

# NSK SPHERICAL ROLLER BEARINGS

**SHAFT FITS FOR A ROTATING SHAFT IN A STATIONARY HOUSING** <sup>1, 2, 3</sup>

Bearing Bore No. (Last 2 digits)	Bearing Bore Dia		Recommended Shaft Diameter (inches)	
	mm	inches	Max.	Min.
06	30	1.1811	1.1817	1.1812
07	35	1.3780	1.3787	1.3780
08	40	1.5748	1.5755	1.5749
09	45	1.7717	1.7726	1.7720
10	50	1.9685	1.9695	1.9689
11	55	2.1654	2.1665	2.1658
12	60	2.3622	2.3634	2.3626
13	65	2.5591	2.5602	2.5595
14	70	2.7559	2.7571	2.7563
15	75	2.9528	2.9539	2.9532
16	80	3.1496	3.1508	3.1500
17	85	3.3465	3.3478	3.3470
18	90	3.5433	3.5447	3.5438
19	95	3.7402	3.7415	3.7407
20	100	3.9370	3.9384	3.9375
22	110	4.3307	4.3325	4.3316
24	120	4.7244	4.7262	4.7253
26	130	5.1181	5.1202	5.1192
28	140	5.5118	5.5139	5.5129
30	150	5.9055	5.9082	5.9072
32	160	6.2992	6.3019	6.3009
34	170	6.6929	6.6956	6.6946
36	180	7.0866	7.0893	7.0883
38	190	7.4803	7.4834	7.4823
40	200	7.8740	7.8771	7.8760
44	220	8.6614	8.6645	8.6634
48	240	9.4488	9.4519	9.4508
52	260	10.2362	10.2397	10.2384
56	280	11.0236	11.0271	11.0258
60	300	11.8110	11.8161	11.8149
64	320	12.5984	12.6041	12.6027
68	340	13.3858	13.3915	13.3901
72	360	14.1732	14.1791	14.1777
76	380	14.9606	14.9665	14.9651
80	400	15.7480	15.7539	15.7525
84	420	16.5354	16.5420	16.5404
88	440	17.3228	17.3294	17.3278
92	460	18.1102	18.1170	18.1154
96	480	18.8976	18.9044	18.9028

Notes:

1. Not to be used for vibrating equipment bearings or where the direction of the radial load rotates with the shaft.
2. Does not apply to shafts for tapered bore bearings.
3. Applicable only to solid steel shafts and cast iron or steel housings.

# NSK SPHERICAL ROLLER BEARINGS

## HOUSING FITS FOR A ROTATING SHAFT IN A STATIONARY HOUSING <sup>1, 2, 3</sup>

Bearing Outside Dia		Recommended Housing Diameter (inches)	
mm	inches	Max.	Min.
62	2.4409	2.4421	2.4409
72	2.8346	2.8358	2.8346
80	3.1496	3.1508	3.1496
85	3.3465	3.3478	3.3465
90	3.5433	3.5447	3.5433
100	3.9370	3.9384	3.9370
110	4.3307	4.3321	4.3307
120	4.7244	4.7258	4.7244
125	4.9213	4.9228	4.9213
130	5.1181	5.1197	5.1181
140	5.5118	5.5134	5.5118
150	5.9055	5.9071	5.9055
160	6.2992	6.3008	6.2992
165	6.4961	6.4976	6.4961
170	6.6929	6.6945	6.6929
180	7.0866	7.0882	7.0866
200	7.8740	7.8758	7.8740
210	8.2677	8.2695	8.2677
215	8.4646	8.4664	8.4646
225	8.8583	8.8601	8.8583
230	9.0551	9.0569	9.0551
250	9.8425	9.8443	9.8425
260	10.2362	10.2383	10.2362
270	10.6299	10.6320	10.6299
280	11.0236	11.0257	11.0236
290	11.4173	11.4194	11.4173
310	12.2047	12.2068	12.2047
320	12.5984	12.6007	12.5984
340	13.3858	13.3881	13.3858
360	14.1732	14.1755	14.1732
370	14.5669	14.5692	14.5669
380	14.9606	14.9629	14.9606
400	15.7480	15.7503	15.7480
420	16.5354	16.5379	16.5354
440	17.3228	17.3253	17.3228
460	18.1102	18.1127	18.1102
480	18.8976	18.9001	18.8976
500	19.6850	19.6875	19.6850
520	20.4724	20.4752	20.4724
540	21.2598	21.2626	21.2598
560	22.0472	22.0500	22.0472
580	22.8346	22.8374	22.8346
600	23.6220	23.6248	23.6220



