

Table 2 Tolerance of Shaft

(1/4)


Unit: μm

Dimension (mm)		a13		c12		d6		e6		e13		f5		f6		g5		g6	
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	-270	-450	-70	-190	-30	-38	-20	-28	-20	-200	-10	-15	-10	-18	-4	-9	-4	-12
6	10	-280	-500	-80	-230	-40	-49	-25	-34	-25	-245	-13	-19	-13	-22	-5	-11	-5	-14
10	18	-290	-560	-95	-275	-50	-61	-32	-43	-32	-302	-16	-24	-16	-27	-6	-14	-6	-17
18	30	-300	-630	-110	-320	-65	-78	-40	-53	-40	-370	-20	-29	-20	-33	-7	-16	-7	-20
30	40	-310	-700	-120	-370	-80	-96	-50	-66	-50	-440	-25	-36	-25	-41	-9	-20	-9	-25
40	50	-320	-710	-130	-380	-80	-96	-50	-66	-50	-440	-25	-36	-25	-41	-9	-20	-9	-25
50	65	-340	-800	-140	-440	-100	-119	-60	-79	-60	-520	-30	-43	-30	-49	-10	-23	-10	-29
65	80	-360	-820	-150	-450	-100	-119	-60	-79	-60	-520	-30	-43	-30	-49	-10	-23	-10	-29
80	100	-380	-920	-170	-520	-120	-142	-72	-94	-72	-612	-36	-51	-36	-58	-12	-27	-12	-34
100	120	-410	-950	-180	-530	-120	-142	-72	-94	-72	-612	-36	-51	-36	-58	-12	-27	-12	-34
120	140	-460	-1090	-200	-600	-145	-170	-85	-110	-85	-715	-43	-61	-43	-68	-14	-32	-14	-39
140	160	-520	-1150	-210	-610	-145	-170	-85	-110	-85	-715	-43	-61	-43	-68	-14	-32	-14	-39
160	180	-580	-1210	-230	-630	-145	-170	-85	-110	-85	-715	-43	-61	-43	-68	-14	-32	-14	-39
180	200	-660	-1380	-240	-700	-170	-199	-100	-129	-100	-820	-50	-70	-50	-79	-15	-35	-15	-44
200	225	-740	-1460	-260	-720	-170	-199	-100	-129	-100	-820	-50	-70	-50	-79	-15	-35	-15	-44
225	250	-820	-1540	-280	-740	-170	-199	-100	-129	-100	-820	-50	-70	-50	-79	-15	-35	-15	-44
250	280	-920	-1730	-300	-820	-190	-222	-110	-142	-110	-920	-56	-79	-56	-88	-17	-40	-17	-49
280	315	-1050	-1860	-330	-850	-190	-222	-110	-142	-110	-920	-56	-79	-56	-88	-17	-40	-17	-49
315	355	-1200	-2090	-360	-930	-210	-246	-125	-161	-125	-1015	-62	-87	-62	-98	-18	-43	-18	-54
355	400	-1350	-2240	-400	-970	-210	-246	-125	-161	-125	-1015	-62	-87	-62	-98	-18	-43	-18	-54
400	450	-1550	-2470	-440	-1070	-230	-270	-135	-175	-135	-1105	-68	-95	-68	-108	-20	-47	-20	-60
450	500	-1650	-2620	-480	-1110	-230	-270	-135	-175	-135	-1105	-68	-95	-68	-108	-20	-47	-20	-60
500	560	-	-	-	-	-260	-304	-145	-189	-	-	-	-	-76	-120	-	-	-22	-66
560	630	-	-	-	-	-260	-304	-145	-189	-	-	-	-	-76	-120	-	-	-22	-66
630	710	-	-	-	-	-290	-340	-160	-210	-	-	-	-	-80	-130	-	-	-24	-74
710	800	-	-	-	-	-290	-340	-160	-210	-	-	-	-	-80	-130	-	-	-24	-74
800	900	-	-	-	-	-320	-376	-170	-226	-	-	-	-	-86	-142	-	-	-26	-82
900	1000	-	-	-	-	-320	-376	-170	-226	-	-	-	-	-86	-142	-	-	-26	-82
1000	1120	-	-	-	-	-350	-416	-195	-261	-	-	-	-	-98	-164	-	-	-28	-94
1120	1250	-	-	-	-	-350	-416	-195	-261	-	-	-	-	-98	-164	-	-	-28	-94
1250	1400	-	-	-	-	-390	-468	-220	-298	-	-	-	-	-110	-188	-	-	-30	-108
1400	1600	-	-	-	-	-390	-468	-220	-298	-	-	-	-	-110	-188	-	-	-30	-108



