

Angular Contact Ball Bearings

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Bearing Numbers	Boundary Dimensions (mm)					Basic Load Ratings (kN)		Permissible Axial Load (kN)	Contact Angle (Degree)	Factor $f_0$	Effective Load Center (mm) $a$	Mass (kg) (approx.)	Limiting Speeds ( $\text{min}^{-1}$ )		NSKHPS
	$d$	$D$	$B$	$r$ (min.)	$r_1$ (min.)	$C_r$ (Dynamic)	$C_{0r}$ (Static)						Grease	Oil	
7900C	10	22	6	0.3	0.15	3.15	1.52	1.23	15	14.1	5.1	0.009	71900	109000	NSKHPS
7900A5	10	22	6	0.3	0.15	3	1.45	1.44	25	-	6.7	0.009	62500	93800	NSKHPS
7000C	10	26	8	0.3	0.15	5.6	2.49	2.16	15	12.6	6.4	0.019	63900	97300	NSKHPS
7000A5	10	26	8	0.3	0.15	5.4	2.41	2.48	25	-	8.2	0.019	55600	83400	NSKHPS
7000A	10	26	8	0.3	0.15	5.25	2.34	1.91	30	-	9.2	0.019	41700	55600	NSKHPS
7200C	10	30	9	0.6	0.3	5.65	2.61	2.16	15	13.2	7.2	0.032	57500	87500	NSKHPS
7200A5	10	30	9	0.6	0.3	5.45	2.51	2.49	25	-	9.2	0.031	50000	75000	NSKHPS
7200A	10	30	9	0.6	0.3	5.3	2.44	1.92	30	-	10.3	0.032	37500	50000	NSKHPS
7901C	12	24	6	0.3	0.15	3.55	1.86	1.45	15	14.7	5.4	0.011	63900	97300	NSKHPS
7901A5	12	24	6	0.3	0.15	3.35	1.77	1.71	25	-	7.2	0.011	55600	83400	NSKHPS
7001C	12	28	8	0.3	0.15	6.1	2.9	2.4	15	13.2	6.7	0.021	57500	87500	NSKHPS
7001A5	12	28	8	0.3	0.15	5.85	2.79	2.82	25	-	8.7	0.021	50000	75000	NSKHPS
7001A	12	28	8	0.3	0.15	5.7	2.71	2.13	30	-	9.8	0.021	37500	50000	NSKHPS
7201C	12	32	10	0.6	0.3	8.3	3.85	3.45	15	12.5	7.9	0.036	52300	79600	NSKHPS
7201A5	12	32	10	0.6	0.3	8.05	3.7	3.55	25	-	10.1	0.036	45500	68200	NSKHPS
7201A	12	32	10	0.6	0.3	7.85	3.65	2.72	30	-	11.4	0.03	34100	45500	NSKHPS
7902C	15	28	7	0.3	0.15	5	2.64	1.93	15	14.5	6.4	0.016	53500	81400	NSKHPS
7902A5	15	28	7	0.3	0.15	4.75	2.53	2.22	25	-	8.5	0.016	46600	69800	NSKHPS
7002C	15	32	9	0.3	0.15	6.55	3.4	2.63	15	14.1	7.6	0.03	49000	74500	NSKHPS
7002A5	15	32	9	0.3	0.15	6.25	3.25	3.05	25	-	10	0.03	42600	63900	NSKHPS
7002A	15	32	9	0.3	0.15	6.05	3.15	2.36	30	-	11.3	0.03	32000	42600	NSKHPS
7202C	15	35	11	0.6	0.3	9.1	4.55	3.85	15	13.2	8.8	0.045	46000	70000	NSKHPS
7202A5	15	35	11	0.6	0.3	8.75	4.35	3.95	25	-	11.3	0.044	40000	60000	NSKHPS
7202A	15	35	11	0.6	0.3	8.5	4.25	3	30	-	12.7	0.045	30000	40000	NSKHPS
7903C	17	30	7	0.3	0.15	5.25	2.94	2.09	15	14.8	6.6	0.017	49000	74500	NSKHPS
7903A5	17	30	7	0.3	0.15	5	2.8	2.21	25	-	9	0.017	42600	63900	NSKHPS
7003C	17	35	10	0.3	0.15	6.95	3.8	2.85	15	14.5	8.5	0.039	44300	67400	NSKHPS
