

Designation	Dimensions							Performance				Calculation Data						Mass (kg)		
	Contact Angle	Inner Ring Diameter	Outer Ring Diameter	Width	Chamfer dimension		Distance Side Face to Pressure Point	Basic Dynamic Load Rating	Basic Static Load Rating	Limiting Speed (r/min)		Preload & Rigidity (Back to Back, Face to Face)							Fatigue load limit (kN)	Calculation factor for equivalent loads
					r ₁	r ₂				Grease	Oil-air	A		B		C				
					α	β						N	N _{μm}	N	N _{μm}	N	N _{μm}			
706C	15	6.00	17.00	6.00	0.30	0.15	6.08	2.15	0.85	66,000	87,000	13	10	20	13	50	18	0.765	1.010	0.006
707C	15	7.00	19.00	6.00	0.30	0.15	6.48	2.39	1.00	89,000	135,000	10	8	30	13	60	18	0.835	1.020	0.007
707AC	25	7.00	19.00	6.00	0.30	0.15	10.50	2.24	0.94	100,000	150,000	30	31	60	41	120	54	0.083	1.020	0.007
708C	15	8.00	22.00	7.00	0.30	0.15	7.51	3.55	1.54	77,000	117,000	20	27	40	35	80	45	1.300	0.056	0.012
708AC	25	8.00	22.00	7.00	0.30	0.15	7.00	2.80	1.50	63,000	95,000	25	28	80	42	160	54	1.020	0.056	0.012
7000C	15	10.00	26.00	8.00	0.30	0.15	6.40	5.30	2.49	63,900	97,300	23	14	70	20	140	25	2.160	12.600	0.019
7000AC	25	10.00	26.00	8.00	0.30	0.15	8.20	5.15	2.41	55,600	83,400	35	37	100	51	200	64	2.480	12.600	0.019
7000A	30	10.00	26.00	8.00	0.30	0.15	9.20	5.00	2.34	41,700	55,600							1.910	12.600	0.019
7001C	15	12.00	28.00	8.00	0.30	0.15	6.70	5.80	2.90	57,500	87,500	27	16	80	22	160	28	2.400	13.200	0.021
7001AC	25	12.00	28.00	8.00	0.30	0.15	8.70	5.90	2.79	50,000	75,000	45	41	130	57	280	72	2.820	13.200	0.021
7002C	15	15.00	32.00	9.00	0.30	0.15	7.60	6.25	3.40	49,000	74,500	30	19	90	26	180	33	2.630	14.100	0.030
7002AC	25	15.00	32.00	9.00	0.30	0.15	10.00	5.95	3.25	42,600	63,900	50	49	150	69	300	96	3.050	14.100	0.030
7003C	15	17.00	35.00	10.00	0.30	0.15	8.50	6.80	3.80	44,300	67,400	40	20	120	29	240	36	2.850	14.500	0.039
7003AC	25	17.00	35.00	10.00	0.30	0.15	11.10	6.30	3.65	38,500	57,700	65	53	190	74	380	94	3.350	14.500	0.040
7004C	15	20.00	42.00	12.00	0.60	0.30	10.10	11.10	6.55	37,100	56,500	50	24	150	35	300	44	4.800	14.000	0.067
7004AC	25	20.00	42.00	12.00	0.60	0.30	13.20	10.60	6.25	32,300	48,400	80	64	240	90	480	113	5.450	14.000	0.067
7005C	15	25.00	47.00	12.00	0.60	0.30	10.80	11.70	7.40	32,000	48,700	65	29	190	42	380	53	5.200	14.700	0.078
7005AC	25	25.00	47.00	12.00	0.60	0.30	14.40	11.10	7.10	27,800	41,700	105	77	310	108	620	136	5.950	14.700	0.077
7006C	15	30.00	55.00	13.00	1.00	0.60	12.20	15.10	10.30	27,100	41,200	80	35	240	50	480	63	6.850	14.900	0.114
7006AC	25	30.00	55.00	13.00	1.00	0.60	16.40	14.40	9.80	23,600	35,300	130	92	390	128	780	161	8.050	14.900	0.114
7007C	15	35.00	62.00	14.00	1.00	0.60	13.50	19.10	13.70	23,800	36,100	100	39	300	56	600	71	9.350	15.000	0.151
7007AC	25	35.00	62.00	14.00	1.00	0.60	18.30	18.20	13.00	20,700	31,000	165	104	490	146	980	183	11.400	15.000	0.151
7008C	15	40.00	68.00	15.00	1.00	0.60	14.70	20.60	15.90	21,300	32,500	105	41	310	59	620	75	10.600	15.400	0.189
7008AC	25	40.00	68.00	15.00	1.00	0.60	20.10	19.50	15.10	18,600	27,800	170	109	510	153	1,020	193	12.000	15.400	0.188
7009C	15	45.00	75.00	16.00	1.00	0.60	16.00	24.40	19.30	19,200	29,200	140	46	420	67	840	85	12.400	15.400	0.238
7009AC	25	45.00	75.00	16.00	1.00	0.60	22.00	23.10	18.30	16,700	25,000	230	123	690	172	1,380	216	14.500	15.400	0.250
7010C	15	50.00	80.00	16.00	1.00	0.60	16.70	26.00	21.90	17,700	27,000	145	49	430	71	860	89	13.900	15.700	0.259
