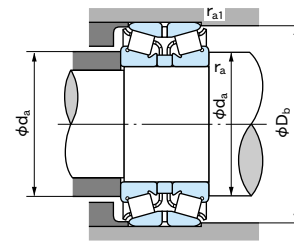
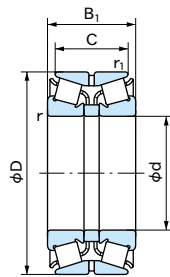


Double-row Tapered Roller Bearings - Outward

Bore Diameter : 25~95mm



- Dynamic equivalent radial load
Pr=XFr+YFa

$\frac{Fa}{Fr} \leq e$		$\frac{Fa}{Fr} > e$	
X	Y	X	Y
1	Y ₁	0.67	Y ₂

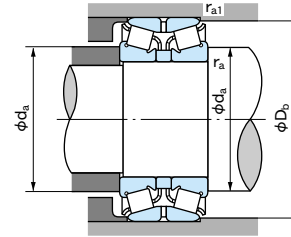
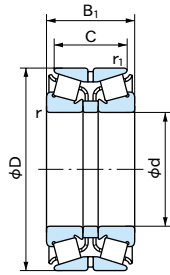
- Static equivalent radial load
Larger value of following to be used:
Por=0.5Fr+YoFa
Por=Fr
- Values e, Y₁, and Y₂ and Yo from table.

