

Table 3 Tolerance of Housing Bore

(1/3)

Unit: μm

Dimension (mm)		E7		E10		E11		E12		F6		F7		F8		G6		G7		H6		H7	
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	+ 32	+ 20	+ 68	+ 20	+ 95	+ 20	+140	+ 20	+ 18	+ 10	+ 22	+ 10	+ 28	+ 10	+ 12	+ 4	+ 16	+ 4	+ 8	0	+ 12	0
6	10	+ 40	+ 25	+ 83	+ 25	+115	+ 25	+175	+ 25	+ 22	+ 13	+ 28	+ 13	+ 35	+ 13	+ 14	+ 5	+ 20	+ 5	+ 9	0	+ 15	0
10	18	+ 50	+ 32	+102	+ 32	+142	+ 32	+212	+ 32	+ 27	+ 16	+ 34	+ 16	+ 43	+ 16	+ 17	+ 6	+ 24	+ 6	+11	0	+ 18	0
18	30	+ 61	+ 40	+124	+ 40	+170	+ 40	+250	+ 40	+ 33	+ 20	+ 41	+ 20	+ 53	+ 20	+ 20	+ 7	+ 28	+ 7	+13	0	+ 21	0
30	40	+ 75	+ 50	+150	+ 50	+210	+ 50	+300	+ 50	+ 41	+ 25	+ 50	+ 25	+ 64	+ 25	+ 25	+ 9	+ 34	+ 9	+16	0	+ 25	0
40	50																						
50	65	+ 90	+ 60	+180	+ 60	+250	+ 60	+360	+ 60	+ 49	+ 30	+ 60	+ 30	+ 76	+ 30	+ 29	+10	+ 40	+10	+19	0	+ 30	0
65	80																						
80	100	+107	+ 72	+212	+ 72	+292	+ 72	+422	+ 72	+ 58	+ 36	+ 71	+ 36	+ 90	+ 36	+ 34	+12	+ 47	+12	+22	0	+ 35	0
100	120																						
120	140	+125	+ 85	+245	+ 85	+335	+ 85	+485	+ 85	+ 68	+ 43	+ 83	+ 43	+106	+ 43	+ 39	+14	+ 54	+14	+25	0	+ 40	0
140	160																						
160	180																						
180	200	+146	+100	+285	+100	+390	+100	+560	+100	+ 79	+ 50	+ 96	+ 50	+122	+ 50	+ 44	+15	+ 61	+15	+29	0	+ 46	0
200	225																						
225	250																						
250	280	+146	+110	+320	+110	+430	+110	+630	+110	+ 88	+ 56	+108	+ 56	+137	+ 56	+ 49	+17	+ 69	+17	+32	0	+ 52	0
280	315																						
315	355	+182	+125	+355	+125	+485	+125	+695	+125	+ 98	+ 62	+119	+ 62	+151	+ 62	+ 54	+18	+ 75	+18	+36	0	+ 57	0
355	400																						
400	450	+198	+135	+385	+135	+535	+135	+765	+135	+108	+ 68	+131	+ 68	+165	+ 68	+ 60	+20	+ 83	+20	+40	0	+ 63	0
450	500																						
500	560	+215	+145	-	-	-	-	-	-	+120	+ 76	+146	+ 76	+186	+ 76	+ 66	+22	+ 92	+22	+44	0	+ 70	0
560	630																						
630	710	+240	+160	-	-	-	-	-	-	+130	+ 80	+160	+ 80	+205	+ 80	+ 74	+24	+104	+24	+50	0	+ 80	0
710	800																						
800	900	+260	+170	-	-	-	-	-	-	+142	+ 86	+176	+ 86	+226	+ 86	+ 82	+26	+116	+26	+56	0	+ 90	0
900	1000																						
1000	1120	+300	+195	-	-	-	-	-	-	+164	+ 98	+203	+ 98	+263	+ 98	+ 94	+28	+133	+28	+66	0	+105	0
1120	1250																						
1250	1400	+345	+220	-	-	-	-	-	-	+188	+110	+235	+110	+305	+110	+108	+30	+155	+30	+78	0	+125	0
1400	1600																						
1600	1800	+390	+240	-	-	-	-	-	-	+212	+120	+270	+120	+350	+120	+124	+32	+182	+32	+92	0	+150	0
1800	2000																						



Table 3 Tolerance of Housing Bore

(2/3)

