

WNBZ

WNBZ

PRODUCT CATALOG

- ANGULAR CONTACT BALL BEARING

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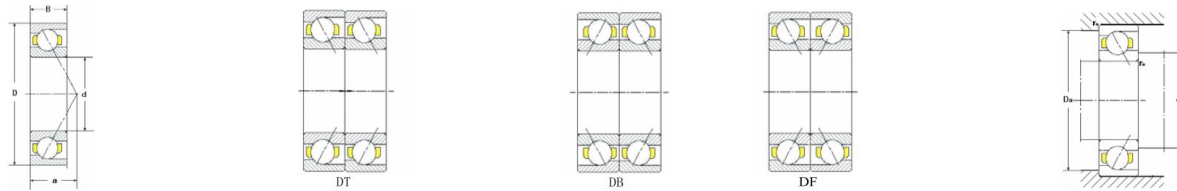
P.C.: 116300

E-mail: wnbzbearing@gmail.com

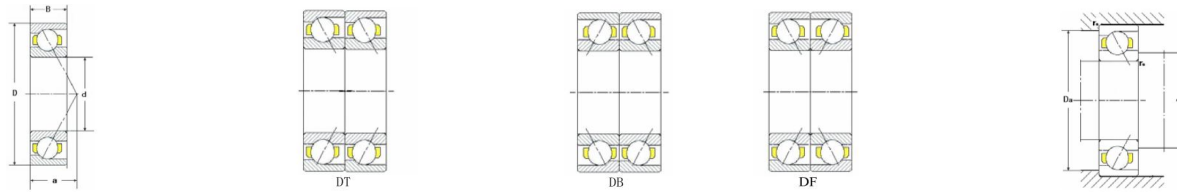


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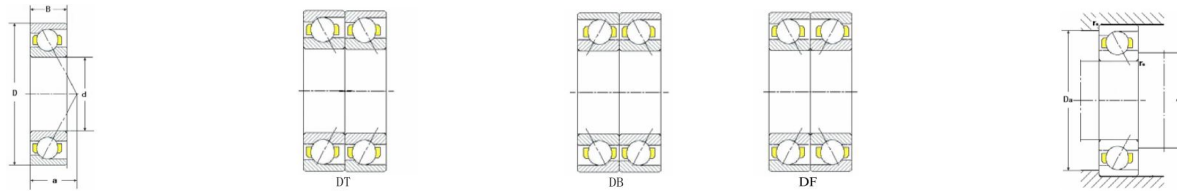
1	<u>Single row angular contact ball bearings and paired double row angular contact ball bearings</u>	P 3
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3	<u>Four-point contact ball bearings</u>	P 11



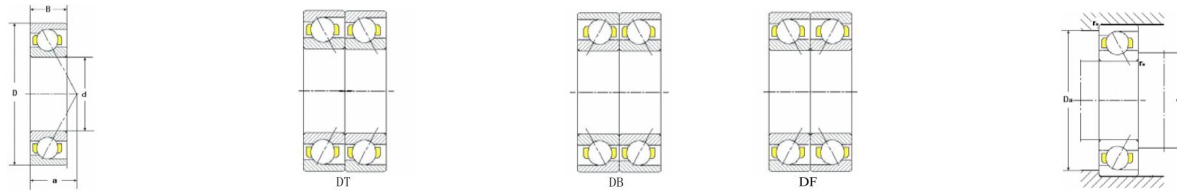
Boundary Dimensions(mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation			Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors				Mass(kg)
d	D	B	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	new	old	duplex	Load Center Spacings	d _{amin}	D _{amax}	r _{amax}	e	x	y	y _o	Refer.
100	180	34	2.1	1.1	120	136	3000	4000	7220CM	36220	DT/DB/DF	35.8	112	168	2	*				3.71
	180	34	2.1	1.1	114	130	3000	4000	7220ACM	46220	DT/DB/DF	49.6	112	168	2	0.68	0.42	0.87	0.38	3.74
	180	34	2.1	1.1	100	114	3000	4000	7220BM	66220	DT/DB/DF	75.7	112	168	2	1.14	0.35	0.57	0.26	4.00
	215	47	3	1.1	164	199	2600	3600	7320ACM	46320	DT/DB/DF	49.6	114	201	2.5	0.68	0.42	0.87	0.38	9.61
	215	47	3	1.1	146	178	2600	3600	7320BM	66320	DT/DB/DF	89.6	114	201	2.5	1.14	0.35	0.57	0.26	8.41
	110	170	28	2	1	100	101	3000	4000	7022ACM	46122	DT/DB/DF	46.7	120	160	2	0.68	0.42	0.87	0.38
200	38	2.1	1.1	142	171	2600	3600	7222CM	36222	DT/DB/DF	39.8	122	188	2	*				5.03	
	200	38	2.1	1.1	135	164	2600	3600	7222ACM	46222	DT/DB/DF	55.1	122	188	2	0.68	0.42	0.87	0.38	4.89
	200	38	2.1	1.1	147	135	2600	3600	7222BM	66222	DT/DB/DF	84.0	122	188	2	1.14	0.35	0.57	0.26	5.18
	240	50	3	1.1	184	231	2200	3200	7322ACM	46322	DT/DB/DF	65.8	124	226	2.5	0.68	0.42	0.87	0.38	9.97
	240	50	3	1.1	164	212	2200	3200	7322BM	66322	DT/DB/DF	98.4	124	226	2.5	1.14	0.35	0.57	0.26	11.5
	120	180	28	2	1	77	107	2600	3600	7024ACM	46124	DT/DB/DF	49.0	130	170	2	0.68	0.42	0.87	0.38
215		40	2.1	1.1	146	184	2200	3200	7224ACM	46224	DT/DB/DF	59.1	132	203	2	0.68	0.42	0.87	0.38	6.04
260		55	3	1.1	193	262	1900	2800	7324BM	66324	DT/DB/DF	107.2	134	246	2.5	1.14	0.35	0.57	0.26	14.6
260		55	3	1.1	204	269	1900	2800	7324ACM	46324	DT/DB/DF	71.8	134	246	2.5	0.68	0.42	0.87	0.38	14.1
130	230	40	3	1.1	165	210	1900	2800	7226CM	36226	DT/DB/DF	44.1	144	216	2.5	*				7.28
	230	40	3	1.1	155	200	1900	2800	7226ACM	46226	DT/DB/DF	62.0	144	216	2.5	0.68	0.42	0.87	0.38	7.26
	230	40	3	1.1	135	175	1900	2800	7226BM	66226	DT/DB/DF	95.5	144	216	2.5	1.14	0.35	0.57	0.26	7.56
	280	58	4	1.5	251	270	1800	2600	7326BM	66326	DT/DB/DF	115.0	148	262	3	1.14	0.35	0.57	0.26	17.5
140	210	33	2	1	98	137	2000	3000	7028ACM	46128	DT/DB/DF	57.3	150	200	2	0.68	0.42	0.87	0.38	4.14



