

table 6 - Shaft tolerances and resultant fits

Shaft Nominal diameter d		Bearing Bore diameter tolerance $t_{Admp}$		Shaft diameter deviations, resultant fits <sup>1)</sup> Tolerance classes			
over	incl.	low	high	r6+IT6		r7+IT7	
				Deviations (shaft diameter)			
				Theoretical interference (-)			
				Probable interference (-)			
mm		µm		µm			
315	355	-40	0	+180	+144	+222	+165
				-220	-144	-262	-165
				-209	-155	-248	-179
355	400	-40	0	+186	+150	+228	+171
				-226	-150	-268	-171
				-215	-161	-254	-185
400	450	-45	0	+206	+166	+252	+189
				-251	-166	-297	-189
				-239	-178	-282	-204
450	500	-45	0	+212	+172	+258	+195
				-257	-172	-303	-195
				-245	-184	-288	-210
500	560	-50	0	+238	+194	+290	+220
				-288	-194	-340	-220
				-274	-208	-323	-237
560	630	-50	0	+243	+199	+295	+225
				-293	-199	-345	-225
				-279	-213	-328	-242
630	710	-75	0	+275	+225	+335	+255
				-350	-225	-410	-255
				-333	-242	-387	-278
710	800	-75	0	+285	+235	+345	+265
				-360	-235	-420	-265
				-343	-252	-397	-288
800	900	-100	0	+322	+266	+390	+300
				-422	-266	-490	-300
				-401	-287	-462	-328
900	1 000	-100	0	+332	+276	+400	+310
				-432	-276	-500	-310
				-411	-297	-472	-338
1 000	1 120	-125	0	+382	+316	+460	+355
				-507	-316	-585	-355

				-482	-341	-552	-388
1 120	1 250	-125	0	+392	+326	+470	+365
				-517	-326	-595	-365
				-492	-351	-562	-398
1 250	1 400	-160	0	+456	+378	+550	+425
				-616	-378	-710	-425
				-586	-408	-669	-466
1 400	1 600	-160	0	+486	+408	+580	+455
				-646	-408	-740	-455
				-616	-438	-699	-496
1 600	1 800	-200	0	+554	+462	+670	+520
				-754	-462	-870	-520
				-718	-498	-820	-570
1 800	2 000	-200	0	+584	+492	+700	+550
				-784	-492	-900	-550
				-748	-528	-850	-600