



GRADO EN INGENIERÍA MECÁNICA

TRABAJO FIN DE GRADO

2014 / 2015

*CARACTERIZACIÓN DEL DESGASTE DE ELECTRODOS DE  
GRAFITO EN ELECTREROSIÓN POR PENETRACIÓN*

**DOCUMENTO 5.4: MEDICIONES**

**DATOS DE LA ALUMNA O DEL ALUMNO**

NOMBRE: IGNACIO

APELLIDOS: MARGÜELLO JUARISTI

FDO.:

FECHA:10/09/2015

**DATOS DEL DIRECTOR O DE LA DIRECTORA**

NOMBRE: BORJA

APELLIDOS: IZQUIERDO ARAMBURU

DEPARTAMENTO: INGENIERÍA MECÁNICA

FDO.:

FECHA:10/09/2015

**DOCUMENTO 5.4 MEDICIONES DE LOS ELECTRODOS**

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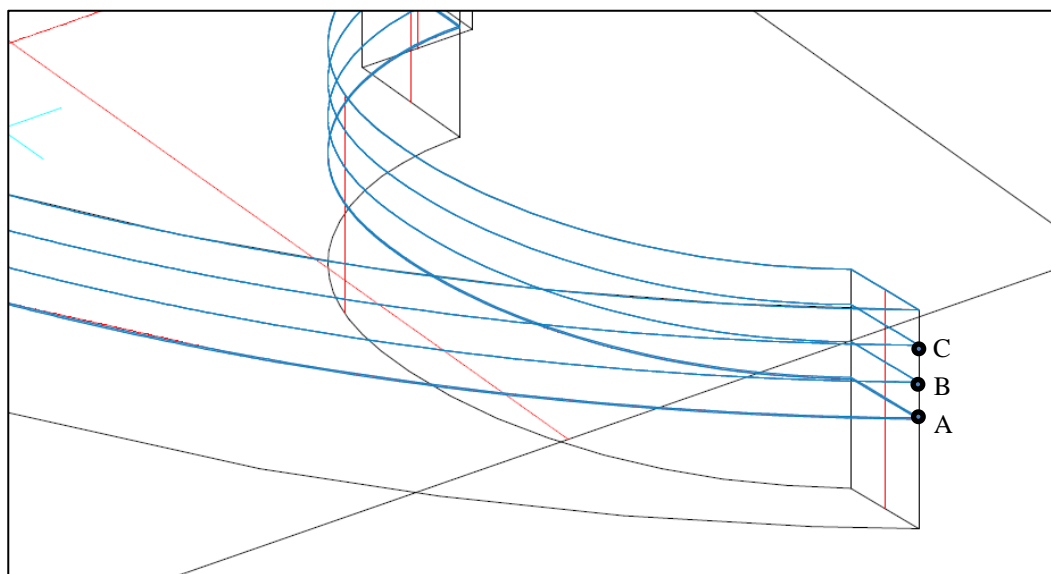
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## 5.4.1 ELECTRODOS PARA BLISK

### 5.4.1.1 MEDICIONES DE LOS ELECTRODOS PARA BLISK EMPLEANDO EL MEDIDOR POR COORDENADAS ZEISS MC 850

A continuación se mostrarán las mediciones realizadas en los electrodos para Blisk empleando el medidor por coordenadas Zeiss MC 850.

Tal y como se explica en el apartado (3.6.1 Metodología), las mediciones que se presentan a continuación representan los perfiles denominados (A, B, C) de cada electrodo.



*Fig. 1 Secciones medidas de cada uno de los electrodos antes y después de la erosión*

VDI 39 / Step 1 / Sección A / Antes de la erosión / Z= -3,55 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0031	-2,8434	41	23,6037	19,0027	81	29,7765	26,0265	121	25,3295	24,1849	161	19,3368	20,6778
2	0	-2,0228	42	23,7732	19,1661	82	29,9167	26,2168	122	25,2019	24,0687	162	19,1684	20,6249
3	-0,001	-1,1545	43	23,9401	19,3309	83	30,0552	26,4044	123	25,0698	23,9503	163	19,0029	20,5721
4	1,2213	0,0434	44	24,1085	19,496	84	29,9789	26,4866	124	24,9387	23,8372	164	18,8349	20,5252
5	2,0828	0,045	45	24,2736	19,6613	85	29,7449	26,4724	125	24,8039	23,7233	165	18,6668	20,4745
6	2,9615	0,0457	46	24,4397	19,8271	86	29,5124	26,4555	126	24,6687	23,6097	166	18,4984	20,4293
7	17,5167	13,8862	47	24,6037	19,9939	87	29,2954	26,4396	127	24,5325	23,4975	167	18,3311	20,3845
8	17,7064	14,0254	48	24,7665	20,1597	88	29,1941	26,4307	128	24,3925	23,3852	168	18,1607	20,3444
9	17,8957	14,1638	49	24,9285	20,3289	89	29,094	26,4229	129	24,2531	23,2769	169	17,9905	20,3033
10	18,0812	14,307	50	25,0907	20,4949	90	28,9927	26,4124	130	24,1177	23,1693	170	17,8205	20,2641
11	18,2722	14,4441	51	25,2517	20,6632	91	28,8892	26,4043	131	23,9735	23,0654	171	17,6509	20,2272
12	18,4621	14,5831	52	25,4133	20,8326	92	28,7901	26,3962	132	23,8349	22,9627	172	17,4792	20,1915
13	18,6478	14,7211	53	25,5719	21,0034	93	28,689	26,3882	133	23,6913	22,8605	173	17,3059	20,1589
14	18,8336	14,8653	54	25,731	21,175	94	28,5903	26,3795	134	23,5491	22,76	174	17,1333	20,1277
15	19,0187	15,009	55	25,8905	21,3454	95	28,489	26,3701	135	23,4053	22,6624	175	16,9619	20,0982
16	19,2053	15,1528	56	26,0493	21,5173	96	28,3893	26,3614	136	23,2609	22,5664	176	16,7905	20,0727
17	19,3865	15,299	57	26,2064	21,6905	97	28,2896	26,3527	137	23,1171	22,4729	177	16,6164	20,0463
18	19,5698	15,445	58	26,3638	21,8653	98	28,1895	26,3453	138	22,9689	22,3781	178	16,4426	20,0215
19	19,7514	15,5906	59	26,5207	22,0413	99	28,088	26,338	139	22,8215	22,2873	179	16,2704	19,9978
20	19,933	15,7392	60	26,6768	22,2162	100	27,9875	26,3296	140	22,6715	22,1981	180	16,0949	19,978
21	20,1135	15,8868	61	26,8322	22,3924	101	27,8896	26,3205	141	22,5203	22,1081	181	15,9227	19,9582
22	20,2941	16,0356	62	26,9883	22,5684	102	27,7891	26,3115	142	22,3709	22,0183	182	15,7494	19,9432
23	20,4719	16,1846	63	27,1427	22,7472	103	27,6885	26,3032	143	22,2167	21,9345	183	15,5748	19,9278
24	20,653	16,3344	64	27,2939	22,9227	104	27,5888	26,2941	144	22,0657	21,8501	184	15,3997	19,9143
25	20,8311	16,4858	65	27,4453	23,102	105	27,4901	26,2897	145	21,9101	21,7672	185	15,2261	19,9048
26	21,0098	16,6377	66	27,5963	23,2802	106	27,3904	26,2782	146	21,7548	21,6863	186	15,0536	19,8944
27	21,1879	16,7911	67	27,7476	23,4587	107	26,9974	25,9706	147	21,601	21,6063	187	3,7025	28,599
28	21,365	16,9437	68	27,8964	23,6385	108	26,8863	25,8332	148	21,442	21,5292	188	2,639	28,5988
29	21,5401	17,0997	69	28,0455	23,8192	109	26,7738	25,6979	149	21,2839	21,4534	189	1,581	28,5982
30	21,7185	17,2549	70	28,1929	24,0026	110	26,6594	25,5647	150	21,1249	21,3778	190	-0,003	29,7524
31	21,8947	17,4117	71	28,3426	24,1835	111	26,5442	25,435	151	20,9651	21,3048	191	-0,0016	30,4646
32	22,0706	17,5688	72	28,4885	24,3662	112	26,4297	25,3032	152	20,807	21,2356	192	-0,0043	31,2239
33	22,2428	17,7262	73	28,6362	24,547	113	26,3119	25,1728	153	20,6463	21,1666			
34	22,4178	17,8846	74	28,7811	24,7285	114	26,1924	25,0463	154	20,4851	21,099			
35	22,5882	18,0424	75	28,9246	24,9132	115	26,0734	24,9197	155	20,324	21,0335			
36	22,76	18,2002	76	29,0674	25,0963	116	25,9524	24,7936	156	20,1623	20,9705			
37	22,9319	18,3596	77	29,2111	25,2816	117	25,8308	24,6697	157	19,9992	20,909			
38	23,0995	18,5176	78	29,3543	25,4649	118	25,7069	24,5468	158	19,8341	20,8477			
39	23,2719	18,678	79	29,4984	25,6493	119	25,5816	24,4237	159	19,6686	20,7897			
40	23,4414	18,837	80	29,6365	25,8394	120	25,4562	24,3049	160	19,5023	20,7319			



<i>VDI 39 / Step 1 / Sección A / Después de la erosión / Z= -3,55mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,002	-2,8367	41	23,631399	19,000299	81	29,7607	26,056101	121	25,327299	24,1814	161	19,334	20,678301
2	0,0008	-2,0179	42	23,8025	19,162001	82	29,984301	26,183599	122	25,198099	24,063801	162	19,1668	20,625
3	0,0003	-1,1516	43	23,966299	19,3269	83	30,146999	26,3549	123	25,0662	23,945601	163	19,0009	20,571501
4	1,2159	0,0432	44	24,137699	19,487499	84	29,968201	26,524401	124	24,936701	23,8328	164	18,833599	20,525499
5	2,0747	0,0443	45	24,2988	19,6528	85	29,739401	26,4408	125	24,8018	23,719801	165	18,6667	20,4746
6	2,9531	0,0448	46	24,464399	19,813299	86	29,5058	26,3843	126	24,6691	23,608101	166	18,4972	20,429899
7	17,5251	13,8915	47	24,622499	19,986601	87	29,289801	26,376101	127	24,5348	23,4986	167	18,3256	20,3929
8	17,7152	14,0305	48	24,7899	20,1481	88	29,187401	26,370001	128	24,3974	23,3878	168	18,1579	20,349701
9	17,9056	14,1696	49	24,948999	20,318399	89	29,0865	26,3529	129	24,260201	23,2801	169	17,987499	20,302
10	18,0916	14,3128	50	25,1129	20,485901	90	28,9855	26,3444	130	24,1196	23,172501	170	17,818399	20,264299
11	18,289	14,4428	51	25,2756	20,654699	91	28,884501	26,3435	131	23,9792	23,074301	171	17,647499	20,2271
12	18,476	14,5861	52	25,4375	20,8258	92	28,7843	26,334999	132	23,8396	22,9646	172	17,473801	20,191299
13	18,66	14,7251	53	25,599199	20,9988	93	28,684299	26,3284	133	23,700199	22,865101	173	17,3004	20,159201
14	18,8492	14,8649	54	25,758101	21,172501	94	28,5851	26,3235	134	23,554899	22,7626	174	17,1285	20,1273
15	19,0382	15,0035	55	25,9212	21,3421	95	28,4846	26,316799	135	23,409401	22,6639	175	16,9559	20,0973
16	19,218	15,152	56	26,076	21,517401	96	28,383801	26,302299	136	23,264	22,566601	176	16,781601	20,071501
17	19,3993	15,2992	57	26,231701	21,689699	97	28,285	26,291599	137	23,117701	22,472799	177	16,6068	20,0448
18	19,5839	15,4426	58	26,3899	21,863501	98	28,184799	26,289301	138	22,969601	22,3771	178	16,438601	20,021999
19	19,7709	15,5832	59	26,5476	22,0361	99	28,0804	26,2922	139	22,820101	22,2845	179	16,2668	19,9986
20	19,9508	15,7332	60	26,702801	22,2104	100	27,9832	26,288401	140	22,6686	22,1959	180	16,089399	19,9844
21	20,1342	15,8772	61	26,8603	22,3822	101	27,886101	26,279499	141	22,517799	22,1052	181	15,9176	19,959101
22	20,3123	16,03	62	27,0075	22,5641	102	27,785101	26,277201	142	22,3661	22,018499	182	15,742	19,943701
23	20,4908	16,1845	63	27,158501	22,744699	103	27,683701	26,2747	143	22,212999	21,935101	183	15,568	19,9417
24	20,6787	16,3299	64	27,306499	22,924101	104	27,5835	26,2672	144	22,062	21,847401	184	15,3941	19,9168
25	20,854	16,4837	65	27,4603	23,1017	105	27,483299	26,255699	145	21,908199	21,7649	185	15,2179	19,904301
26	21,0383	16,6342	66	27,6082	23,2848	106	27,385401	26,243999	146	21,7549	21,685301	186	15,0393	19,9139
27	21,2108	16,7914	67	27,7526	23,4694	107	26,9995	25,98	147	21,5977	21,6085	187	3,7104	28,6015
28	21,3927	16,9422	68	27,9016	23,65	108	26,8874	25,844999	148	21,442699	21,5289	188	2,6484	28,6015
29	21,5648	17,0973	69	28,0389	23,8405	109	26,7764	25,709499	149	21,283501	21,4538	189	1,5874	28,6
30	21,7473	17,2445	70	28,1786	24,027901	110	26,664301	25,572001	150	21,1273	21,379	190	-0,0006	29,755699
31	21,9127	17,4084	71	28,313499	24,219601	111	26,5487	25,439301	151	20,9687	21,3053	191	-0,0003	30,4673
32	22,0906	17,5588	72	28,450001	24,409401	112	26,432699	25,3046	152	20,8113	21,2365	192	0,012	31,2239
33	22,2647	17,7105	73	28,596399	24,590799	113	26,313601	25,1737	153	20,650299	21,1675			
34	22,4429	17,8628	74	28,7323	24,782801	114	26,1938	25,046801	154	20,4855	21,1057			
35	22,6069	18,0288	75	28,868601	24,9736	115	26,076099	24,9193	155	20,3255	21,034			
36	22,7822	18,1865	76	29,007601	25,160101	116	25,9473	24,7981	156	20,158899	20,9778			
37	22,952	18,3488	77	29,1558	25,340799	117	25,830601	24,6709	157	19,996599	20,91			
38	23,124	18,5103	78	29,294201	25,5298	118	25,7059	24,5462	158	19,830999	20,849501			
39	23,2898	18,6751	79	29,4557	25,6996	119	25,5819	24,4226	159	19,664	20,796101			
40	23,4662	18,8318	80	29,5818	25,900801	120	25,453699	24,3009	160	19,496901	20,741199			

<i>VDI 39 / Step 1 / Sección B / Antes de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0055	-3,1401	41	23,2074	18,6115	81	29,4525	25,5819	121	25,758	24,5864	161	20,766	21,2057
2	0,0009	-2,3698	42	23,3766	18,7703	82	29,5935	25,7688	122	25,6488	24,4801	162	20,6268	21,1459
3	-0,0031	-1,5578	43	23,5445	18,9305	83	29,7325	25,9567	123	25,5397	24,3738	163	20,4858	21,0893
4	1,1928	0,0313	44	23,713	19,0961	84	29,8717	26,1468	124	25,4313	24,2712	164	20,3469	21,0316
5	2,3365	0,0324	45	23,8817	19,2591	85	30,0167	26,3314	125	25,32	24,1665	165	20,2047	20,9754
6	3,5013	0,0347	46	24,0475	19,4259	86	30,1214	26,4773	126	25,2094	24,0658	166	20,0649	20,9217
7	17,0594	13,5428	47	24,2158	19,5901	87	30,0356	26,476	127	25,0976	23,965	167	19,9229	20,8686
8	17,2497	13,6802	48	24,3815	19,7559	88	29,8949	26,4709	128	24,983	23,864	168	19,78	20,8166
9	17,4441	13,8153	49	24,5459	19,9231	89	29,7552	26,4616	129	24,8679	23,7641	169	19,6368	20,7658
10	17,631	13,9573	50	24,7099	20,0893	90	29,6143	26,4535	130	24,7509	23,6679	170	19,4923	20,7166
11	17,8213	14,0971	51	24,8725	20,2581	91	29,4748	26,4413	131	24,6353	23,5695	171	19,3499	20,6691
12	18,0066	14,2381	52	25,0334	20,426	92	29,3339	26,4316	132	24,5144	23,4722	172	19,2032	20,6232
13	18,1969	14,3793	53	25,1958	20,593	93	29,1935	26,4191	133	24,3956	23,3762	173	19,0592	20,5782
14	18,3881	14,5158	54	25,3578	20,7614	94	29,0536	26,4078	134	24,2749	23,282	174	18,9155	20,5352
15	18,5746	14,6564	55	25,5175	20,9322	95	28,9127	26,3951	135	24,1547	23,1889	175	18,769	20,4931
16	18,7601	14,798	56	25,6765	21,104	96	28,7717	26,383	136	24,0342	23,0974	176	18,6225	20,4508
17	18,9449	14,9394	57	25,836	21,2749	97	28,6306	26,3717	137	23,9118	23,008	177	18,476	20,4119
18	19,1322	15,0856	58	25,9945	21,4461	98	28,4905	26,3606	138	23,7895	22,9202	178	18,3295	20,3749
19	19,3142	15,231	59	26,1521	21,6185	99	28,3503	26,3473	139	23,6673	22,8311	179	18,1849	20,3369
20	19,4986	15,3777	60	26,3081	21,7937	100	28,2104	26,3371	140	23,5422	22,745	180	18,0366	20,3004
21	19,68	15,5219	61	26,4668	21,9684	101	28,0697	26,3262	141	23,4178	22,661	181	17,8887	20,2671
22	19,864	15,6693	62	26,6237	22,1444	102	27,9303	26,3137	142	23,2903	22,5765	182	17,7415	20,2353
23	20,0442	15,8169	63	26,7799	22,3212	103	27,7912	26,3016	143	23,167	22,4933	183	17,5922	20,2049
24	20,2262	15,9679	64	26,9347	22,499	104	27,6513	26,2896	144	23,0406	22,4129	184	17,4443	20,1743
25	20,4037	16,1147	65	27,0908	22,6748	105	27,5099	26,2779	145	22,9125	22,3325	185	17,2938	20,146
26	20,5843	16,2655	66	27,2426	22,8521	106	27,37	26,2672	146	22,7851	22,2532	186	17,1436	20,1181
27	20,7614	16,4153	67	27,3952	23,0303	107	27,1698	26,1692	147	22,6542	22,1753	187	3,7455	28,5876
28	20,9409	16,5683	68	27,546	23,209	108	27,0708	26,0485	148	22,5232	22,0981	188	2,6677	28,5886
29	21,1182	16,7211	69	27,696	23,388	109	26,9733	25,9303	149	22,3931	22,0209	189	1,6002	28,5877
30	21,2973	16,8736	70	27,8465	23,5675	110	26,8782	25,813	150	22,2615	21,9468	190	-0,0022	29,8605
31	21,4728	17,0282	71	27,9957	23,7484	111	26,7797	25,6969	151	22,1282	21,8725	191	-0,0025	30,6083
32	21,6496	17,1842	72	28,1444	23,9302	112	26,68	25,5826	152	21,9932	21,8013	192	-0,0037	31,4036
33	21,8253	17,3396	73	28,2933	24,1127	113	26,5818	25,4683	153	21,8614	21,7308			
34	22,0023	17,498	74	28,442	24,2947	114	26,4826	25,3543	154	21,7275	21,6598			
35	22,1779	17,6555	75	28,5897	24,478	115	26,3814	25,241	155	21,5909	21,591			
36	22,3501	17,8137	76	28,7332	24,6595	116	26,2786	25,1291	156	21,4551	21,5246			
37	22,5255	17,9723	77	28,8787	24,8437	117	26,1756	25,0195	157	21,3179	21,4584			
38	22,6973	18,1299	78	29,021	25,027	118	26,0733	24,9093	158	21,1796	21,3929			
39	22,8687	18,2913	79	29,165	25,2115	119	25,9698	24,7998	159	21,042	21,3287			
40	23,0377	18,4485	80	29,3079	25,3962	120	25,8643	24,6928	160	20,9042	21,2658			

<i>VDI 39 / Step 1 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,004	-3,1643	41	23,2031	18,571301	81	29,364901	25,612301	121	25,731701	24,557899	161	20,7367	21,196301	
2	0,0014	-2,4021	42	23,3703	18,736601	82	29,5173	25,7924	122	25,6206	24,450701	162	20,594999	21,1472	
3	-0,0012	-1,586	43	23,545099	18,8967	83	29,6532	25,9848	123	25,513	24,3451	163	20,4545	21,0868	
4	1,1658	0,0309	44	23,7211	19,0494	84	29,874399	26,110399	124	25,399401	24,2423	164	20,3167	21,0233	
5	2,3104	0,0335	45	23,8869	19,219299	85	30,0756	26,2556	125	25,290199	24,1371	165	20,175699	20,966101	
6	3,4793	0,0349	46	24,054701	19,3804	86	30,094	26,479	126	25,1786	24,0364	166	20,0326	20,919701	
7	17,0368	13,5253	47	24,2194	19,5467	87	30,0079	26,483101	127	25,0658	23,9349	167	19,889	20,865	
8	17,2289	13,6616	48	24,375999	19,7162	88	29,8678	26,4667	128	24,9529	23,8363	168	19,7472	20,8064	
9	17,4189	13,8003	49	24,5401	19,881701	89	29,7311	26,419701	129	24,8393	23,739799	169	19,6059	20,7568	
10	17,6071	13,9399	50	24,7031	20,0488	90	29,592699	26,375099	130	24,719	23,6425	170	19,4617	20,708099	
11	17,7976	14,0786	51	24,870001	20,212999	91	29,4478	26,3827	131	24,606501	23,5431	171	19,317301	20,6595	
12	17,9848	14,2193	52	25,0299	20,384701	92	29,310301	26,372499	132	24,482401	23,4545	172	19,1723	20,614	
13	18,1738	14,3617	53	25,1896	20,555	93	29,1703	26,355101	133	24,3682	23,3549	173	19,024599	20,581499	
14	18,371	14,4893	54	25,352501	20,7244	94	29,0277	26,3501	134	24,2507	23,260799	174	18,8827	20,533001	
15	18,5574	14,6353	55	25,5182	20,8943	95	28,8876	26,3365	135	24,124599	23,173599	175	18,738899	20,4856	
16	18,743	14,7766	56	25,6761	21,069901	96	28,7486	26,318501	136	24,0058	23,083599	176	18,594101	20,445601	
17	18,9282	14,92	57	25,835199	21,245199	97	28,608101	26,303101	137	23,884001	22,9923	177	18,449499	20,4062	
18	19,113	15,0604	58	25,9981	21,4146	98	28,4687	26,2901	138	23,763399	22,9002	178	18,303699	20,3675	
19	19,2992	15,202	59	26,165199	21,577499	99	28,327299	26,2869	139	23,641399	22,812	179	18,1563	20,330601	
20	19,4825	15,345	60	26,3146	21,759701	100	28,1875	26,279301	140	23,5166	22,7264	180	18,0079	20,295	
21	19,6647	15,491	61	26,468201	21,9366	101	28,046	26,2719	141	23,3918	22,6425	181	17,8596	20,2612	
22	19,8448	15,639	62	26,620701	22,111799	102	27,906799	26,2647	142	23,2628	22,557199	182	17,712999	20,2293	
23	20,028	15,7872	63	26,777901	22,2857	103	27,7668	26,261499	143	23,137199	22,477501	183	17,562599	20,201	
24	20,2113	15,9324	64	26,9277	22,4639	104	27,6262	26,258301	144	22,987	22,429199	184	17,412701	20,1705	
25	20,3911	16,085	65	27,085899	22,6381	105	27,4858	26,2509	145	22,857	22,3529	185	17,262501	20,1415	
26	20,574	16,2344	66	27,236799	22,8155	106	27,3463	26,2311	146	22,7309	22,2694	186	17,114401	20,1157	
27	20,7547	16,3873	67	27,386299	22,996599	107	27,145901	26,143801	147	22,5979	22,196199	187	3,7271	28,5914	
28	20,936	16,5383	68	27,536501	23,179199	108	27,0488	26,025299	148	22,467199	22,1164	188	2,6581	28,591299	
29	21,1147	16,6921	69	27,685301	23,3594	109	26,951799	25,908899	149	22,339899	22,0362	189	1,5887	28,591801	
30	21,2912	16,8478	70	27,829201	23,549101	110	26,8568	25,791599	150	22,226	21,932899	190	0,001	29,8339	
31	21,4709	16,9968	71	27,9732	23,7321	111	26,7593	25,674101	151	22,075199	21,890301	191	-0,0003	30,577801	
32	21,6457	17,1547	72	28,1178	23,9163	112	26,659901	25,5571	152	21,9634	21,7836	192	-0,0006	31,371201	
33	21,8204	17,3079	73	28,263901	24,098499	113	26,5588	25,4443	153	21,8293	21,7136				
34	21,9927	17,4666	74	28,4006	24,2894	114	26,4606	25,326099	154	21,683399	21,6667				
35	22,1667	17,6208	75	28,530899	24,4846	115	26,3549	25,216499	155	21,556499	21,583799				
36	22,3424	17,7723	76	28,6658	24,6754	116	26,2537	25,103201	156	21,4235	21,510599				
37	22,512	17,9326	77	28,8011	24,869699	117	26,151199	24,9909	157	21,2864	21,4426				
38	22,6857	18,0904	78	28,9368	25,058901	118	26,048599	24,880501	158	21,145901	21,388901				
39	22,8577	18,2499	79	29,069901	25,2495	119	25,9433	24,7714	159	21,007601	21,3304				
40	23,0317	18,4088	80	29,216999	25,4331	120	25,8358	24,6674	160	20,875299	21,2621				

<i>VDI 39 / Step 1 / Sección C/ Antes de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0031	-2,9875	41	23,2113	18,6029	81	29,549	25,7008	121	25,2131	24,0578	161	18,4542	20,3951
2	-0,0006	-1,9205	42	23,3835	18,7654	82	29,691	25,8911	122	25,0693	23,929001	162	18,2678	20,346201
3	0,0055	-0,8023	43	23,5534	18,929199	83	29,8334	26,082199	123	24,9236	23,8015	163	18,08	20,299999
4	0,9218	0,0166	44	23,7247	19,094999	84	29,9753	26,2754	124	24,7745	23,6763	164	17,8898	20,258301
5	2,4481	0,0196	45	23,896	19,262501	85	30,1153	26,468901	125	24,6245	23,5509	165	17,7016	20,2164
6	3,9986	0,0242	46	24,066	19,431	86	29,9336	26,4627	126	24,4711	23,427	166	17,5104	20,1772
7	16,9567	13,4577	47	24,2365	19,598801	87	29,5489	26,437	127	24,3189	23,305599	167	17,3203	20,139
8	17,1514	13,5964	48	24,4028	19,7679	88	29,4324	26,427601	128	24,1651	23,184601	168	17,1271	20,106001
9	17,3442	13,7364	49	24,5722	19,938299	89	29,3195	26,419001	129	24,0081	23,067699	169	16,9376	20,073099
10	17,5377	13,8773	50	24,7378	20,1066	90	29,2048	26,409599	130	23,8519	22,955601	170	16,7462	20,041599
11	17,7308	14,0185	51	24,9024	20,278601	91	29,0929	26,4	131	23,6957	22,8421	171	16,5547	20,013901
12	17,9238	14,16	52	25,0678	20,450001	92	28,9805	26,389601	132	23,5369	22,7302	172	16,3611	19,987301
13	18,1122	14,3068	53	25,2324	20,619499	93	28,8654	26,379999	133	23,3763	22,623199	173	16,1698	19,963699
14	18,3068	14,4448	54	25,3954	20,790701	94	28,7505	26,371	134	23,2167	22,5149	174	15,9749	19,942301
15	18,4993	14,586	55	25,5577	20,964899	95	28,6368	26,3608	135	23,0541	22,410299	175	15,7834	19,9238
16	18,6892	14,7295	56	25,7197	21,1383	96	28,5267	26,3514	136	22,8917	22,3078	176	15,5905	19,906099
17	18,8763	14,875	57	25,8806	21,3132	97	28,4126	26,340599	137	22,7275	22,2078	177	15,3988	19,8918
18	19,0655	15,0218	58	26,0421	21,487801	98	28,2997	26,3328	138	22,5615	22,1089	178	15,2057	19,880199
19	19,2531	15,1703	59	26,2022	21,663601	99	28,1852	26,323999	139	22,3945	22,0096	179	15,0126	19,8708
20	19,4394	15,3188	60	26,3639	21,841101	100	28,0723	26,3144	140	22,2239	21,9151	180	14,8191	19,8634
21	19,6246	15,4674	61	26,5233	22,0201	101	27,9612	26,3062	141	22,0535	21,820801	181	14,6247	19,8578
22	19,8092	15,6157	62	26,682	22,1999	102	27,8473	26,295601	142	21,8826	21,730801	182	14,4377	19,8564
23	19,9932	15,7643	63	26,8406	22,380501	103	27,735	26,284599	143	21,7096	21,6399	183	14,2547	19,8542
24	20,1763	15,9166	64	26,9994	22,558599	104	27,6229	26,277	144	21,538	21,5539	184	14,0744	19,857
25	20,3605	16,0667	65	27,1534	22,739599	105	27,51	26,266199	145	21,3617	21,467501	185	13,879	19,859301
26	20,5417	16,2203	66	27,3098	22,9186	106	27,3977	26,257401	146	21,1875	21,3843	186	13,6903	19,865499
27	20,724	16,372	67	27,4622	23,1014	107	27,0678	26,0336	147	21,0098	21,3027	187	4,1126	28,5749
28	20,9053	16,5259	68	27,6158	23,282	108	26,9429	25,8815	148	20,8323	21,225401	188	2,5341	28,576401
29	21,0876	16,6811	69	27,7697	23,465799	109	26,8179	25,7302	149	20,6541	21,148399	189	0,9606	28,577101
30	21,2689	16,8374	70	27,9221	23,6474	110	26,6929	25,5826	150	20,4772	21,072399	190	0,0026	29,6392
31	21,4486	16,9927	71	28,0738	23,8316	111	26,5639	25,4382	151	20,2973	21,0009	191	-0,0028	30,5331
32	21,628	17,1523	72	28,224	24,0158	112	26,4372	25,2908	152	20,1168	20,9303	192	-0,0026	31,4746
33	21,8061	17,3106	73	28,3749	24,201599	113	26,3069	25,147301	153	19,9362	20,8636			
34	21,9865	17,4725	74	28,5247	24,3894	114	26,1756	25,0063	154	19,7536	20,794901			
35	22,1631	17,6309	75	28,675	24,575399	115	26,0442	24,8654	155	19,5688	20,731501			
36	22,3405	17,7926	76	28,8223	24,760099	116	25,9086	24,728399	156	19,3847	20,671801			
37	22,5161	17,9543	77	28,9674	24,9471	117	25,7738	24,5916	157	19,1989	20,610001			
38	22,6931	18,1144	78	29,1128	25,1334	118	25,6355	24,455601	158	19,013	20,552999			
39	22,8664	18,2758	79	29,2596	25,322001	119	25,4967	24,321699	159	18,8276	20,4995			
40	23,0398	18,4387	80	29,4047	25,509399	120	25,3558	24,188101	160	18,6412	20,445299			

