

Dimensional Tolerances for regularly used fitting shaft

Standard dimension (mm)	Shaft tolerance range class																												Units: μ m								
	h9	c9	d8	d9	e7	e8	e9	f6	f7	f8	f9	g5	g6	h4*	h5	h6	h7	h8	h9	js5	js6	js7	k5	k6	m5	m6	n5*	n6		p6	r6	s6	t6	u6	x6		
3	-140	-60	-20	-10	-14	-6	-6	-6	-6	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	+4	+6	+6	+8	+8	+10	+12	+16	+20	+20	+26			
4	-165	-85	-34	-45	-24	-28	-39	-12	-16	-20	-6	-8	-3	-4	-6	-10	-14	-25	± 2	± 3	± 5	0	0	+2	+2	+4	+4	+4	+6	+10	+14	+18	+20	+26			
5	-170	-100	-40	-50	-30	-20	-20	-10	-10	-4	0	0	0	0	0	0	0	0	0	0	0	0	+6	+9	+9	+12	+13	+16	+20	+23	+27	+31	+36	+42			
6	-170	-100	-40	-50	-30	-20	-20	-10	-10	-4	0	0	0	0	0	0	0	0	0	0	0	0	+7	+10	+12	+15	+16	+19	+24	+28	+32	+37	+43	+48	+54		
8	-188	-116	-62	-76	-40	-47	-61	-22	-28	-35	-11	-14	-4	-6	-9	-15	-22	-36	± 3	± 4.5	± 7	+1	+1	+6	+6	+10	+10	+15	+19	+23	+28	+34	+39	+44	+51		
10	-198	-135	-70	-80	-42	-47	-62	-22	-28	-32	-16	-16	-6	0	0	0	0	0	0	0	0	± 4	± 5.5	± 9	+1	+1	+7	+7	+12	+18	+24	+29	+34	+39	+44	+51	
14	-183	-138	-75	-83	-50	-59	-75	-27	-34	-43	-14	-17	-5	-8	-11	-18	-27	-43	± 4	± 5	± 9	+1	+1	+7	+7	+12	+12	+18	+24	+29	+34	+39	+44	+51	+56		
18	-160	-110	-65	-65	-40	-40	-40	-20	-20	-20	-20	-7	0	0	0	0	0	0	0	0	0	± 4.5	± 6.5	± 10	+11	+15	+17	+21	+24	+28	+35	+41	+46	+54	+67		
24	-212	-162	-98	-117	-61	-73	-92	-33	-41	-53	-16	-20	-6	-9	-13	-21	-33	-52	± 4	± 5	± 10	+11	+15	+17	+21	+24	+28	+35	+41	+46	+54	+67	+81	+94	+110		
30	-230	-180	-120	-140	-60	-70	-90	-35	-45	-55	-9	0	0	0	0	0	0	0	0	0	0	± 5	± 7	+13	+18	+20	+25	+28	+33	+42	+50	+58	+66	+76	+90		
40	-300	-240	-180	-210	-80	-90	-110	-42	-50	-64	-20	-25	-7	-11	-16	-25	-39	-62	± 5	± 8	± 12	+13	+18	+20	+25	+28	+33	+42	+50	+58	+66	+76	+90	+108	+126		
50	-360	-300	-240	-270	-100	-110	-140	-48	-58	-74	-25	-32	-8	-13	-19	-30	-46	-74	± 5	± 8.5	± 15	+15	+21	+24	+30	+33	+38	+45	+51	+61	+71	+81	+94	+110	+132		
65	-420	-360	-300	-330	-120	-130	-160	-55	-65	-83	-28	-36	-10	-15	-22	-35	-54	-87	± 5	± 11	± 17	+18	+25	+28	+35	+38	+45	+59	+71	+81	+94	+110	+132	+156	+180		
80	-480	-420	-360	-390	-140	-150	-180	-60	-70	-90	-30	-38	-12	-18	-25	-40	-63	-100	± 5	± 12.5	± 20	+21	+28	+33	+40	+43	+52	+68	+80	+90	+108	+126	+150	+180	+216		
100	-540	-480	-420	-450	-160	-170	-200	-65	-75	-95	-35	-44	-14	-20	-29	-46	-72	-115	± 5	± 14.5	± 23	+24	+33	+37	+46	+49	+60	+79	+90	+108	+126	+150	+180	+216	+252		
