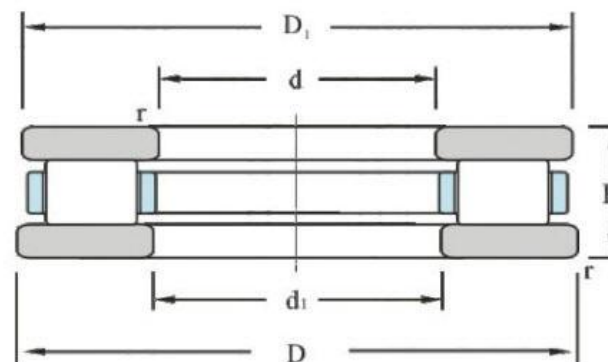


Thrust Cylindrical Roller Bearings



Bearing NO.		Boundary dimensions(mm)						Basic load ratings(kN)		Minimum load	Design	Weight(kg)
New	Old	d	D	H	$r_{1, 2min}$	d_1	D_1	C_a	C_{oa}	A		Refer
81120	9120	100	135	25	1	135	102	146	585	0.027	1	1
81220	9220	100	150	38	1.1	150	103	224	830	0.055	1	2.2
89320	9549320	100	170	42	1.5	170	103	300	1370	0.15	2	4.2
87420	7549420	100	210	50	3	210	103	540	2750	0.61	3	9
89420	9549420	100	210	67	3	210	103	680	2800	0.63	2	12
81122	9122	110	145	25	1	145	112	153	630	0.031	1	1.1
81222	9222	110	160	38	1.1	160	113	240	915	0.066	1	2.45
89322	9549322	110	190	48	2	190	113	400	1830	0.27	2	6.05

Bearing NO.		Boundary dimensions(mm)						Basic load ratings(kN)		Minimum load	Design	Weight(kg)
New	Old	d	D	H	r _{1, 2min}	d ₁	D ₁	Ca	Coa	A		Refer
87422	7549422	110	230	54	3	230	113	640	3200	0.82	3	11.5
89422	9549422	110	230	73	3	230	113	800	3350	0.9	2	15.5
81124	9124	120	155	25	1	155	122	160	680	0.036	1	1.15
81224	9224	120	170	39	1.1	170	123	245	965	0.074	1	2.7
89324	9549324	120	210	54	2.1	210	123	500	2280	0.42	2	8.5
87424	7549424	120	250	58	4	250	123	765	4000	1.3	3	15
89424	9549424	120	250	78	4	250	123	930	3900	1.2	2	19.5
81126	9126	130	170	30	1	170	132	183	780	0.048	1	1.7
81226	9226	130	190	45	1.5	187	133	335	1250	0.13	1	4.2
89326	9549326	130	225	58	2.1	225	134	560	2650	0.56	2	10
87426	7549426	130	270	63	4	270	134	830	4400	1.5	3	18.5
89426	9549426	130	270	85	4	270	134	1060	4500	1.6	2	24
81128	9128	140	180	31	1	178	142	193	850	0.057	1	1.95
81228	9228	140	200	46	1.5	197	143	360	1400	0.16	1	4.55
89328	9549328	140	240	60	2.1	240	144	640	3100	0.77	2	12
87428	7549428	140	280	63	4	280	144	880	4800	1.8	3	19.5
89428	9549428	140	280	85	4	280	144	1100	4800	1.8	2	27
81130	9130	150	190	31	1	188	152	200	900	0.064	1	2.05
81230	9230	150	215	50	1.5	212	153	465	1900	0.29	1	5.9
89330	9549330	150	250	60	2.1	250	154	670	3250	0.85	2	12.5
87430	7549430	150	300	67	4	300	154	1000	5400	2.3	3	23.5
89430	9549430	150	300	90	4	300	154	1250	5600	2.5	2	32
81132	9132	160	200	31	1	198	162	204	965	0.074	1	2.7
81232	9232	160	225	51	1.5	222	163	480	2000	0.32	1	6.2
89332	9549332	160	270	67	3	270	164	780	3800	1.2	2	16.5
87432	7549432	160	320	73	5	320	164	1160	6400	3.3	3	29.5
89432	9549432	160	320	95	5	320	164	1430	6400	3.3	2	38
81134	9134	170	215	34	1.1	213	172	260	1180	0.11	1	2.95
81234	9234	170	240	55	1.5	237	173	540	2280	0.42	1	7.7
89334	9549334	170	280	67	3	280	174	800	4000	1.3	2	17.5
87434	7549434	170	340	78	5	340	174	1290	7100	4	3	35.5
89434	9549434	170	340	103	5	340	174	1600	7200	4.1	2	47
81136	9136	180	225	34	1.1	222	183	270	1270	0.13	1	3.05
81236	9236	180	250	56	1.5	247	183	550	2400	0.46	1	8.25



