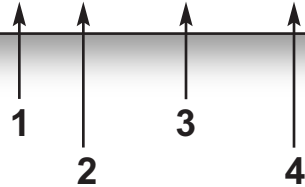




Taper Roller Bearings

32302 B J2 / Q CL7A

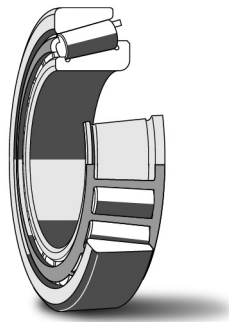


1. Contact Angles		3. Features	
B	Steep contact angle	Q	Improved friction torque characteristics and raceway geometry
-	Standard contact angle (no symbol)		
2. Internal Designs		4. Quality	
DB	Duplex (2) bearings in back-to-back arrangement including spacers for both rings	CL7A	Standard SKF quality for pinion bearings
DF	Duplex (2) bearings face-to-face arrangement including 1 outer ring spacer	CL7C	Special SKF quality for pinion bearings
J2	Internal design changed to pressed steel cage rolling element guided	VQ051	Modified internal geometry for increased permissible misalignment
X	Boundary dimensions according to ISO standards	C...	i.e. C220 = axial clearance in paired bearings

Taper roller bearings

Technical Features

Boundary Dimensions	In accordance with ISO 355-1977 DIN 616 (large bearings)
Tolerances	Normal, with O/D over 420 mm the running accuracy is P6
Heat Stabilization	Bearings up to 165mm O/D 302°F (125°C) 166-420mm O/D 392°F (150°C)
Misalignment	3 minutes of arc (logarithmic profile rollers)
Cage Material	
Standard	Steel
Optional	None
Axial Load - max	Contact SKF Application Engineering
Seals	Not available

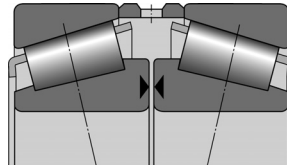


*Single Row
Taper Roller Bearing
(data tables on page 146)*

Table 1 Total width tolerances and standard internal clearance of matched single row metric taper roller bearings

Bore diameter			Total width tolerance TsDF											
d			Series 320 X				Series 302, 322				Series 313 (X)			
over	incl.		max	min		max	min		max	min		max	min	
mm	inches		µm		inches	µm		inches	µm		inches	µm		inches
-	30	1.1811	+550	+100	0.0217	0.0039	+550	+100	0.0217	0.0039	+550	+50	0.0197	0.0020
30	40	1.5748	+550	+100	0.0217	0.0039	+600	+150	0.0236	0.0059	+550	+50	0.0217	0.0020
40	50	1.9685	+600	+150	0.0236	0.0059	+600	+200	0.0236	0.0079	+550	+50	0.0217	0.0020
50	65	1.9685	+600	+150	0.0236	0.0059	+600	+200	0.0236	0.0079	+550	+100	0.0217	0.0039
65	80	2.5591	+600	+200	0.0236	0.0078	+650	+200	0.0256	0.0079	+600	+100	0.0236	0.0039
80	100	3.1496	+650	-250	0.0256	-0.0098	+700	-200	0.0276	-0.0079	+600	-300	0.0236	-0.0118
100	120	3.9370	+700	-200	0.0276	-0.0079	+700	-200	0.0276	-0.0079	+600	-300	0.0236	-0.0118
120	140	4.7244	1000	-300	0.0394	-0.0118	1000	-300	0.0394	-0.0118	+950	-350	0.0374	-0.0138
140	160	5.5118	1050	-250	0.0413	-0.0098	1050	-250	0.0413	-0.0098	+950	-350	0.0374	-0.0138
160	180	6.2992	1100	-200	0.0433	-0.0079	1100	-200	0.0433	-0.0079	-	-	-	-
180	200	7.0866	1100	-200	0.0433	-0.0079	1100	-200	0.0433	-0.0079	-	-	-	-
200	225	7.8740	1150	-150	0.0453	-0.0059	1150	-150	0.0453	-0.0059	-	-	-	-
225	250	8.8583	1200	-100	0.0472	-0.0039	1200	-100	0.0472	-0.0039	-	-	-	-
250	280	9.8425	1250	-50	0.0492	-0.0020	+250	-50	0.0492	-0.0020	-	-	-	-

Axial internal clearance of matched single row metric taper roller bearings face to face

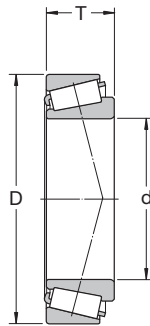


Bore diameter		Axial internal clearance of matched bearings of series											
d		329		320 X		330		331, 302, 322, 332		303, 323		313 (X)	
over	incl.	min	max	min	max	min	max	min	max	min	max	min	max
mm		µm											
-	30	-	-	80	120	-	-	100	140	130	170	60	100
30	40	-	-	100	140	-	-	120	160	140	180	70	110
40	50	-	-	120	160	180	220	140	180	160	200	80	120
50	65	-	-	140	180	200	240	160	200	180	220	100	140
65	80	-	-	160	200	250	290	180	220	200	260	110	170
80	100	270	310	190	230	350	390	210	270	240	300	110	170
100	120	270	330	220	280	340	400	220	280	280	340	130	190
120	140	310	370	240	300	340	400	240	300	330	390	160	220
140	160	370	430	270	330	340	400	270	330	370	430	180	240
160	180	370	430	310	370	-	-	310	370	390	450	-	-
180	190	370	430	340	400	-	-	340	400	440	500	-	-
190	200	390	450	340	400	-	-	340	400	440	500	-	-
200	225	440	500	390	450	-	-	390	450	490	550	-	-
225	250	440	500	440	500	-	-	440	500	540	600	-	-
250	280	540	600	490	550	-	-	490	550	-	-	-	-
280	300	640	700	540	600	-	-	540	600	-	-	-	-
300	340	640	700	590	650	-	-	590	650	-	-	-	-

