

table 5 - 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	n6 [Ⓔ]		p6 [Ⓔ]		p7 [Ⓔ]		r6 [Ⓔ]		r7 [Ⓔ]	
				Deviations (shaft diameter)									
				Theoretical interference (-)									
				Probable interference (-)									
mm		μm		μm									
50	80	-15	0	+39	+20	+51	+32	+62	+32	-	-	-	-
				-54	-20	-66	-32	-77	-32	-	-	-	-
				-50	-24	-62	-36	-72	-38	-	-	-	-
80	100	-20	0	+45	+23	+59	+37	+72	+37	+73	+51	+86	+51
				-65	-23	-79	-37	-92	-37	-93	-51	-106	-51
				-59	-29	-73	-43	-85	-44	-87	-57	-99	-58
100	120	-20	0	+45	+23	+59	+37	+72	+37	+76	+54	+89	+54
				-65	-23	-79	-37	-92	-37	-96	-54	-109	-54
				-59	-29	-73	-43	-85	-44	-90	-60	-102	-61
120	140	-25	0	+52	+27	+68	+43	+83	+43	+88	+63	+103	+63
				-77	-27	-93	-43	-108	-43	-113	-63	-128	-63
				-70	-34	-86	-50	-100	-51	-106	-70	-120	-71
140	160	-25	0	+52	+27	+68	+43	+83	+43	+90	+65	+105	+65
				-77	-27	-93	-43	-108	-43	-115	-65	-130	-65
				-70	-34	-86	-50	-100	-51	-108	-72	-122	-73
160	180	-25	0	+52	+27	+68	+43	+83	+43	+93	+68	+108	+68
				-77	-27	-93	-43	-108	-43	-118	-68	-133	-68
				-70	-34	-86	-50	-100	-51	-111	-75	-125	-76
180	200	-30	0	+60	+31	+79	+50	+96	+50	+106	+77	+123	+77
				-90	-31	-109	-50	-126	-50	-136	-77	-153	-77
				-82	-39	-101	-58	-116	-60	-128	-85	-143	-87
200	225	-30	0	+60	+31	+79	+50	+96	+50	+109	+80	+126	+80
				-90	-31	-109	-50	-126	-50	-139	-80	-156	
				-82	-39	-101	-58	-116	-60	-131	-88	-146	-90
225	250	-30	0	+60	+31	+79	+50	+96	+50	+113	+84	+130	+84
				-90	-31	-109	-50	-126	-50	-143	-84	-160	-84
				-82	-39	-101	-58	-116	-60	-135	-92	-150	-94
250	280	-35	0	+66	+34	+88	+56	+108	+56	+126	+94	+146	+94
				-101	-34	-123	-56	-143	-56	-161	-94	-181	-94
				-92	-43	-114	-65	-131	-68	-152	-103	-169	-106
280	315	-35	0	+66	+34	+88	+56	+108	+56	+130	+98	+150	+98
				-101	-34	-123	-56	-143	-56	-165	-98	-185	-98

				-92	-43	-114	-65	-131	-68	-156	-107	-173	-110
315	355	-40	0	+73	+37	+98	+62	+119	+62	+144	+108	+165	+108
				-113	-37	-138	-62	-159	-62	-184	-108	-205	-108
				-102	-48	-127	-73	-146	-75	-173	-119	-192	-121
355	400	-40	0	+73	+37	+98	+62	+119	+62	+150	+114	+171	+114
				-113	-37	-138	-62	-159	-62	-190	-114	-211	-114
				-102	-48	-127	-73	-146	-75	-179	-125	-198	-127
400	450	-45	0	+80	+40	+108	+68	+131	+68	+166	+126	+189	+126
				-125	-40	-153	-68	-176	-68	-211	-126	-234	-126
				-113	-52	-141	-80	-161	-83	-199	-138	-219	-141
450	500	-45	0	+80	+40	+108	+68	+131	+68	+172	+132	+195	+132
				-125	-40	-153	-68	-176	-68	-217	-132	-240	-132
				-113	-52	-141	-80	-161	-83	-205	-144	-225	-147
500	560	-50	0	+88	+44	+122	+78	+148	+78	+194	+150	+220	+150
				-138	-44	-172	-78	-198	-78	-244	-150	-270	-150
				-125	-57	-159	-91	-182	-94	-231	-163	-254	-166
560	630	-50	0	+88	+44	+122	+78	+148	+78	+199	+155	+225	+155
				-138	-44	-172	-78	-198	-78	-249	-155	-275	-155
				-125	-57	-159	-91	-182	-94	-236	-168	-259	-171
630	710	-75	0	+100	+50	+138	+88	+168	+88	+225	+175	+255	+175
				-175	-50	-213	-88	-243	-88	-300	-175	-330	-175
				-158	-67	-196	-105	-221	-110	-283	-192	-308	-197
710	800	-75	0	+100	+50	+138	+88	+168	+88	+235	+185	+265	+185
				-175	-50	-213	-88	-243	-88	-310	-185	-340	-185
				-158	-67	-196	-105	-221	-110	-293	-202	-318	-207
800	900	-100	0	+112	+56	+156	+100	+190	+100	+266	+210	+300	+210
				-212	-56	-256	-100	-290	-100	-366	-210	-400	-210
				-192	-76	-236	-120	-263	-127	-346	-230	-373	-237
900	1 000	-100	0	+112	+56	+156	+100	+190	+100	+276	+220	+310	+220
				-212	-56	-256	-100	-290	-100	-376	-220	-410	-220
				-192	-76	-236	-120	-263	-127	-356	-240	-383	-247
1 000	1 120	-125	0	+132	+66	+186	+120	+225	+120	+316	+250	+355	+250
				-257	-66	-311	-120	-350	-120	-441	-250	-480	-250
				-233	-90	-287	-144	-317	-153	-417	-274	-447	-283
1 120	1 250	-125	0	+132	+66	+186	+120	+225	+120	+326	+260	+365	+260
				-257	-66	-311	-120	-350	-120	-451	-260	-490	-260
				-233	-90	-287	-144	-317	-153	-427	-284	-457	-293
1 250	1 400	-160	0	+156	+78	+218	+140	+265	+140	+378	+300	+425	+300
				-316	-78	-378	-140	-425	-140	-538	-300	-585	-300
				-286	-108	-348	-170	-385	-180	-508	-330	-545	-340
1 400	1 600	-160	0	+156	+78	+218	+140	+265	+140	+408	+330	+455	+330

				-316	-78	-378	-140	-425	-140	-568	-330	-615	-330
				-286	-108	-348	-170	-385	-180	-538	-360	-575	-370
1 600	1 800	-200	0	+184	+92	+262	+170	+320	+170	+462	+370	+520	+370
				-384	-92	-462	-170	-520	-170	-662	-370	-720	-370
				-349	-127	-427	-205	-470	-220	-627	-405	-670	-420
1 800	2 000	-200	0	+184	+92	+262	+170	+320	+170	+492	+400	+550	+400
				-384	-92	-462	-170	-520	-170	-692	-400	-750	-400
				-349	-127	-427	-205	-470	-220	-657	-435	-700	-450