

Commonly used fitting tolerances for bore dimensions

Unit : μm

Dimensions (mm)		B	C		D			E			F			G		H					
Above	Below	B10	C9	C10	D8	D9	D10	E7	E8	E9	F6	F7	F8	G6	G7	H6	H7	H8	H9	H10	H11
-	3	+180 +140	+85 +60	+100	+34	+45 +20	+60	+24	+28 +14	+39	+12	+16 +6	+20	+8 +2	+12	+6	+10	+14 0	+25	+40	+60
3	6	+188 +140	+100 +70	+118	+48	+60 +30	+78	+32	+38 +20	+50	+18	+22 +10	+28	+12 +4	+16	+8	+12	+18 0	+30	+48	+75
6	10	+208 +150	+116 +80	+138	+62	+76 +40	+98	+40	+47 +25	+61	+22	+28 +13	+35	+14 +5	+20	+9	+15	+22 0	+36	+58	+90
10	14	+220	+138	+165	+77	+93	+120	+50	+59	+75	+27	+34	+43	+17	+24	+11	+18	+27	+43	+70	+110
14	18	+150	+95			+50			+32			+16		+6				0			
18	24	+244	+162	+194	+98	+117	+149	+61	+73	+92	+33	+41	+53	+20	+28	+13	+21	+33	+52	+84	+130
24	30	+160	+110			+65			+40			+20		+7				0			
30	40	+270 +170	+182 +120	+220	+119	+142 +80	+180	+75	+89 +50	+112	+41	+50 +25	+64	+25 +9	+34	+16	+25	+39 0	+62	+100	+160
40	50	+280 +180	+192 +130	+230																	
50	65	+310 +190	+214 +140	+260	+146	+174 +100	+220	+90	+106 +60	+134	+49	+60 +30	+76	+29 +10	+40	+19	+30	+46 0	+74	+120	+190
65	80	+320 +200	+224 +150	+270																	
80	100	+360 +220	+257 +170	+310	+174	+207 +120	+260	+107	+126 +72	+159	+58	+71 +36	+90	+34 +12	+47	+22	+35	+54	+87	+140	+220 0
100	120	+380 +240	+267 +180	+320																	
120	140	+420 +260	+300 +200	+360	+208	+245 +145	+305	+125	+148 +85	+185	+68	+83 +43	+106	+39 +14	+54	+25	+40	+63 0	+100	+160	+250
140	160	+440 +280	+310 +210	+370																	
160	180	+470 +310	+330 +230	+390																	
180	200	+525 +340	+355 +240	+425	+242	+285 +170	+355	+146	+172 +100	+215	+79	+96 +50	+122	+44 +15	+61	+29	+46	+72 0	+115	+185	+290
200	225	+565 +380	+375 +260	+445																	
225	250	+605 +420	+395 +280	+465																	
250	280	+690 +480	+430 +300	+510	+271	+320 +190	+400	+162	+191 +110	+240	+88	+108 +56	+137	+49 +17	+69	+32	+52	+81 0	+130	+210	+320
280	315	+750 +540	+460 +330	+540																	
315	355	+830 +600	+500 +360	+590	+299	+350 +210	+440	+182	+214 +125	+265	+98	+119 +62	+151	+54 +18	+75	+36	+57	+89 0	+140	+230	+360
355	400	+910 +680	+540 +400	+630																	
400	450	+1010 +760	+595 +440	+690	+327	+385 +230	+480	+198	+232 +135	+290	+108	+131 +68	+165	+60 +20	+83	+40	+63	+97 0	+155	+250	+400
450	500	+1090 +840	+635 +480	+730																	

Remark : For each cell in the table above, values in the top row shows upper limit of tolerance and values in the bottom row shows lower limit of tolerance.

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Unit : μm

Dimensions (mm)		Js				K		M		N		P		R	S	T	U	X
Above	Below	Js6	Js7	Js8	Js9	K6	K7	M6	M7	N6	N7	P6	P7	R7	S7	T7	U7	X7
-	3	± 3	± 5	± 7	± 12.5	0 -6	0 -10	-2 -8	-2 -12	-4 -10	-4 -14	-6 -12	-6 -16	-10 -20	-14 -24	-	-18 -28	-20 -30
3	6	± 4	± 6	± 9	± 15	+2 -6	+3 -9	-1 -9	0 -12	-5 -13	-4 -16	-9 -17	-8 -20	-11 -23	-15 -27	-	-19 -31	-24 -36
6	10	± 4.5	± 7.5	± 11	± 18	+2 -7	+5 -10	-3 -12	0 -15	-7 -16	-4 -19	-12 -21	-9 -24	-13 -28	-17 -32	-	-22 -37	-28 -43
10	14	± 5.5	± 9	± 13.5	± 21.5	+2 -9	+6 -12	-4 -15	0 -18	-9 -20	-5 -23	-15 -26	-11 -29	-16 -34	-21 -39	-	-26 -44	-33 -51
14	18					-38 -56												
18	24	± 6.5	± 10.5	± 16.5	± 26	+2 -11	+6 -15	-4 -17	0 -21	-11 -24	-7 -28	-18 -31	-14 -35	-20 -41	-27 -48	-	-33 -54	-46 -67
24	30					-56 -77												
30	40	± 8	± 12.5	± 19.5	± 31	+3 -13	+7 -18	-4 -20	0 -25	-12 -28	-8 -33	-21 -37	-17 -42	-25 -50	-31 -59	-39 -64	-51 -61	-
40	50					-76 -86												
50	65	± 9.5	± 15	± 23	± 37	+4 -15	+9 -21	-5 -24	0 -30	-14 -33	-9 -39	-26 -45	-21 -51	-30 -60	-42 -72	-55 -85	-76 -106	-
65	80					-91 -121												
80	100	± 11	± 17.5	± 27	± 43.5	+4 -18	+10 -25	-6 -28	0 -35	-16 -38	-10 -45	-30 -52	-21 -59	-38 -73	-58 -93	-78 -113	-111 -146	-
100	120					-131 -166												
120	140	± 12.5	± 20	± 31.5	± 50	+4 -21	+12 -28	-8 -33	0 -40	-20 -45	-12 -52	-36 -61	-28 -68	-48 -88	-77 -117	-107 -147	-	-
140	160													-50 -90	-85 -125	-119 -159		
160	180													-53 -93	-93 -133	-131 -171		
180	200	± 14.5	± 23	± 36	± 57.5	+5 -24	+13 -33	-8 -37	0 -46	-22 -51	-14 -60	-41 -70	-33 -79	-60 -106	-105 -151	-	-	-
200	225													-63 -109	-113 -159			
225	250													-67 -113	-123 -169			
250	280	± 16	± 26	± 40.5	± 65	+5 -27	+16 -36	-9 -41	0 -52	-25 -57	-14 -66	-47 -79	-36 -88	-74 -126	-	-	-	-
280	315					-78 -130												
315	355	± 18	± 28.5	± 44.5	± 70	+7 -29	+17 -40	-10 -46	0 -57	-26 -62	-16 -73	-51 -87	-41 -93	-87 -144	-	-	-	-
355	400					-93 -150												
400	450	± 20	± 31.5	± 48.5	± 77.5	+8 -32	+18 -45	-10 -50	0 -63	-27 -67	-17 -80	-55 -95	-45 -108	-103 -166	-	-	-	-
450	500					-109 -172												

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