Metric single row taper roller bearings

d 15 - 35 mm

d 0.591 - 1.378 in



Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed			
mm			in			kN		kN	r/min		kg	–	–
15	42	14.25	0.591	1.654	0.561	22.4	20	2.08	13 000	18 000	0.095	30302 J2	2FB
17	40	13.25	0.669	1.575	0.522	19	18.6	1.83	13 000	18 000	0.075	30203 J2	2DB
	47	15.25		1.850	0.600	28.1	25	2.75	12 000	16 000	0.13	30303 J2	2FB
	47	20.25		1.850	0.797	40	33.5	3.65	12 000	16 000	0.17	*32303 J2/Q	2FD
20	42	15	0.787	1.654	0.591	28	27	2.7	13 000	16 000	0.097	*32004 X/Q	3CC
	47	15.25		1.850	0.600	32	28	3	12 000	15 000	0.12	*30204 J2/Q	2DB
	52	16.25		2.047	0.640	39	32.5	3.6	12 000	14 000	0.17	*30304 J2/Q	2FB
	52	22.25		2.047	0.876	51	45.5	5	12 000	14 000	0.23	*32304 J2/Q	2FD
22	44	15	0.866	1.732	0.591	25.1	29	2.85	11 000	15 000	0.1	320/22 X	3CC
25	47	15	0.984	1.850	0.591	31	32.5	3.25	12 000	14 000	0.11	*32005 X/Q	4CC
	52	16.25		2.047	0.640	35.5	33.5	3.45	11 000	13 000	0.15	*30205 J2/Q	3CC
	52	19.25		2.047	0.758	41.5	44	4.65	10 000	13 000	0.19	*32205 BJ2/Q	5CD
	52	22		2.047	0.866	54	56	6	10 000	13 000	0.23	*33205/Q	2DE
	62	18.25		2.441	0.719	44.6	43	4.75	9 000	12 000	0.26	30305 J2	2FB
	62	18.25		2.441	0.719	38	40	4.4	7 500	11 000	0.26	31305 J2	7FB
	62	25.25		2.441	0.994	60.5	63	7.1	8 000	12 000	0.36	32305 J2	2FD
28	52	16	1.102	2.047	0.630	36.5	38	4	10 000	13 000	0.15	*320/28 X/Q	4CC
	58	17.25		2.283	0.679	38	41.5	4.4	9 000	12 000	0.25	302/28 J2	–
	58	20.25		2.283	0.797	48	50	5.5	9 500	12 000	0.25	*322/28 BJ2/Q	5DD
30	55	17	1.181	2.165	0.669	40.5	44	4.55	10 000	12 000	0.17	*32006 X/Q	4CC
	62	17.25		2.441	0.679	46.5	44	4.8	9 000	11 000	0.23	*30206 J2/Q	3DB
	62	21.25		2.441	0.837	58.5	57	6.3	9 000	11 000	0.28	*32206 J2/Q	3DC
	62	21.25		2.441	0.837	56	58.5	6.55	9 000	11 000	0.3	*32206 BJ2/QCL7CVA606	5DC
	62	25		2.441	0.984	75	76.5	8.5	8 500	11 000	0.37	*33206/Q	2DE
	72	20.75		2.835	0.817	64	56	6.4	8 000	10 000	0.39	*30306 J2/Q	2FB
	72	20.75		2.835	0.817	55	50	5.7	7 500	9 500	0.39	*31306 J2/Q	7FB
	72	28.75		2.835	1.132	88	85	9.65	7 500	10 000	0.55	*32306 J2/Q	2FD
32	53	14.5	1.260	2.087	0.571	27	35.5	3.65	9 000	12 000	0.11	JL 26749 F/710	(L 26700)
	58	17		2.283	0.669	42.5	46.5	4.8	9 000	11 000	0.19	*320/32 X/Q	4CC
35	62	18	1.378	2.441	0.709	49	54	5.85	8 500	11 000	0.22	*32007 X/Q	4CC
	62	18		2.441	0.709	43	49	5.2	8 500	11 000	0.22	*32007 J2/Q	–
	72	18.25		2.835	0.719	58.5	56	6.1	8 000	9 500	0.32	*30207 J2/Q	3DB
	72	24.25		2.835	0.955	76.5	78	8.5	8 000	9 500	0.43	*32207 J2/Q	3DC
	72	28		2.835	1.102	96.5	106	11.8	7 000	9 500	0.56	*33207/Q	2DE
	80	22.75		3.150	0.896	83	73.5	8.3	7 500	9 000	0.52	*30307 J2/Q	2FB
	80	22.75		3.150	0.896	71	67	7.8	6 300	8 500	0.52	*31307 J2/Q	7FB
	80	32.75		3.150	1.289	95.2	106	12.2	6 700	9 000	0.73	32307 J2/Q	2FE
	80	32.75		3.150	1.289	93.5	114	13.2	6 300	8 500	0.8	32307 BJ2/Q	5FE

* SKF Explorer bearing

Metric single row taper roller bearings

d 37 - 46 mm

d 1.457 - 1.811 in

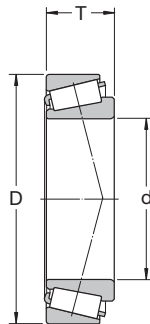
Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)
d	D	T	d	D	T	dynamic	static		Reference speed	Limiting speed			
mm			in			kN		kN	r/min		kg	—	—
37	80	32.75	1.457	3.150	1.289	93.5	114	13.2	6 300	8 500	0.85	32307/37 BJ2/Q	—
38	63	17	1.496	2.480	0.669	42.5	52	5.4	8 500	11 000	0.2	*JL 69349 A/310/Q	(L 69300)
	63	17		2.480	0.669	42.5	52	5.4	8 500	11 000	0.2	*JL 69349 X/310/Q	(L 69300)
	63	17		2.480	0.669	42.5	52	5.4	8 500	11 000	0.19	*JL 69349/310/Q	(L 69300)
	63	17		2.480	0.669	42.5	52	5.4	8 500	11 000	0.19	*JL 69345 F/310/Q	(L 69300)
	68	19	2.677	0.748	60	71	7.65	7 500	10 000	0.28	*32008/38 X/Q	—	
40	68	19	1.575	2.677	0.748	60	71	7.65	7 500	9 500	0.27	*32008 X/Q	3CD
	68	19		2.677	0.748	60	71	7.65	7 500	9 500	0.27	*32008 XTN9/Q	3CD
	75	26	2.953	1.024	91.5	104	11.4	7 000	9 000	0.51	*33108/Q	2CE	
	80	19.75	3.150	0.778	71	68	7.65	7 000	8 500	0.42	*30208 J2/Q	3DB	
	80	24.75	3.150	0.974	85	86.5	9.8	7 000	8 500	0.53	*32208 J2/Q	3DC	
	80	24.75	3.150	0.974	86.5	93	10.8	6 700	8 500	0.52	*32208 BJ2/Q	5DC	
	80	32	3.150	1.260	120	132	15	6 300	8 500	0.77	*33208/QCL7C	2DE	
	85	33	3.346	1.299	121	150	17.3	6 000	9 000	0.9	T2EE 040/QVB134	2EE	
	90	25.25	3.543	0.994	100	95	10.8	6 300	8 000	0.72	*30308 J2/Q	2FB	
	90	25.25	3.543	0.994	85	81.5	9.5	5 600	7 500	0.72	*31308 J2/QCL7C	7FB	
90	35.25	3.543	1.388	117	140	16	5 300	8 000	1	32308 J2/Q	2FD		
45	75	20	1.772	2.953	0.787	67	80	8.8	7 000	8 500	0.34	*32009 X/Q	3CC
	80	26		3.150	1.024	96.5	114	12.9	6 700	8 000	0.56	*33109/Q	3CE
	85	20638	3.346	812.518	81.5	81.5	9.3	6 700	8 500	0.5	*358 X/354 X/Q	-355	
	85	20.75	3.346	0.817	76.5	76.5	8.65	6 300	8 000	0.48	*30209 J2/Q	3DB	
	85	24.75	3.346	0.974	91.5	98	11	6 300	8 000	0.58	*32209 J2/Q	3DC	
	85	32	3.346	1.260	108	143	16.3	5 300	7 500	0.82	33209/Q	3DE	
	90	24.75	3.543	0.974	95	104	12.2	6 000	8 000	0.65	*32210/45 BJ2/QVB022	—	
	95	29	3.740	1.142	104	112	12.7	5 300	7 000	0.92	*T7FC 045/HN3QCL7C	7FC	
	95	36	3.740	1.417	106	146	16.6	5 300	8 000	1.2	T2ED 045	2ED	
	100	27.25	3.937	1.073	125	120	14.3	5 600	7 000	0.97	*30309 J2/Q	2FB	
	100	27.25	3.937	1.073	106	102	12.5	5 000	6 700	0.95	*31309 J2/QCL7C	7FB	
	100	38.25	3.937	1.506	140	170	20.4	4 800	7 000	1.35	32309 J2/Q	2FD	
	100	38.25	3.937	1.506	156	176	20	5 000	6 700	1.45	*32309 BJ2/QCL7C	5FD	
46	75	18	1.811	2.953	0.709	58.5	71	7.65	7 000	9 500	0.3	*LM 503349/310/QCL7C	(LM 503300)

