



## Spherical Roller Bearings

### **Spherical Roller Bearings**

Spherical roller bearings feature a large load rating capacity and self aligning capability. The spherical roller bearing is also ideal for low or medium speed applications which involve heavy or impact loading.

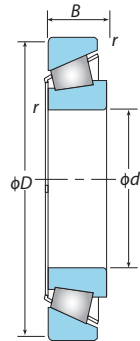
DPI Spherical roller bearings are made under the most stringent quality benchmarks. Our large range of bearings provides you with all the requirements that you need for your industrial needs.

The standard cages used are pressed steel cages or with copper alloy machined cage.

For details on boundary dimensions and specifications please refer to the tables overleaf.

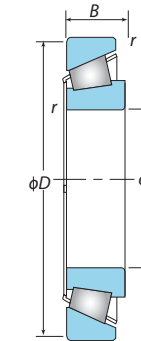


### Spherical Roller bearings (21300 series)



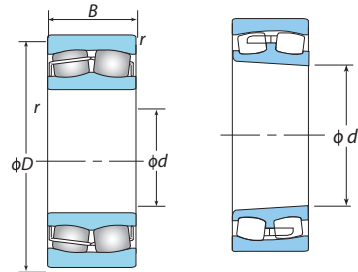
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight Kg	Adapter sleeve
				d	D	B	r min	C	Co	Lube	Lube		
Cylindrical bore		Tapered bore											
21306		21306K		30	72	19	1.1	51.5	49.4	5800	7800	0.420	H 306
21307		21307K		35	80	21	1.5	63.1	61.3	5000	6700	0.560	H 307
21308		21308K		40	90	23	1.5	82.8	82.2	4500	6100	0.780	H 308
21309		21309K		45	100	25	1.5	102	103	4000	5400	1.040	H 309
21310		21310K		50	110	27	2	121	124	3700	4900	1.330	H 310
21311		21311K		55	120	29	2	158	191	3300	4500	1.560	H 311
21312		21312K		60	130	31	2.1	173	204	3100	4100	1.930	H 312
21313		21313K		65	140	33	2.1	198	239	2800	3800	2.410	H 313
21314		21314K		70	150	35	2.1	312	286	2700	3500	2.950	H 314
21315		21315K		75	160	37	2.1	250	321	2500	3300	3.510	H 315
21316		21316K		80	170	39	2.1	275	339	2100	2800	4.140	H 316
21317		21317K		85	180	41	3	304	387	2200	2900	4.910	H 317
21318		21318K		90	190	43	3	347	443	2100	2800	5.710	H 318
21319		21319K		95	200	45	3	373	480	1900	2600	7.050	H 319
21320		21320K		100	215	47	3	414	528	1800	2400	8.670	H 320

