

Grupos de diámetros (mm)	Calidades																	
	IT 01	IT 0	IT 1	IT 2	IT 3	IT 4	IT 5	IT 6	IT 7	IT 8	IT 9	IT 10	IT 11	IT 12	IT 13	IT 14	IT 15	IT 16
0<D≤3	0.3	0.5	0.8	1.2	2	3	4	6	10	14	25	40	60	100	140	250*	400*	600*
3<D≤6	0.4	0.6	1	1.5	2.5	4	5	8	12	18	30	48	75	120	180	300	480	750
6<D≤10	0.4	0.6	1	1.5	2.5	4	6	9	15	22	36	58	90	150	220	360	580	900
10<D≤18	0.5	0.8	1.2	2	3	5	8	11	18	27	43	70	110	180	270	430	700	1100
18<D≤30	0.6	1	1.5	2.5	4	6	9	13	21	33	52	84	130	210	330	520	840	1300
30<D≤50	0.6	1	1.5	2.5	4	7	11	16	25	39	62	100	160	250	390	620	1000	1600
50<D≤80	0.8	1.2	2	3	5	8	13	19	30	46	74	120	190	300	460	740	1200	1900
80<D≤120	1	1.5	2.5	4	6	10	15	22	35	54	87	140	220	350	540	870	1400	2200
120<D≤180	1.2	2	3.5	5	8	12	18	25	40	63	100	160	250	400	630	1000	1600	2500
180<D≤250	2	3	4.5	7	10	14	20	29	46	72	115	185	290	460	720	1150	1850	2900
250<D≤315	2.5	4	6	8	12	16	23	32	52	81	130	210	320	520	810	1300	2100	3200
315<D≤400	3	5	7	9	13	18	25	36	57	89	140	230	360	570	890	1400	2300	3600
400<D≤500	4	6	8	10	15	20	27	40	63	97	155	250	400	630	970	1550	2500	4000

Diferencias fundamentales para ejes (valores en micras)

Posición		a*	b*	c	cd	d	e	ef	f	fg	g	h	js**	j			k		m	n	p	r	s	t	u	v	x	y	z	za	zb	zc					
Calidad		Todas las calidades												5 y 6	7	8	4 a 7	≤3 >7	Todas las calidades																		
Diferencia fundamental		Diferencia superior ds												Diferencia inferior di																							
Grupos de diámetros (mm)	<3	-270	-140	-60	-34	-20	-14	-10	-6	-4	-2	0	Diferencia ds = di = IT/2	-2	-4	-6	0	0	+2	+4	+6	+10	+14	-	+18	-	+20	-	+26	+32	+40	+60					
	>3 a 6	-270	-140	-70	-46	-30	-20	-14	-10	-6	-4	0		-2	-4	-	+1	0	+4	+8	+12	+15	+19	-	+23	-	+28	-	+35	+42	+50	+80					
	>6 a 10	-280	-150	-80	-56	-40	-25	-18	-13	-8	-5	0		-2	-5	-	+1	0	+6	+10	+15	+19	+23	-	+28	-	+34	-	+42	+52	+67	+97					
	>10 a 14	-290	-150	-95	-	-50	-32	-	-16	-	-6	0		-3	-6	-	+1	0	+7	+12	+18	+23	+28	-	+33	-	+40	-	+50	+64	+90	+130					
	>14 a 18																									+39	+45	-	+60	+77	+108	+150					
	>18 a 24	-300	-160	-110	-	-65	-40	-	-20	-	-7	0		-4	-8	-	+2	0	+8	+15	+22	+28	+35	-	+41	+47	+54	+63	+73	+98	+136	+188					
	>24 a 30																							+41	+48	+55	+64	+75	+88	+118	+160	+218					
	>30 a 40	-310	-170	-120	-	-80	-50	-	-25	-		0		-5	-10	-	+2	0	+9	+17	+26	+34	+43			+48	+60	+68	+80	+94	+112	+148	+200	+274			
	>40 a 50	-320	-180	-130																						+54	+70	+81	+97	+114	+136	+180	+242	+325			
	>50 a 65	-340	-190	-140	-	-100	-60	-	-30	-		0		-7	-12	-	+2	0	+11	+20	+32					+41	+53	+66	+87	+102	+122	+144	+172	+226	+300	+405	
	>65 a 80	-360	-200	-150																						+43	+59	+75	+102	+120	+146	+174	+210	+274	+360	+480	
	>80 a 100	-380	-220	-170	-	-120	-72	-	-36	-		0		-9	-15	-	+3	0	+13	+23	+37					+51	+71	+91	+124	+146	+178	+214	+258	+335	+445	+585	
	>100 a 120	-410	-240	-180																						+54	+79	+104	+144	+172	+210	+254	+310	+400	+525	+690	
	>120 a 140	-460	-260	-200	-	-145	-85	-	-43	-		0		-11	-18	-	+3	0	+15	+27	+43					+63	+92	+122	+170	+202	+248	+300	+365	+470	+620	+800	
	>140 a 160	-520	-280	-210																						+65	+100	+134	+190	+228	+280	+340	+415	+535	+700	+900	
	>160 a 180	-580	-310	-230	-	-170	-100	-	-50	-		0		-13	-21	-	+4	0	+17	+31	+50					+68	+108	+146	+210	+252	+310	+380	+465	+600	+780	+1000	
	>180 a 200	-660	-340	-240																						+77	+122	+166	+236	+284	+350	+425	+520	+670	+880	+1150	
	>200 a 225	-740	-380	-260	-	-190	-110	-	-56	-		0		-16	-26	-	+4	0	+20	+34	+56					+80	+130	+180	+258	+310	+385	+470	+575	+740	+960	+1250	
	>225 a 250	-820	-420	-280																						+84	+140	+196	+284	+340	+425	+520	+640	+820	+1050	+1350	
	>250 a 280	-920	-460	-300	-	-210	-125	-	-62	-		0		-18	-28	-	+4	0	+21	+37	+62					+94	+158	+218	+315	+385	+475	+580	+710	+920	+1200	+1550	
>280 a 315	-1050	-540	-330	+98									+170													+240	+350	+425	+525	+650	+790	+1000	+1300	+1700			
>315 a 355	-1200	-600	-360	-	-230	-135	-	-68	-		0	-20	-32	-	+5	0	+23	+40	+68					+108	+190	+268	+390	+475	+590	+730	+900	+1150	+1500	+1900			
>355 a 400	-1350	-680	-400																					+114	+208	+294	+435	+530	+660	+820	+1000	+1300	+1650	+2100			
>400 a 450	-1500	-760	-440	-	-230	-135	-	-68	-		0	-20	-32	-	+5	0	+23	+40	+68					+126	+232	+330	+490	+595	+740	+920	+1100	+1450	+1850	+2400			
>450 a 500	-1650	-840	-480																					+132	+252	+360	+540	+660	+820	+1000	+1250	+1600	+2100	+2600			