7003A5	17	35	10	0.3	0.15	6.6	3.65	3.35	25	-	11.1	0.04	38500	57700	NSKHPS
7003A	17	35	10	0.3	0.15	6.4	3.5	2.59	30	-	12.5	0.04	28900	38500	NSKHPS
7203C	17	40	12	0.6	0.3	11.4	5.85	4.85	15	13.3	9.8	0.065	40400	61500	NSKHPS
7203A5	17	40	12	0.6	0.3	11	5.6	5.3	25	-	12.6	0.064	35100	52700	NSKHPS
7203A	17	40	12	0.6	0.3	10.7	5.45	4.05	30	-	14.2	0.065	26400	35100	NSKHPS
7904C	20	37	9	0.3	0.15	7.3	4.25	3.2	15	14.9	8.3	0.036	40400	61500	NSKHPS
7904A5	20	37	9	0.3	0.15	6.95	4.05	3.55	25	-	11.1	0.037	35100	52700	NSKHPS
7004C	20	42	12	0.6	0.3	11.7	6.55	4.8	15	14	10.1	0.067	37100	56500	NSKHPS
7004A5	20	42	12	0.6	0.3	11.2	6.25	5.45	25	-	13.2	0.067	32300	48400	NSKHPS
7004A	20	42	12	0.6	0.3	10.8	6.1	4.2	30	-	14.9	0.068	24200	32300	NSKHPS
7204C	20	47	14	1	0.6	15.3	8.05	6.3	15	13.3	11.5	0.103	34400	52300	NSKHPS
7204A5	20	47	14	1	0.6	14.7	7.75	7.4	25	-	14.8	0.102	29900	44800	NSKHPS
7204A	20	47	14	1	0.6	14.3	7.55	5.75	30	-	16.7	0.104	22400	29900	NSKHPS
7905C	25	42	9	0.3	0.15	8.25	5.4	3.9	15	15.5	9	0.043	34400	52300	NSKHPS
7905A5	25	42	9	0.3	0.15	7.8	5.15	4.4	25	-	12.3	0.043	29900	44800	NSKHPS
7005C	25	47	12	0.6	0.3	12.3	7.4	5.2	15	14.7	10.8	0.078	32000	48700	NSKHPS
7005A5	25	47	12	0.6	0.3	11.7	7.1	5.95	25	-	14.4	0.077	27800	41700	NSKHPS
7005A	25	47	12	0.6	0.3	11.3	6.85	4.55	30	-	16.4	0.079	20900	27800	NSKHPS

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	$d$	$D$	$B$	$r$ (min.)	$r_1$ (min.)	$C_r$ (Dynamic)	$C_{0r}$ (Static)						Grease	Oil	
7205C	25	52	15	1	0.6	17.4	10.2	7.5	15	14	12.7	0.127	29900	45500	NSKHPS
7205A5	25	52	15	1	0.6	16.7	9.8	9.05	25	-	16.5	0.13	26000	39000	NSKHPS
7205A	25	52	15	1	0.6	16.1	9.45	6.95	30	-	18.6	0.129	19500	26000	NSKHPS
7906C	30	47	9	0.3	0.15	8.7	6.25	4.4	15	15.9	9.7	0.049	29900	45500	NSKHPS
7906A5	30	47	9	0.3	0.15	8.25	5.95	4.95	25	-	13.5	0.05	26000	39000	NSKHPS
7006C	30	55	13	1	0.6	15.9	10.3	6.85	15	14.9	12.2	0.114	27100	41200	NSKHPS
7006A5	30	55	13	1	0.6	15.1	9.8	8.05	25	-	16.4	0.114	23600	35300	NSKHPS
7006A	30	55	13	1	0.6	14.6	9.45	6.2	30	-	18.8	0.116	17700	23600	NSKHPS
7206C	30	62	16	1	0.6	24.2	14.7	10.3	15	13.9	14.2	0.194	25000	38100	NSKHPS
7206A5	30	62	16	1	0.6	23.2	14.1	12	25	-	18.7	0.194	21800	32700	NSKHPS
7206A	30	62	16	1	0.6	22.4	13.6	9.2	30	-	21.3	0.197	16400	21800	NSKHPS
7907C	35	55	10	0.6	0.3	12.7	9.15	6.6	15	15.7	11	0.074	25600	38900	NSKHPS
7907A5	35	55	10	0.6	0.3	12	8.7	7.2	25	-	15.5	0.075	22300	33400	NSKHPS