# NSK CYLINDRICAL & TAPERED ROLLER BEARINGS

## SHAFT FITS FOR A ROTATING SHAFT IN A STATIONARY HOUSING <sup>1, 2, 3</sup>

Bearing Bore No. (Last 2 digits)	Bearing Bore Dia		Recommended Shaft Diameter (inches)	
	mm	inches	Max.	Min.
05	25	0.9843	0.9847	0.9843
06	30	1.1811	1.1815	1.1812
07	35	1.3780	1.3785	1.3780
08	40	1.5748	1.5753	1.5749
09	45	1.7717	1.7724	1.7720
10	50	1.9685	1.9693	1.9689
11	55	2.1654	2.1663	2.1658
12	60	2.3622	2.3631	2.3626
13	65	2.5591	2.5600	2.5595
14	70	2.7559	2.7569	2.7563
15	75	2.9528	2.9537	2.9532
16	80	3.1496	3.1506	3.1500
17	85	3.3465	3.3476	3.3470
18	90	3.5433	3.5444	3.5438
19	95	3.7402	3.7413	3.7407
20	100	3.9370	3.9381	3.9375
21	105	4.1339	4.1352	4.1344
22	110	4.3307	4.3321	4.3312
24	120	4.7244	4.7258	4.7249
26	130	5.1181	5.1197	5.1187
28	140	5.5118	5.5134	5.5124
30	150	5.9055	5.9076	5.9066
32	160	6.2992	6.3013	6.3003
34	170	6.6929	6.6950	6.6940
36	180	7.0866	7.0887	7.0877
38	190	7.4803	7.4827	7.4815
40	200	7.8740	7.8764	7.8752
44	220	8.6614	8.6645	8.6634
48	240	9.4488	9.4519	9.4508
52	260	10.2362	10.2397	10.2384
56	280	11.0236	11.0271	11.0258
60	300	11.8110	11.8145	11.8132

Notes:

1. Not to be used for equipment where the direction of the radial load rotates with the shaft.
2. Does not apply to inch series tapered roller bearings.
3. Applicable only to solid steel shafts and cast iron or steel housings.

# NSK CYLINDRICAL & TAPERED ROLLER BEARINGS

## HOUSING FITS FOR A ROTATING SHAFT IN A STATIONARY HOUSING <sup>1, 2, 3</sup>

Bearing Outside Dia		Recommended Housing Diameter (inches)	
mm	inches	Max.	Min.
47	1.8504	1.8514	1.8504
52	2.0472	2.0484	2.0472
55	2.1654	2.1665	2.1654
62	2.4409	2.4421	2.4409
72	2.8346	2.8358	2.8346
80	3.1496	3.1508	3.1496
85	3.3465	3.3478	3.3465
90	3.5433	3.5447	3.5433
100	3.9370	3.9384	3.9370
110	4.3307	4.3321	4.3307
120	4.7244	4.7258	4.7244
125	4.9213	4.9228	4.9213
130	5.1181	5.1197	5.1181
140	5.5118	5.5134	5.5118
150	5.9055	5.9071	5.9055
160	6.2992	6.3008	6.2992
165	6.4961	6.4976	6.4961
170	6.6929	6.6945	6.6929
180	7.0866	7.0882	7.0866
200	7.8740	7.8758	7.8740
210	8.2677	8.2695	8.2677
215	8.4646	8.4664	8.4646
225	8.8583	8.8601	8.8583
230	9.0551	9.0569	9.0551
250	9.8425	9.8443	9.8425
260	10.2362	10.2383	10.2362
270	10.6299	10.6320	10.6299
280	11.0236	11.0257	11.0236
290	11.4173	11.4194	11.4173
310	12.2047	12.2068	12.2047
320	12.5984	12.6007	12.5984
340	13.3858	13.3881	13.3858
360	14.1732	14.1755	14.1732
370	14.5669	14.5692	14.5669
380	14.9606	14.9629	14.9606
400	15.7480	15.7503	15.7480
420	16.5354	16.5379	16.5354
440	17.3228	17.3253	17.3228
460	18.1102	18.1127	18.1102
480	18.8976	18.9001	18.8976
500	19.6850	19.6875	19.6850
540	21.2598	21.2626	21.2598