1N=0.102kgf

Boundary dimensions (mm)						Bearing No.	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Abutment and fillet dimensions (mm)				Constant e	Axial load factor			Mass (kg)	Bearing No.
d	D	B ₁	C	r (min)	r ₁ (min)				d _a (min)	D _b (min)	r _a (max)	r _{a1} (max)		Y ₁	Y ₂	Y ₀		
25	62	40	29.5	1.5	0.6	25KDE13	71000	90000	32	59	1.5	0.6	0.83	0.82	1.22	0.80	0.505	25KDE13
30	72	45	31.5	1.5	0.6	30KDE13	89000	113000	37	68	1.5	0.6	0.83	0.82	1.22	0.80	0.755	30KDE13
35	80	51	35.5	2	0.6	35KDE13	114000	149000	44	76	2	0.6	0.81	0.83	1.23	0.81	1.04	35KDE13
40	80	45	37.5	1.5	0.6	40KBE02	109000	141000	47	75	1.5	0.6	0.37	1.80	2.68	1.76	0.900	40KBE02
	80	55	43.5	1.5	0.6	40KBE22	134000	183000	47	75	1.5	0.6	0.37	1.80	2.68	1.76	1.12	40KBE22
	90	56	45.5	2	0.6	40KBE03	156000	202000	49	82	2	0.6	0.35	1.96	2.91	1.91	1.52	40KBE03
	90	56	39.5	2	0.6	40KDE13	138000	181000	49	86	2	0.6	0.83	0.82	1.22	0.80	1.43	40KDE13
45	85	47	37.5	1.5	0.6	45KBE02	120000	163000	52	80	1.5	0.6	0.40	1.67	2.48	1.63	1.02	45KBE02
	85	55	43.5	1.5	0.6	45KBE22	143000	205000	52	80	1.5	0.6	0.40	1.67	2.48	1.63	1.21	45KBE22
	100	60	49.5	2	0.6	45KBE03	190000	250000	54	93	2	0.6	0.35	1.96	2.91	1.91	1.99	45KBE03
	100	60	41.5	2	0.6	45KDE13	168000	224000	54	95	2	0.6	0.83	0.82	1.22	0.80	1.88	45KDE13
50	90	49	39.5	1.5	0.6	50KBE02	136000	193000	57	85	1.5	0.6	0.42	1.61	2.39	1.57	1.14	50KBE02
	90	55	43.5	1.5	0.6	50KBE22	152000	223000	57	85	1.5	0.6	0.42	1.61	2.39	1.57	1.31	50KBE22
	110	64	51.5	2.5	0.6	50KBE03	222000	294000	60	102	2	0.6	0.35	1.96	2.91	1.91	2.56	50KBE03
	110	64	43.5	2.5	0.6	50KDE13	194000	259000	60	104	2	0.6	0.83	0.82	1.22	0.80	2.41	50KDE13
55	100	51	41.5	2	0.6	55KBE02	163000	226000	64	94	2	0.6	0.40	1.67	2.48	1.63	1.48	55KBE02
	100	60	48.5	2	0.6	55KBE22	185000	275000	64	94	2	0.6	0.40	1.67	2.48	1.63	1.77	55KBE22
	120	70	57	2.5	0.6	55KBE03	254000	340000	65	111	2	0.6	0.35	1.96	2.91	1.91	3.31	55KBE03
	120	70	49	2.5	0.6	55KDE13	217000	297000	65	113	2	0.6	0.81	0.82	1.22	0.80	3.13	55KDE13
60	110	53	43.5	2	0.6	60KBE02	178000	246000	69	102	2	0.6	0.40	1.67	2.48	1.63	1.88	60KBE02
	110	66	54.5	2	0.6	60KBE22	226000	335000	69	102	2	0.6	0.40	1.67	2.48	1.63	2.38	60KBE22