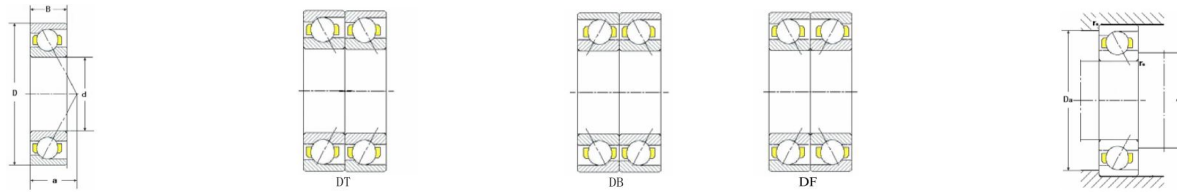
Boundary Dimensions(mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation			Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors				Mass(kg)
d	D	B	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	new	old	duplex	Load Center Spacings	d _{amin}	D _{amax}	r _{amax}	e	x	y	y _o	Refer.
250	42	3	1.1	180	243	1800	2600	7228CM	36228	DT/DB/DF	47.1	154	236	2.5	*					8.83
250	42	3	1.1	170	237	1800	2600	7228ACM	46228	DT/DB/DF	66.5	154	236	2.5	0.68	0.42	0.87	0.38	8.71	
250	42	3	1.1	147	207	1800	2600	7228BM	66228	DT/DB/DF	102.9	154	236	2.5	1.14	0.35	0.57	0.26	8.59	
300	62	4	1.5	212	310	1700	2400	7328BM	66328	DT/DB/DF	123.3	158	282	3	1.14	0.35	0.57	0.26	21.6	
150	225	35	2.1	1.1	137	154	1900	2800	7030ACM	46130	DT/DB/DF	61.2	162	213	2	0.68	0.42	0.87	0.38	4.80
270	45	3	1.1	248	280	1700	2400	7230ACM	46230	DT/DB/DF	71.5	164	256	2.5	0.68	0.42	0.87	0.38	12.6	
270	45	3	1.1	225	254	1700	2400	7230BM	66230	DT/DB/DF	110.6	164	256	2.5	1.14	0.35	0.57	0.26	11.2	
320	65	4	1.5	315	370	1600	2200	7330ACM	46330	DT/DB/DF	87.6	168	302	3	0.68	0.42	0.87	0.38	26.0	
320	65	4	1.5	289	340	1600	2200	7330BM	66330	DT/DB/DF	87.3	168	302	3	1.14	0.35	0.57	0.26	26.7	
160	240	38	2.1	1.1	155	176	1800	2600	7032ACM	46132	DT/DB/DF	65.6	172	228	2	0.68	0.42	0.87	0.38	5.95
290	48	3	1.1	263	305	1600	2200	7232ACM	46232	DT/DB/DF	76.5	174	276	2.5	0.68	0.42	0.87	0.38	14.5	
290	48	3	1.1	279	324	1600	2200	7232CM	36232	DT/DB/DF	54.1	174	276	2.5	*				14.5	
340	68	4	1.5	315	385	1400	2000	7332BM	66332	DT/DB/DF	138.9	178	322	3	1.14	0.35	0.57	0.26	30.8	
170	260	42	2.1	1.1	186	214	1700	2400	7034ACM	46134	DT/DB/DF	71.1	182	248	2	0.68	0.42	0.87	0.38	8.27
310	52	4	1.5	295	360	1600	2200	7234CM	36234	DT/DB/DF	58.2	188	292	3	*				18.3	
310	52	4	1.5	266	325	1600	2200	7234ACM	46234	DT/DB/DF	82.0	188	292	3	0.68	0.42	0.87	0.38	18.3	
180	320	52	4	1.5	244	399	1500	2000	7236ACM	46236	DT/DB/DF	84.3	198	302	3	0.68	0.42	0.87	0.38	18.7
320	52	4	1.5	256	418	1500	2000	7236CM	36236	DT/DB/DF	59.5	198	302	3	*				18.7	



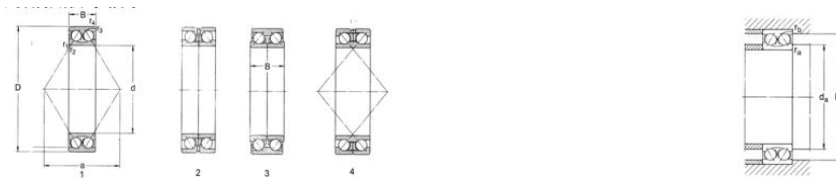
Boundary Dimensions(mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation			Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors				Mass(kg)
d	D	B	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	new	old	duplex	Load Center Spacings	d _{amin}	D _{amax}	r _{amax}	e	x	y	y _o	Refer.
380	75	4	1.5	375	490	1300	1800	7336BM	66336	DT/DB/DF	155.0	206	354	3	1.14	0.35	0.57	0.26	42.6	
190	290	46	2.1	1.1	176	265	1600	2200	7038ACM	46138	DT/DB/DF	79.0	202	278	2	0.68	0.42	0.87	0.38	11.3
	340	55	4	1.5	284	375	1400	1900	7238BM	66238	DT/DB/DF	138.7	217	315	3	1.14	0.35	0.57	0.26	22.5
	400	78	5	2	410	550	1200	1700	7338BM	66338	DT/DB/DF	162.8	221	370	4	1.14	0.35	0.57	0.26	47.2
200	310	51	2.1	1.1	203	330	1500	2000	7040ACM	46140	DT/DB/DF	85.0	212	298	2	0.68	0.42	0.87	0.38	15.7
	360	58	4	1.5	265	462	1300	1800	7240ACM	46240	DT/DB/DF	94.3	218	342	3	0.68	0.42	0.87	0.38	26.5
	360	58	4	1.5	238	417	1300	1800	7240BM	66240	DT/DB/DF	146.5	218	342	3	1.14	0.35	0.57	0.26	26.6
	420	80	5	2	430	600	1100	1600	7340BM	66340	DT/DB/DF	170.1	231	390	4	1.14	0.35	0.57	0.26	55.3
220	400	65	4	1.5	325	605	1100	1600	7244ACM	46244	DT/DB/DF	104.7	238	382	3	0.68	0.42	0.87	0.38	37.5
	400	65	4	1.5	370	530	1100	1600	7244BM	66244	DT/DB/DF	162.6	248	374	3	1.14	0.35	0.57	0.26	37.1
	460	88	5	2	450	665	1000	1500	7344BM	66344	DT/DB/DF	186.6	252	429	4	1.14	0.35	0.57	0.26	72.9
240	440	72	4	1.5	322	626	1000	1500	7248BM	66248	DT/DB/DF	178.6	258	411	3	1.14	0.35	0.57	0.26	52.3
	500	95	5	2	475	670	900	1300	7348BM	66348	DT/DB/DF	203	262	478	5	1.14	0.35	0.57	0.26	88.5
260	360	46	2.1	1.1	200	380	1300	1800	71952ACM		DT/DB/DF	95.3	272	348	2	0.68	0.42	0.87	0.38	14.5
	480	80	5	2	507	780	900	1300	7252BM	66252	DT/DB/DF	195	282	458	4	1.14	0.35	0.57	0.26	66
280	380	46	2.1	1.1	206	405	1100	1600	71956ACM		DT/DB/DF	99.9	292	368	2	0.68	0.42	0.87	0.38	16.7
	500	80	5	2	520	850	850	1200	7256BM	66256	DT/DB/DF	204	302	478	4	1.14	0.35	0.57	0.26	69.5
300	460	74	4	1.5	345	545	950	1400	7060BM	66160	DT/DB/DF	196.4	331	433	3	1.14	0.35	0.57	0.26	44.5
	540	85	5	2.1	553	930	850	1200	7260BM	66260	DT/DB/DF	219	322	518	4	1.14	0.35	0.57	0.26	86.5



