

Table 8.2 Selected ISO fits. Holes basis

Nominal sizes		Clearance fits										Transition fits										Interference fits					
		To (mm)	H11 (0.001 mm)	c11	H9 (0.001 mm)	d10	H9 (0.001 mm)	e9 (0.001 mm)	H8 (0.001 mm)	f7 (0.001 mm)	H7 (0.001 mm)	g6 (0.001 mm)	H7 (0.001 mm)	h6 (0.001 mm)	H7 (0.001 mm)	k6 (0.001 mm)	H7 (0.001 mm)	n6 (0.001 mm)	H7 (0.001 mm)	p6 (0.001 mm)	H7 (0.001 mm)	s6 (0.001 mm)					
3	3	+60 0	-60 -120	+25 0	-20 -60	+25 0	-14 -39	+14 0	-6 -16	+10 0	-2 -8	+10 0	-6 0	+10 0	+6 0	+10 0	+10 0	+10 +4	+10 0	+12 +6	+10 0	+20 +14					
6	6	+75 0	-70 -145	+30 0	-30 -78	+30 0	-20 -50	+18 0	-10 -22	+12 0	-4 -12	+12 0	-8 0	+12 0	+9 +1	+12 0	+16 +8	+12 0	+12 +2	+12 0	+27 +19						
10	10	+90 0	-80 -170	+36 0	-40 -98	+36 0	-25 -61	+22 0	-13 -28	+15 0	-5 -14	+15 0	-9 0	+15 0	+10 +1	+15 0	+19 +10	+15 0	+15 +24	+15 0	+32 +23						
18	18	+110 0	-95 -205	+43 0	-50 -120	+43 0	-32 -73	+27 0	-16 -34	+18 0	-6 -17	+18 0	-11 0	+18 0	+12 +1	+18 0	+23 +12	+18 0	+29 +18	+18 0	+39 +28						
30	30	+130 0	-110 -240	+52 0	-65 -149	+52 0	-40 -92	+33 0	-20 -41	+21 0	-7 -20	+21 0	-13 0	+21 0	+15 +2	+21 0	+28 +15	+21 0	+35 +22	+21 0	+48 +35						
40	40	+160 0	-120 -280	+62 0	-80 -180	+62 0	-50 -112	+39 0	-25 -50	+25 0	-9 -25	+25 0	-16 0	+25 0	+18 +2	+25 0	+33 +17	+25 0	+42 +26	+25 0	+59 +43						
50	50	+190 0	-130 -330	+74 0	-100 -220	+74 0	-60 -134	+46 0	-30 -60	+30 0	-10 -29	+30 0	-19 0	+30 0	+21 +2	+30 0	+39 +20	+30 0	+51 +32	+30 0	+72 +53						
65	65	+190 0	-150 -340	+74 0	-120 -260	+74 0	-72 -159	+54 0	-36 -71	+35 0	-12 -34	+35 0	-22 0	+35 0	+25 +3	+35 0	+45 +23	+35 0	+59 +37	+35 0	+93 +71						
80	80	+220 0	-170 -390	+87 0	-145 -305	+87 0	-84 -185	+63 0	-43 -83	+40 0	-14 -39	+40 0	-25 0	+40 0	+28 +3	+40 0	+52 +27	+40 0	+68 +43	+40 0	+100 +79						
100	100	+250 0	-200 -450	+100 0	-170 -355	+100 0	-100 -215	+72 0	-50 -96	+46 0	-15 -44	+46 0	-29 0	+46 0	+33 +4	+46 0	+60 +31	+46 0	+79 +50	+46 0	+151 +122						
120	120	+250 0	-210 -460	+100 0	-190 -400	+100 0	-110 -240	+81 0	-56 -108	+52 0	-17 -49	+52 0	-32 0	+52 0	+36 +4	+52 0	+66 +34	+52 0	+88 +56	+52 0	+190 +158						
140	140	+250 0	-220 -480	+100 0	-210 -440	+100 0	-125 -265	+89 0	-62 -119	+57 0	-18 -54	+57 0	-36 0	+57 0	+40 +4	+57 0	+73 +37	+57 0	+98 +62	+57 0	+226 +190						
160	160	+290 0	-240 -530	+115 0	-230 -480	+115 0	-135 -290	+97 0	-68 -131	+63 0	-20 -60	+63 0	-40 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
180	180	+290 0	-250 -540	+115 0	-250 -500	+115 0	-155 -310	+97 0	-68 -131	+63 0	-20 -60	+63 0	-40 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
200	200	+290 0	-260 -550	+115 0	-270 -520	+115 0	-175 -330	+105 0	-88 -161	+63 0	-25 -75	+63 0	-45 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
225	225	+290 0	-280 -570	+115 0	-290 -590	+115 0	-200 -400	+120 0	-108 -201	+63 0	-30 -80	+63 0	-50 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
250	250	+320 0	-300 -620	+130 0	-310 -640	+130 0	-220 -440	+130 0	-156 -276	+63 0	-40 -90	+63 0	-60 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
280	280	+320 0	-330 -650	+130 0	-330 -660	+130 0	-240 -460	+130 0	-180 -300	+63 0	-45 -95	+63 0	-65 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
315	315	+360 0	-360 -720	+140 0	-360 -720	+140 0	-260 -520	+140 0	-200 -400	+63 0	-50 -100	+63 0	-70 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
355	355	+360 0	-400 -800	+155 0	-400 -800	+155 0	-280 -560	+155 0	-220 -440	+63 0	-55 -110	+63 0	-75 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
400	400	+400 0	-440 -880	+155 0	-440 -880	+155 0	-300 -600	+155 0	-240 -480	+63 0	-60 -120	+63 0	-80 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						
450	450	+400 0	-480 -960	+155 0	-480 -960	+155 0	-320 -640	+155 0	-260 -520	+63 0	-65 -130	+63 0	-85 0	+63 0	+45 +5	+63 0	+80 +40	+63 0	+108 +68	+63 0	+272 +232						

