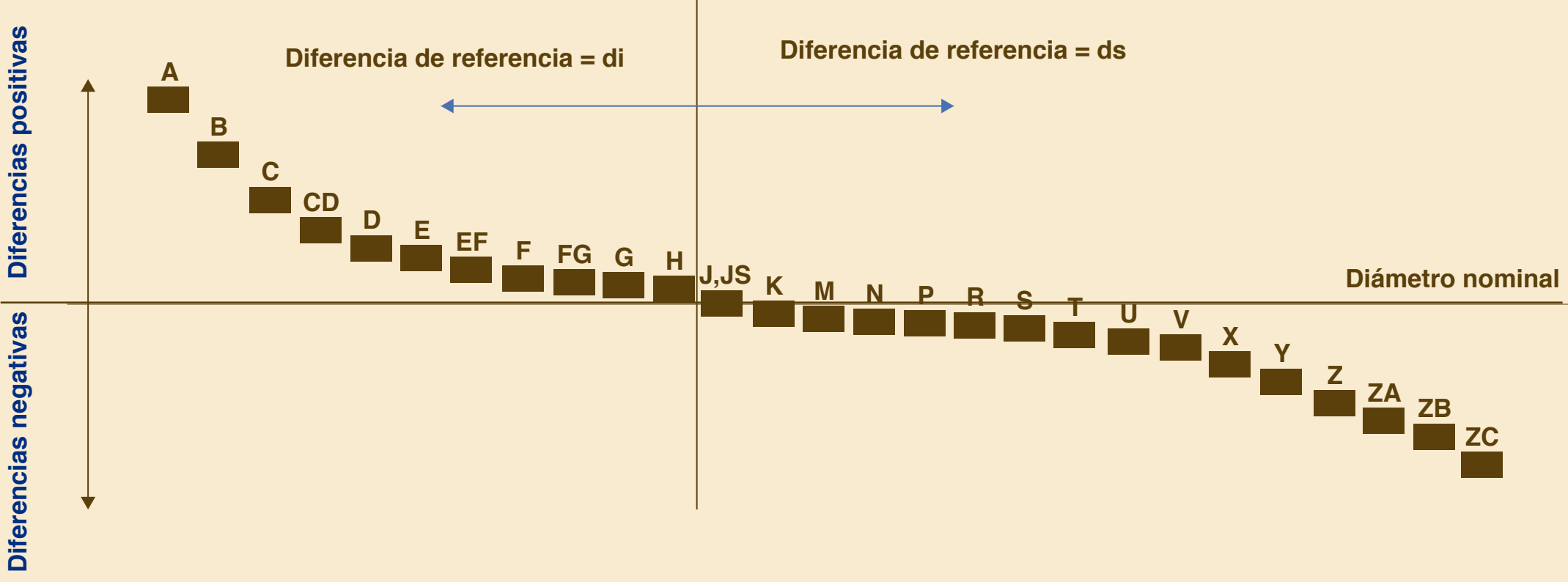




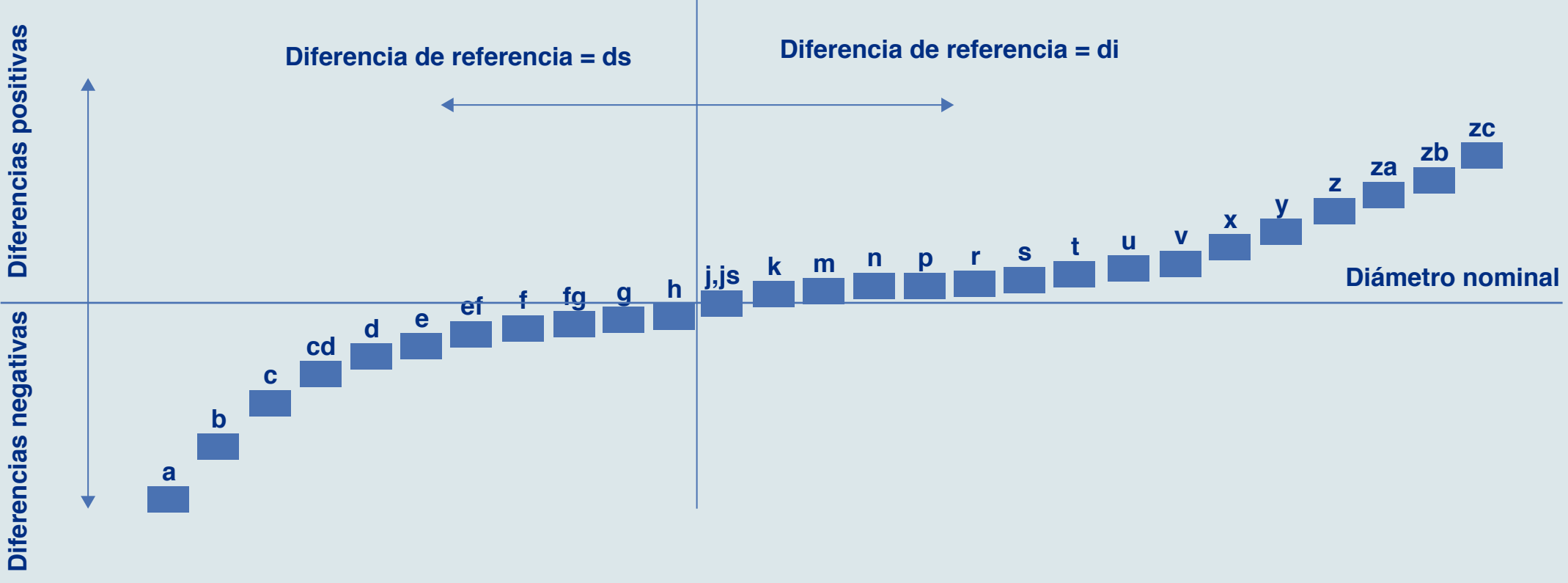
CALIDADES IT

GRUPOS DE DIAMETROS (mm)	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
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

