

Hole dimensional tolerances for regularly used fitting

Standard dimension (mm)	Hole tolerance range class																												Units: μm									
	B10	C9	C10	D8	D9	D10	E7	E8	E9	F6	F7	F8	G6	G7	H6	H7	H8	H9	H10	JS6	JS7	K6	K7	M6	M7	N6	N7	P6		P7	R7	S7	T7	U7	X7			
3	+180	+85	+100	+34	+45	+60	+24	+28	+39	+12	+16	+20	+8	+12	+6	+10	+14	+25	+40	±3	±5	0	0	-2	-2	-4	-4	-6	-6	-10	-14	-14	-14	-20	-24	-28	-30	
	+140	+60	+60	+20	+20	+20	+14	+14	+14	+6	+6	+6	+2	+2	0	0	0	0	0	±4	±6	+2	+3	-1	0	-5	-4	-9	-8	-11	-15	-15	-15	-19	-24	-28	-30	
6	+208	+116	+138	+62	+76	+98	+40	+47	+61	+22	+28	+35	+14	+20	+9	+15	+22	+36	+58	±4.5	±7	+2	+5	-3	0	-7	-4	-12	-9	-13	-17	-17	-17	-22	-28	-30	-33	
	+150	+80	+80	+40	+40	+40	+25	+25	+25	+13	+13	+13	+5	+5	0	0	0	0	0	±5.5	±9	+2	+6	-4	0	-9	-5	-15	-11	-16	-21	-24	-28	-32	-37	-43	-48	
10	+220	+138	+165	+77	+93	+120	+50	+59	+75	+27	+34	+43	+17	+24	+11	+18	+27	+43	+70	±6.5	±10	+2	+6	-4	0	-11	-7	-18	-14	-20	-27	-34	-39	-44	-48	-56	-67	
	+150	+95	+95	+50	+50	+50	+32	+32	+32	+16	+16	+16	+6	+6	0	0	0	0	0	±8	±12	+3	+7	-4	0	-12	-8	-21	-17	-25	-34	-45	-61	-70	-86	-106	-126	
18	+244	+162	+194	+98	+117	+149	+61	+73	+92	+33	+41	+53	+20	+28	+13	+21	+33	+52	+84	±6.5	±10	+2	+6	-4	0	-11	-7	-18	-14	-20	-27	-34	-41	-48	-54	-61	-77	-91
	+160	+110	+110	+65	+65	+65	+40	+40	+40	+20	+20	+20	+7	+7	0	0	0	0	0	±8	±12	+3	+7	-4	0	-12	-8	-21	-17	-25	-34	-45	-61	-70	-86	-106	-126	
30	+270	+182	+220	+119	+142	+180	+75	+89	+112	+41	+50	+64	+25	+34	+16	+25	+39	+62	+100	±8	±12	+3	+7	-4	0	-12	-8	-21	-17	-25	-34	-45	-61	-70	-86	-106	-126	
	+170	+120	+120	+80	+80	+80	+50	+50	+50	+25	+25	+25	+9	+9	0	0	0	0	0	±8	±12	+3	+7	-4	0	-12	-8	-21	-17	-25	-34	-45	-61	-70	-86	-106	-126	
40	+280	+192	+230	+119	+142	+180	+75	+89	+112	+41	+50	+64	+25	+34	+16	+25	+39	+62	+100	±9.5	±15	+4	+9	-5	0	-14	-9	-26	-21	-30	-42	-51	-68	-78	-94	-111	-131	
	+180	+130	+130	+100	+100	+100	+60	+60	+60	+30	+30	+30	+10	+10	0	0	0	0	0	±9.5	±15	+4	+9	-5	0	-14	-9	-26	-21	-30	-42	-51	-68	-78	-94	-111	-131	
50	+310	+214	+260	+146	+174	+220	+90	+106	+134	+49	+60	+76	+29	+40	+19	+30	+46	+74	+120	±9.5	±15	+4	+9	-5	0	-14	-9	-26	-21	-30	-42	-51	-68	-78	-94	-111	-131	
	+190	+140	+140	+110	+110	+110	+60	+60	+60	+30	+30	+30	+10	+10	0	0	0	0	0	±9.5	±15	+4	+9	-5	0	-14	-9	-26	-21	-30	-42	-51	-68	-78	-94	-111	-131	
80	+360	+257	+310	+174	+207	+260	+107	+126	+159	+58	+71	+90	+34	+47	+22	+35	+54	+87	+140	±11	±17	+4	+10	-6	0	-16	-10	-30	-24	-33	-45	-52	-69	-81	-91	-106	-126	
	+220	+170	+170	+120	+120	+120	+72	+72	+72	+36	+36	+36	+12	+12	0	0	0	0	0	±11	±17	+4	+10	-6	0	-16	-10	-30	-24	-33	-45	-52	-69	-81	-91	-106	-126	
100	+380	+267	+320	+174	+210	+270	+110	+126	+162	+60	+76	+96	+39	+54	+25	+40	+63	+100	+160	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
	+240	+180	+180	+145	+145	+145	+85	+85	+85	+43	+43	+43	+14	+14	0	0	0	0	0	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
120	+420	+300	+360	+208	+245	+305	+125	+148	+185	+68	+83	+106	+39	+54	+25	+40	+63	+100	+160	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
	+260	+200	+200	+145	+145	+145	+85	+85	+85	+43	+43	+43	+14	+14	0	0	0	0	0	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
140	+440	+310	+370	+208	+245	+305	+125	+148	+185	+68	+83	+106	+39	+54	+25	+40	+63	+100	+160	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