* SKF Explorer bearing

Metric single row taper roller bearings

d 50 - 55 mm

d 1.969 - 2.165 in



Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed			
mm			in			kN		kN	r/min		kg	—	—
50	80	20	1.969	3.150	0.787	69.5	88	9.65	6 300	8 000	0.37	*32010 X/Q	3CC
	80	20		3.150	0.787	69.5	88	9.65	6 300	8 000	0.37	*32010 X/QCL7CVB026	3CC
	80	24		3.150	0.945	80	102	11.4	6 300	8 000	0.45	*33010/Q	2CE
	82	21.5		3.228	0.846	83	100	11	6 300	8 500	0.43	*JLM 104948 AA/910 AA/Q	(LM 104900)
	85	26		3.346	1.024	100	122	13.4	6 000	7 500	0.59	*33110/Q	3CE
	90	21.75		3.543	0.856	86.5	91.5	10.4	6 000	7 500	0.54	*30210 J2/Q	3DB
	90	24.75		3.543	0.974	95	100	11.4	6 000	7 500	0.61	*32210 J2/Q	3DC
	90	28		3.543	1.102	122	140	16	6 000	8 000	0.75	*JM 205149/110/Q	(M 205100)
	90	28		3.543	1.102	122	140	16	6 000	8 000	0.75	*JM 205149/110 A/Q	(M 205100)
	90	32		3.543	1.260	114	160	18.3	5 000	7 000	0.9	33210/Q	3DE
	100	36		3.937	1.417	154	200	22.4	5 000	7 500	1.3	T2ED 050/Q	2ED
	105	32		4.134	1.260	125	137	16	4 800	6 300	1.2	*T7FC 050/QCL7C	7FC
	110	29.25		4.331	1.152	143	140	16.6	5 300	6 300	1.25	*30310 J2/Q	2FB
	110	29.25		4.331	1.152	122	120	14.3	4 500	6 000	1.2	*31310 J2/QCL7C	7FB
	110	42.25		4.331	1.663	172	212	24	4 300	6 300	1.8	32310 J2/Q	2FD
	110	42.25		4.331	1.663	172	212	24	4 300	6 300	1.8	32310 TN9	2FD
110	42.25		4.331	1.663	183	216	24.5	4 500	6 000	1.85	*32310 BJ2/QCL7C	5FD	
55	90	23	2.165	3.543	0.906	93	116	12.9	5 600	7 000	0.55	*32011 X/Q	3CC
	90	27		3.543	1.063	104	137	15.3	5 600	7 000	0.67	*33011/Q	2CE
	95	30		3.740	1.181	110	156	17.6	5 000	6 700	0.86	33111/Q	3CE
	100	22.75		3.937	0.896	104	106	12	5 300	6 700	0.7	*30211 J2/Q	3DB
	100	26.75		3.937	1.053	106	129	15	5 000	6 700	0.83	32211 J2/Q	3DC
	100	35		3.937	1.378	138	190	21.6	4 500	6 300	1.2	33211/Q	3DE
	110	39		4.331	1.535	179	232	26	4 500	6 700	1.7	T2ED 055/QCLN	2ED
	115	34		4.528	1.339	146	163	19.3	4 300	5 600	1.6	*T7FC 055/QCL7C	7FC
	120	31.5		4.724	1.240	166	163	19.3	4 800	5 600	1.55	*30311 J2/Q	2FB
	120	31.5		4.724	1.240	140	137	16.6	4 300	5 600	1.55	*31311 J2/QCL7C	7FB
	120	45.5		4.724	1.791	198	250	28.5	4 000	5 600	2.3	32311 J2	2FD
	120	45.5		4.724	1.791	216	260	30	4 300	5 600	2.5	*32311 BJ2/QCL7C	5FD

* SKF Explorer bearing

Metric single row taper roller bearings

d 60 - 70 mm

d 2.36 - 2.756 in

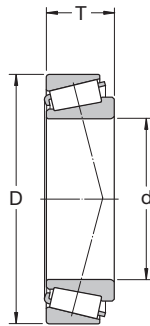
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation	Dimension	
d	D	T	d	D	T	C	C ₀	P _u	Refer-ence speed	Limiting speed	kg	–	Series to ISO 355 (ABMA)	
mm			in			kN		kN	r/min			–	–	
60	95	23	2.362	3.740	0.906	95	122	13.4	5 300	6 700	0.59	*32012 X/QCL7C	4CC	
	95	24		3.740	0.945	96.5	132	15	5 300	7 000	0.63	*JLM 508748/710/Q	2CE	
	95	27		3.740	1.063	106	143	16	5 300	6 700	0.71	*33012/Q	2CE	
	100	30		3.937	1.181	134	170	19.6	5 300	6 300	0.92	*33112/Q	3CE	
	110	23.75		4.331	0.935	112	114	13.2	5 000	6 000	0.88	*30212 J2/Q	3EB	
	110	29.75		4.331	1.171	146	160	18.6	5 000	6 000	1.15	*32212 J2/Q	3EC	
	110	29.75		4.331	1.171	140	156	19	4 800	6 000	1.15	*32212 BJ2/Q	–	
	110	38		4.331	1.496	168	236	26.5	4 000	6 000	1.6	33212/Q	3EE	
	115	40		4.528	1.575	194	260	30	4 300	6 300	1.85	T2EE 060/Q	2EE	
	130	33.5		5.118	1.319	168	196	23.6	4 000	5 300	1.95	30312 J2/Q	2FB	
	130	33.5		5.118	1.319	166	166	20.4	3 800	5 300	1.9	*31312 J2/QCL7C	7FB	
	130	48.5		5.118	1.909	229	290	34	3 600	5 300	2.85	32312 J2/Q	2FD	
	130	48.5		5.118	1.909	255	305	35.5	3 800	5 000	2.8	*32312 BJ2/QCL7C	5FD	
	65	100	23	2.559	3.937	0.906	96.5	127	14	5 000	6 000	0.63	*32013 X/Q	4CC
		100	27		3.937	1.063	110	153	17.3	5 000	6 300	0.78	*33013/Q	2CE
110		28		4.331	1.102	143	283	21.2	4 800	6 300	1.05	*JM 511946/910/Q	(M 511900)	
110		31		4.331	1.220	138	193	22.4	4 300	6 300	1.15	T2DD 065/Q	2DD	
110		34		4.331	1.339	142	208	24	4 300	5 600	1.3	33113/Q	3DE	
120		24.75		4.724	0.974	132	134	16.3	4 500	5 600	1.15	*30213 J2/Q	3EB	
120		32.75		4.724	1.289	151	193	22.8	4 000	5 600	1.5	32213 J2/Q	3EC	
120		41		4.724	1.614	194	270	30.5	3 800	5 300	2.05	33213/Q	3EE	
120		41		4.724	1.614	194	270	30.5	3 800	5 300	2.05	33213 TN9/Q	3EE	
130		37		5.118	1.457	180	216	25.5	3 800	5 000	2.2	*T7FC 065/QCL7C	7FC	
140		36		5.512	1.417	194	228	27.5	3 600	4 800	2.4	30313 J2/Q	2GB	
140		36		5.512	1.417	190	193	23.6	3 600	4 800	2.35	*31313 J2/QCL7C	7GB	
140		51		5.512	2.008	264	335	40	3 400	4 800	3.45	32313 J2/Q	2GD	
140		51		5.512	2.008	285	345	40.5	3 600	4 800	3.35	*32313 BJ2/QU4CL7CVQ267	5GD	
70		110	25	2.756	4.331	0.984	116	153	17.3	4 500	5 600	0.84	*32014 X/Q	4CC
	110	31	4.331		1.220	130	196	22.8	4 300	5 600	1.1	33014	2CE	
	120	37	4.724		1.457	172	250	30	4 000	5 300	1.7	33114/Q	3DE	
	125	26.25		4.921	1.033	125	156	18	4 000	5 300	1.25	30214 J2/Q	3EB	
	125	33.25		4.921	1.309	157	208	24.5	3 800	5 300	1.6	32214 J2/Q	3EC	
	125	41		4.921	1.614	201	285	32.5	3 600	5 000	2.1	33214/Q	3EE	
	130	43		5.118	1.693	233	325	38	3 800	5 600	2.45	T2ED 070/QCLNVB061	2ED	
	140	39		5.512	1.535	204	240	27.5	3 400	4 500	2.65	*T7FC 070/QCL7C	7FC	
	150	38		5.906	1.496	220	260	31	3 400	4 500	2.9	30314 J2/Q	2GB	
	150	38		5.906	1.496	216	220	27	3 400	4 500	2.95	*31314 J2/QCL7C	7GB	
	150	54		5.906	2.126	297	380	45	3 200	4 500	4.3	32314 J2/Q	2GD	
	150	54		5.906	2.126	325	400	46.5	3 400	4 300	4.25	*32314 BJ2/QCL7C	5GD	

