Taper Roller Bearings

32302 B J2 / Q CL7A

1 2 3 4

1. Contact Angles

B	Steep contact angle
-	Standard contact angle (no symbol)

2. Internal Designs

DB	Duplex (2) bearings in back-to-back arrangement including spacers for both rings
DF	Duplex (2) bearings face-to-face arrangement including 1 outer ring spacer
J2	Internal design changed to pressed steel cage rolling element guided
X	Boundary dimensions according to ISO standards

3. Features

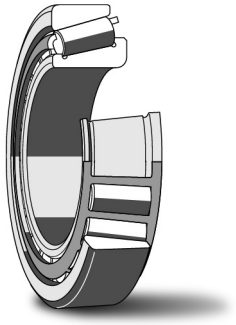
Q	Improved friction torque characteristics and raceway geometry

4. Quality

CL7A	Standard SKF quality for pinion bearings
CL7C	Special SKF quality for pinion bearings
VQ051	Modified internal geometry for increased permissible misalignment
C...	i.e. C220 = axial clearance in paired 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

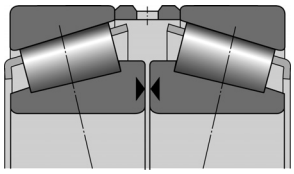


Single Row
Taper Roller Bearing
(data tables on page 146)

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

Bore diameter d				Total width tolerance TsDF Series 320 X				Series 302, 322				313 (X)			
over	incl.			max	min			max	min			max	min		
mm		inches		µm		inches		µm		inches		µm		inches	
-	30		1.1811	+550	+100	0.0217	0.0039	+550	+100	0.0217	0.0039	+500	+50	0.0197	0.0020
30	40	1.1811	1.5748	+550	+100	0.0217	0.0039	+600	+150	0.0236	0.0059	+550	+50	0.0217	0.0020
40	50	1.5748	1.9685	+600	+150	0.0236	0.0059	+600	+200	0.0236	0.0079	+550	+50	0.0217	0.0020
50	65	1.9685	2.5591	+600	+150	0.0236	0.0059	+600	+200	0.0236	0.0079	+550	+100	0.0217	0.0039
65	80	2.5591	3.1496	+600	+200	0.0236	0.0078	+650	+200	0.0256	0.0079	+600	+100	0.0236	0.0039
80	100	3.1496	3.9370	+650	-250	0.0256	-0.0098	+700	-200	0.0276	-0.0079	+600	-300	0.0236	-0.0118
100	120	3.9370	4.7244	+700	-200	0.0276	-0.0079	+700	-200	0.0276	-0.0079	+600	-300	0.0236	-0.0118
120	140	4.7244	5.5118	1000	-300	0.0394	-0.0118	1000	-300	0.0394	-0.0118	+950	-350	0.0374	-0.0138
140	160	5.5118	6.2992	1050	-250	0.0413	-0.0098	1050	-250	0.0413	-0.0098	+950	-350	0.0374	-0.0138
160	180	6.2992	7.0866	1100	-200	0.0433	-0.0079	1100	-200	0.0433	-0.0079	-	-		
180	200	7.0866	7.8740	1100	-200	0.0433	-0.0079	1100	-200	0.0433	-0.0079	-	-		
200	225	7.8740	8.8583	1150	-150	0.0453	-0.0059	1150	-150	0.0453	-0.0059	-	-		
225	250	8.8583	9.8425	1200	-100	0.0472	-0.0039	1200	-100	0.0472	-0.0039	-	-		
250	280	9.8425	11.0236	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

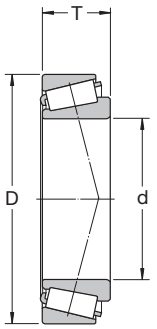


Bore diameter		Axial internal clearance of matched bearings of series 329		320 X		330		331, 302, 322, 332		303, 323		313 (X)	
over	incl.	min	max	min	max	min	max	min	max	min	max	min	max
mm		µm											
–	30	–	–	80	120	–	–	100	140	130	170	60	100
30	40	–	–	100	140	–	–	120	160	140	180	70	110
40	50	–	–	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	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference	Limiting			Series to ISO 355
d	D	T	d	D	T	C	C_0	P_u	speed	speed			(ABMA)
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

SKF®

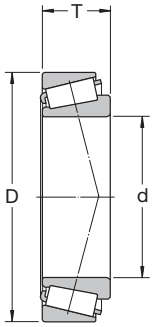
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference speed	Limiting speed			Series to ISO 355 (ABMA)
d	D	T	d	D	T	C	C_0	P_u					
mm			in			kN		kN	r/min		kg	–	–
37	80	32.75	**1.457**	3.150	1.289	93.5	114	13.2	6 300	8 500	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	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference	Limiting			Series to ISO 355
d	D	T	d	D	T	C	C_0	P_u	speed	speed			(ABMA)
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