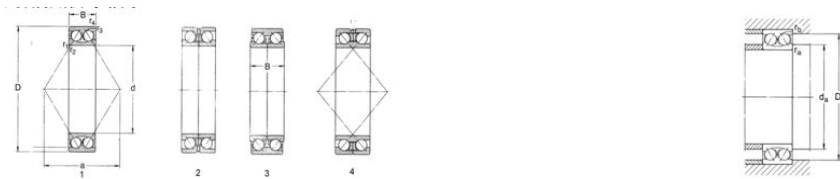
Boundary Dimensions(mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation			Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors				Mass(kg)
d	D	B	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	new	old	duplex	Load Center Spacings	d _{amin}	D _{amax}	r _{amax}	e	x	y	y _o	Refer.
320	480	74	4	1.5	390	670	850	1200	7064BM	66164	DT/DB/DF	205	338	462	3	1.14	0.35	0.57	0.26	44.5
	580	82	5	2	624	1120	750	1000	7264BM	66264	DT/DB/DF	236	342	558	4	1.14	0.35	0.57	0.26	110
340	460	56	3	1.1	296	530	850	1200	71968BM		DT/DB/DF	196	354	446	2.5	1.14	0.35	0.57	0.26	27.0
	520	82	5	2	465	820	800	1100	7068BM	66168	DT/DB/DF	221.4	377	488	4	1.14	0.35	0.57	0.26	61.8
360	480	56	3	1.1	302	550	800	1100	71972BM		DT/DB/DF	204	374	466	2.5	1.14	0.35	0.57	0.26	28.5
	540	82	5	2	409	960	800	1100	7072CM	36172	DT/DB/DF	101.3	382	518	4	*				65.4
	540	82	5	2	462	850	800	1100	7072BM	66172	DT/DB/DF	230	382	518	4	1.14	0.35	0.57	0.26	62.5
	650	95	6	3	650	1250	700	950	7272BF1	66272	DT/DB/DF	261	388	622	5	1.14	0.35	0.57	0.26	145.0
380	520	65	4	1.5	345	650	800	1000	71976BM		DT/DB/DF	221.3	398	502	3	1.14	0.35	0.57	0.26	42.1
	560	82	5	2	468	880	750	1000	7076BM	66176	DT/DB/DF	238	402	538	4	1.14	0.35	0.57	0.26	65.5
400	600	90	5	2	527	1020	700	950	7080BF1	66180	DT/DB/DF	255	422	578	4	1.14	0.35	0.57	0.26	85.0
	720	103	6	3	728	1500	600	800	7280BF1	66280	DT/DB/DF	287	428	692	5	1.14	0.35	0.57	0.26	190
420	560	65	4	1.5	364	670	700	950	71984BM		DT/DB/DF	238	438	542	3	1.14	0.35	0.57	0.26	44.5
	620	90	5	2	550	1070	600	800	7084BF1	66184	DT/DB/DF	263.2	460	586	4	1.14	0.35	0.57	0.26	90.6
	760	109	7.5	4	695	1460	600	800	7284BF1	66284	DT/DB/DF	302	475	709	6	1.14	0.35	0.57	0.26	220
440	650	94	6	3	572	1180	630	850	7088BF1	66188	DT/DB/DF	276	468	622	5	1.14	0.35	0.57	0.26	100
460	620	74	4	2	507	1040	850	1200	71992ACF1		DT/DB/DF	163	478	602	3	0.68	0.42	0.87	0.38	58.0
	680	100	6	3	618	1290	600	800	7092BF1	66192	DT/DB/DF	289	488	652	5	1.14	0.35	0.57	0.26	120
480	700	100	6	3	624	1340	560	750	7096BF1	66196	DT/DB/DF	298	508	672	5	1.14	0.35	0.57	0.26	125



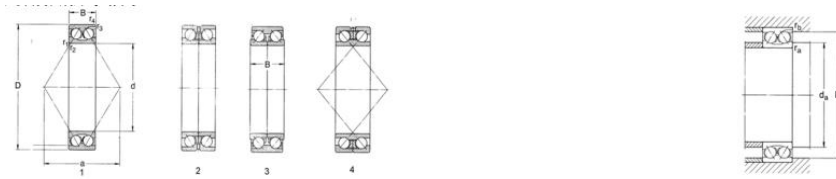
Boundary Dimensions(mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation			Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors				Mass(kg)
d	D	B	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	new	old	duplex	Load Center Spacings	d _{amin}	D _{amax}	r _{amax}	e	x	y	y _o	Refer.
500	720	100	6	3	637	1400	560	750	70/500BF1		DT/DB/DF	306	528	692	5	1.14	0.35	0.57	0.26	130
530	650	56	3	1.5	410	930	1100	1600	718/530AC1		DT/DB/DF	166	544	636	2.5	0.68	0.42	0.87	0.38	39.5
	710	82	5	2	610	1320	1000	1500	719/530ACF1		DT/DB/DF	186	552	682	4	0.68	0.42	0.87	0.38	92.0
	780	112	6	3	741	1700	500	670	70/530BF1		DT/DB/DF	332	558	752	5	1.14	0.35	0.57	0.26	180
600	730	60	3	1.1	468	11600	560	750	718/600ACF1		DT/DB/DF	185	614	716	2.5	0.68	0.42	0.87	0.38	47.0
670	820	69	4	1.5	553	1290	850	1200	718/670ACF1		DT/DB/DF	208	688	802	3	0.68	0.42	0.87	0.38	80.0
710	870	74	4	1.5	600	1600	800	1100	718/710ACF1		DT/DB/DF	221	728	852	3	0.68	0.42	0.87	0.38	93.5
	950	106	6	3	850	2200	800	1100	719/710ACF1		DT/DB/DF	247	738	922	5	0.68	0.42	0.87	0.38	195
750	920	78	5	2	650	1800	400	530	718/750ACF1		DT/DB/DF	234	772	898	4	0.68	0.42	0.87	0.38	100
1180	1420	106	6	6	865	3650	200	300	718/1180ACF1		DT/DB/DF	356	1200	1380	5	0.68	0.42	0.87	0.38	326