* SKF Explorer bearing

Metric single row taper roller bearings

d 75 - 85 mm

d 2.953 - 3.346 in



Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)	
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed				
mm			in			kN		kN	r/min		kg	–	–	
75	105	20	2.953	4.134	0.787	81.5	116	13.2	4 800	6 300	0.52	*32915 TN9/QVG900	2BC	
	115	25		4.528	0.984	122	163	18.6	4 300	5 300	0.9	*32015 X/Q	4CC	
	115	31		4.528	1.220	134	228	26	4 000	5 300	1.15	33015/Q	2CE	
	120	31		4.724	1.220	160	216	25	4 300	5 600	1.3	*JM 714249/210/Q	(M 714200)	
	125	37		4.921	1.457	176	265	31.5	3 800	5 000	1.8	33115/Q	3DE	
	130	27.25		5.118	1.073	140	176	20.4	3 800	5 000	1.4	30215 J2/Q	4DB	
	130	33.25		5.118	1.309	161	212	24.5	3 600	5 000	1.7	32215 J2/Q	4DC	
	130	41		5.118	1.614	209	300	34	3 400	4 800	2.25	33215/Q	3EE	
	145	52		5.709	2.047	297	450	51	3 400	4 800	3.95	T3FE 075/QVB481	3FE	
	150	42		5.906	1.654	232	280	31	3 200	4 300	3.25	*T7FC 075/QCL7C	7FC	
	160	40		6.299	1.575	246	290	34	3 200	4 300	3.45	30315 J2/Q	2GB	
	160	40		6.299	1.575	240	245	29	3 200	4 300	3.5	*31315 J2/QCL7C	7GB	
	160	58		6.299	2.283	336	440	51	3 000	4 300	5.2	32315 J2	2GD	
	160	58		6.299	2.283	380	475	55	3 200	4 000	5.55	*32315 BJ2/QCL7C	5GD	
	80	125	29	3.150	4.921	1.142	138	216	24.5	3 600	5 000	1.3	32016 X/Q	3CC
125		36	4.921		1.417	168	285	32	3 600	5 000	1.65	33016/Q	2CE	
130		35		5.118	1.378	176	275	32.5	3 600	5 300	1.7	JM 515649/610/Q	(M515600)	
130		37		5.118	1.457	179	280	32.5	3 600	4 800	1.9	33116/Q	3DE	
130		37		5.118	1.457	179	280	32.5	3 600	4 800	1.9	33116 TN9/Q	3DE	
140		28.25		5.512	1.112	151	183	21.2	3 400	4 800	1.6	30216 J2/Q	3EB	
140		35.25		5.512	1.388	187	245	28.5	3 400	4 500	2.05	32216 J2/Q	3EC	
140		46		5.512	1.811	251	375	41.5	3 200	4 500	2.9	33216/Q	3EE	
160		45		6.299	1.772	260	315	35.5	3 000	4 000	3.95	*T7FC 080/QCL7C	7FC	
170		42.5		6.693	1.673	270	320	38	3 000	4 300	4.1	30316 J2	2GB	
170		42.5		6.693	1.673	260	265	32	3 000	4 000	4.05	*31316 J1/QCL7C	7GB	
170		61.5		6.693	2.421	380	500	57	3 000	4 300	6.2	32316 J2	2GD	
85		130	29	3.346	5.118	1.142	140	224	25.5	3 400	4 800	1.35	32017 X/Q	4CC
		130	36		5.118	1.417	183	310	34.5	3 600	4 800	1.75	33017/Q	2CE
		140	41		5.512	1.614	220	340	38	3 400	4 500	2.45	33117/Q	3DE
	150	30.5		5.906	1.201	176	220	25.5	3 200	4 300	2.05	30217 J2/Q	3EB	
	150	38.5		5.906	1.516	212	285	33.5	3 200	4 300	2.6	32217 J2/Q	3EC	
	150	49		5.906	1.929	286	430	48	3 000	4 300	3.7	33217/Q	3EE	
	180	44.5		7.087	1.752	303	365	40.5	2 800	4 000	4.85	30317 J2	2GB	
	180	44.5		7.087	1.752	242	285	33.5	2 600	3 800	4.6	31317 J2	7GB	
	180	63.5		7.087	2.500	402	530	60	2 800	4 000	6.85	32317 J2	2GD	
	180	63.5		7.087	2.500	391	560	62	2 800	4 000	7.5	32317 BJ2	5GD	

* SKF Explorer bearing

Metric single row taper roller bearings

d 90 - 100 mm

d 3.543 - 3.937 in

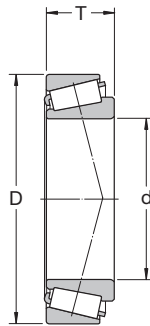
Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)	
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed				
mm			in			kN		kN	r/min		kg	—	—	
90	140	32	3.543	5.512	1.260	168	270	31	3 200	4 300	1.75	32018 X/Q	3CC	
	140	39		5.512	1.535	216	355	39	3 200	4 500	2.2	33018/Q	2CE	
	145	35		5.709	1.378	201	305	35.5	3 200	4 800	2.1	JM 718149 A/110/Q	(M 718100)	
	150	42		5.906	1.654	216	375	40.5	3 000	4 500	3	T5ED 090/QU4	5ED	
	150	45		5.906	1.772	251	390	43	3 000	4 300	3.1	33118/Q	3DE	
	150	45		5.906	1.772	251	390	43	3 000	4 300	3.1	33118 TN9/Q	3DE	
	160	32.5		6.299	1.280	194	245	28.5	3 000	4 000	2.55	30218 J2	3FB	
	160	42.5		6.299	1.673	251	340	38	3 000	4 000	3.35	32218 J2/Q	3FC	
	190	46.5		7.480	1.831	330	400	44	2 600	4 000	5.65	30318 J2	2GB	
	190	46.5		7.480	1.831	264	315	36.5	2 400	3 400	5.9	31318 J2	7GB	
	190	67.5		7.480	2.657	457	610	67	2 600	4 000	8.4	32318 J2	2GD	
	95	145	32	3.740	5.709	1.260	168	270	30.5	3 200	4 300	1.8	32019 X/Q	4CC
		145	39		5.709	1.535	220	375	40.5	3 200	4 300	2.3	33019/Q	2CE
		170	34.5		6.693	1.358	216	275	31.5	2 800	3 800	3	30219 J2	3FB
170		45.5		6.693	1.791	281	390	43	2 800	3 800	4.05	32219 J2	3FC	
170		58		6.693	2.283	374	560	62	2 600	3 800	5.5	33219	3FE	
180		49		7.087	1.929	275	400	44	2 400	3 400	5.25	T7FC 095/CL7CVQ051	7FC	
200		49.5		7.874	1.949	330	390	42.5	2 600	3 400	6.7	30319	2GB	
200		49.5		7.874	1.949	292	355	39	2 400	3 400	6.95	31319 J2	7GB	
200		71.5		7.874	2.815	501	670	72	2 400	3 400	11	32319 J2	2GD	
100		140	25	3.937	5.512	0.984	119	204	22.4	3 200	4 800	1.15	32920/Q	2CC
		145	24		5.709	0.945	125	190	20.8	3 200	4 500	1.15	T4CB 100/Q	4CB
	150	32	5.906		1.260	172	280	31	3 000	4 000	1.9	32020 X/Q	4CC	
	150	39	5.906		1.535	224	390	41.5	3 000	4 000	2.4	33020/Q	2CE	
	157	42		6.181	1.654	246	400	42.5	3 000	4 300	2.9	HM 220149/110/Q	(HM 220100)	
	160	41		6.299	1.614	246	390	41.5	2 800	4 300	3	JHM 720249/210/Q	(HM 720200)	
	165	47		6.496	1.850	314	480	53	2 800	4 300	3.9	T2EE 100	2EE	
	180	37		7.087	1.457	246	320	36	2 800	3 600	3.65	30220 J2	3FB	
	180	49		7.087	1.929	319	440	48	2 600	3 600	4.9	32220 J2	3FC	
	180	63		7.087	2.480	429	655	71	2 400	3 600	6.95	33220	3FE	
	215	51.5		8.465	2.028	402	490	53	2 400	3 200	8.05	30320 J2	2GB	
	215	56.5		8.465	2.224	430	465	51	2 400	3 000	8.6	*31320 XJ2/CL7CVQ051	7GB	
	215	77.5		8.465	3.051	572	780	83	2 200	3 000	12.5	32320 J2	2GD	