### Spherical Roller bearings (21300 series)



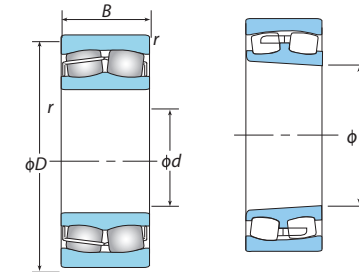
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight Kg	Adapter sleeve
				d	D	B	r min	C	Co	Grease Lube	Oil Lube		
Cylindrical bore		Tapered bore											
22205	3505	22205 K	113505	25	52	18	1	35.8	34.7	7700	10000	0.175	H 305
22206	3506	22206 K	113506	30	62	20	1	49.4	48.7	6500	8700	0.280	H 306
22207	3507	22207 K	113507	35	72	23	1.1	68.7	70.3	5500	7400	0.450	H 307
22208	3508	22208 K	113508	40	80	23	1.1	77.5	81.5	5000	6700	0.550	H 308
22209	3509	22209 K	113509	45	85	23	1.1	82.3	85.9	4600	6200	0.590	H 309
22210	3510	22210 K	113510	50	90	23	1.1	87.4	93.9	4300	5700	0.640	H 310
22211	3511	22211 K	113511	55	100	25	1.5	109	118	3800	5100	0.870	H 311
22212	3512	22212 K	113512	60	110	28	1.5	130	144	3500	4700	1.200	H 312
22213	3513	22213 K	113513	65	120	31	1.5	149	190	3200	4200	1.550	H 313
22214	3514	22214 K	113514	70	125	31	1.5	161	208	3000	4000	1.640	H 314
22215	3515	22215 K	113515	75	130	31	1.5	167	221	2900	3800	1.720	H 315
22216	3516	22216 K	113516	80	140	33	2	201	249	2700	3500	2.120	H 316
22217	3517	22217 K	113517	85	150	36	2	224	285	2500	3300	2.680	H 317
22218	3518	22218 K	113518	90	160	40	2	246	330	2300	3100	3.480	H 318
22219	3519	22219 K	113519	95	170	43	2.1	296	386	2200	2900	4.210	H 319
22220	3520	22220 K	113520	100	180	46	2.1	335	453	2100	2800	5.060	H 320
22222	3522	22222 K	113522	110	200	53	2.1	411	553	1900	2500	7.250	H 322
22224	3524	22224 K	113524	120	215	58	2.1	492	673	1700	2300	9.100	H 3124
22226	3526	22226 K	113526	130	230	64	3	569	789	1600	2100	11.400	H 3126
22228	3528	22228 K	113528	140	250	68	3	658	928	1400	1900	14.700	H 3128
22230	3530	22230 K	113530	150	270	73	3	720	1020	1300	1800	18.100	H 3130
22232	3532	22232 K	113532	160	290	80	3	885	1270	1200	1600	22.900	H 3132
22234	3534	22234 K	113534	170	310	86	4	952	1390	1100	1500	28.400	H 3134
22236	3536	22236 K	113536	180	320	86	4	978	1450	1100	1400	29.800	H 3136
22238	3538	22238 K	113538	190	340	92	4	1110	1730	1000	1300	36.600	H 3138
22240	3540	22240 K	113540	200	360	98	4	1230	1930	930	1200	44.000	H 3140
22244	3544	22244 K	113544	220	400	108	4	1560	2400	820	1100	63	H 3144
22248	3548	22248 K	113548	240	440	120	4	1920	2990	730	970	79.400	H 3148
22252	3552	22252 K	113552	260	480	130	5	2240	3460	650	870	110.000	H 3152
22256	3556	22256 K	113556	280	500	130	5	2100	3380	610	810	114.000	H 3156
22260	3560	22260 K	113556	300	540	140	5	2690	4330	550	740	145.000	H 3160
22264	3564	22264 K	113560	320	580	150	5	2730	4540	490	660	175.000	H 3164
22268	3568	22268 K	113564	340	620	165	6	3550	5430	440	590	221.000	H 3168
22272	3572	22272 K	113568	360	650	170	6	3770	5830	410	550	248.000	H 3172

## Spherical Roller Bearings



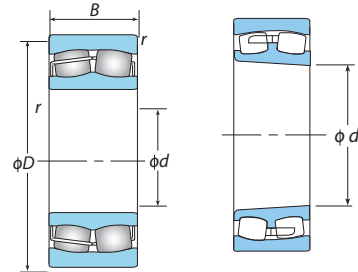
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT Kg	Adapter sleeve
				d	D	B	r min	Dynamic	Static	Grease	Oil		
Cylindrical bore		Tapered bore		d	D	B	r min	C	Co	Lube	Lube		
22307	3607	22307K	113607	35	80	31	1.5	105	107	5100	6700	0.733	H 2307
22308	3608	22308K	113608	40	90	33	1.5	125	134	4600	6100	1.020	H 2308
22309	3609	22309K	113609	45	100	36	1.5	150	156	4100	5500	1.380	H 2309
22310	3610	22310K	113610	50	110	40	2	184	203	3700	4900	1.790	H 2310
22311	3611	22311K	113611	55	120	43	2	205	241	3300	4400	2.280	H 2311
22312	3612	22312K	113612	60	130	46	2.1	239	279	3100	4100	2.850	H 2312
22313	3613	22313K	113613	65	140	48	2.1	262	309	2800	3800	3.400	H 2313
22314	3614	22314K	113614	70	150	51	2.1	311	364	2600	3500	4.110	H 2314
22315	3615	22315K	113615	75	160	55	2.1	342	412	2500	3300	5.120	H 2315
22316	3616	22316K	113616	80	170	58	2.1	392	480	2300	3100	6.100	H 2316
22317	3617	22317K	113617	85	180	60	3	397	481	2200	2900	6.990	H 2317
22318	3618	22318K	113618	90	190	64	3	458	556	2100	2800	8.300	H 2318
22319	3619	22319K	113619	95	200	67	3	504	623	1900	2600	9.720	H 2319
22320	3620	22320K	113620	100	215	73	3	579	713	1800	2400	12.200	H 2320
22322	3622	22322K	113622	110	240	80	3	713	884	1600	2200	17.700	H 2322
22324	3624	22324K	113624	120	260	86	3	812	1050	1500	2000	22.400	H 2324
22326	3626	22326K	113626	130	280	93	4	948	1200	1400	1800	28.000	H 2326
22328	3628	22328K	113628	140	300	102	4	1100	1410	1300	1700	35.500	H 2328
22330	3630	22330K	113630	150	320	108	4	1230	1600	1200	1500	42.700	H 2330
22332	3632	22332K	113632	160	340	114	4	1380	1790	1100	1400	51.000	H 2332
22334	3634	22334K	113634	170	360	120	4	1460	1920	1000	1300	60.800	H 2334
22336	3636	22336K	113636	180	380	126	4	1740	2360	920	1200	69.900	H 2336
22338	3638	22338K	113638	190	400	132	5	1900	2610	880	1200	82.400	H 2338
22340	3640	22340K	113640	200	420	138	5	2010	2750	830	1100	93.500	H 2340
22344	3644	22344K	113644	220	460	145	5	2380	3380	720	960	122.000	H 2344
22348	3648	22348K	113648	240	500	155	5	2610	4020	650	870	154.000	H 2348
22352	3652	22352K	113652	260	540	165	6	2380	4380	590	780	192.000	H 2352
22356	3656	22356K	113656	280	580	175	6	3150	4910	530	710	225.000	H 2356
22360	3660	22360K	113660	300	620	185	7.5	3910	5430	470	360	289.000	H 2360

