

Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Resultant fits		Tolerance classes		G7		H6		H7		Fit <sup>1)</sup>			
	max	min	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	
mm	in.		in.		-	in.		-	in.		-	in.		
16	0.6299	0.6296	0.6305	0.6312	16 L 6 L	0.6301	0.6308	12 L 2 L	0.6299	0.6303	7 L 0 L	0.6299	0.6306	10 L 0 L
19	0.7480	0.7476	0.7488	0.7496		0.7483	0.7491		0.7480	0.7485		0.7480	0.7488	
22	0.8661	0.8657	0.8669	0.8677		0.8664	0.8672		0.8661	0.8666		0.8661	0.8669	
24	0.9449	0.9445	0.9457	0.9465	20 L	0.9452	0.9460	15 L	0.9449	0.9454	9 L	0.9449	0.9457	12 L
26	1.0236	1.0232	1.0244	1.0252	8 L	1.0239	1.0247	3 L	1.0236	1.0241	0 L	1.0236	1.0244	0 L
28	1.1024	1.1020	1.1032	1.1040		1.1027	1.1035		1.1024	1.1029		1.1024	1.1032	
30	1.1811	1.1807	1.1819	1.1827		1.1814	1.1822		1.1811	1.1816		1.1811	1.1819	
32	1.2598	1.2594	1.2608	1.2618		1.2602	1.2611		1.2598	1.2604		1.2598	1.2608	
35	1.3780	1.3776	1.3790	1.4000		1.3784	1.3793		1.3780	1.3786		1.3780	1.3790	
37	1.4567	1.4563	1.4577	1.4587	24 L	1.4571	1.4580	17 L	1.4567	1.4573	10 L	1.4567	1.4577	14 L
40	1.5748	1.5744	1.5758	1.5768	10 L	1.5752	1.5761	4 L	1.5748	1.5754	0 L	1.5748	1.5758	0 L
42	1.6535	1.6531	1.6545	1.6555		1.6539	1.6548		1.6535	1.6541		1.6535	1.6545	
47	1.8504	1.8500	1.8514	1.8524		1.8508	1.8517		1.8504	1.8510		1.8504	1.8514	
52	2.0472	2.0467	2.0484	2.0496		2.0476	2.0488		2.0472	2.0479		2.0472	2.0484	
55	2.1654	2.1649	2.1666	2.1678		2.1658	2.1670		2.1654	2.1661		2.1654	2.1666	
62	2.4409	2.4404	2.4421	2.4433		2.4413	2.4425		2.4409	2.4416		2.4409	2.4421	
68	2.6772	2.6767	2.6784	2.6796	29 L	2.6776	2.6788	21 L	2.6772	2.6779	12 L	2.6772	2.6784	17 L
72	2.8346	2.8341	2.8358	2.8370	12 L	2.8350	2.8362	4 L	2.8346	2.8353	0 L	2.8346	2.8358	0 L
75	2.9527	2.9522	2.9539	2.9551		2.9532	2.9543		2.9527	2.9534		2.9527	2.9539	
80	3.1496	3.1491	3.1508	3.1520		3.1500	3.1512		3.1496	3.1503		3.1496	3.1508	
85	3.3465	3.3459	3.3479	3.3493		3.3470	3.3484		3.3465	3.3474		3.3465	3.3479	
90	3.5433	3.5427	3.5447	3.5461		3.5438	3.5452		3.5433	3.5442		3.5433	3.5447	
95	3.7402	3.7396	3.7416	3.7430		3.7407	3.7421		3.7402	3.7411		3.7402	3.7416	
100	3.9370	3.9364	3.9384	3.9398	34 L	3.9375	3.9389	25 L	3.9370	3.9379	15 L	3.9370	3.9384	20 L
110	4.3307	4.3301	4.3321	4.3335	14 L	4.3312	4.3326	5 L	4.3307	4.3316	0 L	4.3307	4.3321	0 L
115	4.5276	4.5270	4.5290	4.5304		4.5281	4.5295		4.5276	4.5285		4.5276	4.5290	
120	4.7244	4.7238	4.7258	4.7272		4.7249	4.7263		4.7244	4.7253		4.7244	4.7258	
125	4.9213	4.9206	4.9230	4.9246		4.9219	4.9234		4.9213	4.9223		4.9213	4.9229	
130	5.1181	5.1174	5.1198	5.1214		5.1187	5.1202		5.1181	5.1191		5.1181	5.1197	
140	5.5118	5.5111	5.5135	5.5151	40 L	5.5124	5.5139	28 L	5.5118	5.5128	17 L	5.5118	5.5134	23 L
145	5.7087	5.7080	5.7104	5.7120	17 L	5.7093	5.7108	6 L	5.7087	5.7097	0 L	5.7087	5.7103	0 L
150	5.9055	5.9048	5.9072	5.9088		5.9061	5.9076		5.9055	5.9065		5.9055	5.9071	
160	6.2992	6.2982	6.3009	6.3025		6.2998	6.3013		6.2992	6.3002		6.2992	6.3008	
165	6.4961	6.4951	6.4978	6.4994	43 L	6.4967	6.4982	31 L	6.4961	6.4971	20 L	6.4961	6.4977	26 L
170	6.6929	6.6919	6.6946	6.6962	17 L	6.6935	6.6950	6 L	6.6929	6.6939	0 L	6.6929	6.6945	0 L
180	7.0866	7.0856	7.0883	7.0899		7.0872	7.0887		7.0866	7.0876		7.0866	7.0882	
190	7.4803	7.4791	7.4823	7.4841		7.4809	7.4827		7.4803	7.4814		7.4803	7.4821	
200	7.8740	7.8728	7.8760	7.8778		7.8746	7.8764		7.8740	7.8751		7.8740	7.8758	
210	8.2677	8.2665	8.2697	8.2715		8.2683	8.2701		8.2677	8.2688		8.2677	8.2695	
215	8.4646	8.4634	8.4666	8.4684		8.4652	8.4670		8.4646	8.4657		8.4646	8.4664	
220	8.6614	8.6602	8.6634	8.6652	50 L	8.6620	8.6638	36 L	8.6614	8.6625	23 L	8.6614	8.6632	30 L
225	8.8583	8.8571	8.8603	8.8621	20 L	8.8589	8.8607	6 L	8.8583	8.8594	0 L	8.8583	8.8601	0 L
230	9.0551	9.0539	9.0571	9.0589		9.0557	9.0575		9.0551	9.0562		9.0551	9.0569	
240	9.4488	9.4476	9.4508	9.4526		9.4494	9.4512		9.4488	9.4499		9.4488	9.4506	
250	9.8425	9.8413	9.8445	9.8463		9.8431	9.8449		9.8425	9.8436		9.8425	9.8443	