	130	74	59	3	1	60KBE03	297000	400000	72	120	2.5	1	0.35	1.96	2.91	1.91	4.10	60KBE03
	130	74	51	3	1	60KDE13	259000	350000	72	123	2.5	1	0.81	0.83	1.23	0.81	3.87	60KDE13
65	120	56	46.5	2	0.6	65KBE02	211000	296000	74	113	2	0.6	0.40	1.67	2.48	1.63	2.37	65KBE02
	120	73	61.5	2	0.6	65KBE22	267000	400000	74	112	2	0.6	0.40	1.67	2.48	1.63	3.15	65KBE22
	140	79	63	3	1	65KBE03	340000	465000	77	130	2.5	1	0.35	1.96	2.91	1.91	5.06	65KBE03
	140	79	53	3	1	65KDE13	297000	410000	77	133	2.5	1	0.83	0.82	1.22	0.80	4.77	65KDE13
70	125	59	48.5	2	0.6	70KBE02	229000	330000	79	118	2	0.6	0.42	1.61	2.39	1.57	2.63	70KBE02
	125	74	61.5	2	0.6	70KBE22	270000	410000	79	117	2	0.6	0.42	1.61	2.39	1.57	3.37	70KBE22
	150	83	67	3	1	70KBE03	390000	540000	82	140	2.5	1	0.35	1.96	2.91	1.91	6.08	70KBE03
	150	83	57	3	1	70KDE13	345000	485000	82	142	2.5	1	0.81	0.83	1.23	0.81	5.74	70KDE13
75	130	62	51.5	2	0.6	75KBE02	246000	365000	84	124	2	0.6	0.44	1.55	2.31	1.52	2.90	75KBE02
	130	74	61.5	2	0.6	75KBE22	274000	440000	84	123	2	0.6	0.44	1.55	2.31	1.52	3.54	75KBE22
	160	87	69	3	1	75KBE03	365000	600000	87	149	2.5	1	0.35	1.95	2.90	1.91	7.23	75KBE03
80	140	64	51.5	2.5	0.6	80KBE02	270000	390000	90	132	2	0.6	0.42	1.61	2.39	1.57	3.52	80KBE02
	140	78	63.5	2.5	0.6	80KBE22	310000	505000	90	132	2	0.6	0.42	1.61	2.39	1.57	4.37	80KBE22
	170	92	73	3	1	80KBE03	400000	650000	92	159	2.5	1	0.35	1.95	2.90	1.91	8.62	80KBE03
85	150	70	57	2.5	0.6	85KBE02	300000	465000	95	141	2	0.6	0.42	1.61	2.39	1.57	4.45	85KBE02
	150	86	69	2.5	0.6	85KBE22	365000	560000	95	140	2	0.6	0.42	1.62	2.42	1.59	5.57	85KBE22
	180	98	77	4	1	85KBE03	445000	740000	99	167	3	1	0.35	1.95	2.90	1.91	10.3	85KBE03
90	160	74	61	2.5	0.6	90KBE02	335000	510000	100	150	2	0.6	0.42	1.61	2.39	1.57	5.39	90KBE02
	160	94	77	2.5	0.6	90KBE22	420000	695000	100	150	2	0.6	0.42	1.61	2.39	1.57	6.98	90KBE22
	190	102	81	4	1	90KBE03	450000	815000	104	177	3	1	0.35	1.95	2.90	1.91	11.9	90KBE03
95	170	78	63	3	1	95KBE02	365000	570000	107	159	2.5	1	0.42	1.61	2.39	1.57	6.45	95KBE02
	170	100	83	3	1	95KBE22	485000	780000	107	158	2.5	1	0.42	1.61	2.39	1.57	7.92	95KBE22
	200	108	85	4	1	95KBE03	565000	890000	109	186	3	1	0.35	1.95	2.90	1.91	13.9	95KBE03

