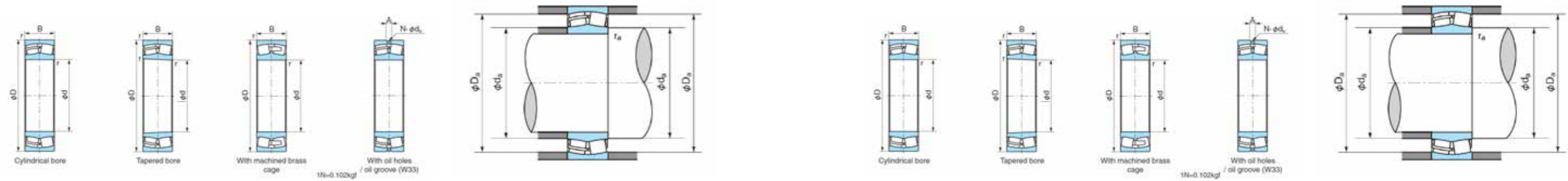




E, EX, EX1 Series										E, EX, EX1 Series													
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.		
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore	
35	80	21	1.5	21307E	21307EK	96000	76000	7,000	8,500		3	5	4	44	71	1.5	0.27	2.49	3.71	2.43	0.57	21307E	21307EK
40	90	23	1.5	21308E	21308EK	119000	95500	6,000	7,500		3	5	4	50	81	1.5	0.26	2.55	3.8	2.5	0.78	21308E	21308EK
45	100	25	1.5	21309E	21309EK	150000	124000	5,000	6,300		3	5	4	55	92	1.5	0.26	2.62	3.9	2.56	1.05	21309E	21309EK
50	110	27	2	21310E	21310EK	178000	151000	4,500	5,600		3	5	4	61	101	2	0.25	2.71	4.04	2.65	1.36	21310E	21310EK

EXQ Series										EXQ Series													
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.		
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore	
55	120	29	2	21311EXQ	21311EXQK	200000	165000	5,000	5,900		3	5	4	65	110	2	0.25	2.71	4.03	2.65	1.7	21311EXQ	21311EXQK
60	130	31	2.1	21312EXQ	21312EXQK	238000	193000	4,200	5,000		3	5	4	72	118	2	0.24	2.78	4.14	2.72	2.1	21312EXQ	21312EXQK
65	140	33	2.1	21313EXQ	21313EXQK	270000	232000	4,000	4,700		3	6	4	77	128	2	0.24	2.83	4.21	2.76	2.6	21313EXQ	21313EXQK
70	150	35	2.1	21314EXQ	21314EXQK	310000	260000	3,500	4,200		3	6	4	82	138	2	0.24	2.84	4.23	2.78	3.1	21314EXQ	21314EXQK
75	160	37	2.1	21315EXQ	21315EXQK	340000	298000	3,500	4,200		3	6	4	87	148	2	0.23	2.87	4.27	2.8	3.8	21315EXQ	21315EXQK
80	170	39	2.1	21316EXQ	21316EXQK	380000	339000	3,300	4,000		4	8	4	92	158	2	0.23	2.88	4.29	2.82	4.5	21316EXQ	21316EXQK
85	180	41	3	21317EXQ	21317EXQK	415000	372000	3,300	4,200		4	8	4	99	166	2.5	0.23	2.89	4.3	2.83	5.3	21317EXQ	21317EXQK
90	190	43	3	21318EXQ	21318EXQK	460000	410000	3,100	3,800		4	8	6	104	176	2.5	0.23	2.91	4.33	2.84	6.1	21318EXQ	21318EXQK
95	200	45	3	21319EXQ	21319EXQK	500000	461000	3,000	3,600		4	8	6	109	186	2.5	0.23	2.92	4.35	2.86	7.1	21319EXQ	21319EXQK
100	215	47	3	21320EXQ	21320EXQK	580000	524000	2,600	3,500		4	8	6	114	201	2.5	0.22	3.02	4.49	2.95	8.7	21320EXQ	21320EXQK