* SKF Explorer bearing

Metric single row taper roller bearings

d 105 - 140 mm

d 4.134 - 5.512 in



Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed			
mm			in			kN		kN	r/min		kg	–	–
105	160	35	4.134	6.299	1.378	201	335	37.5	2 800	3 800	2.4	32021 X/Q	4DC
	160	43		6.299	1.693	246	430	45.5	2 800	3 800	3.05	33021/Q	2DE
	190	39		7.480	1.535	270	355	40	2 600	3 400	4.25	30221 J2	3FB
	190	53		7.480	2.087	358	510	55	2 600	3 400	6	32221 J2	3FC
	225	81.5		8.858	3.209	605	815	85	2 000	3 000	14.5	32321 J2	2GD
110	150	25	4.331	5.906	0.984	125	224	24	3 000	4 300	1.25	32922 X/Q	2CC
	170	38		6.693	1.496	233	390	42.5	2 600	3 600	3.05	32022 X/Q	4DC
	170	47		6.693	1.850	281	500	53	2 600	3 600	3.85	33022	2DE
	180	56		7.087	2.205	369	630	67	2 600	3 400	5.55	33122	3EE
	200	41		7.874	1.614	308	405	45	2 400	3 200	5.1	30222 J2	3FB
	200	56		7.874	2.205	402	570	61	2 400	3 200	7.1	32222 J2	3FC
	240	54.5		9.449	2.146	473	585	62	2 200	2 800	11	30322 J2	2GB
	240	63		9.449	2.480	457	585	62	1 900	2 800	12	31322 XJ2	7GB
	240	84.5		9.449	3.327	627	830	86.5	1 900	2 800	17	32322	2GD
	120	165	29	4.724	6.496	1.142	165	305	32	2 600	3 800	1.8	32924
170		27	6.693		1.063	157	250	26.5	2 600	3 800	1.7	T4CB 120	4CB
180		38	7.087		1.496	242	415	44	2 400	3 400	3.25	32024 X	4DC
180		48	7.087		1.890	292	540	56	2 600	3 400	4.2	33024	2DE
215		43.5		8.465	1.713	341	465	49	2 200	3 000	6.15	30224 J2	4FB
215		61.5		8.465	2.421	468	695	72	2 200	3 000	9.15	32224 J2	4FD
260		59.5		10.236	2.343	561	710	73.5	2 000	2 600	14	30324 J2	2GB
260		68		10.236	2.677	539	695	73.5	1 700	2 400	15.5	31324 XJ2	7GB
260		90.5		10.236	3.563	792	1 120	110	1 800	2 600	21.5	32324 J2	2GD
130		180	32	5.118	7.087	1.260	198	365	38	2 400	3 600	2.4	32926
	200	45	7.874		1.772	314	540	55	2 200	3 000	4.95	32026 X	4EC
	230	43.75	9.055		1.722	369	490	53	2 000	2 800	7.6	30226 J2	4FB
	230	67.75		9.055	2.667	550	830	85	2 000	2 800	11.5	32226 J2	4FD
	280	63.75		11.024	2.510	627	800	83	1 800	2 400	17	30326 J2	2GB
	280	72		11.024	2.835	605	780	81.5	1 600	2 400	18.5	31326 XJ2	7GB
140	190	32	5.512	7.480	1.260	205	390	40	2 200	3 400	2.55	32928	2CC
	195	29		7.677	1.142	194	325	33.5	2 200	3 200	2.4	T4CB 140	4CB
	210	45		8.268	1.772	330	585	58.5	2 200	2 800	5.25	32028 X	4DC
	250	45.75		9.843	1.801	418	570	58.5	1 900	2 600	8.65	30228 J2	4FB
	250	71.75		9.843	2.825	644	1 000	100	1 900	2 600	14.5	32228 J2	4FD
	300	77		11.811	3.031	693	900	88	1 500	2 200	24.5	31328 XJ2	7GB