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

## Housing tolerances and resultant fits (inch)

Bearing outside diameter D	max		min		Resultant fits		G7		H6		H7			
					Tolerance classes		Housing bore		Housing bore		Housing bore			
					F7	Fit <sup>1)</sup>	max	min	max	min	Fit <sup>1)</sup>	max	min	Fit <sup>1)</sup>
mm	in.				in.	-	in.				-	in.		-
260	10.2362	10.2348	10.2384	10.2405			10.2369	10.2389		10.2362	10.2375		10.2362	10.2382
270	10.6299	10.6285	10.6321	10.6342			10.6306	10.6326		10.6299	10.6312		10.6299	10.6319
280	11.0236	11.0222	11.0258	11.0279	57 L		11.0243	11.0263	41 L	11.0236	11.0249	27 L	11.0236	11.0256
290	11.4173	11.4159	11.4195	11.4216	22 L		11.4180	11.4200	7 L	11.4173	11.4186	0 L	11.4173	11.4193
300	11.8110	11.8096	11.8132	11.8153			11.8117	11.8137		11.8110	11.8123		11.8110	11.8130
310	12.2047	12.2033	12.2069	12.2090			12.2054	12.2074		12.2047	12.2060		12.2047	12.2067
320	12.5984	12.5968	12.6008	12.6031			12.5991	12.6014		12.5984	12.5998		12.5984	12.6006
340	13.3858	13.3842	13.3882	13.3905			13.3865	13.3888		13.3858	13.3872		13.3858	13.3880
360	14.1732	14.1716	14.1756	14.1779	63 L		14.1739	14.1762	46 L	14.1732	14.1746	30 L	14.1732	14.1754
370	14.5669	14.5654	14.5694	14.5717	24 L		14.5677	14.5700	7 L	14.5669	14.5684	0 L	14.5670	14.5692
380	14.9606	14.9590	14.9630	14.9653			14.9613	14.9636		14.9606	14.9620		14.9606	14.9628
400	15.7480	15.7464	15.7504	15.7527			15.7487	15.7510		15.7480	15.7494		15.7480	15.7502
420	16.5354	16.5336	16.5381	16.5406			16.5362	16.5387		16.5354	16.5370		16.5354	16.5379
440	17.3228	17.3210	17.3255	17.3280	70 L		17.3236	17.3261	51 L	17.3228	17.3244	34 L	17.3228	17.3253
460	18.1102	18.1084	18.1129	18.1154	27 L		18.1110	18.1135	8 L	18.1102	18.1118	0 L	18.1102	18.1127
480	18.8976	18.8958	18.9003	18.9028			18.8984	18.9009		18.8976	18.8992		18.8976	18.9001
500	19.6850	19.6832	19.6877	19.6902			19.6858	19.6883		19.6850	19.6866		19.6850	19.6875
520	20.4724	20.4704	20.4754	20.4781			20.4733	20.4760		20.4724	20.4741		20.4724	20.4752
540	21.2598	21.2578	21.2628	21.2655			21.2607	21.2634		21.2598	21.2615		21.2598	21.2626
560	22.0472	22.0452	22.0502	22.0529	77 L		22.0481	22.0508	56 L	22.0472	22.0489	37 L	22.0472	22.0500
580	22.8346	22.8326	22.8376	22.8403	30 L		22.8355	22.8382	9 L	22.8346	22.8363	0 L	22.8346	22.8374
600	23.6220	23.6200	23.6250	23.6277			23.6229	23.6256		23.6220	23.6237		23.6220	23.6248
620	24.4094	24.4074	24.4124	24.4151			24.4103	24.4130		24.4094	24.4111		24.4094	24.4122
650	25.5906	25.5876	25.5937	25.5969			25.5915	25.5947		25.5906	25.5926		25.5906	25.5937
670	26.3780	26.3750	26.3811	26.3843			26.3789	26.3821		26.3780	26.3800		26.3780	26.3811
680	26.7717	26.7687	26.7748	26.7780			26.7726	26.7758		26.7717	26.7737		26.7717	26.7748
700	27.5591	27.5561	27.5622	27.5654			27.5600	27.5632		27.5591	27.5611		27.5591	27.5622
720	28.3465	28.3435	28.3496	28.3528	93 L		28.3474	28.3506	71 L	28.3465	28.3485	50 L	28.3465	28.3496
750	29.5276	29.5246	29.5307	29.5339	31 L		29.5285	29.5317	9 L	29.5276	29.5296	0 L	29.5276	29.5307
760	29.9213	29.9183	29.9244	29.9276			29.9222	29.9254		29.9213	29.9233		29.9213	29.9244
780	30.7087	30.7057	30.7118	30.7150			30.7096	30.7128		30.7087	30.7107		30.7087	30.7118
790	31.1024	31.0994	31.1055	31.1087			31.1033	31.1065		31.1024	31.1044		31.1024	31.1055
800	31.4961	31.4931	31.4992	31.5024			31.4970	31.5002		31.4961	31.4981		31.4961	31.4992
820	32.2835	32.2796	32.2869	32.2904			32.2845	32.2881		32.2835	32.2857		32.2835	32.2870
830	32.6772	32.6733	32.6806	32.6841			32.6782	32.6818		32.6772	32.6794		32.6772	32.6807
850	33.4646	33.4607	33.4680	33.4715			33.4656	33.4692		33.4646	33.4668		33.4646	33.4681
870	34.2520	34.2481	34.2554	34.2589	108 L		34.2530	34.2566	85 L	34.2520	34.2542	61 L	34.2520	34.2555
920	36.2205	36.2166	36.2239	36.2274	34 L		36.2215	36.2251	10 L	36.2205	36.2227	0 L	36.2205	36.2240
950	37.4016	37.3977	37.4050	37.4085			37.4026	37.4062		37.4016	37.4038		37.4016	37.4051
980	38.5827	38.5788	38.5861	38.5896			38.5837	38.5873		38.5827	38.5849		38.5827	38.5862
1000	39.3701	39.3662	39.3735	39.3770			39.3711	39.3747		39.3701	39.3723		39.3701	39.3736
1150	45.2756	45.2707	45.2795	45.2836	129 L		45.2767	45.2808	101 L	45.2756	45.2782	75 L	45.2756	45.2797
1250	49.2126	49.2077	49.2165	49.2206	39 L		49.2137	49.2178	11 L	49.2126	49.2152	0 L	49.2126	49.2167
1400	55.1181	55.1118	55.1224	55.1274	156 L		55.1193	55.1242	124 L	55.1181	55.1212	94 L	55.1181	55.1230
1600	62.9921	62.9858	62.9964	63.0014	43 L		62.9933	62.9982	12 L	62.9921	62.9952	0 L	62.9921	62.9970

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Bearing outside diameter		Resultant fits		H8		H9		H10		J6		Fit <sup>1)</sup>	
	max	min	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>
mm	in.		in.		-	in.		-	in.		-	in.		-
16	0.6299	0.6296	0.6299	0.6310	14 L OL	0.6299	0.6316	20 L OL	0.6299	0.6327	31 L OL	0.6297	0.6301	5 L 2T
19	0.7480	0.7476	0.7480	0.7493		0.7480	0.7500		0.7480	0.7513		0.7478	0.7483	
22	0.8661	0.8657	0.8661	0.8674		0.8661	0.8681		0.8661	0.8694		0.8659	0.8664	
24	0.9449	0.9445	0.9449	0.9462	17 L OL	0.9449	0.9469	24 L OL	0.9449	0.9482	37 L OL	0.9447	0.9452	7 L 2T
26	1.0236	1.0232	1.0236	1.0249		1.0236	1.0256		1.0236	1.0269		1.0234	1.0239	
28	1.1024	1.1020	1.1024	1.1037		1.1024	1.1044		1.1024	1.1057		1.1022	1.1027	
30	1.1811	1.1807	1.1811	1.1824		1.1811	1.1831		1.1811	1.1844		1.1809	1.1814	
32	1.2598	1.2594	1.2598	1.2613		1.2598	1.2622		1.2598	1.2637		1.2596	1.2602	
35	1.3780	1.3776	1.3780	1.3795		1.3780	1.3804		1.3780	1.3819		1.3778	1.3784	
37	1.4567	1.4563	1.4567	1.4582	19 L OL	1.4567	1.4591	28 L OL	1.4567	1.4606	43 L OL	1.4565	1.4571	8 L 2T
40	1.5748	1.5744	1.5748	1.5763		1.5748	1.5772		1.5748	1.5787		1.5746	1.5752	
42	1.6535	1.6531	1.6535	1.6550		1.6535	1.6559		1.6535	1.6574		1.6533	1.6539	
47	1.8504	1.8500	1.8504	1.8519		1.8504	1.8528		1.8504	1.8543		1.8502	1.8508	
52	2.0472	2.0467	2.0472	2.0490		2.0472	2.0501		2.0472	2.0519		2.0470	2.0477	
55	2.1654	2.1649	2.1654	2.1672		2.1654	2.1683		2.1654	2.1701		2.1652	2.1659	
62	2.4409	2.4404	2.4409	2.4427		2.4409	2.4438		2.4409	2.4456		2.4407	2.4414	
68	2.6772	2.6767	2.6772	2.6790	23 L OL	2.6772	2.6801	34 L OL	2.6772	2.6819	52 L OL	2.6770	2.6777	10 L 2T
72	2.8346	2.8341	2.8346	2.8364		2.8346	2.8375		2.8346	2.8393		2.8344	2.8351	
75	2.9527	2.9522	2.9527	2.9545		2.9527	2.9556		2.9527	2.9574		2.9525	2.9532	
80	3.1496	3.1491	3.1496	3.1514		3.1496	3.1525		3.1496	3.1543		3.1494	3.1501	
85	3.3465	3.3459	3.3465	3.3486		3.3465	3.3499		3.3465	3.3520		3.3463	3.3471	
90	3.5433	3.5427	3.5433	3.5454		3.5433	3.5467		3.5433	3.5488		3.5431	3.5439	
95	3.7402	3.7396	3.7402	3.7423	27 L OL	3.7402	3.7436	40 L OL	3.7402	3.7457	61 L OL	3.7400	3.7408	12 L 2T
100	3.9370	3.9364	3.9370	3.9391		3.9370	3.9404		3.9370	3.9425		3.9368	3.9376	
110	4.3307	4.3301	4.3307	4.3328		4.3307	4.3341		4.3307	4.3362		4.3305	4.3313	
115	4.5276	4.5270	4.5276	4.5297		4.5276	4.5310		4.5276	4.5331		4.5274	4.5282	
120	4.7244	4.7238	4.7244	4.7265		4.7244	4.7278		4.7244	4.7299		4.7242	4.7250	
125	4.9213	4.9206	4.9213	4.9238		4.9213	4.9252		4.9213	4.9276		4.9210	4.9220	
130	5.1181	5.1174	5.1181	5.1206		5.1181	5.1220		5.1181	5.1244		5.1178	5.1188	
140	5.5118	5.5111	5.5118	5.5143	32 L OL	5.5118	5.5157	46 L OL	5.5118	5.5181	70 L OL	5.5115	5.5125	14 L 3T
145	5.7087	5.7080	5.7087	5.7112		5.7087	5.7126		5.7087	5.7150		5.7084	5.7094	
150	5.9055	5.9048	5.9055	5.9080		5.9055	5.9094		5.9055	5.9118		5.9052	5.9062	
160	6.2992	6.2982	6.2992	6.3017		6.2992	6.3031		6.2992	6.3055		6.2989	6.2999	
165	6.4961	6.4951	6.4961	6.4986	35 L OL	6.4961	6.5000	49 L OL	6.4961	6.5024	73 L OL	6.4958	6.4968	17 L 3T
170	6.6929	6.6919	6.6929	6.6954		6.6929	6.6968		6.6929	6.6992		6.6926	6.6936	
180	7.0866	7.0856	7.0866	7.0891		7.0866	7.0905		7.0866	7.0929		7.0863	7.0873	
190	7.4803	7.4791	7.4803	7.4831		7.4803	7.4848		7.4803	7.4876		7.4800	7.4812	
200	7.8740	7.8728	7.8740	7.8768		7.8740	7.8785		7.8740	7.8813		7.8737	7.8749	
210	8.2677	8.2665	8.2677	8.2705		8.2677	8.2722		8.2677	8.2750		8.2674	8.2686	
215	8.4646	8.4634	8.4646	8.4674		8.4646	8.4691		8.4646	8.4719		8.4643	8.4655	
220	8.6614	8.6602	8.6614	8.6642	40 L OL	8.6614	8.6659	57 L OL	8.6614	8.6687	85 L OL	8.6611	8.6623	21 L 3T
225	8.8583	8.8571	8.8583	8.8611		8.8583	8.8628		8.8583	8.8656		8.8580	8.8592	
230	9.0551	9.0539	9.0551	9.0579		9.0551	9.0596		9.0551	9.0624		9.0548	9.0560	
240	9.4488	9.4476	9.4488	9.4516		9.4488	9.4533		9.4488	9.4561		9.4485	9.4497	
250	9.8425	9.8413	9.8425	9.8453		9.8425	9.8470		9.8425	9.8498		9.8422	9.8434	