7010AC	25	50.00	80.00	16.00	1.00	0.60	23.20	24.60	20.80	15,400	23,100	235	130	700	182	1,400	229	16.200	15.700	0.270
7011C	15	55.00	90.00	18.00	1.10	0.60	18.70	34.00	28.60	15,900	24,200	195	56	580	81	1,160	103	18.900	15.500	0.380
7011AC	25	55.00	90.00	18.00	1.10	0.60	25.90	32.50	27.20	13,800	20,700	315	150	940	210	1,880	264	21.800	15.500	0.383
7012C	15	60.00	95.00	18.00	1.10	0.60	19.40	35.00	30.50	14,900	22,600	200	59	600	85	1,200	108	19.900	15.700	0.405
7012AC	25	60.00	95.00	18.00	1.10	0.60	27.10	33.00	29.10	13,000	19,400	325	158	970	221	1,940	278	23.000	15.700	0.408
7013C	15	65.00	100.00	18.00	1.10	0.60	20.00	37.00	34.50	14,000	21,300	210	62	630	90	1,260	114	22.000	15.900	0.435
7013AC	25	65.00	100.00	18.00	1.10	0.60	28.20	35.00	32.50	12,200	18,200	330	165	990	232	1,990	292	25.400	15.900	0.455
7014C	15	70.00	110.00	20.00	1.10	0.60	22.10	47.00	43.00	12,800	19,500	270	70	810	102	1,620	129	26.800	15.700	0.606
7014AC	25	70.00	110.00	20.00	1.10	0.60	31.00	44.50	41.00	11,200	16,700	425	188	1,270	263	2,540	331	32.000	15.700	0.625
7015C	15	75.00	115.00	20.00	1.10	0.60	22.70	48.00	45.50	12,200	18,500	275	74	820	106	1,640	135	28.100	15.900	0.643
7015AC	25	75.00	115.00	20.00	1.10	0.60	32.10	45.50	43.50	10,600	15,800	435	197	1,300	276	2,600	346	33.500	15.900	0.652
7016C	15	80.00	125.00	22.00	1.10	0.60	24.70	58.50	55.50	11,300	17,100	330	78	990	113	1,980	144	34.500	15.700	0.855
7016AC	25	80.00	125.00	22.00	1.10	0.60	34.90	55.50	52.50	9,800	14,700	525	209	1,570	294	3,140	369	41.000	15.700	0.880
7017C	15	85.00	130.00	22.00	1.10	0.60	25.40	60.00	58.50	10,700	16,300	340	82	1,000	119	2,000	150	38.000	15.900	0.898
7017AC	25	85.00	130.00	22.00	1.10	0.60	36.10	57.00	55.50	9,400	14,000	540	219	1,620	307	3,240	386	43.000	15.900	0.904
7018C	15	90.00	140.00	24.00	1.50	1.00	27.40	71.50	69.00	10,000	15,300	360	89	1,050	129	2,100	163	44.500	15.700	1.160
7018AC	25	90.00	140.00	24.00	1.50	1.00	38.80	68.00	65.50	8,700	13,100	570	239	1,710	335	3,420	421	52.000	15.700	1.170
7019C	15	95.00	145.00	24.00	1.50	1.00	28.10	73.50	73.00	9,600	14,600	420	94	1,250	137	2,500	173	47.000	15.900	1.210
7019AC	25	95.00	145.00	24.00	1.50	1.00	40.00	69.50	69.50	8,400	12,500	670	253	2,010	354	4,020	446	52.500	15.900	1.410
7020C	15	100.00	150.00	24.00	1.50	1.00	28.70	75.50	77.00	9,200	14,000	430	98	1,290	142	2,580	180	49.000	16.000	1.270
7020AC	25	100.00	150.00	24.00	1.50	1.00	41.10	71.00	73.50	8,000	12,000	690	263	2,070	370	4,140	464	57.500	16.000	1.450
7021C	15	105.00	160.00	26.00	2.00	1.00	30.70	88.00	89.50	8,700	13,300	500	103	1,500	149	3,000	189	57.000	15.900	1.580
7021AC	25	105.00	160.00	26.00	2.00	1.00	43.90	83.50	85.00	7,600	11,400	800	276	2,400	387	4,800	487	66.500	15.900	1.820
7022C	15	110.00	170.00	28.00	2.00	1.00	32.70	106.00	104.00	8,300	12,500	590	112	1,750	162	3,500	205	68.500	15.600	1.940
7022AC	25	110.00	170.00	28.00	2.00	1.00	46.60	100.00	99.00	7,200	10,800	950	299	2,850	421	5,700	529	79.500	15.600	2.260
7024C	15	120.00	180.00	28.00	2.00	1.00	34.10	112.00	111.00	7,700	11,700	600	116	1,800	169	3,600	213	75.500	15.800	2.090
7024AC	25	120.00	180.00	28.00	2.00	1.00	49.00	106.00	111.00	6,700	10,000	970	312	2,910	438	5,820	550	87.500	15.800	2.430
7026C	15	130.00	200.00	33.00	2.00	1.00	38.60	129.00	137.00	7,000	10,700	750	129	2,200	187	4,400	236	86.000	15.900	3.220
7026AC	25	130.00	200.00	33.00	2.00	1.00	55.00	122.00	130.00	6,100	9,100	1,200	346	3,600	485	7,200	610	99.500	15.900	3.860