7007C	35	62	14	1	0.6	20.1	13.7	9.35	15	15	13.5	0.151	23800	36100	NSKHPS
7007A5	35	62	14	1	0.6	19.1	13	11.4	25	-	18.3	0.151	20700	31000	NSKHPS
7007A	35	62	14	1	0.6	18.4	12.6	8.75	30	-	21	0.153	15500	20700	NSKHPS
7207C	35	72	17	1.1	0.6	32	19.9	14.4	15	13.9	15.7	0.28	21500	32800	NSKHPS
7207A5	35	72	17	1.1	0.6	30.5	19.1	16.6	25	-	21	0.277	18700	28100	NSKHPS
7207A	35	72	17	1.1	0.6	29.6	18.5	12.7	30	-	23.9	0.284	14100	18700	NSKHPS
7908C	40	62	12	0.6	0.3	15.9	11.7	8.4	15	15.7	12.8	0.109	22600	34400	NSKHPS
7908A5	40	62	12	0.6	0.3	15	11.2	8.9	25	-	17.9	0.11	19700	29500	NSKHPS
7008C	40	68	15	1	0.6	21.6	15.9	10.6	15	15.4	14.7	0.189	21300	32500	NSKHPS
7008A5	40	68	15	1	0.6	20.5	15.1	12	25	-	20.1	0.188	18600	27800	NSKHPS
7008A	40	68	15	1	0.6	19.7	14.6	9.15	30	-	23.1	0.191	13900	18600	NSKHPS
7208C	40	80	18	1.1	0.6	38	25.2	17.6	15	14.1	17	0.366	19200	29200	NSKHPS
7208A5	40	80	18	1.1	0.6	36.5	24.1	20.6	25	-	23	0.362	16700	25000	NSKHPS
7208A	40	80	18	1.1	0.6	35.5	23.3	15.8	30	-	26.3	0.37	12500	16700	NSKHPS
7909C	45	68	12	0.6	0.3	16.8	13.4	8.55	15	16	13.6	0.129	20400	31000	NSKHPS
7909A5	45	68	12	0.6	0.3	15.9	12.7	9.95	25	-	19.2	0.13	17700	26600	NSKHPS
7009C	45	75	16	1	0.6	25.6	19.3	12.4	15	15.4	16	0.238	19200	29200	NSKHPS
7009A5	45	75	16	1	0.6	24.3	18.3	14.5	25	-	22	0.25	16700	25000	NSKHPS
7009A	45	75	16	1	0.6	23.4	17.7	11.1	30	-	25.3	0.241	12500	16700	NSKHPS
7209C	45	85	19	1.1	0.6	43	28.8	19.6	15	14.2	18.2	0.406	17700	27000	NSKHPS
7209A5	45	85	19	1.1	0.6	41	27.6	23.3	25	-	24.7	0.402	15400	23100	NSKHPS
7209A	45	85	19	1.1	0.6	39.5	26.7	18	30	-	28.3	0.41	11600	15400	NSKHPS
7910C	50	72	12	0.6	0.3	17.7	15	9.45	15	16.2	14.2	0.13	18900	28700	NSKHPS
7910A5	50	72	12	0.6	0.3	16.7	14.2	11	25	-	20.2	0.132	16400	24600	NSKHPS
7010C	50	80	16	1	0.6	27.3	21.9	13.9	15	15.7	16.7	0.259	17700	27000	NSKHPS
7010A5	50	80	16	1	0.6	25.8	20.8	16.2	25	-	23.2	0.27	15400	23100	NSKHPS
7010A	50	80	16	1	0.6	24.9	20.1	12.5	30	-	26.8	0.262	11600	15400	NSKHPS
7210C	50	90	20	1.1	0.6	45	31.5	21.1	15	14.5	19.4	0.457	16500	25000	NSKHPS
7210A5	50	90	20	1.1	0.6	43	30.5	25.2	25	-	26.3	0.453	14300	21500	NSKHPS
7210A	50	90	20	1.1	0.6	41.5	29.3	19.4	30	-	30.2	0.462	10800	14300	NSKHPS
7911C	55	80	13	1	0.6	20.1	17.7	11	15	16.3	15.5	0.182	17100	26000	NSKHPS
7911A5	55	80	13	1	0.6	19	16.8	12.5	25	-	22.2	0.184	14900	22300	NSKHPS

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	$d$	$D$	$B$	$r$ (min.)	$r_1$ (min.)	$C_r$ (Dynamic)	$C_{0r}$ (Static)						Grease	Oil	