* SKF Explorer bearing

Metric single row taper roller bearings

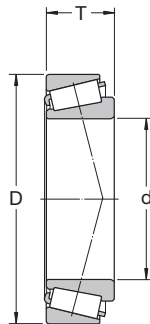
d 150 - 220 mm
d 5.906 - 8.661 in

Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)
d	D	T	d	D	T	C	C_0		Refer- ence speed	Limiting speed			
mm			in			kN		kN	r/min		kg	–	–
150	210	32	5.906	8.268	1.260	233	390	40	2 000	3 000	3.05	T4DB 150	4DB
	225	48		8.858	1.890	369	655	65.5	2 000	2 600	6.35	32030 X	4EC
	225	59		8.858	2.323	457	865	86.5	2 000	2 600	8.15	33030	2EE
	270	49		10.630	1.929	429	560	57	1 800	2 400	11	30230	4GB
	270	77		10.630	3.031	737	1 140	112	1 700	2 400	17.5	32230 J2	4GD
	320	82		12.598	3.228	781	1 020	100	1 400	2 000	29.5	31330 XJ2	7GB
	160	220	32	6.299	8.661	1.260	242	415	41.5	2 000	2 800	3.25	T4DB 160
240		51	9.449		2.008	429	780	78	1 800	2 400	7.75	32032 X	4EC
245		61	9.646		2.402	528	980	95	1 800	2 600	10.5	T4EE 160/VB406	4EE
290		52		11.417	2.047	528	735	72	1 600	2 200	13	30232 J2	4GB
290		84		11.417	3.307	880	1 400	132	1 600	2 200	25.5	32232 J2	4GD
340		75		13.386	2.953	913	1 180	114	1 500	2 000	29	30332 J2	2GB
170		230	32	6.693	9.055	1.260	251	440	43	1 900	2 800	3.45	T4DB 170
	230	38	9.055		1.496	286	585	55	1 900	2 800	4.5	32934	3DC
	260	57	10.236		2.244	512	915	90	1 700	2 200	10.5	32034 X	4EC
	310	57		12.205	2.244	616	865	83	1 500	2 000	19	30234 J2	4GB
	310	91		12.205	3.583	1 010	1 630	150	1 500	2 000	28.5	32234 J2	4GD
	180	240	32	7.087	9.449	1.260	251	450	44	1 800	2 600	3.6	T4DB 180
250		45	9.843		1.772	352	735	68	1 700	2 600	6.65	32936	4DC
280		64	11.024		2.520	644	1 160	110	1 600	2 200	14.5	32036 X	3FD
320		57		12.598	2.244	583	815	80	1 500	2 000	20	30236 J2	4GB
320		91		12.598	3.583	1 010	1 630	150	1 400	1 900	29.5	32236 J2	4GD
190	260	45	7.480	10.236	1.772	358	765	72	1 600	2 400	7	32938	4DC
	260	46		10.236	1.811	380	800	75	1 600	2 400	6.7	JM 738249/210	(M 738200)
	290	64		11.417	2.520	660	1 200	112	1 500	2 000	15	32038 X	4FD
	340	60		13.386	2.362	721	1 000	95	1 400	1 800	24	30238 J2	4GB
200	270	37	7.874	10.630	1.457	330	600	57	1 600	2 400	5.45	T4DB 200	4DB
	280	51		11.024	2.008	473	950	88	1 500	2 200	9.5	32940	3EC
	310	70		12.205	2.756	748	1 370	127	1 400	1 900	19.5	32040 X	4FD
	360	64		14.173	2.520	792	1 120	106	1 300	1 700	25	30240 J2	4GB
	360	104		14.173	4.094	1 210	2 000	180	1 300	1 700	42.5	32240 J2	3GD
220	285	41	8.661	11.220	1.614	396	830	75	1 500	2 200	6.45	T2DC 220	2DC
	300	51		11.811	2.008	484	1 000	91.5	1 400	2 000	10	32944	3EC
	340	76		13.386	2.992	897	1 660	150	1 300	1 700	25.5	32044 X	4FD
	400	72		15.748	2.835	990	1 400	129	1 200	1 600	40	30244 J2	–
	400	114		15.748	4.488	1 610	2 700	232	1 100	1 500	60	32244 J2	–

Metric single row taper roller bearings

d 240 - 360 mm

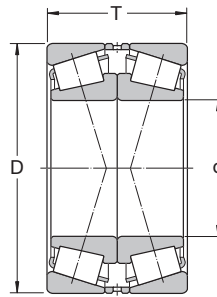
d 9.449 - 14.173 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation	Dimension Series to ISO 355 (ABMA)
d	D	T	d	D	T	dynamic	static		Refer-ence speed	Limiting speed			
mm			in			kN		kN	r/min		kg	–	–
240	320	42	9.449	12.598	1.654	429	815	73.5	1 300	1 900	8.45	T4EB 240/VE174	4EB
	320	51		12.598	2.008	512	1 080	96.5	1 300	1 900	11	32948	4EC
	320	57	12.598	2.244	616	1 320	120	1 300	1 900	12.5	T2EE 240/VB406	2EE	
	360	76	14.173	2.992	935	1 800	160	1 200	1 600	27.5	32048 X	4FD	
	440	127	17.323	5.000	1 790	3 350	275	1 000	1 400	83.5	32248 J3	–	
260	400	87	10.236	15.748	3.425	1 170	2 200	190	1 100	1 400	40	32052 X	4FC
	480	137		18.898	5.394	2 200	3 650	300	900	1 200	105	32252 J2/HA1	–
	540	113		21.260	4.449	2 120	3 050	250	850	1 200	110	30352 J2	–
280	380	63.5	11.024	14.961	2.500	765	1 660	143	1 100	1 600	20	32956/C02	4EC
	420	87		16.535	3.425	1 210	2 360	200	1 000	1 300	40.5	32056 X	4FC
300	420	76	11.811	16.535	2.992	1 050	2 240	190	950	1 400	32	32960	3FD
	460	100		18.110	3.937	1 540	3 000	250	900	1 200	58	32060 X	4GD
	540	149		21.260	5.866	2 750	4 750	365	800	1 100	140	32260 J2/HA1	–
320	440	76	12.598	17.323	2.992	1 080	2 360	196	900	1 300	33.5	32964	3FD
	480	100		18.898	3.937	1 540	3 100	255	850	1 100	64	32064 X	4GD
340	460	76	13.386	18.110	2.992	1 080	2 400	200	850	1 300	35	32968	4FD
360	480	76	14.173	18.898	2.992	1 120	2 550	204	800	1 200	37	32972	4FD

Single row taper roller bearings paired face-to-face

d 25 - 90 mm
d 0.984 - 3.543 in



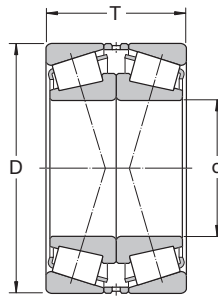
Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass kg	Designation
d	D	T	d	D	T	dynamic C	static C_0		Refer- ence speed	Limiting speed		
mm			in			kN		kN		r/min	-	
25	62	36.5	0.984	2.441	1.437	64.4	80	8.65	6 000	11 000	0.55	31305 J2/QDF
30	72	41.5	1.181	2.835	1.634	93	100	11.4	5 600	9 500	0.85	*31306 J2/QDF
35	80	45.5	1.378	3.150	1.791	120	134	15.6	5 000	8 500	1.1	*31307 J2/QDF
40	90	50.5	1.575	3.543	1.988	146	163	19	4 500	7 500	1.5	*31308 J2/QCL7CDF
45	100	54.5	1.772	3.937	2.146	180	204	24.5	4 000	6 700	2	*31309 J2/QCL7CDF
50	90	43.5	1.969	3.543	1.713	150	183	20.8	4 800	7 500	1.1	*30210 J2/QDF
	110	58.5		4.331	2.303	208	240	28.5	3 600	6 000	2.6	*31310 J2/QCL7CDF
55	90	54	2.165	3.543	2.126	180	270	30.5	4 500	7 000	1.35	*33011/QDF03C170
	120	63		4.724	2.480	240	275	33.5	3 400	5 600	3.3	*31311 J2/QDF
60	95	46	2.362	3.740	1.378	163	245	27	4 300	6 700	1.9	*32012 X/QCL7CDFC250
	110	59.5		4.331	1.890	250	320	37.5	4 000	6 000	2.4	*32212 J2/QDFC290
	130	67		5.118	2.638	285	335	40.5	3 000	5 300	4.1	31312 J2/QDF
65	120	49.5	2.559	4.724	1.949	228	270	32.5	3 600	5 600	1.2	*30213 J2/QDF
	140	72		5.512	2.835	325	380	47.5	2 800	4 800	5.05	*31313 J2/QCL7CDF
70	110	50	2.756	4.331	1.496	200	305	34.5	3 800	5 600	1.8	*32014 X/QDF
	110	62		4.331	2.008	220	400	45.5	3 400	5 600	2.4	33014/DF
	150	76		5.906	2.992	365	440	54	2 600	4 500	6.15	*31314 J2/QCL7CDF
75	115	62	2.953	4.528	2.441	233	455	52	3 200	5 300	2.4	33015/QDF
	125	74		4.921	2.913	303	530	63	3 000	5 000	3.8	33115/QDFC150
	130	54.5		5.118	2.146	238	355	41.5	3 000	5 000	2.85	30215 J2/QDF
	130	66.5		5.118	2.618	275	425	49	3 000	5 000	3.4	32215 J2/QDF
	160	80		6.299	3.150	405	490	58.5	2 400	4 300	7.25	*31315 J2/QCL7CDF
80	125	58	3.150	4.921	2.283	233	430	49	3 000	5 000	2.65	32016 X/QDFC165
	140	70.5		5.512	2.776	319	490	57	2 800	4 500	4.25	32216 J2/QDF
	170	85		6.693	3.346	440	530	64	2 400	4 000	8.75	31316 J1/QCL7CDF
85	130	58	3.346	5.118	2.283	238	450	51	2 800	4 800	2.8	32017 X/QDF
	130	72		5.118	2.835	308	620	69.5	2 800	4 800	3.55	33017/QDFC240
	150	61		5.906	2.402	303	440	51	2 600	4 300	4.3	30217 J2/QDF
	150	77		5.906	3.031	369	570	65.5	2 600	4 300	5.45	32217 J2/QDF
	150	98		5.906	3.858	495	850	96.5	2 400	4 300	7.35	33217/QDF
	180	89		7.087	3.504	413	570	67	2 000	3 800	10	31317 J2/DF
90	140	64	3.543	5.512	2.520	292	540	62	2 600	4 300	3.65	32018 X/QDF
	140	78		5.512	3.071	369	710	78	2 600	4 500	4.5	33018/QDFC150
	160	65		6.299	2.559	336	490	57	2 400	4 000	5.15	30218 J2/DF
	160	85		6.299	3.346	429	680	76.5	2 400	4 000	6.9	32218 J2/QDF
	190	93		7.480	3.661	457	630	73.5	1 900	3 400	11.5	31318 J2/DF