Double-row Tapered Roller Bearings - Outward

Bore Diameter : 100~160mm



- Dynamic equivalent radial load
Pr=XFr+YFa

$\frac{Fa}{Fr} \leq e$		$\frac{Fa}{Fr} > e$	
X	Y	X	Y
1	Y ₁	0.67	Y ₂

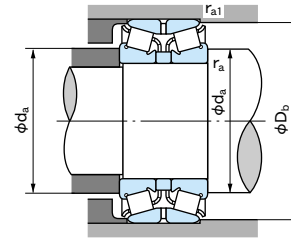
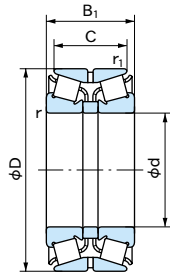
- Static equivalent radial load
Larger value of following to be used:
Por=0.5Fr+YoFa
Por=Fr
- Values e, Y₁, and Y₂ and Yo from table.

1N=0.102kgf

Boundary dimensions (mm)						Bearing No.	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Abutment and fillet dimensions (mm)				Constant e	Axial load factor			Mass (kg)	Bearing No.
d	D	B ₁	C	r (min)	r ₁ (min)				d _a (min)	D _b (min)	r _a (max)	r _{a1} (max)		Y ₁	Y ₂	Y ₀		
100	180	83	67	3	1	100KBE02	410000	660000	112	168	2.5	1	0.42	1.61	2.39	1.57	7.74	100KBE02
	180	107	87	3	1	100KBE22	545000	935000	112	168	2.5	1	0.42	1.62	2.42	1.59	10.2	100KBE22
	215	112	87	87	4	1	100KBE03	625000	990000	114	200	3	1	0.35	1.95	2.90	1.91	16.9
105	190	88	70	3	1	105KBE02	460000	730000	117	178	2.5	1	0.42	1.62	2.42	1.59	9.19	105KBE02
	190	115	95	3	1	105KBE22	605000	1020000	117	178	2.5	1	0.42	1.61	2.39	1.57	12.2	105KBE22
	225	116	91	91	4	1	105KBE03	655000	1070000	119	209	3	1	0.35	1.95	2.90	1.91	19.1
110	180	70	56	2.5	0.6	110KBE031	286000	500000	120	168	2	0.6	0.32	2.12	3.15	2.07	6.47	110KBE031
	180	56	50	2.5	0.6	110KBE131	246000	380000	120	169	2	0.6	0.32	2.14	3.18	2.09	3.36	110KBE131
	200	92	74	3	1	110KBE02	500000	830000	122	188	2.5	1	0.42	1.62	2.42	1.59	10.7	110KBE02
	200	121	101	3	1	110KBE22	595000	940000	122	188	2.5	1	0.42	1.62	2.42	1.59	14.3	110KBE22
	240	118	93	93	4	1	110KBE03	680000	1180000	124	222	3	1	0.35	1.95	2.90	1.91	22.3
120	180	58	46	2.5	0.6	120KBE030	221000	375000	130	170	2	0.6	0.37	1.80	2.69	1.76	4.43	120KBE030
	180	46	41	2.5	0.6	120KBE130	186000	295000	130	171	2	0.6	0.32	2.09	3.11	2.04	3.90	120KBE130
	200	78	62	2.5	0.6	120KBE031	405000	710000	130	186	2	0.6	0.31	2.20	3.27	2.15	9.10	120KBE031
	200	62	55	2.5	0.6	120KBE131	295000	455000	130	185	2	0.6	0.31	2.21	3.29	2.16	7.48	120KBE131
	215	97	78	3	1	120KBE02	515000	880000	132	203	2.5	1	0.43	1.55	2.31	1.52	12.9	120KBE02
	215	132	109	3	1	120KBE22	720000	1270000	132	203	2.5	1	0.43	1.55	2.31	1.52	17.8	120KBE22
	260	128	101	101	4	1	120KBE03	795000	1340000	134	239	3	1	0.35	1.95	2.90	1.91	28.3
130	200	65	52	2.5	0.6	130KBE030	300000	525000	140	189	2	0.6	0.33	2.07	3.09	2.03	6.37	130KBE030
