

table 10 - Housing tolerances and resultant fits

Housing Nominal bore diameter D		Bearing Outside diameter tolerance t_{Dmp}		Housing bore diameter deviations, resultant fits ¹⁾ Tolerance classes									
>	≤	U	L	K6 [Ⓔ]		K7 [Ⓔ]		M5 [Ⓔ]		M6 [Ⓔ]		M7 [Ⓔ]	
				Deviations (housing bore diameter)									
				Theoretical interference (-)/clearance (+)									
				Probable interference (-)/clearance (+)									
mm		μm		μm									
6	10	0	-8	-7	+2	-10	+5	-10	-4	-12	-3	-15	0
				-7	+10	-10	+13	-10	+4	-12	+5	-15	+8
				-5	+8	-7	+10	-8	+2	-10	+3	-12	+5
10	18	0	-8	-9	+2	-12	+6	-12	-4	-15	-4	-18	0
				-9	+10	-12	+14	-12	+4	-15	+4	-18	+8
				-7	+8	-9	+11	-10	+2	-13	+2	-15	+5
18	30	0	-9	-11	+2	-15	+6	-14	-4	-17	-4	-21	0
				-11	+11	-15	+15	-14	+4	-17	+5	-21	+9
				-8	+8	-12	+12	-12	+2	-14	+2	-18	+6
30	50	0	-11	-13	+3	-18	+7	-16	-5	-20	-4	-25	0
				-13	+14	-18	+18	-16	+6	-20	+7	-25	+11
				-10	+11	-14	+14	-13	+3	-17	+4	-21	+7
50	80	0	-13	-15	+4	-21	+9	-19	-6	-24	-5	-30	0
				-15	+17	-21	+22	-19	+7	-24	+8	-30	+13
				-11	+13	-16	+17	-16	+4	-20	+4	-25	+8
80	120	0	-15	-18	+4	-25	+10	-23	-8	-28	-6	-35	0
				-18	+19	-25	+25	-23	+7	-28	+9	-35	+15
				-13	+14	-20	+20	-19	+3	-23	+4	-30	+10
120	150	0	-18	-21	+4	-28	+12	-27	-9	-33	-8	-40	0
				-21	+22	-28	+30	-27	+9	-33	+10	-40	+18
				-15	+16	-21	+23	-22	+4	-27	+4	-33	+11
150	180	0	-25	-21	+4	-28	+12	-27	-9	-33	-8	-40	0
				-21	+29	-28	+37	-27	+16	-33	+17	-40	+25
				-14	+22	-20	+29	-21	+10	-26	+10	-32	+17
180	250	0	-30	-24	+5	-33	+13	-31	-11	-37	-8	-46	0
				-24	+35	-33	+43	-31	+19	-37	+22	-46	+30
				-16	+27	-23	+33	-25	+13	-29	+14	-36	+20
250	315	0	-35	-27	+5	-36	+16	-36	-13	-41	-9	-52	0
				-27	+40	-36	+51	-36	+22	-41	+26	-52	+35
				-18	+31	-24	+39	-28	+14	-32	+17	-40	+23
315	400	0	-40	-29	+7	-40	+17	-39	-14	-46	-10	-57	0
				-29	+47	-40	+57	-39	+26	-46	+30	-57	+40

				-18	+36	-27	+44	-31	+18	-35	+19	-44	+27
400	500	0	-45	-32	+8	-45	+18	-43	-16	-50	-10	-63	0
				-32	+53	-45	+63	-43	+29	-50	+35	-63	+45
				-20	+41	-30	+48	-34	+20	-38	+23	-48	+30
500	630	0	-50	-44	0	-70	0	-	-	-70	-26	-96	-26
				-44	+50	-70	+50	-	-	-70	+24	-96	+24
				-31	+37	-54	+34	-	-	-57	+11	-80	+8
630	800	0	-75	-50	0	-80	0	-	-	-80	-30	-110	-30
				-50	+75	-80	+75	-	-	-80	+45	-110	+45
				-33	+58	-58	+53	-	-	-63	+28	-88	+23
800	1 000	0	-100	-56	0	-90	0	-	-	-90	-34	-124	-34
				-56	+100	-90	+100	-	-	-90	+66	-124	+66
				-36	+80	-63	+73	-	-	-70	+46	-97	+39
1 000	1 250	0	-125	-66	0	-105	0	-	-	-106	-40	-145	-40
				-66	+125	-105	+125	-	-	-106	+85	-145	+85
				-42	+101	-72	+92	-	-	-82	+61	-112	+52
1 250	1 600	0	-160	-78	0	-125	0	-	-	-126	-48	-173	-48
				-78	+160	-125	+160	-	-	-126	+112	-173	+112
				-48	+130	-85	+120	-	-	-96	+82	-133	+72
1 600	2 000	0	-200	-92	0	-150	0	-	-	-158	-58	-208	-58
				-92	+200	-150	+200	-	-	-150	+142	-208	+142
				-57	+165	-100	+150	-	-	-115	+107	-158	+92
2 000	2 500	0	-250	-110	0	-175	0	-	-	-178	-68	-243	-68
				-110	+250	-175	+250	-	-	-178	+182	-243	+182
				-67	+207	-116	+191	-	-	-135	+139	-184	+123