Diferencias fundamentales para agujeros (valores en micras)

Posición		A*	B*	C	CD	D	E	EF	F	FG	G	H	Js**	J				K				M					N					P			
Calidad		Todas las calidades												6	7	8	5	6	7	8	5	6	7	8	≥9	5	6	7	8	≥9	5	6	7	≥8	
Diferencia fundamental		Diferencia inferior Di											-	Diferencia superior Ds																					
Grupos de diámetros (mm)	<3	+270	+140	+60	+34	+20	+14	+10	+6	+4	+2	0	Diferencia Di = Ds = IT/2	+2	+4	+6	0	0	0	0	-2	-2	-2	-2	-2	-4	-4	-4	-4	-4	-6	-6	-6	-6	
	>3 a 6	+270	+140	+70	+46	+30	+20	+14	+10	+6	+4	0		+5	+6	+10	0	+2	+3	+5	-3	-1	0	+2	-4	-7	-5	-4	-2	0	-11	-9	-8	-12	
	>6 a 10	+280	+150	+80	+56	+40	+25	+18	+13	+8	+5	0		+5	+8	+12	+1	+2	+5	+6	-4	-3	0	+1	-6	-8	-7	-4	-3	0	-13	-12	-9	-15	
	>10 a 18	+290	+150	+95	-	+50	+32	-	+16	-	+6	0		+6	+10	+15	+2	+2	+6	+8	-4	-4	0	+2	-7	-9	-9	-5	-3	0	-15	-15	-11	-18	
	>18 a 30	+300	+160	+110	-	+65	+40	-	+20	-	+7	0		+8	+12	+20	+1	+2	+6	+10	-5	-4	0	+4	-8	-12	-11	-7	-3	0	-19	-18	-14	-22	
	>30 a 40	+310	+170	+120	-	+80	+50	-	+25	-	+9	0		+10	+14	+24	+2	+3	+7	+12	-5	-4	0	+5	-9	-13	-12	-8	-3	0	-22	-21	-17	-26	
	>40 a 50	+320	+180	+130										+13	+18	+28	+3	+4	+9	+14	-6	-5	0	+5	-11	-15	-14	-9	-4	0	-27	-26	-21	-32	
	>50 a 65	+340	+190	+140	-	+100	+60	-	+30	-	+10	0		+16	+22	+34	+2	+4	+10	+16	-8	-6	0	+6	-13	-18	-16	-10	-4	0	-32	-30	-24	-37	
	>65 a 80	+360	+200	+150										+18	+26	+41	+3	+4	+12	+20	-9	-8	0	+8	-15	-21	-20	-12	-4	0	-37	-36	-28	-43	
	>80 a 100	+380	+220	+170	-	+120	+72	-	+36	-	+12	0		+22	+30	+47	+2	+5	+13	+22	-11	-8	0	+9	-17	-25	-22	-14	-5	0	-44	-41	-33	-50	
	>100 a 120	+410	+240	+180										+25	+36	+55	+3	+5	+16	+25	-13	-9	0	+9	-20	-27	-25	-14	-5	0	-49	-47	-36	-56	
	>120 a 140	+460	+260	+200	-	+145	+85	-	+43	-	+14	0		+29	+39	+60	+3	+7	+17	+28	-14	-10	0	+11	-21	-30	-26	-16	-5	0	-55	-51	-41	-62	
	>140 a 160	+520	+280	+210										+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>160 a 180	+580	+310	+230	-	+170	+100	-	+50	-	+15	0		+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>180 a 200	+660	+340	+240										+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>200 a 225	+740	+380	+260	-	+190	+110	-	+56	-	+17	0		+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>225 a 250	+820	+420	+280										+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>250 a 280	+920	+480	+300	-	+210	+125	-	+62	-	+18	0		+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>280 a 315	+1050	+540	+330										+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
	>315 a 355	+1200	+600	+360	-	+230	+135	-	+68	-	+20	0		+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68	
>355 a 400	+1350	+680	+400	+33									+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68			
>400 a 450	+1500	+760	+440	-	+230	+135	-	+68	-	+20	0	+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68			
>450 a 500	+1650	+840	+480									+33	+43	+66	+2	+8	+18	+29	-16	-10	0	+11	-23	-33	-27	-17	-6	0	-61	-55	-45	-68			