	200	52	46	2.5	0.6	130KBE130	285000	490000	140	187	2	0.6	0.31	2.21	3.29	2.16	5.66	130KBE130
	210	80	64	2.5	0.6	130KBE031	380000	670000	140	195	2	0.6	0.32	2.12	3.15	2.07	9.91	130KBE031
	210	64	57	2.5	0.6	130KBE131	310000	500000	140	196	2	0.6	0.32	2.09	3.11	2.04	8.20	130KBE131
	230	98	78.5	4	1	130KBE02	560000	960000	144	218	3	1	0.43	1.57	2.34	1.53	14.7	130KBE02
	230	145	117.5	4	1	130KBE22	825000	1560000	144	218	3	1	0.43	1.55	2.31	1.52	22.1	130KBE22
	280	137	107.5	107.5	5	1.5	130KBE03	915000	1620000	148	258	4	1.5	0.36	1.87	2.79	1.83	35.1
140	210	66	53	2.5	0.6	140KBE030	310000	560000	150	198	2	0.6	0.28	2.43	3.61	2.37	6.86	140KBE030
	210	53	47	2.5	0.6	140KBE130	252000	425000	150	199	2	0.6	0.37	1.81	2.69	1.77	6.12	140KBE130
	225	84	68	3	1	140KBE031	420000	720000	152	212	2.5	1	0.32	2.12	3.15	2.07	11.09	140KBE031
	225	68	61	3	1	140KBE131	400000	705000	152	212	2.5	1	0.33	2.07	3.08	2.07	9.94	140KBE131
	250	102	82.5	4	1	140KBE02	640000	1070000	154	237	3	1	0.44	1.54	2.29	1.50	18.2	140KBE02
	250	153	125.5	4	1	140KBE22	960000	1820000	154	237	3	1	0.43	1.57	2.34	1.53	27.8	140KBE22
	300	145	115.5	115.5	5	1.5	140KBE03	1020000	1660000	158	277	4	1.5	0.36	1.87	2.79	1.83	42.5
150	225	70	56	3	1	150KBE030	345000	565000	162	213	2.5	1	0.32	2.12	3.15	2.07	8.35	150KBE030
	225	56	50	3	1	150KBE130	262000	430000	162	215	2.5	1	0.32	2.12	3.15	2.07	7.42	150KBE130
	250	100	80	3	1	150KBE031	570000	1050000	162	235	2.5	1	0.37	1.80	2.69	1.76	18.2	150KBE031
	250	80	71	3	1	150KBE131	520000	905000	162	233	2.5	1	0.31	2.21	3.29	2.16	15.1	150KBE131
	270	109	87	4	1	150KBE02	735000	1220000	164	255	3	1	0.43	1.57	2.34	1.53	22.9	150KBE02
	270	164	130	4	1	150KBE22	1050000	1980000	164	255	3	1	0.43	1.55	2.31	1.52	35.1	150KBE22
	320	154	120	120	5	1.5	150KBE03	1170000	1840000	168	295	4	1.5	0.36	1.87	2.79	1.83	51.2
160	240	75	60	3	1	160KBE030	385000	675000	172	227	2.5	1	0.31	2.21	3.29	2.16	10.2	160KBE030
	240	60	53	3	1	160KBE130	315000	495000	172	229	2.5	1	0.31	2.21	3.29	2.16	9.05	160KBE130
	270	108	86	3	1	160KBE031	675000	1160000	172	254	2.5	1	0.30	2.25	3.35	2.20	23.3	160KBE031
	270	86	76	3	1	160KBE131	530000	890000	172	253	2.5	1	0.35	1.95	2.90	1.91	19.2	160KBE131
	290	115	91	4	1	160KBE02	785000	1180000	174	275	3	1	0.43	1.57	2.34	1.53	28.0	160KBE02
	290	178	144	4	1	160KBE22	1220000	2210000	174	275	3	1	0.40	1.68	2.50	1.64	44.2	160KBE22
	340	160	126	126	5	1.5	160KBE03	1350000	2040000	178	311	4	1.5	0.37	1.80	2.69	1.76	59.9

