

**Hole dimensional tolerances for regularly used fitting**

Units:  $\mu\text{m}$

Standard dimension (mm)	Hole tolerance range class																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	B10	C9	C10	D8	D9	D10	E7	E8	E9	F6	F7	F8	G6	G7	H6	H7	H8	H9	H10	JS6	JS7	K6	K7	M6	M7	M6	N7	N6	P6	P7	R7	S7	T7	U7	X7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
3	+180	+140	+100	+34	+45	+60	+24	+28	+39	+12	+16	+20	+8	+12	+6	+10	+14	+25	+40	$\pm 5$	0	0	-2	-2	-4	-4	-6	-10	-14	-18	-20	-24	-28	-30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
6	+188	+140	+100	+48	+60	+78	+32	+38	+50	+18	+22	+28	+12	+16	+8	+12	+18	+30	+48	$\pm 6$	+2	+3	-1	0	0	-1	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39	-40	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54	-55	-56	-57	-58	-59	-60	-61	-62	-63	-64	-65	-66	-67	-68	-69	-70	-71	-72	-73	-74	-75	-76	-77	-78	-79	-80	-81	-82	-83	-84	-85	-86	-87	-88	-89	-90	-91	-92	-93	-94	-95	-96	-97	-98	-99	-100	-101	-102	-103	-104	-105	-106	-107	-108	-109	-110	-111	-112	-113	-114	-115	-116	-117	-118	-119	-120	-121	-122	-123	-124	-125	-126	-127	-128	-129	-130	-131	-132	-133	-134	-135	-136	-137	-138	-139	-140	-141	-142	-143	-144	-145	-146	-147	-148	-149	-150	-151	-152	-153	-154	-155	-156	-157	-158	-159	-160	-161	-162	-163	-164	-165	-166	-167	-168	-169	-170	-171	-172	-173	-174	-175	-176	-177	-178	-179	-180	-181	-182	-183	-184	-185	-186	-187	-188	-189	-190	-191	-192	-193	-194	-195	-196	-197	-198	-199	-200	-201	-202	-203	-204	-205	-206	-207	-208	-209	-210	-211	-212	-213	-214	-215	-216	-217	-218	-219	-220	-221	-222	-223	-224	-225	-226	-227	-228	-229	-230	-231	-232	-233	-234	-235	-236	-237	-238	-239	-240	-241	-242	-243	-244	-245	-246	-247	-248	-249	-250	-251	-252	-253	-254	-255	-256	-257	-258	-259	-260	-261	-262	-263	-264	-265	-266	-267	-268	-269	-270	-271	-272	-273	-274	-275	-276	-277	-278	-279	-280	-281	-282	-283	-284	-285	-286	-287	-288	-289	-290	-291	-292	-293	-294	-295	-296	-297	-298	-299	-300	-301	-302	-303	-304	-305	-306	-307	-308	-309	-310	-311	-312	-313	-314	-315	-316	-317	-318	-319	-320	-321	-322	-323	-324	-325	-326	-327	-328	-329	-330	-331	-332	-333	-334	-335	-336	-337	-338	-339	-340	-341	-342	-343	-344	-345	-346	-347	-348	-349	-350	-351	-352	-353	-354	-355	-356	-357	-358	-359	-360	-361	-362	-363	-364	-365	-366	-367	-368	-369	-370	-371	-372	-373	-374	-375	-376	-377	-378	-379	-380	-381	-382	-383	-384	-385	-386	-387	-388	-389	-390	-391	-392	-393	-394	-395	-396	-397	-398	-399	-400	-401	-402	-403	-404	-405	-406	-407	-408	-409	-410	-411	-412	-413	-414	-415	-416	-417	-418	-419	-420	-421	-422	-423	-424	