identical. This provides optimal load distribution, reduces noise and vibration, and enables preload to be set more accurately. 	-





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<ul style="list-style-type: none">• Rigid bearing application A single row tapered roller bearing is typically adjusted against a second tapered roller bearing. By applying a preload, a rigid bearing application can be achieved.																									
<ul style="list-style-type: none">• Running-in period with reduced temperature peaks; Tapered roller bearings typically have a running-in period, during which a conventional design tapered roller bearing experiences a significant amount of friction, resulting in wear. This effect is noticed as a temperature spike. With SKF tapered roller bearing designs, friction, frictional heat and wear are significantly reduced, provided the bearings are mounted and lubricated correctly.	<table border="1"><caption>Temperature vs Operating hours</caption><thead><tr><th>Operating hours [h]</th><th>Conventional design bearings [°C]</th><th>SKF basic design bearings [°C]</th><th>SKF Explorer bearings [°C]</th></tr></thead><tbody><tr><td>0</td><td>~70</td><td>~70</td><td>~70</td></tr><tr><td>5</td><td>~140</td><td>~110</td><td>~100</td></tr><tr><td>10</td><td>~100</td><td>~90</td><td>~85</td></tr><tr><td>15</td><td>~95</td><td>~85</td><td>~80</td></tr><tr><td>20</td><td>~90</td><td>~80</td><td>~75</td></tr></tbody></table>	Operating hours [h]	Conventional design bearings [°C]	SKF basic design bearings [°C]	SKF Explorer bearings [°C]	0	~70	~70	~70	5	~140	~110	~100	10	~100	~90	~85	15	~95	~85	~80	20	~90	~80	~75
Operating hours [h]	Conventional design bearings [°C]	SKF basic design bearings [°C]	SKF Explorer bearings [°C]																						
0	~70	~70	~70																						
5	~140	~110	~100																						
10	~100	~90	~85																						
15	~95	~85	~80																						
20	~90	~80	~75																						
<ul style="list-style-type: none">• Separable and interchangeable; The inner ring with roller and cage assembly (cone) can be mounted separately from the outer ring (cup). Furthermore, the separable components are interchangeable. This facilitates mounting, dismounting and also maintenance inspection routines.																									