

# ISO-Toleranzen für Wellen und Bohrungen

Bei den international verwendeten ISO-Toleranzen werden die Grösse der Toleranz und ihre Lage zur Nulllinie durch die Toleranzklasse angegeben. Der Buchstabe gibt das Grundabmaß, die Zahl den Toleranzgrad an. Obere und untere Abmaße in Mikrometer (0.001 mm).

Ø von	3	6	10	18	30	40	50	65	80	100	120	140	160	180	200	225	250	280	315	355																			
bis inkl.	6	10	18	30	40	50	65	80	100	120	140	160	180	200	225	250	280	315	355	400																			
Toleranzen für Wellen	f6	-10	-13	-16	-20	-25	-30	-36	-43	-50	-56	-62	-18	-22	-27	-33	-41	-49	-58	-68	-79	-88	-98																
		f7	-10	-13	-16	-20	-25	-30	-36	-43	-50	-56	-62	-22	-28	-34	-41	-50	-60	-71	-83	-96	-108	-119															
	g6		-4	-5	-6	-7	-9	-10	-12	-14	-15	-17	-18	-12	-14	-17	-20	-25	-29	-34	-39	-44	-49	-54															
		g7	-4	-5	-6	-7	-9	-10	-12	-14	-15	-17	-18	-16	-20	-24	-28	-34	-40	-47	-54	-61	-69	-75															
	h6		0	0	0	0	0	0	0	0	0	0	0	-8	-9	-11	-13	-16	-19	-22	-25	-29	-32	-36															
		h7	0	0	0	0	0	0	0	0	0	0	0	-12	-15	-18	-21	-25	-30	-35	-40	-46	-52	-57															
	js13		+90	+110	+135	+165	+195	+230	+270	+315	+360	+405	+445	-90	-110	-135	-165	-195	-230	-270	-315	-360	-405	-445															
		m5	+9	+12	+15	+17	+20	+24	+28	+33	+37	+43	+46	+4	+6	+7	+8	+9	+11	+13	+15	+17	+20	+21															
	m6		+12	+15	+18	+21	+25	+30	+35	+40	+46	+52	+57	+4	+6	+7	+8	+9	+11	+13	+15	+17	+20	+21															
		m7	+16	+21	+25	+29	+34	+41	+48	+55	+63	+72	+78	+4	+6	+7	+8	+9	+11	+13	+15	+17	+20	+21															
	r6		+23	+28	+34	+41	+50	+60	+62	+73	+76	+88	+90	+93	+106	+109	+113	+126	+130	+144	+150	+15	+19	+23	+28	+34	+41	+43	+51	+54	+63	+65	+68	+77	+80	+84	+94	+98	+108
		r7	+27	+34	+41	+49	+59	+71	+73	+86	+89	+103	+105	+108	+123	+126	+130	+146	+150	+165	+171	+15	+19	+23	+28	+34	+41	+43	+51	+54	+63	+65	+68	+77	+80	+84	+94	+98	+108
	s6		+27	+32	+39	+48	+59	+72	+78	+93	+101	+117	+125	+133	+151	+159	+169	+190	+202	+226	+244	+19	+23	+28	+35	+43	+53	+59	+71	+79	+92	+100	+108	+122	+130	+140	+158	+170	+190
		s7	+31	+38	+46	+56	+68	+83	+89	+106	+114	+132	+140	+148	+168	+176	+186	+210	+222	+247	+265	+19	+23	+28	+35	+43	+53	+59	+71	+79	+92	+100	+108	+122	+130	+140	+158	+170	+190
	Toleranzen für Bohrungen		E6	+28	+34	+43	+53	+66	+79	+94	+110	+129	+142	+161	+20	+25	+32	+40	+50	+60	+72	+85	+100	+110	+125														
E7		+32		+40	+50	+61	+75	+90	+107	+125	+146	+162	+185	+20	+25	+32	+40	+50	+60	+72	+85	+100	+110	+125															
		F6	+18	+22	+27	+33	+41	+49	+58	+68	+79	+88	+98	+10	+13	+16	+20	+2	+30	+36	+43	+50	+56	+62															
F7			+22	+28	+34	+41	+50	+60	+71	+83	+96	+108	+119	+10	+13	+16	+20	+25	+30	+36	+43	+50	+56	+62															
		F8	+28	+35	+43	+53	+64	+76	+90	+106	+122	+137	+151	+10	+13	+16	+20	+25	+30	+36	+43	+50	+56	+62															
G6			+12	+14	+17	+20	+25	+29	+34	+39	+44	+49	+54	+4	+5	+6	+7	+9	+10	+12	+14	+15	+17	+18															
		G7	+16	+20	+24	+28	+34	+40	+47	+54	+61	+69	+75	+4	+5	+6	7	+9	+10	+12	+14	+15	+17	+18															
G8			+22	+27	+33	+40	+48	+56	+66	+77	+87	+98	+107	+4	+5	+6	+7	+9	+10	+12	+14	+15	+17	+18															
		H7	+12	+15	+18	+21	+25	+30	+35	+40	+46	+52	+57	0	0	0	+0	0	0	0	0	0	0	0															
H8			+18	+22	+27	+33	+39	+46	+54	+63	+72	+81	+89	0	0	0	0	0	0	0	0	0	0	0															
		H9	+30	+36	+43	+52	+62	+74	+87	+100	+115	+130	+140	0	0	0	0	0	0	0	0	0	0	0															
H10			+48	+58	+70	+84	+100	+120	+140	+160	+185	+210	+230	0	0	0	0	0	0	0	0	0	0	0															