EXQ Series										EXQ Series												
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min-1)		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.	
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical Bore	Tapered bore
25	52	18	1	22205EXQ	22205EXQK	63000	48000	11,600	13,700	3	5	4	30.5	46.5	1	0.35	1.91	2.85	1.87	0.19	22205EXQ	22205EXQK
30	62	20	1	22206EXQ	22206EXQK	84500	65000	9,400	11,600	3	5	4	35.5	56.5	1	0.33	2.04	3.04	2	0.3	22206EXQ	22206EXQK
35	72	23	1.1	22207EXQ	22207EXQK	112000	88500	8,300	10,000	3	6	4	42	65	1	0.32	2.1	3.13	2.06	0.46	22207EXQ	22207EXQK
40	80	23	1.1	22208EXQ	22208EXQK	126000	102000	7,400	8,900	3	6	4	47	73	1	0.28	2.37	3.53	2.32	0.56	22208EXQ	22208EXQK
45	85	23	1.1	22209EXQ	22209EXQK	133000	110000	6,600	7,900	3	6	4	52	78	1	0.26	2.55	3.8	2.5	0.61	22209EXQ	22209EXQK
50	90	23	1.1	22210EXQ	22210EXQK	142000	122000	6,200	7,500	3	6	4	57	83	1	0.24	2.79	4.15	2.73	0.65	22210EXQ	22210EXQK
55	100	25	1.5	22211EXQ	22211EXQK	171000	144000	5,800	7,000	3	6	4	63.5	91.5	1.5	0.24	2.84	4.23	2.78	0.88	22211EXQ	22211EXQK
60	110	28	1.5	22212EXQ	22212EXQK	210000	179000	5,300	6,300	3	6	4	68.5	101.5	1.5	0.25	2.74	4.08	2.68	1.2	22212EXQ	22212EXQK
65	120	31	1.5	22213EXQ	22213EXQK	246000	209000	4,700	5,600	3	6	4	73.5	111.5	1.5	0.25	2.69	4	2.63	1.56	22213EXQ	22213EXQK
70	125	31	1.5	22214EXQ	22214EXQK	257000	220000	4,400	5,600	3	6	4	78.5	116.5	1.5	0.24	2.87	4.27	2.8	1.65	22214EXQ	22214EXQK
75	130	31	1.5	22215EXQ	22215EXQK	265000	234000	4,400	5,300	3	6	4	83.5	121.5	1.5	0.22	3.07	4.58	3.01	1.74	22215EXQ	22215EXQK
80	140	33	2	22216EXQ	22216EXQK	299000	269000	4,000	4,700	3	6	4	90	130	2	0.22	3.07	4.58	3.01	2.19	22216EXQ	22216EXQK
85	150	36	2	22217EXQ	22217EXQK	355000	320000	3,700	4,500	4	7	4	95	140	2	0.22	3.01	4.48	2.94	2.75	22217EXQ	22217EXQK
90	160	40	2	22218EXQ	22218EXQK	410000	375000	3,500	4,200	4	7	4	100	150	2	0.24	2.79	4.15	2.73	3.5	22218EXQ	22218EXQK
95	170	43	2.1	22219EXQ	22219EXQK	465000	420000	3,300	4,000	5	8	4	107	158	2	0.24	2.76	4.11	2.7	4.24	22219EXQ	22219EXQK
100	180	46	2.1	22220EXQ	22220EXQK	520000	480000	3,100	3,800	5	8	4	112	168	2	0.25	2.74	4.08	2.68	5.1	22220EXQ	22220EXQK
110	200	53	2.1	22222EXQ	22222EXQK	680000	640000	2,900	3,400	5	10	6	122	188	2	0.26	2.64	3.93	2.58	7.36	22222EXQ	22222EXQK
120	215	58	2.1	22224EXQ	22224EXQK	785000	765000	2,600	3,200	5	10	6	132	203	2	0.26	2.6	3.87	2.54	9.28	22224EXQ	22224EXQK
130	230	64	3	22226EXQ	22226EXQK	910000	915000	2,400	2,800	5	10	6	144	216	2.5	0.26	2.55	3.8	2.5	11.6	22226EXQ	22226EXQK
140	250	68	3	22228EXQ	22228EXQK	1050000	1030000	2,100	2,600	6	12	6	154	236	2.5	0.26	2.6	3.87	2.54	13.9	22228EXQ	22228EXQK
150	270	73	3	22230EXQ	22230EXQK	1200000	1200000	2,000	2,500	6	14	6	164	256	2.5	0.25	2.69	4	2.63	18.9	22230EXQ	22230EXQK

