

table 11 - Housing tolerances and resultant fits

Housing Nominal bore diameter		Bearing Outside diameter tolerance		Housing bore diameter deviations, resultant fits <sup>1)</sup> Tolerance classes									
D		t <sub>ΔDmp</sub>		N6 <sup>Ⓔ</sup>				N7 <sup>Ⓔ</sup>		P6 <sup>Ⓔ</sup>		P7 <sup>Ⓔ</sup>	
				Deviations (housing bore diameter)									
				Theoretical interference (-)/clearance (+)									
				Probable interference (-)/clearance (+)									
>	≤	U	L										
mm		μm		μm									
6	10	0	-8	-16	-7	-19	-4	-21	-12	-24	-9		
				-16	+1	-19	+4	-21	-4	-24	-1		
				-14	-1	-16	+1	-19	-6	-21	-4		
10	18	0	-8	-20	-9	-23	-5	-26	-15	-29	-11		
				-20	-1	-23	+3	-26	-7	-29	-3		
				-18	-3	-20	0	-24	-9	-26	-6		
18	30	0	-9	-24	-11	-28	-7	-31	-18	-35	-14		
				-24	-2	-28	+2	-31	-9	-35	-5		
				-21	-5	-25	-1	-28	-12	-32	-8		
30	50	0	-11	-28	-12	-33	-8	-37	-21	-42	-17		
				-28	-1	-33	+3	-37	-10	-42	-6		
				-25	-4	-29	-1	-34	-13	-38	-10		
50	80	0	-13	-33	-14	-39	-9	-45	-26	-51	-21		
				-33	-1	-39	+4	-45	-13	-51	-8		
				-29	-5	-34	-1	-41	-17	-46	-13		
80	120	0	-15	-38	-16	-45	-10	-52	-30	-59	-24		
				-38	-1	-45	+5	-52	-15	-59	-9		
				-33	-6	-40	0	-47	-20	-54	-14		
120	150	0	-18	-45	-20	-52	-12	-61	-36	-68	-28		
				-45	-2	-52	+6	-61	-18	-68	-10		
				-39	-8	-45	-1	-55	-24	-61	-17		
150	180	0	-25	-45	-20	-52	-12	-61	-36	-68	-28		
				-45	+5	-52	+13	-61	-11	-68	-3		
				-38	-2	-44	+5	-54	-18	-60	-11		
180	250	0	-30	-51	-22	-60	-14	-70	-41	-79	-33		
				-51	+8	-60	+16	-70	-11	-79	-3		
				-43	0	-50	+6	-62	-19	-69	-13		
250	315	0	-35	-57	-25	-66	-14	-79	-47	-88	-36		
				-57	+10	-66	+21	-79	-12	-88	-1		
				-48	+1	-54	+9	-70	-21	-76	-13		
315	400	0	-40	-62	-26	-73	-16	-87	-51	-98	-41		
				-62	+14	-73	+24	-87	-11	-98	-1		

				-51	+3	-60	+11	-76	-22	-85	-14
400	500	0	-45	-67	-27	-80	-17	-95	-55	-108	-45
				-67	+18	-80	+28	-95	-10	-108	0
				-55	+6	-65	+13	-83	-22	-93	-15
500	630	0	-50	-88	-44	-114	-44	-122	-78	-148	-78
				-88	+6	-114	+6	-122	-28	-148	-28
				-75	-7	-98	-10	-109	-41	-132	-44
630	800	0	-75	-100	-50	-130	-50	-138	-88	-168	-88
				-100	+25	-130	+25	-138	-13	-168	-13
				-83	+8	-108	+3	-121	-30	-146	-35
800	1 000	0	-100	-112	-56	-146	-56	-156	-100	-190	-100
				-112	+44	-146	+44	-156	0	-190	0
				-92	+24	-119	+17	-136	-20	-163	-27
1 000	1 250	0	-125	-132	-66	-171	-66	-186	-120	-225	-120
				-132	+59	-171	+59	-186	+5	-225	+5
				-108	+35	-138	+26	-162	-19	-192	-28
1 250	1 600	0	-160	-156	-78	-203	-78	-218	-140	-265	-140
				-156	+82	-203	+82	-218	+20	-265	+20
				-126	+52	-163	+42	-188	-10	-225	-20
1 600	2 000	0	-200	-184	-92	-242	-92	-262	-170	-320	-170
				-184	+108	-242	+108	-262	+30	-320	+30
				-149	+73	-192	+58	-227	-5	-270	-20
2 000	2 500	0	-250	-220	-110	-285	-110	-305	-195	-370	-195
				-220	+140	-285	+140	-305	+55	-370	+55
				-177	+97	-226	+81	-262	+12	-311	-4