<i>VDI 39 / Step 1 / Sección C/ Después de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0016	-3,0745	41	23,211201	18,580299	81	29,4617	25,7428	121	25,193399	24,039	161	18,452499	20,396601	
2	0,0008	-1,955	42	23,384399	18,743401	82	29,6166	25,9279	122	25,0488	23,911699	162	18,264601	20,3473	
3	0,0061	-0,8402	43	23,5632	18,905199	83	29,768499	26,108801	123	24,905399	23,7843	163	18,0774	20,301901	
4	0,9187	0,0187	44	23,7318	19,0741	84	29,844801	26,3496	124	24,7572	23,6598	164	17,8867	20,259701	
5	2,4516	0,0209	45	23,9004	19,243401	85	29,871799	26,625099	125	24,6092	23,537399	165	17,698299	20,218	
6	4,0038	0,0264	46	24,072599	19,4048	86	29,947001	26,276899	126	24,4582	23,416	166	17,509001	20,178801	
7	16,9503	13,4502	47	24,243999	19,573099	87	29,5499	26,364401	127	24,306101	23,295601	167	17,3167	20,1404	
8	17,1441	13,5911	48	24,4091	19,7374	88	29,428499	26,370199	128	24,155001	23,1752	168	17,125	20,1073	
9	17,3371	13,7307	49	24,5741	19,907801	89	29,3167	26,3701	129	23,998501	23,060101	169	16,934	20,0746	
10	17,5294	13,8704	50	24,741699	20,075899	90	29,201599	26,3596	130	23,841499	22,946699	170	16,739599	20,0429	
11	17,721	14,0112	51	24,905001	20,2479	91	29,087299	26,373899	131	23,686199	22,834299	171	16,5499	20,0159	
12	17,9129	14,1516	52	25,0683	20,4202	92	28,9739	26,368299	132	23,525999	22,723301	172	16,358999	19,9893	
13	18,1023	14,2991	53	25,2355	20,590799	93	28,863001	26,3356	133	23,3643	22,615499	173	16,1681	19,964899	
14	18,2984	14,4373	54	25,400801	20,763599	94	28,749901	26,317699	134	23,205099	22,5063	174	15,9753	19,945601	
15	18,4998	14,5682	55	25,563299	20,940001	95	28,637699	26,3022	135	23,040199	22,4016	175	15,7824	19,9265	
16	18,6834	14,7184	56	25,7306	21,1129	96	28,5256	26,287701	136	22,876801	22,298901	176	15,5908	19,9093	
17	18,8756	14,8612	57	25,8899	21,2929	97	28,4091	26,3053	137	22,7118	22,1989	177	15,3968	19,895	
18	19,06	15,0076	58	26,0481	21,4695	98	28,2976	26,284599	138	22,5452	22,099899	178	15,2024	19,881901	
19	19,246	15,1566	59	26,2082	21,6443	99	28,186001	26,280701	139	22,3785	22,000999	179	15,0052	19,872299	
20	19,432	15,3014	60	26,367901	21,821899	100	28,0718	26,2766	140	22,2092	21,907	180	14,817	19,865	
21	19,6182	15,4488	61	26,532801	21,9925	101	27,9594	26,2686	141	22,038401	21,8134	181	14,6334	19,8601	
22	19,804	15,5982	62	26,688601	22,1733	102	27,8466	26,265499	142	21,8689	21,7248	182	14,4498	19,858299	
23	19,9891	15,7465	63	26,844	22,3522	103	27,7337	26,2558	143	21,6992	21,6348	183	14,2663	19,8563	
24	20,1781	15,8929	64	27,001699	22,531401	104	27,6203	26,249901	144	21,5261	21,548401	184	14,0848	19,8592	
25	20,3568	16,0504	65	27,1549	22,711599	105	27,5077	26,245199	145	21,351999	21,462999	185	13,8899	19,861	
26	20,5418	16,2024	66	27,3085	22,892599	106	27,395901	26,233	146	21,1779	21,381399	186	13,7037	19,8675	
27	20,7307	16,3513	67	27,4641	23,074301	107	27,0495	26,02	147	21,001499	21,300301	187	4,1232	28,578501	
28	20,9112	16,5109	68	27,612301	23,261999	108	26,927299	25,8699	148	20,826799	21,2239	188	2,5494	28,579599	
29	21,0937	16,666	69	27,760099	23,448999	109	26,8039	25,720501	149	20,649099	21,146099	189	0,9744	28,5809	
30	21,2749	16,8229	70	27,9161	23,630501	110	26,676399	25,572201	150	20,4687	21,0728	190	0,005	29,6047	
31	21,4544	16,9783	71	28,0606	23,819099	111	26,551399	25,423	151	20,289801	21,002199	191	0,0002	30,496799	
32	21,6381	17,1298	72	28,2024	24,009501	112	26,4238	25,273199	152	20,1098	20,9296	192	0,0007	31,437201	
33	21,8164	17,2865	73	28,3477	24,198099	113	26,2932	25,129801	153	19,9277	20,8605				
34	21,9906	17,4458	74	28,4846	24,395901	114	26,1611	24,9884	154	19,744699	20,7943				
35	22,1657	17,6077	75	28,624701	24,5877	115	26,0282	24,8475	155	19,561701	20,730801				
36	22,3418	17,7648	76	28,764999	24,7815	116	25,891899	24,7115	156	19,3771	20,6703				
37	22,5222	17,9201	77	28,9086	24,9699	117	25,758101	24,5734	157	19,1943	20,610001				
38	22,6943	18,0844	78	29,082899	25,132601	118	25,6185	24,437201	158	19,008499	20,553101				
39	22,8685	18,2459	79	29,2236	25,324301	119	25,4762	24,3018	159	18,824499	20,500401				
40	23,042	18,412	80	29,3603	25,519899	120	25,3363	24,170601	160	18,639099	20,4468				

VDI 39 / Step 2 / Sección A/ Antes de la erosión / Z= -3,55 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0046	-2,8302	41	23,6071	19,030001	81	29,771099	26,0548	121	25,323799	24,207399	161	19,3491	20,6957
2	-0,0065	-1,9998	42	23,7749	19,192301	82	29,9086	26,2442	122	25,1945	24,0895	162	19,182699	20,642099
3	-0,0088	-1,1334	43	23,9417	19,3554	83	30,0495	26,430401	123	25,0658	23,972601	163	19,0161	20,590799
4	1,2281	0,0459	44	24,1091	19,521299	84	29,9863	26,500299	124	24,9328	23,8577	164	18,8489	20,5415
5	2,1032	0,0454	45	24,2731	19,681299	85	29,7481	26,489	125	24,8008	23,743401	165	18,680901	20,490499
6	2,9795	0,0455	46	24,4356	19,848801	86	29,514799	26,4716	126	24,666599	23,632299	166	18,5103	20,4452
7	17,5421	13,8758	47	24,5979	20,014601	87	29,2974	26,455	127	24,5327	23,522499	167	18,342199	20,401899
8	17,7145	14,0353	48	24,7624	20,1817	88	29,1971	26,4475	128	24,3988	23,4123	168	18,1721	20,358999
9	17,9021	14,1756	49	24,924101	20,3487	89	29,0959	26,439199	129	24,2633	23,307899	169	18,000401	20,317301
10	18,0896	14,3158	50	25,0858	20,5163	90	28,995001	26,4307	130	24,1252	23,1985	170	17,829901	20,278
11	18,2785	14,4583	51	25,249201	20,684799	91	28,893999	26,422501	131	23,981899	23,0935	171	17,660801	20,239901
12	18,4655	14,6003	52	25,411301	20,854099	92	28,793699	26,4132	132	23,840599	22,9902	172	17,4874	20,207199
13	18,6527	14,745	53	25,57	21,0275	93	28,6931	26,4063	133	23,6985	22,8873	173	17,314699	20,1724
14	18,8363	14,886	54	25,7314	21,1975	94	28,594999	26,3978	134	23,5539	22,7871	174	17,144699	20,1397
15	19,0223	15,032	55	25,8915	21,372	95	28,4958	26,387501	135	23,409	22,6866	175	16,971701	20,1115
16	19,2064	15,1738	56	26,0501	21,546	96	28,3958	26,3794	136	23,2654	22,5893	176	16,7999	20,0821
17	19,3896	15,3209	57	26,209	21,7192	97	28,2964	26,3708	137	23,119301	22,491699	177	16,6266	20,056
18	19,5695	15,4632	58	26,366501	21,8922	98	28,1945	26,362101	138	22,970301	22,400299	178	16,4548	20,031601
19	19,7537	15,6109	59	26,524	22,066	99	28,0949	26,3542	139	22,823099	22,306499	179	16,2813	20,009199
20	19,9321	15,7584	60	26,678101	22,240801	100	27,995701	26,344299	140	22,6747	22,2157	180	16,1064	19,9895
21	20,1146	15,9066	61	26,832199	22,416201	101	27,895399	26,3372	141	22,525101	22,1285	181	15,9308	19,9722
22	20,293	16,0536	62	26,983999	22,592501	102	27,794399	26,3286	142	22,374901	22,0397	182	15,7567	19,955
23	20,4745	16,2046	63	27,137899	22,768299	103	27,694201	26,317699	143	22,2216	21,9536	183	15,5808	19,9396
24	20,6514	16,3556	64	27,289499	22,9452	104	27,5931	26,309	144	22,069201	21,8708	184	15,4042	19,926001
25	20,8331	16,5082	65	27,441299	23,1224	105	27,493799	26,3029	145	21,9165	21,788601	185	15,2329	19,914301
26	21,0116	16,6602	66	27,591499	23,301701	106	27,393999	26,2925	146	21,763399	21,7069	186	15,0593	19,9034
27	21,1922	16,8146	67	27,7442	23,481501	107	26,992901	25,998301	147	21,609501	21,626301	187	3,7043	28,605101
28	21,3702	16,9706	68	27,894899	23,663799	108	26,8808	25,8634	148	21,4534	21,5513	188	2,6386	28,6068
29	21,5456	17,1244	69	28,045099	23,8449	109	26,7698	25,7283	149	21,2946	21,4771	189	1,5779	28,606501
30	21,7216	17,28	70	28,191799	24,027	110	26,654499	25,5956	150	21,1367	21,4021	190	-0,0094	29,7607
31	21,8944	17,4349	71	28,3391	24,207899	111	26,541901	25,462601	151	20,977501	21,3286	191	-0,0078	30,483601
32	22,0684	17,5904	72	28,4842	24,3894	112	26,423401	25,3305	152	20,8167	21,257601	192	-0,0101	31,245199
33	22,2414	17,7464	73	28,629601	24,570601	113	26,3076	25,200001	153	20,6553	21,188801	193		
34	22,4133	17,9035	74	28,775101	24,752899	114	26,188999	25,071899	154	20,493099	21,121099	194		
35	22,5843	18,0602	75	28,9195	24,9368	115	26,0702	24,9438	155	20,3311	21,0541	195		
36	22,7558	18,2169	76	29,062901	25,121599	116	25,9484	24,8195	156	20,170099	20,9881	196		
37	22,9265	18,3785	77	29,2061	25,305901	117	25,8269	24,693399	157	20,006201	20,9272	197		
38	23,0971	18,541	78	29,354799	25,487	118	25,700399	24,5676	158	19,842899	20,865499	198		
39	23,2682	18,7025	79	29,489	25,6807	119	25,575399	24,4471	159	19,677	20,8071	199		
40	23,4377	18,8663	80	29,629	25,867901	120	25,452101	24,3277	160	19,5144	20,752399	200		

<i>VDI 39 / Step 2 / Sección A/ Después de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0053	-2,8123	41	23,622101	19,0182	81	29,8242	26,021299	121	25,314899	24,225901	161	19,339399	20,695801	
2	-0,0072	-1,9727	42	23,7917	19,1784	82	30,0226	26,1675	122	25,186701	24,1066	162	19,175301	20,6392	
3	-0,0092	-1,1012	43	23,9527	19,3465	83	30,2115	26,3221	123	25,056999	23,9897	163	19,001301	20,611099	
4	1,2326	0,0452	44	24,121099	19,510799	84	29,979099	26,544001	124	24,9188	23,8801	164	18,841	20,5427	
5	2,1062	0,0444	45	24,287399	19,6737	85	29,748199	26,471001	125	24,785299	23,7659	165	18,674299	20,492201	
6	2,9854	0,0443	46	24,4501	19,8438	86	29,521799	26,363001	126	24,6579	23,646299	166	18,5072	20,4436	
7	17,5424	13,8911	47	24,612801	20,008801	87	29,307199	26,339899	127	24,5324	23,522699	167	18,3395	20,4	
8	17,7337	14,0236	48	24,775801	20,1768	88	29,201401	26,33	128	24,386999	23,4244	168	18,169399	20,3584	
9	17,9192	14,167	49	24,941601	20,342699	89	29,1036	26,315901	129	24,2603	23,3057	169	17,9979	20,3162	
10	18,1042	14,309	50	25,1019	20,5138	90	29,003201	26,305401	130	24,110701	23,214899	170	17,8262	20,2768	
11	18,2922	14,4498	51	25,266701	20,6786	91	28,906	26,282	131	23,966999	23,1147	171	17,656601	20,2381	
12	18,477	14,5898	52	25,428801	20,8496	92	28,804399	26,2773	132	23,8396	22,994499	172	17,4807	20,2048	
13	18,663	14,7297	53	25,5861	21,0229	93	28,703899	26,2743	133	23,6938	22,894199	173	17,311199	20,1712	
14	18,8489	14,8742	54	25,749001	21,192301	94	28,6031	26,2696	134	23,556101	22,790199	174	17,1401	20,1381	
15	19,0308	15,0226	55	25,9111	21,3615	95	28,504	26,2612	135	23,400101	22,7117	175	16,966499	20,109501	
16	19,2163	15,1669	56	26,0683	21,5357	96	28,404699	26,2514	136	23,2658	22,6003	176	16,794901	20,080999	
17	19,4041	15,312	57	26,226	21,710199	97	28,3069	26,2418	137	23,113501	22,5126	177	16,622101	20,054701	
18	19,5889	15,4595	58	26,379801	21,88901	98	28,205999	26,2377	138	22,9674	22,417601	178	16,448601	20,0305	
19	19,7732	15,6016	59	26,539301	22,0627	99	28,103399	26,246401	139	22,8202	22,320601	179	16,2747	20,0075	
20	19,9533	15,7503	60	26,6975	22,2344	100	28,001801	26,248699	140	22,6724	22,223101	180	16,099701	19,9883	
21	20,1331	15,8983	61	26,8435	22,417101	101	27,8993	26,247801	141	22,5196	22,1353	181	15,9248	19,970501	
22	20,3084	16,0521	62	26,996401	22,5937	102	27,7964	26,253	142	22,372601	22,0431	182	15,75	19,9533	
23	20,4932	16,198	63	27,1434	22,7756	103	27,6954	26,258301	143	22,218	21,9622	183	15,5731	19,937901	
24	20,673	16,3478	64	27,2922	22,954599	104	27,5947	26,252501	144	22,064199	21,875601	184	15,3996	19,924999	
25	20,8451	16,5097	65	27,431999	23,142401	105	27,4951	26,2404	145	21,911699	21,7899	185	15,2258	19,912701	
26	21,025	16,6585	66	27,569901	23,3307	106	27,3936	26,2258	146	21,7616	21,7061	186	15,0504	19,902599	
27	21,2086	16,804	67	27,7148	23,5156	107	26,9809	26,011999	147	21,6019	21,6348	187	3,6843	28,6082	
28	21,3837	16,9582	68	27,849199	23,7108	108	26,8547	25,889	148	21,4447	21,556299	188	2,6228	28,6092	
29	21,5604	17,1119	69	27,981501	23,9034	109	26,7395	25,7575	149	21,2866	21,487101	189	1,5636	28,6061	
30	21,7322	17,2683	70	28,1168	24,097601	110	26,6359	25,6185	150	21,131701	21,402599	190	-0,01	29,779699	
31	21,9068	17,4259	71	28,252899	24,2901	111	26,5268	25,483999	151	20,973101	21,325701	191	-0,0104	30,515301	
32	22,0869	17,5802	72	28,388399	24,4821	112	26,4188	25,3475	152	20,812401	21,2565	192	-0,0108	31,274401	
33	22,2586	17,7401	73	28,513201	24,6821	113	26,309601	25,2139	153	20,649599	21,190599				
34	22,4301	17,8995	74	28,6439	24,8738	114	26,1968	25,0818	154	20,4825	21,1308				
35	22,6049	18,0556	75	28,770901	25,069799	115	26,0604	24,9688	155	20,325701	21,0546				
36	22,775	18,2161	76	28,9027	25,261499	116	25,939301	24,843	156	20,1656	20,985701				
37	22,9489	18,3702	77	29,058399	25,433399	117	25,8339	24,7003	157	20,000999	20,9247				
38	23,1158	18,5358	78	29,2169	25,603399	118	25,7082	24,575899	158	19,836399	20,8627				
39	23,2836	18,6959	79	29,3627	25,784	119	25,5823	24,4536	159	19,672501	20,804399				
40	23,4502	18,8596	80	29,5868	25,9065	120	25,454599	24,3312	160	19,506701	20,7488				

<i>VDI 39 / Step 2 / Sección B/ Antes de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0036	-3,1254	41	23,205099	18,625299	81	29,446699	25,6038	121	25,754299	24,6028	161	20,7714	21,2216
2	-0,0006	-2,3463	42	23,3755	18,788401	82	29,5863	25,7922	122	25,6465	24,496201	162	20,631701	21,162901
3	-0,0022	-1,532	43	23,5455	18,952101	83	29,729601	25,9797	123	25,5366	24,3906	163	20,4897	21,104401
4	1,1903	0,0323	44	23,714899	19,1157	84	29,8689	26,168301	124	25,427299	24,2887	164	20,348301	21,046101
5	2,3486	0,0312	45	23,881599	19,279499	85	30,009199	26,3563	125	25,315201	24,1833	165	20,209499	20,9879
6	3,5142	0,0324	46	24,0502	19,443899	86	30,1203	26,485001	126	25,205999	24,081699	166	20,066799	20,9349
7	17,066	13,5485	47	24,215401	19,6075	87	30,0343	26,485901	127	25,0919	23,980801	167	19,9249	20,8829
8	17,257	13,6853	48	24,3797	19,7722	88	29,8939	26,4827	128	24,979401	23,879999	168	19,783701	20,829
9	17,4456	13,8238	49	24,5417	19,9384	89	29,7533	26,476299	129	24,862801	23,781799	169	19,6415	20,7799
10	17,6342	13,962	50	24,7062	20,1049	90	29,6113	26,4648	130	24,7495	23,6835	170	19,499001	20,729799
11	17,8226	14,0997	51	24,8685	20,2712	91	29,472099	26,4568	131	24,632999	23,5858	171	19,355101	20,683001
12	18,0116	14,2389	52	25,029499	20,440599	92	29,3319	26,4438	132	24,516399	23,492001	172	19,212601	20,635599
13	18,1987	14,3814	53	25,1936	20,6077	93	29,192101	26,4324	133	24,3967	23,3964	173	19,067301	20,5931
14	18,3872	14,5228	54	25,354601	20,776899	94	29,0513	26,423201	134	24,2815	23,304199	174	18,9238	20,5462
15	18,5751	14,6681	55	25,516399	20,948601	95	28,9118	26,409599	135	24,16	23,2097	175	18,777201	20,5051
16	18,7622	14,81	56	25,6752	21,120199	96	28,770201	26,3988	136	24,0396	23,120399	176	18,629601	20,463301
17	18,9485	14,9552	57	25,8374	21,2936	97	28,629999	26,3876	137	23,915899	23,028099	177	18,4818	20,4226
18	19,1319	15,099	58	25,9977	21,4687	98	28,491301	26,372	138	23,7941	22,9387	178	18,3358	20,3843
19	19,3156	15,2442	59	26,1558	21,6429	99	28,3522	26,3626	139	23,670401	22,8496	179	18,1875	20,3487
20	19,4997	15,3877	60	26,314301	21,815701	100	28,2117	26,3508	140	23,545601	22,7623	180	18,0401	20,310699
21	19,6791	15,5344	61	26,471201	21,990101	101	28,070499	26,337601	141	23,4196	22,6777	181	17,892401	20,2784
22	19,8603	15,68	62	26,626499	22,164101	102	27,929501	26,3265	142	23,294399	22,5924	182	17,743299	20,2435
23	20,0409	15,8282	63	26,7812	22,339899	103	27,788799	26,3141	143	23,1667	22,5075	183	17,5952	20,213301
24	20,2232	15,9774	64	26,934999	22,516001	104	27,648399	26,3013	144	23,0401	22,4265	184	17,4471	20,184
25	20,402	16,1254	65	27,0875	22,6926	105	27,507	26,2897	145	22,910801	22,3473	185	17,2976	20,1537
26	20,5834	16,2792	66	27,2395	22,8701	106	27,3675	26,2775	146	22,7831	22,264	186	17,150101	20,1255
27	20,7623	16,4314	67	27,3925	23,046301	107	27,167101	26,187799	147	22,655001	22,186899	187	3,7364	28,591999
28	20,9414	16,5822	68	27,5453	23,2253	108	27,069099	26,0695	148	22,5259	22,1113	188	2,6618	28,5935
29	21,122	16,7377	69	27,6957	23,4048	109	26,973301	25,9524	149	22,3937	22,0364	189	1,5925	28,5924
30	21,2993	16,8918	70	27,846399	23,585899	110	26,876699	25,8368	150	22,263399	21,960699	190	-0,0074	29,8769
31	21,4769	17,0466	71	27,998301	23,7675	111	26,7794	25,7202	151	22,130501	21,888599	191	-0,0074	30,633301
32	21,6517	17,2028	72	28,1444	23,9512	112	26,681101	25,6056	152	21,998699	21,8141	192	-0,0075	31,426201
33	21,8295	17,358	73	28,2941	24,131701	113	26,5814	25,490499	153	21,863199	21,743999			
34	22,0033	17,5147	74	28,440399	24,313601	114	26,4811	25,375601	154	21,732599	21,6752			
35	22,1776	17,6705	75	28,5849	24,494801	115	26,3797	25,262899	155	21,5963	21,6061			
36	22,349	17,8264	76	28,730301	24,678499	116	26,2801	25,149401	156	21,4634	21,539301			
37	22,519	17,9823	77	28,8738	24,8626	117	26,176001	25,0397	157	21,3239	21,472601			
38	22,6905	18,1428	78	29,0184	25,0462	118	26,071199	24,928801	158	21,1873	21,4098			
39	22,8632	18,3008	79	29,1644	25,2293	119	25,966801	24,820499	159	21,0483	21,3458			
40	23,035	18,4625	80	29,3036	25,4181	120	25,862	24,710899	160	20,9111	21,284401			



<i>VDI 39 / Step 2 / Sección B/ Después de la erosión / Z= -2,35 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0019	-3,1184	41	23,2204	18,610701	81	29,302401	25,713499	121	25,7551	24,6061	161	20,7633	21,2239	
2	-0,0024	-2,3303	42	23,392099	18,768299	82	29,4573	25,888201	122	25,6474	24,4986	162	20,618099	21,1173	
3	-0,0036	-1,5155	43	23,5541	18,9373	83	29,7358	25,9713	123	25,5315	24,396	163	20,4809	21,106701	
4	1,188	0,0223	44	23,7234	19,1012	84	29,952499	26,1033	124	25,4188	24,297001	164	20,342699	21,046499	
5	2,3532	0,0307	45	23,887699	19,2672	85	30,1359	26,2621	125	25,311701	24,1908	165	20,204	20,985701	
6	3,5171	0,0312	46	24,056299	19,429701	86	30,112	26,5522	126	25,2008	24,084101	166	20,060801	20,933001	
7	17,0821	13,534	47	24,225401	19,594101	87	30,026699	26,5376	127	25,068501	24,006001	167	19,9196	20,8806	
8	17,2662	13,6769	48	24,385099	19,764	88	29,8883	26,5072	128	24,9571	23,8999	168	19,774599	20,8319	
9	17,4529	13,8216	49	24,551701	19,926701	89	29,750299	26,471399	129	24,8449	23,798901	169	19,633101	20,777599	
10	17,6469	13,9521	50	24,715	20,094601	90	29,616501	26,400499	130	24,7358	23,690599	170	19,488001	20,7351	
11	17,8343	14,0912	51	24,8897	20,2528	91	29,477699	26,3647	131	24,607201	23,608999	171	19,3456	20,679899	
12	18,0225	14,2329	52	25,040701	20,431999	92	29,3405	26,333401	132	24,4904	23,5119	172	19,2031	20,633101	
13	18,2114	14,3707	53	25,2066	20,5949	93	29,199301	26,3139	133	24,3745	23,417601	173	19,0569	20,589899	
14	18,3982	14,511	54	25,364	20,7708	94	29,0611	26,2967	134	24,252899	23,3256	174	18,909901	20,559401	
15	18,5859	14,6545	55	25,531601	20,935101	95	28,9212	26,284201	135	24,135599	23,233999	175	18,7689	20,5047	
16	18,7683	14,7947	56	25,688801	21,109501	96	28,7838	26,2528	136	24,0208	23,1322	176	18,6231	20,4618	
17	18,9552	14,938	57	25,849001	21,282101	97	28,6455	26,237801	137	23,8962	23,049999	177	18,475901	20,4214	
18	19,1422	15,0794	58	26,0096	21,4536	98	28,5037	26,227699	138	23,790899	22,937401	178	18,329599	20,385	
19	19,3271	15,2284	59	26,1621	21,633699	99	28,362101	26,2358	139	23,6646	22,853901	179	18,184601	20,3484	
20	19,509	15,3778	60	26,3234	21,804899	100	28,2209	26,2369	140	23,546301	22,7635	180	18,034901	20,319099	
21	19,6944	15,5229	61	26,4825	21,9793	101	28,0805	26,226	141	23,4137	22,688299	181	17,886499	20,2775	
22	19,8731	15,6728	62	26,637899	22,1577	102	27,9373	26,230801	142	23,2876	22,6043	182	17,737801	20,2423	
23	20,0502	15,8243	63	26,7932	22,330099	103	27,794399	26,235701	143	23,1681	22,5114	183	17,588301	20,2118	
24	20,24	15,9628	64	26,944799	22,51	104	27,6541	26,2276	144	23,041	22,429199	184	17,4398	20,1835	
25	20,4148	16,1202	65	27,093	22,691799	105	27,511801	26,212999	145	22,904499	22,359301	185	17,2925	20,1528	
26	20,5943	16,2687	66	27,2383	22,872499	106	27,369101	26,193501	146	22,781601	22,2661	186	17,142	20,1238	
27	20,7764	16,4194	67	27,3825	23,0574	107	27,187099	26,1672	147	22,6532	22,187599	187	3,7195	28,5926	
28	20,9537	16,5735	68	27,5277	23,239901	108	27,0655	26,067499	148	22,5151	22,119699	188	2,6448	28,593399	
29	21,129	16,7289	69	27,6667	23,4293	109	26,952299	25,9629	149	22,389299	22,035299	189	1,5762	28,5956	
30	21,3112	16,8772	70	27,8006	23,6241	110	26,843599	25,8561	150	22,2577	21,9601	190	-0,0088	29,881399	
31	21,4892	17,0303	71	27,9342	23,818399	111	26,7528	25,7372	151	22,125999	21,886499	191	-0,0092	30,648399	
32	21,6627	17,1833	72	28,073601	24,0084	112	26,6605	25,6189	152	21,9932	21,8118	192	-0,0095	31,443399	
33	21,8345	17,3429	73	28,212299	24,1991	113	26,5674	25,5007	153	21,858999	21,742201	193			
34	22,0157	17,4985	74	28,3451	24,3953	114	26,4727	25,382799	154	21,723499	21,6747	194			
35	22,1901	17,656	75	28,4818	24,5854	115	26,378799	25,267799	155	21,590099	21,6022	195			
36	22,3645	17,8124	76	28,6035	24,783899	116	26,280899	25,154301	156	21,455	21,5371	196			
37	22,5367	17,9748	77	28,7323	24,9799	117	26,178699	25,044001	157	21,318199	21,469999	197			
38	22,729	18,1099	78	28,8617	25,173401	118	26,0742	24,933201	158	21,1814	21,407499	198			
39	22,878	18,2924	79	29,000601	25,3594	119	25,9674	24,823099	159	21,041201	21,3473	199			
40	23,0452	18,4548	80	29,148001	25,5394	120	25,8603	24,7117	160	20,902201	21,281799	200			

<i>VDI 39 / Step 2 / Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0035	-3,0315	41	23,2131	18,6168	81	29,544399	25,715799	121	25,2139	24,0714	161	18,4751	20,4065	
2	0,0006	-1,9153	42	23,384899	18,781099	82	29,688101	25,907101	122	25,0683	23,9401	162	18,2873	20,358	
3	0,0008	-0,7967	43	23,5581	18,946199	83	29,8326	26,098301	123	24,922199	23,8139	163	18,0972	20,312401	
4	0,9403	0,0173	44	23,731001	19,114	84	29,972401	26,2887	124	24,7771	23,690399	164	17,9084	20,2687	
5	2,482	0,0185	45	23,9002	19,2803	85	30,1129	26,481001	125	24,627701	23,566401	165	17,7192	20,224199	
6	4,0302	0,0193	46	24,070999	19,445299	86	29,9496	26,4736	126	24,4785	23,445101	166	17,530199	20,187201	
7	16,9684	13,4631	47	24,238501	19,614201	87	29,562799	26,448999	127	24,327999	23,325701	167	17,339001	20,147499	
8	17,1644	13,6029	48	24,4048	19,7792	88	29,443199	26,440901	128	24,176001	23,2057	168	17,149599	20,1134	
9	17,3569	13,742	49	24,569099	19,947701	89	29,329599	26,430599	129	24,020201	23,089899	169	16,9582	20,080799	
10	17,5468	13,8827	50	24,7358	20,1182	90	29,2171	26,4228	130	23,8631	22,973499	170	16,7673	20,050301	
11	17,7414	14,0233	51	24,901199	20,2887	91	29,1043	26,4135	131	23,706301	22,8589	171	16,575701	20,021601	
12	17,9306	14,1641	52	25,065701	20,459801	92	28,991301	26,4035	132	23,5466	22,7477	172	16,3836	19,995199	
13	18,1223	14,3075	53	25,2321	20,6292	93	28,8787	26,3936	133	23,385599	22,637899	173	16,1919	19,9715	
14	18,3137	14,4518	54	25,394899	20,802299	94	28,7663	26,3855	134	23,224701	22,528999	174	15,997	19,950899	
15	18,5063	14,5972	55	25,5581	20,9772	95	28,6534	26,375299	135	23,061001	22,4235	175	15,8024	19,9303	
16	18,695	14,7427	56	25,723	21,151501	96	28,542999	26,365	136	22,8962	22,3232	176	15,6083	19,914101	
17	18,8847	14,889	57	25,886499	21,329	97	28,431	26,3563	137	22,7349	22,2188	177	15,4139	19,8986	
18	19,0705	15,0355	58	26,0478	21,508499	98	28,3176	26,346001	138	22,5674	22,121401	178	15,2217	19,8866	
19	19,259	15,1814	59	26,2099	21,684	99	28,2036	26,3358	139	22,402201	22,023899	179	15,0292	19,876101	
20	19,4444	15,3285	60	26,369801	21,8613	100	28,09	26,325899	140	22,2342	21,928801	180	14,8342	19,869499	
21	19,628	15,4773	61	26,5291	22,037201	101	27,978001	26,3167	141	22,065001	21,8368	181	14,6385	19,864401	
22	19,8132	15,6252	62	26,6859	22,214199	102	27,8641	26,307199	142	21,894501	21,745899	182	14,4495	19,861601	
23	19,9968	15,7763	63	26,8438	22,392099	103	27,7505	26,2976	143	21,723499	21,6569	183	14,2627	19,8601	
24	20,1815	15,9268	64	26,997601	22,5728	104	27,636499	26,288099	144	21,5518	21,568899	184	14,073	19,862801	
25	20,3643	16,0788	65	27,1542	22,7521	105	27,5229	26,276899	145	21,3783	21,4855	185	13,8854	19,8652	
26	20,5467	16,2329	66	27,3092	22,9303	106	27,410101	26,267799	146	21,2029	21,400499	186	13,7048	19,870701	
27	20,73	16,3876	67	27,464001	23,111099	107	27,066601	26,0476	147	21,0271	21,320499	187	4,1205	28,579399	
28	20,9125	16,542	68	27,616899	23,295099	108	26,941601	25,8983	148	20,849199	21,2407	188	2,5438	28,5811	
29	21,0955	16,6991	69	27,770901	23,476299	109	26,818899	25,7493	149	20,671	21,166599	189	0,9709	28,58	
30	21,2777	16,8542	70	27,9251	23,660999	110	26,693501	25,6026	150	20,4904	21,089399	190	0,0033	29,6336	
31	21,4585	17,0129	71	28,075399	23,8461	111	26,5662	25,455299	151	20,309799	21,017099	191	0,0003	30,538099	
32	21,6351	17,1703	72	28,225901	24,0303	112	26,437901	25,309299	152	20,131399	20,945801	192	-0,0013	31,477699	
33	21,8149	17,3279	73	28,376101	24,215099	113	26,309299	25,1644	153	19,9491	20,8778	193			
34	21,9904	17,4881	74	28,5242	24,399599	114	26,177601	25,0228	154	19,7675	20,809299	194			
35	22,169	17,646	75	28,6726	24,584801	115	26,044901	24,882099	155	19,585199	20,7449	195			
36	22,3427	17,8048	76	28,8202	24,772301	116	25,9097	24,743999	156	19,401699	20,6845	196			
37	22,5157	17,9641	77	28,9662	24,959	117	25,775101	24,605101	157	19,219101	20,6238	197			
38	22,6906	18,1227	78	29,111799	25,1469	118	25,635799	24,4692	158	19,0343	20,567801	198			
39	22,8652	18,2858	79	29,2563	25,336399	119	25,496201	24,333401	159	18,8486	20,511101	199			
40	23,0405	18,4484	80	29,401899	25,5242	120	25,354099	24,2013	160	18,6625	20,4587	200			