E, EX, EX1 Series										E, EX, EX1 Series												
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min-1)		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.	
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical Bore	Tapered bore
160	290	80	3	22232E	22232EK	1230000	1330000	1,500	2,100	6	14	6	174	276	2.5	0.26	2.57	3.83	2.52	23.7	22232E	22232EK
170	310	86	4	22234E	22234EK	1390000	1510000	1,400	1,900	8	18	6	188	292	3	0.29	2.33	3.47	2.28	30	22234E	22234EK



EXQ Series										EXQ Series													
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min-1)		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.		
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore	
40	90	33	1.5	22308EXQ	22308EXQK	185000	151000	5,800	7,000		4	7	4	48.5	81.5	1.5	0.37	1.83	2.72	1.79	1.07	22308EXQ	22308EXQK
45	100	36	1.5	22309EXQ	22309EXQK	230000	182000	5,000	5,900		4	8	4	53.5	91.5	1.5	0.37	1.83	2.72	1.79	1.41	22309EXQ	22309EXQK
50	110	40	2	22310EXQ	22310EXQK	280000	235000	4,700	5,600		4	8	4	60	100	2	0.36	1.85	2.75	1.81	1.92	22310EXQ	22310EXQK
55	120	43	2	22311EXQ	22311EXQK	325000	263000	4,200	5,000		4	8	4	65	110	2	0.36	1.85	2.75	1.81	2.4	22311EXQ	22311EXQK
60	130	46	2.1	22312EXQ	22312EXQK	390000	330000	4,000	4,700		4	8	4	72	118	2	0.36	1.86	2.77	1.82	3.05	22312EXQ	22312EXQK
65	140	48	2.1	22313EXQ	22313EXQK	415000	355000	3,500	4,200		4	8	4	77	128	2	0.34	1.98	2.94	1.93	3.67	22313EXQ	22313EXQK
70	150	51	2.1	22314EXQ	22314EXQK	480000	415000	3,300	4,000		5	10	4	82	138	2	0.34	1.98	2.94	1.93	4.45	22314EXQ	22314EXQK
75	160	55	2.1	22315EXQ	22315EXQK	550000	475000	3,100	3,800		5	10	4	87	148	2	0.35	1.95	2.9	1.91	5.44	22315EXQ	22315EXQK
80	170	58	2.1	22316EXQ	22316EXQK	595000	520000	2,900	3,600		5	10	4	92	158	2	0.35	1.95	2.9	1.91	6.42	22316EXQ	22316EXQK
85	180	60	3	22317EXQ	22317EXQK	665000	585000	2,600	3,400		6	11	4	99	166	2.5	0.33	2.02	3	1.97	7.46	22317EXQ	22317EXQK
90	190	64	3	22318EXQ	22318EXQK	745000	660000	2,600	3,200		6	11	6	104	176	2.5	0.34	2	2.98	1.96	8.82	22318EXQ	22318EXQK
95	200	67	3	22319EXQ	22319EXQK	815000	725000	2,400	3,000		6	12	6	109	186	2.5	0.33	2.02	3	1.97	10.2	22319EXQ	22319EXQK
100	215	73	3	22320EXQ	22320EXQK	975000	875000	2,200	2,900		6	12	6	114	201	2.5	0.35	1.95	2.9	1.91	13.1	22320EXQ	22320EXQK
110	240	80	3	22322EXQ	22322EXQK	1150000	1040000	2,100	2,800		6	12	6	124	226	2.5	0.33	2.03	3.02	1.98	18.1	22322EXQ	22322EXQK
130	280	93	4	22326EXQ	22326EXQK	1450000	1340000	1,900	2,600		8	16	6	148	262	3	0.33	2.03	3.02	1.98	28.4	22326EXQ	22326EXQK

E, EX, EX1 Series										E, EX, EX1 Series													
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min-1)		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.		
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore	
140	300	102	4	22328E	22328EK	1540000	1520000	1,600	2,200		10	22	6	158	282	3	0.37	1.82	2.72	1.78	35.9	22328E	22328EK
150	320	108	4	22330E	22330EK	1770000	1740000	1,500	2,100		10	22	6	168	302	3	0.37	1.82	2.72	1.78	43.3	22330E	22330EK
160	340	114	4	22332E	22332EK	1950000	1950000	1,400	1,900		10	22	6	178	322	3	0.36	1.85	2.75	1.81	51.4	22332E	22332EK