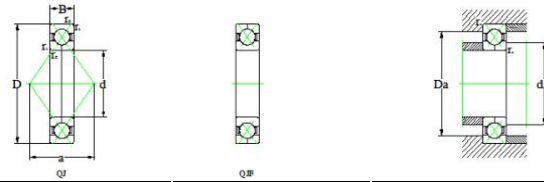
Boundary Dimensions (mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Angle	Designation		Design	Load Center Spacings	Calculation Factors					Mass (kg)	Equivalent to		
d	D	B/C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	angle	New	Old	design		e	x	y ₁	y ₂	y ₀	Refer.	SKF	NSK	FAG
100	170	60.3	2.1	2.1	135	145	2200	3200	40	3220X1	4086920H	2	144	1.14	0.57	0.55	0.93	0.52	5.35	305397 D	100BDZ1701E4	511044A
	180	60.3	2.1	2.1	157	220	2000	3000	32	3220		1	118	0.86	0.62	0.73	1.17	0.63	6.10	3220		
	215	82.6	3	3	255	355	1800	2600	32	3320		1	139	0.86	0.62	0.73	1.17	0.63	13.50	3320		
105	190	65.1	2.1	2.1	168	186	1900	2800	32	3221		1	124	0.86	0.62	0.73	1.17	0.63	7.40	3221		
110	200	69.8	2.1	2.1	190	270	1900	2800	32	3222M		1	132	0.86	0.62	0.73	1.17	0.63	8.80	3222		
	240	92.1	3	3	292	355	1700	2400	32	3322		1	153	0.86	0.62	0.73	1.17	0.63	19.0	3322		
120	180	56	2.1	2.1	148	192	1900	2800	32	4024X2D		2	153.9	0.86	0.62	0.73	1.17	0.63	5.64		120BDZ10E4	541983
	180	60	2.1	2.1	148	192	1900	2800	32	4024DM	4086124H	2	124	0.86	0.62	0.73	1.17	0.63	6.10			
	190	66	2.1	2.1	182	230	1900	2800	32	4024X3DM	4086124KH	2	130	0.86	0.62	0.73	1.17	0.63	6.65	305256 D		517458A
	190	66	2.1	2.1	190	240	1900	2800	32		156724H	4	64	0.86	0.62	0.73	1.17	0.63	6.60	309733		
	260	106	3	3	314	390	1700	2400	45	3324		1	243	1.34	0.54	0.47	0.81	0.44	27.0	3324		
130	200	75	2.1	2.1	121	208	1700	2400	45	4026X2DM	4086726H	2	203	1.34	0.54	0.47	0.81	0.44	8.06			
140	209.5	66	2.1	2.1	174	239	1700	2400	40	4028X3DM	86728H	2	182	1.14	0.57	0.55	0.93	0.52	7.4	309515D		538854
	210	66	2.1	2.1	174	239	1700	2400	40	4028X2DM	156928H	2	179.8	1.14	0.57	0.55	0.93	0.52	8.0		140BDZ10E4	
	210	69	2.1	2.1	174	239	1700	2400	40	4028DM	4086128H	2	182	1.14	0.57	0.55	0.93	0.52	8.0			
150	225	73	2.1	2.1	199	277	1600	2200	40	4030X2DM	86730H	2		1.14	0.57	0.55	0.93	0.52	9.5	305286D	150BDZ2201E4	510776A
	225	75	2.1	2.1	199	277	1600	2200	40	4030DM	4086130H	2		1.14	0.57	0.55	0.93	0.52	9.7			
	230	70	2.1	2.1	221	300	1600	2200	40	4030X3DM	86830H	2	194	1.14	0.57	0.55	0.93	0.52	10.0	305283D	150BDZ2301E4	506963
	240	84	2.1	2.1	258	345	1600	2200	40	305248	156730H	4	122	1.14	0.57	0.55	0.93	0.52	16.0	305248	150BDY2401E	504083
160	215	56/50	1.1	2	128	213	1600	2200	40	305608A	156932H	3	186	1.14	0.57	0.55	0.93	0.52	5.45	305608A	160BDZ2101E4	514478
	239.5	76	2	2	225	320	1600	2200	40		156132KH	2	205.8	1.14	0.57	0.55	0.93	0.52	11.0		160BDZ10XE4	537406
	240	58	2	2	146	255	1600	2200	40	3032X2DM	4086132KH	2	197	1.14	0.57	0.55	0.93	0.52	8.6			
	240	76	2.1	2.1	225	320	1600	2200	40	4032X2DM	156132H	4	130	1.14	0.57	0.55	0.93	0.52	11.0	305183	160BDY10E	507511
	240	80	2.1	2.1	161	289	1600	2200	45	4032DM	4086132H	2	240	1.34	0.54	0.47	0.81	0.44	12.2			
170	259.5	84	2.1	2.1	270	385	1500	2000	40	4934X3DM	40886734H	2	222.4	1.14	0.57	0.55	0.93	0.52	17.0		170BDZ10XE4	538853
	260	84	2.1	2.1	270	385	1400	1900	40	305180	156134H	4	138	1.14	0.57	0.55	0.93	0.52	17.0	305180	170BDY10E	503288



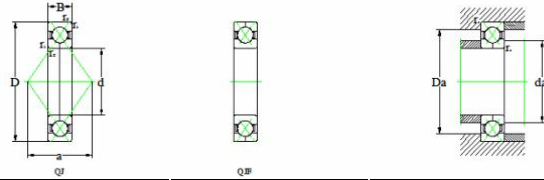
Boundary Dimensions (mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Angle	Designation		Design	Load Center Spacings	Calculation Factors					Mass (kg)	Equivalent to		
d	D	B/C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	angle	New	Old	design		e	x	y ₁	y ₂	y ₀	Refer.	SKF	NSK	FAG
	260	90	2.1	2.1	270	385	1500	2000	40	4034DM	4086134H	2	260	1.14	0.57	0.55	0.93	0.52	17.4			
175	280	92	2.1	2.1	293	435	1300	1800	40	4635DM		4	147	1.14	0.57	0.55	0.93	0.52	21.0	305351	175BDY2801E	506872
	250	66	2.1	2.1	190	300	1500	2000	40	4936X2DM		4	147.4	1.14	0.57	0.55	0.93	0.52	9.83		180BDY09E	528711A
	249.5	70	2.1	2.1	185	285	1500	2000	40	4936DM		2	215	1.14	0.57	0.55	0.93	0.52	10.8			
	249.5	70	2.5	2.5			1400	1900	40		156936KH	3		1.14	0.57	0.55	0.93	0.52				
	250	70	2.1	2.1	190	300	1400	1900	40		156936H	3	145	1.14	0.57	0.55	0.93	0.52	11.0	305455B	180BDY2501E	508893
	259.5	66	2.1	2.1	262	390	1400	1900	40	4936X3DM	86736H	2	170	1.14	0.57	0.55	0.93	0.52	10.8	305262D	180BDZ2501E4	509059A
	280	92	2.1	2.1	300	455	1300	1800	32	4036X2DM		4	147						21.9	305172B	180BDY10E	503739
	280	100	2.1	2.1	300	455	1300	1800	40	4036DM	4086136H	2	243	1.14	0.57	0.55	0.93	0.52	23.4			
190	255	66/58	1.1	1.1	170	280	1300	1800	40	4938X3-1DM		3	220	1.14	0.57	0.55	0.93	0.52	9.0	305609A	190BDZ2501E4	514479
	269.5	66	2.1	2.1	267	405	1300	1800	32	4938X3DM	86738H	2	132	0.86	0.62	0.73	1.17	0.63	11.0	305338D	190BDZ2601E4	508658A
	290	92	2.1	1.1	325	505	1200	1700	32	4038X2DM		4	104	0.86	0.62	0.73	1.17	0.63	21.9		190BDY10E	507510A
	290	100	2.1	1.1	363	516	1200	1700	40	4038DM	4086138H	2	251	1.14	0.57	0.55	0.93	0.52	23.0			
200	279.5	76	2.1	2.1	240	378	1200	1700	40	4940X3DM	86740H	2	240	1.14	0.57	0.55	0.93	0.52	14.3	305428D	200BDZ09XE4	508733A
	280	76	2.1	2.1	226	360	1200	1700	40	4940X2DM		4	163	1.14	0.57	0.55	0.93	0.52	14.4	305237A	200BDY09E	
	280	80	2.1	2.1	240	378	1200	1700	40	156940H		4	161	1.14	0.57	0.55	0.93	0.52	15.2	305393	200BDY2801E	507629
	289.5	76	2.1	2.1	299	465	1200	1700	32	4940X3D-1M	86840H	2	192	0.86	0.62	0.73	1.17	0.63	16.5	305263D	200BDZ2801E4	509590A
	309.5	96	3	3	355	560	1100	1600	40	4040X3DM		4		1.14	0.57	0.55	0.93	0.52	26.5		200BDZ3001E4	
	310	96	3	3	355	560	1100	1600	40	305352	156140H	4	166	1.14	0.57	0.55	0.93	0.52	26.6	305352	200BDY3101E	506871
310	109	3	3	364	592	1100	1600	40	4040DM	4086140H	2	268	1.14	0.57	0.55	0.93	0.52	28.6				
220	300	76/70	1.1	2	231	405	1100	1600	40	4944X2DM		3	256	1.14	0.57	0.55	0.93	0.52	14.5	305610A	220BDZ09E4	514480
	309.5	76	3	3	335	545	1000	1500	32	4944X3D	86744H	2	204	0.86	0.62	0.73	1.17	0.63	18.0	305272D	220BDZ3001E4	511045A
	340	118	3	3	377	599	1000	1500	40	4044DM	4086144H	2	294	1.14	0.57	0.55	0.93	0.52	26.0			
230	329.5	80	3	3	360	615	950	1400	32	4946X1DM	86746H	2	214	0.86	0.62	0.73	1.17	0.63	21.0	305264D	230BDZ3201E4	508732A
240	359.5	118	3	3	361	651	900	1300	40	4048X1DM	4086148KH	2		1.14	0.57	0.55	0.93	0.52	44.9			
	360	118	3	3	361	651	900	1300	40	4048DM	4086148H	2	311	1.14	0.57	0.55	0.93	0.52	44.9			