VDI 39 / Step 2 / Sección C/ Después de la erosión / Z= -1,15 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0028	-2,7759	48	23,1185	18,5082	95	28,3822	24,3972	142	26,045401	24,8871	189	21,2409	21,419901
2	-0,0012	-1,8968	49	23,431299	18,8069	96	28,4704	24,5324	143	25,9555	24,795601	190	21,013399	21,3277
3	0	-0,9864	50	23,606199	18,979099	97	28,558701	24,6653	144	25,8694	24,7034	191	20,779699	21,2115
4	1,2726	0,0199	51	23,719299	19,091101	98	28,6443	24,802999	145	25,7789	24,6145	192	20,5385	21,112801
5	2,4433	0,0195	52	23,837099	19,2006	99	28,731199	24,937099	146	25,6884	24,525499	193	20,300301	21,0172
6	3,6137	0,0203	53	23,9533	19,314501	100	28,8109	25,0774	147	25,5966	24,4352	194	20,0609	20,9205
7	4,7455	0,3161	54	24,0686	19,426201	101	28,898899	25,209299	148	25,5051	24,347099	195	19,817699	20,829
8	4,7504	0,6313	55	24,180201	19,542299	102	28,979799	25,347799	149	25,412201	24,2607	196	19,5716	20,7486
9	4,7504	0,9473	56	24,291901	19,653299	103	29,069099	25,4804	150	25,320299	24,1719	197	19,326599	20,660801
10	9,7085	9,0464	57	24,405701	19,7689	104	29,1658	25,607201	151	25,2272	24,0875	198	19,079399	20,5842
11	10,0946	9,2482	58	24,5208	19,8804	105	29,253201	25,7383	152	25,131701	24,002501	199	18,8342	20,5091
12	10,4771	9,4506	59	24,635401	19,993099	106	29,353701	25,863501	153	25,032801	23,923401	200	18,5842	20,438
13	10,8631	9,6464	60	24,740499	20,111799	107	29,4396	25,998199	154	24,940901	23,833099	201	18,3356	20,371599
14	11,2395	9,865	61	24,8498	20,2302	108	29,5117	26,1446	155	24,8431	23,750799	202	18,0849	20,3092
15	11,618	10,0728	62	24,9664	20,342501	109	29,538401	26,3235	156	24,7472	23,668301	203	17,827801	20,268999
16	11,995	10,2871	63	25,0739	20,460699	110	29,8256	25,987	157	24,6502	23,587299	204	17,5795	20,197201
17	12,3769	10,4926	64	25,186501	20,5746	111	29,698601	26,096201	158	24,549999	23,5072	205	17,322901	20,1471
18	12,7467	10,7194	65	25,298901	20,6898	112	29,5769	26,153099	159	24,452999	23,426701	206	17,067699	20,0986
19	13,1202	10,9393	66	25,408501	20,808701	113	29,458401	26,1889	160	24,3542	23,3496	207	16,815701	20,0588
20	13,4945	11,16	67	25,5168	20,926399	114	29,338301	26,2166	161	24,256201	23,27	208	16,557301	20,0207
21	13,8622	11,3892	68	25,6336	21,039301	115	29,222401	26,219999	162	24,156	23,194	209	16,301901	19,9842
22	14,233	11,6094	69	25,7425	21,156601	116	29,106701	26,226299	163	24,0539	23,117599	210	16,0436	19,956499
23	14,5892	11,8549	70	25,8501	21,275499	117	28,992201	26,2314	164	23,9527	23,0425	211	15,7853	19,929899
24	14,9567	12,0849	71	25,9629	21,389799	118	28,877001	26,224501	165	23,8508	22,967501	212	15,523	19,907801
25	15,3175	12,3243	72	26,0681	21,5112	119	28,7652	26,225901	166	23,75	22,893299	213	15,2648	19,8911
26	15,6808	12,5601	73	26,178301	21,6299	120	28,6472	26,227501	167	23,647301	22,819401	214	15,0069	19,8752
27	16,045	12,7974	74	26,287701	21,748899	121	28,534901	26,221901	168	23,542999	22,747801	215	14,7491	19,8715
28	16,4031	13,0496	75	26,3969	21,868	122	28,4205	26,221201	169	23,440001	22,6765	216	14,4883	19,866301
29	16,7543	13,305	76	26,501101	21,993999	123	28,3057	26,2243	170	23,334299	22,605801	217	14,2322	19,861
30	17,109	13,5522	77	26,608999	22,1129	124	28,1919	26,219999	171	23,229601	22,5355	218	13,9788	19,8647
31	17,4585	13,808	78	26,7159	22,2332	125	28,0758	26,217699	172	23,1238	22,465099	219	13,7265	19,870399
32	17,8078	14,0614	79	26,825399	22,349501	126	27,9601	26,2164	173	23,014799	22,398399	220	13,4862	19,878401
33	18,1526	14,3225	80	26,9268	22,4748	127	27,841499	26,210899	174	22,9076	22,3316	221	13,2454	19,8832
34	18,4968	14,5823	81	27,0277	22,5989	128	27,7274	26,2111	175	22,799601	22,2631	222	12,989	19,895599
35	18,841	14,8442	82	27,1297	22,7232	129	27,6126	26,204201	176	22,691999	22,196899	223	12,731	19,9154
36	19,1916	15,1032	83	27,232401	22,844	130	27,041401	26,028099	177	22,5826	22,1315	224	12,4746	19,941799
37	19,5309	15,3776	84	27,329599	22,969801	131	26,952499	25,9338	178	22,4723	22,068399	225	12,2143	19,975901
38	19,8644	15,6535	85	27,430901	23,094101	132	26,8631	25,8435	179	22,352501	22,021	226	11,9559	20,0191
39	20,202	15,9241	86	27,530199	23,2199	133	26,784401	25,7463	180	22,251699	21,941601	227	11,6984	20,069901
40	20,5334	16,2022	87	27,6327	23,344299	134	26,707199	25,6455	181	22,1359	21,8902	228	11,4444	20,131399
41	20,8661	16,4811	88	27,718901	23,482201	135	26,629299	25,5471	182	22,028099	21,8251	229	11,1925	20,192801
42	21,191601	16,7675	89	27,813499	23,6133	136	26,5515	25,448999	183	21,918501	21,7607	230	3,301	28,582001
43	21,518499	17,047001	90	27,912399	23,740101	137	26,4702	25,3538	184	21,807301	21,700199	231	2,4316	28,582899
44	21,8435	17,3346	91	28,014	23,8643	138	26,389299	25,2582	185	21,694099	21,6434	232	1,5672	28,580999
45	22,164499	17,629801	92	28,0982	24,0037	139	26,3055	25,164	186	21,5797	21,5849	233	0,0031	29,451401
46	22,4849	17,9217	93	28,195499	24,132099	140	26,2197	25,0716	187	21,467199	21,5303	234	-0,0019	30,441601
47	22,805599	18,2122	94	28,2931	24,2623	141	26,129299	24,983801	188	21,353201	21,476	235	-0,0036	31,460199

<i>VDI 39 / Step 3 / Sección A/ Antes de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0236	-2,8713	41	17,547501	13,9279	81	29,3643	25,5208	121	24,3706	23,403	161	11,7925	20,077499	
2	-0,0229	-2,1213	42	18,001699	14,2627	82	29,5968	25,829399	122	24,196899	23,267401	162	11,3072	20,188801	
3	-0,0245	-1,3156	43	18,455099	14,6035	83	29,83	26,1418	123	24,0231	23,1334	163	10,8293	20,327101	
4	1,2366	0,0358	44	18,9046	14,949	84	30,060699	26,4557	124	23,844601	23,0023	164	10,3597	20,4923	
5	2,1572	0,038	45	19,352501	15,3001	85	29,807301	26,497	125	23,663799	22,8757	165	9,8998	20,684799	
6	3,0857	0,0413	46	19,792299	15,6528	86	29,4203	26,470501	126	23,4834	22,7488	166	9,4513	20,9014	
7	4,7246	0,9299	47	20,246901	16,0273	87	29,2388	26,451599	127	23,3006	22,625401	167	9,0173	21,1436	
8	4,7301	1,4881	48	20,5464	16,276699	88	29,132799	26,4433	128	23,114901	22,501699	168	8,5966	21,410999	
9	4,7687	2,057	49	20,8409	16,5268	89	29,029499	26,436001	129	22,9303	22,384501	169	8,1924	21,7005	
10	4,8423	2,6195	50	21,135201	16,7791	90	28,9251	26,426399	130	22,742701	22,2684	170	7,8063	22,009899	
11	4,952	3,1754	51	21,429001	17,0341	91	28,8216	26,4177	131	22,552999	22,1549	171	7,4402	22,344601	
12	5,1004	3,7264	52	21,722	17,2925	92	28,7174	26,409	132	22,3627	22,0434	172	7,0889	22,700701	
13	5,2858	4,2681	53	22,013	17,554001	93	28,6141	26,4007	133	22,171499	21,935699	173	6,7597	23,0734	
14	5,5026	4,794	54	22,299801	17,813499	94	28,509701	26,3906	134	21,978399	21,8298	174	6,4531	23,4653	
15	5,7539	5,3115	55	22,5837	18,075399	95	28,4046	26,382401	135	21,7813	21,728201	175	6,1676	23,8741	
16	6,0404	5,8062	56	22,8652	18,338699	96	28,299801	26,3727	136	21,584801	21,625601	176	5,9071	24,2976	
17	6,3544	6,2818	57	23,150499	18,5994	97	28,197701	26,3652	137	21,3869	21,527399	177	5,6707	24,7351	
18	6,6998	6,7329	58	23,4272	18,869499	98	28,093901	26,355499	138	21,187401	21,4314	178	5,4597	25,186399	
19	7,0758	7,1644	59	23,7062	19,1397	99	27,989	26,3486	139	20,9879	21,339199	179	5,2746	25,6478	
20	7,4809	7,573	60	23,983999	19,413601	100	27,884001	26,3398	140	20,787201	21,248501	180	5,117	26,116699	
21	7,913	7,9526	61	24,262199	19,686001	101	27,7803	26,331301	141	20,5832	21,162701	181	4,9861	26,599001	
22	8,364	8,3013	62	24,538	19,961399	102	27,677299	26,322201	142	20,378099	21,080099	182	4,8821	27,0805	
23	8,8396	8,6197	63	24,807899	20,2377	103	27,573799	26,310101	143	20,172199	20,997101	183	4,8061	27,567101	
24	9,3358	8,8983	64	25,075701	20,515499	104	27,4694	26,3046	144	19,9669	20,916201	184	4,7553	28,059601	
25	9,8391	9,1623	65	25,3424	20,7945	105	26,883301	25,874001	145	19,5931	20,781799	185	3,5393	28,6141	
26	10,3447	9,4257	66	25,607201	21,074699	106	26,741699	25,702999	146	19,122801	20,6276	186	2,4118	28,613501	
27	10,8426	9,6919	67	25,8713	21,3603	107	26,598301	25,534901	147	18,6448	20,485201	187	1,2896	28,610901	
28	11,3399	9,9626	68	26,1357	21,6479	108	26,454	25,368999	148	18,1661	20,3598	188	-0,0211	29,839001	
29	11,837	10,2395	69	26,398199	21,938101	109	26,304899	25,2031	149	17,683901	20,248899	189	-0,0227	30,3946	
30	12,3281	10,5229	70	26,656401	22,227301	110	26,1548	25,041	150	17,196501	20,1546	190	-0,0215	31,002399	
31	12,8177	10,8072	71	26,912701	22,518499	111	26,002899	24,882601	151	16,7052	20,072901				
32	13,304	11,0981	72	27,164801	22,810699	112	25,8501	24,724501	152	16,2101	20,004101				
33	13,788	11,3918	73	27,417299	23,1049	113	25,693399	24,569099	153	15,7154	19,9541				
34	14,2668	11,692	74	27,6647	23,4025	114	25,5373	24,4146	154	15,2193	19,9175				
35	14,7451	11,9995	75	27,9132	23,697201	115	25,375999	24,264	155	14,7259	19,896999				
36	15,2238	12,3103	76	28,160101	23,9972	116	25,215099	24,1152	156	14,2306	19,8897				
37	15,6952	12,6256	77	28,4063	24,2974	117	25,0529	23,9699	157	13,7582	19,8965				
38	16,1624	12,9445	78	28,6495	24,600901	118	24,8859	23,824499	158	13,2851	19,914301				
39	16,6296	13,2684	79	28,8888	24,9069	119	24,715599	23,682199	159	12,7844	19,938499				
40	17,0866	13,5965	80	29,1297	25,2129	120	24,5453	23,542	160	12,2862	19,9942				

VDI 39 / Step 3 / Sección A/ Después de la erosión / Z= -3,55 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0164	-2,8772	41	17,562	13,9306	81	29,2071	25,652399	121	24,371	23,4049	161	11,8269	20,0877
2	-0,0229	-2,0849	42	18,0189	14,2677	82	29,565001	25,8687	122	24,196301	23,2673	162	11,339	20,200001
3	-0,0233	-1,2784	43	18,4764	14,6065	83	29,905001	26,0994	123	24,0226	23,1332	163	10,862	20,3353
4	1,2894	0,0342	44	18,9245	14,9555	84	30,1959	26,3703	124	23,8463	23,0044	164	10,3965	20,505699
5	2,2081	0,0372	45	19,368	15,3071	85	29,8195	26,525999	125	23,667299	22,8787	165	9,9338	20,6898
6	3,1325	0,0386	46	19,8123	15,6576	86	29,447599	26,318199	126	23,4886	22,753201	166	9,4885	20,9014
7	4,726	0,9682	47	20,267099	16,0289	87	29,2693	26,281	127	23,307501	22,630899	167	9,0584	21,147499
8	4,7326	1,5232	48	20,568001	16,2742	88	29,162901	26,259399	128	23,122499	22,507	168	8,6377	21,4151
9	4,7697	2,0581	49	20,857401	16,5303	89	29,059799	26,2395	129	22,937599	22,3899	169	8,23	21,7019
10	4,8437	2,6184	50	21,152	16,7847	90	28,9555	26,224001	130	22,750299	22,274	170	7,8426	22,011101
11	4,9531	3,1759	51	21,445801	17,040899	91	28,8521	26,2043	131	22,562	22,160601	171	7,4744	22,346399
12	5,1037	3,7303	52	21,743	17,290501	92	28,7507	26,190001	132	22,371799	22,048599	172	7,1189	22,694799
13	5,2913	4,2687	53	22,0291	17,5525	93	28,646999	26,181499	133	22,1791	21,940901	173	6,792	23,068701
14	5,5084	4,7974	54	22,313299	17,814301	94	28,542299	26,178301	134	21,985399	21,8349	174	6,4835	23,4582
15	5,7589	5,3118	55	22,597799	18,0783	95	28,438601	26,170601	135	21,7896	21,7327	175	6,2059	23,868099
16	6,0454	5,8092	56	22,883101	18,342699	96	28,334999	26,17	136	21,581499	21,6556	176	5,9361	24,282499
17	6,3607	6,2873	57	23,165199	18,610001	97	28,23	26,1696	137	21,397301	21,533199	177	5,6919	24,721201
18	6,7135	6,7385	58	23,448	18,8743	98	28,1273	26,1576	138	21,198799	21,437401	178	5,4849	25,172899
19	7,0851	7,1718	59	23,724701	19,1462	99	28,0233	26,152201	139	20,998699	21,345301	179	5,2948	25,6343
20	7,4885	7,5775	60	24,0068	19,4133	100	27,9188	26,1486	140	20,7971	21,252701	180	5,1305	26,1022
21	7,9232	7,9592	61	24,2813	19,6835	101	27,813101	26,149401	141	20,5944	21,1686	181	4,9977	26,5765
22	8,3809	8,3117	62	24,553699	19,9583	102	27,709801	26,141899	142	20,392599	21,084101	182	4,8911	27,064199
23	8,857	8,629	63	24,8207	20,238001	103	27,6056	26,133301	143	20,186001	21,002399	183	4,8082	27,5543
24	9,3547	8,9126	64	25,0905	20,5179	104	27,499701	26,124901	144	19,9788	20,921301	184	4,7554	28,049601
25	9,8589	9,1707	65	25,361601	20,7962	105	26,9021	25,8634	145	19,605101	20,785801	185	3,544	28,614201
26	10,3598	9,4326	66	25,624399	21,079599	106	26,747999	25,6999	146	19,1346	20,6318	186	2,4181	28,613001
27	10,8617	9,7	67	25,8925	21,3627	107	26,58	25,5539	147	18,6523	20,5137	187	1,292	28,611
28	11,3594	9,9705	68	26,148199	21,656	108	26,432301	25,389099	148	18,1796	20,368999	188	-0,0216	29,832899
29	11,8507	10,2468	69	26,4126	21,938	109	26,299999	25,214399	149	17,6957	20,251101	189	-0,0217	30,4324
30	12,3436	10,5298	70	26,6642	22,231701	110	26,157499	25,047001	150	17,2076	20,1604	190	-0,022	31,0392
31	12,8354	10,8157	71	26,92	22,521099	111	26,007401	24,8897	151	16,717899	20,0798			
32	13,3235	11,1038	72	27,1632	22,8228	112	25,8547	24,7307	152	16,226101	20,016399			
33	13,8054	11,4017	73	27,403799	23,128	113	25,697201	24,575199	153	15,7305	19,9676			
34	14,2869	11,6992	74	27,629999	23,448299	114	25,5417	24,420601	154	15,2314	19,9266			
35	14,7569	12,0089	75	27,860701	23,762899	115	25,3799	24,2691	155	14,7357	19,9139			
36	15,2367	12,3094	76	28,087601	24,079201	116	25,2178	24,1192	156	14,2467	19,902			
37	15,7097	12,6304	77	28,306	24,399	117	25,0525	23,9709	157	13,7538	19,910801			
38	16,1727	12,9587	78	28,498899	24,738001	118	24,885201	23,825701	158	13,2738	19,927099			
39	16,6423	13,2745	79	28,6959	25,072701	119	24,714001	23,682699	159	12,811	19,9562			
40	17,1065	13,5968	80	28,9298	25,3787	120	24,5448	23,5424	160	12,3167	20,0068			

<i>VDI 39 / Step 3 / Sección B/ Antes de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0108	-2,782	41	18,7659	14,8176	81	29,2941	25,4004	121	23,7479	22,912399	161	10,6476	20,380699
2	-0,01	-1,865	42	19,2488	15,1961	82	29,497101	25,667299	122	23,523001	22,7549	162	10,2308	20,5371
3	-0,0099	-0,8941	43	19,724501	15,576	83	29,696199	25,9354	123	23,2948	22,6012	163	9,8232	20,7136
4	1,1364	0,0254	44	20,197701	15,9611	84	29,898001	26,203501	124	23,068199	22,4501	164	9,4261	20,909901
5	2,2872	0,0291	45	20,662901	16,353001	85	30,0973	26,474001	125	22,834999	22,3055	165	9,0414	21,1259
6	3,4421	0,0287	46	21,1269	16,749399	86	29,871099	26,4872	126	22,601801	22,1651	166	8,6669	21,362
7	4,7381	0,9382	47	21,540899	17,111401	87	29,5079	26,4636	127	22,364799	22,024799	167	8,3049	21,615
8	4,7449	1,5393	48	21,7943	17,334801	88	29,382299	26,452999	128	22,1266	21,893	168	7,9548	21,8866
9	4,7904	2,1513	49	22,0453	17,559401	89	29,2582	26,4419	129	21,8855	21,7642	169	7,6215	22,1761
10	4,88	2,7589	50	22,2925	17,7812	90	29,1371	26,430901	130	21,642599	21,6364	170	7,3012	22,4807
11	5,0131	3,3602	51	22,539101	18,007401	91	29,013901	26,421499	131	21,3972	21,514601	171	6,9973	22,802
12	5,1886	3,9471	52	22,7819	18,233	92	28,891001	26,410101	132	21,148701	21,395901	172	6,7079	23,137699
13	5,4012	4,5223	53	23,0243	18,461399	93	28,768999	26,4007	133	20,9014	21,281799	173	6,4408	23,489
14	5,6579	5,0835	54	23,2644	18,6908	94	28,6443	26,3909	134	20,6465	21,1758	174	6,1867	23,8522
15	5,9514	5,6262	55	23,506901	18,921801	95	28,5215	26,3811	135	20,395201	21,0683	175	5,9528	24,23
16	6,2794	6,1448	56	23,747999	19,1544	96	28,3986	26,3694	136	20,137501	20,9662	176	5,7396	24,613899
17	6,6445	6,6364	57	23,987101	19,3901	97	28,274099	26,3596	137	19,882999	20,869699	177	5,5435	25,0116
18	7,0433	7,1048	58	24,2267	19,626301	98	28,1521	26,350401	138	19,6231	20,777201	178	5,3712	25,4174
19	7,4787	7,5462	59	24,4648	19,863199	99	28,028601	26,3386	139	19,361401	20,688801	179	5,217	25,8325
20	7,9444	7,9574	60	24,6978	20,100401	100	27,905001	26,329399	140	19,1003	20,605	180	5,0866	26,252701
21	8,4355	8,3286	61	24,932199	20,339001	101	27,7819	26,3186	141	18,838499	20,525801	181	4,9744	26,681
22	8,9477	8,6657	62	25,163401	20,5779	102	27,66	26,305401	142	18,575199	20,4515	182	4,886	27,1113
23	9,4822	8,9631	63	25,3934	20,8174	103	27,537201	26,294701	143	18,3113	20,380501	183	4,8188	27,5439
24	10,0295	9,242	64	25,6203	21,062	104	27,4151	26,286301	144	18,044701	20,3155	184	4,7734	27,98
25	10,5692	9,5266	65	25,848	21,306299	105	26,9314	25,907	145	17,5958	20,2185	185	4,0815	28,6007
26	11,1062	9,816	66	26,0755	21,555	106	26,7568	25,693899	146	17,1626	20,135599	186	2,602	28,6003
27	11,6409	10,1108	67	26,3018	21,8048	107	26,577499	25,486601	147	16,7248	20,0606	187	1,1222	28,599701
28	12,1738	10,4121	68	26,525801	22,055099	108	26,3971	25,278999	148	16,283899	20,0023	188	-0,0063	29,3925
29	12,7031	10,7176	69	26,747101	22,304199	109	26,2115	25,075899	149	15,8434	19,9545	189	-0,0108	30,3333
30	13,2268	11,0305	70	26,9669	22,5557	110	26,0236	24,8771	150	15,4064	19,9165	190	-0,011	31,331301
31	13,7471	11,3472	71	27,185101	22,8078	111	25,832899	24,6831	151	14,9645	19,890699			
32	14,2615	11,6694	72	27,403099	23,0611	112	25,638	24,489599	152	14,5247	19,8787			
33	14,7797	11,9997	73	27,616899	23,316099	113	25,4396	24,3006	153	14,0939	19,879499			
34	15,292	12,3335	74	27,8314	23,570601	114	25,2404	24,115299	154	13,6837	19,889099			
35	15,8006	12,6754	75	28,043699	23,828899	115	25,0357	23,9354	155	13,2456	19,900801			
36	16,3011	13,0213	76	28,256399	24,0872	116	24,83	23,754499	156	12,8075	19,9259			
37	16,8038	13,371	77	28,469299	24,3473	117	24,617399	23,5804	157	12,3659	19,9732			
38	17,2978	13,7253	78	28,679199	24,6099	118	24,4032	23,408199	158	11,9275	20,041901			
39	17,7911	14,0845	79	28,885799	24,8724	119	24,186899	23,238001	159	11,4959	20,134199			
40	18,2796	14,4471	80	29,091499	25,134501	120	23,9702	23,0746	160	11,0674	20,247			

VDI 39 / Step 3 / Sección B/ Después de la erosión / Z= -2,35 mm constante																	
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0092	-2,8655	40	13,3789	11,1194	79	24,344	19,7255	118	28,3321	26,1717	157	20,2383	21,007401	196	9,3832	20,960501
2	-0,0095	-1,8791	41	13,752	11,351	80	24,562	19,946199	119	28,222099	26,170601	158	19,9778	20,9067	197	9,1274	21,109501
3	-0,0089	-0,8806	42	14,127	11,5777	81	24,776501	20,167601	120	28,1127	26,1744	159	19,7162	20,811899	198	8,877	21,2619
4	0,8964	0,0244	43	14,4924	11,8173	82	24,993601	20,3895	121	28,002199	26,174299	160	19,4566	20,721399	199	8,622	21,4132
5	2,1604	0,0174	44	14,8624	12,0504	83	25,2078	20,6129	122	27,8932	26,1695	161	19,195	20,6366	200	8,379	21,5832
6	3,4254	0,028	45	15,2298	12,2925	84	25,425501	20,835501	123	27,783199	26,1635	162	18,9298	20,5541	201	8,1447	21,762501
7	4,7398	0,7016	46	15,5978	12,5381	85	25,636999	21,0641	124	27,673	26,159401	163	18,6661	20,4772	202	7,9128	21,948601
8	4,7385	1,1402	47	15,9598	12,7918	86	25,8466	21,2955	125	27,5644	26,145901	164	18,398899	20,4053	203	7,689	22,137899
9	4,7477	1,5665	48	16,3239	13,0376	87	26,0541	21,5284	126	27,455299	26,126101	165	18,131901	20,338301	204	7,4752	22,3384
10	4,7761	1,9796	49	16,687599	13,2845	88	26,268299	21,753599	127	26,874901	25,83	166	17,8634	20,2749	205	7,261	22,5443
11	4,8256	2,4058	50	17,047501	13,5335	89	26,476299	21,981501	128	26,678801	25,629999	167	17,590401	20,2194	206	7,0642	22,764099
12	4,8968	2,8384	51	17,402399	13,7975	90	26,678101	22,2155	129	26,489401	25,4293	168	17,3218	20,165899	207	6,8655	22,9825
13	4,9907	3,2685	52	17,7533	14,0524	91	26,882	22,446699	130	26,3195	25,212299	169	17,048599	20,119499	208	6,6803	23,210199
14	5,1097	3,6965	53	18,109501	14,3134	92	27,08	22,685699	131	26,1394	25,0023	170	16,775	20,0741	209	6,4979	23,442301
15	5,2523	4,1165	54	18,4622	14,5786	93	27,2887	22,916901	132	25,949699	24,8053	171	16,502899	20,0345	210	6,3296	23,683599
16	5,4076	4,526	55	18,8137	14,8442	94	27,468399	23,1728	133	25,757299	24,6091	172	16,2278	20,0028	211	6,1606	23,9247
17	5,5902	4,9294	56	19,155701	15,1229	95	27,6404	23,438101	134	25,557899	24,415899	173	15,9563	19,9699	212	6,0078	24,1749
18	5,7882	5,3241	57	19,248501	15,1866	96	27,8235	23,6901	135	25,3573	24,2274	174	15,6787	19,950199	213	5,8556	24,4277
19	6,0077	5,7094	58	19,491199	15,38	97	28,0056	23,945299	136	25,149799	24,0397	175	15,4014	19,9272	214	5,7174	24,692699
20	6,2474	6,0833	59	19,732	15,5761	98	28,183399	24,1992	137	24,9424	23,8542	176	15,1215	19,9111	215	5,5869	24,9573
21	6,5018	6,4437	60	19,9767	15,7664	99	28,3528	24,4594	138	24,730301	23,6768	177	14,7626	19,898899	216	5,4679	25,224501
22	6,7749	6,7906	61	20,212601	15,9667	100	28,5242	24,7166	139	24,5165	23,500099	178	14,4698	19,9002	217	5,3516	25,4977
23	7,0669	7,1231	62	20,451	16,163099	101	28,684401	24,9816	140	24,2992	23,3281	179	14,1775	19,8937	218	5,2449	25,7721
24	7,3721	7,4422	63	20,688999	16,3619	102	28,8508	25,2421	141	24,079599	23,157499	180	13,8822	19,898001	219	5,1514	26,0515
25	7,697	7,7447	64	20,9261	16,5618	103	29,032499	25,491199	142	23,861401	22,9953	181	13,5892	19,9109	220	5,0662	26,3321
26	8,0403	8,0321	65	21,1623	16,764299	104	29,2115	25,7442	143	23,634899	22,8363	182	13,3088	19,915701	221	4,9905	26,6147
27	8,3974	8,3021	66	21,4	16,9657	105	29,3895	25,9991	144	23,408701	22,6812	183	13,0358	19,9251	222	4,9272	26,9048
28	8,7643	8,5491	67	21,628599	17,1793	106	29,498501	26,3043	145	23,1796	22,524799	184	12,76	19,950701	223	4,8723	27,1943
29	9,143	8,7784	68	21,8592	17,385099	107	29,540001	26,163799	146	22,946301	22,3766	185	12,4634	19,978701	224	4,8271	27,4855
30	9,5337	8,9888	69	22,0917	17,5895	108	29,424	26,2026	147	22,711399	22,233299	186	12,1706	20,0201	225	4,7927	27,7792
31	9,9256	9,1858	70	22,3167	17,8043	109	29,3125	26,2153	148	22,4767	22,0933	187	11,8799	20,0734	226	4,7661	28,071899
32	10,3148	9,3901	71	22,5502	18,007401	110	29,204901	26,2071	149	22,238199	21,955601	188	11,5906	20,1432	227	3,7426	28,6017
33	10,7013	9,5971	72	22,7799	18,218201	111	29,096201	26,191601	150	21,995501	21,8241	189	11,2974	20,204901	228	2,5176	28,601101
34	11,0895	9,8075	73	23,004801	18,433399	112	28,9877	26,1754	151	21,748501	21,6943	190	11,0146	20,2911	229	1,2882	28,6
35	11,4726	10,0178	74	23,2304	18,647301	113	28,8766	26,1759	152	21,5007	21,5665	191	10,7308	20,374001	230	-0,0072	29,6532
36	11,8552	10,2305	75	23,456301	18,8592	114	28,766399	26,179399	153	21,256599	21,447901	192	10,4531	20,471001	231	-0,0091	30,533701
37	12,2387	10,4502	76	23,683701	19,0704	115	28,6574	26,183001	154	21,0037	21,328699	193	10,1803	20,582701	232	-0,0098	31,425301
38	12,6205	10,6678	77	23,9023	19,2915	116	28,547899	26,1828	155	20,7493	21,217899	194	9,9077	20,697599			
39	12,9996	10,8912	78	24,124399	19,509899	117	28,438999	26,1754	156	20,496099	21,1122	195	9,6427	20,823601			

<i>VDI 39 / Step 3 / Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0002	-2,9961	41	17,7397	14,0256	81	28,809299	24,7479	121	23,989799	23,069401	161	11,4137	20,1443	
2	0,0012	-2,1263	42	18,203501	14,3697	82	29,031799	25,0341	122	23,753901	22,896999	162	11,0324	20,2491	
3	0,0014	-1,2036	43	18,665701	14,7201	83	29,253599	25,3207	123	23,511801	22,728701	163	10,6605	20,3699	
4	0,923	0,0141	44	19,1245	15,0781	84	29,4744	25,609699	124	23,2687	22,5637	164	10,2905	20,5072	
5	2,1484	0,0135	45	19,579399	15,4371	85	29,6922	25,898899	125	23,020901	22,403299	165	9,9252	20,6618	
6	3,3879	0,0162	46	20,0298	15,8005	86	29,909599	26,190701	126	22,7724	22,250401	166	9,5696	20,8305	
7	4,7497	0,7081	47	20,196199	15,9371	87	30,0247	26,4834	127	22,5208	22,099199	167	9,2238	21,0152	
8	4,7513	1,283	48	20,475	16,1712	88	29,878901	26,476299	128	22,267	21,9508	168	8,8862	21,2171	
9	4,777	1,8571	49	20,7502	16,4032	89	29,7376	26,469601	129	22,009399	21,811701	169	8,5571	21,433901	
10	4,8428	2,4321	50	21,024401	16,639	90	29,5966	26,459101	130	21,7493	21,6747	170	8,2362	21,662701	
11	4,9448	3,005	51	21,299601	16,8776	91	29,4545	26,448	131	21,484301	21,5404	171	7,9303	21,9051	
12	5,0865	3,5685	52	21,574499	17,118099	92	29,313299	26,4359	132	21,2206	21,4119	172	7,6332	22,1623	
13	5,2646	4,1212	53	21,849199	17,3605	93	29,171801	26,424101	133	20,953501	21,290501	173	7,3505	22,4335	
14	5,4796	4,6602	54	22,1199	17,6022	94	29,0291	26,410999	134	20,682699	21,1714	174	7,0758	22,7174	
15	5,7281	5,1864	55	22,388201	17,845699	95	28,889299	26,3993	135	20,4104	21,0588	175	6,8171	23,012899	
16	6,0126	5,6964	56	22,6525	18,0931	96	28,747801	26,3878	136	20,1357	20,949499	176	6,5713	23,3176	
17	6,3271	6,1848	57	22,918301	18,3398	97	28,6049	26,3755	137	19,8606	20,845699	177	6,338	23,632401	
18	6,6752	6,6472	58	23,1805	18,588301	98	28,460899	26,3624	138	19,5839	20,749701	178	6,1204	23,962	
19	7,0537	7,0907	59	23,444099	18,8374	99	28,317801	26,3505	139	19,302601	20,6546	179	5,9173	24,299801	
20	7,4637	7,5083	60	23,703899	19,0877	100	28,1761	26,337799	140	19,022699	20,565599	180	5,7307	24,6418	
21	7,9009	7,8969	61	23,9669	19,343201	101	28,034	26,327299	141	18,7404	20,481501	181	5,5574	24,993999	
22	8,3605	8,2553	62	24,224199	19,6017	102	27,8904	26,316099	142	18,456699	20,405399	182	5,4038	25,3552	
23	8,8442	8,5806	63	24,4839	19,856701	103	27,748899	26,3032	143	18,172001	20,332701	183	5,2637	25,7209	
24	9,3465	8,8724	64	24,7362	20,115801	104	27,6084	26,2887	144	17,888201	20,2649	184	5,1414	26,0937	
25	9,8621	9,1361	65	24,9902	20,375099	105	27,4666	26,2794	145	17,600901	20,205	185	5,0354	26,471701	
26	10,3794	9,4059	66	25,2425	20,633499	106	27,3251	26,2647	146	17,3125	20,148899	186	4,9465	26,851	
27	10,8879	9,6791	67	25,4893	20,896601	107	26,9576	25,912701	147	16,8466	20,0672	187	4,0005	28,5875	
28	11,3974	9,9569	68	25,7369	21,1607	108	26,770599	25,6835	148	16,458401	20,0093	188	2,7053	28,587	
29	11,9046	10,2404	69	25,9849	21,4279	109	26,5762	25,462099	149	16,064699	19,962601	189	1,413	28,587601	
30	12,4074	10,5307	70	26,23	21,701	110	26,3829	25,238501	150	15,6739	19,926701	190	0,0052	29,4734	
31	12,9079	10,8199	71	26,4757	21,9706	111	26,1828	25,022301	151	15,2827	19,896299	191	0,0011	30,3736	
32	13,4045	11,1194	72	26,715	22,242001	112	25,980101	24,809601	152	14,8906	19,8757	192	0,0019	31,3284	
33	13,8979	11,4213	73	26,953699	22,5145	113	25,7763	24,6	153	14,503	19,868401				
34	14,3873	11,7308	74	27,191999	22,7875	114	25,563801	24,395599	154	14,1202	19,866301				
35	14,8777	12,0454	75	27,4266	23,063601	115	25,3503	24,194	155	13,7492	19,876101				
36	15,3666	12,3636	76	27,66	23,341	116	25,1327	23,9993	156	13,3688	19,8874				
37	15,8481	12,689	77	27,893	23,6178	117	24,9132	23,8043	157	12,9747	19,9032				
38	16,3245	13,017	78	28,1238	23,896601	118	24,687099	23,6152	158	12,5805	19,9375				
39	16,7993	13,3454	79	28,3549	24,180799	119	24,4589	23,428801	159	12,1867	19,9897				
40	17,27	13,6843	80	28,5826	24,4639	120	24,227301	23,246901	160	11,7975	20,059299				