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Bearing NO.		Boundary dimensions(mm)						Basic load ratings(kN)		Minimum load	Design	Weight(kg)
New	Old	d	D	H	r _{1, 2min}	d ₁	D ₁	Ca	Coa	A		Refer
89336	9549336	180	300	73	5	300	184	1020	5000	2	2	22
87436	7549436	180	360	82	5	360	184	1500	8500	4.1	3	42.5
89436	9549436	180	360	109	5	360	186	1900	7200	5.8	1	56.5
81138	9138	190	240	37	1.1	237	193	310	1460	0.17	1	3.85
81238	9238	190	270	62	2	267	194	695	2900	0.67	1	10.5
89338	9549338	190	320	78	4	320	195	1140	5600	2.5	2	27
87438	7549438	190	380	85	5	380	195	1600	9150	6.7	3	48.5
81140	9140	200	250	37	1.1	247	203	310	1500	0.18	1	4
81240	9240	200	280	62	2	277	204	720	3100	0.77	1	12
89340	9549340	200	340	85	4	340	205	1290	6400	3.3	2	32
87440	7549440	200	400	90	5	400	205	1830	10400	8.7	3	57
81144	9144	220	270	37	1.1	267	223	335	1700	0.23	1	4.5
81244	9244	220	300	63	2	297	224	750	3350	0.9	1	13
89344	9549344	220	360	85	4	360	220	1210	5450	4.1	2	36.9
81344	9344	220	360	112	4	360	225	2450	8500	5.8	1	49
89444	9549444	220	420	112	6	420	225	2320	11200	10	2	82
81148	9148	240	300	45	1.5	297	243	475	2450	0.48	1	7.25
81248	9248	240	340	78	2.1	335	244	1100	4900	1.9	1	22
89348	9549348	240	380	85	4	380	240	1290	6100	5.8	2	39.4
81152	9152	260	320	45	1.5	317	263	490	2600	0.54	1	7.85
81252	9252	260	360	79	2.1	355	264	1140	5300	2.2	1	24
89352	9549352	260	420	95	1.1	420	260	1670	7700	8.7	2	55.2
89452	9549452	260	480	132	6	480	265	2850	14300	16	2	114
81156	9156	280	350	53	1.5	347	283	680	3550	1	1	10.5
81256	9256	280	380	80	2	375	284	1160	5500	2.4	1	26
89356	9549356	280	440	95	5	438	282	1800	8650	8.7	2	58.4
81456	9456	280	520	190	6	520	286	3900	14600	17	1	195
89160	9549160	300	380	48	2	377	303	640	3550	1	1	13.5
81160	9160	300	380	62	2	376	304	850	4400	1.5	1	16.5
81260	9260	300	420	95	3	415	304	1530	7200	4.1	1	40.5
89360	9549360	300	480	109	5	480	300	2260	10500	6.7	2	81.7
81164	9164	320	400	63	2	396	324	880	4650	1.7	1	18
81264	9264	320	440	95	3	435	325	1560	7500	4.5	1	42.5
89364	9549364	320	500	109	5	500	325	2200	10400	6.7	2	85.9



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New	Old	d	D	H	r _{1, 2min}	d ₁	D ₁	Ca	Coa	A		Refer
81168	9168	340	420	64	2	416	344	900	4900	1.9	1	19.5
81268	9268	340	460	96	3	455	345	1630	8000	5.1	1	47
89368	9549368	340	540	122	5	540	345	2790	13300	8.7	2	115
89172	9549172	360	440	48	2	437	363	680	4150	1.4	1	15.5
81172	9172	360	440	65	2	436	364	900	4900	1.9	1	19.5
81272	9272	360	500	110	4	495	365	2160	10400	8.7	1	65.5
89372	9549372	360	560	122	5	560	360	2870	14000	8.7	2	120
89176	9549176	380	460	48	2	457	383	710	4400	1.5	1	16.5
81176	9176	380	460	65	2	456	384	930	5300	2.2	1	22
81276	9276	380	520	112	4	515	385	2200	10800	9.3	1	70
89180	9549180	400	480	48	2	477	403	735	4650	1.7	1	17.5
81180	9180	400	480	65	2	476	404	965	5600	2.5	1	23
81280	9280	400	540	112	4	535	405	2240	11200	10	1	73
89480	9549480	400	710	185	7.5	710	405	5700	31000	77	1	350
89184	9549184	420	500	48	2	497	423	765	4900	1.9	1	18
81184	9184	420	500	65	2	495	424	980	5850	2.7	1	24
81284	9284	420	580	130	5	575	425	2850	14000	16	1	95.5
89188	9549188	440	540	60	2.1	537	443	1040	6400	3.3	1	30
81188	9188	440	540	80	2.1	535	444	1430	8000	5.1	1	39.5
81288	9288	440	600	130	5	595	445	2900	14600	17	1	110
89192	9549192	460	560	60	2.1	557	463	1080	6700	3.6	1	31.5
81192	9192	460	560	80	2.1	555	464	1460	8500	5.8	1	41
81292	9292	460	620	130	5	615	465	2700	13400	14	1	118
89196	9549196	480	580	60	2.1	577	483	1100	6950	3.9	1	32.5
81196	9196	480	580	80	2.1	575	484	1460	8650	6	1	43
81296	9296	480	650	135	5	645	485	3350	17000	23	1	128
891/500	95491/500	500	600	60	2.1	597	503	1220	8150	5.3	1	34
811/500	91/500	500	600	80	2.1	595	505	1560	9300	6.9	1	44
812/500	92/500	500	670	135	5	665	505	3400	17600	25	1	133
891/530	95491/530	530	640	67	3	636	534	1370	8800	6.2	1	44
811/530	91/530	530	640	85	3	635	535	1730	10600	9	1	55.5
812/530	92/530	530	710	140	5	705	535	3650	18600	28	1	154
891/560	95491/560	560	670	67	3	666	564	1370	9150	6.7	1	46.5
811/560	91/560	560	670	85	3	665	565	1760	11100	9.7	1	58



