



Useful Metric ISO Tolerances in mm

Basic Sizes

(over) - to	E7	F7	F8	G7	G8	H7	IT9	IT10	js13	f7	h8	h13	m5	r6	r7	s5	s7	s8
(0) - 3	+0.024 +0.014	+0.016 +0.006	+0.020 +0.006	+0.012 +0.002	+0.016 +0.002	+0.010 0	0.025	0.040	+0.070 -0.070	-0.006 -0.016	0 -0.014	0 -0.140	+0.006 +0.002	+0.016 +0.010	+0.020 +0.010	+0.018 +0.014	+0.024 +0.014	+0.028 +0.014
(3) - 6	+0.032 +0.020	+0.022 +0.010	+0.028 +0.010	+0.016 +0.004	+0.022 +0.004	+0.012 0	0.030	0.048	+0.090 -0.090	-0.010 -0.022	0 -0.018	0 -0.180	+0.009 +0.004	+0.023 +0.015	+0.027 +0.015	+0.024 +0.019	+0.031 +0.019	+0.037 +0.019
(6) - 10	+0.040 +0.025	+0.028 +0.013	+0.035 +0.013	+0.020 +0.005	+0.027 +0.005	+0.015 0	0.036	0.058	+0.110 -0.110	-0.013 -0.028	0 -0.022	0 -0.220	+0.012 +0.006	+0.028 +0.019	+0.034 +0.019	+0.029 +0.023	+0.038 +0.023	+0.045 +0.023
(10) - 18	+0.050 +0.032	+0.034 +0.016	+0.043 +0.016	+0.024 +0.006	+0.033 +0.006	+0.018 0	0.043	0.070	+0.135 -0.135	-0.016 -0.034	0 -0.027	0 -0.270	+0.015 +0.007	+0.034 +0.023	+0.041 +0.023	+0.036 +0.028	+0.046 +0.028	+0.055 +0.028
(18) - 30	+0.061 +0.040	+0.041 +0.020	+0.053 +0.020	+0.028 +0.007	+0.040 +0.007	+0.021 0	0.052	0.084	+0.165 -0.165	-0.020 -0.041	0 -0.033	0 -0.330	+0.017 +0.008	+0.041 +0.028	+0.049 +0.028	+0.044 +0.035	+0.056 +0.035	+0.068 +0.035
(30) - 50	+0.075 +0.050	+0.050 +0.025	+0.064 +0.025	+0.034 +0.009	+0.048 +0.009	+0.025 0	0.062	0.100	+0.195 -0.195	-0.025 -0.050	0 -0.039	0 -0.390	+0.020 +0.009	+0.050 +0.034	+0.059 +0.034	+0.054 +0.043	+0.068 +0.043	+0.082 +0.043
(50) - 65	+0.090 +0.060	+0.060 +0.030	+0.076 +0.030	+0.040 +0.010	+0.056 +0.010	+0.030 0	0.074	0.120	+0.230 -0.230	-0.030 -0.060	0 -0.046	0 -0.460	+0.024 +0.011	+0.060 +0.041	+0.071 +0.041	+0.066 +0.053	+0.083 +0.053	+0.099 +0.053
(65) - 80	+0.090 +0.060	+0.060 +0.030	+0.076 +0.030	+0.040 +0.010	+0.056 +0.010	+0.030 0	0.074	0.120	+0.230 -0.230	-0.030 -0.060	0 -0.046	0 -0.460	+0.024 +0.011	+0.062 +0.043	+0.073 +0.043	+0.072 +0.059	+0.089 +0.059	+0.105 +0.059
(80) - 100	+0.107 +0.072	+0.071 +0.036	+0.090 +0.036	+0.047 +0.012	+0.066 +0.012	+0.035 0	0.087	0.140	+0.270 -0.270	-0.036 -0.071	0 -0.054	0 -0.540	+0.028 +0.013	+0.073 +0.051	+0.086 +0.051	+0.086 +0.071	+0.106 +0.071	+0.125 +0.071
(100) - 120	+0.107 +0.072	+0.071 +0.036	+0.090 +0.036	+0.047 +0.012	+0.066 +0.012	+0.035 0	0.087	0.140	+0.270 -0.270	-0.036 -0.071	0 -0.054	0 -0.540	+0.028 +0.013	+0.076 +0.054	+0.089 +0.054	+0.094 +0.079	+0.114 +0.079	+0.133 +0.079