VDI 39 / Step 3 / Sección C/ Después de la erosión / Z= -1,15 mm constante																	
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0037	-2,5599	40	14,2381	11,6346	79	24,875299	20,251499	118	28,4272	26,1604	157	21,194799	21,402399	196	10,4012	20,4856
2	0,0035	-1,839	41	14,6352	11,8814	80	25,067699	20,4424	119	28,3109	26,1576	158	20,9792	21,302299	197	10,1011	20,620399
3	0,0037	-1,1202	42	15,0266	12,1436	81	25,2535	20,639299	120	28,196699	26,1562	159	20,7609	21,205799	198	9,8023	20,7498
4	0,9134	0,0136	43	15,4249	12,4033	82	25,441601	20,832399	121	28,080999	26,156799	160	20,540001	21,1134	199	9,5076	20,895201
5	2,0201	0,0155	44	15,817	12,6698	83	25,622999	21,035299	122	27,9641	26,1546	161	20,319401	21,0229	200	9,2176	21,046499
6	3,1242	0,0168	45	16,2071	12,9377	84	25,808201	21,2342	123	27,848301	26,1523	162	20,094801	20,934999	201	8,9366	21,2148
7	4,752	0,6536	46	16,594999	13,2068	85	25,9984	21,4284	124	27,730499	26,151899	163	19,8696	20,849899	202	8,6595	21,394699
8	4,7508	1,1256	47	16,984301	13,4723	86	26,180099	21,6292	125	27,615101	26,139299	164	19,643101	20,770599	203	8,3836	21,575001
9	4,7627	1,5899	48	17,3634	13,7467	87	26,356899	21,833099	126	27,499001	26,128401	165	19,4167	20,6922	204	8,1266	21,780199
10	4,7939	2,0225	49	17,746901	14,0199	88	26,5378	22,0331	127	26,818501	25,751699	166	19,189301	20,6203	205	7,8749	21,9872
11	4,8516	2,4845	50	18,118601	14,3134	89	26,719601	22,231501	128	26,6577	25,569401	167	18,9631	20,5494	206	7,6248	22,198299
12	4,9333	2,948	51	18,502701	14,5941	90	26,893801	22,436701	129	26,5005	25,3899	168	18,7348	20,481199	207	7,3924	22,429199
13	5,043	3,4079	52	18,8748	14,8836	91	27,071301	22,640499	130	26,349501	25,2055	169	18,504999	20,4191	208	7,1576	22,6584
14	5,1802	3,8619	53	19,247601	15,1751	92	27,2458	22,849899	131	26,188	25,031099	170	18,2728	20,3587	209	6,9388	22,902599
15	5,3381	4,3082	54	19,6196	15,4652	93	27,4172	23,059799	132	26,0257	24,8573	171	18,041	20,3025	210	6,7305	23,1553
16	5,5206	4,7418	55	19,985701	15,7608	94	27,5798	23,2775	133	25,858	24,688	172	17,8081	20,2491	211	6,5225	23,409599
17	5,7256	5,1687	56	20,344999	16,063601	95	27,732	23,503401	134	25,689899	24,521299	173	17,5742	20,2006	212	6,3361	23,676399
18	5,9545	5,5828	57	20,5159	16,202101	96	27,903999	23,7159	135	25,5172	24,3538	174	17,340099	20,156	213	6,1477	23,944901
19	6,202	5,9887	58	20,721399	16,3799	97	28,0651	23,935699	136	25,3428	24,1903	175	17,104799	20,115601	214	5,9804	24,225599
20	6,4751	6,3737	59	20,927	16,5539	98	28,219601	24,158199	137	25,1654	24,0308	176	16,868	20,0788	215	5,8208	24,510799
21	6,7633	6,7477	60	21,1336	16,7311	99	28,3636	24,3885	138	24,986601	23,8699	177	16,514299	20,030001	216	5,6663	24,803499
22	7,0707	7,1062	61	21,3402	16,906799	100	28,514601	24,613001	139	24,803699	23,7148	178	16,191099	19,9886	217	5,5256	25,098101
23	7,3998	7,4476	62	21,545401	17,087	101	28,6492	24,8507	140	24,616501	23,561001	179	15,8654	19,9582	218	5,3959	25,3967
24	7,7504	7,7684	63	21,751101	17,260401	102	28,7964	25,0762	141	24,431	23,410299	180	15,5365	19,921801	219	5,2799	25,703899
25	8,1181	8,0722	64	21,947001	17,446699	103	28,9347	25,307301	142	24,2437	23,2619	181	15,2065	19,9046	220	5,171	26,012699
26	8,501	8,3549	65	22,1532	17,6206	104	29,0762	25,538401	143	24,053499	23,116199	182	14,8755	19,8904	221	5,0767	26,3251
27	8,897	8,6154	66	22,3494	17,807199	105	29,212	25,774099	144	23,8634	22,9767	183	14,5482	19,8778	222	5,0037	26,6434
28	9,3088	8,8526	67	22,546801	17,9914	106	29,325199	26,0266	145	23,669399	22,839199	184	14,2238	19,884501	223	4,9259	26,958599
29	9,7285	9,0678	68	22,743799	18,176201	107	29,746799	25,7402	146	23,4736	22,705	185	13,8978	19,882401	224	4,8687	27,2815
30	10,1454	9,2847	69	22,938499	18,365299	108	29,611601	25,929399	147	23,2775	22,5711	186	13,5706	19,893801	225	4,8233	27,6057
31	10,5623	9,5043	70	23,142099	18,545099	109	29,484501	26,027399	148	23,0772	22,4389	187	13,2662	19,908701	226	4,7888	27,930401
32	10,979	9,7278	71	23,3444	18,724001	110	29,3633	26,081301	149	22,873899	22,312401	188	12,9633	19,922001	227	3,2701	28,590799
33	11,3925	9,955	72	23,539301	18,9109	111	29,2444	26,115	150	22,6702	22,1898	189	12,6359	19,949499	228	2,3747	28,590401
34	11,8035	10,1824	73	23,731199	19,1017	112	29,129101	26,124599	151	22,4643	22,067699	190	12,3103	19,9893	229	1,4728	28,587299
35	12,2158	10,4144	74	23,923201	19,2967	113	29,0133	26,119101	152	22,258301	21,948799	191	11,9875	20,042101	230	0,015	29,615
36	12,6248	10,6549	75	24,1166	19,4858	114	28,8943	26,130199	153	22,049101	21,834299	192	11,6606	20,111	231	0,0008	30,459
37	13,0326	10,8937	76	24,312401	19,669201	115	28,777	26,1462	154	21,8349	21,723101	193	11,3399	20,1875	232	0,0008	31,309601
38	13,4376	11,1387	77	24,499001	19,865801	116	28,6588	26,1541	155	21,625999	21,6127	194	11,0233	20,273399			
39	13,8397	11,3827	78	24,686001	20,058399	117	28,545	26,160999	156	21,4107	21,5054	195	10,7093	20,373301			

<i>VDI 39 / Step 4/ Sección A/ Antes de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0564	-2,8965	41	17,535801	13,9599	81	29,317101	25,5618	121	24,3374	23,447399	161	11,8142	20,1063	
2	-0,0557	-2,1043	42	17,9869	14,2956	82	29,548901	25,870001	122	24,164301	23,3111	162	11,3327	20,214701	
3	-0,0548	-1,2907	43	18,437099	14,6381	83	29,7806	26,178301	123	23,989401	23,1793	163	10,8566	20,3487	
4	1,2344	0,0446	44	18,8811	14,9832	84	30,007401	26,4886	124	23,8137	23,049	164	10,3871	20,5091	
5	2,1597	0,0477	45	19,327299	15,3344	85	29,8148	26,555201	125	23,6348	22,920099	165	9,928	20,6973	
6	3,0893	0,0482	46	19,774599	15,6935	86	29,4286	26,523399	126	23,455	22,795099	166	9,4792	20,912399	
7	4,7038	0,9574	47	20,2292	16,067301	87	29,247299	26,507601	127	23,2719	22,671801	167	9,044	21,149099	
8	4,7122	1,4898	48	20,525	16,3144	88	29,145201	26,497999	128	23,0924	22,5515	168	8,6225	21,410601	
9	4,7468	2,0513	49	20,819	16,5632	89	29,041201	26,490499	129	22,9098	22,4342	169	8,2139	21,6971	
10	4,8197	2,6118	50	21,110399	16,812401	90	28,936899	26,4809	130	22,722	22,315701	170	7,8232	22,007799	
11	4,9316	3,1752	51	21,403	17,066999	91	28,8332	26,4727	131	22,5347	22,2026	171	7,4535	22,342199	
12	5,0789	3,7305	52	21,694401	17,3239	92	28,7288	26,4643	132	22,3417	22,095501	172	7,1034	22,6943	
13	5,261	4,2739	53	21,9835	17,583799	93	28,626499	26,455601	133	22,153799	21,984301	173	6,7736	23,062799	
14	5,4803	4,8038	54	22,2738	17,847	94	28,5215	26,447001	134	21,959801	21,878201	174	6,4648	23,4508	
15	5,7336	5,3184	55	22,5613	18,108999	95	28,4182	26,436199	135	21,7659	21,7743	175	6,1775	23,8554	
16	6,0188	5,8166	56	22,8449	18,374001	96	28,312901	26,4282	136	21,568199	21,6737	176	5,9113	24,2784	
17	6,3354	6,2946	57	23,1264	18,637699	97	28,2083	26,4186	137	21,371201	21,575199	177	5,6717	24,714701	
18	6,6846	6,7492	58	23,4053	18,9051	98	28,104401	26,41	138	21,172199	21,479601	178	5,455	25,1639	
19	7,06	7,1796	59	23,682699	19,172701	99	28,000299	26,4009	139	20,9716	21,387199	179	5,2682	25,6262	
20	7,4662	7,5863	60	23,9585	19,447201	100	27,8955	26,393499	140	20,7689	21,2985	180	5,1039	26,0973	
21	7,9012	7,9681	61	24,233	19,7194	101	27,7908	26,383499	141	20,569099	21,210199	181	4,9657	26,583099	
22	8,3606	8,3206	62	24,505301	19,9956	102	27,686501	26,3759	142	20,3661	21,125999	182	4,8587	27,063101	
23	8,8401	8,6397	63	24,775499	20,274099	103	27,5837	26,3668	143	20,1618	21,045601	183	4,7804	27,553101	
24	9,3335	8,9242	64	25,044001	20,554701	104	27,479799	26,357599	144	19,957899	20,9678	184	4,7287	28,042	
25	9,8397	9,1837	65	25,308901	20,8337	105	26,8386	25,9105	145	19,588301	20,8314	185	3,5622	28,6527	
26	10,3428	9,4462	66	25,572701	21,1145	106	26,698	25,741699	146	19,1199	20,677099	186	2,4387	28,649401	
27	10,8428	9,7138	67	25,8356	21,3985	107	26,5557	25,5755	147	18,6429	20,5375	187	1,3104	28,650101	
28	11,339	9,9893	68	26,0963	21,685101	108	26,4118	25,4102	148	18,1642	20,4062	188	-0,0539	29,8137	
29	11,8284	10,2627	69	26,356899	21,972799	109	26,266199	25,246099	149	17,681601	20,295799	189	-0,0572	30,4184	
30	12,3206	10,545	70	26,6143	22,264099	110	26,115801	25,0851	150	17,198099	20,1992	190	-0,0601	31,029301	
31	12,8116	10,8351	71	26,870899	22,558201	111	25,965	24,924101	151	16,707001	20,116301				
32	13,298	11,1253	72	27,125401	22,851	112	25,8116	24,7654	152	16,2131	20,0483				
33	13,78	11,4217	73	27,3762	23,143999	113	25,6518	24,607599	153	15,7251	19,996901				
34	14,2583	11,7223	74	27,6243	23,439301	114	25,493401	24,4541	154	15,2322	19,9597				
35	14,7348	12,0271	75	27,871901	23,7384	115	25,3351	24,3002	155	14,7372	19,939301				
36	15,2082	12,3368	76	28,118299	24,0373	116	25,1707	24,1527	156	14,2559	19,9307				
37	15,6806	12,6507	77	28,361601	24,339701	117	25,007401	24,0068	157	13,7883	19,935301				
38	16,1456	12,9707	78	28,603201	24,644199	118	24,844299	23,863001	158	13,2949	19,949301				
39	16,6144	13,297	79	28,8452	24,9492	119	24,677601	23,7237	159	12,8002	19,9729				
40	17,0791	13,6261	80	29,083599	25,255501	120	24,507	23,583	160	12,3031	20,024401				

<i>VDI 39 / Step 4/ Sección A/ Después de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0482	-2,8891	41	17,5427	13,9473	81	29,1367	25,6998	121	24,317801	23,474199	161	11,818	20,132401	
2	-0,0535	-2,0833	42	17,9916	14,289	82	29,420601	25,9683	122	24,1511	23,331699	162	11,3345	20,2358	
3	-0,0528	-1,2788	43	18,446301	14,6259	83	29,6406	26,2868	123	23,9806	23,191299	163	10,8612	20,3776	
4	1,2485	0,0461	44	18,8887	14,9779	84	29,724199	26,6996	124	23,806	23,059299	164	10,397	20,5462	
5	2,174	0,049	45	19,336201	15,3316	85	29,837601	26,3608	125	23,6257	22,9377	165	9,934	20,7187	
6	3,1003	0,0497	46	19,783001	15,6823	86	29,446501	26,375099	126	23,4534	22,8016	166	9,4915	20,934401	
7	4,7059	0,9671	47	20,237	16,0527	87	29,2672	26,3554	127	23,271799	22,677799	167	9,054	21,166599	
8	4,7128	1,5002	48	20,5502	16,2794	88	29,1644	26,3354	128	23,090599	22,560699	168	8,6379	21,433001	
9	4,7487	2,0481	49	20,8251	16,551201	89	29,0611	26,3232	129	22,904499	22,4426	169	8,2326	21,717699	
10	4,8238	2,6132	50	21,1264	16,794901	90	28,9569	26,3078	130	22,715599	22,3305	170	7,8395	22,020901	
11	4,9366	3,1769	51	21,4247	17,040001	91	28,853399	26,2906	131	22,5261	22,222	171	7,4824	22,3673	
12	5,0959	3,7271	52	21,7087	17,3053	92	28,7509	26,2729	132	22,3386	22,1045	172	7,1209	22,709	
13	5,2767	4,2693	53	21,995399	17,571899	93	28,6469	26,248301	133	22,144199	21,998501	173	6,7939	23,0791	
14	5,4967	4,795	54	22,281799	17,8396	94	28,5424	26,239901	134	21,9541	21,889799	174	6,4845	23,4645	
15	5,7465	5,3107	55	22,568199	18,099199	95	28,436199	26,2505	135	21,758699	21,7901	175	6,2229	23,885799	
16	6,0328	5,8102	56	22,849199	18,365299	96	28,331301	26,2453	136	21,5639	21,6898	176	5,928	24,2896	
17	6,3602	6,2784	57	23,128201	18,6311	97	28,225901	26,2437	137	21,3689	21,586201	177	5,6829	24,719999	
18	6,6992	6,7353	58	23,406099	18,899099	98	28,120899	26,2519	138	21,172899	21,488501	178	5,4703	25,1693	
19	7,0761	7,1648	59	23,6845	19,168501	99	28,016899	26,2523	139	20,9739	21,3979	179	5,2904	25,6299	
20	7,48	7,5751	60	23,9608	19,441	100	27,9126	26,2416	140	20,771799	21,309799	180	5,1156	26,0987	
21	7,9116	7,9586	61	24,230499	19,715599	101	27,808599	26,2402	141	20,570999	21,221001	181	4,9764	26,5765	
22	8,3687	8,3121	62	24,506201	19,992399	102	27,7024	26,2344	142	20,369699	21,134199	182	4,8637	27,0613	
23	8,8453	8,6281	63	24,773701	20,2717	103	27,5979	26,24	143	20,165199	21,055599	183	4,7836	27,552	
24	9,3427	8,9112	64	25,0459	20,549299	104	27,4937	26,2248	144	19,9597	20,9776	184	4,7301	28,0448	
25	9,8462	9,1711	65	25,313	20,829201	105	26,8197	25,924299	145	19,589701	20,8389	185	3,5502	28,653	
26	10,3495	9,4342	66	25,5772	21,110701	106	26,6758	25,7577	146	19,117001	20,687401	186	2,4278	28,649599	
27	10,8461	9,703	67	25,837601	21,396	107	26,531799	25,592899	147	18,645901	20,5455	187	1,3051	28,6507	
28	11,3437	9,9746	68	26,105301	21,6754	108	26,398399	25,4189	148	18,167	20,4184	188	-0,0514	29,824699	
29	11,8361	10,247	69	26,355101	21,9729	109	26,2397	25,2682	149	17,685699	20,308399	189	-0,0553	30,433001	
30	12,3284	10,535	70	26,6238	22,259001	110	26,0774	25,121401	150	17,1991	20,220699	190	-0,0583	31,039301	
31	12,8207	10,8156	71	26,875299	22,556299	111	25,928301	24,9603	151	16,713499	20,1287				
32	13,3019	11,1193	72	27,1234	22,852501	112	25,798599	24,7826	152	16,2215	20,057699				
33	13,784	11,4154	73	27,3619	23,1562	113	25,652201	24,6145	153	15,7312	20,002199				
34	14,2608	11,7235	74	27,6001	23,461599	114	25,4841	24,472401	154	15,2369	19,9736				
35	14,7419	12,0159	75	27,8314	23,773399	115	25,322001	24,3237	155	14,7443	19,958799				
36	15,2102	12,3408	76	28,0543	24,0917	116	25,1677	24,166599	156	14,2485	19,9445				
37	15,7027	12,6182	77	28,2591	24,4249	117	25,0002	24,025499	157	13,7782	19,9555				
38	16,1537	12,9677	78	28,458	24,7652	118	24,825899	23,8932	158	13,2949	19,9706				
39	16,6178	13,2902	79	28,6738	25,0861	119	24,656099	23,754801	159	12,8014	19,997101				
40	17,084801	13,6136	80	28,8943	25,401501	120	24,484501	23,6185	160	12,3075	20,045				

<i>VDI 39 / Step 4/ Sección B/ Antes de la erosión / Z= -2,35 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0309	-2,8096	41	18,7377	14,8271	81	29,254801	25,4189	121	23,7117	22,9319	161	10,6442	20,403999	
2	-0,0284	-1,864	42	19,2167	15,2038	82	29,455999	25,6828	122	23,4884	22,7761	162	10,2287	20,5576	
3	-0,0262	-0,8869	43	19,6992	15,5881	83	29,656	25,950199	123	23,262199	22,6252	163	9,8243	20,731701	
4	1,1123	0,022	44	20,1721	15,976	84	29,8545	26,216299	124	23,034201	22,4748	164	9,4273	20,929001	
5	2,2645	0,0249	45	20,638399	16,364799	85	30,0499	26,486	125	22,8057	22,3284	165	9,0453	21,142099	
6	3,4199	0,0269	46	21,1005	16,756399	86	29,8547	26,532101	126	22,571301	22,187099	166	8,6704	21,375	
7	4,7309	0,9609	47	21,513201	17,118401	87	29,490101	26,503099	127	22,3351	22,047899	167	8,306	21,626801	
8	4,7393	1,5359	48	21,7637	17,3398	88	29,365999	26,4923	128	22,0977	21,914801	168	7,956	21,8978	
9	4,785	2,1435	49	22,0128	17,5648	89	29,242701	26,480301	129	21,857201	21,783199	169	7,6213	22,1877	
10	4,8727	2,7458	50	22,2635	17,790501	90	29,120199	26,470301	130	21,613199	21,659	170	7,302	22,492599	
11	5,0044	3,3503	51	22,512899	18,0179	91	28,999001	26,461	131	21,368099	21,5364	171	7,0006	22,8113	
12	5,1782	3,938	52	22,759199	18,2467	92	28,875099	26,450899	132	21,1175	21,419201	172	6,7132	23,1448	
13	5,3932	4,5165	53	23,0021	18,473	93	28,753401	26,4412	133	20,8678	21,304501	173	6,4437	23,490999	
14	5,6459	5,0759	54	23,243601	18,701599	94	28,631701	26,430799	134	20,617399	21,196899	174	6,1917	23,853001	
15	5,9367	5,6184	55	23,483299	18,931801	95	28,506701	26,4202	135	20,365299	21,0902	175	5,956	24,225901	
16	6,269	6,1369	56	23,723301	19,1639	96	28,385401	26,410601	136	20,113001	20,993299	176	5,7398	24,6117	
17	6,6318	6,6308	57	23,9604	19,3993	97	28,261499	26,398399	137	19,857201	20,8957	177	5,5428	25,007299	
18	7,0304	7,0967	58	24,197599	19,6334	98	28,1378	26,388599	138	19,6001	20,802299	178	5,3672	25,414301	
19	7,4642	7,5381	59	24,433901	19,8713	99	28,0151	26,3776	139	19,3395	20,716299	179	5,2136	25,8276	
20	7,9274	7,9462	60	24,666901	20,1105	100	27,891701	26,368	140	19,078899	20,6336	180	5,0792	26,2477	
21	8,4203	8,3218	61	24,8981	20,3521	101	27,7682	26,357599	141	18,816799	20,554001	181	4,9639	26,679899	
22	8,9349	8,6609	62	25,1306	20,5921	102	27,6467	26,3473	142	18,5529	20,4811	182	4,8743	27,104099	
23	9,4703	8,9609	63	25,3596	20,832899	103	27,5235	26,335899	143	18,290701	20,4112	183	4,8065	27,5359	
24	10,0145	9,2395	64	25,587601	21,0762	104	27,399599	26,326099	144	18,023899	20,344801	184	4,7594	27,974199	
25	10,5556	9,525	65	25,813299	21,319099	105	26,8911	25,9198	145	17,572901	20,243601	185	4,0778	28,6283	
26	11,0911	9,8148	66	26,038099	21,568001	106	26,716999	25,709299	146	17,141199	20,1604	186	2,6061	28,625299	
27	11,6239	10,1089	67	26,2619	21,816299	107	26,541401	25,502199	147	16,7031	20,0882	187	1,1223	28,6269	
28	12,1541	10,411	68	26,484301	22,064301	108	26,3594	25,2971	148	16,2645	20,0294	188	-0,0248	29,3699	
29	12,6841	10,7196	69	26,707899	22,316601	109	26,174299	25,0958	149	15,8268	19,9811	189	-0,0285	30,3368	
30	13,2093	11,0339	70	26,929501	22,570999	110	25,9863	24,895201	150	15,3912	19,9457	190	-0,0338	31,337999	
31	13,7292	11,3513	71	27,1499	22,823099	111	25,7934	24,6989	151	14,9567	19,9214	191			
32	14,2451	11,6745	72	27,3661	23,075701	112	25,597601	24,5042	152	14,5179	19,910101	192			
33	14,7603	12,0036	73	27,579901	23,330601	113	25,399799	24,3118	153	14,1012	19,906799	193			
34	15,2704	12,3376	74	27,7931	23,5858	114	25,198099	24,126499	154	13,6773	19,919001	194			
35	15,7785	12,6752	75	28,0063	23,8445	115	24,9925	23,945601	155	13,2383	19,9305	195			
36	16,2785	13,0204	76	28,2181	24,102699	116	24,788401	23,7686	156	12,7977	19,951599	196			
37	16,7806	13,3728	77	28,428301	24,364	117	24,5772	23,595301	157	12,356	19,9988	197			
38	17,2778	13,7295	78	28,6366	24,6273	118	24,365499	23,424999	158	11,9194	20,0679	198			
39	17,7695	14,0902	79	28,844101	24,8883	119	24,1507	23,256599	159	11,4906	20,160601	199			
40	18,255301	14,4563	80	29,0534	25,1541	120	23,933001	23,0921	160	11,0633	20,2721	200			

VDI 39 / Step 4/ Sección B/ Después de la erosión / Z= -2,35 mm constante																	
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0275	-2,887	40	13,3743	11,1219	79	24,3172	19,7442	118	28,3438	26,2085	157	20,2362	21,0467	196	9,3992	20,9692
2	-0,0258	-1,9044	41	13,7471	11,3542	80	24,5371	19,963699	119	28,2332	26,210899	158	19,9769	20,950199	197	9,1395	21,107201
3	-0,0236	-0,9039	42	14,1147	11,5942	81	24,7616	20,177299	120	28,124701	26,210699	159	19,721399	20,8507	198	8,8911	21,2617
4	0,8808	0,0226	43	14,4882	11,8247	82	24,9645	20,4126	121	28,0149	26,211901	160	19,4597	20,762501	199	8,6446	21,4202
5	2,1422	0,0237	44	14,8512	12,0688	83	25,1842	20,632299	122	27,9025	26,220699	161	19,1973	20,670799	200	8,3984	21,5846
6	3,4074	0,0275	45	15,2253	12,3025	84	25,389601	20,8634	123	27,794201	26,212099	162	18,932899	20,5961	201	8,1624	21,7631
7	4,7312	0,6804	46	15,5861	12,5546	85	25,596901	21,0919	124	27,6842	26,203501	163	18,6674	20,520901	202	7,9286	21,9445
8	4,7334	1,124	47	15,951	12,7988	86	25,814501	21,3127	125	27,575001	26,2017	164	18,4025	20,4489	203	7,7121	22,1455
9	4,7416	1,5269	48	16,319201	13,0387	87	26,016701	21,547001	126	27,4659	26,192499	165	18,136499	20,3829	204	7,4939	22,3416
10	4,7683	1,9509	49	16,685301	13,2827	88	26,2253	21,7761	127	26,8323	25,8645	166	17,868999	20,3139	205	7,2741	22,5404
11	4,8174	2,387	50	17,034	13,5503	89	26,433901	22,007299	128	26,648899	25,6576	167	17,6019	20,2598	206	7,0782	22,7575
12	4,8902	2,8252	51	17,407	13,7912	90	26,6425	22,242599	129	26,471001	25,449499	168	17,33	20,2057	207	6,8855	22,9818
13	4,9865	3,2594	52	17,743999	14,0662	91	26,8463	22,479401	130	26,291	25,241899	169	17,059099	20,1595	208	6,6964	23,2029
14	5,1095	3,6832	53	18,095301	14,3282	92	27,0459	22,717699	131	26,0893	25,056999	170	16,7871	20,1082	209	6,5178	23,4382
15	5,2479	4,1034	54	18,450001	14,586	93	27,249599	22,9487	132	25,9083	24,848499	171	16,5133	20,0728	210	6,3386	23,6707
16	5,4126	4,5129	55	18,791201	14,8591	94	27,4457	23,1877	133	25,709999	24,6609	172	16,238701	20,040001	211	6,1792	23,9168
17	5,5865	4,9199	56	19,1521	15,113	95	27,6388	23,429701	134	25,514601	24,4618	173	15,9627	20,007401	212	6,0187	24,1668
18	5,7874	5,3151	57	19,2349	15,1944	96	27,817301	23,684799	135	25,303301	24,284	174	15,69	19,98	213	5,8656	24,4193
19	6,0016	5,7049	58	19,4835	15,3841	97	27,9802	23,9527	136	25,108601	24,091999	175	15,4181	19,9536	214	5,7225	24,6772
20	6,2535	6,0698	59	19,7152	15,5909	98	28,151899	24,211901	137	24,8946	23,9181	176	15,1451	19,945299	215	5,5937	24,9422
21	6,5046	6,4329	60	19,9575	15,7868	99	28,3239	24,4743	138	24,691	23,7323	177	14,7852	19,927999	216	5,4726	25,2104
22	6,7836	6,7751	61	20,192499	15,9893	100	28,499001	24,7342	139	24,4881	23,544901	178	14,4928	19,919701	217	5,3566	25,479099
23	7,07	7,112	62	20,434	16,180099	101	28,669001	24,993601	140	24,2679	23,380699	179	14,1989	19,919901	218	5,2476	25,755301
24	7,3805	7,4266	63	20,6719	16,3762	102	28,836	25,253401	141	24,060301	23,2022	180	13,918	19,923599	219	5,1538	26,038401
25	7,7019	7,7363	64	20,9088	16,575899	103	29,013599	25,5044	142	23,8379	23,039101	181	13,6413	19,932501	220	5,0677	26,3195
26	8,0449	8,0243	65	21,137899	16,7847	104	29,189199	25,757999	143	23,6178	22,875401	182	13,3491	19,9503	221	4,9896	26,603901
27	8,4025	8,2918	66	21,383101	16,974899	105	29,3678	26,010599	144	23,390699	22,719801	183	13,0556	19,958401	222	4,9194	26,892401
28	8,7698	8,5402	67	21,6054	17,191	106	29,4687	26,316099	145	23,162701	22,569401	184	12,7608	19,971399	223	4,8626	27,1807
29	9,1499	8,7663	68	21,8384	17,395399	107	29,556499	26,2076	146	22,9305	22,423401	185	12,4685	20,0082	224	4,817	27,472799
30	9,5365	8,9805	69	22,0728	17,607599	108	29,4431	26,2304	147	22,7027	22,2675	186	12,1759	20,044001	225	4,78	27,765301
31	9,9295	9,1765	70	22,3039	17,8174	109	29,3323	26,247	148	22,4638	22,130301	187	11,8872	20,103701	226	4,7521	28,0655
32	10,3161	9,3831	71	22,5331	18,027399	110	29,2215	26,259399	149	22,221701	21,994801	188	11,5979	20,1602	227	3,7827	28,6311
33	10,7079	9,5844	72	22,757099	18,237801	111	29,1119	26,254601	150	21,982	21,862499	189	11,313	20,225201	228	2,5517	28,626101
34	11,093	9,7969	73	22,9821	18,4531	112	29,0028	26,242001	151	21,7365	21,7379	190	11,0283	20,306299	229	1,3241	28,6271
35	11,4751	10,0135	74	23,2071	18,6639	113	28,893999	26,232201	152	21,4907	21,6098	191	10,7465	20,3902	230	-0,0252	29,632401
36	11,8564	10,2282	75	23,431999	18,876101	114	28,7838	26,226999	153	21,244699	21,489201	192	10,4702	20,492599	231	-0,0262	30,498301
37	12,2383	10,4466	76	23,6542	19,091	115	28,675501	26,2152	154	20,9923	21,373899	193	10,1966	20,596901	232	-0,0301	31,395201
38	12,6204	10,6696	77	23,8769	19,309	116	28,565599	26,208799	155	20,743299	21,2593	194	9,9273	20,7097	233		
39	13,0008	10,8888	78	24,0991	19,523899	117	28,455	26,208099	156	20,487101	21,1551	195	9,6627	20,8396	234		

<i>VDI 39 / Step 4/ Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0059	-3,0494	41	17,723	14,0129	81	28,7722	24,7386	121	23,9576	23,067801	161	11,428	20,158701
2	-0,0023	-2,1711	42	18,184999	14,3602	82	28,9979	25,0266	122	23,722799	22,896601	162	11,0482	20,259501
3	-0,0023	-1,2405	43	18,6439	14,7101	83	29,218901	25,314501	123	23,4818	22,729	163	10,6767	20,378401
4	0,9016	-0,0013	44	19,0993	15,0679	84	29,4375	25,6005	124	23,2386	22,566999	164	10,3083	20,5149
5	2,1321	0,002	45	19,556101	15,4297	85	29,654699	25,8888	125	22,9951	22,408501	165	9,9476	20,665701
6	3,3703	0,004	46	20,009399	15,7974	86	29,869699	26,1782	126	22,7444	22,253099	166	9,5926	20,8351
7	4,7559	0,669	47	20,176201	15,9323	87	30,0161	26,5165	127	22,4942	22,101	167	9,2485	21,0154
8	4,7586	1,264	48	20,454201	16,163099	88	29,8706	26,507601	128	22,240499	21,9561	168	8,9117	21,2145
9	4,7843	1,8199	49	20,7293	16,3965	89	29,7283	26,497601	129	21,9835	21,8148	169	8,5872	21,431499
10	4,8462	2,394	50	21,003099	16,628599	90	29,587099	26,4856	130	21,723801	21,677601	170	8,2633	21,6535
11	4,9475	2,9653	51	21,277599	16,866501	91	29,446199	26,475201	131	21,459999	21,545099	171	7,9539	21,8974
12	5,0867	3,5294	52	21,5515	17,1061	92	29,3043	26,461599	132	21,194599	21,419001	172	7,6579	22,156
13	5,2621	4,0837	53	21,822201	17,344101	93	29,163401	26,448799	133	20,925301	21,2964	173	7,3751	22,4221
14	5,4759	4,6256	54	22,0919	17,5875	94	29,023701	26,4375	134	20,658001	21,179001	174	7,1047	22,706499
15	5,7211	5,1523	55	22,364	17,833401	95	28,881599	26,426399	135	20,3871	21,0667	175	6,8437	22,9958
16	6,0038	5,6615	56	22,633101	18,080999	96	28,740101	26,4156	136	20,115101	20,959499	176	6,5991	23,299
17	6,3183	6,1514	57	22,8985	18,3283	97	28,5993	26,4032	137	19,843599	20,857401	177	6,3663	23,6133
18	6,6651	6,617	58	23,1618	18,5756	98	28,457199	26,3902	138	19,565901	20,758301	178	6,1484	23,935101
19	7,0435	7,0589	59	23,422899	18,8263	99	28,314301	26,3776	139	19,2878	20,667299	179	5,9442	24,270201
20	7,4522	7,4763	60	23,683201	19,076099	100	28,172199	26,365601	140	19,0056	20,5814	180	5,7542	24,612801
21	7,8884	7,8672	61	23,941799	19,3309	101	28,029699	26,353201	141	18,7258	20,4963	181	5,5797	24,963499
22	8,3524	8,2323	62	24,200199	19,5879	102	27,885401	26,3416	142	18,441999	20,419901	182	5,4214	25,3223
23	8,8353	8,5597	63	24,456301	19,844801	103	27,744101	26,3312	143	18,1574	20,3475	183	5,2827	25,6873
24	9,3368	8,8527	64	24,7101	20,1031	104	27,6026	26,3186	144	17,871099	20,2791	184	5,1554	26,056499
25	9,8536	9,1174	65	24,9627	20,365601	105	27,460501	26,3067	145	17,586599	20,2185	185	5,0464	26,437099
26	10,368	9,3879	66	25,2113	20,627001	106	27,3197	26,2941	146	17,301901	20,161301	186	4,9551	26,818399
27	10,879	9,661	67	25,4592	20,8892	107	26,9203	25,9018	147	16,8381	20,0826	187	4,0196	28,605499
28	11,3871	9,9418	68	25,707399	21,151199	108	26,735399	25,674601	148	16,447001	20,025499	188	2,7228	28,6028
29	11,8935	10,2148	69	25,951799	21,4198	109	26,544701	25,4534	149	16,0569	19,978201	189	1,4273	28,605801
30	12,3933	10,5116	70	26,194599	21,689301	110	26,3491	25,233299	150	15,6675	19,940901	190	0,0005	29,419399
31	12,8968	10,8075	71	26,437	21,9576	111	26,150101	25,0161	151	15,2802	19,9135	191	-0,0011	30,329201
32	13,3927	11,1039	72	26,678801	22,231001	112	25,947701	24,8041	152	14,8888	19,8951	192	-0,0061	31,2854
33	13,8855	11,4077	73	26,9198	22,5063	113	25,7397	24,5938	153	14,5038	19,886299			
34	14,3737	11,7179	74	27,158199	22,7817	114	25,5285	24,3869	154	14,1329	19,8857			
35	14,8638	12,0306	75	27,393801	23,054001	115	25,311501	24,183701	155	13,7615	19,892599			
36	15,3485	12,3479	76	27,6238	23,331301	116	25,092199	23,987801	156	13,3685	19,9021			
37	15,8307	12,6707	77	27,856199	23,608	117	24,874599	23,794201	157	12,9761	19,9172			
38	16,3064	12,998	78	28,0882	23,8887	118	24,6483	23,6085	158	12,5813	19,951799			
39	16,7836	13,3326	79	28,3186	24,17	119	24,4214	23,4251	159	12,1922	20,001699			
40	17,2563	13,6714	80	28,546	24,452	120	24,191601	23,2437	160	11,8053	20,071899			