7011C	55	90	18	1.1	0.6	36	28.6	18.9	15	15.5	18.7	0.38	15900	24200	NSKHPS
7011A5	55	90	18	1.1	0.6	34	27.2	21.8	25	-	25.9	0.383	13800	20700	NSKHPS
7011A	55	90	18	1.1	0.6	32.5	26.3	16.6	30	-	29.9	0.385	10400	13800	NSKHPS
7211C	55	100	21	1.5	1	55.5	40	27.6	15	14.5	20.9	0.601	14900	22600	NSKHPS
7211A5	55	100	21	1.5	1	53	38	32.5	25	-	28.6	0.596	13000	19400	NSKHPS
7211A	55	100	21	1.5	1	51	37	25	30	-	32.9	0.609	9700	13000	NSKHPS
7912C	60	85	13	1	0.6	20.4	18.7	11.5	15	16.5	16.2	0.195	15900	24200	NSKHPS
7912A5	60	85	13	1	0.6	19.2	17.7	13	25	-	23.4	0.198	13800	20700	NSKHPS
7012C	60	95	18	1.1	0.6	37	30.5	19.9	15	15.7	19.4	0.405	14900	22600	NSKHPS
7012A5	60	95	18	1.1	0.6	35	29.1	23	25	-	27.1	0.408	13000	19400	NSKHPS
7012A	60	95	18	1.1	0.6	33.5	28.1	17.6	30	-	31.4	0.41	9700	13000	NSKHPS
7212C	60	110	22	1.5	1	67.5	49	34	15	14.4	22.4	0.78	13600	20600	NSKHPS
7212A5	60	110	22	1.5	1	64	47	40	25	-	30.8	0.773	11800	17700	NSKHPS
7212A	60	110	22	1.5	1	62	45.5	30.5	30	-	35.5	0.789	8900	11800	NSKHPS
7913C	65	90	13	1	0.6	21.2	20.5	12.5	15	16.7	16.9	0.208	14900	22600	NSKHPS
7913A5	65	90	13	1	0.6	20	19.4	14.2	25	-	24.6	0.211	13000	19400	NSKHPS
7013C	65	100	18	1.1	0.6	39	34.5	22	15	15.9	20	0.435	14000	21300	NSKHPS
7013A5	65	100	18	1.1	0.6	37	32.5	25.4	25	-	28.2	0.455	12200	18200	NSKHPS
7013A	65	100	18	1.1	0.6	33.5	31.5	19.5	30	-	32.8	0.441	9100	12200	NSKHPS
7213C	65	120	23	1.5	1	77	58.5	40	15	14.6	23.9	1.01	12500	19000	NSKHPS
7213A5	65	120	23	1.5	1	73	56	46.5	25	-	33.1	1	10900	16300	NSKHPS
7213A	65	120	23	1.5	1	70.5	54	36	30	-	38.2	1.02	8200	10900	NSKHPS
7914C	70	100	16	1	0.6	29.5	27.8	17.3	15	16.4	19.4	0.338	13600	20600	NSKHPS
7914A5	70	100	16	1	0.6	27.9	26.3	20.3	25	-	27.8	0.341	11800	17700	NSKHPS
7014C	70	110	20	1.1	0.6	49	43	26.8	15	15.7	22.1	0.606	12800	19500	NSKHPS
7014A5	70	110	20	1.1	0.6	46.5	41	32	25	-	31	0.625	11200	16700	NSKHPS
7014A	70	110	20	1.1	0.6	45	39.5	24.6	30	-	36	0.613	8400	11200	NSKHPS
7214C	70	125	24	1.5	1	83.5	64.5	43	15	14.6	25.1	1.09	11800	18000	NSKHPS
7214A5	70	125	24	1.5	1	79.5	61.5	49.5	25	-	34.7	1.08	10300	15400	NSKHPS
7214A	70	125	24	1.5	1	77	59.5	38	30	-	40.1	1.1	7700	10300	NSKHPS
7915C	75	105	16	1	0.6	30	29.3	18	15	16.6	20.1	0.358	12800	19500	NSKHPS
7915A5	75	105	16	1	0.6	28.3	27.7	21.2	25	-	29	0.355	11200	16700	NSKHPS
7015C	75	115	20	1.1	0.6	50.5	45.5	28.1	15	15.9	22.7	0.643	12200	18500	NSKHPS