# NSK BALL & ANGULAR CONTACT BEARINGS

## SHAFT FITS FOR A ROTATING SHAFT IN A STATIONARY HOUSING <sup>1, 2, 3</sup>

Bearing Bore No. (Last 2 digits)	Bearing Bore Dia		Recommended Shaft Diameter (inches)	
	mm	inches	Max.	Min.
04	20	0.7874	0.7878	0.7875
05	25	0.9843	0.9847	0.9843
06	30	1.1811	1.1815	1.1812
07	35	1.3780	1.3785	1.3780
08	40	1.5748	1.5753	1.5749
09	45	1.7717	1.7722	1.7717
10	50	1.9685	1.9690	1.9686
11	55	2.1654	2.1659	2.1654
12	60	2.3622	2.3628	2.3623
13	65	2.5591	2.5596	2.5591
14	70	2.7559	2.7565	2.7560
15	75	2.9528	2.9533	2.9528
16	80	3.1496	3.1502	3.1497
17	85	3.3465	3.3472	3.3466
18	90	3.5433	3.5440	3.5434
19	95	3.7402	3.7409	3.7403
20	100	3.9370	3.9377	3.9371
21	105	4.1339	4.1350	4.1344
22	110	4.3307	4.3318	4.3312
24	120	4.7244	4.7255	4.7249
26	130	5.1181	5.1194	5.1187
28	140	5.5118	5.5131	5.5124
30	150	5.9055	5.9071	5.9061
32	160	6.2992	6.3008	6.2998
34	170	6.6929	6.6945	6.6935
36	180	7.0866	7.0882	7.0872
38	190	7.4803	7.4821	7.4810
40	200	7.8740	7.8758	7.8747

Notes:

1. Not to be used for equipment where the direction of the radial load rotates with the shaft.
2. Not to be used with super-precision or preloaded bearings.
3. Applicable only to solid steel shafts and cast iron or steel housings.

# NSK BALL & ANGULAR CONTACT BEARINGS

**HOUSING FITS FOR A ROTATING SHAFT IN A STATIONARY HOUSING** <sup>1, 2, 3</sup>

Bearing Outside Dia		Recommended Housing Diameter (inches)	
mm	inches	Max.	Min.
47	1.8504	1.8514	1.8504
52	2.0472	2.0484	2.0472
55	2.1654	2.1665	2.1654
62	2.4409	2.4421	2.4409
72	2.8346	2.8358	2.8346
80	3.1496	3.1508	3.1496
85	3.3465	3.3478	3.3465
90	3.5433	3.5447	3.5433
100	3.9370	3.9384	3.9370
110	4.3307	4.3321	4.3307
120	4.7244	4.7258	4.7244
125	4.9213	4.9228	4.9213
130	5.1181	5.1197	5.1181
140	5.5118	5.5134	5.5118
150	5.9055	5.9071	5.9055
160	6.2992	6.3008	6.2992
165	6.4961	6.4976	6.4961
170	6.6929	6.6945	6.6929
180	7.0866	7.0882	7.0866
200	7.8740	7.8758	7.8740
210	8.2677	8.2695	8.2677
215	8.4646	8.4664	8.4646
225	8.8583	8.8601	8.8583
230	9.0551	9.0569	9.0551
250	9.8425	9.8443	9.8425
260	10.2362	10.2383	10.2362
270	10.6299	10.6320	10.6299
280	11.0236	11.0257	11.0236
290	11.4173	11.4194	11.4173
310	12.2047	12.2068	12.2047
320	12.5984	12.6007	12.5984
340	13.3858	13.3881	13.3858
360	14.1732	14.1755	14.1732