EXQ Series										EXQ Series												
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.	
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore
100	150	37	1.5	23020EXQ	23020EXQK	286000	325000	3,000	3,900	4	7	4	117	141	1.5	0.22	3.01	4.48	2.94	2.33	23020EXQ	23020EXQK
110	170	45	2	23022EXQ	23022EXQK	415000	475000	3,000	3,800	5	9	4	120	160	2	0.24	2.84	4.23	2.78	3.84	23022EXQ	23022EXQK
120	180	46	2	23024EXQ	23024EXQK	430000	515000	2,800	3,500	5	9	4	130	170	2	0.23	2.95	4.39	2.89	4.2	23024EXQ	23024EXQK
130	200	52	2	23026EXQ	23026EXQK	555000	660000	2,600	3,200	5	10	6	140	190	2	0.24	2.87	4.27	2.8	6.14	23026EXQ	23026EXQK
140	210	53	2	23028EXQ	23028EXQK	585000	710000	2,600	2,900	5	10	6	150	200	2	0.23	2.98	4.44	2.91	6.61	23028EXQ	23028EXQK
150	225	56	2.1	23030EXQ	23030EXQK	640000	790000	2,100	2,600	5	11	6	162	213	2	0.22	3.04	4.53	2.97	8.01	23030EXQ	23030EXQK
160	240	60	2.1	23032EXQ	23032EXQK	735000	915000	2,000	2,500	5	11	6	172	228	2	0.22	3.01	4.48	2.94	9.74	23032EXQ	23032EXQK
180	280	74	2.1	23036EXQ	23036EXQK	1070000	1330000	1,700	2,300	8	15	6	192	268	2	0.24	2.84	4.23	2.78	17.4	23036EXQ	23036EXQK

E, EX, EX1 Series										E, EX, EX1 Series												
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.	
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore
190	290	75	2.1	23038E	23038EK	1080000	1330000	1,400	1,900	6	14	6	202	278	2	0.25	2.69	4	2.63	18.4	23038E	23038EK
240	360	92	3	23048E	23048EK	1530000	2000000	1,200	1,500	8	18	6	254	346	2.5	0.24	2.76	4.11	2.7	33.5	23048E	23048EK





EXQ Series										EXQ Series													
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min-1)		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.		
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore	
100	165	52	2	23120EXQ	23120EXQK	450000	500000	3,000	3,900		5	9	4	110	155	2	0.29	2.33	3.47	2.28	4.49	23120EXQ	23120EXQK
110	180	56	2	23122EXQ	23122EXQK	540000	610000	3,000	3,800		5	9	4	120	170	2	0.29	2.36	3.51	2.31	5.7	23122EXQ	23122EXQK
130	210	64	2	23126EXQ	23126EXQK	690000	799000	2,400	3,200		5	9	6	140	200	2	0.28	2.42	3.61	2.37	8.6	23126EXQ	23126EXQK
140	225	68	2.1	23128EXQ	23128EXQK	790000	940000	2,300	3,000		6	11	6	152	213	2	0.28	2.45	3.65	2.4	10.5	23128EXQ	23128EXQK
150	250	80	2.1	23130EXQ	23130EXQK	1000000	1230000	2,100	2,600		6	13	6	162	238	2	0.3	2.24	3.34	2.19	16.2	23130EXQ	23130EXQK

E, EX, EX1 Series										E, EX, EX1 Series													
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min-1)		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.		
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore	
100	165	52	2	23120EX1	23120EX1K	450000	500000	2,500	3,300		5	9	4	110	155	2	0.29	2.33	3.47	2.28	4.49	23120EX1	23120EX1K
110	180	56	2	23122EX1	23122EX1K	540000	610000	2,700	3,600		5	9	4	120	170	2	0.29	2.36	3.51	2.31	5.7	23122EX1	23122EX1K
130	210	64	2	23126EX1	23126EX1K	690000	799000	2,200	3,000		5	9	6	140	200	2	0.28	2.42	3.61	2.37	8.6	23126EX1	23126EX1K
140	225	68	2.1	23128EX1	23128EX1K	790000	940000	2,100	2,850		6	11	6	152	213	2	0.28	2.45	3.65	2.4	10.5	23128EX1	23128EX1K
170	280	88	2.1	23134EX1	23134EX1K	1260000	1530000	1,600	2,200		8	16	6	182	268	2	0.29	2.3	3.43	2.25	21.6	23134EX1	23134EX1K
190	320	104	3	23138E	23138EK	1720000	2120000	1,200	1,600		10	22	6	204	306	2.5	0.32	2.09	3.11	2.04	35	23138E	23138EK