## Spherical Roller Bearings



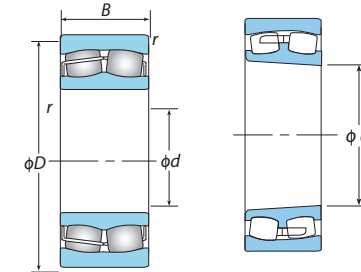
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS (mm)				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT Kg	Adapter sleeve
				d	D	B	r min	Dynamic	Static	Grease	Oil		
Cylindrical bore		Tapered bore		d	D	B	r min	C	Co	Lube	Lube		
23022	3003122	23022K	3113122	110	170	45	2	286	478	2100	2800	3.870	H 3022
23024	3003124	23024K	3113124	120	180	46	2	229	517	1900	2600	4.220	H 3024
23026	3003126	23026K	3113126	130	200	52	2	377	654	1700	2300	5.990	H 3026
23028	3003128	23028K	3113128	140	210	53	2	428	737	1600	2200	6.670	H 3028
23030	3003130	23030K	3113130	150	225	56	2.1	467	812	1500	2000	8.010	H 3030
23032	3003132	23032K	3113132	160	240	60	2.1	539	944	1400	1900	9.900	H 3032
23034	3003134	23034K	3113134	170	260	67	2.1	609	1110	1300	1700	13.000	H 3034
23036	3003136	23036K	3113136	180	280	74	2.1	710	1290	1200	1600	17.100	H 3036
23038	3003138	23038K	3113138	190	290	75	2.1	736	1370	11000	1500	18.200	H 3038
23040	3003140	23040K	3113140	200	310	82	2.1	890	1670	1000	1400	23.400	H 3040
23044	3003144	23044K	3113144	220	340	90	3	984	1890	940	1300	30.600	H 3044
23048	3003148	23048K	3113148	240	360	92	3	1100	2170	860	1100	33.800	H 3048
23052	3003152	23052K	3113152	260	400	104	4	1330	2570	760	1000	49.300	H 3052
23056	3003156	23056K	3113156	280	420	106	4	1430	2860	710	950	52.900	H 3056
23060	3003160	23060K	3113160	300	460	118	4	1750	3480	630	840	73.700	H 3060
23064	3003164	23064K	3113164	320	480	121	4	1830	3740	590	790	78.800	H 3064
23068	3003168	23068K	3113168	340	520	133	5	2130	4330	530	710	105.000	H 3068
23072	3003172	23072K	3113172	360	540	134	5	2280	4800	500	660	115.000	H 3072
23080	3003180	23080K	3113180	400	600	148	5	2710	4790	420	560	155.000	H 3080