Double-row Tapered Roller Bearings - Outward

Bore Diameter : 170~300mm



• Dynamic equivalent radial load
 $P_r = X F_r + Y F_a$

$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
X	Y	X	Y
1	Y_1	0.67	Y_2

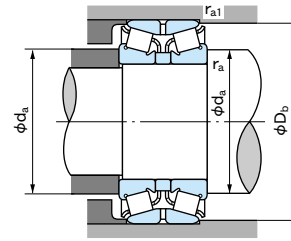
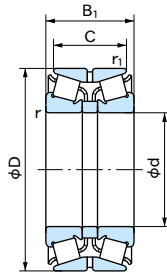
• Static equivalent radial load
 Larger value of following to be used:
 $P_{or} = 0.5 F_r + Y_o F_a$
 $P_{or} = F_r$
 • Values e, Y_1 , and Y_2 and Y_o from table.

1N=0.102kgf

Boundary dimensions (mm)						Bearing No.	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Abutment and fillet dimensions (mm)				Constant e	Axial load factor			Mass (kg)	Bearing No.	
d	D	B ₁	C	r (min)	r ₁ (min)				d _a (min)	D _b (min)	r _a (max)	r _{a1} (max)		Y ₁	Y ₂	Y ₀			
170	260	84	67	3	1	170KBE030	530000	1000000	182	244	2.5	1	0.31	2.17	3.24	2.12	13.8	170KBE030	
	260	67	60	3	1	170KBE130	350000	585000	182	246	2.5	1	0.31	2.21	3.29	2.16	12.2	170KBE130	
	280	110	88	3	1	170KBE031	705000	1240000	182	262	2.5	1	0.31	2.15	3.21	2.11	24.8	170KBE031	
	280	88	78	3	1	170KBE131	545000	935000	182	264	2.5	1	0.35	1.95	2.90	1.91	20.5	170KBE131	
	310	125	97	5	1.5	170KBE02	885000	1430000	188	290	4	1.5	0.46	1.47	2.19	1.44	35.0	170KBE02	
	310	192	152	5	1.5	170KBE22	1420000	2610000	188	295	4	1.5	0.40	1.68	2.50	1.64	54.7	170KBE22	
180	280	93	74	3	1	180KBE030	555000	975000	192	262	2.5	1	0.30	2.25	3.35	2.20	18.1	180KBE030	
	280	74	66	3	1	180KBE130	450000	650000	192	260	2.5	1	0.32	2.12	3.15	2.07	16.0	180KBE130	
	300	120	96	4	1.5	180KBE031	805000	1460000	194	281	3	1.5	0.37	1.80	2.69	1.76	31.5	180KBE031	
	300	96	85	4	1.5	180KBE131	660000	1130000	194	281	3	1.5	0.36	1.87	2.79	1.83	26.1	180KBE131	
	320	127	99	5	1.5	180KBE02	875000	1350000	198	301	4	1.5	0.44	1.52	2.26	1.49	37.0	180KBE02	
	320	192	152	5	1.5	180KBE22	1480000	2720000	198	305	4	1.5	0.40	1.68	2.50	1.64	57.0	180KBE22	
190	290	94	75	3	1	190KBE030	585000	1120000	202	273	2.5	1	0.37	1.82	2.71	1.78	19.1	190KBE030	
	290	75	67	3	1	190KBE130	485000	850000	202	275	2.5	1	0.33	2.03	3.02	1.98	17.0	190KBE130	
	320	130	104	4	1.5	190KBE031	1030000	1960000	204	296	3	1.5	0.30	2.24	3.33	2.19	39.3	190KBE031	
	320	104	92	4	1.5	190KBE131	750000	1280000	204	298	3	1.5	0.32	2.10	3.13	2.06	32.5	190KBE131	
	340	133	105	5	1.5	190KBE02	975000	1600000	208	319	4	1.5	0.40	1.68	2.50	1.64	44.0	190KBE02	
	340	204	160	5	1.5	190KBE22	1580000	2880000	208	330	4	1.5	0.46	1.47	2.19	1.44	68.8	190KBE22	
200	310	103	82	3	1	200KBE030	705000	1270000	212	295	2.5	1	0.33	2.03	3.02	1.98	24.5	200KBE030	
