轴和孔的配合公差 (公制)
Fitting Tolerances for Shafts and Bore Diameters (Metric Dimension Series)

公称轴径 Nominal diameter mm		轴径公差 Shaft Diameter Tolerance μm																																	
		f			g			h					js			j			k			m													
Over	Incl	f5	f6	f7	g5	g6	g7	h5	h6	h7	h8	js5	js6	js7	j5	j6	j7	k5	k6	k7	M6	M7	M8	J6	J7	J8	K6	K7	K8	J6	J7	J8	K6	K7	K8
–	3	-6 -10	-6 -12	-6 -16	-2 -6	-2 -8	-2 -12	0 -4	0 -6	0 -10	0 -14	±2	±3	±5	+2 -2	+4 -2	+6 -4	+4	+8 0	+10 0	-2 -8	-2 -12	-2 -16	+2 -4	+4 -6	+6 -8	0 -6	0 -10	0 -14	+5 -3	+6 -6	+8 -8	+2 -4	+3 -6	+5 -8
3	6	-10 -15	-10 -18	-10 -22	-4 -9	-4 -12	-4 -16	0 -5	0 -8	0 -12	0 -18	±2.5	±4	±5	+3 -2	+6 -2	+8 -4	+6	+9 +1	+13 +1	-1 -9	0 -12	0 -16	+5 -3	+6 -6	+10 -8	+2 -5	+3 -9	+5 -14	+5 -4	+6 -8	+10 -10	+3 -5	+5 -9	+6 -14
6	10	-13 -19	-13 -22	-13 -28	-5 -11	-5 -14	-5 -20	0 -6	0 -9	0 -15	0 -22	±3	±4.5	±7	+4 -2	+7 -2	+10 -5	+7	+10 +1	+16 +1	-3 -12	0 -15	+1 -21	+5 -4	+8 -7	+12 -10	+2 -7	+5 -10	+8 -16	+5 -4	+8 -7	+12 -10	+2 -7	+5 -10	+8 -16
10	14	-16 -24	-16 -27	-16 -34	-6 -14	-6 -17	-6 -24	0 -8	0 -11	0 -18	0 -27	±4	±5.5	±9	+5 -3	+8 -3	+12 -6	+9	+12 +1	+19 +1	-4 -15	0 -18	+1 -25	+6 -5	+10 -8	+15 -12	+2 -9	+6 -11	+10 -17	+6 -5	+10 -8	+15 -12	+2 -9	+6 -11	+10 -17
14	18																																		
18	24	-20 -29	-20 -33	-20 -41	-7 -16	-7 -20	-7 -28	0 -9	0 -13	0 -21	0 -33	±4.5	±6.5	±10	+5 -4	+9 -4	+13 -8	+11	+15 +2	+23 +2	-4 -17	0 -21	+4 -29	+8 -5	+12 -9	+20 -13	+4 -11	+6 -17	+12 -23	+8 -5	+12 -9	+20 -13	+4 -11	+6 -17	+12 -23
24	30																																		
30	40	-25 -36	-25 -41	-25 -50	-9 -20	-9 -25	-9 -34	0 -11	0 -16	0 -25	0 -39	±5.5	±8	±12	+6 -5	+11 -5	+15 -10	+13	+18 +2	+27 +2	-4 -20	0 -25	+5 -34	+10 -6	+14 -11	+24 -15	+3 -13	+7 -18	+14 -27	+10 -6	+14 -11	+24 -15	+3 -13	+7 -18	+14 -27
40	50																																		
50	65	-30 -43	-30 -49	-30 -60	-10 -23	-10 -29	-10 -40	0 -13	0 -19	0 -30	0 -46	±6.5	±9.5	±15	+6 -7	+12 -7	+18 -12	+15	+21 +2	+32 +2	-5 -24	0 -30	+5 -41	+13 -6	+18 -12	+28 -18	+4 -15	+9 -21	+18 -32	+13 -6	+18 -12	+28 -18	+4 -15	+9 -21	+18 -32
65	80																																		
80	100	-36 -51	-36 -58	-36 -71	-12 -27	-12 -34	-12 -47	0 -15	0 -22	0 -35	0 -54	±7.5	±11	±17	+6 -9	+13 -9	+20 -15	+18	+25 +3	+38 +3	-6 -28	0 -35	+6 -48	+16 -6	+22 -13	+34 -20	+4 -18	+10 -25	+22 -38	+16 -6	+22 -13	+34 -20	+4 -18	+10 -25	+22 -38
100	120																																		
120	140	-43 -61	-43 -68	-43 -83	-14 -32	-14 -39	-14 -54	0 -18	0 -25	0 -40	0 -63	±9	±12.5	±20	+7 -11	+14 -11	+22 -18	+21	+28 +3	+43 +3	-8 -33	0 -40	+8 -55	+18 -7	+26 -14	+41 -22	+4 -21	+12 -28	+26 -43	+18 -7	+26 -14	+41 -22	+4 -21	+12 -28	+26 -43
140	160																																		
160	180																																		