Diferencias fundamentales para agujeros (continuación, valores en micras)

Posición		R				S				T*				U				V*				X				Y*			Z			ZA		ZB	ZC
Calidad		5	6	7	≥8	5	6	7	≥8	5	6	7	≥8	5	6	7	≥8	5	6	7	≥8	5	6	7	≥8	6	7	≥8	6	7	≥8	7	≥8	≥8	
Diferencia fundamental		Diferencia superior Ds																																	
Grupos de diámetros (mm)	<3	-10	-10	-10	-10	-14	-14	-14	-14	-	-	-	-	-18	-18	-18	-18	-	-	-	-	-20	-20	-20	-20	-	-	-	-26	-26	-26	-32	-32	-40	-60
	>3 a 6	-14	-12	-11	-15	-18	-16	-15	-19	-	-	-	-	-22	-20	-19	-23	-	-	-	-	-27	-25	-24	-28	-	-	-	-32	-31	-35	-38	-42	-50	-80
	>6 a 10	-17	-16	-13	-19	-21	-20	-17	-23	-	-	-	-	-26	-25	-22	-28	-	-	-	-	-32	-31	-28	-34	-	-	-	-39	-36	-42	-46	-52	-67	-97
	>10 a 14	-20	-20	-16	-23	-25	-25	-21	-28	-	-	-	-	-30	-30	-26	-33	-	-	-	-	-37	-37	-33	-40	-	-	-	-47	-43	-50	-57	-64	-90	-130
	>14 a 18																	-36	-36	-32	-39	-42	-42	-38	-45	-	-	-	-57	-53	-60	-70	-77	-108	-150
	>18 a 24	-25	-24	-20	-28	-32	-31	-27	-35	-	-	-	-	-38	-37	-33	-41	-44	-43	-39	-47	-51	-50	-46	-54	-59	-55	-63	-69	-65	-73	-90	-98	-136	-188
	>24 a 30									-38	-37	-33	-41	-45	-44	-40	-48	-52	-51	-47	-55	-61	-60	-56	-64	-71	-67	-75	-84	-80	-88	-110	-118	-160	-218
	>30 a 40	-30	-29	-25	-34	-39	-38	-34	-43	-44	-43	-39	-48	-56	-55	-51	-60	-64	-63	-59	-68	-76	-75	-71	-80	-89	-85	-94	-107	-103	-112	-139	-148	-200	-274
	>40 a 50									-50	-49	-45	-54	-66	-65	-61	-70	-77	-76	-72	-81	-93	-92	-88	-97	-109	-105	-114	-131	-127	-136	-171	-180	-242	-325
	>50 a 65	-36	-35	-30	-41	-48	-47	-42	-53	-61	-60	-55	-66	-82	-81	-76	-87	-97	-96	-91	-102	-117	-116	-111	-122	-138	-133	-144	-166	-161	-172	-215	-226	-300	-405
	>65 a 80	-38	-27	-32	-43	-54	-53	-48	-59	-70	-69	-64	-75	-97	-96	-91	-102	-115	-114	-109	-120	-141	-140	-135	-146	-168	-163	-174	-204	-199	-210	-263	-274	-360	-480
	>80 a 100	-46	-44	-38	-51	-66	-64	-58	-71	-86	-86	-74	-91	-119	-117	-111	-124	-141	-139	-133	-146	-173	-171	-165	-178	-207	-201	-214	-251	-245	-258	-322	-335	-445	-585
	>100 a 120	-49	-47	-41	-54	-74	-72	-66	-79	-99	-97	-91	-104	-139	-137	-131	-144	-167	-165	-159	-172	-205	-203	-197	-210	-247	-241	-254	-303	-297	-310	-387	-400	-525	-690