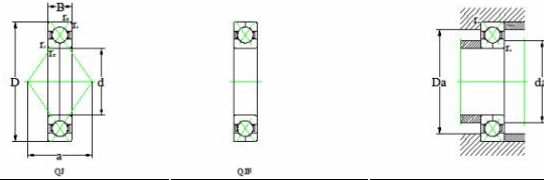
Boundary Dimensions (mm)					Basic Load Ratings (kN)		Speed Ratings (rpm)		Angle	Designation		Design	Load Center Spacings	Calculation Factors					Mass (kg)	Equivalent to		
d	D	B/C	r _{1.2min}	r _{3.4min}	Cr	Cor	Grease	oil	angle	New	Old	design		e	x	y ₁	y ₂	y ₀	Refer.	SKF	NSK	FAG
370	112	3	3	3	389	650	900	1300	40	4048X3DM	86748KH	2	312	1.14	0.57	0.55	0.93	0.52	45.0			
440	144	3	3	3	421	1008	850	1200	40	3248X2DM	86748H	2	357	1.14	0.57	0.55	0.93	0.52	65.4			
250	340	76/70	2.1	2.1	274	515	950	1400	40	305611A	86750H	3	286	1.14	0.57	0.55	0.93	0.52	19.0	305611A	250BDZ3401E4	514481
260	369.5	92	4	4	375	670	850	1200	32	4952X3DM	86752H	2	246	0.86	0.62	0.73	1.17	0.63	34.1	305270D	260BDZ3601E4	508731
	400	130	4	4	505	945	850	1200	40	305174B	156152H	4	212	1.14	0.57	0.55	0.93	0.52	56.0	305174B	260BDY10E	505057
	400	140	4	4	455	835	850	1200	40	4052DM	4086152H	2	347	1.14	0.57	0.55	0.93	0.52	61.5			
280	389.5	92	4	4	380	740	850	1200	32	4956X3D-1M	86756KH	2		0.86	0.62	0.73	1.17	0.63	32.0	305269D	280BDZ3801E4	508730
	390	92	4	4	380	740	850	1200	40	4956X3DM	86756H	2	258	1.14	0.57	0.55	0.93	0.52	32.0			
	420	140	4	4	426	867	800	1100	40	4056DM	4086156H	2	364	1.14	0.57	0.55	0.93	0.52	58.9			
300	419.5	112	4	4	409	800	800	1100	40		86760H	2	358	1.14	0.57	0.55	0.93	0.52	52.3			
	460	160	4	4	485	860	800	1100	40	4060DM	4086160H	2	399	1.14	0.57	0.55	0.93	0.52	92.4			
320	459.5	140	4	4	400	530	700	1000	40	4064X3DM	86764H	2	397	1.14	0.57	0.55	0.93	0.52	80.8			
	480	160	4	4	510	910	700	1000	40	4064DM	4086164H	2	416	1.14	0.57	0.55	0.93	0.52	94			
340	520	180	5	5	610	1040	600	900	40	4068DM	4086168H	2	451	1.14	0.57	0.55	0.93	0.52	126			
360	540	164	5	5	625	1180	500	800	40	4072X2DM	4086172K	2	460	1.14	0.57	0.55	0.93	0.52	131			
650	780	84	5	5	598	1530	360	480	30	309984		2	455	0.8	0.63	0.78	1.24	0.66	81.0	BA2B 309984		
900	1030	135	5	4	650	2400	220	320	30	311631		2	629	0.8	0.63	0.78	1.24	0.66	150	BA2B 311631		
1000	1170	140	5	2.5	820	3100	190	280	30	311495		2	698	0.8	0.63	0.78	1.24	0.66	255	BA2B 311495		



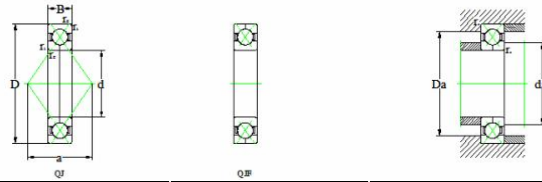
Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
100	150	24	1.5	106	134	3200	4300	QJ1020MA	176120	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.60
	149.5	24	1.5	106	134	3200	4300	QJF1020MB	116120	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.63
	149.5	24	1.5	106	134	3200	4300	QJ1020X1MA	176720	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.60
	149.5	24	1.5	106	134	3200	4300	QJF1020X1MB	116720	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.60
	180	34	2.1	225	240	2800	3800	QJ220N2MA	176220K	98	112	168	2	0.95	0.6	0.66	1.07	0.58	4.05
	180	34	2.1	225	240	2800	3800	QJF220MB	116220	98	112	168	2	0.95	0.6	0.66	1.07	0.58	4.06
215	47	3.0	307	340	2400	3400	QJ320N2MA	176320K	110	114	201	2.5	0.95	0.6	0.66	1.07	0.58	9.30	
	215	47	3.0	307	340	2400	3400	QJF320MB	116320	110	114	201	2.5	0.95	0.6	0.66	1.07	0.58	9.31
105	160	26	2.0	124	156	3000	4000	QJ1021N2MA	176121K	93	115	150	2	0.95	0.6	0.66	1.07	0.58	2.0
	160	26	2.0	124	156	3000	4000	QJF1021MB	116121	93	115	150	2	0.95	0.6	0.66	1.07	0.58	2.1
	190	36	2.1	242	270	2600	3600	QJ221N2MA	176221K	103	117	178	2	0.95	0.6	0.66	1.07	0.58	4.8
	190	36	2.1	242	270	2600	3600	QJF221MB	116221	103	117	178	2	0.95	0.6	0.66	1.07	0.58	4.9
110	170	28	2.0	146	186	2800	3800	QJ1022N2MA	176122K	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.50
	170	28	2.0	146	186	2800	3800	QJ1022MA	176122	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.68
	170	28	2.0	146	186	2800	3800	QJF1022MB	116122	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.70
	169.5	28	2.0	146	186	2800	3800	QJ1022X1MA	176722	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.65
	169.5	28	2.0	146	186	2800	3800	QJF1022X1MB	116722	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.65
	200	38	2.1	265	305	2400	3400	QJ222N2MA	176222K	109	122	188	2	0.95	0.6	0.66	1.07	0.58	5.6
	200	38	2.1	265	305	2400	3400	QJ222MA	176222	109	122	188	2	0.95	0.6	0.66	1.07	0.58	5.71
	200	38	2.1	265	305	2400	3400	QJF222MB	116222	109	122	188	2	0.95	0.6	0.66	1.07	0.58	5.73
	240	50	3.0	364	430	2000	3000	QJ322N2MA	176322K	123	124	226	2.5	0.95	0.6	0.66	1.07	0.58	12.0
	240	50	3.0	364	430	2000	3000	QJ322MA	176322	123	124	226	2.5	0.95	0.6	0.66	1.07	0.58	12.5
120	240	50	3.0	364	430	2000	3000	QJF322MB	116322	123	124	226	2.5	0.95	0.6	0.66	1.07	0.58	12.5
	180	28	2.0	148	196	2600	3600	QJ1024N2MA	176124K	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.65
	180	28	2.0	148	196	2600	3600	QJF1024MB	116124	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.65