	310	82	73	3	1	200KBE130	530000	800000	212	295	2.5	1	0.36	1.87	2.79	1.83	21.7	200KBE130	
	340	140	112	4	1.5	200KBE031	1030000	1770000	214	318	3	1.5	0.36	1.87	2.79	1.83	48.2	200KBE031	
	340	112	100	4	1.5	200KBE131	1000000	1770000	214	316	3	1.5	0.30	2.28	3.40	2.23	39.9	200KBE131	
	360	142	110	5	1.5	200KBE02	1090000	1760000	218	336	4	1.5	0.40	1.68	2.50	1.64	53.0	200KBE02	
	360	218	174	5	1.5	200KBE22	1830000	3450000	218	340	4	1.5	0.40	1.68	2.50	1.64	82.8	200KBE22	
220	340	113	90	4	1.5	220KBE030	815000	1620000	234	320	3	1.5	0.37	1.80	2.69	1.76	32.2	220KBE030	
	340	90	80	4	1.5	220KBE130	650000	1170000	234	325	3	1.5	0.36	1.87	2.79	1.83	28.5	220KBE130	
	370	150	120	5	1.5	220KBE031	1240000	2400000	238	348	4	1.5	0.36	1.87	2.79	1.83	60.5	220KBE031	
	370	120	107	5	1.5	220KBE131	955000	1640000	238	347	4	1.5	0.36	1.87	2.79	1.83	50.0	220KBE131	
	400	158	122	5	1.5	220KBE02	1410000	2480000	238	374	4	1.5	0.49	1.38	2.06	1.35	73.4	220KBE02	
	240	360	115	92	4	1.5	240KBE030	850000	1780000	254	340	3	1.5	0.37	1.80	2.69	1.76	35.1	240KBE030
360		92	82	4	1.5	240KBE130	690000	1230000	254	345	3	1.5	0.32	2.09	3.11	2.04	31.2	240KBE130	
400		160	128	5	1.5	240KBE031	1480000	2850000	258	372	4	1.5	0.31	2.20	3.27	2.15	74.6	240KBE031	
400		128	114	5	1.5	240KBE131	1160000	2130000	258	377	4	1.5	0.32	2.12	3.15	2.07	61.8	240KBE131	
260		400	130	104	5	1.5	260KBE030	1100000	2160000	278	383	4	1.5	0.36	1.87	2.79	1.83	50.9	260KBE030
		400	104	92	5	1.5	260KBE130	835000	1520000	278	382	4	1.5	0.36	1.87	2.79	1.83	45.3	260KBE130
	440	180	144	5	1.5	260KBE031	1910000	3750000	278	409	4	1.5	0.30	2.26	3.36	2.21	103	260KBE031	
	440	144	128	5	1.5	260KBE131	1350000	2540000	278	415	4	1.5	0.36	1.87	2.79	1.83	85.5	260KBE131	
	280	420	133	106	5	1.5	280KBE030	1240000	2580000	298	396	4	1.5	0.32	2.08	3.09	2.03	55.3	280KBE030
		420	106	94	5	1.5	280KBE130	905000	1670000	298	403	4	1.5	0.36	1.87	2.79	1.83	48.9	280KBE130
460		183	146	6	2	280KBE031	1960000	3950000	302	429	5	2	0.32	2.14	3.19	2.09	111	280KBE031	
460		146	130	6	2	280KBE131	1530000	3000000	302	434	5	2	0.38	1.79	2.67	1.75	91.6	280KBE131	
300		460	148	118	5	1.5	300KBE030	1520000	3150000	318	437	4	1.5	0.37	1.80	2.69	1.76	76.3	300KBE030
		460	118	105	5	1.5	300KBE130	1060000	2030000	318	436	4	1.5	0.37	1.80	2.69	1.76	67.6	300KBE130
	500	200	160	6	2	300KBE031	2100000	4100000	322	474	5	2	0.38	1.80	2.67	1.76	146	300KBE031	
	500	160	142	6	2	300KBE131	1780000	3050000	322	471	5	2	0.37	1.80	2.69	1.76	121	300KBE131	