7015A5	75	115	20	1.1	0.6	47.5	43.5	33.5	25	-	32.1	0.652	10600	15800	NSKHPS
7015A	75	115	20	1.1	0.6	46	41.5	25.9	30	-	37.4	0.65	7900	10600	NSKHPS
7215C	75	130	25	1.5	1	87	70	46	15	14.8	26.2	1.19	11300	17100	NSKHPS
7215A5	75	130	25	1.5	1	82.5	66.5	53	25	-	36.4	1.18	9800	14700	NSKHPS
7215A	75	130	25	1.5	1	80	64.5	40.5	30	-	42.1	1.2	7400	9800	NSKHPS
7916C	80	110	16	1	0.6	30.5	30.5	18.7	15	16.7	20.7	0.377	12200	18500	NSKHPS
7916A5	80	110	16	1	0.6	28.7	29	22.1	25	-	30.2	0.381	10600	15800	NSKHPS
7016C	80	125	22	1.1	0.6	61.5	55.5	34.5	15	15.7	24.7	0.855	11300	17100	NSKHPS
7016A5	80	125	22	1.1	0.6	58.5	52.5	41	25	-	34.9	0.88	9800	14700	NSKHPS
7016A	80	125	22	1.1	0.6	56	50.5	31.5	30	-	40.6	0.864	7400	9800	NSKHPS
7216C	80	140	26	2	1	97.5	77.5	54.5	15	14.7	27.7	1.43	10500	16000	NSKHPS
7216A5	80	140	26	2	1	93	74	62	25	-	38.6	1.42	9100	13700	NSKHPS

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	$d$	$D$	$B$	$r$ (min.)	$r_1$ (min.)	$C_r$ (Dynamic)	$C_{0r}$ (Static)						Grease	Oil	
7216A	80	140	26	2	1	89.5	71.5	47.5	30	-	44.8	1.45	6900	9100	NSKHPS
7917C	85	120	18	1.1	0.6	41	40.5	25.9	15	16.5	22.7	0.534	11300	17100	NSKHPS
7917A5	85	120	18	1.1	0.6	38.5	38.5	30	25	-	32.9	0.541	9800	14700	NSKHPS
7017C	85	130	22	1.1	0.6	63	58.5	38	15	15.9	25.4	0.898	10700	16300	NSKHPS
7017A5	85	130	22	1.1	0.6	60	55.5	43	25	-	36.1	0.904	9400	14000	NSKHPS
7017A	85	130	22	1.1	0.6	57.5	53.5	33	30	-	42	0.907	7000	9400	NSKHPS
7217C	85	150	28	2	1	113	90.5	60.5	15	14.7	29.7	1.79	9800	14900	NSKHPS
7217A5	85	150	28	2	1	107	86.5	70	25	-	41.4	1.79	8600	12800	NSKHPS
7217A	85	150	28	2	1	104	83.5	53.5	30	-	47.9	1.8	6400	8600	NSKHPS
7918C	90	125	18	1.1	0.6	44	46	29.1	15	16.6	23.4	0.568	10700	16300	NSKHPS
7918A5	90	125	18	1.1	0.6	41	43.5	33.5	25	-	34.1	0.56	9400	14000	NSKHPS
7018C	90	140	24	1.5	1	75.5	69	44.5	15	15.7	27.4	1.16	10000	15300	NSKHPS
7018A5	90	140	24	1.5	1	71	65.5	52	25	-	38.8	1.17	8700	13100	NSKHPS
7018A	90	140	24	1.5	1	68.5	63.5	40.5	30	-	45.2	1.18	6600	8700	NSKHPS
7218C	90	160	30	2	1	129	105	72	15	14.6	31.7	2.2	9200	14000	NSKHPS
7218A5	90	160	30	2	1	123	100	83.5	25	-	44.1	2.31	8000	12000	NSKHPS
7218A	90	160	30	2	1	118	96.5	64.5	30	-	51.1	2.23	6000	8000	NSKHPS
7919C	95	130	18	1.1	0.6	44.5	48	30	15	16.7	24.1	0.597	10300	15600	NSKHPS
7919A5	95	130	18	1.1	0.6	42	45.5	35	25	-	35.2	0.603	8900	13400	NSKHPS
7019C	95	145	24	1.5	1	77	73	47	15	15.9	28.1	1.21	9600	14600	NSKHPS
