

table 1 - Shaft tolerances and resultant fits

Shaft Nominal diameter d		Bearing Bore diameter tolerance t_{Admp}		Shaft diameter deviations, resultant fits ¹⁾ Tolerance classes									
over	incl.	low	high	f5 \oplus		f6 \oplus		g5 \oplus		g6 \oplus		h5 \oplus	
				Deviations (shaft diameter)									
				Theoretical interference (-)/clearance (+)									
				Probable interference (-)/clearance (+)									
mm		μm		μm									
-	3	-8	0	-6	-10	-6	-12	-2	-6	-2	-8	0	-4
				-2	+10	-2	+12	-6	+6	-6	+8	-8	+4
				-1	+9	0	+10	-5	+5	-4	+6	-7	+3
3	6	-8	0	-10	-15	-10	-18	-4	-9	-4	-12	0	-5
				+2	+15	+2	+18	-4	+9	-4	+12	-8	+5
				+3	+14	+4	+16	-3	+8	-2	+10	-7	+4
6	10	-8	0	-13	-19	-13	-22	-5	-11	-5	-14	0	-6
				+5	+19	+5	+22	-3	+11	-3	+14	-8	+6
				+7	+17	+7	+20	-1	+9	-1	+12	-6	+4
10	18	-8	0	-16	-24	-16	-27	-6	-14	-6	-17	0	-8
				+8	+24	+8	+27	-2	+14	-2	+17	-8	+8
				+10	+22	+10	+25	0	+12	0	+15	-6	+6
18	30	-10	0	-20	-29	-20	-33	-7	-16	-7	-20	0	-9
				+10	+29	+10	+33	-3	+16	-3	+20	-10	+9
				+12	+27	+13	+30	-1	+14	0	+17	-8	+7
30	50	-12	0	-25	-36	-25	-41	-9	-20	-9	-25	0	-11
				+13	+36	+13	+41	-3	+20	-3	+25	-12	+11
				+16	+33	+17	+37	0	+17	+1	+21	-9	+8
50	80	-15	0	-30	-43	-30	-49	-10	-23	-10	-29	0	-13
				+15	+43	+15	+49	-5	+23	-5	+29	-15	+13
				+19	+39	+19	+45	-1	+19	-1	+25	-11	+9
80	120	-20	0	-36	-51	-36	-58	-12	-27	-12	-34	0	-15
				+16	+51	+16	+58	-8	+27	-8	+34	-20	+15
				+21	+46	+22	+52	-3	+22	-2	+28	-15	+10
120	180	-25	0	-43	-61	-43	-68	-14	-32	-14	-39	0	-18
				+18	+61	+18	+68	-11	+32	-11	+39	-25	+18
				+24	+55	+25	+61	-5	+26	-4	+32	-19	+12
180	250	-30	0	-50	-70	-50	-79	-15	-35	-15	-44	0	-20
				+20	+70	+20	+79	-15	+35	-15	+44	-30	+20
				+26	+64	+28	+71	-9	+29	-7	+36	-24	+14
250	315	-35	0	-56	-79	-56	-88	-17	-40	-17	-49	0	-23
				+21	+79	+21	+88	-18	+40	-18	+49	-35	+23

				+29	+71	+30	+79	-10	+32	-9	+40	-27	+15
315	400	-40	0	-62	-87	-62	-98	-18	-43	-18	-54	0	-25
				+22	+87	+22	+98	-22	+43	-22	+54	-40	+25
				+30	+79	+33	+87	-14	+35	-11	+43	-32	+17
400	500	-45	0	-68	-95	-68	-108	-20	-47	-20	-60	0	-27
				+23	+95	+23	+108	-25	+47	-25	+60	-45	+27
				+32	+86	+35	+96	-16	+38	-13	+48	-36	+18
500	630	-50	0	-76	-104	-76	-120	-22	-50	-22	-66	0	-28
				+26	+104	+26	+120	-28	+50	-28	+66	-50	+28
				+36	+94	+39	+107	-18	+40	-15	+53	-40	+18
630	800	-75	0	-80	-112	-80	-130	-24	-56	-24	-74	0	-32
				+5	+112	+5	+130	-51	+56	-51	+74	-75	+32
				+17	+100	+22	+113	-39	+44	-34	+57	-63	+20
800	1 000	-100	0	-86	-122	-86	-142	-26	-62	-26	-82	0	-36
				-14	+122	-14	+142	-74	+62	-74	+82	-100	+36
				0	+108	+6	+122	-60	+48	-54	+62	-86	+22
1 000	1 250	-125	0	-98	-140	-98	-164	-28	-70	-28	-94	0	-42
				-27	+140	-27	+164	-97	+70	-97	+94	-125	+42
				-10	+123	-3	+140	-80	+53	-73	+70	-108	+25
1 250	1 600	-160	0	-110	-160	-110	-188	-30	-80	-30	-108	0	-50
				-50	+160	-50	+188	-130	+80	-130	+108	-160	+50
				-29	+139	-20	+158	-109	+59	-100	+78	-139	+29
1 600	2 000	-200	0	-120	-180	-120	-212	-32	-92	-32	-124	0	-60
				-80	+180	-80	+212	-168	+92	-168	+124	-200	+60
				-55	+155	-45	+177	-143	+67	-133	+89	-175	+35