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New	Old	d	D	H	r _{1, 2min}	d ₁	D ₁	Ca	Coa	A		Refer
812/560	92/560	560	750	150	5	745	565	3800	20000	32	1	187
891/600	95491/600	600	710	67	3	706	604	1430	9650	7.4	1	49.5
811/600	91/600	600	710	85	3	705	605	1800	11600	11	1	62
812/600	92/600	600	800	160	5	795	605	4400	24000	46	1	240
891/630	95491/630	630	750	73	3	746	634	1630	11200	10	1	62
811/630	91/630	630	750	95	3	746	634	2160	13700	15	1	80
812/630	92/630	630	850	175	6	842	638	4800	26000	54	1	295
891/670	95491/670	670	800	78	4	795	675	2000	13400	14	1	75.5
811/670	91/670	670	800	105	4	795	675	2550	16300	21	1	110
812/670	92/670	670	900	180	6	892	678	5700	30500	74	1	335
891/710	95491/710	710	850	85	4	845	715	2200	15000	18	1	95
811/710	91/710	710	850	112	4	845	715	2900	18300	27	1	155
812/710	92/710	710	950	190	6	942	718	5850	32000	82	1	395
891/750	95491/750	750	900	90	4	895	755	2400	16600	22	1	115
811/750	91/750	750	900	120	4	895	755	3250	21200	36	1	155
812/750	92/750	750	1000	195	6	992	758	6550	36000	100	1	445
891/800	95491/800	800	950	90	4	945	805	2500	18000	26	1	120
811/800	91/800	800	950	120	4	945	805	3450	22000	39	1	165
812/800	92/800	800	1060	205	7.5	1050	810	7350	40500	130	1	515
891/850	95491/850	850	1000	90	4	995	955	2600	19000	29	1	130
811/850	91/850	850	1000	120	4	995	855	3450	23200	43	1	170
812/850	92/850	850	1120	212	7.5	1110	860	8150	45500	170	1	580
891/900	95491/900	900	1060	95	5	1055	905	3050	22000	39	1	150
811/900	91/900	900	1060	130	5	1054	906	4000	27000	58	1	210
812/900	92/900	900	1180	220	7.5	1170	910	8500	49000	190	1	665
891/950	95491/950	950	1120	103	5	1115	955	3450	25000	50	1	185
811/950	91/950	950	1120	135	5	1114	956	4400	30000	72	1	250
812/950	92/950	950	1250	236	7.5	1240	960	10000	58500	270	1	805
810/1000	90/1000	1000	1090	70	2.1	1090	1003.5	1830	15300	19	1	68
891/1000	95491/1000	1000	1180	109	5	1175	1005	3900	28500	65	1	220
811/1000	91/1000	1000	1180	140	5	1174	1006	4750	32500	84	1	285
812/1000	92/1000	1000	1320	250	9.5	1308	1012	10200	60000	290	1	965
891/1060	95491/1060	1060	1250	115	5	1245	1065	4150	31000	77	1	260
811/1060	91/1060	1060	1250	150	5	1244	1066	5300	36500	110	1	225



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Bearing NO.		Boundary dimensions(mm)						Basic load ratings(kN)		Minimum load	Design	Weight(kg)
New	Old	d	D	H	r _{1、2min}	d ₁	D ₁	Ca	Coa	A		Refer
812/1060	92/1060	1060	1400	265	9.5	1388	1972	12000	71000	400	1	1150
891/1120	95491/1120	1120	1320	122	5	1315	1125	4900	36500	110	1	305
811/1120	91/1120	1120	1320	160	5	1314	1126	6000	41500	140	1	410



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