AGUJEROS



EJES



Tolerancias dimensionales AGUJEROS

Tole.	más de 1 hasta 3	3	6	10	14	18	24	30	40	50	65	80	100	120	140	160	180	200	225	250	280	315	355	400	450								
F5	sup. inf.	10 6	15 10	19 13	24 16	24 20	29 20	36 25	43 30	43 30	51 36	51 36	61 43	61 43	70 50	70 50	79 56	79 56	88 62	88 62	98 62	98 62	108 68	108 68	131 68	131 68							
F6	sup. inf.	12 6	18 10	22 13	27 16	27 20	33 20	41 25	41 30	49 30	49 36	58 43	58 43	68 50	68 50	79 56	79 56	88 62	88 62	98 62	98 62	108 68	108 68	131 68	131 68	165 68	165 68						
F7	sup. inf.	16 6	22 10	28 13	34 16	34 20	41 20	50 25	50 30	60 30	60 36	71 43	71 43	83 50	83 50	96 56	96 56	108 62	108 62	119 62	119 62	131 68	131 68	165 68	165 68	223 68	223 68						
F8	sup. inf.	20 6	28 10	35 13	43 16	43 20	53 20	53 25	64 30	64 30	76 36	76 43	90 43	90 50	106 50	106 56	122 62	122 62	137 62	137 62	151 62	151 62	165 68	165 68	223 68	223 68	283 68	283 68					
F9	sup. inf.	31 6	40 10	49 13	59 16	59 20	72 20	72 25	87 30	87 30	104 36	104 43	123 43	123 50	143 56	143 62	165 68	165 68	186 74	186 74	202 80	202 80	223 86	223 86	283 86	283 86	343 86	343 86					
G5	sup. inf.	6 2	9 4	11 5	14 6	14 7	16 7	20 9	20 9	23 10	23 10	27 12	27 12	32 14	32 14	35 15	35 15	40 17	40 17	43 18	43 18	47 20	47 20	60 20	60 20	77 20	77 20	97 20	97 20				
G6	sup. inf.	8 2	12 4	14 5	17 6	17 7	20 7	25 9	25 9	29 10	29 10	34 12	34 12	39 14	39 14	44 15	44 15	49 17	49 17	54 18	54 18	60 20	60 20	77 20	77 20	97 20	97 20	127 20	127 20				
G7	sup. inf.	12 2	16 4	20 5	24 6	24 7	28 7	34 9	34 9	40 10	40 10	47 12	47 12	54 14	54 14	61 15	61 15	69 17	69 17	77 18	77 18	86 20	86 20	107 20	107 20	137 20	137 20	177 20	177 20				
H1	sup. inf.	1 0	1 0	1 0	1 0	2 0	2 0	2 0	2 0	2 0	3 0	3 0	4 0	4 0	4 0	5 0	5 0	5 0	6 0	6 0	7 0	7 0	8 0	8 0	10 0	10 0	13 0	13 0	17 0	17 0			
H2	sup. inf.	1 0	2 0	2 0	2 0	3 0	3 0	3 0	3 0	3 0	4 0	4 0	5 0	5 0	5 0	7 0	7 0	7 0	8 0	8 0	8 0	8 0	8 0	10 0	10 0	13 0	13 0	17 0	17 0	23 0	23 0		
H3	sup. inf.	2 0	3 0	3 0	3 0	4 0	4 0	4 0	4 0	5 0	5 0	6 0	6 0	8 0	8 0	8 0	10 0	10 0	10 0	12 0	12 0	13 0	13 0	13 0	15 0	15 0	19 0	19 0	25 0	25 0	33 0	33 0	
H4	sup. inf.	3 0	4 0	4 0	5 0	5 0	6 0	6 0	7 0	7 0	8 0	8 0	10 0	10 0	12 0	12 0	14 0	14 0	14 0	16 0	16 0	18 0	18 0	18 0	20 0	20 0	25 0	25 0	33 0	33 0	43 0	43 0	
H5	sup. inf.	4 0	5 0	6 0	8 0	8 0	9 0	9 0	11 0	11 0	13 0	13 0	15 0	15 0	18 0	18 0	20 0	20 0	20 0	23 0	23 0	25 0	25 0	27 0	27 0	33 0	33 0	43 0	43 0	57 0	57 0	77 0	77 0
H6	sup. inf.	6 0	8 0	9 0	11 0	11 0	13 0	13 0	16 0	16 0	19 0	19 0	22 0	22 0	25 0	25 0	29 0	29 0	29 0	32 0	32 0	36 0	36 0	36 0	40 0	40 0	50 0	50 0	67 0	67 0	90 0	90 0	