<i>VDI 39 / Step 4/ Sección C/ Después de la erosión / Z= -1,15 mm constante</i>																	
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0003	-2,4723	37	11,3398	9,8982	73	23,274599	18,677099	109	27,9902	26,205799	145	19,731001	20,8626	181	8,6535	21,3965
2	0,0024	-1,7148	38	11,6938	10,0933	74	23,5735	18,968901	110	27,912399	26,2174	146	19,452101	20,742201	182	8,3918	21,589701
3	0,0023	-0,9437	39	12,0483	10,2979	75	23,875	19,2614	111	27,836201	26,2211	147	19,163401	20,6502	183	8,1298	21,7834
4	0,9695	-0,0023	40	12,4027	10,504	76	24,1719	19,557199	112	27,759001	26,2264	148	18,875	20,553301	184	7,8796	21,991501
5	2,0157	-0,0002	41	12,7538	10,7105	77	24,466299	19,859699	113	27,684099	26,212	149	18,5867	20,4694	185	7,6339	22,2048
6	3,0698	0,0021	42	13,1044	10,9179	78	24,764	20,157801	114	27,6101	26,202499	150	18,2929	20,395599	186	7,405	22,4338
7	4,7605	0,6117	43	13,4533	11,1314	79	25,054001	20,460899	115	27,5354	26,187599	151	18,001699	20,316601	187	7,1732	22,6616
8	4,7615	1,0236	44	13,8027	11,3467	80	25,347099	20,762199	116	27,461399	26,1744	152	17,705999	20,251801	188	6,951	22,898001
9	4,766	1,4182	45	14,1424	11,5651	81	25,6285	21,069099	117	26,6285	25,5802	153	17,4114	20,1901	189	6,7491	23,1504
10	4,7851	1,7868	46	14,486	11,7826	82	25,9072	21,3815	118	26,438101	25,343901	154	17,113899	20,1369	190	6,5456	23,4021
11	4,8252	2,1952	47	14,8281	12,0077	83	26,195	21,687599	119	26,219601	25,135	155	16,813801	20,096901	191	6,3552	23,665199
12	4,8827	2,5965	48	15,1624	12,2362	84	26,473801	22,003	120	26,007799	24,9226	156	16,5152	20,044701	192	6,1717	23,934401
13	4,9582	2,9998	49	15,5075	12,4573	85	26,764099	22,315399	121	25,813801	24,689899	157	16,1334	19,998699	193	6,0006	24,2101
14	5,0588	3,3965	50	15,8483	12,6838	86	27,032301	22,638201	122	25,5872	24,487801	158	15,8095	19,969999	194	5,8374	24,492901
15	5,1747	3,787	51	16,182199	12,9152	87	27,304199	22,9568	123	25,372101	24,272499	159	15,4859	19,942499	195	5,6889	24,780001
16	5,3063	4,1728	52	16,516199	13,1523	88	27,568899	23,280199	124	25,139	24,079599	160	15,1621	19,9193	196	5,5426	25,068899
17	5,46	4,5479	53	16,8514	13,3815	89	27,830299	23,610399	125	24,9153	23,876699	161	14,8366	19,903601	197	5,4174	25,3692
18	5,6239	4,9212	54	17,1784	13,6217	90	28,059999	23,964001	126	24,686001	23,679501	162	14,5105	19,9037	198	5,3001	25,6702
19	5,8101	5,284	55	17,5114	13,8569	91	28,296301	24,311399	127	24,454599	23,486799	163	14,1873	19,9065	199	5,1972	25,979799
20	6,0131	5,6411	56	17,8458	14,0876	92	28,525	24,6698	128	24,216499	23,299101	164	13,883	19,9079	200	5,0952	26,2875
21	6,2283	5,9868	57	18,153099	14,3345	93	28,7463	25,0268	129	23,973801	23,124399	165	13,5755	19,9177	201	5,011	26,6017
22	6,4611	6,3222	58	18,4865	14,5861	94	28,945499	25,399599	130	23,736401	22,931999	166	13,2458	19,926701	202	4,9368	26,9165
23	6,7089	6,6438	59	18,8179	14,8393	95	29,1231	25,788099	131	23,493799	22,758301	167	12,9198	19,938999	203	4,8786	27,235001
24	6,9725	6,9504	60	19,1495	15,1029	96	29,185801	26,258801	132	23,238001	22,599001	168	12,593	19,976601	204	4,8307	27,556601
25	7,2502	7,2508	61	19,4785	15,3709	97	28,914801	26,1462	133	22,984301	22,438101	169	12,2685	20,0109	205	4,796	27,8771
26	7,5401	7,5405	62	19,8032	15,6359	98	28,8356	26,153099	134	22,731501	22,273001	170	11,9478	20,0674	206	4,7702	28,194799
27	7,8447	7,8145	63	20,1292	15,8986	99	28,7591	26,161301	135	22,4695	22,123501	171	11,6297	20,141199	207	3,3695	28,6113
28	8,1617	8,0736	64	20,4515	16,1663	100	28,681801	26,1724	136	22,2125	21,965	172	11,3127	20,212299	208	2,4426	28,611
29	8,4932	8,317	65	20,768801	16,4384	101	28,605301	26,174101	137	21,946301	21,817101	173	11	20,301701	209	1,5213	28,6126
30	8,835	8,5409	66	21,090599	16,706499	102	28,529301	26,176901	138	21,680799	21,6735	174	10,6919	20,3999	210	0,0031	29,753401
31	9,1821	8,7552	67	21,4067	16,978399	103	28,4517	26,1824	139	21,410101	21,5387	175	10,3862	20,511801	211	0,0005	30,4811
32	9,5415	8,946	68	21,7227	17,255301	104	28,373301	26,1891	140	21,135799	21,4109	176	10,0889	20,6418	212	-0,0028	31,250401
33	9,904	9,1304	69	22,0392	17,5387	105	28,2973	26,189899	141	20,8652	21,2771	177	9,7881	20,765699			
34	10,2659	9,3183	70	22,3582	17,8183	106	28,2195	26,1926	142	20,5858	21,163	178	9,4989	20,909901			
35	10,6266	9,5085	71	22,660299	18,107599	107	28,1434	26,191299	143	20,307199	21,041901	179	9,2116	21,063499			
36	10,9844	9,7007	72	22,9743	18,3859	108	28,0672	26,199301	144	20,0266	20,9326	180	8,925	21,2166			

<i>VDI 36 / Step 1/ Sección A/ Antes de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0097	-2,8511	41	23,629999	19,0026	81	29,7962	26,031099	121	25,3489	24,176399	161	19,3634	20,653099
2	-0,0063	-2,03	42	23,8008	19,165701	82	29,936399	26,219801	122	25,2178	24,057699	162	19,197901	20,596701
3	-0,0078	-1,1646	43	23,964701	19,3309	83	30,075701	26,406799	123	25,0875	23,940701	163	19,0301	20,544201
4	1,1987	-0,0007	44	24,130199	19,4949	84	29,993401	26,445999	124	24,9555	23,825701	164	18,862101	20,495199
5	2,0771	0,0023	45	24,296	19,657101	85	29,754999	26,434	125	24,8241	23,7129	165	18,6931	20,447001
6	2,9539	0,0028	46	24,458799	19,8202	86	29,5222	26,415899	126	24,689899	23,5996	166	18,523701	20,400801
7	17,5497	13,8641	47	24,6238	19,9862	87	29,3057	26,397699	127	24,555099	23,489401	167	18,3536	20,355301
8	17,7387	14,0045	48	24,7873	20,1534	88	29,204901	26,3904	128	24,420601	23,379299	168	18,182899	20,312
9	17,9284	14,1453	49	24,949699	20,3209	89	29,104799	26,382401	129	24,2829	23,2729	169	18,013201	20,271601
10	18,1165	14,2879	50	25,1136	20,4895	90	29,003901	26,3741	130	24,1457	23,165001	170	17,842899	20,2311
11	18,3047	14,4294	51	25,2754	20,66	91	28,9053	26,3654	131	24,007099	23,060101	171	17,6707	20,192101
12	18,4918	14,5696	52	25,437099	20,8297	92	28,805401	26,356501	132	23,865499	22,9562	172	17,499201	20,157499
13	18,6766	14,7137	53	25,598101	21,002001	93	28,7048	26,3487	133	23,7227	22,854799	173	17,328501	20,123899
14	18,8605	14,8583	54	25,757601	21,173901	94	28,605101	26,340599	134	23,578501	22,752199	174	17,154699	20,091499
15	19,0459	15,0006	55	25,917999	21,347	95	28,5063	26,3333	135	23,433001	22,653999	175	16,9828	20,062201
16	19,2274	15,1449	56	26,076799	21,519699	96	28,405199	26,3223	136	23,2904	22,555401	176	16,810301	20,0347
17	19,4112	15,2918	57	26,232901	21,691999	97	28,3055	26,313999	137	23,1443	22,4603	177	16,6362	20,006901
18	19,5929	15,437	58	26,3909	21,866501	98	28,205299	26,3057	138	22,995501	22,3664	178	16,4639	19,982901
19	19,7747	15,5823	59	26,546101	22,0397	99	28,106199	26,2971	139	22,847099	22,2731	179	16,289301	19,9596
20	19,956	15,7298	60	26,7005	22,213699	100	28,005301	26,288	140	22,6991	22,181601	180	16,115101	19,9387
21	20,135	15,8768	61	26,853399	22,3895	101	27,9037	26,279499	141	22,547501	22,0914	181	15,9383	19,919701
22	20,3149	16,0247	62	27,0068	22,564501	102	27,804001	26,2703	142	22,3962	22,003401	182	15,7625	19,9027
23	20,4947	16,1759	63	27,1602	22,7397	103	27,704599	26,263399	143	22,2437	21,9165	183	15,5884	19,886801
24	20,6742	16,3259	64	27,311199	22,918699	104	27,602699	26,255501	144	22,089199	21,832701	184	15,4141	19,8731
25	20,8549	16,4801	65	27,462601	23,0963	105	27,5019	26,2463	145	21,936001	21,7481	185	15,2358	19,8629
26	21,0347	16,6346	66	27,615101	23,276899	106	27,402201	26,237	146	21,7813	21,667801	186	15,061	19,853201
27	21,2136	16,7868	67	27,7675	23,456699	107	27,0205	25,9732	147	21,626699	21,588301	187	3,7274	28,556999
28	21,3897	16,9409	68	27,917101	23,639	108	26,9097	25,836201	148	21,470501	21,5112	188	2,6622	28,5578
29	21,5661	17,0945	69	28,0679	23,82	109	26,796801	25,702	149	21,313801	21,435101	189	1,6018	28,5569
30	21,7408	17,2496	70	28,214701	24,001101	110	26,682699	25,5676	150	21,1544	21,3613	190	-0,0134	29,7479
31	21,9156	17,4042	71	28,361099	24,183001	111	26,566299	25,4345	151	20,996099	21,285999	191	-0,0124	30,4557
32	22,0899	17,5601	72	28,509501	24,364401	112	26,450199	25,3027	152	20,8358	21,216801	192	-0,0141	31,2155
33	22,2625	17,717	73	28,6539	24,544701	113	26,333599	25,1733	153	20,674801	21,1462			
34	22,4332	17,8757	74	28,799299	24,729401	114	26,216	25,0443	154	20,512501	21,0777			
35	22,6062	18,032	75	28,943899	24,912399	115	26,0958	24,9167	155	20,3505	21,011801			
36	22,7773	18,1919	76	29,087299	25,0979	116	25,9744	24,7906	156	20,1875	20,9473			
37	22,9494	18,3522	77	29,2309	25,2834	117	25,8521	24,665701	157	20,0249	20,884501			
38	23,120399	18,5149	78	29,3729	25,468399	118	25,728001	24,5408	158	19,8605	20,822001			
39	23,2917	18,674601	79	29,5154	25,654699	119	25,602501	24,4179	159	19,695601	20,7633			
40	23,461901	18,8396	80	29,6556	25,842501	120	25,4757	24,294701	160	19,529699	20,7071			



<i>VDI 36 / Step 1/ Sección A/ Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0098	-2,465	28	22,0119	17,5767	55	29,3053	25,6567	82	26,185699	25,0231	109	20,1924	20,951401
2	-0,0099	-1,6237	29	22,307	17,8502	56	29,5166	26,0028	83	25,998899	24,823999	110	19,9415	20,8542
3	-0,0081	-0,7658	30	22,5975	18,1332	57	29,8524	25,9862	84	25,805201	24,632099	111	19,685699	20,7609
4	1,2556	-0,0003	31	22,8946	18,4087	58	29,7052	26,1187	85	25,6141	24,4368	112	19,4303	20,674601
5	2,3696	0,0016	32	23,1835	18,6911	59	29,5734	26,193001	86	25,422001	24,2477	113	19,170401	20,5944
6	3,4868	0,003	33	23,4653	18,9788	60	29,444799	26,241501	87	25,222	24,067101	114	18,910999	20,512501
7	15,3511	12,3229	34	23,7465	19,2667	61	29,318001	26,272301	88	25,020399	23,8899	115	18,6523	20,436399
8	15,684	12,5552	35	24,0349	19,5485	62	29,1919	26,281	89	24,820601	23,711201	116	18,3902	20,364901
9	16,0207	12,7839	36	24,3155	19,8389	63	29,0669	26,2784	90	24,614201	23,539801	117	18,126101	20,298901
10	16,3514	13,0116	37	24,594601	20,1315	64	28,943399	26,266701	91	24,406099	23,3682	118	17,861601	20,2362
11	16,6827	13,2432	38	24,8689	20,426901	65	28,818501	26,2589	92	24,191401	23,2013	119	17,5968	20,179399
12	17,0174	13,4712	39	25,1427	20,7251	66	28,6943	26,243	93	23,9767	23,035999	120	17,331699	20,1259
13	17,3429	13,715	40	25,420799	21,0198	67	28,569599	26,224001	94	23,739901	22,9004	121	17,0637	20,0783
14	17,6686	13,9519	41	25,6931	21,317699	68	28,443899	26,211901	95	23,5189	22,748699	122	16,7971	20,0324
15	17,993	14,1935	42	25,965599	21,613199	69	28,32	26,1975	96	23,309601	22,571699	123	16,527599	19,9918
16	18,3147	14,4374	43	26,2355	21,9111	70	28,1938	26,190399	97	23,084101	22,421	124	16,255699	19,9568
17	18,6361	14,6814	44	26,509701	22,207199	71	28,069599	26,170799	98	22,8512	22,2771	125	15,9823	19,9259
18	18,9546	14,9284	45	26,7689	22,5175	72	27,945299	26,1527	99	22,616199	22,143101	126	15,7155	19,899599
19	19,2702	15,1791	46	27,035999	22,822399	73	27,819901	26,1355	100	22,3892	21,999399	127	4,1417	28,556999
20	19,5845	15,4321	47	27,287701	23,139299	74	27,695801	26,1206	101	22,146099	21,881001	128	2,6002	28,559999
21	19,8975	15,6975	48	27,5501	23,443399	75	27,5716	26,105801	102	21,916	21,740101	129	1,0541	28,557501
22	20,2119	15,9583	49	27,788799	23,767099	76	27,4459	26,098499	103	21,6761	21,615499	130	-0,0067	29,340799
23	20,5134	16,2289	50	28,0474	24,073099	77	27,0742	26,045	104	21,433201	21,4942	131	-0,0122	30,2444
24	20,8191	16,4922	51	28,3027	24,3841	78	26,894501	25,844299	105	21,1866	21,3771	132	-0,0151	31,1742
25	21,119	16,7581	52	28,552799	24,7026	79	26,714701	25,6422	106	20,9403	21,2635			
26	21,4177	17,0306	53	28,8055	25,0184	80	26,5387	25,438101	107	20,689699	21,1656			
27	21,7102	17,3093	54	29,050699	25,3402	81	26,3633	25,2306	108	20,444799	21,0481			

VDI 36 / Step 1/ Sección B/ Antes de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0026	-3,1473	41	23,2134	18,6059	81	29,4592	25,5832	121	25,7654	24,5828	161	20,775	21,198299
2	-0,004	-2,3759	42	23,3829	18,7691	82	29,6001	25,7712	122	25,657101	24,4757	162	20,6364	21,1362
3	-0,0023	-1,5597	43	23,5541	18,933599	83	29,743099	25,9575	123	25,5478	24,3675	163	20,4965	21,0765
4	1,1624	0,0104	44	23,7232	19,097401	84	29,8827	26,147301	124	25,436001	24,2638	164	20,3559	21,021799
5	2,3214	0,0146	45	23,8909	19,261801	85	30,0215	26,335501	125	25,326799	24,160999	165	20,2139	20,9664
6	3,4832	0,0153	46	24,057699	19,424999	86	30,119301	26,4534	126	25,212999	24,0578	166	20,072399	20,9116
7	17,0738	13,5261	47	24,2232	19,5912	87	30,035601	26,4564	127	25,100401	23,955	167	19,930401	20,8566
8	17,2647	13,6644	48	24,386801	19,7528	88	29,894899	26,4517	128	24,9851	23,856701	168	19,788601	20,804701
9	17,4555	13,803	49	24,5516	19,917601	89	29,752501	26,4433	129	24,872601	23,7584	169	19,6451	20,753799
10	17,6434	13,9396	50	24,713699	20,0847	90	29,612801	26,433901	130	24,755301	23,6626	170	19,5014	20,705299
11	17,8336	14,0812	51	24,877701	20,2521	91	29,473499	26,4231	131	24,6387	23,5644	171	19,357901	20,6569
12	18,0227	14,221	52	25,041	20,42	92	29,3328	26,4104	132	24,523399	23,468599	172	19,2141	20,6108
13	18,2103	14,3626	53	25,2034	20,5898	93	29,193001	26,4002	133	24,405199	23,373301	173	19,069201	20,565399
14	18,3986	14,5067	54	25,364901	20,759701	94	29,053301	26,389	134	24,2873	23,2819	174	18,923599	20,522699
15	18,5847	14,6485	55	25,525499	20,930599	95	28,913401	26,376801	135	24,168301	23,186899	175	18,7787	20,478001
16	18,7691	14,7912	56	25,687201	21,103701	96	28,774099	26,3631	136	24,0474	23,096701	176	18,6308	20,437599
17	18,953	14,9357	57	25,847799	21,2754	97	28,633101	26,3535	137	23,9263	23,006399	177	18,483999	20,398199
18	19,1392	15,0808	58	26,006901	21,4501	98	28,4942	26,3417	138	23,8022	22,918501	178	18,336	20,3592
19	19,3217	15,2249	59	26,1651	21,6222	99	28,3545	26,3291	139	23,678301	22,8298	179	18,187901	20,3211
20	19,5041	15,3716	60	26,3223	21,7964	100	28,214399	26,316999	140	23,552999	22,741199	180	18,040701	20,2862
21	19,685	15,5157	61	26,479401	21,970501	101	28,0751	26,3036	141	23,4282	22,656401	181	17,892599	20,250799
22	19,8672	15,6632	62	26,6348	22,1441	102	27,934401	26,291599	142	23,302999	22,5725	182	17,744101	20,2183
23	20,0469	15,812	63	26,788799	22,319	103	27,794399	26,2806	143	23,177	22,487801	183	17,5965	20,187401
24	20,2257	15,9582	64	26,943001	22,4944	104	27,653299	26,268499	144	23,0495	22,407	184	17,4478	20,1562
25	20,4074	16,1085	65	27,096001	22,6698	105	27,5112	26,257099	145	22,9207	22,325001	185	17,299	20,127501
26	20,5875	16,2591	66	27,246901	22,847	106	27,370701	26,245899	146	22,791401	22,246599	186	17,1486	20,100599
27	20,7675	16,4127	67	27,3993	23,0252	107	27,2198	26,1677	147	22,6633	22,166901	187	3,7533	28,568701
28	20,947599	16,566601	68	27,5511	23,2055	108	27,082199	26,052099	148	22,5326	22,0898	188	2,6821	28,566299
29	21,128099	16,7192	69	27,7038	23,386299	109	26,9874	25,932501	149	22,3999	22,0142	189	1,6114	28,5665
30	21,306299	16,873199	70	27,8552	23,567699	110	26,889799	25,8158	150	22,27	21,9384	190	-0,0055	29,855
31	21,4814	17,026899	71	28,006201	23,749201	111	26,7925	25,698799	151	22,1366	21,864599	191	-0,0069	30,605101
32	21,656099	17,1819	72	28,153799	23,930599	112	26,692499	25,5842	152	22,002199	21,790701	192	-0,0073	31,3979
33	21,8321	17,337601	73	28,3018	24,1115	113	26,5931	25,4676	153	21,8696	21,7216			
34	22,007401	17,492599	74	28,448799	24,294201	114	26,491899	25,354099	154	21,7348	21,6516			
35	22,180599	17,6495	75	28,594601	24,475901	115	26,3927	25,2402	155	21,600401	21,583			
36	22,355101	17,806801	76	28,740601	24,6574	116	26,290001	25,128799	156	21,4645	21,516001			
37	22,525	17,9655	77	28,886	24,8423	117	26,187201	25,0168	157	21,327999	21,451099			
38	22,697399	18,1236	78	29,0292	25,027	118	26,082899	24,907	158	21,1929	21,384399			
39	22,869499	18,282101	79	29,1744	25,212299	119	25,9797	24,7971	159	21,052799	21,3207			
40	23,0411	18,4438	80	29,316799	25,3965	120	25,872801	24,6891	160	20,9161	21,2591			

<i>VDI 36 / Step 1/ Sección B/ Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0026	-2,8629	32	22,210199	17,768999	63	29,1562	25,4767	94	25,364799	24,198999	125	18,2059	20,326799
2	-0,0046	-1,8719	33	22,4603	17,9923	64	29,3605	25,7458	95	25,1642	24,0284	126	17,9489	20,2659
3	-0,003	-0,8489	34	22,705299	18,2223	65	29,535101	26,0333	96	24,969101	23,8522	127	17,689501	20,2076
4	1,6618	0,0117	35	22,9466	18,4601	66	29,5891	26,4058	97	24,769899	23,680099	128	17,428499	20,153999
5	2,7097	0,0125	36	23,183701	18,693399	67	29,7479	26,128599	98	24,569901	23,509701	129	17,167999	20,1059
6	3,7637	0,0151	37	23,414499	18,937099	68	29,6113	26,207701	99	24,3636	23,3451	130	16,905701	20,059099
7	15,6571	12,5422	38	23,6462	19,1765	69	29,483601	26,2563	100	24,1544	23,177999	131	16,6413	20,018999
8	15,9374	12,7329	39	23,8892	19,4069	70	29,3589	26,278799	101	23,9424	23,0193	132	16,3729	19,980101
9	16,2136	12,9226	40	24,1301	19,6404	71	29,235399	26,289499	102	23,726999	22,865299	133	16,107401	19,948999
10	16,487	13,1142	41	24,3685	19,876499	72	29,111	26,2929	103	23,508801	22,712601	134	15,844	19,9219
11	16,7616	13,3045	42	24,609501	20,108999	73	28,989401	26,286699	104	23,2896	22,563999	135	15,5857	19,8978
12	17,0371	13,5011	43	24,8332	20,3605	74	28,8668	26,2754	105	23,0669	22,4175	136	15,3244	19,878799
13	17,3101	13,6977	44	25,0497	20,616199	75	28,743799	26,259501	106	22,840099	22,275801	137	15,069	19,864201
14	17,5819	13,8954	45	25,277901	20,865499	76	28,622	26,2432	107	22,611401	22,1362	138	14,8201	19,856001
15	17,8517	14,0955	46	25,512699	21,1054	77	28,497999	26,2281	108	22,382401	22,004499	139	14,569	19,8472
16	18,1203	14,2955	47	25,741899	21,3508	78	28,374901	26,2122	109	22,152399	21,8743	140	14,3098	19,8463
17	18,3876	14,4979	48	25,957399	21,6036	79	28,2516	26,2005	110	21,92	21,749399	141	14,0484	19,8473
18	18,6539	14,699	49	26,176701	21,856701	80	28,127899	26,188101	111	21,685101	21,626801	142	13,7899	19,8585
19	18,9174	14,9044	50	26,3985	22,1064	81	28,0056	26,1688	112	21,4454	21,509001	143	13,527	19,864401
20	19,18	15,112	51	26,622101	22,356001	82	27,882099	26,160299	113	21,206301	21,3923	144	13,2638	19,868999
21	19,4362	15,3276	52	26,851999	22,6015	83	27,759899	26,146999	114	20,9655	21,281099	145	12,9929	19,880699
22	19,7001	15,5392	53	27,066601	22,8596	84	27,637899	26,1362	115	20,7211	21,175301	146	12,7268	19,900499
23	19,9598	15,7571	54	27,2773	23,122801	85	27,515301	26,1213	116	20,4788	21,069799	147	3,3603	28,5707
24	20,2179	15,9785	55	27,4869	23,3836	86	27,391199	26,106701	117	20,2295	20,981199	148	2,4952	28,5709
25	20,4741	16,1947	56	27,6973	23,6423	87	26,649401	25,557501	118	19,9855	20,877399	149	1,6275	28,568701
26	20,7291	16,4132	57	27,9025	23,9039	88	26,475599	25,3557	119	19,735201	20,787201	150	-0,0011	29,4401
27	20,9794	16,6337	58	28,113501	24,161699	89	26,3016	25,153	120	19,4844	20,6999	151	-0,0056	30,158501
28	21,2302	16,856501	59	28,318001	24,426901	90	26,1224	24,952299	121	19,2318	20,6175	152	-0,0073	30,9091
29	21,4776	17,0828	60	28,530701	24,6877	91	25,939301	24,757799	122	18,975901	20,538099	153		
30	21,7232	17,309999	61	28,7393	24,9485	92	25,749201	24,569	123	18,7216	20,4631	154		
31	21,967501	17,5385	62	28,9529	25,2099	93	25,558599	24,3801	124	18,4638	20,3939	155		

VDI 36 / Step I/ Sección C/ Antes de la erosión / Z= -1,15 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0024	-3,0504	41	23,193001	18,594	81	29,5306	25,6824	121	25,194401	24,0483	161	18,467199	20,400101
2	0,003	-1,978	42	23,367901	18,758699	82	29,6752	25,8722	122	25,0501	23,917801	162	18,2784	20,3526
3	0,003	-0,8603	43	23,539801	18,925301	83	29,816601	26,065201	123	24,9044	23,792801	163	18,090401	20,3067
4	0,917	0,0195	44	23,7125	19,0924	84	29,959	26,255699	124	24,7572	23,6674	164	17,903	20,261299
5	2,4568	0,0241	45	23,882401	19,2582	85	30,101999	26,4461	125	24,6094	23,5443	165	17,713699	20,219299
6	4,0039	0,0244	46	24,0501	19,4258	86	29,9471	26,4632	126	24,4601	23,424299	166	17,5231	20,178801
7	16,9521	13,4449	47	24,2194	19,5924	87	29,558201	26,438999	127	24,309999	23,305201	167	17,334499	20,1423
8	17,1468	13,5866	48	24,3853	19,7563	88	29,442101	26,429701	128	24,157499	23,185499	168	17,142	20,1077
9	17,3404	13,7256	49	24,5516	19,924101	89	29,329201	26,4195	129	24,005699	23,070499	169	16,952999	20,0748
10	17,5331	13,8663	50	24,718399	20,0937	90	29,216	26,4119	130	23,848301	22,9571	170	16,761999	20,0445
11	17,7252	14,0061	51	24,885099	20,264799	91	29,103901	26,402399	131	23,691299	22,8437	171	16,570999	20,015301
12	17,9165	14,1488	52	25,0508	20,434401	92	28,989599	26,392599	132	23,5308	22,7328	172	16,378099	19,988199
13	18,1096	14,2938	53	25,2155	20,6075	93	28,8776	26,382401	133	23,372101	22,623501	173	16,1852	19,964701
14	18,3005	14,436	54	25,379801	20,780399	94	28,765499	26,372999	134	23,210501	22,5172	174	15,9912	19,944
15	18,489	14,5802	55	25,5443	20,953899	95	28,652599	26,362499	135	23,049601	22,412399	175	15,7977	19,925699
16	18,6779	14,7253	56	25,707199	21,129	96	28,5392	26,353901	136	22,885099	22,310101	176	15,6043	19,9074
17	18,8656	14,8724	57	25,8703	21,3043	97	28,4259	26,344299	137	22,7209	22,2076	177	15,4124	19,893299
18	19,0539	15,0188	58	26,032301	21,48	98	28,313801	26,334499	138	22,555	22,1106	178	15,2178	19,8797
19	19,2388	15,1657	59	26,191	21,6565	99	28,1998	26,3246	139	22,387699	22,0135	179	15,0238	19,8708
20	19,4249	15,3144	60	26,351299	21,832701	100	28,0879	26,315201	140	22,2204	21,917999	180	14,8375	19,864599
21	19,6092	15,463	61	26,510401	22,008801	101	27,9736	26,305201	141	22,0497	21,823601	181	14,654	19,857901
22	19,7949	15,6101	62	26,6686	22,1856	102	27,860001	26,2953	142	21,879299	21,733601	182	14,4714	19,8545
23	19,9776	15,7594	63	26,824301	22,3636	103	27,747101	26,286501	143	21,707899	21,6451	183	14,2827	19,8531
24	20,1601	15,9088	64	26,981001	22,5418	104	27,633801	26,276899	144	21,537399	21,5571	184	14,0941	19,8552
25	20,3438	16,0599	65	27,136801	22,719999	105	27,5198	26,2677	145	21,365299	21,4744	185	13,9091	19,8571
26	20,5263	16,2137	66	27,289499	22,9006	106	27,4069	26,257799	146	21,188999	21,391001	186	13,7178	19,8647
27	20,7094	16,3679	67	27,443899	23,0816	107	27,293499	26,248699	147	21,0147	21,309799	187	13,5329	19,8723
28	20,8913	16,523899	68	27,597799	23,265301	108	27,180099	26,240599	148	20,837	21,2302	188	13,348	19,8799
29	21,0742	16,679701	69	27,7523	23,4485	109	27,066699	26,232599	149	20,659401	21,1541	189	13,1639	19,8875
30	21,2565	16,834499	70	27,9065	23,6329	110	26,953399	26,224599	150	20,480801	21,0776	190	12,9798	19,8951
31	21,436001	16,9923	71	28,0578	23,816999	111	26,840099	26,216599	151	20,3013	21,0072	191	12,7957	19,9027
32	21,613501	17,1485	72	28,2085	24,001101	112	26,726799	26,208599	152	20,1199	20,936501	192	12,6116	19,9103
33	21,791599	17,306	73	28,3589	24,1866	113	26,613499	26,200599	153	19,9394	20,866601			
34	21,970301	17,462999	74	28,5089	24,369499	114	26,500199	26,192599	154	19,7586	20,802401			
35	22,1462	17,621099	75	28,655001	24,555799	115	26,386899	26,184599	155	19,5763	20,7391			
36	22,321899	17,782801	76	28,804001	24,741699	116	26,273499	26,176599	156	19,3929	20,677			
37	22,496401	17,942301	77	28,950001	24,9284	117	26,160199	26,168599	157	19,209499	20,6173			
38	22,6707	18,103201	78	29,098101	25,116699	118	26,046899	26,160599	158	19,025499	20,557699			
39	22,844999	18,265301	79	29,2435	25,304701	119	25,933499	26,152599	159	18,84	20,5044			
40	23,018499	18,428499	80	29,3885	25,493	120	25,820199	26,144599	160	18,6535	20,450899			