Unit: μm

Dimension (mm)		H8		H9		H10		H11		H13		J6		Js6		J7		Js7		K5	
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	+ 18	0	+ 30	0	+ 48	0	+ 75	0	+180	0	+ 5	-3	+ 4	- 4	+ 6	- 6	+ 6	- 6	0	- 5
6	10	+ 22	0	+ 36	0	+ 58	0	+ 90	0	+220	0	+ 5	-4	+ 4.5	- 4.5	+ 8	- 7	+ 7.5	- 7.5	+1	- 5
10	18	+ 27	0	+ 43	0	+ 70	0	+110	0	+270	0	+ 6	-5	+ 5.5	- 5.5	+10	- 8	+ 9	- 9	+2	- 6
18	30	+ 33	0	+ 52	0	+ 84	0	+130	0	+330	0	+ 8	-5	+ 6.5	- 6.5	+12	- 9	+10.5	-10.5	+1	- 8
30	40	+ 39	0	+ 62	0	+100	0	+160	0	+390	0	+10	-6	+ 8	- 8	+14	-11	+12.5	-12.5	+2	- 9
40	50	+ 39	0	+ 62	0	+100	0	+160	0	+390	0	+10	-6	+ 8	- 8	+14	-11	+12.5	-12.5	+2	- 9
50	65	+ 46	0	+ 74	0	+120	0	+190	0	+460	0	+13	-6	+ 9.5	- 9.5	+18	-12	+15	-15	+3	-10
65	80	+ 46	0	+ 74	0	+120	0	+190	0	+460	0	+13	-6	+ 9.5	- 9.5	+18	-12	+15	-15	+3	-10
80	100	+ 54	0	+ 87	0	+140	0	+220	0	+540	0	+16	-6	+11	-11	+22	-13	+17.5	-17.5	+2	-13
100	120	+ 54	0	+ 87	0	+140	0	+220	0	+540	0	+16	-6	+11	-11	+22	-13	+17.5	-17.5	+2	-13
120	140	+ 63	0	+100	0	+160	0	+250	0	+630	0	+18	-7	+12.5	-12.5	+26	-14	+20	-20	+3	-15
140	160	+ 63	0	+100	0	+160	0	+250	0	+630	0	+18	-7	+12.5	-12.5	+26	-14	+20	-20	+3	-15
160	180	+ 63	0	+100	0	+160	0	+250	0	+630	0	+18	-7	+12.5	-12.5	+26	-14	+20	-20	+3	-15
180	200	+ 72	0	+115	0	+185	0	+290	0	+720	0	+22	-7	+14.5	-14.5	+30	-16	+23	-23	+2	-18
200	225	+ 72	0	+115	0	+185	0	+290	0	+720	0	+22	-7	+14.5	-14.5	+30	-16	+23	-23	+2	-18
225	250	+ 72	0	+115	0	+185	0	+290	0	+720	0	+22	-7	+14.5	-14.5	+30	-16	+23	-23	+2	-18
250	280	+ 81	0	+130	0	+210	0	+320	0	+810	0	+25	-7	+16	-16	+36	-16	+26	-26	+3	-20
280	315	+ 81	0	+130	0	+210	0	+320	0	+810	0	+25	-7	+16	-16	+36	-16	+26	-26	+3	-20
315	355	+ 89	0	+140	0	+230	0	+360	0	+890	0	+29	-7	+18	-18	+39	-18	+28.5	-28.5	+3	-22
355	400	+ 89	0	+140	0	+230	0	+360	0	+890	0	+29	-7	+18	-18	+39	-18	+28.5	-28.5	+3	-22
400	450	+ 97	0	+155	0	+250	0	+400	0	+970	0	+33	-7	+20	-20	+43	-20	+31.5	-31.5	+2	-25
450	500	+ 97	0	+155	0	+250	0	+400	0	+970	0	+33	-7	+20	-20	+43	-20	+31.5	-31.5	+2	-25
500	560	+110	0	+175	0	+280	0	+440	0	-	-	-	+22	-22	-	-	+35	-35	-	-	
560	630	+110	0	+175	0	+280	0	+440	0	-	-	-	+22	-22	-	-	+35	-35	-	-	
630	710	+125	0	+200	0	+320	0	+500	0	-	-	-	+25	-25	-	-	+40	-40	-	-	
710	800	+125	0	+200	0	+320	0	+500	0	-	-	-	+25	-25	-	-	+40	-40	-	-	
800	900	+140	0	+230	0	+360	0	+560	0	-	-	-	+28	-28	-	-	+45	-45	-	-	
900	1000	+140	0	+230	0	+360	0	+560	0	-	-	-	+28	-28	-	-	+45	-45	-	-	
1000	1120	+165	0	+260	0	+420	0	+660	0	-	-	-	+33	-33	-	-	+52.5	-52.5	-	-	
1120	1250	+165	0	+260	0	+420	0	+660	0	-	-	-	+33	-33	-	-	+52.5	-52.5	-	-	
1250	1400	+195	0	+310	0	+500	0	+780	0	-	-	-	+39	-39	-	-	+62.5	-62.5	-	-	
1400	1600	+195	0	+310	0	+500	0	+780	0	-	-	-	+39	-39	-	-	+62.5	-62.5	-	-	
1600	1800	+230	0	+370	0	+600	0	+920	0	-	-	-	+46	-46	-	-	+75	-75	-	-	
1800	2000	+230	0	+370	0	+600	0	+920	0	-	-	-	+46	-46	-	-	+75	-75	-	-	