-425	-426	-427	-428	-429	-430	-431	-432	-433	-434	-435	-436	-437	-438	-439	-440	-441	-442	-443	-444	-445	-446	-447	-448	-449	-450	-451	-452	-453	-454	-455	-456	-457	-458	-459	-460	-461	-462	-463	-464	-465	-466	-467	-468	-469	-470	-471	-472	-473	-474	-475	-476	-477	-478	-479	-480	-481	-482	-483	-484	-485	-486	-487	-488	-489	-490	-491	-492	-493	-494	-495	-496	-497	-498	-499	-500	-501	-502	-503	-504	-505	-506	-507	-508	-509	-510	-511	-512	-513	-514	-515	-516	-517	-518	-519	-520	-521	-522	-523	-524	-525	-526	-527	-528	-529	-530	-531	-532	-533	-534	-535	-536	-537	-538	-539	-540	-541	-542	-543	-544	-545	-546	-547	-548	-549	-550	-551	-552	-553	-554	-555	-556	-557	-558	-559	-560	-561	-562	-563	-564	-565	-566	-567	-568	-569	-570	-571	-572	-573	-574	-575	-576	-577	-578	-579	-580	-581	-582	-583	-584	-585	-586	-587	-588	-589	-590	-591	-592	-593	-594	-595	-596	-597	-598	-599	-600	-601	-602	-603	-604	-605	-606	-607	-608	-609	-610	-611	-612	-613	-614	-615	-616	-617	-618	-619	-620	-621	-622	-623	-624	-625	-626	-627	-628	-629	-630	-631	-632	-633	-634	-635	-636	-637	-638	-639	-640	-641	-642	-643	-644	-645	-646	-647	-648	-649	-650	-651	-652	-653	-654	-655	-656	-657	-658	-659	-660	-661	-662	-663	-664	-665	-666	-667	-668	-669	-670	-671	-672	-673	-674	-675	-676	-677	-678	-679	-680	-681	-682	-683	-684	-685	-686	-687	-688	-689	-690	-691	-692	-693	-694	-695	-696	-697	-698	-699	-700	-701	-702	-703	-704	-705	-706	-707	-708	-709	-710	-711	-712	-713	-714	-715	-716	-717	-718	-719	-720	-721	-722	-723	-724	-725	-726	-727	-728	-729	-730	-731	-732	-733	-734	-735	-736	-737	-738	-739	-740	-741	-742	-743	-744	-745	-746	-747	-748	-749	-750	-751	-752	-753	-754	-755	-756	-757	-758	-759	-760	-761	-762	-763	-764	-765	-766	-767	-768	-769	-770	-771	-772	-773	-774	-775	-776	-777	-778	-779	-780	-781	-782	-783	-784	-785	-786	-787	-788	-789	-790	-791	-792	-793	-794	-795	-796	-797	-798	-799	-800	-801	-802	-803	-804	-805	-806	-807	-808	-809	-810	-811	-812	-813	-814	-815	-816	-817	-818	-819	-820	-821	-822	-823	-824	-825	-826	-827	-828	-829	-830	-831	-832	-833	-834	-835	-836	-837	-838	-839	-840	-841	-842	-843	-844	-845	-846	-847	-848	-849	-850	-851	-852	-853	-854	-855	-856	-857	-858	-859	-860	-861	-862	-863	-864	-865	-866	-867	-868	-869	-870	-871	-872	-873	-874	-875	-876	-877	-878	-879	-880	-881	-882	-883	-884	-885	-886	-887	-888	-889	-890	-891	-892	-893	-894	-895	-896	-897	-898	-899	-900	-901	-902	-903	-904	-905	-906	-907	-908	-909	-910	-911	-912	-913	-914	-915	-916	-917	-918	-919	-920	-921	-922	-923	-924	-925	-926	-927	-928	-929	-930	-931	-932	-933	-934	-935	-936	-937	-938	-939	-940	