轴和孔的配合公差 (英制)
Fitting Tolerances for Shafts and Bore Diameters

孔公差 Tolerance for Bore

区分 Division	直径 Diameter		H5		H6		H7		H8	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
以上 以下	0.1181 0.2362	3 6	+0.0002 0	+0.005 0	+0.0003 0	+0.008 0	+0.0005 0	+0.012 0	+0.0007 0	+0.018 0
以上 以下	0.2362 0.3937	6 10	+0.0002 0	+0.006 0	+0.0003 0	+0.009 0	+0.0006 0	+0.015 0	+0.0008 0	+0.022 0
以上 以下	0.3937 0.7087	10 18	+0.0003 0	+0.008 0	+0.0004 0	+0.011 0	+0.0007 0	+0.018 0	+0.0010 0	+0.027 0
以上 以下	0.7087 1.1811	18 30	+0.0003 0	+0.009 0	+0.0005 0	+0.013 0	+0.0008 0	+0.021 0	+0.0013 0	+0.033 0
以上 以下	1.1811 1.9685	30 50	+0.0004 0	+0.011 0	+0.0006 0	+0.016 0	+0.0009 0	+0.025 0	+0.0015 0	+0.039 0
以上 以下	1.9685 3.1496	50 80	+0.0005 0	+0.013 0	+0.0007 0	+0.019 0	+0.0011 0	+0.030 0	+0.0018 0	+0.046 0
以上 以下	3.1496 4.7244	80 120	+0.0005 0	+0.015 0	+0.0008 0	+0.022 0	+0.0013 0	+0.035 0	+0.0021 0	+0.054 0

轴公差 Tolerance for shaft

区分 Division	直径 Diameter		g5		g6		g7		h5		h6		h7	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
以上 以下	0.1181 0.2362	3 6	−0.0001 −0.0003	−0.004 −0.009	−0.0001 −0.0004	−0.004 −0.012	−0.0001 −0.0006	−0.004 −0.016	0 −0.0002	0 −0.005	0 −0.0003	0 −0.008	0 −0.0004	0 −0.012
以上 以下	0.2362 0.3937	6 10	−0.0002 −0.0004	−0.005 −0.011	−0.0002 −0.0005	−0.005 −0.014	−0.0002 −0.0007	−0.005 −0.020	0 −0.0002	0 −0.006	0 −0.0003	0 −0.009	0 −0.0006	0 −0.015
以上 以下	0.3937 0.7087	10 18	−0.0002 −0.0005	−0.006 −0.014	−0.0002 −0.0006	−0.006 −0.017	−0.0002 −0.0009	−0.006 −0.024	0 −0.0003	0 −0.008	0 −0.0004	0 −0.011	0 −0.0007	0 −0.018
以上 以下	0.7087 1.1811	18 30	−0.0002 −0.0006	−0.007 −0.016	−0.0002 −0.0007	−0.007 −0.020	−0.0002 −0.0011	−0.007 −0.028	0 −0.0003	0 −0.009	0 −0.0005	0 −0.013	0 −0.0008	0 −0.021
以上 以下	1.1811 1.9685	30 50	−0.0003 −0.0007	−0.009 −0.020	−0.0003 −0.0009	−0.009 −0.025	−0.0003 −0.0013	−0.009 −0.034	0 −0.0004	0 −0.011	0 −0.0006	0 −0.016	0 −0.0009	0 −0.025
以上 以下	1.9685 3.1496	50 80	−0.0004 −0.0009	−0.010 −0.023	−0.0004 −0.0011	−0.010 −0.029	−0.0004 −0.0015	−0.010 −0.040	0 −0.0005	0 −0.013	0 −0.0007	0 −0.019	0 −0.0011	0 −0.030
以上 以下	3.1496 4.7244	80 120	−0.0004 −0.0010	−0.012 −0.027	−0.0004 −0.0013	−0.012 −0.034	−0.0004 −0.0018	−0.012 −0.047	0 −0.0006	0 −0.015	0 −0.0008	0 −0.022	0 −0.0013	0 −0.035