<i>VDI 36 / Step 1/ Sección C/ Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0018	-3,0167	32	22,678101	18,1994	63	29,250099	25,6043	94	25,4126	24,251801	125	18,4049	20,3866
2	0,0028	-2,0105	33	22,905199	18,4291	64	29,445801	25,856701	95	25,222	24,078899	126	18,150299	20,3235
3	0,0007	-0,9837	34	23,1322	18,6539	65	29,5972	26,1413	96	25,030899	23,9037	127	17,8967	20,2617
4	0,8517	0,0218	35	23,360701	18,875999	66	29,6008	26,5308	97	24,833799	23,7379	128	17,639299	20,2045
5	1,96	0,0241	36	23,5898	19,096399	67	29,5488	26,2528	98	24,6369	23,569901	129	17,385	20,153601
6	3,0735	0,0242	37	23,8148	19,322201	68	29,4272	26,278999	99	24,4359	23,4051	130	17,1262	20,105801
7	16,4996	13,1173	38	24,0424	19,5467	69	29,312401	26,2997	100	24,231199	23,242701	131	16,868099	20,062901
8	16,7589	13,3078	39	24,2637	19,7766	70	29,197201	26,306999	101	24,020399	23,087601	132	16,6094	20,0242
9	17,0217	13,4952	40	24,4893	20,004801	71	29,082899	26,301901	102	23,811001	22,930201	133	16,345501	19,9862
10	17,2825	13,6834	41	24,711	20,2335	72	28,9702	26,2969	103	23,5975	22,780199	134	16,084801	19,9555
11	17,5409	13,872	42	24,9237	20,4744	73	28,855101	26,283199	104	23,382601	22,632401	135	15,8261	19,928499
12	17,7984	14,0614	43	25,1462	20,7047	74	28,7418	26,2724	105	23,1642	22,488199	136	15,5723	19,9058
13	18,0538	14,2511	44	25,368099	20,938	75	28,6283	26,2649	106	22,942499	22,346201	137	15,3169	19,8883
14	18,3089	14,4436	45	25,58	21,177601	76	28,5144	26,254499	107	22,7181	22,2073	138	15,0628	19,8748
15	18,5659	14,6378	46	25,795601	21,4126	77	28,3993	26,233601	108	22,495701	22,0762	139	14,8188	19,8657
16	18,8167	14,8338	47	26,009701	21,647499	78	28,2843	26,221701	109	22,270399	21,947399	140	14,5735	19,856701
17	19,0663	15,0323	48	26,226999	21,882601	79	28,171101	26,205799	110	22,042801	21,820601	141	14,3195	19,8557
18	19,3199	15,2277	49	26,437799	22,1203	80	28,055901	26,199301	111	21,812599	21,698299	142	14,0633	19,8575
19	19,565	15,4337	50	26,631001	22,3776	81	27,943399	26,183701	112	21,5798	21,578501	143	13,8053	19,8641
20	19,8144	15,6414	51	26,8473	22,6136	82	27,83	26,169901	113	21,3433	21,466299	144	13,5476	19,873301
21	20,0685	15,842	52	27,0618	22,851	83	27,7166	26,159599	114	21,1068	21,354	145	13,2896	19,8773
22	20,3078	16,0566	53	27,2659	23,1	84	27,6031	26,1462	115	20,8692	21,246	146	13,0224	19,890301
23	20,5497	16,2674	54	27,460199	23,353399	85	27,489401	26,133101	116	20,630199	21,1429	147	3,7273	28,5805
24	20,7923	16,4747	55	27,669901	23,594	86	27,375	26,1189	117	20,3887	21,044399	148	2,6571	28,579399
25	21,0324	16,685	56	27,861601	23,846201	87	26,6649	25,5984	118	20,1465	20,948299	149	1,5813	28,5812
26	21,269	16,8983	57	28,055099	24,0986	88	26,495001	25,397699	119	19,902399	20,856199	150	0,0008	29,561399
27	21,5144	17,1038	58	28,245001	24,354099	89	26,321699	25,1998	120	19,657101	20,768	151	-0,0027	30,361601
28	21,746901	17,3237	59	28,4503	24,600401	90	26,152599	24,9995	121	19,4077	20,6863	152	-0,0013	31,1917
29	21,979601	17,5413	60	28,6488	24,8519	91	25,9699	24,8095	122	19,1535	20,6243			
30	22,215599	17,7577	61	28,849501	25,1014	92	25,7847	24,6227	123	18,9084	20,5275			
31	22,444	17,981701	62	29,0501	25,3524	93	25,6005	24,4354	124	18,657499	20,453199			

VDI 36 / Step 2/ Sección A/ Antes de la erosión / Z= -3,55 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0007	-2,9469	41	17,5858	13,8858	81	29,411501	25,4884	121	24,4088	23,358101	161	11,8053	20,0282	
2	0,005	-2,1505	42	18,042	14,2245	82	29,6437	25,7992	122	24,2348	23,220501	162	11,32	20,1418	
3	0,0029	-1,345	43	18,495001	14,5648	83	29,875	26,1071	123	24,059	23,0856	163	10,8422	20,2834	
4	1,2368	0,0027	44	18,943001	14,9094	84	30,1031	26,4202	124	23,881201	22,954	164	10,3688	20,449499	
5	2,1645	0,0041	45	19,386999	15,2614	85	29,826799	26,4342	125	23,6999	22,825199	165	9,91	20,643	
6	3,0907	0,0052	46	19,833401	15,6202	86	29,436701	26,404699	126	23,518801	22,698601	166	9,4609	20,8594	
7	4,7543	0,9008	47	20,287901	15,9931	87	29,256001	26,3894	127	23,336399	22,5751	167	9,0249	21,103001	
8	4,7591	1,47	48	20,5858	16,241501	88	29,150999	26,383101	128	23,1527	22,452999	168	8,6028	21,3715	
9	4,7995	2,0353	49	20,880199	16,491899	89	29,0467	26,3738	129	22,9662	22,334	169	8,1972	21,662901	
10	4,8767	2,5985	50	21,174801	16,743099	90	28,943199	26,364599	130	22,777201	22,222099	170	7,808	21,9765	
11	4,9857	3,1566	51	21,466499	16,9953	91	28,8396	26,3573	131	22,588301	22,1077	171	7,4393	22,312599	
12	5,1322	3,7069	52	21,756701	17,251101	92	28,735399	26,347	132	22,399	21,997	172	7,0881	22,6698	
13	5,3161	4,2452	53	22,048599	17,511499	93	28,6311	26,338301	133	22,2038	21,887899	173	6,7613	23,0411	
14	5,5355	4,77	54	22,338499	17,7728	94	28,527599	26,3295	134	22,0089	21,782301	174	6,4581	23,433701	
15	5,7895	5,2851	55	22,625999	18,037001	95	28,423901	26,320999	135	21,8113	21,680099	175	6,1757	23,8428	
16	6,0769	5,776	56	22,912701	18,300301	96	28,3202	26,3116	136	21,614	21,5788	176	5,918	24,2715	
17	6,3921	6,2482	57	23,191601	18,564699	97	28,216	26,303699	137	21,414801	21,481001	177	5,6819	24,7085	
18	6,7392	6,7016	58	23,4694	18,8312	98	28,112499	26,295	138	21,2152	21,3846	178	5,4703	25,1584	
19	7,1125	7,1303	59	23,7502	19,0994	99	28,009701	26,285	139	21,0135	21,2932	179	5,2864	25,6201	
20	7,5156	7,5333	60	24,0259	19,3724	100	27,905701	26,277	140	20,8104	21,2022	180	5,1299	26,090799	
21	7,9489	7,9103	61	24,3013	19,6444	101	27,8015	26,266899	141	20,6075	21,114901	181	4,9986	26,572599	
22	8,4027	8,2615	62	24,5749	19,920601	102	27,6968	26,257	142	20,4042	21,0322	182	4,8975	27,053101	
23	8,8794	8,5767	63	24,847799	20,199301	103	27,592899	26,2491	143	20,2015	20,949301	183	4,8225	27,542601	
24	9,3701	8,8594	64	25,1201	20,4792	104	27,488899	26,2418	144	19,9946	20,8713	184	4,7771	28,0037	
25	9,8746	9,118	65	25,3866	20,760099	105	26,920401	25,836	145	19,6229	20,7393	185	3,5822	28,5602	
26	10,378	9,3791	66	25,6504	21,042101	106	26,778099	25,664	146	19,149099	20,582199	186	2,4558	28,562099	
27	10,881	9,6461	67	25,913	21,323999	107	26,6329	25,495399	147	18,672199	20,440201	187	1,3316	28,5597	
28	11,377	9,917	68	26,173599	21,608801	108	26,487801	25,329901	148	18,189899	20,313999	188	0,0038	29,7698	
29	11,8734	10,1958	69	26,435499	21,8986	109	26,339899	25,1644	149	17,7061	20,201799	189	0,0034	30,364	
30	12,3649	10,477	70	26,694799	22,189501	110	26,192101	25,0028	150	17,2174	20,1031	190	0,0033	30,972799	
31	12,856	10,7631	71	26,952801	22,482401	111	26,0406	24,841101	151	16,7253	20,0212				
32	13,344	11,0554	72	27,2089	22,776699	112	25,884399	24,6828	152	16,229601	19,9538				
33	13,8283	11,3502	73	27,461901	23,071899	113	25,7264	24,5254	153	15,7359	19,902399				
34	14,3068	11,6515	74	27,711201	23,3673	114	25,568899	24,369801	154	15,2506	19,867701				
35	14,7829	11,9547	75	27,959101	23,664801	115	25,4091	24,218	155	14,7816	19,8454				
36	15,2565	12,264	76	28,203501	23,9636	116	25,2467	24,0672	156	14,2842	19,839399				
37	15,7309	12,5818	77	28,447701	24,2637	117	25,081699	23,9224	157	13,7875	19,847799				
38	16,1987	12,9016	78	28,6924	24,5655	118	24,916401	23,776699	158	13,2924	19,8629				
39	16,663799	13,2256	79	28,9321	24,8722	119	24,750999	23,635099	159	12,794	19,890301				
40	17,126101	13,5522	80	29,172199	25,18	120	24,5793	23,495701	160	12,2955	19,946301				

<i>VDI 36 / Step 2/ Sección A/ Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0048	-2,8744	41	17,604401	13,9055	81	29,307899	25,5893	121	24,3962	23,352301	161	11,815	20,0334
2	0,0086	-2,111	42	18,0658	14,2416	82	29,5462	25,8962	122	24,223101	23,2143	162	11,3339	20,1443
3	0,005	-1,3058	43	18,518801	14,5863	83	29,778099	26,2076	123	24,0368	23,093	163	10,8557	20,284201
4	1,2523	-0,0012	44	18,9706	14,9325	84	29,871201	26,618999	124	23,8659	22,9498	164	10,374	20,4527
5	2,1491	0,0017	45	19,409599	15,2849	85	29,8155	26,292101	125	23,683599	22,8183	165	9,9074	20,650299
6	3,0875	0,0016	46	19,847401	15,6405	86	29,4277	26,292601	126	23,4995	22,691401	166	9,457	20,8678
7	4,7568	0,9406	47	20,304399	16,017	87	29,2428	26,2766	127	23,3158	22,5669	167	9,022	21,110901
8	4,7638	1,5055	48	20,596201	16,2721	88	29,1385	26,2665	128	23,132401	22,445499	168	8,5964	21,381901
9	4,8051	2,0711	49	20,8897	16,5261	89	29,0343	26,254	129	22,938299	22,342899	169	8,189	21,6749
10	4,8827	2,6346	50	21,191601	16,7708	90	28,93	26,2421	130	22,7526	22,219999	170	7,8016	21,988501
11	4,9956	3,1926	51	21,4743	17,0345	91	28,8255	26,226101	131	22,565399	22,1017	171	7,4342	22,3237
12	5,1438	3,7383	52	21,758699	17,2959	92	28,722601	26,209801	132	22,372801	21,992201	172	7,0767	22,6891
13	5,331	4,2757	53	22,044701	17,556499	93	28,618601	26,1943	133	22,1803	21,882601	173	6,7455	23,0665
14	5,5499	4,7993	54	22,3263	17,821699	94	28,5159	26,176001	134	21,98	21,788601	174	6,4418	23,4611
15	5,8025	5,3055	55	22,6073	18,089701	95	28,4128	26,1633	135	21,787399	21,674601	175	6,1579	23,873199
16	6,0907	5,7959	56	22,8925	18,353901	96	28,309299	26,149	136	21,591	21,572901	176	5,901	24,298599
17	6,4066	6,2677	57	23,171101	18,6252	97	28,205601	26,1292	137	21,391899	21,4762	177	5,6693	24,74
18	6,7508	6,7157	58	23,4503	18,900299	98	28,101601	26,1161	138	21,1924	21,3806	178	5,4582	25,1905
19	7,1289	7,144	59	23,725901	19,1726	99	28,000099	26,0998	139	20,9928	21,289801	179	5,276	25,6528
20	7,5443	7,5559	60	23,9998	19,4461	100	27,896	26,084299	140	20,787201	21,203699	180	5,1228	26,1259
21	7,9728	7,9273	61	24,258699	19,7118	101	27,794399	26,070801	141	20,5854	21,1122	181	4,9926	26,603399
22	8,4215	8,2724	62	24,519699	19,992599	102	27,6901	26,056801	142	20,3778	21,0285	182	4,8949	27,0896
23	8,9014	8,5888	63	24,7908	20,2714	103	27,5872	26,0441	143	20,1703	20,944799	183	4,82	27,5767
24	9,3953	8,8701	64	25,0548	20,5583	104	27,4839	26,025999	144	19,961399	20,8657	184	4,7744	28,0651
25	9,8994	9,1277	65	25,3195	20,841101	105	26,901501	25,8715	145	19,582899	20,7311	185	3,5604	28,567499
26	10,4041	9,3906	66	25,578501	21,1294	106	26,7425	25,7115	146	19,1073	20,5763	186	2,4408	28,568199
27	10,9081	9,6586	67	25,837999	21,420601	107	26,590401	25,5476	147	18,6294	20,436701	187	1,3134	28,565599
28	11,4039	9,9298	68	26,0923	21,7115	108	26,4361	25,387899	148	18,149401	20,311501	188	0,0041	29,8435
29	11,8978	10,2078	69	26,3472	22,0047	109	26,2969	25,2139	149	17,665501	20,2005	189	0,0039	30,4039
30	12,3887	10,4872	70	26,605301	22,289499	110	26,1577	25,0462	150	17,1761	20,1045	190	0,0057	31,0133
31	12,8791	10,7723	71	26,859501	22,5795	111	26,0103	24,881001	151	16,6884	20,032499			
32	13,3692	11,0644	72	27,1154	22,8729	112	25,855499	24,725401	152	16,2001	19,9709			
33	13,8535	11,3608	73	27,3668	23,1698	113	25,692499	24,5553	153	15,709	19,9195			
34	14,333	11,6612	74	27,615299	23,4732	114	25,544001	24,399599	154	15,2188	19,880699			
35	14,8138	11,9677	75	27,870701	23,769501	115	25,386	24,2458	155	14,734	19,8494			
36	15,287	12,2779	76	28,1092	24,0732	116	25,23	24,089001	156	14,2645	19,8465			
37	15,7592	12,594	77	28,351999	24,372801	117	25,071501	23,9338	157	13,779	19,8552			
38	16,226	12,9148	78	28,591	24,674	118	24,8985	23,7922	158	13,2875	19,870199			
39	16,6912	13,2383	79	28,832899	24,9769	119	24,727501	23,6507	159	12,7939	19,8969			
40	17,146999	13,5686	80	29,070499	25,2817	120	24,568701	23,4928	160	12,304	19,9519			

<i>VDI 36 / Step 2/ Sección B/ Antes de la erosión / Z= -2,35 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0003	-2,8262	41	18,7869	14,798	81	29,3272	25,3913	121	23,7661	22,882799	161	10,6268	20,363199	
2	0,0012	-1,8635	42	19,2666	15,1743	82	29,5303	25,657101	122	23,543699	22,725	162	10,2092	20,5215	
3	-0,0004	-0,8918	43	19,7449	15,561	83	29,7285	25,9242	123	23,3144	22,571699	163	9,8031	20,6991	
4	1,1089	0,0119	44	20,219801	15,9473	84	29,9275	26,190599	124	23,0868	22,421301	164	9,404	20,8976	
5	2,2673	0,0144	45	20,687099	16,3398	85	30,122999	26,461399	125	22,8526	22,2763	165	9,0179	21,1145	
6	3,4213	0,0133	46	21,150101	16,733299	86	29,8661	26,445101	126	22,6206	22,1357	166	8,6404	21,3535	
7	4,7525	0,9399	47	21,562	17,09	87	29,503	26,4182	127	22,3834	21,9977	167	8,2785	21,609501	
8	4,7614	1,5501	48	21,812901	17,312201	88	29,3766	26,4095	128	22,1406	21,864599	168	7,9283	21,882999	
9	4,8082	2,1613	49	22,0648	17,536699	89	29,2537	26,4006	129	21,8974	21,7344	169	7,5938	22,1749	
10	4,901	2,7674	50	22,314301	17,7619	90	29,1315	26,3901	130	21,6527	21,607401	170	7,2732	22,4821	
11	5,032	3,366	51	22,563801	17,989599	91	29,0082	26,3792	131	21,404699	21,485701	171	6,9703	22,805401	
12	5,2068	3,9496	52	22,809601	18,216999	92	28,8859	26,370701	132	21,1563	21,367901	172	6,685	23,141199	
13	5,4224	4,5226	53	23,052	18,4452	93	28,762899	26,358	133	20,9048	21,2547	173	6,4177	23,4925	
14	5,6788	5,083	54	23,2943	18,6726	94	28,640301	26,3472	134	20,6506	21,145	174	6,1677	23,858299	
15	5,9742	5,622	55	23,5334	18,903601	95	28,518	26,3368	135	20,3986	21,038601	175	5,9361	24,2351	
16	6,3026	6,1359	56	23,774599	19,136	96	28,395901	26,3279	136	20,1443	20,9389	176	5,7261	24,6257	
17	6,667	6,6275	57	24,012501	19,371901	97	28,2742	26,317801	137	19,889799	20,843	177	5,5316	25,0222	
18	7,068	7,0916	58	24,253	19,604601	98	28,150801	26,3067	138	19,629299	20,7519	178	5,361	25,4296	
19	7,4977	7,5267	59	24,4881	19,841	99	28,0284	26,2962	139	19,370701	20,662201	179	5,2094	25,8431	
20	7,9612	7,9317	60	24,7213	20,080099	100	27,905701	26,286699	140	19,1061	20,579201	180	5,0797	26,263901	
21	8,4519	8,3074	61	24,9562	20,3209	101	27,782499	26,273899	141	18,842899	20,497499	181	4,9701	26,691799	
22	8,9676	8,6395	62	25,189699	20,563601	102	27,659901	26,263399	142	18,5791	20,4244	182	4,8862	27,1189	
23	9,4991	8,9372	63	25,42	20,805599	103	27,5369	26,255301	143	18,3137	20,354401	183	4,8224	27,553101	
24	10,0434	9,2141	64	25,6476	21,0494	104	27,413401	26,245199	144	18,0471	20,287201	184	4,7781	27,9701	
25	10,585	9,4979	65	25,872299	21,2927	105	26,9564	25,889999	145	17,5951	20,188101	185	4,0985	28,569599	
26	11,123	9,7883	66	26,096701	21,5382	106	26,7792	25,676399	146	17,159901	20,1024	186	2,6144	28,5697	
27	11,6584	10,0839	67	26,3237	21,7859	107	26,598499	25,468201	147	16,7216	20,0301	187	1,1329	28,5695	
28	12,1883	10,3843	68	26,549101	22,0364	108	26,417299	25,2612	148	16,2796	19,9692	188	0,0059	29,360001	
29	12,7184	10,6923	69	26,771601	22,288401	109	26,232599	25,059099	149	15,8405	19,9216	189	0,0009	30,3377	
30	13,2444	11,0044	70	26,993999	22,540501	110	26,046101	24,8578	150	15,4041	19,8864	190	-0,0005	31,334299	
31	13,7653	11,3234	71	27,214399	22,7945	111	25,8519	24,6618	151	14,9877	19,860901				
32	14,2833	11,6473	72	27,432301	23,0481	112	25,6579	24,468901	152	14,5568	19,8479				
33	14,7957	11,9756	73	27,6474	23,305	113	25,458799	24,276501	153	14,1165	19,8496				
34	15,3074	12,3092	74	27,8622	23,560801	114	25,258499	24,09	154	13,6739	19,8605				
35	15,8154	12,6518	75	28,0753	23,816401	115	25,054701	23,907301	155	13,2335	19,872999				
36	16,321301	12,9955	76	28,285601	24,075199	116	24,8479	23,7286	156	12,7911	19,8995				
37	16,8248	13,3428	77	28,4967	24,3333	117	24,6388	23,5543	157	12,3474	19,947599				
38	17,318001	13,7024	78	28,704901	24,5942	118	24,4265	23,381701	158	11,9086	20,017599				
39	17,8106	14,0615	79	28,912201	24,858	119	24,2108	23,212	159	11,4765	20,111601				
40	18,3013	14,4281	80	29,119499	25,123501	120	23,9909	23,045799	160	11,0468	20,2269				



<i>VDI 36 / Step 2/ Sección B/ Después de la erosión / Z= -2,35 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0037	-2,818	41	18,796801	14,8157	81	29,2013	25,469601	121	23,7293	22,8853	161	10,6799	20,3501	
2	0,0042	-1,8858	42	19,277	15,1891	82	29,4181	25,724001	122	23,498899	22,7342	162	10,2562	20,5089	
3	0,0032	-0,9152	43	19,7442	15,5692	83	29,6122	25,9977	123	23,2691	22,581301	163	9,8468	20,6859	
4	1,154	0,0085	44	20,215	15,9547	84	29,809	26,266199	124	23,0434	22,434999	164	9,4491	20,880301	
5	2,2754	0,0124	45	20,688999	16,346001	85	29,868601	26,637501	125	22,8232	22,2689	165	9,0626	21,0945	
6	3,4386	0,0116	46	21,145901	16,751301	86	29,8741	26,285801	126	22,5889	22,1273	166	8,6842	21,330799	
7	4,7548	0,9204	47	21,547899	17,1206	87	29,511299	26,2936	127	22,352699	21,986601	167	8,3178	21,5872	
8	4,7629	1,5317	48	21,797899	17,3416	88	29,383499	26,2974	128	22,110399	21,858	168	7,9674	21,857401	
9	4,8088	2,142	49	22,0406	17,567699	89	29,259701	26,289499	129	21,865999	21,736099	169	7,6328	22,146299	
10	4,8992	2,749	50	22,283501	17,7966	90	29,135799	26,276899	130	21,617701	21,617399	170	7,3037	22,456301	
11	5,03	3,3478	51	22,5322	18,022301	91	29,013	26,2665	131	21,376699	21,4846	171	6,9995	22,778299	
12	5,204	3,9351	52	22,7742	18,2514	92	28,889299	26,2507	132	21,1238	21,379299	172	6,7111	23,115299	
13	5,4201	4,5129	53	23,018499	18,4835	93	28,767	26,233299	133	20,867399	21,2824	173	6,4427	23,466299	
14	5,6751	5,0717	54	23,257799	18,7167	94	28,6451	26,2108	134	20,628	21,145599	174	6,1889	23,8316	
15	5,9685	5,6103	55	23,499399	18,953199	95	28,5236	26,1898	135	20,374399	21,036301	175	5,9571	24,2061	
16	6,2987	6,1279	56	23,7365	19,187	96	28,401699	26,171	136	20,1119	20,9431	176	5,7447	24,5956	
17	6,6629	6,6211	57	23,966101	19,425699	97	28,2784	26,155001	137	19,8482	20,8543	177	5,5494	24,991699	
18	7,0649	7,0877	58	24,201401	19,6597	98	28,1565	26,1292	138	19,585699	20,7651	178	5,3759	25,396601	
19	7,5065	7,5342	59	24,4252	19,889999	99	28,034599	26,1138	139	19,3286	20,6637	179	5,2233	25,812799	
20	7,9683	7,9367	60	24,659	20,1287	100	27,914301	26,0966	140	19,064501	20,592199	180	5,0894	26,233601	
21	8,4572	8,3103	61	24,882601	20,3778	101	27,7939	26,0814	141	18,8034	20,5075	181	4,9802	26,658899	
22	8,9805	8,6478	62	25,1166	20,6187	102	27,671801	26,071899	142	18,540899	20,4405	182	4,8934	27,0923	
23	9,5167	8,9456	63	25,338699	20,8678	103	27,5494	26,058701	143	18,2806	20,353399	183	4,826	27,524799	
24	10,0623	9,2231	64	25,556499	21,1208	104	27,4286	26,036501	144	18,0165	20,2892	184	4,7808	27,9603	
25	10,6058	9,509	65	25,7817	21,3706	105	26,9154	25,902599	145	17,566299	20,191299	185	4,1037	28,5784	
26	11,1429	9,799	66	26,005899	21,618299	106	26,7146	25,7082	146	17,133301	20,1091	186	2,6245	28,577801	
27	11,6793	10,0913	67	26,226299	21,8687	107	26,5333	25,502199	147	16,701099	20,036301	187	1,1411	28,5781	
28	12,2096	10,3874	68	26,4594	22,106899	108	26,3512	25,294701	148	16,2666	19,9818	188	0,0078	29,369301	
29	12,7328	10,6984	69	26,677401	22,354099	109	26,1765	25,085501	149	15,8334	19,929001	189	0,0019	30,3167	
30	13,262	11,0111	70	26,8836	22,6166	110	25,993999	24,883801	150	15,3992	19,8937	190	0,0023	31,310101	
31	13,785	11,3276	71	27,101801	22,870899	111	25,8085	24,686001	151	14,9645	19,8682				
32	14,3013	11,6547	72	27,314899	23,128599	112	25,609501	24,481899	152	14,5487	19,854799				
33	14,8191	11,9807	73	27,5285	23,3901	113	25,418501	24,2866	153	14,1279	19,8578				
34	15,3228	12,326	74	27,747801	23,6464	114	25,221901	24,096901	154	13,692	19,8673				
35	15,8338	12,6593	75	27,9652	23,9051	115	25,0201	23,9107	155	13,2586	19,8799				
36	16,337601	13,0024	76	28,177601	24,1584	116	24,8132	23,728201	156	12,8203	19,905701				
37	16,8344	13,3523	77	28,386499	24,4154	117	24,6084	23,543699	157	12,3879	19,9489				
38	17,329	13,7074	78	28,5851	24,680599	118	24,3976	23,3666	158	11,9577	20,016199				
39	17,824301	14,0701	79	28,796101	24,940001	119	24,1607	23,2258	159	11,5283	20,104099				
40	18,314699	14,4402	80	28,999001	25,2034	120	23,951099	23,0492	160	11,105	20,2159				

<i>VDI 36 / Step 2/ Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0039	-3,0537	41	17,743799	14,0249	81	28,8132	24,743099	121	23,9986	23,061899	161	11,4162	20,134899
2	0,0008	-2,1403	42	18,2104	14,3725	82	29,038099	25,030701	122	23,7577	22,8878	162	11,0359	20,238899
3	-0,0019	-1,2193	43	18,6731	14,7217	83	29,2631	25,3207	123	23,5193	22,719	163	10,6625	20,358101
4	0,9019	0,0205	44	19,127501	15,0778	84	29,4828	25,6099	124	23,2745	22,5534	164	10,2907	20,496
5	2,1387	0,0217	45	19,583599	15,44	85	29,701099	25,8979	125	23,0282	22,3946	165	9,9281	20,649099
6	3,376	0,0236	46	20,0362	15,8079	86	29,9156	26,187799	126	22,7778	22,242001	166	9,5722	20,8186
7	4,7457	0,6944	47	20,2015	15,9445	87	30,027	26,460199	127	22,526899	22,091	167	9,2258	21,003099
8	4,7474	1,2749	48	20,4806	16,174999	88	29,8813	26,4547	128	22,2714	21,9459	168	8,885	21,2024
9	4,7753	1,8554	49	20,7572	16,4093	89	29,740101	26,446899	129	22,0116	21,805	169	8,5539	21,419901
10	4,8413	2,4323	50	21,0331	16,6446	90	29,5977	26,436501	130	21,748501	21,6681	170	8,2337	21,650999
11	4,9425	3,0044	51	21,307199	16,879101	91	29,456301	26,424601	131	21,4849	21,535801	171	7,9238	21,893101
12	5,0815	3,5684	52	21,578199	17,115999	92	29,314899	26,415701	132	21,2194	21,4069	172	7,6261	22,152
13	5,2596	4,1212	53	21,851601	17,356899	93	29,1731	26,403099	133	20,951799	21,285299	173	7,338	22,422899
14	5,4738	4,6613	54	22,123899	17,6021	94	29,0326	26,3908	134	20,680099	21,1675	174	7,0666	22,7066
15	5,7256	5,1914	55	22,3955	17,8472	95	28,890499	26,379601	135	20,4107	21,054399	175	6,8079	22,999001
16	6,0107	5,6988	56	22,6639	18,093599	96	28,7488	26,3664	136	20,139799	20,9466	176	6,5633	23,304701
17	6,328	6,1844	57	22,9347	18,3333	97	28,606701	26,3554	137	19,8638	20,8442	177	6,3319	23,6217
18	6,6771	6,6506	58	23,190399	18,586599	98	28,465401	26,3423	138	19,5875	20,747101	178	6,1143	23,9492
19	7,0568	7,0919	59	23,4512	18,8351	99	28,321501	26,330601	139	19,308001	20,651501	179	5,9104	24,2857
20	7,4646	7,5071	60	23,7125	19,087799	100	28,1803	26,319099	140	19,0271	20,5632	180	5,7246	24,632299
21	7,9028	7,8948	61	23,9706	19,3423	101	28,0378	26,3055	141	18,743999	20,479401	181	5,5504	24,983999
22	8,3655	8,2551	62	24,2302	19,5961	102	27,8958	26,293301	142	18,4601	20,4025	182	5,3947	25,344
23	8,8504	8,5807	63	24,485201	19,8524	103	27,753901	26,2824	143	18,1751	20,329901	183	5,2563	25,7099
24	9,3513	8,8708	64	24,741199	20,112	104	27,612	26,2686	144	17,8894	20,260799	184	5,1344	26,0812
25	9,8684	9,136	65	24,995199	20,373899	105	27,470301	26,259001	145	17,6022	20,1994	185	5,0259	26,4603
26	10,3819	9,4025	66	25,2486	20,636999	106	27,3286	26,245399	146	17,3139	20,1425	186	4,938	26,839199
27	10,8961	9,6767	67	25,4972	20,9002	107	26,9611	25,907801	147	16,849501	20,0597	187	4,0205	28,580601
28	11,4053	9,9536	68	25,742399	21,1626	108	26,7707	25,6796	148	16,459101	20,003099	188	2,7259	28,58
29	11,9098	10,2375	69	25,985701	21,4284	109	26,577299	25,454901	149	16,069901	19,9557	189	1,4327	28,5776
30	12,4123	10,5249	70	26,2306	21,695801	110	26,382601	25,233801	150	15,6805	19,915501	190	0,0031	29,4228
31	12,9177	10,8185	71	26,4758	21,9673	111	26,184299	25,016399	151	15,2945	19,887699	191	-0,0002	30,3598
32	13,4153	11,1172	72	26,717899	22,2391	112	25,9807	24,805	152	14,9269	19,867701	192	-0,0021	31,3123
33	13,9074	11,4207	73	26,959801	22,512199	113	25,7742	24,5947	153	14,5388	19,857401			
34	14,3983	11,7304	74	27,1987	22,7875	114	25,5653	24,388901	154	14,1471	19,857			
35	14,8834	12,0431	75	27,434999	23,0639	115	25,3505	24,184999	155	13,7598	19,867399			
36	15,3692	12,3611	76	27,668301	23,341499	116	25,131399	23,9879	156	13,3654	19,879101			
37	15,8509	12,6852	77	27,900499	23,6201	117	24,9126	23,7952	157	12,972	19,896601			
38	16,329901	13,0128	78	28,129999	23,8981	118	24,690399	23,6068	158	12,5775	19,929399			
39	16,8062	13,347	79	28,3594	24,1775	119	24,4639	23,422501	159	12,1858	19,9771			
40	17,276699	13,6829	80	28,5879	24,4599	120	24,2327	23,238899	160	11,7992	20,047501			