Table 2 Tolerance of Shaft

(2/4)


Unit: μm 

Dimension (mm)		h4		h5		h6		h7		h8		h9		h10		h11		h13		js4	
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	0	-4	0	-5	0	-8	0	-12	0	-18	0	-30	0	-48	0	-75	0	-180	+2	-2
6	10	0	-4	0	-6	0	-9	0	-15	0	-22	0	-36	0	-58	0	-90	0	-220	+2	-2
10	18	0	-5	0	-8	0	-11	0	-18	0	-27	0	-43	0	-70	0	-110	0	-270	+2.5	-2.5
18	30	0	-6	0	-9	0	-13	0	-21	0	-33	0	-52	0	-84	0	-130	0	-330	+3	-3
30	40	0	-7	0	-11	0	-16	0	-25	0	-39	0	-62	0	-100	0	-160	0	-390	+3.5	-3.5
40	50	0	-7	0	-11	0	-16	0	-25	0	-39	0	-62	0	-100	0	-160	0	-390	+3.5	-3.5
50	65	0	-8	0	-13	0	-19	0	-30	0	-46	0	-74	0	-120	0	-190	0	-460	+4	-4
65	80	0	-8	0	-13	0	-19	0	-30	0	-46	0	-74	0	-120	0	-190	0	-460	+4	-4
80	100	0	-10	0	-15	0	-22	0	-35	0	-54	0	-87	0	-140	0	-220	0	-540	+5	-5
100	120	0	-10	0	-15	0	-22	0	-35	0	-54	0	-87	0	-140	0	-220	0	-540	+5	-5
120	140	0	-12	0	-18	0	-25	0	-40	0	-63	0	-100	0	-160	0	-250	0	-630	+6	-6
140	160	0	-12	0	-18	0	-25	0	-40	0	-63	0	-100	0	-160	0	-250	0	-630	+6	-6
160	180	0	-12	0	-18	0	-25	0	-40	0	-63	0	-100	0	-160	0	-250	0	-630	+6	-6
180	200	0	-14	0	-20	0	-29	0	-46	0	-72	0	-115	0	-185	0	-290	0	-720	+7	-7
200	225	0	-14	0	-20	0	-29	0	-46	0	-72	0	-115	0	-185	0	-290	0	-720	+7	-7
225	250	0	-14	0	-20	0	-29	0	-46	0	-72	0	-115	0	-185	0	-290	0	-720	+7	-7
250	280	0	-16	0	-23	0	-32	0	-52	0	-81	0	-130	0	-210	0	-320	0	-810	+8	-8
280	315	0	-16	0	-23	0	-32	0	-52	0	-81	0	-130	0	-210	0	-320	0	-810	+8	-8
315	355	0	-18	0	-25	0	-36	0	-57	0	-89	0	-140	0	-230	0	-360	0	-890	+9	-9
355	400	0	-18	0	-25	0	-36	0	-57	0	-89	0	-140	0	-230	0	-360	0	-890	+9	-9
400	450	0	-20	0	-27	0	-40	0	-63	0	-97	0	-155	0	-250	0	-400	0	-970	+10	-10
450	500	0	-20	0	-27	0	-40	0	-63	0	-97	0	-155	0	-250	0	-400	0	-970	+10	-10
500	560	-	-	-	-	0	-44	0	-70	0	-110	0	-175	0	-280	0	-440	-	-	-	-
560	630	-	-	-	-	0	-44	0	-70	0	-110	0	-175	0	-280	0	-440	-	-	-	-
630	710	-	-	-	-	0	-50	0	-80	0	-125	0	-200	0	-320	0	-500	-	-	-	-
710	800	-	-	-	-	0	-50	0	-80	0	-125	0	-200	0	-320	0	-500	-	-	-	-
800	900	-	-	-	-	0	-56	0	-90	0	-140	0	-230	0	-360	0	-560	-	-	-	-
900	1000	-	-	-	-	0	-56	0	-90	0	-140	0	-230	0	-360	0	-560	-	-	-	-
1000	1120	-	-	-	-	0	-66	0	-105	0	-165	0	-260	0	-420	0	-660	-	-	-	-
1120	1250	-	-	-	-	0	-66	0	-105	0	-165	0	-260	0	-420	0	-660	-	-	-	-
1250	1400	-	-	-	-	0	-78	0	-125	0	-195	0	-310	0	-500	0	-780	-	-	-	-
1400	1600	-	-	-	-	0	-78	0	-125	0	-195	0	-310	0	-500	0	-780	-	-	-	-