7019A5	95	145	24	1.5	1	73	69.5	52.5	25	-	40	1.21	8400	12500	NSKHPS
7019A	95	145	24	1.5	1	70	67	40.5	30	-	46.6	1.23	6300	8400	NSKHPS
7219C	95	170	32	2.1	1.1	139	112	76	15	14.6	33.7	2.64	8700	13300	NSKHPS
7219A5	95	170	32	2.1	1.1	133	107	87	25	-	46.9	2.63	7600	11400	NSKHPS
7219A	95	170	32	2.1	1.1	128	103	67	30	-	54.2	2.67	5700	7600	NSKHPS
7920C	100	140	20	1.1	0.6	52.5	54	33	15	16.5	26.1	0.8	9600	14600	NSKHPS
7920A5	100	140	20	1.1	0.6	49.5	51.5	39.5	25	-	38	0.808	8400	12500	NSKHPS
7020C	100	150	24	1.5	1	79	77	49	15	16	28.7	1.27	9200	14000	NSKHPS
7020A5	100	150	24	1.5	1	75	73.5	57.5	25	-	41.1	1.45	8000	12000	NSKHPS
7020A	100	150	24	1.5	1	72	70.5	44.5	30	-	48.1	1.28	6000	8000	NSKHPS
7220C	100	180	34	2.1	1.1	157	127	88.5	15	14.5	35.7	3.18	8300	12500	NSKHPS
7220A5	100	180	34	2.1	1.1	149	121	103	25	-	49.6	3.16	7200	10800	NSKHPS
7220A	100	180	34	2.1	1.1	144	117	79.5	30	-	57.4	3.21	5400	7200	NSKHPS
7921C	105	145	20	1.1	0.6	53.5	57	34.5	15	16.6	26.7	0.831	9200	14000	NSKHPS
7921A5	105	145	20	1.1	0.6	50.5	54	41	25	-	39.2	0.82	8000	12000	NSKHPS
7021C	105	160	26	2	1	92.5	89.5	57	15	15.9	30.7	1.58	8700	13300	NSKHPS
7021A5	105	160	26	2	1	87.5	85	66.5	25	-	43.9	1.82	7600	11400	NSKHPS
7021A	105	160	26	2	1	84	81.5	51	30	-	51.2	1.6	5700	7600	NSKHPS
7221C	105	190	36	2.1	1.1	171	143	97.5	15	14.5	37.7	3.78	7800	11900	NSKHPS
7221A5	105	190	36	2.1	1.1	163	137	111	25	-	52.4	3.77	6800	10200	NSKHPS
7221A	105	190	36	2.1	1.1	157	132	85	30	-	60.6	3.82	5100	6800	NSKHPS
7922C	110	150	20	1.1	0.6	54.5	59.5	35.5	15	16.7	27.4	0.867	8900	13500	NSKHPS
7922A5	110	150	20	1.1	0.6	51.5	56	43	25	-	40.3	0.877	7700	11600	NSKHPS
7022C	110	170	28	2	1	111	104	68.5	15	15.6	32.7	1.97	8300	12500	NSKHPS
7022A5	110	170	28	2	1	105	99	79.5	25	-	46.6	1.97	7200	10800	NSKHPS

Bearing Numbers	Boundary Dimensions (mm)					Basic Load Ratings (kN)		Permissible Axial Load (kN)	Contact Angle (Degree)	Factor $f_0$	Effective Load Center (mm) $a$	Mass (kg) (approx.)	Limiting Speeds ( $\text{min}^{-1}$ )		NSKHPS
	$d$	$D$	$B$	$r$ (min.)	$r_1$ (min.)	$C_r$ (Dynamic)	$C_{0r}$ (Static)						Grease	Oil	
7022A	110	170	28	2	1	101	95.5	61	30	-	54.4	1.97	5400	7200	NSKHPS
7222C	110	200	38	2.1	1.1	185	160	108	15	14.5	39.8	4.45	7500	11300	NSKHPS
7222A5	110	200	38	2.1	1.1	176	153	126	25	-	55.1	4.45	6500	9700	NSKHPS
7222A	110	200	38	2.1	1.1	170	148	97	30	-	63.7	4.49	4900	6500	NSKHPS