## Spherical Roller Bearings



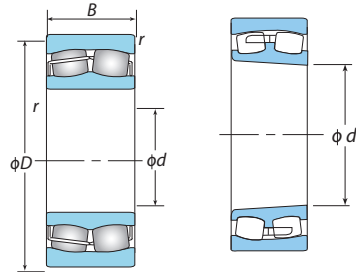
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight Kg	Adapter sleeve
				d	D	B	r min	C	Co	Grease	Oil		
23120	3003720	23120K	3113720	100	165	52	2	297	493	2200	3000	4.440	H 3120
23122	3003722	23122K	3113722	110	180	56	2	346	591	2000	2700	5.580	H 3122
23124	3003724	23124K	3113724	120	200	62	2	447	760	1800	2400	8.090	H 3124
23126	3003726	23126K	3113726	130	210	64	2	506	826	1700	2200	8.820	H 3126
23128	3003728	23128K	3113728	140	225	68	2.1	561	934	1500	2100	10.500	H 3128
23130	3003730	23130K	3113730	150	250	80	2.1	689	1230	1400	1900	15.900	H 3130
23132	3003732	23132K	3113732	160	270	86	2.1	796	1380	1300	1700	19.900	H 3132
23134	3003734	23134K	3113734	170	280	88	2.1	888	1490	1200	1600	21.700	H 3134
23136	3003736	23136K	3113736	180	300	96	3	1000	1800	1100	1500	27.500	H 3136
23138	3003738	23138K	3113738	190	320	104	3	1090	2000	1000	1400	34.400	H 3138
23140	3003740	23140K	3113740	200	340	112	3	1240	2250	980	1300	42.400	H 3140
23144	3003744	23144K	3113744	220	370	120	4	1440	2700	880	1200	53.200	H 3144
23148	3003748	23148K	3113748	240	400	128	4	1630	3080	790	1100	65.600	H 3148
23152	3003752	23152K	3113752	260	440	144	4	2100	3860	710	940	90.800	H 3152
23156	3003756	23156K	3113756	280	460	146	5	2140	4280	660	880	96.900	H 3156
23160	3003760	23160K	3113760	300	500	160	5	2490	4850	590	790	128.000	H 3160
23164	3003764	23164K	3113764	320	540	176	5	2900	5700	530	700	171.000	H 3164
23168	3003768	23168K	3113768	340	580	190	5	3280	6430	480	640	216.000	H 3168
23172	3003772	23172K	3113772	360	600	192	5	3770	7440	440	590	228.000	H 3172
23180	3003780	23180K	3113780	400	650	200	6	4310	8100	390	520	255.000	H 3180

## Spherical Roller Bearings



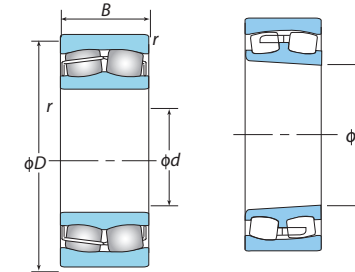
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight Kg	Adapter sleeve
				d	D	B	r min	C	Co	Grease	Oil		
23218	3003218	23218K	3113218	90	160	52.4	2	317	459	2200	3000	4.700	H 2320
23220	3003220	23220K	3113220	100	180	60.3	2.1	415	599	2100	2800	6.680	H 2320
23222	3003222	23222K	3113222	110	200	69.8	2.1	525	786	1900	2500	9.570	H 2322
23224	3003224	23224K	3113224	120	215	76	2.1	583	894	1700	2300	11.800	H 2324
23226	3003226	23226K	3113226	130	230	80	3	668	1030	1600	2100	14.000	H 2326
23228	3003228	23228K	3113228	140	250	88	3	787	1230	1500	1900	18.400	H 2328
23230	3003230	23230K	3113230	150	270	96	3	924	1470	1300	1800	23.800	H 2330
23232	3003232	23232K	3113232	160	290	104	3	1030	1650	1200	1600	30.100	H 2332
23234	3003234	23234K	3113234	170	310	110	4	1150	1870	1100	1500	36.500	H 2334
23236	3003236	23236K	3113236	180	320	112	4	1190	1980	1100	1400	38.600	H 2336
23238	3003238	23238K	3113238	190	340	120	4	1410	2210	1000	1300	46.000	H 2338
23240	3003240	23240K	3113240	200	360	128	4	1550	2610	940	1300	56.400	H 2340
23244	3003244	23244K	3113244	220	400	144	4	1880	3200	830	1100	79.200	H 2344
23248	3003248	23248K	3113248	240	440	160	4	2340	3990	730	970	107.000	H 2348
23252	3003252	23252K	3113252	260	480	174	5	2750	4640	640	860	140.000	H 2352
23256	3003256	23256K	3113256	280	500	176	5	2690	4910	610	820	149.000	H 2356
23260	3003260	23260K	3113260	300	540	192	5	3430	5910	540	720	192.000	H 2360
23264	3003264	23264K	3113264	320	580	208	5	3630	6550	500	670	249.000	H 2364
23268	3003268	23268K	3113268	340	620	224	6	4090	7560	450	600	306.000	H 2368
23272	3003272	23272K	3113272	360	650	232	6	4960	9050	410	550	328.000	H 2372
23280	3003280	23280K	3113260	400	720	256	6	5210	9850	350	470	468.000	H 2380