	>120 a 140	-57	-56	-48	-63	-86	-85	-77	-92	-116	-115	-107	-122	-164	-163	-155	-170	-196	-195	-187	-202	-242	-241	-233	-248	-293	-285	-300	-358	-350	-365	-455	-470	-620	-800
	>140 a 160	-59	-58	-50	-65	-94	-93	-85	-100	-128	-127	-119	-134	-184	-183	-175	-190	-222	-221	-213	-228	-274	-273	-265	-280	-333	-325	-340	-408	-400	-415	-520	-535	-700	-900
	>160 a 180	-62	-61	-53	-68	-102	-101	-93	-108	-140	-139	-131	-146	-204	-203	-195	-210	-246	-245	-237	-252	-304	-303	-295	-310	-373	-365	-380	-458	-450	-465	-585	-600	-780	-1000
	>180 a 200	-71	-68	-60	-77	-116	-113	-105	-122	-160	-157	-149	-166	-230	-227	-219	-236	-278	-275	-267	-284	-344	-341	-333	-350	-416	-408	-425	-511	-503	-520	-653	-670	-880	-1150
	>200 a 225	-74	-71	-63	-80	-124	-121	-113	-130	-174	-171	-163	-180	-252	-249	-241	-258	-304	-301	-293	-310	-379	-376	-368	-385	-461	-453	-470	-566	-558	-575	-723	-740	-960	-1250
	>225 a 250	-78	-75	-67	-84	-134	-131	-123	-140	-190	-187	-179	-196	-278	-275	-267	-284	-334	-331	-323	-340	-419	-416	-408	-425	-511	-503	-520	-631	-623	-640	-803	-820	-1050	-1350
	>250 a 280	-87	-85	-74	-94	-151	-149	-138	-158	-211	-209	-198	-218	-309	-306	-295	-315	-378	-376	-365	-385	-468	-466	-455	-475	-571	-560	-580	-701	-690	-710	-900	-920	-1200	-1550
>280 a 315	-91	-89	-78	-98	-163	-161	-150	-170	-233	-231	-220	-240	-343	-341	-330	-350	-418	-416	-405	-425	-518	-516	-505	-525	-641	-630	-650	-781	-770	-790	-980	-1000	-1300	-1700	
>315 a 355	-101	-97	-87	-108	-183	-179	-169	-190	-261	-257	-247	-268	-383	-379	-369	-390	-468	-464	-454	-475	-583	-579	-569	-590	-719	-709	-730	-889	-879	-900	-1129	-1150	-1500	-1900	
>355 a 400	-107	-103	-93	-114	-201	-197	-187	-208	-287	-283	-273	-294	-428	-424	-414	-435	-523	-519	-509	-530	-653	-649	-639	-660	-809	-799	-820	-989	-979	-1000	-1279	-1300	-1650	-2100	
>400 a 450	-119	-113	-103	-126	-225	-219	-209	-232	-323	-317	-307	-330	-483	-477	-467	-490	-588	-582	-572	-595	-733	-727	-717	-740	-907	-897	-920	-1087	-1077	-1100	-1427	-1450	-1850	-2400	
>450 a 500	-125	-119	-109	-132	-245	-239	-229	-252	-353	-347	-337	-360	-533	-527	-517	-540	-653	-647	-637	-660	-813	-807	-797	-820	-987	-977	-1000	-1237	-1227	-1250	-1577	-1600	-2100	-2600	