-941	-942	-943	-944	-945	-946	-947	-948	-949	-950	-951	-952	-953	-954	-955	-956	-957	-958	-959	-960	-961	-962	-963	-964	-965	-966	-967	-968	-969	-970	-971	-972	-973	-974	-975	-976	-977	-978	-979	-980	-981	-982	-983	-984	-985	-986	-987	-988	-989	-990	-991	-992	-993	-994	-995	-996	-997	-998	-999	-1000	-1001	-1002	-1003	-1004	-1005	-1006	-1007	-1008	-1009	-1010	-1011	-1012	-1013	-1014	-1015	-1016	-1017	-1018	-1019	-1020	-1021	-1022	-1023	-1024	-1025	-1026	-1027	-1028	-1029	-1030	-1031	-1032	-1033	-1034	-1035	-1036	-1037	-1038	-1039	-1040	-1041	-1042	-1043	-1044	-1045	-1046	-1047	-1048	-1049	-1050	-1051	-1052	-1053	-1054	-1055	-1056	-1057	-1058	-1059	-1060	-1061	-1062	-1063	-1064	-1065	-1066	-1067	-1068	-1069	-1070	-1071	-1072	-1073	-1074	-1075	-1076	-1077	-1078	-1079	-1080	-1081	-1082	-1083	-1084	-1085	-1086	-1087	-1088	-1089	-1090	-1091	-1092	-1093	-1094	-1095	-1096	-1097	-1098	-1099	-1100	-1101	-1102	-1103	-1104	-1105	-1106	-1107	-1108	-1109	-1110	-1111	-1112	-1113	-1114	-1115	-1116	-1117	-1118	-1119	-1120	-1121	-1122	-1123	-1124	-1125	-1126	-1127	-1128	-1129	-1130	-1131	-1132	-1133	-1134	-1135	-1136	-1137	-1138	-1139	-1140	-1141	-1142	-1143	-1144	-1145	-1146	-1147	-1148	-1149	-1150	-1151	-1152	-1153	-1154	-1155	-1156	-1157	-1158	-1159	-1160	-1161	-1162	-1163	-1164	-1165	-1166	-1167	-1168	-1169	-1170	-1171	-1172	-1173	-1174	-1175	-1176	-1177	-1178	-1179	-1180	-1181	-1182	-1183	-1184	-1185	-1186	-1187	-1188	-1189	-1190	-1191	-1192	-1193	-1194	-1195	-1196	-1197	-1198	-1199	-1200	-1201	-1202	-1203	-1204	-1205	-1206	-1207	-1208	-1209	-1210	-1211	-1212	-1213	-1214	-1215	-1216	-1217	-1218	-1219	-1220	-1221	-1222	-1223	-1224	-1225	-1226	-1227	-1228	-1229	-1230	-1231	-1232	-1233	-1234	-1235	-1236	-1237	-1238	-1239	-1240	-1241	-1242	-1243	-1244	-1245	-1246	-1247	-1248	-1249	-1250	-1251	-1252	-1253	-1254	-1255	-1256	-1257	-1258	-1259	-1260	-1261	-1262	-1263	-1264	-1265	-1266	-1267	-1268	-1269	-1270	-1271	-1272	-1273	-1274	-1275	-1276	-1277	-1278	-1279	-1280	-1281	-1282	-1283	-1284	-1285	-1286	-1287	-1288	-1289	-1290	-1291	-1292	-1293	-1294	-1295	-1296	-1297	-1298	-1299	-1300	-1301	-1302	-1303	-1304	-1305	-1306	-1307	-1308	-1309	-1310	-1311	-1312	-1313	-1314	-1315	-1316	-1317	-1318	-1319	-1320	-1321	-1322	-1323	-1324	-1325	-1326	-1327	-1328	-1329	-1330	-1331	-1332	-1333	-1334	-1335	-1336	-1337	-1338	-1339	-1340	-1341	-1342	-1343	-1344	-1345	-1346	-1347	-1348	-1349	-1350	-1351	-1352	-1353	-1354	-1355	-1356	-1357	-1358	-1359	-1360	-1361	-1362	-1363	-1364	-1365	-1366	-1367	-1368	-1369	-1370	-1371	-1372	-1373	-1374	-1375	-1376	-1377	-1378	-1379	-1380</