120	-600	-540	-480	-510	-180	-190	-220	-70	-80	-100	-40	-50	-15	-22	-33	-52	-80	-125	± 5	± 16.5	± 26	+27	+36	+43	+52	+56	+68	+88	+94	+110	+132	+156	+180	+216	+252		
140	-660	-600	-540	-570	-200	-210	-240	-75	-85	-105	-45	-55	-16	-23	-34	-54	-83	-130	± 5	± 18.5	± 28	+29	+39	+47	+56	+61	+75	+96	+102	+120	+144	+168	+192	+228	+270		
160	-720	-660	-600	-630	-220	-230	-260	-80	-90	-110	-50	-60	-17	-25	-36	-56	-86	-140	± 5	± 20.5	± 31	+32	+42	+51	+60	+66	+82	+104	+110	+132	+156	+180	+216	+252	+288		
180	-780	-720	-660	-690	-240	-250	-280	-85	-95	-115	-55	-65	-18	-26	-37	-57	-87	-150	± 5	± 22.5	± 33	+34	+44	+53	+62	+69	+86	+108	+114	+138	+162	+192	+228	+270	+306		
200	-840	-780	-720	-750	-260	-270	-300	-90	-100	-120	-60	-70	-19	-28	-39	-59	-89	-160	± 5	± 24.5	± 35	+36	+46	+55	+64	+72	+90	+112	+118	+144	+168	+198	+234	+270	+306	+342	
225	-900	-840	-780	-810	-280	-290	-320	-95	-105	-125	-65	-75	-20	-29	-40	-60	-90	-170	± 5	± 26.5	± 37	+38	+48	+57	+66	+75	+94	+116	+122	+150	+174	+210	+246	+282	+318	+354	
250	-960	-900	-840	-870	-300	-310	-340	-100	-110	-130	-70	-80	-21	-30	-41	-61	-91	-180	± 5	± 28.5	± 39	+40	+50	+59	+68	+78	+98	+120	+126	+156	+180	+216	+252	+288	+324	+360	
280	-1020	-960	-900	-930	-320	-330	-360	-105	-115	-135	-75	-85	-22	-31	-42	-62	-92	-190	± 5	± 30.5	± 41	+42	+52	+61	+70	+80	+100	+122	+128	+158	+182	+218	+254	+290	+326	+362	
315	-1080	-1020	-960	-990	-340	-350	-380	-110	-120	-140	-80	-90	-23	-32	-43	-63	-93	-200	± 5	± 32.5	± 43	+44	+54	+63	+72	+82	+102	+124	+130	+160	+184	+220	+256	+292	+328	+364	
355	-1140	-1080	-1020	-1050	-360	-370	-400	-115	-125	-145	-85	-95	-24	-33	-44	-64	-94	-210	± 5	± 34.5	± 45	+46	+56	+65	+74	+84	+104	+126	+132	+162	+186	+222	+258	+294	+330	+366	
400	-1200	-1140	-1080	-1110	-380	-390	-420	-120	-130	-150	-90	-100	-25	-34	-45	-65	-95	-220	± 5	± 36.5	± 47	+48	+58	+67	+76	+86	+106	+128	+134	+164	+188	+224	+260	+296	+332	+368	
450	-1260	-1200	-1140	-1170	-400	-410	-440	-125	-135	-155	-95	-105	-26	-35	-46	-66	-96	-230	± 5	± 38.5	± 49	+50	+60	+69	+78	+88	+108	+130	+136	+166	+190	+226	+262	+298	+334	+370	+406
500	-1320	-1260	-1200	-1230	-420	-430	-460	-130	-140	-160	-100	-110	-27	-36	-47	-67	-97	-240	± 5	± 40.5	± 51	+52	+62	+71	+80	+90	+110	+132	+138	+168	+192	+228	+264	+300	+336	+372	+408