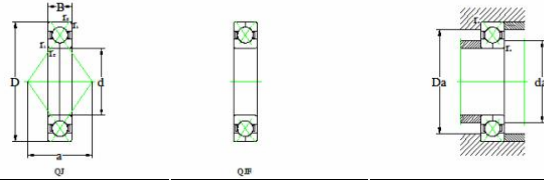
Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
	179.5	28	2.0	148	196	2600	3600	QJ1024X1MA	176724	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.62
	179.5	28	2.0	148	196	2600	3600	QJF1024X1MB	116724	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.62
	215	40	2.1	286	340	2200	3200	QJ224N2MA	176224K	117	132	203	2	0.95	0.6	0.66	1.07	0.58	6.95
	215	40	2.1	286	340	2200	3200	QJF224MB	116224	117	132	203	2	0.95	0.6	0.66	1.07	0.58	6.95
	260	55	3.0	390	490	1900	2800	QJ324N2MA	176324K	133	134	246	2.5	0.95	0.6	0.66	1.07	0.58	15.3
	260	55	3.0	390	490	1900	2800	QJ324MA	176324	133	134	246	2.5	0.95	0.6	0.66	1.07	0.58	16.0
	260	55	3.0	390	490	1900	2800	QJF324MB	116324	133	134	246	2.5	0.95	0.6	0.66	1.07	0.58	16.0
130	200	33	2.0	182	240	2200	3200	QJ1026N2MA	176126K	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.05
	200	33	2.0	182	240	2200	3200	QJF1026MB	116126	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.05
	199.5	33	2.0	182	240	2200	3200	QJ1026X1MA	176726	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.02
	199.5	33	2.0	182	240	2200	3200	QJF1026MB	116726	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.02
	230	40	3.0	296	365	1900	2800	QJ226N2MA	176226K	126	144	216	2.5	0.95	0.6	0.66	1.07	0.58	7.75
	230	40	3.0	296	365	1900	2800	QJF226MB	116226	126	144	216	2.5	0.95	0.6	0.66	1.07	0.58	7.75
	280	58	4.0	423	560	1800	2600	QJ326N2MA	176326K	144	148	262	3	0.95	0.6	0.66	1.07	0.58	19.5
	280	58	4.0	423	560	1800	2600	QJF326MB	116326	144	148	262	3	0.95	0.6	0.66	1.07	0.58	20.7
140	210	33	2.0	190	265	2000	3000	QJ1028N2MA	176128K	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.3
	210	33	2.0	190	265	2000	3000	QJF1028MB	116128	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.2
	209.5	33	2.0	190	265	2000	3000	QJ1028X1MA	176728	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.1
	209.5	33	2.0	190	265	2000	3000	QJF1028MB	176728	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.1
	250	42	3.0	325	440	1800	2600	QJ228N2MA	176228K	137	154	236	2.5	0.95	0.6	0.66	1.07	0.58	9.85
	250	42	3.0	325	440	1800	2600	QJ228MA	176228	137	154	236	2.5	0.95	0.6	0.66	1.07	0.58	9.85
	250	42	3.0	325	440	1800	2600	QJF228MB	116228	137	154	236	2.5	0.95	0.6	0.66	1.07	0.58	10.4
	300	62	4.0	468	640	1700	2400	QJ328N2MA	176328K	154	158	282	3	0.95	0.6	0.66	1.07	0.58	23.0
	300	62	4.0	468	640	1700	2400	QJ328MA	176328	154	158	282	3	0.95	0.6	0.66	1.07	0.58	23.3
	300	62	4.0	468	640	1700	2400	QJF328MB	116328	154	158	282	3	0.95	0.6	0.66	1.07	0.58	23.3



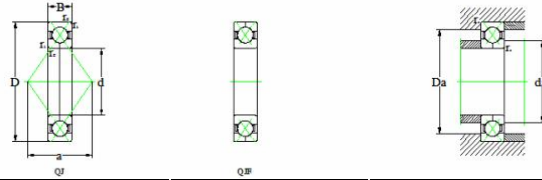
Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
150	225	35	2.1	216	305	1900	2800	QJ1030N2MA	176130K	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.25
	225	35	2.1	216	305	1900	2800	QJ1030MA	176130	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.29
	224.5	35	2.1	220	300	1900	2800	QJ1030X1MA	176730	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.27
	225	35	2.1	220	300	1900	2800	QJF1030	116130	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.29
	224.5	35	2.1	220	300	1900	2800	QJF1030X1MB	116730	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.27
	270	45	3.0	338	465	1700	2400	QJ230N2MA	176230K	147	164	256	2.5	0.95	0.6	0.66	1.07	0.58	12.5
	270	45	3.0	338	465	1700	2400	QJF230MB	116230	147	164	256	2.5	0.95	0.6	0.66	1.07	0.58	12.5
	320	65	4.0	494	710	1600	2200	QJ330N2MA	176330K	165	168	302	3	0.95	0.6	0.66	1.07	0.58	29.0
320	65	4.0	494	710	1600	2200	QJF330MB	116330	165	168	302	3	0.95	0.6	0.66	1.07	0.58	29.4	
160	240	38	2.1	247	355	1800	2600	QJ1032N2MA	176132K	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.45
	240	38	2.1	250	355	1800	2600	QJF1032MB	116132	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.54
	239.5	38	2.1	250	355	1800	2600	QJF1032X1MB	116732	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.50
	239.5	38	2.1	250	355	1800	2600	QJ1032X1MA	176732	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.50
	290	48	3.0	390	570	1600	2200	QJ232N2MA	176232K	158	174	276	2.5	0.95	0.6	0.66	1.07	0.58	15.2
	290	48	3.0	390	570	1600	2200	QJ232MA	176232	158	174	276	2.5	0.95	0.6	0.66	1.07	0.58	15.5
	290	48	3.0	390	570	1600	2200	QJF232MB	116232	158	174	276	2.5	0.95	0.6	0.66	1.07	0.58	15.5
	340	68	4.0	540	815	1500	2000	QJ332N2MA	176332K	175	178	322	3	0.95	0.6	0.66	1.07	0.58	34.5
340	68	4.0	540	815	1500	2000	QJF332MB	116332	175	178	322	3	0.95	0.6	0.66	1.07	0.58	34.5	
170	260	42	2.1	286	405	1700	2400	QJ1034N2MA	176134K	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.23
	260	42	2.1	292	410	1700	2400	QJ1034MA	176134	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.23
	260	42	2.1	290	410	1700	2400	QJF1034MB	116134	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.82
	259.5	42	2.1	290	410	1700	2400	QJ1034X1MA	176734	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.80
	259.5	42	2.1	290	410	1700	2400	QJF1034X1MB	116734	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.80
	310	52	4.0	397	600	1600	2200	QJ234N2MA	176234K	168	188	292	3	0.95	0.6	0.66	1.07	0.58	19.5
	310	52	4.0	397	600	1600	2200	QJ234MA	176234	168	188	292	3	0.95	0.6	0.66	1.07	0.58	19.5
	310	52	4.0	397	600	1600	2200	QJF234MB	116234	168	188	292	3	0.95	0.6	0.66	1.07	0.58	19.5