7924C	120	165	22	1.1	0.6	75.5	81	50.5	15	16.5	30.1	1.16	8100	12300	NSKHPS
7924A5	120	165	22	1.1	0.6	71	77	59.5	25	-	44.2	1.15	7100	10600	NSKHPS
7024C	120	180	28	2	1	118	117	75.5	15	15.8	34.1	2.09	7700	11700	NSKHPS
7024A5	120	180	28	2	1	111	111	87.5	25	-	49	2.43	6700	10000	NSKHPS
7024A	120	180	28	2	1	107	107	67.5	30	-	57.3	2.12	5000	6700	NSKHPS
7224C	120	215	40	2.1	1.1	209	192	132	15	14.6	42.4	5.42	6900	10500	NSKHPS
7224A5	120	215	40	2.1	1.1	199	184	150	25	-	59.1	5.42	6000	9000	NSKHPS
7224A	120	215	40	2.1	1.1	192	177	116	30	-	68.3	5.45	4500	6000	NSKHPS
7926C	130	180	24	1.5	1	82.5	91	55	15	16.5	32.8	1.5	7500	11300	NSKHPS
7926A5	130	180	24	1.5	1	78	86	63.5	25	-	48.1	1.54	6500	9700	NSKHPS
7026C	130	200	33	2	1	136	137	86	15	15.9	38.6	3.22	7000	10700	NSKHPS
7026A5	130	200	33	2	1	128	130	99.5	25	-	55	3.66	6100	9100	NSKHPS
7026A	130	200	33	2	1	123	125	76.5	30	-	64.1	3.26	4600	6100	NSKHPS
7226C	130	230	40	3	1.1	217	209	144	15	14.9	44.1	6.23	6400	9800	NSKHPS
7226A5	130	230	40	3	1.1	206	199	163	25	-	62	6.22	5600	8400	NSKHPS
7226A	130	230	40	3	1.1	199	193	127	30	-	72	6.28	4200	5600	NSKHPS
7928C	140	190	24	1.5	1	83.5	95.5	58	15	16.7	34.1	1.63	7000	10700	NSKHPS
7928A5	140	190	24	1.5	1	78.5	90	68	25	-	50.5	1.63	6100	9100	NSKHPS
7028C	140	210	33	2	1	139	145	90	15	16	39.9	3.41	6600	10000	NSKHPS
7028A5	140	210	33	2	1	131	138	104	25	-	57.3	3.87	5800	8600	NSKHPS
7028A	140	210	33	2	1	126	133	80.5	30	-	67	3.44	4300	5800	NSKHPS
7228C	140	250	42	3	1.1	250	254	172	15	14.8	47.1	7.91	5900	9000	NSKHPS
7228A5	140	250	42	3	1.1	238	242	194	25	-	66.5	7.91	5200	7700	NSKHPS
7228A	140	250	42	3	1.1	229	234	150	30	-	77.3	7.97	3900	5200	NSKHPS
7930C	150	210	28	2	1	107	122	74	15	16.6	38.1	2.96	6400	9800	NSKHPS
7930A5	150	210	28	2	1	101	115	84.5	25	-	56	2.97	5600	8400	NSKHPS
7030C	150	225	35	2.1	1.1	158	168	105	15	16	42.6	4.15	6200	9400	NSKHPS
7030A5	150	225	35	2.1	1.1	150	160	123	25	-	61.2	4.69	5400	8000	NSKHPS
7030A	150	225	35	2.1	1.1	144	154	95	30	-	71.6	4.19	4000	5400	NSKHPS
7230C	150	270	45	3	1.1	284	305	205	15	14.7	50.6	11.1	5500	8400	NSKHPS
7230A5	150	270	45	3	1.1	270	290	231	25	-	71.5	11.1	4800	7200	NSKHPS
7230A	150	270	45	3	1.1	261	280	179	30	-	83.1	11.2	3600	4800	NSKHPS
7932C	160	220	28	2	1	112	133	80	15	16.7	39.4	3.1	5600	8700	NSKHPS
7932A5	160	220	28	2	1	105	125	93.5	25	-	58.3	3.12	4800	7400	NSKHPS
7032C	160	240	38	2.1	1.1	180	193	118	15	16	45.8	5.11	5300	8300	NSKHPS