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

## Housing tolerances and resultant fits (inch)

Bearing outside diameter D	max		min		Resultant fits		Tolerance classes		H8		H9		H10		J6	
					Housing bore	Fit <sup>1)</sup>	Housing bore	Fit <sup>1)</sup>	Housing bore	Fit <sup>1)</sup>	Housing bore	Fit <sup>1)</sup>				
mm	in.			in.		in.		in.		in.		in.		in.		
260	10.2362	10.2348	10.2362	10.2394			10.2362	10.2413			10.2362	10.2445			10.2359	10.2372
270	10.6299	10.6285	10.6299	10.6331			10.6299	10.6350			10.6299	10.6382			10.6296	10.6309
280	11.0236	11.0222	11.0236	11.0268	46 L		11.0236	11.0287	65 L		11.0236	11.0319	97 L		11.0233	11.0246
290	11.4173	11.4159	11.4173	11.4205	0 L		11.4173	11.4224	0 L		11.4173	11.4256	0 L		11.4170	11.4183
300	11.8110	11.8096	11.8110	11.8142			11.8110	11.8161			11.8110	11.8193			11.8107	11.8120
310	12.2047	12.2033	12.2047	12.2079			12.2047	12.2098			12.2047	12.2130			12.2044	12.2057
320	12.5984	12.5968	12.5984	12.6019			12.5984	12.6039			12.5984	12.6075			12.5981	12.5995
340	13.3858	13.3842	13.3858	13.3893			13.3858	13.3913			13.3858	13.3949			13.3855	13.3869
360	14.1732	14.1716	14.1732	14.1767	51 L		14.1732	14.1787	71 L		14.1732	14.1823	107 L		14.1729	14.1743
370	14.5669	14.5654	14.5670	14.5705	0 L		14.5669	14.5724	0 L		14.5669	14.5761	0 L		14.5666	14.5681
380	14.9606	14.9590	14.9606	14.9641			14.9606	14.9661			14.9606	14.9697			14.9603	14.9617
400	15.7480	15.7464	15.7480	15.7515			15.7480	15.7535			15.7480	15.7571			15.7477	15.7491
420	16.5354	16.5336	16.5354	16.5392			16.5354	16.5415			16.5354	16.5452			16.5351	16.5367
440	17.3228	17.3210	17.3228	17.3266	56 L		17.3228	17.3289	79 L		17.3228	17.3326	116 L		17.3225	17.3241
460	18.1102	18.1084	18.1102	18.1140	0 L		18.1102	18.1163	0 L		18.1102	18.1200	0 L		18.1099	18.1115
480	18.8976	18.8958	18.8976	18.9014			18.8976	18.9037			18.8976	18.9074			18.8973	18.8989
500	19.6850	19.6832	19.6850	19.6888			19.6850	19.6911			19.6850	19.6948			19.6847	19.6863
520	20.4724	20.4704	20.4724	20.4767			20.4724	20.4793			20.4724	20.4834			20.4721	20.4739
540	21.2598	21.2578	21.2598	21.2641			21.2598	21.2667			21.2598	21.2708			21.2595	21.2613
560	22.0472	22.0452	22.0472	22.0515	63 L		22.0472	22.0541	89 L		22.0472	22.0582	130 L		22.0469	22.0487
580	22.8346	22.8326	22.8346	22.8389	0 L		22.8346	22.8415	0 L		22.8346	22.8456	0 L		22.8343	22.8361
600	23.6220	23.6200	23.6220	23.6263			23.6220	23.6289			23.6220	23.6330			23.6217	23.6235
620	24.4094	24.4074	24.4094	24.4137			24.4094	24.4163			24.4094	24.4204			24.4091	24.4109
650	25.5906	25.5876	25.5906	25.5955			25.5906	25.5985			25.5906	25.6032			25.5902	25.5922
670	26.3780	26.3750	26.3780	26.3829			26.3780	26.3859			26.3780	26.3906			26.3776	26.3796
680	26.7717	26.7687	26.7717	26.7766			26.7717	26.7796			26.7717	26.7843			26.7713	26.7733
700	27.5591	27.5561	27.5591	27.5640			27.5591	27.5670			27.5591	27.5717			27.5587	27.5607
720	28.3465	28.3435	28.3465	28.3514	79 L		28.3465	28.3544	109 L		28.3465	28.3591	156 L		28.3461	28.3481
750	29.5276	29.5246	29.5276	29.5325	0 L		29.5276	29.5355	0 L		29.5276	29.5402	0 L		29.5272	29.5292
760	29.9213	29.9183	29.9213	29.9262			29.9213	29.9292			29.9213	29.9339			29.9209	29.9229
780	30.7087	30.7057	30.7087	30.7136			30.7087	30.7166			30.7087	30.7213			30.7083	30.7103
790	31.1024	31.0994	31.1024	31.1073			31.1024	31.1103			31.1024	31.1150			31.1020	31.1040
800	31.4961	31.4931	31.4961	31.5010			31.4961	31.5040			31.4961	31.5087			31.4957	31.4968
820	32.2835	32.2796	32.2835	32.2890			32.2835	32.2926			32.2835	32.2977			32.2831	32.2853
830	32.6772	32.6733	32.6772	32.6827			32.6772	32.6863			32.6772	32.6914			32.6768	32.6790
850	33.4646	33.4607	33.4646	33.4701			33.4646	33.4737			33.4646	33.4788			33.4642	33.4664
870	34.2520	34.2481	34.2520	34.2575	94 L		34.2520	34.2611	130 L		34.2520	34.2662	181 L		34.2516	34.2538
920	36.2205	36.2166	36.2205	36.2260	0 L		36.2205	36.2296	0 L		36.2205	36.2347	0 L		36.2201	36.2223
950	37.4016	37.3977	37.4016	37.4071			37.4016	37.4107			37.4016	37.4158			37.4012	37.4034
980	38.5827	38.5788	38.5827	38.5882			38.5827	38.5918			38.5827	38.5969			38.5823	38.5845
1000	39.3701	39.3662	39.3701	39.3756			39.3701	39.3792			39.3701	39.3843			-	-
1150	45.2756	45.2707	45.2756	45.2821	114 L		45.2756	45.2858	151 L		45.2756	45.2921	214 L		-	-
1250	49.2126	49.2077	49.2126	49.2191	0 L		49.2126	49.2228	0 L		49.2126	49.2291	0 L		-	-
1400	55.1181	55.1118	55.1181	55.1258	140 L		55.1181	55.1303	185 L		55.1181	55.1378	260 L		-	-
1600	62.9921	62.9858	62.9921	62.9998	0 L		62.9921	63.0043	0 L		62.9921	63.0118	0 L		-	-