H7	sup. inf.	10 0	12 0	15 0	18 0	18 0	21 0	21 0	25 0	25 0	30 0	30 0	35 0	35 0	40 0	40 0	46 0	46 0	46 0	52 0	52 0	57 0	57 0	57 0	63 0	63 0	77 0	77 0	100 0	100 0	130 0	130 0	
H8	sup. inf.	14 0	18 0	22 0	27 0	27 0	33 0	33 0	39 0	39 0	46 0	46 0	54 0	54 0	63 0	63 0	72 0	72 0	72 0	81 0	81 0	89 0	89 0	89 0	97 0	97 0	117 0	117 0	150 0	150 0	190 0	190 0	
H9	sup. inf.	25 0	30 0	36 0	43 0	43 0	52 0	52 0	62 0	62 0	74 0	74 0	87 0	87 0	100 0	100 0	115 0	115 0	115 0	130 0	130 0	140 0	140 0	140 0	155 0	155 0	185 0	185 0	230 0	230 0	290 0	290 0	
H10	sup. inf.	40 0	48 0	58 0	70 0	70 0	84 0	84 0	100 0	100 0	120 0	120 0	140 0	140 0	160 0	160 0	185 0	185 0	185 0	210 0	210 0	230 0	230 0	230 0	250 0	250 0	300 0	300 0	380 0	380 0	490 0	490 0	
H11	sup. inf.	60 0	75 0	90 0	110 0	110 0	130 0	130 0	160 0	160 0	190 0	190 0	220 0	220 0	250 0	250 0	290 0	290 0	290 0	320 0	320 0	360 0	360 0	360 0	400 0	400 0	480 0	480 0	610 0	610 0	780 0	780 0	
H12	sup. inf.	100 0	120 0	150 0	180 0	180 0	210 0	210 0	250 0	250 0	300 0	300 0	350 0	350 0	400 0	400 0	460 0	460 0	460 0	520 0	520 0	570 0	570 0	570 0	630 0	630 0	770 0	770 0	970 0	970 0	1250 0	1250 0	
H13	sup. inf.	140 0	180 0	220 0	270 0	270 0	330 0	330 0	390 0	390 0	460 0	460 0	540 0	540 0	630 0	630 0	720 0	720 0	720 0	810 0	810 0	890 0	890 0	890 0	970 0	970 0	1170 0	1170 0	1450 0	1450 0	1850 0	1850 0	
H14	sup. inf.	250 0	300 0	360 0	430 0	430 0	520 0	520 0	620 0	620 0	740 0	740 0	870 0	870 0	1000 0	1000 0	1150 0	1150 0	1150 0	1300 0	1300 0	1400 0	1400 0	1400 0	1500 0	1500 0	1800 0	1800 0	2250 0	2250 0	2850 0	2850 0	
H15	sup. inf.	400 0	480 0	580 0	700 0	700 0	840 0	840 0	1000 0	1000 0	1200 0	1200 0	1400 0	1400 0	1600 0	1600 0	1850 0	1850 0	1850 0	2100 0	2100 0	2300 0	2300 0	2300 0	2500 0	2500 0	3000 0	3000 0	3800 0	3800 0	4850 0	4850 0	
H16	sup. inf.	600 0	750 0	900 0	1100 0	1100 0	1300 0	1300 0	1600 0	1600 0	1900 0	1900 0	2200 0	2200 0	2500 0	2500 0	2900 0	2900 0	2900 0	3200 0	3200 0	3600 0	3600 0	3600 0	4000 0	4000 0	4800 0	4800 0	6000 0	6000 0	7600 0	7600 0	
H17	sup. inf.	1500 0	1800 0	1800 0	2100 0	2100 0	2500 0	2500 0	3000 0	3000 0	3500 0	3500 0	4000 0	4000 0	4600 0	4600 0	5200 0	5200 0	5200 0	5700 0	5700 0	6300 0	6300 0	6300 0	6900 0	6900 0	8400 0	8400 0	10500 0	10500 0	13200 0	13200 0	
H18	sup. inf.	2700 0	2700 0	3300 0	3300 0	3900 0	3900 0	4600 0	4600 0	5400 0	5400 0	6300 0	6300 0	7200 0	7200 0	8100 0	8100 0	8100 0	8100 0	8900 0	8900 0	9700 0	9700 0	9700 0	10500 0	10500 0	12600 0	12600 0	15600 0	15600 0	19500 0	19500 0	
J6	sup. inf.	2 -2	5 -3	5 -4	6 -5	6 -5	8 -8	8 -10	10 -13	10 -13	13 -16																						