

**Dimensional Tolerances of Shaft, Regularly Used Fitting**

Basic Size (mm)		Class of Tolerance Range for Holes																										Unit $\mu\text{m}$										
Beyond	or Less	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 +140	+85 +60	+100 +60	+34 +20	+45 +20	+60 +20	+24 +14	+28 +14	+39 +14	+12 +6	+16 +6	+20 +6	+8 +2	+12 +2	+6 0	+10 0	+14 0	+25 0	+40 0	$\pm 3$	$\pm 5$	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	+188 +140	+100 +70	+118 +70	+48 +30	+60 +30	+78 +30	+32 +20	+38 +20	+50 +20	+18 +10	+22 +10	+28 +10	+12 +4	+16 +4	+8 0	+12 0	+18 0	+30 0	+48 0	$\pm 4$	$\pm 6$	+2 -6	+3 -9	-1 -9	0 -12	-5 -13	-4 -16	-9 -17	-8 -20	-11 -23	-11 -27	-	-19 -31	-24 -36			
6	10	+208 +150	+116 +80	+138 +80	+62 +40	+76 +40	+98 +40	+40 +25	+47 +25	+61 +25	+22 +13	+28 +13	+35 +13	+14 +5	+20 +5	+9 0	+15 0	+22 0	+36 0	+58 0	$\pm 4.5$	$\pm 7.5$	+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	+220 +150	+138 +95	+165 +95	+77 +50	+93 +50	+120 +50	+50 +32	+59 +32	+75 +32	+27 +16	+34 +16	+43 +16	+17 +6	+24 +6	+11 0	+18 0	+27 0	+43 0	+70 0	$\pm 5.5$	$\pm 9$	+2 -9	+6 -12	-4 -15	0 -18	-9 -20	-5 -23	-15 -26	-11 -29	-16 -34	-21 -39	-	-26 -44	-33 -56			
18	24	+244 +160	+162 +110	+194 +110	+98 +65	+117 +65	+149 +65	+61 +40	+73 +40	+92 +40	+33 +20	+41 +20	+53 +20	+20 +7	+28 +7	+13 0	+21 0	+33 0	+52 0	+84 0	$\pm 6.5$	$\pm 10.5$	+2 -11	+6 -15	-4 -17	0 -21	-11 -24	-7 -28	-18 -31	-14 -35	-20 -41	-27 -48	-	-33 -40	-46 -67			
24	30	+270 +170	+182 +120	+220 +120	+119 +119	+142 +142	+180 +180	+75 +75	+89 +89	+112 +112	+41 +41	+50 +50	+64 +64	+25 +25	+34 +34	+16 +16	+25 +25	+39 +39	+62 +62	+100 +100	$\pm 8$	$\pm 12.5$	+3 -13	+7 -18	-4 -20	0 -25	-12 -28	-8 -33	-21 -37	-17 -42	-25 -50	-34 -59	-	-39 -45	-51 -86			
30	40	+310 +190	+214 +140	+260 +140	+146 +146	+174 +174	+220 +220	+90 +90	+106 +106	+134 +134	+49 +49	+60 +60	+76 +76	+29 +29	+40 +40	+19 +19	+30 +30	+46 +46	+74 +74	+120 +120	$\pm 9.5$	$\pm 15$	+4 -15	+9 -21	-5 -24	0 -30	-14 -33	-9 -39	-26 -45	-21 -51	-30 -60	-42 -72	-	-55 -85	-76 -106			
40	50	+320 +180	+224 +130	+270 +130	+100 +100	+100 +100	+100 +100	+60 +60	+60 +60	+60 +60	+30 +30	+30 +30	+30 +30	+10 +10	+10 +10	0 0	0 0	0 0	0 0	0 0	$\pm 8$	$\pm 12.5$	+3 -13	+7 -18	-4 -20	0 -25	-12 -28	-8 -33	-21 -37	-17 -42	-25 -50	-34 -59	-	-39 -45	-51 -86			
50	65	+310 +190	+214 +140	+260 +140	+146 +146	+174 +174	+220 +220	+90 +90	+106 +106	+134 +134	+49 +49	+60 +60	+76 +76	+29 +29	+40 +40	+19 +19	+30 +30	+46 +46	+74 +74	+120 +120	$\pm 9.5$	$\pm 15$	+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	+320 +200	+224 +150	+270 +150	+100 +100	+100 +100	+100 +100	+60 +60	+60 +60	+60 +60	+30 +30	+30 +30	+30 +30	+10 +10	+10 +10	0 0	0 0	0 0	0 0	0 0	$\pm 9.5$	$\pm 15$	+4 -15	+9 -21	-5 -24	0 -30	-14 -33	-9 -39	-26 -45	-21 -51	-30 -60	-42 -72	-	-55 -85	-76 -106			