* SKF Explorer bearing

Single row taper roller bearings paired face-to-face

d 95 - 170 mm

d 3.740 - 6.693 in



Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
d	D	T	d	D	T	dynamic	static	load limit	Refer-	Limiting		
mm			in			C	C ₀	P _u	ence	speed	kg	-
						kN		kN	speed			
95	145	78	3.740	5.709	3.071	380	735	81.5	2 600	4 300	5	33019/QDF
	170	91		6.693	3.583	484	780	86.5	2 200	3 800	8.45	32219 J2/DF
	200	99		7.874	3.898	501	710	78	1 800	3 400	13	31319 J2/DF
100	150	64	3.937	5.906	2.520	292	560	62	2 400	4 000	3.95	32020 X/QDF
	180	74		7.087	2.913	418	640	72	2 200	3 600	7.6	30220 J2/DF
	180	98		7.087	3.858	539	880	96.5	2 200	3 600	10	32220 J2/DF
	215	103		8.465	4.055	693	980	106	1 900	3 200	16.5	30320 J2/DFC400
	215	113		8.465	4.449	644	930	102	1 700	3 000	18	31320 XJ2/DF
105	160	70	4.134	6.299	2.756	347	670	73.5	2 200	3 800	5	32021 X/QDF
110	170	76	4.331	6.693	2.992	402	780	85	2 200	3 600	6.3	32022 X/QDF
	180	112		7.087	4.409	627	1 250	134	2 000	3 400	11.5	33122/DF
	200	82		7.874	3.228	523	800	90	2 000	3 200	10.5	30222 J2/DF
	200	112		7.874	4.409	682	1 140	122	1 900	3 200	14.5	32222 J2/DF
	240	126		9.449	4.961	781	1 160	125	1 500	2 800	26	31322 XJ2/DF
120	180	76	4.724	7.087	2.992	418	830	88	2 000	3 400	6.75	32024 X/DF
	180	96		7.087	3.780	495	1 080	112	2 000	3 400	8.65	33024/DFC250
	215	87		8.465	3.425	583	915	98	1 800	3 000	13	30224 J2/DF
	215	123		8.465	4.843	792	1 400	146	1 800	3 000	18.5	32224 J2/DF
	260	119		10.236	4.685	968	1 400	146	1 600	2 600	29.5	30324 J2/DFC600
	260	136		10.236	5.354	935	1 400	146	1 400	2 400	33.5	31324 XJ2/DF
130	180	64	5.118	7.087	2.520	341	735	76.5	2 000	3 600	4.95	32926/DF
	200	90		7.874	3.543	539	1 080	110	1 800	3 000	10	32026 X/DF
	230	87.5		9.055	3.445	627	980	106	1 700	2 800	14.5	30226 J2/DF
	230	135.5		9.055	5.335	952	1 660	170	1 600	2 800	23	32226 J2/DF
	280	144		11.024	5.669	1 050	1 560	163	1 300	2 400	40	31326 XJ2/DF
140	210	90	5.512	8.268	3.543	561	1 160	116	1 700	2 800	11	32028 X/DF
	250	91.5		9.843	3.602	721	1 140	116	1 500	2 600	18	30228 J2/DFC100
	250	143.5		9.843	5.650	1 100	2 000	200	1 500	2 600	29.5	32228 J2/DF
	300	154		11.811	6.063	1 190	1 800	176	1 200	2 200	52.5	31328 XJ2/DF
150	225	96	5.906	8.858	3.780	644	1 320	132	1 600	2 600	13.5	32030 X/DF
	270	98		10.630	3.858	737	1 120	114	1 400	2 400	22.5	30230/DFC350
	270	154		10.630	6.063	1 250	2 280	224	1 400	2 400	37	32230 J2/DF
	320	164		12.598	6.457	1 340	2 040	200	1 100	2 000	58.5	31330 XJ2/DF
160	240	102	6.299	9.449	4.016	737	1 560	156	1 500	2 400	16	32032 X/DF
	290	104		11.417	4.094	913	1 460	143	1 300	2 200	27.5	30232 J2/DF
	290	168		11.417	6.614	1 510	2 800	265	1 300	2 200	48	32232 J2/DF
170	230	76	6.693	9.055	2.992	484	1 160	110	1 500	2 800	9.2	32934/DFC225
	260	114		10.236	4.488	880	1 830	180	1 400	2 200	22	32034 X/DF
	310	182		12.205	7.165	1 720	3 250	300	1 200	2 000	59	32234 J2/DF

Single row taper roller bearings paired face-to-face

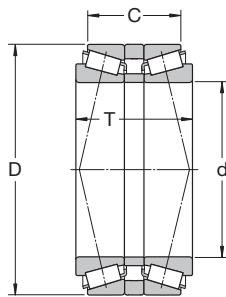
d 180 - 320 mm
d 7.087 - 12.598 in

Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed		
mm			in			kN		kN	r/min	kg	-	
180	250	90	7.087	9.843	3.543	605	1 460	137	1 400	2 600	14	32936/DF
	280	128		11.024	5.039	1 100	2 320	220	1 300	2 000	29.5	32036 X/DF
	320	114		12.598	4.488	1 010	1 630	160	1 200	2 000	42	30236 J2/DFC300
	320	182		12.598	7.165	1 720	3 250	300	1 100	1 900	61	32236 J2/DF
190	260	90	7.480	10.236	3.543	616	1 530	143	1 300	2 400	14.5	32938/DF
	290	128		11.417	5.039	1 120	2 400	224	1 200	2 000	30.5	32038 X/DF
	340	120		13.386	4.724	1 230	2 000	190	1 100	1 800	50	30238 J2/DFC700
200	310	140	7.874	12.205	5.512	1 280	2 750	255	1 100	1 900	39	32040 X/DF
	360	128		14.173	5.039	1 340	2 240	212	1 000	1 700	52	30240 J2/DFC570
	360	208		14.173	8.189	2 090	4 000	360	1 000	1 700	88	32240 J2/DF
220	300	102	8.661	11.811	4.016	842	2 000	183	1 100	2 000	21	32944/DFC300
	340	152		13.386	5.984	1 540	3 350	300	1 000	1 700	51	32044 X/DF
240	360	152	9.449	14.173	5.984	1 570	3 550	315	950	1 600	54.5	32048 X/DF
260	400	174	10.236	15.748	6.850	1 980	4 400	380	850	1 400	79.5	32052 X/DF
280	420	174	11.024	16.535	6.850	2 050	4 750	400	800	1 300	84.5	32056 X/DF
300	420	152	11.811	16.535	5.984	1 790	4 500	375	800	1 400	65.5	32960/DF
320	480	200	12.598	18.898	7.874	2 640	6 200	510	700	1 100	125	32064 X/DF