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Bearing outside diameter		Resultant fits		Tolerance classes		J5		K5		K6		Fit <sup>1)</sup>	
	max	min	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>
mm	in.		in.		-	in.		-	in.		-	in.		-
16	0.6299	0.6296	0.6296	0.6303	7L 3T	0.6297	0.6301	2T 5L	0.6297	0.6300	4L 2T	0.6295	0.6300	4L 4T
19	0.7480	0.7476	0.7476	0.7485		0.7478	0.7481		0.7477	0.7480		0.7476	0.7481	
22	0.8661	0.8657	0.8657	0.8666		0.8659	0.8662		0.8658	0.8661		0.8657	0.8662	
24	0.9449	0.9445	0.9445	0.9454	9L	0.9447	0.9450	2T	0.9446	0.9449	4L	0.9445	0.9450	5L
26	1.0236	1.0232	1.0232	1.0241	4T	1.0234	1.0237	5L	1.0233	1.0236	3T	1.0232	1.0237	4T
28	1.1024	1.1020	1.1020	1.1029		1.1022	1.1025		1.1021	1.1024		1.1020	1.1025	
30	1.1811	1.1807	1.1807	1.1816		1.1809	1.1812		1.1808	1.1811		1.1807	1.1812	
32	1.2598	1.2594	1.2594	1.2604		1.2596	1.2600		1.2594	1.2599		1.2593	1.2599	
35	1.3780	1.3776	1.3776	1.3786		1.3778	1.3782		1.3776	1.3781		1.3775	1.3781	
37	1.4567	1.4563	1.4563	1.4573	10L	1.4565	1.4569	2T	1.4563	1.4568	5L	1.4562	1.4568	5L
40	1.5748	1.5744	1.5744	1.5754	4T	1.5746	1.5750	6L	1.5744	1.5749	4T	1.5743	1.5749	5T
42	1.6535	1.6531	1.6531	1.6541		1.6533	1.6537		1.6531	1.6536		1.6530	1.6536	
47	1.8504	1.8500	1.8500	1.8510		1.8502	1.8506		1.8500	1.8505		1.8499	1.8505	
52	2.0472	2.0467	2.0467	2.0479		2.0469	2.0475		2.0468	2.0473		2.0466	2.0474	
55	2.1654	2.1649	2.1649	2.1661		2.1651	2.1657		2.1650	2.1655		2.1648	2.1656	
62	2.4409	2.4404	2.4404	2.4416		2.4406	2.4412		2.4405	2.4410		2.4403	2.4411	
68	2.6772	2.6767	2.6767	2.6779	12L 5T	2.6769	2.6775	3T 8L	2.6768	2.6773	6L 4T	2.6766	2.6774	7L 6T
72	2.8346	2.8341	2.8341	2.8353		2.8343	2.8349		2.8342	2.8347		2.8340	2.8348	
75	2.9527	2.9522	2.9522	2.9534		2.9524	2.9530		2.9523	2.9528		2.9521	2.9529	
80	3.1496	3.1491	3.1491	3.1503		3.1493	3.1499		3.1492	3.1497		3.1490	3.1498	
85	3.3465	3.3459	3.3460	3.3474		3.3462	3.3468		3.3460	3.3466		3.3458	3.3467	
90	3.5433	3.5427	3.5428	3.5442		3.5430	3.5436		3.5428	3.5434		3.5426	3.5435	
95	3.7402	3.7396	3.7397	3.7411	15L 5T	3.7399	3.7405	3T	3.7397	3.7403	7L 5T	3.7395	3.7404	8L 7T
100	3.9370	3.9364	3.9365	3.9379		3.9367	3.9373	9L	3.9365	3.9371		3.9363	3.9372	
110	4.3307	4.3301	4.3302	4.3316		4.3304	4.3310		4.3302	4.3308		4.3300	4.3309	
115	4.5276	4.5270	4.5271	4.5285		4.5273	4.5279		4.5271	4.5277		4.5269	4.5278	
120	4.7244	4.7238	4.7239	4.7253		4.7241	4.7247		4.7239	4.7245		4.7237	4.7246	
125	4.9213	4.9206	4.9207	4.9223		4.9209	4.9217		4.9207	4.9214		4.9205	4.9215	
130	5.1181	5.1174	5.1175	5.1191	17L 6T	5.1177	5.1185	4T	5.1175	5.1182	8L 6T	5.1173	5.1183	9L 8T
140	5.5118	5.5111	5.5112	5.5128		5.5114	5.5122	11L	5.5112	5.5119		5.5110	5.5120	
145	5.7087	5.7080	5.7081	5.7097		5.7083	5.7091		5.7081	5.7088		5.7079	5.7089	
150	5.9055	5.9048	5.9049	5.9065		5.9051	5.9059		5.9049	5.9056		5.9047	5.9057	
160	6.2992	6.2982	6.2986	6.3002	20L 6T	6.2988	6.2995	4T	6.2986	6.2993	11L 6T	6.2984	6.2994	12L 8T
165	6.4961	6.4951	6.4955	6.4971		6.4957	6.4964	13L	6.4955	6.4962		6.4953	6.4963	
170	6.6929	6.6919	6.6923	6.6939		6.6925	6.6932		6.6923	6.6930		6.6921	6.6931	
180	7.0866	7.0856	7.0860	7.0876		7.0862	7.0869		7.0860	7.0867		7.0858	7.0868	
190	7.4803	7.4791	7.4797	7.4815		7.4799	7.4807		7.4796	7.4804		7.4794	7.4805	
200	7.8740	7.8728	7.8734	7.8752		7.8736	7.8744		7.8733	7.8741		7.8731	7.8742	
210	8.2677	8.2665	8.2671	8.2689		8.2673	8.2681		8.2670	8.2678		8.2668	8.2679	
215	8.4646	8.4634	8.4640	8.4658	24L 6T	8.4642	8.4650	4T	8.4639	8.4647	13L 7T	8.4637	8.4648	14L 9T
220	8.6614	8.6602	8.6608	8.6626		8.6610	8.6618	16L	8.6607	8.6615		8.6605	8.6616	
225	8.8583	8.8571	8.8577	8.8595		8.8579	8.8587		8.8576	8.8584		8.8574	8.8585	
230	9.0551	9.0539	9.0545	9.0563		9.0547	9.0555		9.0544	9.0552		9.0542	9.0553	
240	9.4488	9.4476	9.4482	9.4500		9.4484	9.4492		9.4481	9.4489		9.4479	9.4490	
250	9.8425	9.8413	9.8419	9.8437		9.8421	9.8429		9.8418	9.8426		9.8416	9.8427	

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

## Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Bearing outside diameter		Resultant fits Tolerance classes J7		J5		K5		K6		Fit <sup>1)</sup>		
					Housing bore		Housing bore		Housing bore				
	max	min	max	min	max	min	max	min	max	min	max	min	
mm	in.	in.		–	in.	–	in.	–	in.	–	in.	–	
260	10.2362	10.2348	10.2356	10.2376		10.2357	10.2366		10.2354	10.2363		10.2351	10.2364
270	10.6299	10.6285	10.6293	10.6313		10.6294	10.6303		10.6291	10.6300		10.6288	10.6301
280	11.0236	11.0222	11.0230	11.0250	28 L	11.0231	11.0240	5 T	11.0228	11.0237	15 L	11.0225	11.0238
290	11.4173	11.4159	11.4167	11.4187	6 T	11.4168	11.4177	18 L	11.4165	11.4174	8 T	11.4162	11.4175
300	11.8110	11.8096	11.8104	11.8124		11.8105	11.8114		11.8102	11.8111		11.8099	11.8112
310	12.2047	12.2033	12.2041	12.2061		12.2042	12.2051		12.2039	12.2048		12.2036	12.2049
320	12.5984	12.5968	12.5977	12.5997		12.5979	12.5989		12.5975	12.5985		12.5973	12.5986
340	13.3858	13.3842	13.3851	13.3873		13.3853	13.3863		13.3849	13.3859		13.3847	13.3860
360	14.1732	14.1716	14.1725	14.1747	31 L	14.1727	14.1737	5 T	14.1723	14.1733	17 L	14.1721	14.1734
370	14.5669	14.5654	14.5662	14.5685	7 T	14.5664	14.5675	21 L	14.5660	14.5670	9 T	14.5658	14.5672
380	14.9606	14.9590	14.9599	14.9621		14.9601	14.9611		14.9597	14.9607		14.9595	14.9608
400	15.7480	15.7464	15.7473	15.7495		15.7475	15.7485		15.7471	15.7481		15.7469	15.7482
420	16.5354	16.5336	16.5346	16.5371		16.5349	16.5359		16.5344	16.5355		16.5341	16.5356
440	17.3228	17.3210	17.3220	17.3245	35 L	17.3223	17.3233	5 T	17.3218	17.3229	19 L	17.3215	17.3230
460	18.1102	18.1084	18.1094	18.1119	8 T	18.1097	18.1107	23 L	18.1092	18.1103	10 T	18.1089	18.1104
480	18.8976	18.8958	18.8968	18.8993		18.8971	18.8981		18.8966	18.8977		18.8963	18.8978
500	19.6850	19.6832	19.6842	19.6867		19.6845	19.6855		19.6840	19.6851		19.6837	19.6852
520	20.4724	20.4704	20.4715	20.4743		–	–		–	–		20.4707	20.4724
540	21.2598	21.2578	21.2589	21.2617		–	–		–	–		21.2581	21.2598
560	22.0472	22.0452	22.0463	22.0491	39 L	–	–	–	–	–	–	22.0455	22.0472
580	22.8346	22.8326	22.8337	22.8365	9 T	–	–	–	–	–	–	22.8329	22.8346
600	23.6220	23.6200	23.6211	23.6239		–	–	–	–	–	–	23.6203	23.6220
620	24.4094	24.4074	24.4085	24.4113		–	–	–	–	–	–	24.4077	24.4094
650	25.5906	25.5876	25.5897	25.5928		–	–	–	–	–	–	25.5886	25.5906
670	26.3780	26.3750	26.3771	26.3802		–	–	–	–	–	–	26.3760	26.3780
680	26.7717	26.7687	26.7708	26.7739		–	–	–	–	–	–	26.7697	26.7717
700	27.5591	27.5561	27.5582	27.5613		–	–	–	–	–	–	27.5571	27.5591
720	28.3465	28.3435	28.3456	28.3487	52 L	–	–	–	–	–	–	28.3445	28.3465
750	29.5276	29.5246	29.5267	29.5298	9 T	–	–	–	–	–	–	29.5256	29.5276
760	29.9213	29.9183	29.9204	29.9235		–	–	–	–	–	–	29.9193	29.9213
780	30.7087	30.7057	30.7078	30.7109		–	–	–	–	–	–	30.7067	30.7087
790	31.1024	31.0994	31.1015	31.1046		–	–	–	–	–	–	31.1004	31.1024
800	31.4961	31.4931	31.4952	31.4974		–	–	–	–	–	–	31.4941	31.4952
820	32.2835	32.2796	32.2825	32.2860		–	–	–	–	–	–	32.2813	32.2835
830	32.6772	32.6733	32.6762	32.6797		–	–	–	–	–	–	32.6750	32.6772
850	33.4646	33.4607	33.4636	33.4671		–	–	–	–	–	–	33.4624	33.4646
870	34.2520	34.2481	34.2510	34.2545	64 L	–	–	–	–	–	–	34.2498	34.2520
920	36.2205	36.2166	36.2195	36.2230	10 T	–	–	–	–	–	–	36.2183	36.2205
950	37.4016	37.3977	37.4006	37.4041		–	–	–	–	–	–	37.3994	37.4016
980	38.5827	38.5788	38.5817	38.5852		–	–	–	–	–	–	38.5805	38.5827
1000	39.3701	39.3662	–	–		–	–	–	–	–	–	–	–
1150	45.2756	45.2707	–	–	–	–	–	–	–	–	–	–	–
1250	49.2126	49.2077	–	–	–	–	–	–	–	–	–	–	–
1400	55.1181	55.1118	–	–	–	–	–	–	–	–	–	–	–
1600	62.9921	62.9858	–	–	–	–	–	–	–	–	–	–	–