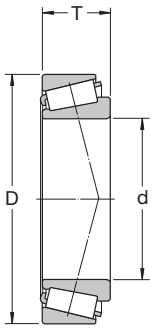
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference speed	Limiting speed			Series to ISO 355 (ABMA)
d	D	T	d	D	T	C	C_0	P_u					
mm			in			kN		kN	r/min		kg	–	–
60	95	23	**2.362**	3.740	0.906	95	122	13.4	5 300	6 700	0.59	***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	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference	Limiting			Series to ISO 355
d	D	T	d	D	T	C	C_0	P_u	speed	speed			(ABMA)
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

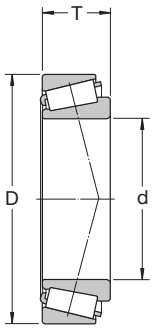
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference speed	Limiting speed			Series to ISO 355 (ABMA)
d	D	T	d	D	T	C	C_0	P_u					
mm			in			kN		kN	r/min		kg	–	–
90	140	32	**3.543**	5.512	1.260	168	270	31	3 200	4 300	1.75	**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	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference	Limiting			Series to ISO 355
d	D	T	d	D	T	C	C_0	P_u	speed	speed			(ABMA)
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**	2CC
	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**	2CC
	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

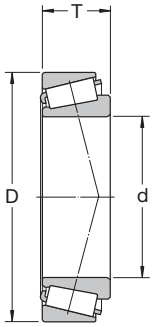
* SKF Explorer bearing

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference speed	Limiting speed			Series to ISO 355 (ABMA)
d	D	T	d	D	T	C	C_0	P_u					
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**	4DB
	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**	4DB
	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**	4DB
	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

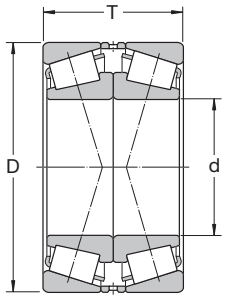


Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation	Dimension
						dynamic	static		Reference	Limiting			Series to ISO 355
d	D	T	d	D	T	C	C_0	P_u	speed	speed			(ABMA)
mm			in			kN		kN	r/min		kg	–	–
240	320	42	**9.449**	12.598	1.654	429	815	73.5	1 300	1 900	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



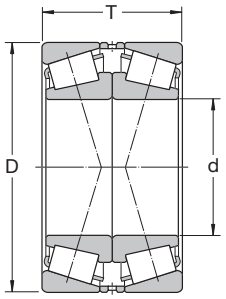
Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation
						dynamic	static		Reference speed	Limiting speed		
d	D	T	d	D	T	C	C_0	P_u				
mm			in			kN		kN	r/min		kg	–
25	62	36.5	**0.984**	2.441	1.437	64.4	80	8.65	6 000	11 000	0.55	**31305 J2/QDF**
30	72	41.5	**1.181**	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

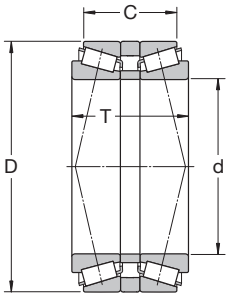


Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation
						dynamic	static		Reference speed	Limiting speed		
d	D	T	d	D	T	C	C_0	P_u				
mm			in			kN		kN	r/min		kg	–
95	145	78	**3.740**	5.709	3.071	380	735	81.5	2 600	4 300	5	**33019/QDF**
	170	91		6.693	3.583	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**

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designation
						dynamic	static		Reference speed	Limiting speed		
d	D	T	d	D	T	C	C_0	P_u				
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 dynamic	static	Fatigue load limit	Speed ratings Reference speed	Limiting speed	Mass	Designation
d	D	T	C	d	D	T	C	C	C_0	P_u				
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/DBCG**
	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**

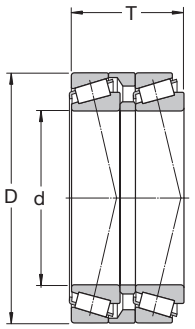
* SKF Explorer bearing

SKF®

Principal dimensions								Basic load ratings dynamic	static	Fatigue load limit	Speed ratings Reference speed	Limiting speed	Mass	Designation
d	D	T	C	d	D	T	C	C	C_0	P_u				
mm				in				kN		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 dynamic	static	Fatigue load limit	Speed ratings Reference speed	Limiting speed	Mass	Designation
d	D	T	d	D	T	C	C_0	P_u				
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