Single row taper roller bearings paired back-to-back

d 40 - 200 mm

d 1.575 - 7.874 in



Principal dimensions				Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation				
d	D	T	C	dynamic	static		Refer- ence speed	Limiting speed						
mm			in	kN		kN	r/min	kg	–					
40	90	72	61.5	1.575	3.543	2.835	2.421	170	190	21.6	5 300	8 000	1.9	*30308T72 J2/QDBC220
75	130	70	59.5	2.953	5.118	2.756	2.343	238	355	41.5	3 000	5 000	3.25	30215T70 J2/DBC270
	130	80	67.5		5.118	3.150	2.657	275	425	49	3 000	5 000	6.8	32215T80 J2/QDB
80	140	78	63.5	3.150	5.512	3.071	2.500	319	490	57	2 800	4 500	4.45	32216T78 J2/QDBC110
85	130	66	52	3.346	5.118	2.598	2.047	238	450	51	2 800	4 800	2.7	32017T66 X/QDB/C280
	130	70	56		5.118	2.756	2.205	308	620	69.5	2 800	4 800	3.5	33017T70/QDB
	150	71	58.5		5.906	2.795	2.303	303	440	51	2 600	4 300	4.1	30217T71 J2/QDB
90	190	103	70	3.543	7.480	4.055	2.756	457	630	73.5	1 900	3 400	12.5	31318T103 J2/DB31
100	180	108	88	3.937	7.087	4.252	3.465	539	880	96.5	2 200	3 600	10.5	32220T108 J2/DB
	180	140	120		7.087	5.512	4.724	539	880	96.5	2 200	3 600	12.5	32220T140 J2/DB11
110	170	84	66	4.331	6.693	3.307	2.598	402	780	85	2 200	3 600	6.5	32022T84 X/QDBC200
120	180	84	66	4.724	7.087	3.307	2.598	418	830	88	2 000	3 400	7	32024T84 X/QDBC200
	215	146	123		8.465	5.748	4.843	792	1 400	146	1 800	3 000	21	32224T146 J2/DB31C210
	260	146	134		10.236	5.748	5.276	935	1 400	146	1 400	2 400	35	31324T146 XJ2/DB
130	230	97.5	78	5.118	9.055	3.839	3.071	627	980	106	1 700	2 800	15	30226T97.5 J2/DB
	280	142	112.5		11.024	5.591	4.429	1 080	1 600	166	1 400	2 400	36.5	30326T142 J2/DB11C150
140	210	130	108	5.512	8.268	5.118	4.252	561	1 160	116	1 700	2 800	12.7	32028T130 X/QDB
	250	106	86.5		9.843	4.173	3.406	721	1 140	116	1 500	2 600	19.5	30228T106 J2/DB
	250	158	130.5		9.843	6.220	5.138	1 100	2 000	200	1 500	2 600	31	32228T158 J2/DB
150	270	168	134	5.906	10.630	6.614	5.276	1 250	2 280	224	1 400	2 400	38	32230T168 J2/DB
	270	248	214		10.630	9.764	8.425	1 250	2 280	224	1 400	2 400	39.5	32230T248 J2/DB31
	320	179	115		12.598	7.047	4.528	1 340	2 040	200	1 100	2 000	58.5	31330T179 XJ2/DB
160	290	179	145	6.299	11.417	7.047	5.709	1 510	2 800	265	1 300	2 200	52.5	32232T179 J2/DB32C230
170	260	162	134	6.693	10.236	6.378	5.276	880	1 830	180	1 400	2 200	30.5	32034T162 X/DB31
180	250	135	83	7.087	9.843	5.315	3.268	605	1 460	137	1 400	2 600	14.5	32936T135/DBC260
	280	150	118		11.024	5.906	4.646	1 100	2 320	220	1 300	2 200	29.5	32036T150 X/DB
	280	150	118		11.024	5.906	4.646	1 100	2 320	220	1 300	2 200	29.5	32036T150 XDB11C150
	320	196	156		12.598	7.717	6.142	1 720	3 250	300	1 100	1 900	61.5	32236T196 J2/DB32
190	260	102	80	7.480	10.236	4.016	3.150	616	1 530	143	1 300	2 400	15	32938T102/DB31
	260	122	100		10.236	4.803	3.937	616	1 530	143	1 300	2 400	15.5	32938T122/DBC
	290	146	114		11.417	5.748	4.488	1 120	2 400	224	1 200	2 000	31.5	32038T146 X/DB42C220
	290	146	114		11.417	5.748	4.488	1 120	2 400	224	1 200	2 000	31.5	32038T146 X/DBC220
	290	183	151		11.417	7.205	5.945	1 120	2 400	224	1 200	2 000	32.5	32038T183 X/DB31C330
200	310	154.5	120.5	7.874	12.205	6.083	4.744	1280	2750	255	1 100	1 900	39.5	32040T154.5 X/DB11C170

* SKF Explorer bearing

Single row taper roller bearings paired back-to-back

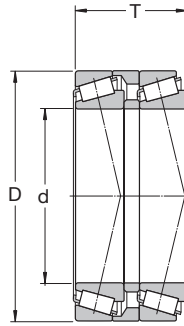
d 220 - 260 mm
d 8.661 - 10.236 in

Principal dimensions				Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation				
d	D	T	C	dynamic	static		Refer- ence speed	Limiting speed						
mm			in	C	C_0	kN		r/min	kg	–				
220	340	165	127	8.661	13.386	6.496	5.000	1 540	3 550	300	1 000	1 700	52	32044T165 X/DB11C170
	340	165	127		13.386	6.496	5.000	1 540	3 550	300	1 000	1 700	52	32044T165 X/DB42C220
	340	165	127		13.386	6.496	5.000	1 540	3 550	300	1 000	1 700	52	32044T165 X/DBC340
	340	168	130		13.386	6.614	5.118	1 540	3 550	300	1 000	1 700	52	32044T168 X/DB
240	360	172	134	9.449	14.173	6.772	5.276	1 570	3 550	315	950	1 600	56	32048T172 X/DB
	440	284	230		17.323	11.181	9.055	3 300	6 550	550	800	1 400	180	32248T284 J3/DB
260	400	189	145	10.236	15.748	7.441	5.709	1 980	4 400	380	850	1 400	80.5	32052T189 X/DBC280
	400	194	150		15.748	7.638	5.906	1 980	4 400	380	850	1 400	80.5	32052T194 X/DB

Single row taper roller bearings paired in tandem

d 55 - 80 mm

d 2.165 - 3.150 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation
d	D	T	d	D	T	dynamic	static		Refer- ence speed	Limiting speed		
mm			in			kN		kN	r/min		kg	—
55	115	73	2.165	4.528	2.874	250	325	39	3 400	5 600	3.5	* T7FC 055T73/QCL7CDTC10
60	125	80	2.362	4.921	3.150	305	405	49	3 000	5 300	4.05	* T7FC 060T80/QCL7CDTC10
70	140	83	2.756	5.512	3.268	355	480	55	2 800	4 500	11	* T7FC 070T83/QCL7CDTC10
80	160	98	3.150	6.299	3.858	450	630	71	2 400	4 000	16.5	* T7FC 080T98/QCL7CDTC20

* SKF Explorer bearing