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Bearing outside diameter		Resultant fits Tolerance classes		M5		M6		M7		Fit <sup>1)</sup>			
	max	min	Housing bore max	min	Housing bore max	min	Housing bore max	min	Housing bore max	min				
mm	in.		in.		in.		in.		in.					
16	0.6299	0.6296	0.6294	0.6301	5L 5T	0.6294	0.6298	2L 5T	0.6293	0.6297	1L 6T	0.6292	0.6299	3L 7T
19	0.7480	0.7476	0.7474	0.7482		0.7474	0.7478		0.7473	0.7478		0.7472	0.7480	
22	0.8661	0.8657	0.8655	0.8663		0.8655	0.8659		0.8654	0.8659		0.8653	0.8661	
24	0.9449	0.9445	0.9443	0.9451	6L	0.9443	0.9447	2L	0.9442	0.9447	2L	0.9441	0.9449	4L
26	1.0236	1.0232	1.0230	1.0238	6T	1.0230	1.0234	6T	1.0229	1.0234	7T	1.0228	1.0236	8T
28	1.1024	1.1020	1.1018	1.1026		1.1018	1.1022		1.1017	1.1022		1.1016	1.1024	
30	1.1811	1.1807	1.1805	1.1813		1.1805	1.1809		1.1804	1.1809		1.1803	1.1811	
32	1.2598	1.2594	1.2591	1.2601		1.2592	1.2596		1.2590	1.2596		1.2588	1.2598	
35	1.3780	1.3776	1.3773	1.3783		1.3774	1.3778		1.3772	1.3778		1.3770	1.3780	
37	1.4567	1.4563	1.4560	1.4570	7L	1.4561	1.4565	2L	1.4559	1.4565	2L	1.4557	1.4567	4L
40	1.5748	1.5744	1.5741	1.5751	7T	1.5742	1.5746	6T	1.5740	1.5746	8T	1.5738	1.5748	10T
42	1.6535	1.6531	1.6528	1.6538		1.6529	1.6533		1.6527	1.6533		1.6525	1.6535	
47	1.8504	1.8500	1.8497	1.8507		1.8498	1.8502		1.8496	1.8502		1.8494	1.8504	
52	2.0472	2.0467	2.0464	2.0476		2.0465	2.0470		2.0463	2.0470		2.0460	2.0472	
55	2.1654	2.1649	2.1646	2.1658		2.1647	2.1652		2.1645	2.1652		2.1642	2.1654	
62	2.4409	2.4404	2.4401	2.4413		2.4402	2.4407		2.4400	2.4407		2.4397	2.4409	
68	2.6772	2.6767	2.6764	2.6776	9L	2.6765	2.6770	3L	2.6763	2.6770	3L	2.6760	2.6772	5L
72	2.8346	2.8341	2.8338	2.8350	8T	2.8339	2.8344	7T	2.8337	2.8344	3T	2.8334	2.8346	12T
75	2.9527	2.9522	2.9519	2.9531		2.9520	2.9525		2.9518	2.9525		2.9516	2.9527	
80	3.1496	3.1491	3.1488	3.1500		3.1489	3.1494		3.1487	3.1494		3.1484	3.1496	
85	3.3465	3.3459	3.3455	3.3469		3.3456	3.3462		3.3454	3.3463		3.3451	3.3465	
90	3.5433	3.5427	3.5423	3.5437		3.5424	3.5430		3.5422	3.5431		3.5419	3.5433	
95	3.7402	3.7396	3.7392	3.7406		3.7393	3.7399		3.7391	3.7400		3.7388	3.7402	
100	3.9370	3.9364	3.9360	3.9374	10L	3.9361	3.9367	3L	3.9359	3.9368	4L	3.9356	3.9370	6L
110	4.3307	4.3301	4.3297	4.3311	10T	4.3298	4.3304	9T	4.3296	4.3305	11T	4.3293	4.3307	14T
115	4.5276	4.5270	4.5266	4.5280		4.5267	4.5273		4.5265	4.5274		4.5262	4.5276	
120	4.7244	4.7238	4.7234	4.7248		4.7235	4.7241		4.7233	4.7242		4.7230	4.7244	
125	4.9213	4.9206	4.9202	4.9218		4.9202	4.9210		4.9200	4.9210		4.9197	4.9213	
130	5.1181	5.1174	5.1170	5.1186		5.1170	5.1178		5.1168	5.1178		5.1165	5.1181	
140	5.5118	5.5111	5.5107	5.5123	12L	5.5107	5.5115	4L	5.5105	5.5115	4L	5.5102	5.5118	7L
145	5.7087	5.7080	5.7076	5.7092	11T	5.7076	5.7084	11T	5.7074	5.7084	13T	5.7071	5.7087	16T
150	5.9055	5.9048	5.9044	5.9060		5.9044	5.9052		5.9042	5.9052		5.9039	5.9055	
160	6.2992	6.2982	6.2981	6.2997		6.2981	6.2988		6.2979	6.2989		6.2976	6.2992	
165	6.4961	6.4951	6.4950	6.4966	15L	6.4950	6.4957	6L	6.4948	6.4958	7L	6.4945	6.4961	10L
170	6.6929	6.6919	6.6918	6.6934	11T	6.6918	6.6925	11T	6.6916	6.6926	13T	6.6913	6.6929	16T
180	7.0866	7.0856	7.0855	7.0871		7.0855	7.0862		7.0853	7.0863		7.0850	7.0866	
190	7.4803	7.4791	7.4790	7.4808		7.4791	7.4798		7.4788	7.4800		7.4785	7.4803	
200	7.8740	7.8728	7.8727	7.8745		7.8728	7.8735		7.8725	7.8737		7.8722	7.8740	
210	8.2677	8.2665	8.2664	8.2682		8.2665	8.2672		8.2662	8.2674		8.2659	8.2677	
215	8.4646	8.4634	8.4633	8.4651		8.4634	8.4641		8.4631	8.4643		8.4628	8.4646	
220	8.6614	8.6602	8.6601	8.6619	17L	8.6602	8.6609	7L	8.6599	8.6611	9L	8.6596	8.6614	12L
225	8.8583	8.8571	8.8570	8.8588	13T	8.8571	8.8578	12T	8.8568	8.8580	15T	8.8565	8.8583	18T
230	9.0551	9.0539	9.0538	9.0556		9.0539	9.0546		9.0536	9.0548		9.0533	9.0551	
240	9.4488	9.4476	9.4475	9.4493		9.4476	9.4483		9.4473	9.4485		9.4470	9.4488	
250	9.8425	9.8413	9.8412	9.8430		9.8413	9.8420		9.8410	9.8422		9.8407	9.8425	