Table 2 Tolerance of Shaft

(3/4)


Unit: μm 

Dimension (mm)		j5		js5		j6		js6		j7		k4		k5		k6		m5	
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
3	6	+3	-2	+2.5	-2.5	+6	-2	+4	-4	+8	-4	+5	+1	+6	+1	+9	+1	+9	+4
6	10	+4	-2	+3	-3	+7	-2	+4.5	-4.5	+10	-5	+5	+1	+7	+1	+10	+1	+12	+6
10	18	+5	-3	+4	-4	+8	-3	+5.5	-5.5	+12	-6	+6	+1	+9	+1	+12	+1	+15	+7
18	30	+5	-4	+4.5	-4.5	+9	-4	+6.8	-6.8	+13	-8	+8	+2	+11	+2	+15	+2	+17	+8
30	40	+6	-5	+5.5	-5.5	+11	-5	+8	-8	+15	-10	+9	+2	+13	+2	+18	+2	+20	+9
40	50																		
50	65	+6	-7	+6.5	-6.5	+12	-7	+9.5	-9.5	+18	-12	+10	+2	+15	+2	+21	+2	+24	+11
65	80																		
80	100	+6	-9	+7.5	-7.5	+13	-9	+11	-11	+20	-15	+13	+3	+18	+3	+25	+3	+28	+13
100	120																		
120	140	+7	-11	+9	-9	+14	-11	+12.5	-12.5	+22	-18	+15	+3	+21	+3	+28	+3	+33	+15
140	160																		
160	180																		
180	200	+7	-13	+10	-10	+16	-13	+14.5	-14.5	+25	-21	+18	+4	+24	+4	+33	+4	+37	+17
200	225																		
225	250																		
250	280	+7	-16	+11.5	-11.5	+16	-16	+16	-16	+26	-26	+20	+4	+27	+4	+36	+4	+43	+20
280	315																		
315	355	+7	-18	+12.5	-12.5	+18	-18	+18	-18	+29	-28	+22	+4	+29	+4	+40	+4	+46	+21
355	400																		
400	450	+7	-20	+13.5	-13.5	+20	-20	+20	-20	+31	-32	+25	+5	+32	+5	+45	+5	+50	+23
450	500																		
500	560	-	-	-	-	-	-	+22	-22	-	-	-	-	-	-	+44	0	-	-
560	630																		
630	710	-	-	-	-	-	-	+25	-25	-	-	-	-	-	-	+50	0	-	-
710	800																		
800	900	-	-	-	-	-	-	+28	-28	-	-	-	-	-	-	+56	0	-	-
900	1000																		
1000	1120	-	-	-	-	-	-	+33	-33	-	-	-	-	-	-	+66	0	-	-
1120	1250																		
1250	1400	-	-	-	-	-	-	+39	-39	-	-	-	-	-	-	+78	0	-	-
1400	1600																		