Reproduced from BS 4500, data sheet 4500A.

Reproduced from BS 4500, data sheet 4500A.

**Table 8.3** Selected ISO fits. Shafts basis

Nominal sizes		Clearance fits										Transition fits				Interference fits							
		To Over (mm)	h11 (mm)	C11 (0.001 mm)	Tolerance (0.001 mm)	D10 h9	Tolerance (0.001 mm)	E9 h9	Tolerance (0.001 mm)	F8 h7	Tolerance (0.001 mm)	G7 h6	Tolerance (0.001 mm)	H7 h6	Tolerance (0.001 mm)	K7 h6	Tolerance (0.001 mm)	N7 h6	Tolerance (0.001 mm)	P7 h6	Tolerance (0.001 mm)	S7 h6	
3	3	0	-60	+120	+60	0	-25	0	+39	0	+20	+6	0	+12	0	+10	0	0	-6	0	-6	0	-14
3	6	0	-75	+145	+70	0	-30	0	+50	0	+28	+10	0	+16	0	+12	0	+3	0	-8	0	-8	0
6	10	0	-90	+170	+80	0	-36	0	+61	0	+35	+13	0	+20	0	+15	0	+5	0	-9	0	-9	0
10	18	0	-110	+205	+95	0	-43	0	+75	0	+43	+16	0	+24	0	+18	0	+6	0	-11	0	-11	0
18	30	0	-130	+240	+110	0	-52	0	+92	0	+53	+20	0	+28	0	+21	0	+6	0	-13	0	-13	0
30	40	0	-160	+280	+120	0	-62	0	+112	0	+64	+25	0	+34	0	+25	0	+7	0	-16	0	-16	0
40	50	0	-160	+290	+130	0	-62	0	+112	0	+64	+25	0	+34	0	+25	0	+7	0	-16	0	-16	0
50	65	0	-190	+330	+140	0	-74	0	+134	0	+76	+30	0	+40	0	+30	0	+9	0	-19	0	-19	0
65	80	0	-190	+340	+150	0	-74	0	+134	0	+76	+30	0	+40	0	+30	0	+9	0	-19	0	-19	0
80	100	0	-220	+390	+170	0	-87	0	+159	0	+90	+36	0	+47	0	+35	0	+10	0	-22	0	-22	0
100	120	0	-220	+400	+180	0	-87	0	+159	0	+90	+36	0	+47	0	+35	0	+10	0	-22	0	-22	0
120	140	0	-250	+450	+200	0	-100	0	+185	0	+106	+43	0	+54	0	+40	0	+12	0	-25	0	-25	0
140	160	0	-250	+460	+210	0	-100	0	+185	0	+106	+43	0	+54	0	+40	0	+12	0	-25	0	-25	0
160	180	0	-250	+480	+230	0	-100	0	+185	0	+106	+43	0	+54	0	+40	0	+12	0	-25	0	-25	0
180	200	0	-290	+530	+240	0	-115	0	+215	0	+122	+50	0	+61	0	+46	0	+13	0	-29	0	-29	0
200	225	0	-290	+550	+260	0	-115	0	+215	0	+122	+50	0	+61	0	+46	0	+13	0	-29	0	-29	0
225	250	0	-290	+570	+280	0	-130	0	+240	0	+137	+56	0	+62	0	+52	0	+16	0	-32	0	-32	0
250	280	0	-320	+620	+300	0	-130	0	+240	0	+137	+56	0	+62	0	+52	0	+16	0	-32	0	-32	0
280	315	0	-320	+650	+330	0	-140	0	+265	0	+151	+62	0	+75	0	+57	0	+17	0	-36	0	-36	0
315	355	0	-360	+720	+360	0	-140	0	+265	0	+151	+62	0	+75	0	+57	0	+17	0	-36	0	-36	0
355	400	0	-360	+760	+400	0	-140	0	+265	0	+151	+62	0	+75	0	+57	0	+17	0	-36	0	-36	0
400	450	0	-400	+840	+440	0	-155	0	+290	0	+165	+68	0	+83	0	+63	0	+18	0	-40	0	-40	0
450	500	0	-400	+880	+480	0	-155	0	+290	0	+165	+68	0	+83	0	+63	0	+18	0	-40	0	-40	0