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

## Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Bearing outside diameter		Resultant fits Tolerance classes		K7 Housing bore max	Fit <sup>1)</sup>	M5 Housing bore		Fit <sup>1)</sup>	M6 Housing bore		Fit <sup>1)</sup>	M7 Housing bore		Fit <sup>1)</sup>
	max	min	max	min			max	min		max	min		max	min	
mm	in.		in.		–	in.	–	in.	–	in.	–	in.	–		
260	10.2362	10.2348	10.2348	10.2368			10.2348	10.2357		10.2346	10.2364		10.2342	10.2362	
270	10.6299	10.6285	10.6285	10.6305			10.6285	10.6294		10.6283	10.6301		10.6279	10.6299	
280	11.0236	11.0222	11.0222	11.0242	20 L		11.0222	11.0231	9 L	11.0220	11.0238	10 L	11.0216	11.0236	14 L
290	11.4173	11.4159	11.4159	11.4179	14 T		11.4159	11.4168	14 T	11.4157	11.4175	16 T	11.4153	11.4173	20 T
300	11.8110	11.8096	11.8096	11.8116			11.8096	11.8105		11.8094	11.8112		11.8090	11.8110	
310	12.2047	12.2033	12.2033	12.2053			12.2033	12.2042		12.2031	12.2049		12.2027	12.2047	
320	12.5984	12.5968	12.5968	12.5991			12.5969	12.5978		12.5966	12.5986		12.5962	12.5984	
340	13.3858	13.3842	13.3842	13.3865			13.3843	13.3852		13.3840	13.3860		13.3836	13.3858	
360	14.1732	14.1716	14.1716	14.1739	23 L		14.1717	14.1726	10 L	14.1714	14.1734	12 L	14.1710	14.1732	16 L
370	14.5669	14.5654	14.5653	14.5677	16 T		14.5654	14.5664	15 T	14.5651	14.5672	18 T	14.5647	14.5669	22 T
380	14.9606	14.9590	14.9590	14.9613			14.9591	14.9600		14.9588	14.9608		14.9584	14.9606	
400	15.7480	15.7464	15.7464	15.7487			15.7465	15.7474		15.7462	15.7482		15.7458	15.7480	
420	16.5354	16.5336	16.5336	16.5361			16.5337	16.5347		16.5334	16.5356		16.5329	16.5354	
440	17.3228	17.3210	17.3210	17.3235	25 L		17.3211	17.3221	11 L	17.3208	17.3230	14 L	17.3203	17.3228	18 L
460	18.1102	18.1084	18.1084	18.1109	18 T		18.1085	18.1095	17 T	18.1082	18.1104	20 T	18.1077	18.1102	25 T
480	18.8976	18.8958	18.8958	18.8983			18.8959	18.8969		18.8956	18.8978		18.8951	18.8976	
500	19.6850	19.6832	19.6832	19.6857			19.6833	19.6843		19.6830	19.6852		19.6825	19.6850	
520	20.4724	20.4704	20.4696	20.4724		–	–	–		20.4696	20.4714		20.4686	20.4714	
540	21.2598	21.2578	21.2570	21.2598		–	–	–		21.2570	21.2588		21.2560	21.2588	
560	22.0472	22.0452	22.0444	22.0472	20 L	–	–	–	–	22.0444	22.0462	10 L	22.0435	22.0462	10 L
580	22.8346	22.8326	22.8318	22.8346	28 T	–	–	–	–	22.8318	22.8336	28 T	22.8308	22.8336	38 T
600	23.6220	23.6200	23.6192	23.6220		–	–	–		23.6192	23.6210		23.6182	23.6210	
620	24.4094	24.4074	24.4066	24.4094		–	–	–		24.4066	24.4084		24.4056	24.4084	
650	25.5906	25.5876	25.5875	25.5906		–	–	–		25.5875	25.5894		25.5863	25.5894	
670	26.3780	26.3750	26.3749	26.3780		–	–	–		26.3749	26.3768		26.3737	26.3768	
680	26.7717	26.7687	26.7686	26.7717		–	–	–		26.7686	26.7705		26.7674	26.7705	
700	27.5591	27.5561	27.5560	27.5591		–	–	–		27.5560	27.5579		27.5548	27.5579	
720	28.3465	28.3435	28.3434	28.3465	30 L	–	–	–	–	28.3434	28.3453	18 L	28.3422	28.3453	18 L
750	29.5276	29.5246	29.5245	29.5276	31 T	–	–	–	–	29.5245	29.5264	31 T	29.5233	29.5264	43 T
760	29.9213	29.9183	29.9182	29.9213		–	–	–		29.9182	29.9201		29.9169	29.9201	
780	30.7087	30.7057	30.7056	30.7087		–	–	–		30.7056	30.7075		30.7044	30.7075	
790	31.1024	31.0994	31.0993	31.1024		–	–	–		31.0993	31.1012		31.0981	31.1012	
800	31.4961	31.4931	31.4930	31.4962		–	–	–		31.4930	31.4949		31.4917	31.4949	
820	32.2835	32.2796	32.2800	32.2835		–	–	–		32.2800	32.2822		32.2786	32.2822	
830	32.6772	32.6733	32.6737	32.6772		–	–	–		32.6737	32.6759		32.6723	32.6758	
850	33.4646	33.4607	33.4611	33.4646		–	–	–		33.4611	33.4633		33.4597	33.4633	
870	34.2520	34.2481	34.2485	34.2520	39 L	–	–	–	–	34.2485	34.2507	26 L	34.2471	34.2507	26 L
920	36.2205	36.2166	36.2170	36.2205	35 T	–	–	–	–	36.2170	36.2192	35 T	36.2156	36.2192	49 T
950	37.4016	37.3977	37.3981	37.4016		–	–	–		37.3981	37.4003		37.3967	37.4003	
980	38.5827	38.5788	38.5792	38.5827		–	–	–		38.5792	38.5814		38.5778	38.5814	
1000	39.3701	39.3662	–	–		–	–	–		–	–		39.3652	39.3688	
1150	45.2756	45.2707	–	–	–	–	–	–	–	–	–	–	45.2699	45.2740	33 L
1250	49.2126	49.2077	–	–	–	–	–	–	–	–	–	–	49.2069	49.2110	57 T
1400	55.1181	55.1118	–	–	–	–	–	–	–	–	–	–	55.1113	55.1162	44 L
1600	62.9921	62.9858	–	–	–	–	–	–	–	–	–	–	62.9853	62.9902	68 T

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.



Housing tolerances and resultant fits (inch)

Bearing outside diameter D	Bearing outside diameter		Resultant fits		Tolerance classes		N6		N7		P6		P7		Fit <sup>1)</sup>		
	max	min	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>	Housing bore max	Housing bore min	Fit <sup>1)</sup>
mm	in.		in.		-	in.		-	in.		-	in.		-	in.		-
16	0.6299	0.6296	0.6291	0.6295	1T 8T	0.6290	0.6297	1L 9T	0.6289	0.6293	3T 10T	0.6288	0.6295	1T 11T			
19	0.7480	0.7476	0.7471	0.7476		0.7469	0.7477		0.7468	0.7473		0.7466	0.7474				
22	0.8661	0.8657	0.8652	0.8657		0.8650	0.8658		0.8649	0.8654		0.8647	0.8655				
24	0.9449	0.9445	0.9440	0.9445	0T	0.9438	0.9446	1L	0.9437	0.9442	3T	0.9435	0.9443	2T			
26	1.0236	1.0232	1.0227	1.0232	9T	1.0225	1.0233	11T	1.0224	1.0229	12T	1.0222	1.0230	14T			
28	1.1024	1.1020	1.1015	1.1020		1.1013	1.1021		1.1012	1.1017		1.1010	1.1018				
30	1.1811	1.1807	1.1802	1.1807		1.1800	1.1808		1.1799	1.1804		1.1797	1.1805				
32	1.2598	1.2594	1.2587	1.2593		1.2585	1.2595		1.2583	1.2590		1.2581	1.2591				
35	1.3780	1.3776	1.3769	1.3775		1.3767	1.3777		1.3765	1.3772		1.3763	1.3773				
37	1.4567	1.4563	1.4556	1.4562	1T	1.4554	1.4564	1L	1.4552	1.4559	4T	1.4550	1.4560	3T			
40	1.5748	1.5744	1.5737	1.5743	11T	1.5735	1.5745	13T	1.5733	1.5740	15T	1.5731	1.5741	17T			
42	1.6535	1.6531	1.6524	1.6530		1.6522	1.6532		1.6520	1.6527		1.6518	1.6528				
47	1.8504	1.8500	1.8493	1.8499		1.8491	1.8501		1.8489	1.8496		1.8487	1.8497				
52	2.0472	2.0467	2.0459	2.0466		2.0457	2.0468		2.0454	2.0462		2.0452	2.0464				
55	2.1654	2.1649	2.1641	2.1648		2.1639	2.1650		2.1636	2.1644		2.1634	2.1646				
62	2.4409	2.4404	2.4396	2.4403		2.4394	2.4405		2.4391	2.4399		2.4389	2.4401				
68	2.6772	2.6767	2.6759	2.6766	1T	2.6760	2.6770	1L	2.6750	2.6760	5T	2.6752	2.6763	3T			
72	2.8346	2.8341	2.8333	2.8340	13T	2.8331	2.8342	15T	2.8328	2.8336	18T	2.8326	2.8338	20T			
75	2.9527	2.9522	2.9515	2.9522		2.9510	2.9520		2.9510	2.9520		2.9510	2.9519				
80	3.1496	3.1491	3.1483	3.1490		3.1481	3.1492		3.1478	3.1486		3.1476	3.1488				
85	3.3465	3.3459	3.3450	3.3459		3.3447	3.3461		3.3445	3.3453		3.3442	3.3456				
90	3.5433	3.5427	3.5418	3.5427		3.5415	3.5429		3.5413	3.5421		3.5410	3.5424				
95	3.7402	3.7396	3.7387	3.7396	0T	3.7380	3.7400	2L	3.7380	3.7390	6T	3.7378	3.7392	3T			
100	3.9370	3.9364	3.9355	3.9364	15T	3.9352	3.9366	18T	3.9350	3.9358	20T	3.9347	3.9361	23T			
110	4.3307	4.3301	4.3292	4.3301		4.3289	4.3303		4.3287	4.3295		4.3284	4.3298				
115	4.5276	4.5270	4.5261	4.5270		4.5258	4.5272		4.5256	4.5264		4.5253	4.5267				
120	4.7244	4.7238	4.7229	4.7238		4.7226	4.7240		4.7224	4.7232		4.7221	4.7235				
125	4.9213	4.9206	4.9195	4.9205		4.9193	4.9208		4.9189	4.9199		4.9186	4.9202				
130	5.1181	5.1174	5.1163	5.1173		5.1161	5.1176		5.1157	5.1167		5.1154	5.1170				
140	5.5118	5.5111	5.5100	5.5110	1T	5.5098	5.5113	2L	5.5094	5.5104	7T	5.5091	5.5107	4T			
145	5.7087	5.7080	5.7069	5.7079	18T	5.7067	5.7082	20T	5.7063	5.7073	24T	5.7060	5.7076	27T			
150	5.9055	5.9048	5.9037	5.9047		5.9035	5.9050		5.9031	5.9041		5.9028	5.9044				
160	6.2992	6.2982	6.2974	6.2984		6.2972	6.2987		6.2968	6.2978		6.2965	6.2981				
165	6.4961	6.4951	6.4943	6.4953	2L	6.4940	6.4960	5L	6.4940	6.4950	4T	6.4934	6.4950	1T			
170	6.6929	6.6919	6.6911	6.6921	18T	6.6909	6.6924	20T	6.6905	6.6915	24T	6.6902	6.6918	27T			
180	7.0866	7.0856	7.0848	7.0858		7.0846	7.0861		7.0842	7.0852		7.0839	7.0855				
190	7.4803	7.4791	7.4783	7.4794		7.4779	7.4797		7.4775	7.4787		7.4772	7.4790				
200	7.8740	7.8728	7.8720	7.8731		7.8716	7.8734		7.8712	7.8724		7.8709	7.8727				
210	8.2677	8.2665	8.2657	8.2668		8.2653	8.2671		8.2649	8.2661		8.2646	8.2664				
215	8.4646	8.4634	8.4626	8.4637		8.4622	8.4640		8.4618	8.4630		8.4615	8.4633				
220	8.6614	8.6602	8.6594	8.6606		8.6590	8.6610		8.6590	8.6600		8.6583	8.6601				
225	8.8583	8.8571	8.8563	8.8574	3L	8.8559	8.8577	6L	8.8555	8.8567	4T	8.8552	8.8570	1T			
230	9.0551	9.0539	9.0531	9.0543	20T	9.0530	9.0550	24T	9.0520	9.0540	28T	9.0520	9.0538	31T			
240	9.4488	9.4476	9.4468	9.4479		9.4464	9.4482		9.4460	9.4472		9.4457	9.4475				
250	9.8425	9.8413	9.8405	9.8416		9.8401	9.8419		9.8397	9.8409		9.8394	9.8412				