EXQ Series										EXQ Series												
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.	
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore
90	160	52.4	2	23218EXQ	23218EXQK	470000	482000	3,400	4,400	5	10	4	100	150	2	0.32	2.14	3.19	2.09	4.57	23218EXQ	23218EXQK
100	180	60.3	2.1	23220EXQ	23220EXQK	595000	629000	3,100	3,900	5	10	4	112	168	2	0.32	2.09	3.11	2.04	6.76	23220EXQ	23220EXQK
110	200	69.8	2.1	23222EXQ	23222EXQK	750000	793000	2,800	3,500	6	11	6	122	188	2	0.34	1.99	2.96	1.94	9.6	23222EXQ	23222EXQK
120	215	76	2.1	23224EXQ	23224EXQK	860000	956000	2,500	3,300	6	13	6	132	203	2	0.34	1.97	2.94	1.93	12	23224EXQ	23224EXQK
130	230	80	3	23226EXQ	23226EXQK	980000	1090000	2,300	2,900	6	13	6	144	216	2.5	0.33	2.05	3.05	2	14.2	23226EXQ	23226EXQK
140	250	88	3	23228EXQ	23228EXQK	1130000	1290000	2,100	2,600	8	15	6	154	236	2.5	0.34	1.99	2.96	1.95	18.8	23228EXQ	23228EXQK
150	270	96	3	23230EXQ	23230EXQK	1340000	1540000	2,000	2,500	8	15	6	164	256	2.5	0.34	1.96	2.93	1.92	24.2	23230EXQ	23230EXQK

E, EX, EX1 Series										E, EX, EX1 Series												
Boundary dimensions (mm)				Bearing No.		Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.	
d	D	B	r (min)	Cylindrical bore	Tapered bore			Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)	ra (max)		Y1	Y2	Y0		Cylindrical bore	Tapered bore
90	160	52.4	2	23218EX1	23218EX1K	470000	482000	3,100	4,200	5	10	4	100	150	2	0.32	2.14	3.19	2.09	4.57	23218EX1	23218EX1K
130	230	80	3	23226EX1	23226EX1K	980000	1090000	2,100	2,800	6	13	6	144	216	2.5	0.33	2.05	3.05	2	14.2	23226EX1	23226EX1K
170	310	110	4	23234E	23234EK	1720000	1970000	1,300	1,800	10	22	6	188	292	3	0.36	1.85	2.75	1.81	37	23234E	23234EK
190	340	120	4	23238E	23238EK	2070000	2450000	1,200	1,500	10	22	6	208	322	3	0.36	1.87	2.79	1.83	48	23238E	23238EK



24000 Series										24000 Series										
Boundary dimensions (mm)				Bearing No.	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.
d	D	B	r (min)				Cylindrical bore	Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)		ra (max)	Y1	Y2		
120	180	60	2	24024EXQ	540000	683000	2,800	3,600	5	9	4	130	170	2	0.3	2.23	3.32	2.18	5.36	24024EXQ
140	210	69	2	24028EXQ	720000	920000	2,400	3,200	6	11	6	150	200	2	0.3	2.28	3.39	2.23	8.40	24028EXQ
160	240	80	2.1	24032EXQ	950000	1280000	2,100	2,600	6	11	6	172	228	2	0.3	2.24	3.34	2.19	12.7	24032EXQ
130	210	80	2	24126EXQ	840000	1030000	2,400	3,200	6	11	6	140	200	2	0.36	1.9	2.83	1.86	10.7	24126EXQ
140	225	85	2.1	24128EXQ	950000	1180000	2,300	2,900	8	14	6	152	213	2	0.36	1.87	2.79	1.83	13	24128EXQ

24100Series										24100Series										
Boundary dimensions (mm)				Bearing No.	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min <sup>-1</sup> )		Dimensions of lubrication holes and grooves			Abutment and fillet dimensions (mm)			Constant e	Axial load factor			Mass (kg) Cylindrical bore	Bearing No.
d	D	B	r (min)				Cylindrical bore	Grease lubrication	Oil lubrication	Hole diameter du	Groove width A	Hole count N	da (min)	Da (max)		ra (max)	Y1	Y2		
160	270	109	2.1	24132EX1	1450000	1810000	1,800	2,400	10	17	6	172	258	2	0.39	1.74	2.59	1.7	25.5	24132EX1