<i>VDI 36 / Step 2/ Sección C/ Después de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0013	-3,0231	41	17,7584	14,0332	81	28,7024	24,8318	121	23,964001	23,051901	161	11,4488	20,134001	
2	0,0043	-2,1406	42	18,223301	14,3858	82	28,9259	25,1171	122	23,728701	22,876101	162	11,0458	20,242001	
3	0,0021	-1,2196	43	18,6894	14,7318	83	29,1465	25,405001	123	23,485901	22,707701	163	10,6932	20,353901	
4	0,9251	0,0184	44	19,1422	15,09	84	29,3811	25,679899	124	23,236601	22,554199	164	10,3151	20,493999	
5	2,1335	0,0202	45	19,5907	15,4544	85	29,655199	25,928801	125	22,985399	22,406601	165	9,9496	20,6471	
6	3,3773	0,0221	46	20,0406	15,8158	86	29,857401	26,2288	126	22,7344	22,252899	166	9,5922	20,815901	
7	4,7497	0,6959	47	20,201099	15,9618	87	30,028	26,3016	127	22,493799	22,082899	167	9,246	20,9981	
8	4,7503	1,2742	48	20,4851	16,189301	88	29,877399	26,344999	128	22,2325	21,946301	168	8,9068	21,196301	
9	4,7783	1,8546	49	20,7619	16,4245	89	29,7339	26,364901	129	21,9681	21,8151	169	8,5742	21,4132	
10	4,8466	2,4308	50	21,0329	16,669201	90	29,5917	26,3578	130	21,705	21,681801	170	8,2513	21,6451	
11	4,9447	3,0049	51	21,3092	16,9006	91	29,451	26,3367	131	21,443501	21,552401	171	7,9417	21,885599	
12	5,0878	3,5665	52	21,5802	17,1413	92	29,309099	26,3246	132	21,184299	21,417	172	7,6457	22,141701	
13	5,2658	4,1209	53	21,848301	17,387199	93	29,1672	26,3039	133	20,9233	21,286301	173	7,3594	22,408199	
14	5,4778	4,6645	54	22,1127	17,6287	94	29,0259	26,282301	134	20,6511	21,167101	174	7,079	22,698	
15	5,7266	5,1887	55	22,379801	17,876301	95	28,8846	26,2554	135	20,373501	21,0637	175	6,817	22,9944	
16	6,0105	5,6956	56	22,6472	18,122801	96	28,741899	26,240299	136	20,103701	20,943199	176	6,5697	23,302299	
17	6,3268	6,1825	57	22,9137	18,368	97	28,601601	26,218201	137	19,8253	20,836901	177	6,3387	23,6185	
18	6,6767	6,6485	58	23,1675	18,630301	98	28,460699	26,1917	138	19,5369	20,759001	178	6,1199	23,9461	
19	7,0584	7,0922	59	23,434999	18,877899	99	28,3204	26,1674	139	19,2603	20,6502	179	5,9158	24,281401	
20	7,475	7,5155	60	23,6901	19,1343	100	28,1803	26,1493	140	18,9813	20,5585	180	5,731	24,628099	
21	7,9137	7,9034	61	23,9415	19,394199	101	28,0382	26,1336	141	18,699699	20,4809	181	5,5563	24,9779	
22	8,3746	8,2609	62	24,1938	19,649401	102	27,898899	26,1085	142	18,4154	20,413099	182	5,4006	25,339001	
23	8,862	8,5881	63	24,440399	19,8915	103	27,759199	26,089001	143	18,1357	20,33	183	5,2615	25,7048	
24	9,3688	8,8796	64	24,688101	20,157101	104	27,618099	26,072901	144	17,8491	20,266001	184	5,1385	26,0769	
25	9,8854	9,1436	65	24,936399	20,423201	105	27,476999	26,0562	145	17,5632	20,1994	185	5,0312	26,452999	
26	10,4018	9,4123	66	25,185699	20,687401	106	27,3347	26,030001	146	17,2726	20,1581	186	4,9414	26,832899	
27	10,9131	9,6861	67	25,425501	20,9597	107	26,9373	25,9167	147	16,818899	20,0625	187	4,0162	28,5874	
28	11,4248	9,9625	68	25,6709	21,2283	108	26,706301	25,719999	148	16,431801	20,007099	188	2,7214	28,5872	
29	11,9306	10,2426	69	25,9112	21,5002	109	26,510201	25,4988	149	16,049601	19,962	189	1,4272	28,5849	
30	12,4297	10,5335	70	26,1455	21,7745	110	26,3248	25,268999	150	15,6629	19,924101	190	0,0083	29,4569	
31	12,9294	10,8268	71	26,3925	22,0389	111	26,1343	25,046	151	15,2761	19,896099	191	0,0026	30,3629	
32	13,4294	11,1234	72	26,619801	22,3169	112	25,938101	24,830999	152	14,889	19,8762	192	-0,0009	31,310699	
33	13,9242	11,4291	73	26,854401	22,5933	113	25,7348	24,6201	153	14,5173	19,871799				
34	14,4171	11,7345	74	27,1008	22,860201	114	25,525499	24,4063	154	14,1451	19,8647				
35	14,9051	12,0545	75	27,3239	23,1476	115	25,3144	24,191601	155	13,7601	19,8745				
36	15,3912	12,3679	76	27,5609	23,4279	116	25,1008	23,992599	156	13,3749	19,886999				
37	15,8695	12,6926	77	27,792101	23,711201	117	24,868799	23,806499	157	12,9856	19,9035				
38	16,347	13,0196	78	28,026501	23,988199	118	24,6611	23,598301	158	12,5995	19,935301				
39	16,8195	13,3494	79	28,2535	24,268801	119	24,431999	23,406601	159	12,2142	19,981899				
40	17,290199	13,6869	80	28,472	24,553499	120	24,197399	23,2339	160	11,829	20,0494				

<b>VDI 36 / Step 3/ Sección A/ Antes de la erosión / Z= -3,55 mm constante</b>															
<b>Punto</b>	<b>X</b>	<b>Y</b>	<b>Punto</b>	<b>X</b>	<b>Y</b>	<b>Punto</b>	<b>X</b>	<b>Y</b>	<b>Punto</b>	<b>X</b>	<b>Y</b>	<b>Punto</b>	<b>X</b>	<b>Y</b>	
1	-0,0009	-2,9391	41	17,565701	13,9141	81	29,396999	25,5044	121	24,390499	23,3755	161	11,8044	20,069599	
2	0,0052	-2,1408	42	18,0217	14,25	82	29,629999	25,8148	122	24,216	23,2409	162	11,3185	20,181801	
3	0,0031	-1,3357	43	18,472	14,5905	83	29,8638	26,123199	123	24,041201	23,1071	163	10,84	20,3218	
4	1,2348	0,0455	44	18,920799	14,9359	84	30,091299	26,436899	124	23,865299	22,9774	164	10,3736	20,4853	
5	2,1598	0,0466	45	19,3696	15,2887	85	29,826099	26,4562	125	23,686701	22,851	165	9,9145	20,6765	
6	3,0902	0,0483	46	19,813801	15,6453	86	29,438801	26,4254	126	23,505199	22,724501	166	9,4688	20,893	
7	4,727	0,909	47	20,2696	16,0166	87	29,262199	26,4107	127	23,3225	22,6008	167	9,0334	21,1381	
8	4,7308	1,479	48	20,567801	16,264299	88	29,158001	26,403099	128	23,135799	22,4797	168	8,608	21,4063	
9	4,7707	2,0474	49	20,864901	16,5142	89	29,0546	26,3939	129	22,947701	22,3613	169	8,203	21,695801	
10	4,8442	2,6129	50	21,159901	16,767099	90	28,9513	26,385201	130	22,761	22,2449	170	7,8179	22,005699	
11	4,953	3,1722	51	21,451401	17,0214	91	28,846201	26,3769	131	22,572399	22,1311	171	7,4519	22,3393	
12	5,1014	3,7255	52	21,7407	17,2763	92	28,742201	26,367701	132	22,3811	22,019501	172	7,1051	22,691401	
13	5,2858	4,2656	53	22,0303	17,5343	93	28,638599	26,357401	133	22,186501	21,9112	173	6,776	23,0623	
14	5,5046	4,7961	54	22,3197	17,7932	94	28,535299	26,3508	134	21,991199	21,804001	174	6,4697	23,453501	
15	5,7583	5,3106	55	22,6052	18,056101	95	28,430401	26,3421	135	21,7952	21,7003	175	6,1851	23,862301	
16	6,0437	5,8047	56	22,8899	18,3197	96	28,3265	26,333099	136	21,5984	21,600901	176	5,9242	24,2866	
17	6,3606	6,2797	57	23,172199	18,587799	97	28,2229	26,323601	137	21,4023	21,503	177	5,6885	24,7246	
18	6,7093	6,7336	58	23,4541	18,8554	98	28,120001	26,315399	138	21,203699	21,4079	178	5,4792	25,174	
19	7,0878	7,1623	59	23,7335	19,124901	99	28,015301	26,307699	139	21,003099	21,315901	179	5,2959	25,6325	
20	7,4953	7,5695	60	24,0114	19,3962	100	27,911501	26,297501	140	20,802099	21,2264	180	5,1364	26,1026	
21	7,9258	7,9462	61	24,284599	19,6681	101	27,8074	26,289	141	20,599001	21,140699	181	5,004	26,5832	
22	8,3802	8,2948	62	24,5567	19,9429	102	27,702499	26,2817	142	20,3936	21,054899	182	4,9023	27,065599	
23	8,8545	8,61	63	24,829201	20,2211	103	27,5979	26,2724	143	20,187599	20,9744	183	4,8255	27,551001	
24	9,3472	8,8942	64	25,100201	20,501699	104	27,495899	26,265301	144	19,981501	20,8953	184	4,7799	28,003799	
25	9,8558	9,1528	65	25,368601	20,7829	105	26,9102	25,8421	145	19,6089	20,762699	185	3,5726	28,6096	
26	10,3594	9,4143	66	25,6346	21,0662	106	26,7666	25,673599	146	19,1355	20,6087	186	2,451	28,6127	
27	10,8584	9,6808	67	25,898701	21,349701	107	26,623199	25,505501	147	18,6609	20,4669	187	1,3237	28,6131	
28	11,3566	9,9532	68	26,1598	21,634899	108	26,4767	25,340599	148	18,178101	20,3403	188	0,0034	29,7721	
29	11,8528	10,2302	69	26,4195	21,920799	109	26,3293	25,1763	149	17,6915	20,2321	189	0,0023	30,373501	
30	12,348	10,5118	70	26,6777	22,2103	110	26,179001	25,0142	150	17,2038	20,135099	190	0,0053	30,983601	
31	12,8369	10,7999	71	26,9335	22,500799	111	26,0271	24,8528	151	16,7132	20,054701				
32	13,3213	11,0887	72	27,1887	22,792601	112	25,871201	24,697201	152	16,222	19,989201				
33	13,8019	11,3817	73	27,4429	23,089199	113	25,715	24,540199	153	15,7261	19,9408				
34	14,2852	11,6843	74	27,6957	23,3855	114	25,5546	24,3878	154	15,2606	19,909				
35	14,763	11,9895	75	27,944401	23,6831	115	25,395599	24,2348	155	14,7739	19,8857				
36	15,2385	12,3	76	28,189899	23,9841	116	25,232401	24,0854	156	14,2786	19,879299				
37	15,7097	12,6138	77	28,4356	24,2827	117	25,0669	23,938499	157	13,7841	19,8869				
38	16,177299	12,9309	78	28,6777	24,584499	118	24,898899	23,7943	158	13,2861	19,9034				
39	16,6458	13,2553	79	28,9196	24,889099	119	24,731501	23,6514	159	12,7907	19,930099				
40	17,107401	13,583	80	29,1595	25,195499	120	24,560801	23,511499	160	12,2957	19,985701				

<i>VDI 36 / Step 3/ Sección A/ Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7206	0,7688	35	14,6243	11,9093	69	26,375799	22,3813	103	23,7223	22,8549	137	12,0927	19,9193
2	4,7223	1,2281	36	15,0115	12,1666	70	26,684299	22,723801	104	23,425301	22,6483	138	11,7277	19,9834
3	4,7406	1,6975	37	15,3913	12,4312	71	26,983299	23,0758	105	23,127501	22,446301	139	11,3722	20,065001
4	4,7788	2,1658	38	15,7736	12,6957	72	27,2777	23,435699	106	22,818001	22,2582	140	11,0187	20,167801
5	4,8464	2,6324	39	16,1549	12,9615	73	27,581699	23,791599	107	22,509899	22,071199	141	10,6726	20,2896
6	4,9371	3,0949	40	16,530701	13,2341	74	27,8773	24,149599	108	22,1922	21,902	142	10,3291	20,415199
7	5,0531	3,5495	41	16,911699	13,5095	75	28,1674	24,5051	109	21,877001	21,719299	143	9,992	20,555
8	5,1936	3,9971	42	17,288	13,7862	76	28,480499	24,845699	110	21,5518	21,5518	144	9,6624	20,7197
9	5,3599	4,4363	43	17,6544	14,071	77	28,7931	25,188801	111	21,224501	21,3929	145	9,3453	20,899799
10	5,5473	4,8678	44	18,022499	14,3555	78	29,0888	25,545799	112	20,886299	21,2633	146	9,029	21,083099
11	5,7589	5,2849	45	18,3848	14,6482	79	29,3454	25,934799	113	20,5534	21,118299	147	8,7174	21,282301
12	5,9898	5,6933	46	18,7484	14,941	80	29,505301	26,3941	114	20,220699	20,9811	148	8,4184	21,490601
13	6,2434	6,0913	47	19,105101	15,2356	81	29,535601	26,063101	115	19,882401	20,8514	149	8,1238	21,7078
14	6,5201	6,4701	48	19,463499	15,5315	82	29,3155	26,0945	116	19,541401	20,7283	150	7,8486	21,9429
15	6,8132	6,8389	49	19,818501	15,8298	83	29,095501	26,1061	117	19,1978	20,6117	151	7,5798	22,1845
16	7,1298	7,1825	50	20,1719	16,129	84	28,878401	26,0938	118	18,8461	20,5109	152	7,3146	22,432199
17	7,4657	7,5194	51	20,5214	16,436199	85	28,6619	26,063499	119	18,491301	20,4154	153	7,0604	22,698601
18	7,8195	7,8336	52	20,8668	16,750099	86	28,445101	26,0186	120	18,137501	20,328501	154	6,8296	22,9811
19	8,1882	8,1289	53	21,209499	17,0667	87	28,230101	25,966299	121	17,7897	20,229799	155	6,6016	23,2661
20	8,5717	8,4029	54	21,5536	17,377701	88	28,013901	25,920601	122	17,437401	20,153601	156	6,3731	23,552099
21	8,9665	8,6551	55	21,8916	17,6954	89	27,7983	25,8694	123	17,0865	20,086901	157	6,165	23,8498
22	9,3753	8,8838	56	22,2304	18,0124	90	27,582399	25,810499	124	16,7307	20,024599	158	5,9748	24,160299
23	9,7958	9,098	57	22,5655	18,3312	91	27,013901	25,7255	125	16,373199	19,9716	159	5,7916	24,475
24	10,2123	9,3119	58	22,891199	18,6612	92	26,715099	25,498899	126	16,0145	19,9249	160	5,6261	24,7967
25	10,6252	9,5283	59	23,209	19,005301	93	26,439899	25,2582	127	15,661	19,8869	161	5,4797	25,1266
26	11,03	9,7498	60	23,527	19,3452	94	26,1726	25,0105	128	15,3223	19,8573	162	5,3496	25,463699
27	11,4388	9,9737	61	23,854401	19,6693	95	25,913401	24,759399	129	14,9847	19,8316	163	5,2254	25,804899
28	11,8428	10,1995	62	24,1702	20,003099	96	25,645	24,5075	130	14,6262	19,8146	164	5,1151	26,148399
29	12,249	10,428	63	24,481701	20,343201	97	25,3918	24,2507	131	14,2662	19,805	165	5,0183	26,497499
30	12,6522	10,6691	64	24,8029	20,677799	98	25,1273	24,0028	132	13,9045	19,8085	166	4,9367	26,8517
31	13,0481	10,9126	65	25,118999	21,017599	99	24,860701	23,755899	133	13,5493	19,8239	167	4,8708	27,2071
32	13,4419	11,1542	66	25,4387	21,3556	100	24,5861	23,516199	134	13,1889	19,8276	168	4,8191	27,562799
33	13,8378	11,403	67	25,752199	21,7006	101	24,303499	23,289	135	12,8271	19,8367	169	4,7847	27,9
34	14,2352	11,6525	68	26,066	22,0387	102	24,0151	23,067301	136	12,4595	19,875999	170	4,7632	28,2244

VDI 36 / Step 3/ Sección B/ Antes de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0008	-2,8451	41	18,756701	14,7977	81	29,306999	25,3794	121	23,742701	22,878099	161	10,6132	20,382
2	0,0024	-1,8745	42	19,2407	15,1738	82	29,511101	25,646	122	23,5182	22,723	162	10,1988	20,540199
3	-0,0035	-0,9049	43	19,719999	15,5574	83	29,712	25,9133	123	23,2925	22,567499	163	9,7931	20,714199
4	1,0942	0,0349	44	20,192101	15,9423	84	29,9125	26,179399	124	23,060699	22,4175	164	9,3992	20,913799
5	2,2466	0,0358	45	20,661301	16,332701	85	30,107	26,4506	125	22,826099	22,2721	165	9,0135	21,131701
6	3,4009	0,0353	46	21,125799	16,7281	86	29,8526	26,440001	126	22,5921	22,129299	166	8,6353	21,370701
7	4,7237	0,9296	47	21,539801	17,0865	87	29,490499	26,415701	127	22,3526	21,993799	167	8,2743	21,625999
8	4,7312	1,5402	48	21,788	17,3062	88	29,3701	26,4042	128	22,1122	21,856899	168	7,9293	21,8972
9	4,7777	2,1522	49	22,0392	17,5294	89	29,247499	26,393801	129	21,868099	21,726801	169	7,5957	22,187099
10	4,8677	2,758	50	22,286699	17,7551	90	29,124399	26,385401	130	21,622999	21,6007	170	7,2784	22,4902
11	4,9986	3,3574	51	22,534201	17,9799	91	29,0019	26,373899	131	21,3794	21,4785	171	6,9785	22,811199
12	5,1732	3,9462	52	22,7794	18,2068	92	28,880199	26,364799	132	21,1313	21,3626	172	6,6928	23,144899
13	5,3866	4,5229	53	23,0238	18,435801	93	28,756599	26,353901	133	20,8825	21,249201	173	6,425	23,4958
14	5,644	5,0849	54	23,266701	18,665701	94	28,6346	26,344999	134	20,629801	21,141899	174	6,1731	23,8608
15	5,9374	5,623	55	23,5105	18,899099	95	28,511999	26,334	135	20,3752	21,035	175	5,9426	24,2384
16	6,2668	6,1376	56	23,7502	19,131599	96	28,388	26,322901	136	20,119301	20,936399	176	5,7288	24,624399
17	6,6325	6,6319	57	23,9897	19,366699	97	28,266001	26,3134	137	19,8605	20,838499	177	5,5367	25,020201
18	7,0328	7,0978	58	24,226101	19,601	98	28,1434	26,3022	138	19,6043	20,7484	178	5,3655	25,424801
19	7,4678	7,5343	59	24,463301	19,838301	99	28,0203	26,294001	139	19,344	20,661501	179	5,2151	25,838301
20	7,931	7,9417	60	24,697001	20,0746	100	27,897499	26,283001	140	19,083099	20,5786	180	5,0854	26,257099
21	8,421	8,3125	61	24,9314	20,3172	101	27,774401	26,271999	141	18,8195	20,499399	181	4,9746	26,683701
22	8,9318	8,6461	62	25,1651	20,557301	102	27,6516	26,261299	142	18,5553	20,424101	182	4,8874	27,1127
23	9,4665	8,9424	63	25,397301	20,802299	103	27,528999	26,251499	143	18,2892	20,356501	183	4,8225	27,541901
24	10,0131	9,2214	64	25,625601	21,045	104	27,406099	26,242901	144	18,019699	20,291901	184	4,7813	27,948099
25	10,5526	9,5046	65	25,854601	21,2904	105	26,9368	25,867399	145	17,567499	20,190901	185	4,08	28,5944
26	11,0902	9,7962	66	26,079	21,5355	106	26,7598	25,654699	146	17,135401	20,1085	186	2,6024	28,5972
27	11,6243	10,092	67	26,303301	21,7826	107	26,580601	25,448299	147	16,6985	20,040199	187	1,1176	28,599701
28	12,1604	10,3933	68	26,527	22,0308	108	26,398701	25,243	148	16,2628	19,9827	188	0,004	29,335501
29	12,6905	10,7001	69	26,748899	22,2785	109	26,2124	25,0406	149	15,8226	19,934299	189	-0,0021	30,326401
30	13,213	11,0125	70	26,9694	22,529301	110	26,024401	24,841299	150	15,4007	19,9018	190	0,0017	31,3214
31	13,7321	11,328	71	27,1894	22,782101	111	25,832199	24,647301	151	14,9811	19,8778			
32	14,2522	11,6516	72	27,4081	23,0366	112	25,636	24,453199	152	14,5377	19,866899			
33	14,7682	11,9804	73	27,6269	23,293501	113	25,438801	24,262899	153	14,0983	19,866301			
34	15,2797	12,3145	74	27,8424	23,5488	114	25,2362	24,0781	154	13,6564	19,878901			
35	15,7862	12,6527	75	28,056499	23,8078	115	25,030899	23,8948	155	13,2121	19,891399			
36	16,2897	12,9982	76	28,2677	24,065201	116	24,8211	23,7162	156	12,7723	19,9184			
37	16,7945	13,3496	77	28,478901	24,3263	117	24,6105	23,541201	157	12,3333	19,9678			
38	17,2906	13,7028	78	28,688601	24,585199	118	24,3985	23,3706	158	11,8948	20,0345			
39	17,782101	14,0617	79	28,8953	24,848301	119	24,1831	23,201799	159	11,4619	20,131599			
40	18,2712	14,4254	80	29,1028	25,110701	120	23,9638	23,038099	160	11,0461	20,243099			

<i>VDI 36 / Step 3/ Sección B/ Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7144	0,4318	36	14,8878	12,0785	71	27,011499	23,080999	106	23,2115	22,4935	141	11,3938	20,050301
2	4,7171	0,8967	37	15,277	12,3409	72	27,308701	23,444901	107	22,9091	22,305599	142	11,0214	20,1563
3	4,7213	1,3686	38	15,6639	12,6072	73	27,606501	23,812	108	22,610701	22,119301	143	10,7118	20,265301
4	4,7476	1,8443	39	16,0473	12,8756	74	27,8997	24,1766	109	22,305599	21,9433	144	10,3757	20,3881
5	4,7979	2,3169	40	16,4245	13,1543	75	28,204201	24,5273	110	21,997	21,7707	145	10,0451	20,524401
6	4,8728	2,7867	41	16,813	13,4252	76	28,5233	24,8703	111	21,6782	21,611799	146	9,7247	20,6814
7	4,975	3,249	42	17,190599	13,7087	77	28,831301	25,2243	112	21,359501	21,449301	147	9,4065	20,8505
8	5,0996	3,7077	43	17,562799	13,9972	78	29,129	25,584499	113	21,036301	21,3016	148	9,103	21,037701
9	5,2547	4,1574	44	17,933001	14,2879	79	29,3771	25,988001	114	20,7115	21,1604	149	8,7928	21,2215
10	5,4293	4,5993	45	18,3039	14,5788	80	29,518299	26,4664	115	20,3873	21,016001	150	8,5044	21,430901
11	5,6292	5,029	46	18,6726	14,8684	81	29,8883	25,937401	116	20,0502	20,9076	151	8,2175	21,641899
12	5,8547	5,4469	47	19,040199	15,1627	82	29,612	26,0369	117	19,7258	20,767099	152	7,9417	21,863899
13	6,0958	5,858	48	19,400801	15,4628	83	29,3428	26,09	118	19,388201	20,6528	153	7,6751	22,0949
14	6,358	6,2529	49	19,7591	15,7655	84	29,0749	26,101601	119	19,0494	20,544201	154	7,414	22,334
15	6,6456	6,6313	50	20,113199	16,0695	85	28,810101	26,0784	120	18,703501	20,4438	155	7,1503	22,581499
16	6,9552	6,9906	51	20,459	16,388599	86	28,5466	26,030899	121	18,358	20,351999	156	6,9187	22,8512
17	7,2852	7,3338	52	20,806601	16,7073	87	28,285299	25,9751	122	18,014299	20,267099	157	6,6902	23,1266
18	7,6353	7,6668	53	21,1548	17,023399	88	28,0229	25,91	123	17,672001	20,1908	158	6,4632	23,401899
19	8,0012	7,9741	54	21,5042	17,337601	89	27,758499	25,8431	124	17,326799	20,1259	159	6,2494	23,688
20	8,3817	8,2617	55	21,8442	17,661699	90	27,4984	25,7721	125	16,9832	20,061701	160	6,0633	23,989901
21	8,7754	8,5267	56	22,1833	17,9842	91	27,336901	25,909599	126	16,634001	20,003201	161	5,8894	24,301399
22	9,1839	8,7699	57	22,5252	18,3029	92	27,0098	25,708099	127	16,2848	19,947001	162	5,7081	24,607
23	9,6061	8,9919	58	22,8475	18,642599	93	26,7096	25,490801	128	15,9354	19,906799	163	5,556	24,926201
24	10,0283	9,2077	59	23,186199	18,973	94	26,444201	25,254	129	15,5889	19,8657	164	5,4282	25,254299
25	10,4448	9,4258	60	23,5112	19,3141	95	26,173599	25,0194	130	15,2565	19,841101	165	5,3011	25,583
26	10,8595	9,6474	61	23,8398	19,643801	96	25,924601	24,769899	131	14,9246	19,821699	166	5,1839	25,919901
27	11,2723	9,8726	62	24,164	19,974501	97	25,659401	24,523199	132	14,575	19,808599	167	5,0778	26,256901
28	11,6818	10,0971	63	24,481899	20,317499	98	25,4172	24,270201	133	14,2239	19,811001	168	4,9863	26,6001
29	12,0901	10,3284	64	24,8002	20,662001	99	25,159599	24,027399	134	13,8605	19,796101	169	4,9128	26,946501
30	12,5003	10,5684	65	25,1131	21,011	100	24,902	23,784	135	13,5209	19,805401	170	4,8524	27,2964
31	12,9064	10,8072	66	25,433901	21,3557	101	24,634701	23,544399	136	13,1666	19,813	171	4,7986	27,7048
32	13,3051	11,0551	67	25,7568	21,696501	102	24,362301	23,318399	137	12,8112	19,829399	172	4,7714	28,017099
33	13,702	11,3049	68	26,0732	22,040001	103	24,0793	23,1007	138	12,4552	19,8615			
34	14,1024	11,5588	69	26,3934	22,3815	104	23,794701	22,8913	139	12,102	19,900101			
35	14,4964	11,819	70	26,7048	22,727301	105	23,5007	22,694799	140	11,7441	19,970699			

<i>VDI 36 / Step 3/ Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0112	-3,0589	41	17,756399	14,0316	81	28,826099	24,750601	121	24,010599	23,0618	161	11,4287	20,125299	
2	0,0003	-2,1435	42	18,220699	14,3775	82	29,0499	25,0364	122	23,7726	22,888599	162	11,0428	20,2313	
3	-0,0039	-1,2195	43	18,6826	14,7281	83	29,2724	25,324699	123	23,533899	22,7223	163	10,674	20,35	
4	0,9167	0,0204	44	19,141001	15,0866	84	29,4944	25,614201	124	23,290199	22,557301	164	10,3018	20,484699	
5	2,1514	0,0223	45	19,5973	15,4496	85	29,7115	25,9048	125	23,0424	22,394699	165	9,9406	20,6362	
6	3,3892	0,0228	46	20,0473	15,8151	86	29,9282	26,193899	126	22,7911	22,239	166	9,5835	20,804199	
7	4,7196	0,6944	47	20,214899	15,9487	87	30,0557	26,434401	127	22,5389	22,0881	167	9,2347	20,989901	
8	4,7216	1,2744	48	20,493	16,179701	88	29,9132	26,428699	128	22,283199	21,940701	168	8,8923	21,190201	
9	4,7477	1,8564	49	20,769501	16,414101	89	29,770201	26,421301	129	22,0236	21,797501	169	8,5607	21,4074	
10	4,8136	2,4378	50	21,0469	16,650499	90	29,628901	26,4118	130	21,7642	21,6597	170	8,2394	21,635201	
11	4,9177	3,0116	51	21,3214	16,8857	91	29,487801	26,4035	131	21,5014	21,528	171	7,9314	21,880301	
12	5,0588	3,5791	52	21,594999	17,122601	92	29,345699	26,390301	132	21,238701	21,4007	172	7,634	22,136499	
13	5,2394	4,1354	53	21,864799	17,3636	93	29,204201	26,377399	133	20,9715	21,2785	173	7,3493	22,406099	
14	5,4557	4,6803	54	22,1355	17,6054	94	29,062599	26,3661	134	20,701799	21,160801	174	7,0756	22,687401	
15	5,7115	5,2104	55	22,402201	17,850401	95	28,9214	26,356199	135	20,430401	21,0457	175	6,8164	22,9816	
16	5,9979	5,7178	56	22,670401	18,0954	96	28,7794	26,344101	136	20,1556	20,938499	176	6,5697	23,2866	
17	6,3178	6,205	57	22,935801	18,342199	97	28,6371	26,3321	137	19,8799	20,8337	177	6,3346	23,6059	
18	6,6705	6,6705	58	23,201401	18,5937	98	28,495199	26,319	138	19,6029	20,736099	178	6,1146	23,933901	
19	7,0549	7,1125	59	23,464001	18,844299	99	28,3526	26,308399	139	19,325899	20,6439	179	5,9108	24,271799	
20	7,4686	7,5265	60	23,7246	19,095501	100	28,211599	26,2945	140	19,0455	20,552799	180	5,7213	24,618	
21	7,9126	7,9145	61	23,9823	19,348801	101	28,069	26,283501	141	18,7642	20,4723	181	5,5502	24,9716	
22	8,3749	8,2704	62	24,240499	19,603701	102	27,9266	26,271999	142	18,479401	20,392099	182	5,3947	25,330999	
23	8,861	8,5893	63	24,496401	19,861799	103	27,7841	26,259199	143	18,192499	20,320299	183	5,2556	25,697001	
24	9,3639	8,8772	64	24,750601	20,120199	104	27,6425	26,248899	144	17,9041	20,250601	184	5,1325	26,070801	
25	9,8834	9,1434	65	25,004999	20,3818	105	27,499701	26,2377	145	17,6173	20,190599	185	5,0248	26,4482	
26	10,3977	9,4112	66	25,257401	20,644699	106	27,3601	26,2267	146	17,327299	20,133101	186	4,9371	26,8323	
27	10,9073	9,6833	67	25,507299	20,909201	107	26,9746	25,900999	147	16,8647	20,0508	187	4,0389	28,581499	
28	11,4152	9,9624	68	25,754999	21,173401	108	26,784901	25,674299	148	16,4778	19,995501	188	2,747	28,5846	
29	11,9247	10,2468	69	26,001801	21,441099	109	26,592699	25,4517	149	16,0877	19,948999	189	1,4501	28,586599	
30	12,4303	10,5383	70	26,2446	21,707199	110	26,398001	25,2321	150	15,6942	19,9116	190	-0,0006	29,413799	
31	12,9293	10,8314	71	26,4879	21,976299	111	26,1994	25,016001	151	15,3286	19,883801	191	-0,0039	30,359301	
32	13,4235	11,1271	72	26,727301	22,245501	112	25,996799	24,802401	152	14,9539	19,8652	192	-0,0033	31,3097	
33	13,9174	11,4295	73	26,967199	22,517099	113	25,789499	24,5942	153	14,5592	19,8552				
34	14,4095	11,7402	74	27,2052	22,7917	114	25,580099	24,3869	154	14,1667	19,8531				
35	14,8985	12,0551	75	27,443899	23,0686	115	25,364401	24,1859	155	13,7721	19,8612				
36	15,3816	12,3725	76	27,6803	23,345501	116	25,1472	23,9886	156	13,3774	19,873699				
37	15,861	12,6938	77	27,912901	23,6234	117	24,9266	23,7936	157	12,9861	19,8904				
38	16,342501	13,0217	78	28,143101	23,904699	118	24,7017	23,6036	158	12,595	19,921				
39	16,818199	13,357	79	28,3727	24,184401	119	24,473301	23,419399	159	12,2034	19,971399				
40	17,2889	13,6922	80	28,6	24,4669	120	24,2435	23,238701	160	11,8161	20,040199				



<i>VDI 36 / Step 3/ Sección C/ Después de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	4,7085	0,2325	35	14,4282	11,7609	69	26,4196	22,4158	103	23,629101	22,823601	137	12,0058	19,903	
2	4,7136	0,7018	36	14,8258	12,0222	70	26,732901	22,7668	104	23,359501	22,5851	138	11,6409	19,9786	
3	4,7159	1,2	37	15,2181	12,2854	71	27,031601	23,132	105	23,059099	22,382299	139	11,2847	20,0688	
4	4,733	1,6571	38	15,6081	12,5544	72	27,332399	23,498899	106	22,7505	22,1917	140	10,9329	20,1796	
5	4,7721	2,1304	39	15,9941	12,8273	73	27,6392	23,861601	107	22,438801	22,0116	141	10,5856	20,2987	
6	4,8417	2,6043	40	16,377001	13,1052	74	27,951599	24,217501	108	22,1248	21,835699	142	10,2433	20,4284	
7	4,9348	3,0734	41	16,768999	13,3793	75	28,2481	24,5797	109	21,8053	21,658501	143	9,9092	20,5797	
8	5,0496	3,5366	42	17,1451	13,6679	76	28,5616	24,931299	110	21,4757	21,492701	144	9,5831	20,746	
9	5,1969	3,9908	43	17,5247	13,9545	77	28,882	25,2805	111	21,1387	21,355499	145	9,2656	20,929701	
10	5,3649	4,4395	44	17,902901	14,2408	78	29,175699	25,648199	112	20,8169	21,187	146	8,9527	21,122101	
11	5,5533	4,8762	45	18,2773	14,532	79	29,4051	26,070999	113	20,482201	21,044201	147	8,6448	21,319	
12	5,7716	5,299	46	18,647301	14,8273	80	29,524	26,571699	114	20,145901	20,912201	148	8,3478	21,5317	
13	6,0083	5,7156	47	19,012899	15,1296	81	29,7812	25,9527	115	19,806801	20,7854	149	8,0593	21,7549	
14	6,2704	6,118	48	19,3769	15,431	82	29,5168	26,031401	116	19,4622	20,666401	150	7,7768	21,982201	
15	6,5528	6,5027	49	19,7344	15,7402	83	29,2598	26,0711	117	19,114	20,5553	151	7,5119	22,226101	
16	6,8556	6,8697	50	20,0938	16,0457	84	29,006001	26,0774	118	18,7621	20,449499	152	7,2561	22,4932	
17	7,1792	7,2184	51	20,4498	16,357401	85	28,752701	26,0576	119	18,4081	20,352301	153	6,9973	22,745501	
18	7,5265	7,5596	52	20,799601	16,680799	86	28,500799	26,0105	120	18,055799	20,264799	154	6,7603	23,0226	
19	7,8893	7,8729	53	21,153299	16,9963	87	28,2516	25,9517	121	17,704	20,188499	155	6,5269	23,3055	
20	8,2676	8,17	54	21,5082	17,3109	88	28,000999	25,8943	122	17,3515	20,121401	156	6,3104	23,600201	
21	8,6625	8,444	55	21,8522	17,6364	89	27,749701	25,8169	123	17,0007	20,055201	157	6,1177	23,9072	
22	9,0682	8,695	56	22,182699	17,974199	90	27,5016	25,747999	124	16,645399	19,988899	158	5,9222	24,2124	
23	9,4876	8,922	57	22,523001	18,3001	91	26,9044	25,699301	125	16,286501	19,9405	159	5,7496	24,5329	
24	9,9162	9,1393	58	22,8577	18,634501	92	26,642099	25,441799	126	15,9293	19,8951	160	5,5937	24,8591	
25	10,3363	9,3572	59	23,2034	18,9629	93	26,379801	25,189301	127	15,5756	19,860201	161	5,4429	25,185801	
26	10,7541	9,5808	60	23,539801	19,2983	94	26,1078	24,945101	128	15,2341	19,838499	162	5,3141	25,5222	
27	11,1713	9,8057	61	23,868	19,634501	95	25,8465	24,695299	129	14,8932	19,805799	163	5,1916	25,863001	
28	11,5851	10,0344	62	24,192699	19,967199	96	25,5819	24,442801	130	14,5362	19,818199	164	5,0847	26,2078	
29	11,9963	10,2659	63	24,5084	20,319599	97	25,336399	24,181299	131	14,1691	19,7866	165	4,9899	26,558599	
30	12,41	10,5063	64	24,816601	20,680401	98	25,074499	23,929899	132	13,8158	19,787701	166	4,9138	26,912901	
31	12,8247	10,7454	65	25,132601	21,0305	99	24,804199	23,683701	133	13,4532	19,801399	167	4,8519	27,267401	
32	13,2259	10,9967	66	25,457899	21,374599	100	24,4951	23,4863	134	13,0923	19,809	168	4,8019	27,6217	
33	13,625	11,2469	67	25,792299	21,7134	101	24,2127	23,259501	135	12,7289	19,826599	169	4,7725	27,9559	
34	14,0308	11,4981	68	26,1096	22,061501	102	23,9263	23,0355	136	12,3662	19,862499	170	4,7537	28,284	