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

## Housing tolerances and resultant fits (inch)

Bearing outside diameter D	max		min		Resultant fits		Tolerance classes		N6		N7		P6		P7	
					Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>	Housing bore max	min	Fit <sup>1)</sup>
mm	in.			in.		–	in.		–	in.		–	in.		–	in.
<b>260</b>	10.2362	10.2348	10.2340	10.2352			10.2336	10.2356		10.2331	10.2343		10.2327	10.2348		
<b>270</b>	10.6299	10.6285	10.6277	10.6289			10.6270	10.6290		10.6270	10.6280		10.6265	10.6285		
<b>280</b>	11.0236	11.0222	11.0214	11.0226	4 L		11.0210	11.0230	8 L	11.0205	11.0217	5 T	11.0201	11.0222	0 T	
<b>290</b>	11.4173	11.4159	11.4151	11.4163	22 T		11.4150	11.4170	26 T	11.4140	11.4150	31 T	11.4139	11.4159	35 T	
<b>300</b>	11.8110	11.8096	11.8088	11.8100			11.8084	11.8104		11.8079	11.8091		11.8075	11.8096		
<b>310</b>	12.2047	12.2033	12.2025	12.2037			12.2021	12.2041		12.2016	12.2028		12.2012	12.2033		
<b>320</b>	12.5984	12.5968	12.5960	12.5974			12.5955	12.5978		12.5950	12.5964		12.5945	12.5968		
<b>340</b>	13.3858	13.3842	13.3834	13.3848			13.3829	13.3852		13.3824	13.3838		13.3819	13.3842		
<b>360</b>	14.1732	14.1716	14.1708	14.1722	6 L		14.1703	14.1726	10 L	14.1698	14.1712	4 T	14.1693	14.1716	0 T	
<b>370</b>	14.5669	14.5654	14.5645	14.5659	24 T		14.5640	14.5660	29 T	14.5640	14.5660	34 T	14.5631	14.5653	39 T	
<b>380</b>	14.9606	14.9590	14.9582	14.9596			14.9577	14.9600		14.9572	14.9586		14.9567	14.9590		
<b>400</b>	15.7480	15.7464	15.7456	15.7470			15.7451	15.7474		15.7446	15.7460		15.7441	15.7464		
<b>420</b>	16.5354	16.5336	16.5328	16.5343			16.5323	16.5347		16.5317	16.5332		16.5311	16.5336		
<b>440</b>	17.3228	17.3210	17.3202	17.3217	7 L		17.3197	17.3221	11 L	17.3191	17.3206	4 T	17.3185	17.3210	0 T	
<b>460</b>	18.1102	18.1084	18.1076	18.1091	26 T		18.1071	18.1095	31 T	18.1065	18.1080	37 T	18.1059	18.1084	43 T	
<b>480</b>	18.8976	18.8958	18.8950	18.8965			18.8945	18.8969		18.8939	18.8954		18.8933	18.8958		
<b>500</b>	19.6850	19.6832	19.6824	19.6839			19.6819	19.6843		19.6813	19.6828		19.6807	19.6832		
<b>520</b>	20.4724	20.4704	20.4689	20.4707			20.4679	20.4707		20.4676	20.4693		20.4666	20.4693		
<b>540</b>	21.2598	21.2578	21.2563	21.2581			21.2553	21.2581		21.2550	21.2567		21.2540	21.2567		
<b>560</b>	22.0472	22.0452	22.0438	22.0455	3 L		22.0430	22.0460	3 L	22.0420	22.0440	11 T	22.0414	22.0442	11 T	
<b>580</b>	22.8346	22.8326	22.8311	22.8329	35 T		22.8301	22.8329	45 T	22.8292	22.8315	48 T	22.8288	22.8315	58 T	
<b>600</b>	23.6220	23.6200	23.6185	23.6203			23.6175	23.6203		23.6172	23.6189		23.6162	23.6189		
<b>620</b>	24.4094	24.4074	24.4059	24.4077			24.4049	24.4077		24.4046	24.4063		24.4036	24.4063		
<b>650</b>	25.5906	25.5876	25.5867	25.5886			25.5855	25.5886		25.5852	25.5871		25.5840	25.5871		
<b>670</b>	26.3780	26.3750	26.3741	26.3760			26.3729	26.3760		26.3726	26.3745		26.3714	26.3745		
<b>680</b>	26.7717	26.7687	26.7678	26.7697			26.7666	26.7697		26.7663	26.7682		26.7651	26.7682		
<b>700</b>	27.5591	27.5561	27.5552	27.5571			27.5540	27.5571		27.5537	27.5556		27.5525	27.5556		
<b>720</b>	28.3465	28.3435	28.3426	28.3445	10 L		28.3414	28.3445	10 L	28.3411	28.3430	5 T	28.3399	28.3430	5 T	
<b>750</b>	29.5276	29.5246	29.5237	29.5256	39 T		29.5225	29.5256	51 T	29.5222	29.5241	54 T	29.5210	29.5241	66 T	
<b>760</b>	29.9213	29.9183	29.9173	29.9193			29.9160	29.9190		29.9160	29.9180		29.9146	29.9178		
<b>780</b>	30.7087	30.7057	30.7048	30.7067			30.7036	30.7077		30.7033	30.7052		30.7021	30.7052		
<b>790</b>	31.1024	31.0994	31.0985	31.1004			31.0973	31.1004		31.0970	31.0989		31.0958	31.0989		
<b>800</b>	31.4961	31.4931	31.4921	31.4941			31.4910	31.4940		31.4910	31.4930		31.4894	31.4926		
<b>820</b>	32.2835	32.2796	32.2791	32.2813			32.2778	32.2813		32.2774	32.2796		32.2760	32.2796		
<b>830</b>	32.6772	32.6733	32.6728	32.6750			32.6710	32.6750		32.6710	32.6730		32.6697	32.6732		
<b>850</b>	33.4646	33.4607	33.4602	33.4624			33.4589	33.4624		33.4585	33.4607		33.4571	33.4607		
<b>870</b>	34.2520	34.2481	34.2476	34.2498	17 L		34.2463	34.2498	17 L	34.2459	34.2481	0 T	34.2445	34.2481	0 T	
<b>920</b>	36.2205	36.2166	36.2161	36.2183	44 T		36.2148	36.2183	57 T	36.2144	36.2166	61 T	36.2130	36.2166	75 T	
<b>950</b>	37.4016	37.3977	37.3972	37.3994			37.3959	37.3994		37.3955	37.3977		37.3941	37.3977		
<b>980</b>	38.5827	38.5788	38.5783	38.5805			38.5770	38.5805		38.5766	38.5788		38.5752	38.5788		
<b>1000</b>	39.3701	39.3662	39.3657	39.3679			39.3644	39.3679		39.3640	39.3662		39.3626	39.3662		
<b>1150</b>	45.2756	45.2707	45.2704	45.2730	23 L		45.2689	45.2730	23 L	45.2683	45.2709	2 L	45.2667	45.2709	2 L	
<b>1250</b>	49.2126	49.2077	49.2074	49.2100	52 T		49.2059	49.2100	67 T	49.2053	49.2079	73 T	49.2037	49.2079	89 T	
<b>1400</b>	55.1181	55.1118	55.1120	55.1150	32 L		55.1101	55.1150	32 L	55.1095	55.1126	8 L	55.1077	55.1126	8 L	
<b>1600</b>	62.9921	62.9858	62.9860	62.9890	61 T		62.9841	62.9890	80 T	62.9835	62.9866	86 T	62.9817	62.9866	104 T	

<sup>1)</sup> Resultant fit in 0.0001 in. L indicates a clearance (loose) fit, T indicates an interference (tight) fit.