## Spherical Roller Bearings



BEARING NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS		RPM	WEIGHT KG
		d	D	B	DYNAMIC	STATIC		
23936		180	250	52	320000	620000	1800	8.21
23938		190	260	52	310000	600000	1800	8.60
23940		200	280	60	410000	780000	1700	12.10
23944		220	300	60	410000	780000	1600	13.10
23948		240	320	60	420000	870000	1400	14.00
23952		260	360	75	930000	1350000	1300	24.00
23956		280	380	75	630000	1320000	1200	26.40
23960		300	420	90	900000	1875000	1100	40.00
23964		320	440	90	930000	2025000	1000	43.00
23968		340	460	90	950000	2100000	1000	44.00
23972		360	480	90	965000	2175000	900	47.20
23976		380	520	106	1290000	2850000	850	69.90
23980		400	540	106	1290000	2850000	800	73.00
23984		420	560	106	1320000	3100000	750	76.20
23988		440	600	118	1575000	3675000	700	101.00
23992		460	620	118	1640000	3750000	450	107.00
23996		480	650	128	1895000	4275000	425	123.00
239/500		500	670	128	1895000	4500000	425	131.00

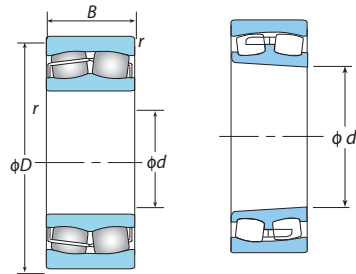
## Spherical Roller Bearings



### SERIES 240

BEARING NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS		RPM	WT KG
		d	D	B	DYNAMIC	STATIC		
24024		120	180	60	280000	500000	1700	5.48
24026		130	200	69	355000	610000	1600	8.08
24028		140	210	69	370000	675000	1500	8.57
24030		150	225	75	420000	780000	1400	10.70
24032		160	240	80	490000	900000	1200	13.00
24034		170	260	90	600000	1095000	1200	17.70
24036		180	280	100	700000	1300000	1100	23.30
24038		190	290	100	730000	1350000	1100	24.30
24040		200	310	109	840000	1590000	1000	31.00
24044		220	340	118	1020000	1950000	900	40.20
24048		240	360	118	1035000	2025000	850	43.00
24052		260	400	140	1320000	2580000	750	65.20
24056		280	420	140	1400000	2850000	700	69.00
24060		300	460	160	1760000	3560000	600	98.00
24064		320	480	160	1860000	3825000	600	103.00
24068		340	520	180	2240000	4650000	550	140.00
24072		360	540	180	2330000	4910000	500	147.00
24076		380	560	180	2370000	5100000	500	153.00
24080		400	600	200	2715000	5850000	475	202.00
24084		420	620	200	2800000	6100000	400	210.00
24088		440	650	212	3060000	6600000	375	245.00
24092		460	680	218	3270000	7100000	350	276.00
24096		480	700	218	3360000	7500000	350	285.00
240/500		500	720	218	3450000	7800000	340	295.00

## Spherical Roller Bearings



### SERIES 241

BEARING NUMBER	ROCT	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		RPM	WT KG
		d	D	B				
24122		110	180	69	345000	560000	1150	6.52
24124		120	200	80	430000	710000	1000	10.10
24126		130	210	80	440000	750000	1000	10.20
24128		140	225	85	500000	870000	930	12.40
24130		150	250	100	670000	1140000	850	18.70
24132		160	270	109	780000	1320000	750	24.30
24134		170	280	109	800000	1390000	720	25.60
24136		180	300	118	915000	1620000	680	32.10
24138		190	320	128	1050000	1875000	630	40.10
24140		200	340	140	1185000	2100000	590	50.10
24144		220	370	150	1380000	2510000	530	62.50
24148		240	400	160	1575000	2900000	500	78.80
24152		260	440	180	1960000	3600000	450	108.00
24156		280	460	180	2000000	3825000	425	114.00
24160		300	500	200	2460000	4720000	380	152.00
24164		320	540	218	2800000	5325000	360	196.00
24168		340	580	243	3495000	6480000	340	225.00
24172		380	600	243	3360000	6480000	320	265.00
24176		380	620	243	3450000	6860000	220	292.00
24180		400	650	250	3660000	7300000	200	329.00
24184		420	700	280	4310000	8550000	180	440.00
24188		440	720	280	4485000	9150000	180	456.00
24192		460	760	300	5430000	10950000	170	550.00
24196		480	790	308	5430000	11250000	160	608.00
241/500		500	830	325	6470000	12750000	150	716.00

This page is intentionally left blank