Table 3 Tolerance of Housing Bore

(3/3)

Unit: μm



Dimension (mm)		K6		K7		M6		M7		N6		N7		P6		P7		R6		R7	
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	+2	-6	+3	-9	-1	-9	0	-12	-5	-13	-4	-16	-9	-17	-8	-20	-12	-20	-11	-23
6	10	+2	-7	+5	-10	-3	-12	0	-15	-7	-16	-4	-19	-12	-21	-9	-24	-16	-25	-13	-28
10	18	+2	-9	+6	-12	-4	-15	0	-18	-9	-20	-5	-23	-15	-26	-11	-29	-20	-31	-16	-34
18	30	+2	-11	+6	-15	-4	-17	0	-21	-11	-24	-7	-28	-18	-31	-14	-35	-24	-37	-20	-41
30	40	+3	-13	+7	-18	-4	-20	0	-25	-12	-28	-8	-33	-21	-37	-17	-42	-29	-45	-25	-50
40	50																				
50	65	+4	-15	+9	-21	-5	-24	0	-30	-14	-33	-9	-39	-26	-45	-21	-51	-35	-54	-30	-60
65	80																	-37	-56	-32	-62
80	100	+4	-18	+10	-25	-6	-28	0	-35	-16	-38	-10	-45	-30	-52	-24	-59	-44	-66	-38	-73
100	120																	-47	-69	-41	-76
120	140	+4	-21	+12	-28	-8	-33	0	-40	-20	-45	-12	-52	-36	-61	-28	-68	-56	-81	-48	-88
140	160																	-58	-83	-50	-90
160	180																	-61	-86	-53	-93
180	200	+5	-24	+13	-33	-8	-37	0	-46	-22	-51	-14	-60	-41	-70	-33	-79	-68	-97	-60	-106
200	225																	-71	-100	-63	-109
225	250																	-75	-104	-67	-113
250	280	+5	-27	+16	-36	-9	-41	0	-52	-25	-57	-14	-66	-47	-79	-36	-88	-85	-117	-74	-126
280	315																	-89	-121	-78	-130
315	355	+7	-29	+17	-40	-10	-46	0	-57	-26	-62	-16	-73	-51	-87	-41	-98	-97	-133	-87	-144
355	400																	-103	-139	-93	-150
400	450	+8	-32	+18	-45	-10	-50	0	-63	-27	-67	-17	-80	-55	-95	-45	-108	-113	-153	-103	-166
450	500																	-119	-159	-109	-172
500	560	0	-44	0	-70	-26	-70	-26	-96	-44	-88	-44	-114	-78	-122	-78	-148	-150	-194	-150	-220
560	630																	-155	-199	-155	-225
630	710	0	-50	0	-80	-30	-80	-30	-110	-50	-100	-50	-130	-88	-138	-88	-168	-175	-225	-175	-255
710	800																	-185	-235	-185	-265
800	900	0	-56	0	-90	-34	-90	-34	-124	-56	-112	-56	-146	-100	-156	-100	-190	-210	-266	-210	-300
900	1000																	-220	-276	-220	-310
1000	1120	0	-66	0	-105	-40	-106	-40	-145	-66	-132	-66	-171	-120	-186	-120	-225	-250	-316	-250	-355
1120	1250																	-260	-326	-260	-365
1250	1400	0	-78	0	-125	-48	-126	-48	-173	-78	-156	-78	-203	-140	-218	-140	-265	-300	-378	-300	-425
1400	1600																	-330	-408	-330	-455
1600	1800	0	-92	0	-150	-58	-150	-58	-208	-92	-184	-92	-242	-170	-262	-170	-320	-370	-462	-370	-520
1800	2000																	-400	-492	-400	-550