Modified shaft diameter deviations for use with inch bearings

Nominal diameter Shaft seat Bearing bore over incl.		Modified deviations for fits with clearance/interference according to tolerance class:											
		g6		h6		j5		j6		js6		k5	
mm	mm	high	low	high	low	high	low	high	low	high	low	high	low
		µm											
10	18	+2	-4	+8	+2	-13	+10	+16	+10	+14	+7	+17	+14
18	30	+3	-7	+10	0	+15	+9	+19	+9	+17	+6	+21	+15
30	50	+3	-12	+12	-3	+18	+8	+23	+8	+20	+5	+25	+15
50	76,2	+5	-16	+15	-6	+21	+6	+27	+6	+25	+3	+30	+15
76,2	80	+5	-4	+15	+6	+21	+18	+27	+18	+25	+15	+30	+27
80	120	+8	-9	+20	+3	+26	+16	+33	+16	+31	+14	+38	+28
120	180	+11	-14	+25	0	+32	+14	+39	+14	+38	+12	+46	+28
180	250	+15	-19	+30	-4	+37	+12	+46	+12	+45	+10	+54	+29
250	304,8	+18	-24	+35	-7	+42	+9	+51	+9	+51	+9	+62	+29
304,8	315	+18	+2	+35	+19	+42	+35	+51	+35	+51	+35	+62	+55
315	400	+22	-3	+40	+15	+47	+33	+58	+33	+58	+33	+69	+55
400	500	+25	-9	+45	+11	+52	+31	+65	+31	+65	+31	+77	+56
500	609,6	+28	-15	+50	+7	-	-	+72	+29	+72	+29	+78	+51
609,6	630	+28	+10	+50	+32	-	-	+72	+54	+72	+54	+78	+76
630	800	+51	+2	+75	+26	-	-	+100	+51	+100	+51	+107	+76
800	914,4	+74	-6	+100	+20	-	-	+128	+48	+128	+48	+136	+76
914,4	1000	+74	+20	+100	+46	-	-	+128	+74	+128	+74	+136	+102
1000	1219,2	+97	+8	+125	+36	-	-	+158	+69	+158	+69	+167	+102

Nominal diameter Shaft seat Bearing bore over incl.		Modified deviations for fits with clearance/interference according to tolerance class:									
		k6		m5		m6		n6		p6	
mm	mm	high	low	high	low	high	low	high	low	high	low
		µm									
10	18	+20	+14	+23	+20	+26	+20	+31	+25	+37	+31
18	30	+25	+15	+27	+21	+31	+21	+38	+28	+45	+35
30	50	+30	+15	+32	+22	+37	+22	+45	+30	+54	+39
50	76,2	+36	+15	+39	+24	+45	+24	+54	+33	+66	+45
76,2	80	+36	+27	+39	+36	+45	+36	+54	+45	+66	+57
80	120	+45	+28	+48	+38	+55	+38	+65	+48	+79	+62
120	180	+53	+28	+58	+40	+65	+40	+77	+52	+93	+68
180	250	+63	+29	+67	+42	+76	+42	+90	+56	+109	+75
250	304,8	+71	+29	+78	+45	+87	+45	+101	+59	+123	+81
304,8	315	+71	+55	+78	+71	+87	+71	+101	+85	+123	+107
315	400	+80	+55	+86	+72	+97	+72	+113	+88	+138	+113
400	500	+90	+56	+95	+74	+108	+74	+125	+91	+153	+119
500	609,6	+94	+51	+104	+77	+120	+77	+138	+95	+172	+129
609,6	630	+94	+76	+104	+102	+120	+102	+138	+120	+172	+154
630	800	+125	+76	+137	+106	+155	+106	+175	+126	+213	+164
800	914,4	+156	+76	+170	+110	+190	+110	+212	+132	+256	+176
914,4	1000	+156	+102	+170	+136	+190	+136	+212	+158	+256	+202
1000	1219,2	+191	+102	+207	+142	+231	+142	+257	+168	+311	+222

## Modified housing bore diameter deviations for use with inch bearings

## Nominal diameter Modified deviations for fits with clearance/interference according to tolerance class:

Nominal diameter		Modified deviations for fits with clearance/interference according to tolerance class:									
Housing bore seat		H7		J7		J6		K6		K7	
over	incl.	high	low	high	low	high	low	high	low	high	low
Bearing outside diameter		µm									
mm		µm									
30	50	+36	+25	+25	+14	+21	+19	+14	+12	+18	+7
50	80	+43	+25	+31	+13	+26	+19	+17	+10	+22	+4
80	120	+50	+25	+37	+12	+31	+19	+19	+7	+25	0
120	150	+58	+25	+44	+11	+36	+18	+22	+4	+30	-3
150	180	+65	+25	+51	+11	+43	+18	+29	+4	+37	-3
180	250	+76	+25	+60	+9	+52	+18	+35	+1	+43	-8
250	304,8	+87	+25	+71	+9	+60	+18	+40	-2	+51	-11
304,8	315	+87	+51	+71	+35	+60	+44	+40	+24	+51	+15
315	400	+97	+51	+79	+33	+69	+44	+47	+22	+57	+11
400	500	+108	+51	+88	+31	+78	+44	+53	+19	+63	+6
500	609,6	+120	+51	-	-	-	-	+50	+7	+50	-19
609,6	630	+120	+76	-	-	-	-	+50	+32	+50	+6
630	800	+155	+76	-	-	-	-	+75	+26	+75	-4
800	914,4	+190	+76	-	-	-	-	+100	+20	+100	-14
914,4	1 000	+190	+102	-	-	-	-	+100	+46	+100	+12
1 000	1 219,2	+230	+102	-	-	-	-	+125	+36	+125	-3
1 219,2	1 250	+230	+127	-	-	-	-	+125	+61	+125	+22
1 250	1 600	+285	+127	-	-	-	-	+160	+49	+160	+2

## Nominal diameter Modified deviations for fits with clearance/interference according to tolerance class:

Nominal diameter		Modified deviations for fits with clearance/interference according to tolerance class:							
Housing bore seat		M6		M7		N7		P7	
over	incl.	high	low	high	low	high	low	high	low
Bearing outside diameter		µm							
mm		µm							
30	50	+7	+5	+11	0	+3	-8	-6	-17
50	80	+8	+1	+13	-5	+4	-14	-8	-26
80	120	+9	-3	+15	-10	+5	-20	-9	-34
120	150	+10	-8	+18	-15	+6	-27	-10	-43
150	180	+17	-8	+25	-15	+13	-27	-3	-43
180	250	+22	-12	+30	-21	+16	-35	-3	-54
250	304,8	+26	-16	+35	-27	+21	-41	-1	-63
304,8	315	+26	+10	+35	-1	+21	-15	-1	-37
315	400	+30	+5	+40	-6	+24	-22	-1	-47
400	500	+35	+1	+45	-12	+28	-29	0	-57
500	609,6	+24	-19	+24	-45	+6	-63	-28	-97
609,6	630	+24	+6	+24	-20	+6	-38	-28	-72
630	800	+45	-4	+45	-34	+25	-54	-13	-92
800	914,4	+66	-14	+66	-48	+44	-70	0	-114
914,4	1 000	+66	+12	+66	-22	+44	-44	0	-88
1 000	1 219,2	+85	-4	+85	-43	+59	-69	+5	-123
1 219,2	1 250	+85	+21	+85	-18	+59	-44	+5	-98
1 250	1 600	+112	+1	+112	-46	+82	-76	+20	-138

Shaft diameter and form tolerances for sleeve mounting

Shaft diameter d		Diameter and form tolerances		
Nominal over	incl.	Tolerance class h9 Deviations		Tolerance grade [T5 <sup>1)</sup>
		high	low	max
mm		µm		
<b>10</b>	<b>18</b>	0	-43	8
<b>18</b>	<b>30</b>	0	-52	9
<b>30</b>	<b>50</b>	0	-62	11
<b>50</b>	<b>80</b>	0	-74	13
<b>80</b>	<b>120</b>	0	-87	15
<b>120</b>	<b>180</b>	0	-100	18
<b>180</b>	<b>250</b>	0	-115	20
<b>250</b>	<b>315</b>	0	-130	23
<b>315</b>	<b>400</b>	0	-140	25
<b>400</b>	<b>500</b>	0	-155	27
<b>500</b>	<b>630</b>	0	-175	32
<b>630</b>	<b>800</b>	0	-200	36
<b>800</b>	<b>1 000</b>	0	-230	40
<b>1 000</b>	<b>1 250</b>	0	-260	47

<sup>1)</sup> The recommendation is for tolerance grade IT5/2, because the tolerance zone t is a radius. However, in the table above the values relate to a nominal shaft diameter and are therefore not halved.