Table 2 Tolerance of Shaft

(4/4)

Unit: μm 

Dimension (mm)		m6		n5		n6		p5		p6		r6		r7		Base Tolerance			
Over	Incl.	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	IT2	IT3	IT5	IT7
3	6	+ 12	+ 4	+13	+ 8	+ 16	+ 8	+17	+12	+ 20	+ 12	+ 23	+ 15	+ 27	+ 15	1.5	2.5	5	12
6	10	+ 15	+ 6	+16	+10	+ 19	+10	+21	+15	+ 24	+ 15	+ 28	+ 19	+ 34	+ 19	1.5	2.5	6	15
10	18	+ 18	+ 7	+20	+12	+ 23	+12	+26	+18	+ 29	+ 18	+ 34	+ 23	+ 41	+ 23	2	3	8	18
18	30	+ 21	+ 8	+24	+15	+ 28	+15	+31	+22	+ 35	+ 22	+ 41	+ 28	+ 49	+ 28	2.5	4	9	21
30	40	+ 25	+ 9	+28	+17	+ 33	+17	+37	+26	+ 42	+ 26	+ 50	+ 34	+ 59	+ 34	2.5	4	11	25
40	50																		
50	65	+ 30	+11	+33	+20	+ 39	+20	+45	+32	+ 51	+ 32	+ 60	+ 41	+ 71	+ 41	3	5	13	30
65	80											+ 62	+ 43	+ 73	+ 43				
80	100	+ 35	+13	+38	+23	+ 45	+23	+52	+37	+ 59	+ 37	+ 73	+ 51	+ 86	+ 51	4	6	15	35
100	120											+ 76	+ 54	+ 89	+ 54				
120	140	+ 40	+15	+45	+27	+ 52	+27	+61	+43	+ 68	+ 43	+ 88	+ 63	+103	+ 63	5	8	18	40
140	160											+ 90	+ 65	+105	+ 65				
160	180											+ 93	+ 68	+108	+ 68				
180	200	+ 46	+17	+51	+31	+ 60	+31	+70	+50	+ 79	+ 50	+106	+ 77	+123	+ 77	7	10	20	46
200	225											+109	+ 80	+126	+ 80				
225	250											+113	+ 84	+130	+ 84				
250	280	+ 52	+20	+57	+34	+ 66	+34	+79	+56	+ 88	+ 56	+126	+ 94	+146	+ 94	8	12	23	52
280	315											+130	+ 98	+150	+ 98				
315	355	+ 57	+21	+62	+37	+ 73	+37	+87	+62	+ 98	+ 62	+144	+108	+165	+108	9	13	25	57
355	400											+150	+114	+171	+114				
400	450	+ 63	+23	+67	+40	+ 80	+40	+95	+68	+108	+ 68	+166	+126	+189	+126	10	15	27	63
450	500											+172	+132	+195	+132				
500	560	+ 70	+26	-	-	+ 88	+44	-	-	+122	+ 78	+194	+150	+220	+150	-	-	-	70
560	630											+199	+155	+225	+155				
630	710	+ 80	+30	-	-	+100	+50	-	-	+138	+ 88	+225	+175	+255	+175	-	-	-	80
710	800											+235	+185	+265	+185				
800	900	+ 90	+34	-	-	+112	+56	-	-	+156	+100	+266	+210	+300	+210	-	-	-	90
900	1000											+276	+220	+310	+220				
1000	1120	+106	+40	-	-	+132	+66	-	-	+186	+120	+316	+250	+355	+250	-	-	-	105
1120	1250											+326	+260	+365	+260				
1250	1400	+126	+48	-	-	+156	+78	-	-	+218	+140	+378	+300	+425	+300	-	-	-	125
1400	1600											+408	+330	+455	+330				