7032A5	160	240	38	2.1	1.1	170	183	138	25	-	65.6	5.71	4500	7000	NSKHPS
7032A	160	240	38	2.1	1.1	163	176	106	30	-	76.7	5.16	3300	4500	NSKHPS
7934C	170	230	28	2	1	118	148	88.5	15	16.8	40.8	3.36	5300	8300	NSKHPS
7934A5	170	230	28	2	1	112	140	103	25	-	60.6	3.36	4500	7000	NSKHPS
7034C	170	260	42	2.1	1.1	215	234	149	15	15.9	49.8	6.88	4900	7700	NSKHPS
7034A5	170	260	42	2.1	1.1	203	223	168	25	-	71.1	7.83	4200	6600	NSKHPS

Bearing Numbers	Boundary Dimensions (mm)					Basic Load Ratings (kN)		Permissible Axial Load (kN)	Contact Angle (Degree)	Factor $f_0$	Effective Load Center (mm) $a$	Mass (kg) (approx.)	Limiting Speeds ( $\text{min}^{-1}$ )		NSKHPS
	$d$	$D$	$B$	$r$ (min.)	$r_1$ (min.)	$C_r$ (Dynamic)	$C_{0r}$ (Static)						Grease	Oil	
7034A	170	260	42	2.1	1.1	195	214	129	30	-	83.1	6.94	3100	4200	NSKHPS
7936C	180	250	33	2	1	152	184	111	15	16.6	45.3	4.9	4900	7700	NSKHPS
7936A5	180	250	33	2	1	144	174	128	25	-	66.6	4.94	4200	6600	NSKHPS
7036C	180	280	46	2.1	1.1	240	276	175	15	15.8	53.8	10.4	4600	7200	NSKHPS
7036A5	180	280	46	2.1	1.1	227	262	195	25	-	76.6	10.4	4000	6100	NSKHPS
7036A	180	280	46	2.1	1.1	218	252	151	30	-	89.4	9.27	2900	4000	NSKHPS
7938C	190	260	33	2	1	155	192	115	15	16.7	46.6	4.98	4700	7400	NSKHPS
7938A5	190	260	33	2	1	146	182	131	25	-	69	5.12	4000	6300	NSKHPS
7038C	190	290	46	2.1	1.1	259	305	192	15	15.9	55.2	11.2	4400	6900	NSKHPS
7038A5	190	290	46	2.1	1.1	245	291	222	25	-	79	11.2	3800	5900	NSKHPS
7038A	190	290	46	2.1	1.1	235	280	172	30	-	92.3	11.3	2800	3800	NSKHPS
7940C	200	280	38	2.1	1.1	199	244	144	15	16.5	51.2	5.95	4400	6900	NSKHPS
7940A5	200	280	38	2.1	1.1	187	231	170	25	-	75	5.95	3800	5900	NSKHPS
7040C	200	310	51	2.1	1.1	278	340	213	15	15.9	59.7	13.6	4200	6500	NSKHPS
7040A5	200	310	51	2.1	1.1	263	325	245	25	-	85	13.7	3600	5500	NSKHPS
7040A	200	310	51	2.1	1.1	252	310	190	30	-	99.1	13.7	2600	3600	NSKHPS
7944C	220	300	38	2.1	1.1	200	256	150	15	16.7	53.8	7.5	4100	6400	NSKHPS
7944A5	220	300	38	2.1	1.1	188	242	176	25	-	79.6	7.5	3500	5400	NSKHPS
7948C	240	320	38	2.1	1.1	210	286	166	15	16.8	56.5	8.3	3800	5900	NSKHPS
7948A5	240	320	38	2.1	1.1	198	270	195	25	-	84.3	8.3	3300	5000	NSKHPS
7952C	260	360	46	2.1	1.1	268	365	350	15	16.6	64.5	14.3	3400	5400	NSKHPS
7952A5	260	360	46	2.1	1.1	253	345	255	25	-	95.3	14.3	3000	4600	NSKHPS
7956C	280	380	46	2.1	1.1	272	410	390	15	16.7	67.2	15	3200	5000	
7956A5	280	380	46	2.1	1.1	256	390	286	25	-	99.9	15	2800	4300	