560	-1380	-1320	-1260	-1290	-440	-450	-480	-135	-145	-165	-105	-115	-28	-37	-48	-68	-98	-250	± 5	± 42.5	± 53	+54	+64	+73	+82	+92	+112	+134	+140	+170	+194	+230	+266	+302	+338	+374	+410
630	-1440	-1380	-1320	-1350	-460	-470	-500	-140	-150	-170	-110	-120	-29	-38	-49	-69	-99	-260	± 5	± 44.5	± 55	+56	+66	+75	+84	+94	+114	+136	+142	+172	+196	+232	+268	+304	+340	+376	+412
710	-1500	-1440	-1380	-1410	-480	-490	-520	-145	-155	-175	-115	-125	-30	-39	-50	-70	-100	-270	± 5	± 46.5	± 57	+58	+68	+77	+86	+96	+116	+138	+144	+174	+198	+234	+270	+306	+342	+378	+414
800	-1560	-1500	-1440	-1470	-500	-510	-540	-150	-160	-180	-120	-130	-31	-40	-51	-71	-101	-280	± 5	± 48.5	± 59	+60	+70	+79	+88	+98	+118	+140	+146	+176	+200	+236	+272	+308	+344	+380	+416
900	-1620	-1560	-1500	-1530	-520	-530	-560	-155	-165	-185	-125	-135	-32	-41	-52	-72	-102	-290	± 5	± 50.5	± 61	+62	+72	+81	+90	+100	+120	+142	+148	+178	+202	+238	+274	+310	+346	+382	+418
1000	-1680	-1620	-1560	-1590	-540	-550	-580	-160	-170	-190	-130	-140	-33	-42	-53	-73	-103	-300	± 5	± 52.5	± 63	+64	+74	+83	+92	+102	+122	+144	+150	+180	+204	+240	+276	+312	+348	+384	+420
1200	-1740	-1680	-1620	-1650	-560	-570	-600	-165	-175	-195	-135	-145	-34	-43	-54	-74	-104	-310	± 5	± 54.5	± 65	+66	+76	+85	+94	+104	+124	+146	+152	+182	+206	+242	+278	+314	+350	+386	+422
1400	-1800	-1740	-1680	-1710	-580	-590	-620	-170	-180	-200	-140	-150	-35	-44	-55	-75	-105	-320	± 5	± 56.5	± 67	+68	+78	+87	+96	+106	+126	+148	+154	+184	+208	+244	+280	+316	+352	+388	+424
1600	-1860	-1800	-1740	-1770	-600	-610	-640	-175	-185	-205	-145	-155	-36	-45	-56	-76	-106	-330	± 5	± 58.5	± 69	+70	+80	+89	+98	+108	+128	+150	+156	+186	+210	+246	+282	+318	+354	+390	+426
1800	-1920	-1860	-1800	-1830	-620	-630	-660	-180	-190	-210	-150	-160	-37	-46	-57	-77	-107	-340	± 5	± 60.5	± 71	+72	+82	+91	+100	+110	+130	+152	+158	+188	+212	+248	+284	+320	+356	+392	+428
2000	-1980	-1920	-1860	-1890	-640	-650	-680	-185	-195	-215	-155	-165	-38	-47	-58	-78	-108	-350	± 5	± 62.5	± 73	+74	+84	+93	+102	+112	+132	+154	+160	+190	+214	+250	+286	+322	+358	+394	+430
2250	-2040	-1980	-1920	-1950	-660	-670	-700	-190	-200	-220	-160	-170	-39	-48	-59	-79	-109	-360	± 5	± 64.5	± 75	+76	+86	+95	+104	+114	+134	+156	+162	+192	+216	+252	+288	+324	+360	+396	+432
2500	-2100	-2040	-1980	-2010	-680	-690	-720</																														