I.S.O. GRENSMATE (0,001mm)											
PAS	LOSPAS	LOS-LOOP	LOOPPAS	AKK. LOOP	GLYPAS		SKUIFPAS	STRAMPAS	STOOTPAS	PERSPAS	
NOM MAAT	H8 d9	H8 e8	H8 f8	H7 f7	H7 g6	H6 g5	H8 h7	H8 j7	H7 k6	H7 p6	H7 s6
3,01-6	+18 -30 +0 -60	+18 -20 +0 -36	+18 -10 +0 -28	+12 -10 +0 -22	+12 -4 +0 -12	+8 -4 +0 -9	+18 -0 +0 -12	+18 +9 +0 -3	+12 -0 +0 -0	+12 +20 +0 +12	+12 +27 +0 +19
6,01-10	+22 -40 +0 -75	+22 -25 +0 -47	+22 -13 +0 -75	+15 -13 +0 -28	+15 -5 +0 -14	+9 -5 +0 -11	+22 -0 +0 -15	+22 +10 +0 -5	+15 +10 +0 +1	+15 +24 +0 +15	+15 +32 +0 +23
10,01-18	+27 -50 +0 -93	+27 -32 +0 -59	+27 -16 +0 -43	+18 -16 +0 -34	+18 -6 +0 -17	+11 -6 +0 -14	+27 -0 +0 -18	+27 +12 +0 -6	+18 +12 +0 +1	+18 +29 +0 +18	+18 +39 +0 +28
18,01-30	+33 -65 +0 -117	+33 -40 +0 -73	+33 -20 +0 -53	+21 -20 +0 -41	+21 -7 +0 -20	+3 -7 +0 -16	+33 -0 +0 -21	+33 +13 +0 -8	+21 +15 +0 +2	+21 +35 +0 +22	+21 +48 +0 +35
30,01-50	+39 -80 +0 -142	+39 -50 +0 -89	+39 -25 +0 -64	+25 -25 +0 -50	+25 -9 +0 -25	+16 -9 +0 -20	+39 -0 +0 -25	+39 +15 +0 -10	+25 +18 +0 +2	+25 +42 +0 +26	+25 +59 +0 +43
50,01-80	+46 -100 +0 -174	+46 -60 +0 -106	+46 -30 +0 -75	+30 -30 +0 -60	+30 -10 +0 -29	+19 -10 +0 -23	+46 -0 +0 -30	+46 +18 +0 -12	+30 +21 +0 +2	+30 +51 +0 +32	+30 +72 +0 +53
80,01-100	+54 -120 +0 -207	+54 -72 +0 -125	+54 -36 +0 -90	+35 -36 +0 -71	+35 -12 +0 -34	+22 -12 +0 -27	+54 -0 +0 -35	+54 +20 +0 -15	+35 +25 +0 +3	+35 +59 +0 +37	+35 +93 +0 +71