	+280	+210	+210	+145	+145	+145	+85	+85	+85	+43	+43	+43	+14	+14	0	0	0	0	0	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
160	+470	+330	+390	+208	+245	+305	+125	+148	+185	+68	+83	+106	+39	+54	+25	+40	+63	+100	+160	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
	+310	+230	+230	+145	+145	+145	+85	+85	+85	+43	+43	+43	+14	+14	0	0	0	0	0	±12.5	±20	+4	+12	-8	0	-20	-12	-36	-28	-36	-48	-57	-74	-84	-99	-111	-131	
180	+525	+355	+425	+242	+285	+355	+146	+172	+215	+79	+96	+122	+44	+61	+29	+46	+72	+115	+185	±14.5	±23	+5	+13	-8	0	-22	-14	-41	-33	-43	-55	-64	-78	-88	-105	-126	-146	
	+340	+240	+240	+170	+170	+170	+100	+100	+100	+50	+50	+50	+15	+15	0	0	0	0	0	±14.5	±23	+5	+13	-8	0	-22	-14	-41	-33	-43	-55	-64	-78	-88	-105	-126	-146	
200	+565	+375	+445	+242	+285	+355	+146	+172	+215	+79	+96	+122	+44	+61	+29	+46	+72	+115	+185	±14.5	±23	+5	+13	-8	0	-22	-14	-41	-33	-43	-55	-64	-78	-88	-105	-126	-146	
	+380	+260	+260	+170	+170	+170	+100	+100	+100	+50	+50	+50	+15	+15	0	0	0	0	0	±14.5	±23	+5	+13	-8	0	-22	-14	-41	-33	-43	-55	-64	-78	-88	-105	-126	-146	
225	+605	+395	+465	+242	+285	+355	+146	+172	+215	+79	+96	+122	+44	+61	+29	+46	+72	+115	+185	±14.5	±23	+5	+13	-8	0	-22	-14	-41	-33	-43	-55	-64	-78	-88	-105	-126	-146	
	+420	+280	+280	+170	+170	+170	+100	+100	+100	+50	+50	+50	+15	+15	0	0	0	0	0	±14.5	±23	+5	+13	-8	0	-22	-14	-41	-33	-43	-55	-64	-78	-88	-105	-126	-146	
250	+690	+430	+510	+271	+320	+400	+162	+191	+240	+88	+108	+137	+49	+69	+32	+52	+81	+130	+210	±16	±26	+5	+16	-9	0	-25	-14	-47	-36	-47	-58	-69	-80	-91	-102	-113	-124	
	+480	+300	+300	+190	+190	+190	+110	+110	+110	+56	+56	+56	+17	+17	0	0	0	0	0	±16	±26	+5	+16	-9	0	-25	-14	-47	-36	-47	-58	-69	-80	-91	-102	-113	-124	
280	+750	+460	+540	+271	+320	+400	+162	+191	+240	+88	+108	+137	+49	+69	+32	+52	+81	+130	+210	±16	±26	+5	+16	-9	0	-25	-14	-47	-36	-47	-58	-69	-80	-91	-102	-113	-124	
	+540	+330	+330	+190	+190	+190	+110	+110	+110	+56	+56	+56	+17	+17	0	0	0	0	0	±16	±26	+5	+16	-9	0	-25	-14	-47	-36	-47	-58	-69	-80	-91	-102	-113	-124	
315	+830	+500	+590	+299	+350	+440	+182	+214	+265	+98	+119	+151	+54	+75	+36	+57	+89	+140	+230	±18	±28	+7	+17	-10	0	-26	-16	-51	-41	-52	-63	-74	-85	-96	-107	-118	-129	
	+600	+360	+360	+210	+210	+210	+125	+125	+125	+62	+62	+62	+18	+18	0	0	0	0	0	±18	±28	+7	+17	-10	0	-26	-16	-51	-41	-52	-63	-74	-85	-96	-107	-118	-129	
355	+910	+540	+630	+299	+350	+440	+182	+214	+265	+98	+119	+151	+54	+75	+36	+57	+89	+140	+230	±18	±28	+7	+17	-10	0	-26	-16	-51	-41	-52	-63	-74	-85	-96	-107	-118	-129	
	+680	+400	+400	+210	+210	+210	+125	+125	+125	+62	+62	+62	+18	+18	0	0	0	0	0	±18	±28	+7	+17	-10	0	-26	-16	-51	-41	-52	-63	-74	-85	-96	-107	-118	-129	
400	+1010	+595	+690	+327	+385	+480	+198	+232	+290	+108	+131	+165	+60	+83	+40	+63	+97	+155	+250	±20	±31	+8	+18	-10	0	-27	-17	-55	-45	-66	-77	-88	-99	-110	-121	-132	-143	
	+760	+440	+440	+230	+230	+230	+135	+135	+135	+68	+68	+68	+20	+20	0	0	0	0	0	±20	±31	+8	+18	-10	0	-27	-17	-55	-45	-66	-77	-88	-99	-110	-121	-132	-143	
450	+1090	+635	+730	+327	+385	+480	+198	+232	+290	+108	+131	+165	+60	+83	+40	+63	+97	+155	+250	±20	±31	+8	+18	-10	0	-27	-17	-55	-45	-66	-77	-88	-99	-110	-121	-132	-143	
	+840	+480	+480	+230	+230	+230	+135	+135	+135	+68	+68	+68	+20	+20	0	0	0	0	0	±20	±31	+8	+18	-10	0	-27	-17	-55	-45	-66	-77	-88	-99	-110	-121	-132	-143	