80	100	+360 +220	+257 +170	+310 +170	+174 +174	+207 +207	+260 +260	+107 +107	+126 +126	+159 +159	+58 +58	+71 +71	+90 +90	+34 +34	+47 +47	+22 +22	+35 +35	+54 +54	+87 +87	+140 +140	$\pm 11$	$\pm 17.5$	+4 -18	+10 -25	-6 -28	0 -35	-16 -38	-10 -45	-30 -52	-24 -59	-38 -73	-58 -93	-	-78 -113	-111 -146			
100	120	+380 +240	+267 +180	+320 +180	+120 +120	+120 +120	+120 +120	+72 +72	+72 +72	+72 +72	+36 +36	+36 +36	+36 +36	+12 +12	+12 +12	0 0	0 0	0 0	0 0	0 0	$\pm 11$	$\pm 17.5$	+4 -18	+10 -25	-6 -28	0 -35	-16 -38	-10 -45	-30 -52	-24 -59	-38 -73	-58 -93	-	-78 -113	-111 -146			
120	140	+420 +260	+300 +200	+360 +200																																		
140	160	+440 +280	+310 +210	+370 +210	+208 +145	+245 +145	+305 +145	+125 +85	+148 +85	+185 +85	+68 +43	+83 +43	+106 +43	+39 +14	+54 +14	+25 0	+40 0	+63 0	+100 0	+160 0	$\pm 12.5$	$\pm 20$	+4 -21	+12 -28	-8 -33	0 -40	-20 -45	-12 -52	-36 -61	-28 -68	-50 -90	-85 -125	-	-119 -159	-			
160	180	+470 +310	+330 +230	+390 +230																																		
180	200	+525 +340	+355 +240	+425 +240																																		
200	225	+565 +380	+375 +260	+445 +260	+242 +170	+285 +170	+355 +170	+146 +100	+172 +100	+215 +100	+79 +50	+96 +50	+122 +50	+44 +15	+61 +15	+29 0	+46 0	+72 0	+115 0	+185 0	$\pm 14.5$	$\pm 23$	+5 -24	+13 -33	-8 -37	0 -46	-22 -51	-14 -60	-41 -70	-33 -79	-63 -109	-113 -159	-	-	-			
225	250	+605 +420	+395 +280	+465 +280																																		
250	280	+690 +480	+430 +300	+510 +300	+271 +190	+320 +190	+400 +190	+162 +110	+191 +110	+240 +110	+88 +56	+108 +56	+137 +56	+49 +17	+69 +17	+32 0	+52 0	+81 0	+130 0	+210 0	$\pm 16$	$\pm 26$	+5 -27	+16 -36	-9 -41	0 -52	-25 -57	-14 -66	-47 -79	-36 -88	-126 -78	-	-	-	-			
280	315	+750 +540	+460 +330	+540 +330																																		
315	355	+830 +600	+500 +360	+590 +360	+299 +210	+350 +210	+440 +210	+182 +125	+214 +125	+265 +125	+98 +62	+119 +62	+151 +62	+54 +18	+75 +18	+36 0	+57 0	+89 0	+140 0	+230 0	$\pm 18$	$\pm 28.5$	+7 -29	+17 -40	-10 -46	0 -57	-26 -62	-16 -73	-51 -87	-41 -98	-87 -150	-	-	-	-			
355	400	+910 +680	+540 +400	+630 +400																																		
400	450	+1010 +760	+595 +440	+690 +440	+327 +230	+385 +230	+480 +230	+198 +135	+232 +135	+290 +135	+108 +68	+131 +68	+165 +68	+60 +20	+83 +20	+40 0	+63 0	+97 0	+155 0	+250 0	$\pm 20$	$\pm 31.5$	+8 -32	+18 -45	-10 -50	0 -63	-27 -67	-17 -80	-55 -95	-45 -108	-166 -109	-	-	-	-			
450	500	+1090 +840	+635 +480	+730 +480																																		

In each column, the upper value is the upper dimensional tolerance, and the lower figure is the lower dimensional tolerance.

Note : \* n5 is the previous version of JIS. Presented here because many Misumi products conform to this version.