Double-row Tapered Roller Bearings - Outward

Bore Diameter : 320~500mm



• Dynamic equivalent radial load
Pr=XFr+YFa

$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
X	Y	X	Y
1	Y ₁	0.67	Y ₂

• Static equivalent radial load
Larger value of following to be used:
Por=0.5Fr+YoFa
Por=Fr
• Values e, Y₁, and Y₂ and Yo from table.

1N=0.102kgf

Boundary dimensions (mm)						Bearing No.	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Abutment and fillet dimensions (mm)				Constant e	Axial load factor			Mass (kg)	Bearing No.
d	D	B ₁	C	r (min)	r ₁ (min)				d _a (min)	D _b (min)	r _a (max)	r _{a1} (max)		Y ₁	Y ₂	Y ₀		
320	480	151	121	6	1.5	320KBE030	1560000	3200000	338	455	5	1.5	0.32	2.08	3.09	2.03	81.9	320KBE030
	480	121	108	5	1.5	320KBE130	1330000	2680000	338	453	4	1.5	0.32	2.09	3.11	2.04	73.0	320KBE130
	540	220	176	6	2	320KBE031	2530000	5050000	342	499	5	2	0.29	2.32	3.45	2.26	190	320KBE031
	540	176	157	6	2	320KBE131	2150000	3850000	342	502	5	2	0.29	2.32	3.45	2.26	157	320KBE131
340	520	165	133	6	2	340KBE030	1890000	3950000	362	488	5	2	0.31	2.17	3.24	2.12	108	340KBE030
	520	133	118	6	2	340KBE130	1600000	3150000	362	489	5	2	0.31	2.18	3.24	2.13	97.2	340KBE130
	580	238	190	6	2	340KBE031	3100000	6250000	362	537	5	2	0.30	2.29	3.40	2.24	239	340KBE031
	580	190	169	6	2	340KBE131	2460000	4600000	362	540	5	2	0.29	2.32	3.45	2.26	198	340KBE131
360	540	169	134	6	2	360KBE030	1980000	4400000	382	514	5	2	0.37	1.80	2.69	1.76	116	360KBE030
	540	134	120	6	2	360KBE130	1460000	2800000	382	511	5	2	0.32	2.09	3.11	2.04	102	360KBE130
	600	240	192	6	2	360KBE031	3200000	6650000	382	558	5	2	0.31	2.20	3.27	2.15	252	360KBE031
	600	192	171	6	2	360KBE131	2830000	5600000	382	559	5	2	0.31	2.21	3.28	2.16	208	360KBE131
380	560	171	135	6	2	380KBE030	2000000	4550000	402	532	5	2	0.35	1.92	2.86	1.88	123	380KBE030
	560	135	122	6	2	380KBE130	1700000	3550000	402	531	5	2	0.34	2.00	2.98	1.96	108	380KBE130
	620	243	194	6	2	380KBE031	3350000	7100000	402	578	5	2	0.32	2.12	3.15	2.07	266	380KBE031
	620	194	173	6	2	380KBE131	2900000	5900000	402	579	5	2	0.32	2.12	3.16	2.08	219	380KBE131
400	600	185	148	6	2	400KBE030	2430000	5350000	422	566	5	2	0.32	2.08	3.09	2.03	157	400KBE030
	600	148	132	6	2	400KBE130	2020000	4200000	422	566	5	2	0.32	2.09	3.11	2.04	139	400KBE130
	650	250	200	6	3	400KBE031	3550000	7650000	428	607	5	2.5	0.32	2.10	3.13	2.06	299	400KBE031
	650	200	178	6	3	400KBE131	3100000	6400000	428	608	5	2.5	0.32	2.12	3.15	2.07	247	400KBE131
420	620	188	150	6	2	420KBE030	2400000	5450000	442	585	5	2	0.29	2.32	3.45	2.26	166	420KBE030
	620	150	134	6	2	420KBE130	1870000	3950000	442	582	5	2	0.29	2.32	3.45	2.26	147	420KBE130
	700	280	224	6	3	420KBE031	4350000	9250000	448	652	5	2.5	0.31	2.20	3.27	2.15	400	420KBE031
	700	224	200	6	3	420KBE131	3900000	7950000	448	651	5	2.5	0.31	2.21	3.28	2.16	331	420KBE131
440	650	196	157	6	3	440KBE030	2730000	6150000	468	614	5	2.5	0.31	2.19	3.25	2.14	190	440KBE030
	650	157	140	6	3	440KBE130	2200000	4650000	468	615	5	2.5	0.31	2.19	3.26	2.14	169	440KBE130
	720	283	226	6	3	440KBE031	4450000	9750000	468	672	5	2.5	0.32	2.13	3.17	2.08	419	440KBE031
	720	226	201	6	3	440KBE131	4000000	8350000	468	654	5	2.5	0.31	2.20	3.27	2.15	346	440KBE131
460	680	204	163	6	3	460KBE030	3300000	8150000	488	648	5	2.5	0.39	1.74	2.59	1.70	217	460KBE030
	680	163	145	6	3	460KBE130	2420000	5150000	488	642	5	2.5	0.31	2.20	3.27	2.15	193	460KBE130
	760	300	240	6	4	460KBE031	5050000	11100000	496	707	6	3	0.31	2.16	3.22	2.12	500	460KBE031
	760	240	214	6	4	460KBE131	4550000	9600000	496	709	6	3	0.31	2.17	3.24	2.12	414	460KBE131
480	700	206	165	6	3	480KBE030	3050000	7050000	508	662	5	2.5	0.32	2.12	3.15	2.07	227	480KBE030
	700	165	147	6	3	480KBE130	2200000	4750000	508	665	5	2.5	0.30	2.23	3.32	2.18	202	480KBE130
	790	310	248	6	4	480KBE031	5100000	11000000	516	736	6	3	0.31	2.15	3.20	2.10	556	480KBE031
	790	248	221	6	4	480KBE131	4800000	10100000	516	737	6	3	0.31	2.16	3.21	2.11	460	480KBE131
500	720	209	167	6	3	500KBE030	3150000	7400000	528	683	5	2.5	0.33	2.05	3.05	2.00	238	500KBE030
	720	167	149	6	3	500KBE130	2520000	5550000	528	684	5	2.5	0.33	2.06	3.06	2.01	211	500KBE130
	830	330	264	6	4	500KBE031	5750000	12500000	536	752	6	3	0.31	2.18	3.25	2.13	660	500KBE031
	830	264	235	6	4	500KBE131	5200000	11000000	536	774	6	3	0.31	2.19	3.26	2.14	546	500KBE131