

Table 1. Fundamental deviations, μm ($1\mu\text{m} = 0.001\text{ mm}$).

A basic size, mm	a	b	c	d	e	f	g	j		k		m	n	p	r	s	t	u	v	x	y	z
	For all numbers of grades of tolerance							5,6	7	4-7	<3, >7	For all numbers of grades of tolerance										
from 1- befor 3	-270	-140	-60	-20	-14	-6	-2	-2	-4	0	0	+2	+4	+6	+10	+14	---	+18	---	+20	---	+26
3 - 6	-270	-140	-70	-30	-20	-10	-4	-2	-4	+1	0	+4	+8	+12	+15	+19	---	+23	---	+28	---	+35
6 - 10	-280	-150	-80	-40	-25	-13	-5	-2	-5	+1	0	+6	+10	+15	+19	+23	---	+28	---	+34	---	+42
10 - 14	-290	-150	-95	-50	-32	-16	-6	-3	-6	+1	0	+7	+12	+18	+23	+28	---	+33	---	+40	---	+50
14 - 18	-290	-150	-95	-50	-32	-16	-6	-3	-6	+1	0	7	+12	+18	+23	+28	---	+33	+39	+45	---	+60
18 - 24	-300	-160	-110	-65	-40	-20	-7	-4	-8	+2	0	8	+15	+22	+28	+35	---	+41	+47	+54	+63	+73
24 - 30	-300	-160	-110	-65	-40	-20	-7	-4	-8	+2	0	8	+15	+22	+28	+35	+41	+48	+55	+64	+75	+88
30 - 40	-310	-170	-120	-80	-50	-25	-9	-5	-10	+2	0	9	+17	+26	+34	+43	+48	+60	+68	+80	+94	+112
40 - 50	-320	-180	-130	-80	-50	-25	-9	-5	-10	+2	0	9	+17	+26	+34	+43	+54	+70	+81	+97	+114	+136
50 - 65	-340	-190	-140	-100	-60	-30	-10	-7	-12	+2	0	11	+20	+32	+41	+53	+66	+87	+102	+122	+144	+172
65 - 80	-360	-200	-150	-100	-60	-30	-10	-7	-12	+2	0	11	+20	+32	+43	+59	+75	+102	+120	+146	+174	+210
80 - 100	-380	-220	-170	-120	-72	-36	-12	-9	-15	+3	0	13	+23	+37	+51	+71	+91	+124	+146	+178	+214	+258
100 - 120	-410	-240	-180	-120	-72	-36	-12	-9	-15	+3	0	13	+23	+37	+54	+79	+104	+144	+172	+210	+254	+310
120 - 140	-460	-260	-200	-145	-85	-43	-14	-11	-18	+3	0	15	+27	+43	+63	+92	+122	+170	+202	+248	+300	+365
140 - 160	-520	-280	-210	-145	-85	-43	-14	-11	-18	+3	0	15	+27	+43	+65	+100	+134	+199	+228	+280	+340	+415
160 - 180	-580	-310	-230	-145	-85	-43	-14	-11	-18	+3	0	15	+27	+43	+68	+108	+146	+210	+252	+310	+380	+465

Table 2. Tolerances, μm .

basic size,mm	A number of grades of tolerance																			
	01	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1 - 3	0.3	0.5	0.8	1.2	2	3	4	6	10	14	25	40	60	100	140	250	400	600	1000	1400
3 - 6	0.4	0.6	1	1.5	2.5	4	5	8	12	18	30	48	75	120	180	300	480	750	1200	1800
6 - 10	0.4	0.6	1	1.5	2.5	4	6	9	15	22	36	58	90	150	220	360	580	900	1500	2200
10 - 18	0.5	0.8	1.2	2	3	5	8	11	18	27	43	70	110	180	270	430	700	1100	1800	2700
18 - 30	0.6	1	1.5	2.5	4	6	9	13	21	33	52	84	130	210	330	520	840	1300	2100	3300
30 - 50	0.6	1	1.5	2.5	4	7	11	16	25	39	62	100	160	250	390	620	1000	1600	2500	3900
50 - 80	0.8	1.2	2	3	5	8	13	19	30	46	74	120	190	300	460	740	1200	1900	3000	4600
80 - 120	1	1.5	2.5	4	6	10	15	22	35	54	87	140	220	350	540	870	1400	2200	3500	5400
120 - 180	1.2	2	3.5	5	8	12	18	25	40	63	100	160	250	400	630	1000	1600	2500	4000	6300
180 - 250	2	3	4.5	7	10	14	20	29	46	72	115	185	290	460	720	1150	1850	2900	4600	7200
250 - 315	2.5	4	6	8	12	16	23	32	52	81	130	210	320	520	810	1300	2100	3200	5200	8100
315 - 400	3	5	7	9	13	18	25	36	57	89	140	230	360	570	890	1400	2300	3600	5700	8900
400 - 500	4	6	8	10	15	20	27	40	63	97	155	250	400	630	970	1550	2500	4000	6300	9700
500 - 630	4.5	6	9	11	16	22	30	44	70	110	175	280	440	700	1100	1750	2800	4400	7000	11000
630 - 800	5	7	10	13	18	25	35	50	80	125	200	320	500	800	1250	2000	3200	5000	8000	12500
800 - 1000	5.5	8	11	15	21	29	40	56	90	140	230	360	560	900	1400	2300	3600	5600	9000	14000