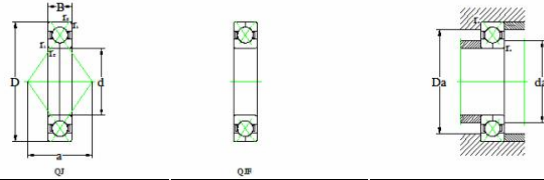
Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
	360	72	4.0	618	965	1400	1900	QJ334N2MA	176334K	186	188	342	3	0.95	0.6	0.66	1.07	0.58	41.5
	360	72	4.0	618	965	1400	1900	QJF334MB	116334	186	188	342	3	0.95	0.6	0.66	1.07	0.58	41.5
180	280	46	2.1	338	510	1600	2200	QJ1036N2MA	176136K	161	192	268	2	0.95	0.6	0.66	1.07	0.58	11.0
	280	46	2.1	338	510	1600	2200	QJ1036MA	176136	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.7
	280	46	2.1	340	510	1600	2200	QJF1036MB	116136	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.9
	279.5	46	2.1	340	510	1600	2200	QJ1036X1MA	176737	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.7
	279.5	46	2.1	340	510	1600	2200	QJF1036X1MB	116736	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.7
		320	52	4.0	436	680	1500	2000	QJ236N2MA	176236K	175	198	302	3	0.95	0.6	0.66	1.07	0.58
	320	52	4.0	460	710	1500	2000	QJ236MA	176236	175	198	302	3	0.95	0.6	0.66	1.07	0.58	17.7
	320	52	4.0	460	710	1500	2000	QJF236MB	116236	175	198	302	3	0.95	0.6	0.66	1.07	0.58	18.0
	380	75	4.0	637	1020	1300	1800	QJ336N2MA	176336K	196	198	362	3	0.95	0.6	0.66	1.07	0.58	47.5
	380	75	4.0	637	1020	1300	1800	QJ336MA	176336	196	198	362	3	0.95	0.6	0.66	1.07	0.58	47.5
	380	75	4.0	637	1020	1300	1800	QJF336MB	116336	196	198	362	3	0.95	0.6	0.66	1.07	0.58	47.5
190	290	46	2.1	338	510	1600	2200	QJ1038N2MA	176138K	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.5
	290	46	2.1	340	510	1600	2200	QJF1038MB	116138	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.4
	289.5	46	2.1	340	510	1600	2200	QJ1038X1MA	176738	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.4
	289.5	46	2.1	340	510	1600	2200	QJF1038X1MB	116738	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.4
	340	55	4.0	488	780	1400	1900	QJ238N2MA	176238K	186	208	322	3	0.95	0.6	0.66	1.07	0.58	24.5
	340	55	4.0	488	780	1400	1900	QJF238MB	116238	186	208	322	3	0.95	0.6	0.66	1.07	0.58	24.5
	400	78	5.0	735	1250	1200	1600	QJ338N2MA	176338K	207	210	380	4	0.95	0.6	0.66	1.07	0.58	52.1
	400	78	5.0	735	1250	1200	1600	QJF338MB	116338	207	210	380	4	0.95	0.6	0.66	1.07	0.58	52.1
200	310	51	2.1	390	620	1500	2000	QJ1040N2MA	176140K	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	310	51	2.1	390	620	1500	2000	QJ1040MA	176140	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	310	51	2.1	390	620	1500	2000	QJF1040MB	116140	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	309.5	51	2.1	390	620	1500	2000	QJ1040X1MA	176740	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	309.5	51	2.1	390	620	1500	2000	QJF1040X1MB	116740	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7



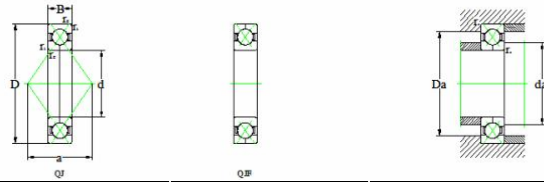
Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
	360	58	4.0	507	850	1300	1800	QJ240N2MA	176240K	196	218	342	3	0.95	0.6	0.66	1.07	0.58	28.5
	360	58	4.0	507	850	1300	1800	QJF240MB	116240	196	218	342	3	0.95	0.6	0.66	1.07	0.58	28.5
	420	80	5.0	570	1270	1200	1600	QJ340N2MA	176340K	217.1	222	398	4	0.95	0.6	0.66	1.07	0.58	55.3
	420	80	5.0	570	1270	1200	1600	QJF340MB	116340	217.1	222	398	4	0.95	0.6	0.66	1.07	0.58	55.3
220	309.5	60	3.0	442	750	1400	1900	QJ1944X1MA	176944		212	298	2	0.95	0.6	0.66	1.07	0.58	13.6
	309.5	60	3.0	442	750	1400	1900	QJF1944X1MB	116944		212	298	2	0.95	0.6	0.66	1.07	0.58	13.6
	340	56	3.0	442	750	1300	1800	QJ1044N2MA	176144K	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	340	56	3.0	442	750	1300	1800	QJ1044MA	176144	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	339.5	56	3.0	442	750	1300	1800	QJ1044X1MA	176744	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	339.5	56	3.0	442	750	1300	1800	QJF1044X1MA	116744	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	400	65	4.0	553	980	1100	1600	QJ244N2MA	176244K	217	238	382	3	0.95	0.6	0.66	1.07	0.58	39.5
	400	65	4.0	553	980	1100	1600	QJF244MB	116244	217	238	382	3	0.95	0.6	0.66	1.07	0.58	39.5
	460	88	5.0	780	1400	1000	1500	QJ344N2MA	176344K	238	242	438	4	0.95	0.6	0.66	1.07	0.58	78.0
	460	88	5.0	780	1400	1000	1500	QJF344MB	116344	238	242	438	4	0.95	0.6	0.66	1.07	0.58	78.0
240	360	56	3.0	449	780	1200	1700	QJ1048N2MA	176148K	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	21.0
	360	56	3.0	449	780	1200	1700	QJ1048MA	176148	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	360	56	3.0	449	780	1200	1700	QJF1048MB	116148	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	359.5	56	3.0	449	780	1200	1700	QJ1048X1MA	176748	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	359.5	56	3.0	449	780	1200	1700	QJF1048X1MB	116748	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	440	72	4.0	650	1200	1000	1500	QJ248N2MA	176248K	238	258	422	3	0.95	0.6	0.66	1.07	0.58	53.0
	440	72	4.0	650	1200	1000	1500	QJF248MB	116248	238	258	422	3	0.95	0.6	0.66	1.07	0.58	53.0
	500	95	5.0	1020	1960	800	1200	QJ348N2MA	176348K	259	260	480	4	0.95	0.6	0.66	1.07	0.58	98.2
	500	95	5.0	1020	1960	800	1200	QJF348MB	116348	260	260	480	4	0.95	0.6	0.66	1.07	0.58	98.2
260	360	46	2.1	390	710	1100	1600	QJ1952N2MA	176952K	218	271	349	2	0.95	0.6	0.66	1.07	0.58	15.0



Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
400	65	4.0	540	1000	1000	1500	QJ1052N2MA	176152K	231	278	382	3	0.95	0.6	0.66	1.07	0.58	31.5	
400	65	4.0	540	1000	1000	1500	QJ1052MA	176152	231	278	382	3	0.95	0.6	0.66	1.07	0.58	31.5	
399.5	65	4.0	550	1000	1000	1500	QJ1052X1MA	176752	231	278	383	3	0.95	0.6	0.66	1.07	0.58	31.3	
399.5	65	4.0	550	1000	1000	1500	QJF1052X1MB	116752	231	278	383	3	0.95	0.6	0.66	1.07	0.58	31.3	
480	80	5.0	728	1430	900	1300	QJ252N2MA	176252K	259	282	458	4	0.95	0.6	0.66	1.07	0.58	68.0	
480	80	5.0	728	1430	900	1300	QJF252MB	116252	370	282	458	4	0.95	0.6	0.66	1.07	0.58	78.0	
280	420	65	4.0	553	1060	950	1400	QJ1056N2MA	176156K	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.5
420	65	4.0	553	1060	950	1400	QJF1056MB	116156	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.8	
419.5	65	4.0	553	1060	950	1400	QJ1056X1MA	176756	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.6	
419.5	65	4.0	553	1060	950	1400	QJF1058MB	116756	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.6	
500	90	5.0	728	1460	900	1300	QJ1256N2MA		390	302	478	4	1.34	0.54	0.47	0.81	0.44	82.0	
300	460	74	4.0	650	1340	900	1300	QJ1060N2MA	176160K	266	318	442	3	0.95	0.6	0.66	1.07	0.58	47.5
460	74	4.0	650	1340	900	1300	QJF1060MB	116160	266	318	442	3	0.95	0.6	0.66	1.07	0.58	48.5	
459.5	68	4.0	600	1250	900	1300	QJ1060X3MA	176860	266	318	442	3	0.95	0.6	0.66	1.07	0.58	48.2	
459.5	68	4.0	600	1250	900	1300	QJF1060X3MB	116860	266	318	442	3	0.95	0.6	0.66	1.07	0.58	48.2	
540	98	5.0	832	1760	850	1200	QJ1260N2MA		420	322	518	4	1.34	0.54	0.47	0.81	0.44	105	
320	480	74	4.0	663	1400	850	1200	QJ1064N2MA	176164K	280	338	462	3	0.95	0.6	0.66	1.07	0.58	50.0
480	74	4.0	663	1400	850	1200	QJF1064MB	116164	280	338	462	3	0.95	0.6	0.66	1.07	0.58	51.8	
479.5	74	4.0	660	1400	850	1200	QJ1064X1MA	176764	280	338	462	3	0.95	0.6	0.66	1.07	0.58	51.8	
479.5	74	4.0	660	1400	850	1200	QJF1064X1MB	116764	280	338	462	3	0.95	0.6	0.66	1.07	0.58	51.8	
580	105	5.0	923	2040	800	1100	QJ1264N2MA		450	342	558	4	1.34	0.54	0.47	0.81	0.44	130	
340	520	82	5.0	780	1700	800	1100	QJ1068N2MA	176168K	301	362	498	4	0.95	0.6	0.66	1.07	0.58	66.3
520	82	5.0	780	1700	800	1100	QJF1068MB	116168	301	362	498	4	0.95	0.6	0.66	1.07	0.58	68.8	



Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{amax}	e	x	y ₁	y ₂	y ₀	Refer.
	620	118	6.0	1060	2450	750	1000	QJ1268N2MA		480	368	592	5	1.34	0.54	0.47	0.81	0.44	165
360	540	82	5.0	793	1800	800	1100	QJ1072N2MA	176172K	315	382	518	4	0.95	0.6	0.66	1.07	0.58	70.5
	540	82	5.0	793	1800	800	1100	QJF1072MB	116172	315	382	518	4	0.95	0.6	0.66	1.07	0.58	73.5
	650	122	6.0	1110	2600	700	950	QJ1272N2MA		505	388	622	5	1.34	0.54	0.47	0.81	0.44	190
380	560	82	5.0	819	1900	750	1000	QJ1076N2MA	176176K	329	402	538	4	0.95	0.6	0.66	1.07	0.58	73.5
	560	82	5.0	819	1900	750	1000	QJF1076MB	116176	329	402	538	4	0.95	0.6	0.66	1.07	0.58	75.0
	680	132	6.0	1170	2850	670	900	QJ1276N2MA		530	408	652	5	1.34	0.54	0.47	0.81	0.44	220
400	600	90	5.0	904	2160	700	950	QJ1080N2MA	176180K	350	422	578	4	0.95	0.6	0.66	1.07	0.58	95.5
	600	90	5.0	904	2160	700	950	QJF1080MB	116180	350	422	578	4	0.95	0.6	0.66	1.07	0.58	98.5
	720	140	6.0	1300	3250	600	800	QJ1280N2MA		560	428	692	5	1.34	0.54	0.47	0.81	0.44	265
420	560	65	4.0	637	1600	700	950	QJ1984MA	176984	343	438	542	3	0.95	0.6	0.66	1.07	0.58	51.0
	560	65	4.0	637	1600	700	950	QJF198MB	116984	343	438	542	3	0.95	0.6	0.66	1.07	0.58	51.0
	620	90	5.0	923	2280	670	900	QJ1084N2MA	176184K	364	442	598	4	0.95	0.6	0.66	1.07	0.58	99.5
	620	90	5.0	923	2280	670	900	QJF1084MB	116184	364	442	598	4	0.95	0.6	0.66	1.07	0.58	100.5
	760	150	7.5	1430	3750	560	750	QJ1284N2MA		590	456	724	6	1.34	0.54	0.47	0.81	0.44	315
440	600	74	4.0	761	1900	670	900	QJ1988N2MA	176988K	364	458	582	3	0.95	0.6	0.66	1.07	0.58	65.0
	600	74	4.0	761	1900	670	900	QJF1988MB	116988	364	458	582	3	0.95	0.6	0.66	1.07	0.58	67.0
	650	94	6.0	995	2500	630	850	QJ1088N2MA	176188K	382	468	622	5	0.95	0.6	0.66	1.07	0.58	115
	650	94	6.0	995	2500	630	850	QJF1088MB	116188	382	468	622	5	0.95	0.6	0.66	1.07	0.58	118
	790	155	7.5	1400	3750	560	750	QJ1288N2MA		615	476	754	6	1.34	0.54	0.47	0.81	0.44	350
460	680	100	6.0	1040	2650	600	800	QJ1092N2MA	176192K	399	488	652	5	0.95	0.6	0.66	1.07	0.58	130
	680	100	6.0	1040	2650	600	800	QJF1092MB	116192	399	488	652	5	0.95	0.6	0.66	1.07	0.58	132



Boundary Dimensions (mm)				Basic Load Ratings (kN)		Speed Ratings (rpm)		Designation		Load Center Spacings	Abutment and Fillet Dimensions (mm)			Calculation Factors					Mass (kg)
d	D	B	r _{1.2min}	Cr	Cor	Grease	oil	new	old		d _{a min}	D _{a max}	r _{a max}	e	x	y ₁	y ₂	y ₀	Refer.
830	165	7.5	1530	4250	530	700	QJ1292N2MA	645	496	794	6	1.34	0.54	0.47	0.81	0.44	415		
480	700	100	6.0	1060	2800	560	750	QJ1096N2MA	176196K	413	508	672	5	0.95	0.6	0.66	1.07	0.58	135
	700	100	6.0	1060	2800	560	750	QJF1096MB	116196	413	508	672	5	0.95	0.6	0.66	1.07	0.58	137
870	170	7.5	1680	4750	500	670	QJ1296N2MA	675	516	834	6	1.34	0.54	0.47	0.81	0.44	470		
560	780	60	5.0	530	1840	600	800	QJF9/560X1	1168/560	469	582	758	4	0.95	0.6	0.66	1.07	0.58	100



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