VDI 36 / Step 4/ Sección A/ Antes de la erosión / Z= -3,55 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0004	-2,9219	41	17,5889	13,9132	81	29,405701	25,5154	121	24,4044	23,3811	161	11,8077	20,0508	
2	-0,0001	-2,1251	42	18,0445	14,2509	82	29,640301	25,8276	122	24,229	23,2463	162	11,3215	20,164101	
3	0,0018	-1,3212	43	18,498501	14,5935	83	29,8731	26,1399	123	24,053301	23,1119	163	10,8425	20,3018	
4	1,2348	-0,0269	44	18,944201	14,9363	84	30,1026	26,452101	124	23,875299	22,9802	164	10,3692	20,4683	
5	2,1622	-0,0373	45	19,388901	15,2876	85	29,8188	26,458799	125	23,6931	22,849501	165	9,9087	20,662399	
6	3,0904	-0,0393	46	19,833	15,6433	86	29,4317	26,431801	126	23,511299	22,722401	166	9,4602	20,881701	
7	4,7609	0,924	47	20,2894	16,0175	87	29,250601	26,4167	127	23,3262	22,596399	167	9,0258	21,124599	
8	4,7797	1,4911	48	20,5902	16,268101	88	29,1458	26,407499	128	23,143101	22,4757	168	8,6066	21,3915	
9	4,8264	2,0578	49	20,8862	16,5189	89	29,040701	26,3995	129	22,9569	22,3573	169	8,2031	21,6817	
10	4,9075	2,6159	50	21,182699	16,7715	90	28,9375	26,390301	130	22,7687	22,2425	170	7,8157	21,9953	
11	5,0239	3,1697	51	21,4746	17,0271	91	28,8332	26,382	131	22,580099	22,128	171	7,4433	22,3319	
12	5,1695	3,7191	52	21,763901	17,281	92	28,7297	26,3722	132	22,3894	22,0173	172	7,0902	22,690901	
13	5,3538	4,2551	53	22,0527	17,5389	93	28,6252	26,363001	133	22,1959	21,9091	173	6,7614	23,064301	
14	5,5732	4,7784	54	22,340401	17,798901	94	28,521799	26,3547	134	22,003099	21,8043	174	6,457	23,4571	
15	5,8326	5,2819	55	22,6245	18,060301	95	28,4174	26,3465	135	21,8076	21,7013	175	6,174	23,864599	
16	6,1099	5,7791	56	22,9093	18,323999	96	28,313499	26,3379	136	21,6117	21,601999	176	5,9153	24,288401	
17	6,4008	6,2733	57	23,1917	18,591299	97	28,209101	26,3297	137	21,413401	21,502701	177	5,6806	24,7274	
18	6,7527	6,7245	58	23,475599	18,859501	98	28,105101	26,318701	138	21,214199	21,4062	178	5,4678	25,178499	
19	7,1268	7,15	59	23,753201	19,129101	99	28,0016	26,312401	139	21,012199	21,315599	179	5,2841	25,6418	
20	7,5277	7,5486	60	24,0298	19,4	100	27,896099	26,303301	140	20,811199	21,2244	180	5,1285	26,1138	
21	7,9577	7,9241	61	24,302799	19,6721	101	27,792999	26,2934	141	20,6082	21,1367	181	4,9997	26,591	
22	8,4121	8,2704	62	24,5756	19,947001	102	27,688299	26,284599	142	20,4016	21,052299	182	4,8987	27,0769	
23	8,8885	8,5864	63	24,847601	20,2237	103	27,5839	26,2764	143	20,198299	20,9723	183	4,8224	27,5662	
24	9,3819	8,8682	64	25,1173	20,503201	104	27,48	26,2666	144	19,993401	20,892599	184	4,7754	28,037399	
25	9,8894	9,1273	65	25,386299	20,7869	105	26,917101	25,8584	145	19,619801	20,758499	185	3,5832	28,5886	
26	10,3897	9,389	66	25,6523	21,070299	106	26,773399	25,689501	146	19,148001	20,600599	186	2,4564	28,5891	
27	10,8944	9,6568	67	25,917801	21,3559	107	26,6306	25,519699	147	18,6696	20,460699	187	1,335	28,588699	
28	11,3912	9,9291	68	26,178699	21,6437	108	26,4827	25,3531	148	18,1894	20,334801	188	0,0049	29,8002	
29	11,8857	10,2055	69	26,438999	21,930401	109	26,3346	25,188801	149	17,7038	20,2232	189	0,0039	30,388399	
30	12,3761	10,486	70	26,6991	22,217501	110	26,184299	25,026899	150	17,2145	20,127001	190	0,0047	30,995899	
31	12,8648	10,7718	71	26,954201	22,510201	111	26,034401	24,866699	151	16,7204	20,042999				
32	13,3541	11,0632	72	27,208401	22,801701	112	25,879801	24,7094	152	16,225	19,9762				
33	13,8378	11,3586	73	27,459499	23,094801	113	25,7232	24,5516	153	15,7309	19,926201				
34	14,3204	11,6618	74	27,7087	23,3939	114	25,564699	24,3964	154	15,2436	19,891399				
35	14,7959	11,9671	75	27,9596	23,6936	115	25,4044	24,244301	155	14,779	19,8715				
36	15,2718	12,2774	76	28,2055	23,9935	116	25,2435	24,0914	156	14,2845	19,8627				
37	15,7364	12,6084	77	28,449499	24,292101	117	25,0793	23,945601	157	13,789	19,8727				
38	16,203199	12,9288	78	28,690901	24,596001	118	24,9118	23,8011	158	13,2954	19,886299				
39	16,666201	13,2505	79	28,931101	24,9016	119	24,744301	23,6607	159	12,7975	19,910999				
40	17,127501	13,5797	80	29,170601	25,2078	120	24,575199	23,5194	160	12,2996	19,9695				

<i>VDI 36 / Step 4/ Sección A/ Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7583	0,8051	35	14,6398	11,8838	69	26,483101	22,2985	103	23,7132	22,905001	137	12,0904	20,004299
2	4,7662	1,2408	36	15,0222	12,1489	70	26,7859	22,654499	104	23,417299	22,698299	138	11,7315	20,070999
3	4,7959	1,7051	37	15,4136	12,4051	71	27,080299	23,013	105	23,1159	22,495501	139	11,3798	20,155399
4	4,8375	2,1708	38	15,7907	12,677	72	27,3731	23,371	106	22,812401	22,302	140	11,031	20,257299
5	4,9086	2,6306	39	16,1759	12,9388	73	27,667	23,731001	107	22,506201	22,1143	141	10,6837	20,3661
6	4,9978	3,0877	40	16,561001	13,207	74	27,9515	24,0994	108	22,1915	21,9377	142	10,3443	20,494699
7	5,1149	3,5382	41	16,938	13,4832	75	28,254999	24,452	109	21,874201	21,7651	143	10,0095	20,634001
8	5,2555	3,9841	42	17,3132	13,7527	76	28,545401	24,815701	110	21,5508	21,596001	144	9,6797	20,789301
9	5,4195	4,4209	43	17,6784	14,0392	77	28,829399	25,182899	111	21,2183	21,4533	145	9,3576	20,9562
10	5,6086	4,8486	44	18,049	14,3196	78	29,1196	25,544901	112	20,8929	21,296801	146	9,0429	21,1409
11	5,8207	5,2644	45	18,4184	14,603	79	29,388599	25,919001	113	20,560801	21,1527	147	8,7328	21,3326
12	6,0487	5,6696	46	18,789301	14,8914	80	29,568701	26,362	114	20,2325	21,0065	148	8,4358	21,5415
13	6,2713	6,081	47	19,155899	15,183	81	29,513901	26,258801	115	19,8927	20,8885	149	8,1492	21,757999
14	6,5382	6,4653	48	19,5233	15,4727	82	29,296801	26,2616	116	19,552799	20,766001	150	7,8674	21,983
15	6,8354	6,8269	49	19,877501	15,7741	83	29,078699	26,2533	117	19,2099	20,648899	151	7,5973	22,2211
16	7,1466	7,1797	50	20,231199	16,069099	84	28,861	26,2335	118	18,8605	20,5466	152	7,3343	22,473301
17	7,484	7,5092	51	20,5805	16,375601	85	28,643	26,2048	119	18,5123	20,441299	153	7,0815	22,734301
18	7,8358	7,8238	52	20,9408	16,673	86	28,427401	26,167299	120	18,162001	20,347799	154	6,8432	23,007799
19	8,2003	8,1188	53	21,2824	16,99	87	28,212601	26,1378	121	17,808201	20,2682	155	6,6153	23,289499
20	8,5773	8,3963	54	21,6308	17,296499	88	27,993299	26,0986	122	17,4533	20,194099	156	6,398	23,5788
21	8,9699	8,6508	55	21,976999	17,610399	89	27,7785	26,067301	123	17,0994	20,128099	157	6,1922	23,877399
22	9,3758	8,8761	56	22,318899	17,926701	90	27,5658	26,028099	124	16,7381	20,067301	158	6	24,185301
23	9,7913	9,0967	57	22,66	18,240999	91	26,926701	25,816601	125	16,3778	20,0175	159	5,8207	24,4972
24	10,207	9,3092	58	22,9965	18,559999	92	26,6632	25,5623	126	16,0179	19,9697	160	5,6529	24,818199
25	10,6185	9,5278	59	23,329201	18,886499	93	26,4158	25,293301	127	15,654	19,941099	161	5,4965	25,1457
26	11,027	9,7512	60	23,6633	19,2139	94	26,157101	25,036501	128	15,3011	19,915701	162	5,3526	25,4811
27	11,4359	9,9728	61	23,9851	19,549	95	25,9083	24,7764	129	14,9612	19,8972	163	5,2329	25,822599
28	11,8417	10,2021	62	24,3123	19,8787	96	25,6539	24,520599	130	14,6196	19,8759	164	5,1212	26,1661
29	12,2447	10,4342	63	24,6297	20,2176	97	25,395201	24,2726	131	14,2596	19,8769	165	5,0234	26,513599
30	12,648	10,6739	64	24,948299	20,557899	98	25,1294	24,0312	132	13,8987	19,8801	166	4,9424	26,8664
31	13,05	10,9103	65	25,2593	20,901699	99	24,862499	23,786699	133	13,5389	19,8878	167	4,8754	27,219299
32	13,45	11,1502	66	25,570101	21,2456	100	24,5807	23,558201	134	13,1804	19,8957	168	4,8224	27,5758
33	13,8501	11,3855	67	25,878799	21,5916	101	24,302799	23,3258	135	12,8162	19,915001	169	4,7856	27,928699
34	14,2434	11,6385	68	26,184999	21,941	102	24,0149	23,1066	136	12,4506	19,9484	170	4,7629	28,253599

VDI 36 / Step 4/ Sección B/ Antes de la erosión / Z= -2,35 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0014	-2,8731	41	18,751699	14,8011	81	29,2862	25,372	121	23,722401	22,882799	161	10,6506	20,3783	
2	-0,0012	-1,9138	42	19,229799	15,1733	82	29,488701	25,6387	122	23,4963	22,7248	162	10,2362	20,534	
3	0,0004	-0,9434	43	19,708099	15,5553	83	29,691999	25,9086	123	23,268999	22,570499	163	9,8288	20,707899	
4	1,109	-0,0189	44	20,182501	15,9425	84	29,891199	26,1782	124	23,039801	22,4242	164	9,4351	20,9042	
5	2,2626	-0,0287	45	20,654699	16,3344	85	30,090401	26,4457	125	22,808701	22,2789	165	9,0509	21,118299	
6	3,4216	-0,0279	46	21,1208	16,7304	86	29,8533	26,4715	126	22,5755	22,1373	166	8,681	21,3512	
7	4,7588	0,8904	47	21,5313	17,089701	87	29,4909	26,4445	127	22,338301	21,9998	167	8,3209	21,602501	
8	4,7779	1,5015	48	21,7806	17,3095	88	29,366699	26,4363	128	22,0993	21,8692	168	7,9754	21,8699	
9	4,8301	2,1112	49	22,030899	17,532	89	29,243601	26,426399	129	21,858999	21,7395	169	7,6379	22,1598	
10	4,9209	2,7128	50	22,2791	17,756399	90	29,120701	26,4167	130	21,6164	21,615101	170	7,3147	22,467899	
11	5,0543	3,3085	51	22,525101	17,9814	91	28,998199	26,4062	131	21,3715	21,4928	171	7,0102	22,788	
12	5,2205	3,8972	52	22,77	18,207701	92	28,875999	26,3944	132	21,1241	21,375601	172	6,724	23,1213	
13	5,4334	4,4714	53	23,013399	18,434799	93	28,753	26,384701	133	20,873699	21,2654	173	6,4541	23,468	
14	5,69	5,027	54	23,257	18,6654	94	28,6304	26,373199	134	20,623899	21,155001	174	6,2029	23,8288	
15	5,9838	5,5644	55	23,498899	18,8976	95	28,507799	26,365299	135	20,3706	21,0511	175	5,972	24,202	
16	6,2788	6,1076	56	23,7395	19,128201	96	28,384501	26,3536	136	20,1171	20,950899	176	5,7574	24,586201	
17	6,6448	6,6069	57	23,978701	19,362	97	28,2614	26,3447	137	19,8606	20,855101	177	5,5609	24,982401	
18	7,0446	7,071	58	24,2159	19,5966	98	28,137899	26,333599	138	19,603001	20,7631	178	5,3864	25,385	
19	7,4746	7,5096	59	24,4494	19,8321	99	28,014999	26,3241	139	19,343201	20,6766	179	5,231	25,797199	
20	7,9372	7,9153	60	24,684099	20,068899	100	27,891701	26,314199	140	19,0814	20,592699	180	5,1004	26,2178	
21	8,4273	8,2913	61	24,9172	20,309299	101	27,7693	26,3013	141	18,8186	20,5142	181	4,9875	26,643801	
22	8,9414	8,6292	62	25,150801	20,5518	102	27,646299	26,2924	142	18,552999	20,4401	182	4,899	27,0748	
23	9,4786	8,9291	63	25,3818	20,7948	103	27,5243	26,2815	143	18,2906	20,370701	183	4,8298	27,506901	
24	10,024	9,2061	64	25,6122	21,039301	104	27,4011	26,271999	144	18,0252	20,305799	184	4,7842	27,929001	
25	10,5653	9,492	65	25,8652	21,263901	105	26,914301	25,8675	145	17,7571	20,206301	185	4,0987	28,5973	
26	11,1045	9,7818	66	26,0669	21,531099	106	26,7363	25,657	146	17,141899	20,123899	186	2,6171	28,599199	
27	11,638	10,0768	67	26,2922	21,778799	107	26,5555	25,4506	147	16,7038	20,0529	187	1,1382	28,6001	
28	12,1652	10,3755	68	26,515699	22,0268	108	26,373899	25,2444	148	16,2654	19,993799	188	0,0052	29,313499	
29	12,6948	10,681	69	26,738199	22,2752	109	26,1884	25,044201	149	15,8265	19,9461	189	0,0013	30,288	
30	13,2205	10,9939	70	26,958599	22,526501	110	26,000799	24,844601	150	15,3944	19,9119	190	0,0026	31,2824	
31	13,743	11,3117	71	27,1765	22,778299	111	25,8095	24,6507	151	14,9816	19,8892				
32	14,2642	11,6368	72	27,3925	23,0306	112	25,6127	24,4582	152	14,5571	19,876301				
33	14,7771	11,9653	73	27,608999	23,2859	113	25,4144	24,267099	153	14,1182	19,876301				
34	15,2889	12,2984	74	27,826401	23,542999	114	25,2136	24,0811	154	13,6809	19,8862				
35	15,7886	12,6542	75	28,038799	23,8022	115	25,009199	23,9014	155	13,2455	19,8981				
36	16,290001	12,9998	76	28,251801	24,060499	116	24,803499	23,7218	156	12,805	19,9221				
37	16,7883	13,3486	77	28,460501	24,320299	117	24,5952	23,548	157	12,362	19,970301				
38	17,283701	13,7037	78	28,669901	24,5809	118	24,382401	23,3773	158	11,9252	20,039301				
39	17,777901	14,0653	79	28,875099	24,8445	119	24,166	23,210699	159	11,495	20,128099				
40	18,2682	14,4304	80	29,082899	25,107901	120	23,945801	23,045601	160	11,0711	20,2411				

<i>VDI 36 / Step 4/ Sección B/ Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7559	0,4722	36	14,8869	12,0621	71	27,0823	23,0334	106	23,1849	22,549299	141	11,3886	20,1569
2	4,7584	0,9163	37	15,2803	12,3269	72	27,383699	23,390499	107	22,889299	22,356199	142	11,0462	20,250999
3	4,7691	1,3873	38	15,6664	12,5932	73	27,681	23,753099	108	22,5882	22,1772	143	10,7133	20,366899
4	4,8013	1,8586	39	16,0483	12,8675	74	27,9778	24,117599	109	22,2869	21,9953	144	10,3793	20,485701
5	4,8558	2,3261	40	16,4391	13,1358	75	28,2707	24,485701	110	21,9751	21,8276	145	10,0533	20,6264
6	4,9296	2,7892	41	16,825399	13,4077	76	28,5613	24,855301	111	21,661501	21,662201	146	9,7291	20,771299
7	5,0317	3,2475	42	17,202101	13,6886	77	28,854601	25,2213	112	21,336201	21,516399	147	9,4131	20,9333
8	5,1561	3,7028	43	17,5758	13,9682	78	29,145399	25,5886	113	21,0187	21,3619	148	9,1052	21,1105
9	5,3101	4,1473	44	17,9475	14,2554	79	29,402399	25,9786	114	20,697599	21,213499	149	8,8006	21,2943
10	5,4805	4,5872	45	18,325899	14,5338	80	29,571899	26,4342	115	20,3715	21,083099	150	8,5143	21,500401
11	5,6824	5,0146	46	18,698099	14,8288	81	29,8547	26,192499	116	20,046101	20,9512	151	8,2293	21,7045
12	5,9044	5,4276	47	19,0693	15,1226	82	29,583401	26,2526	117	19,7173	20,8235	152	7,9519	21,920601
13	6,1371	5,8377	48	19,4382	15,4187	83	29,314301	26,271099	118	19,380199	20,7078	153	7,6849	22,1504
14	6,373	6,2501	49	19,799601	15,7195	84	29,0495	26,260099	119	19,0422	20,598499	154	7,4267	22,3922
15	6,6561	6,6285	50	20,157301	16,0173	85	28,786501	26,229799	120	18,700701	20,5009	155	7,1755	22,6443
16	6,9637	6,9894	51	20,515699	16,319099	86	28,522301	26,186399	121	18,358299	20,408199	156	6,9375	22,9088
17	7,2887	7,3363	52	20,8759	16,6264	87	28,2577	26,1425	122	18,011999	20,336	157	6,7103	23,176701
18	7,6366	7,6625	53	21,2258	16,9415	88	27,989401	26,1078	123	17,6667	20,261999	158	6,4937	23,4559
19	7,9996	7,9731	54	21,569099	17,2616	89	27,7278	26,063499	124	17,3241	20,1772	159	6,2887	23,7435
20	8,3721	8,2667	55	21,9212	17,5748	90	27,4662	26,027	125	16,9771	20,1133	160	6,0935	24,037901
21	8,7635	8,5313	56	22,268101	17,8925	91	27,174999	26,047199	126	16,624901	20,059799	161	5,9111	24,3393
22	9,1657	8,7765	57	22,6112	18,2131	92	26,8876	25,819799	127	16,270599	20,0126	162	5,7459	24,6502
23	9,5849	9,0005	58	22,9506	18,5373	93	26,636801	25,564301	128	15,9194	19,9757	163	5,5846	24,964399
24	10,0056	9,2168	59	23,291	18,862499	94	26,4009	25,2992	129	15,5646	19,947901	164	5,4395	25,287701
25	10,427	9,4273	60	23,628099	19,195101	95	26,1514	25,044399	130	15,2222	19,914	165	5,3077	25,6182
26	10,8412	9,6526	61	23,9646	19,5229	96	25,8978	24,7976	131	14,8894	19,894501	166	5,1912	25,949301
27	11,252	9,8801	62	24,290001	19,861401	97	25,651699	24,5452	132	14,5516	19,888	167	5,0862	26,285999
28	11,6618	10,1078	63	24,6078	20,205999	98	25,4051	24,2983	133	14,199	19,8895	168	4,9946	26,627001
29	12,0712	10,3428	64	24,930401	20,5485	99	25,148001	24,059601	134	13,848	19,892799	169	4,9196	26,9725
30	12,4835	10,5784	65	25,2479	20,8932	100	24,8801	23,8281	135	13,5011	19,896999	170	4,8592	27,317101
31	12,8894	10,8182	66	25,5665	21,236	101	24,6113	23,595699	136	13,1505	19,9039	171	4,8045	27,7271
32	13,2895	11,0658	67	25,8717	21,5924	102	24,3302	23,3797	137	12,7939	19,924601	172	4,7725	28,061701
33	13,694	11,3042	68	26,177099	21,9499	103	24,0504	23,1646	138	12,4355	19,9564			
34	14,0951	11,5532	69	26,4816	22,309	104	23,7728	22,943399	139	12,0844	20,0128			
35	14,4955	11,8036	70	26,780199	22,674999	105	23,4807	22,7453	140	11,734	20,080099			

<i>VDI 36 / Step 4/ Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0029	-3,0734	41	17,7265	14,0375	81	28,7878	24,747	121	23,9681	23,072901	161	11,4303	20,1569
2	-0,0041	-2,1649	42	18,190901	14,3845	82	29,0138	25,0324	122	23,727699	22,899	162	11,0499	20,2565
3	-0,0011	-1,2429	43	18,651699	14,7354	83	29,235701	25,319901	123	23,486099	22,728701	163	10,68	20,377501
4	0,9031	-0,0074	44	19,1061	15,0891	84	29,455601	25,608101	124	23,243299	22,5651	164	10,3102	20,513399
5	2,1343	-0,0199	45	19,560301	15,4471	85	29,6747	25,899799	125	22,996201	22,4069	165	9,9477	20,6642
6	3,3765	-0,0175	46	20,013201	15,814	86	29,892401	26,191299	126	22,747299	22,2528	166	9,5924	20,832701
7	4,7555	0,6699	47	20,1791	15,9507	87	30,0198	26,487	127	22,4963	22,101601	167	9,2475	21,015301
8	4,7632	1,2511	48	20,458099	16,184401	88	29,874399	26,4823	128	22,2407	21,9582	168	8,9092	21,212
9	4,7984	1,8293	49	20,7395	16,417801	89	29,7321	26,4739	129	21,983999	21,8165	169	8,5841	21,4261
10	4,8669	2,4035	50	21,016199	16,6546	90	29,5902	26,462999	130	21,725901	21,6812	170	8,2651	21,6537
11	4,9687	2,9721	51	21,2913	16,890301	91	29,448099	26,4526	131	21,4646	21,549101	171	7,9567	21,893801
12	5,1105	3,5362	52	21,5632	17,1276	92	29,3064	26,441999	132	21,2003	21,4226	172	7,6596	22,1499
13	5,2832	4,0909	53	21,8325	17,3659	93	29,165501	26,430799	133	20,9314	21,299999	173	7,3717	22,419701
14	5,4954	4,6298	54	22,1022	17,6094	94	29,023701	26,4186	134	20,6644	21,1835	174	7,0936	22,7038
15	5,7491	5,1543	55	22,370501	17,8519	95	28,882799	26,406401	135	20,3899	21,070801	175	6,8346	22,9965
16	6,0311	5,6621	56	22,6374	18,096701	96	28,740601	26,3946	136	20,120899	20,9636	176	6,5917	23,300301
17	6,3165	6,1761	57	22,9025	18,3421	97	28,599501	26,3834	137	19,8456	20,8613	177	6,3578	23,614599
18	6,6669	6,6458	58	23,1667	18,5923	98	28,457199	26,3713	138	19,568399	20,7635	178	6,138	23,936501
19	7,0473	7,0862	59	23,431	18,8435	99	28,315001	26,359699	139	19,2904	20,669399	179	5,9363	24,269899
20	7,4535	7,5009	60	23,6905	19,0942	100	28,1726	26,3473	140	19,01	20,5816	180	5,7465	24,613001
21	7,8904	7,8917	61	23,949699	19,347601	101	28,030701	26,335899	141	18,729	20,498501	181	5,5713	24,966101
22	8,3549	8,2509	62	24,207199	19,602699	102	27,8892	26,3246	142	18,443501	20,421	182	5,4138	25,3237
23	8,8393	8,5785	63	24,4625	19,8559	103	27,7479	26,3102	143	18,1604	20,3496	183	5,2718	25,688101
24	9,3448	8,8691	64	24,7146	20,1157	104	27,6047	26,299801	144	17,8755	20,2838	184	5,1478	26,0611
25	9,8633	9,1361	65	24,969999	20,376301	105	27,4639	26,288	145	17,5909	20,2218	185	5,0394	26,4366
26	10,3759	9,402	66	25,2234	20,637501	106	27,3235	26,2756	146	17,302799	20,1646	186	4,9485	26,815599
27	10,8896	9,6759	67	25,472799	20,903601	107	26,931601	25,902	147	16,839399	20,085199	187	4,0229	28,6096
28	11,3995	9,9551	68	25,722401	21,168501	108	26,7407	25,6763	148	16,4522	20,0289	188	2,7292	28,608999
29	11,9027	10,2353	69	25,968201	21,435699	109	26,549801	25,4548	149	16,061199	19,9795	189	1,4378	28,6096
30	12,4053	10,5226	70	26,2143	21,7048	110	26,352699	25,233801	150	15,6718	19,942499	190	0,0043	29,405899
31	12,9054	10,8162	71	26,455299	21,9722	111	26,1539	25,0186	151	15,288	19,916901	191	-0,0004	30,336
32	13,4021	11,1156	72	26,697599	22,242901	112	25,953699	24,806499	152	14,9211	19,897301	192	0,0004	31,286301
33	13,8979	11,4192	73	26,936001	22,5152	113	25,745199	24,599501	153	14,5417	19,8869			
34	14,3903	11,7282	74	27,172899	22,787701	114	25,5362	24,3929	154	14,1523	19,8853			
35	14,8763	12,0414	75	27,4081	23,062	115	25,3193	24,190001	155	13,7662	19,894199			
36	15,3626	12,3606	76	27,643101	23,3396	116	25,103201	23,993299	156	13,3755	19,906			
37	15,8346	12,6982	77	27,8769	23,620001	117	24,882999	23,8004	157	12,9827	19,9216			
38	16,3111	13,0256	78	28,1077	23,900299	118	24,6605	23,614	158	12,5903	19,9536			
39	16,785	13,3576	79	28,337099	24,1803	119	24,432301	23,4296	159	12,1984	20,0044			
40	17,2561	13,6947	80	28,5637	24,462601	120	24,203501	23,249001	160	11,8124	20,070801			

<i>VDI 36 / Step 4/ Sección C/ Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0011	-3,0698	41	17,707199	14,0575	81	28,576401	24,9191	121	23,9582	23,083099	161	11,4323	20,1422
2	-0,0014	-2,1642	42	18,168501	14,4013	82	28,7983	25,2055	122	23,7202	22,913799	162	11,0471	20,246599
3	0,0009	-1,2455	43	18,622801	14,7612	83	29,0403	25,470301	123	23,485399	22,736099	163	10,6813	20,3668
4	0,9054	-0,0061	44	19,076	15,1261	84	29,3255	25,707001	124	23,241899	22,5762	164	10,315	20,506399
5	2,1405	-0,0167	45	19,533501	15,4814	85	29,567101	25,976801	125	22,996901	22,4142	165	9,9495	20,659901
6	3,3794	-0,0139	46	19,9765	15,8575	86	29,698999	26,330299	126	22,7472	22,2619	166	9,5944	20,8311
7	4,7582	0,6694	47	20,143499	15,9917	87	30,045799	26,199301	127	22,495399	22,112101	167	9,2474	21,015699
8	4,7646	1,2475	48	20,4191	16,2265	88	29,888901	26,312599	128	22,2418	21,9685	168	8,9136	21,218901
9	4,7997	1,8287	49	20,6947	16,458799	89	29,741301	26,3706	129	21,989401	21,825199	169	8,5903	21,436899
10	4,8675	2,4022	50	20,9673	16,694099	90	29,5972	26,3846	130	21,7295	21,6889	170	8,2722	21,663099
11	4,9685	2,9721	51	21,237301	16,937	91	29,4559	26,3682	131	21,4639	21,561501	171	7,9626	21,905001
12	5,1108	3,5341	52	21,5103	17,178801	92	29,316	26,3333	132	21,199699	21,427099	172	7,6673	22,1621
13	5,2925	4,0867	53	21,780701	17,427799	93	29,179199	26,299	133	20,93	21,3092	173	7,383	22,4282
14	5,5	4,629	54	22,051901	17,665501	94	29,0406	26,256201	134	20,6604	21,193001	174	7,1094	22,707001
15	5,7569	5,1517	55	22,3176	17,911501	95	28,8988	26,2409	135	20,3869	21,086	175	6,8479	22,9977
16	6,036	5,6593	56	22,579901	18,1569	96	28,7591	26,2087	136	20,119301	20,968399	176	6,6019	23,304399
17	6,3189	6,1658	57	22,8379	18,4097	97	28,621	26,184099	137	19,8451	20,867701	177	6,3666	23,621099
18	6,668	6,6327	58	23,1035	18,653299	98	28,479099	26,1646	138	19,569401	20,772301	178	6,1487	23,945
19	7,0524	7,0739	59	23,361601	18,908501	99	28,3389	26,142401	139	19,293699	20,6751	179	5,9463	24,2777
20	7,4577	7,4997	60	23,621201	19,158899	100	28,1952	26,1241	140	19,011	20,589199	180	5,7537	24,6185
21	7,8968	7,8895	61	23,877199	19,417601	101	28,0546	26,104	141	18,7288	20,504299	181	5,5792	24,9678
22	8,3565	8,2489	62	24,136999	19,6728	102	27,912901	26,0847	142	18,444901	20,4261	182	5,4164	25,3207
23	8,8426	8,5726	63	24,384701	19,9417	103	27,770399	26,065599	143	18,158899	20,354799	183	5,277	25,6856
24	9,3433	8,8683	64	24,631201	20,205999	104	27,6276	26,0383	144	17,8727	20,288601	184	5,151	26,0588
25	9,8574	9,132	65	24,875601	20,4725	105	27,487101	26,0117	145	17,5875	20,226801	185	5,0411	26,433701
26	10,3753	9,4009	66	25,120701	20,7356	106	27,346901	25,9884	146	17,301001	20,171499	186	4,948	26,8153
27	10,8862	9,6762	67	25,365	21,001699	107	26,990601	25,8477	147	16,8431	20,086201	187	4,0244	28,6196
28	11,3947	9,9587	68	25,603901	21,271999	108	26,760099	25,6586	148	16,453699	20,0313	188	2,7323	28,611799
29	11,9001	10,2418	69	25,844299	21,5431	109	26,5546	25,448999	149	16,062401	19,9842	189	1,4405	28,612101
30	12,4009	10,5303	70	26,0837	21,818001	110	26,351101	25,2388	150	15,6737	19,9412	190	0,0026	29,410601
31	12,9029	10,8207	71	26,315399	22,098499	111	26,166	25,013	151	15,2846	19,914499	191	-0,0014	30,334299
32	13,3982	11,1219	72	26,549601	22,375	112	25,9519	24,8109	152	14,9163	19,8946	192	-0,0008	31,2852
33	13,8939	11,4199	73	26,7749	22,656401	113	25,743099	24,6026	153	14,5444	19,879601			
34	14,3834	11,7282	74	27,004999	22,931101	114	25,534901	24,396	154	14,1524	19,8778			
35	14,8742	12,0438	75	27,2334	23,211599	115	25,322201	24,1943	155	13,7664	19,8815			
36	15,3545	12,3708	76	27,452299	23,4986	116	25,101999	24,0012	156	13,3777	19,897699			
37	15,823	12,7138	77	27,677601	23,781799	117	24,883301	23,805799	157	12,981	19,905701			
38	16,300301	13,0381	78	27,8999	24,065701	118	24,6548	23,619801	158	12,5893	19,9354			
39	16,7715	13,3723	79	28,1292	24,3447	119	24,4282	23,4361	159	12,2008	19,992599			
40	17,239599	13,7158	80	28,3533	24,633801	120	24,196699	23,254999	160	11,814	20,0611			

<i>VDI 32 / Step 1 / Sección A/ Antes de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0024	-2,8034	41	23,650299	19,0172	81	29,813801	26,057699	121	25,3671	24,195601	161	19,373501	20,6558	
2	0,0008	-1,9632	42	23,8174	19,179701	82	29,952299	26,2439	122	25,2383	24,077999	162	19,205799	20,601801	
3	0,0002	-1,0952	43	23,9839	19,3449	83	30,091299	26,434299	123	25,107901	23,959299	163	19,0362	20,5478	
4	1,2454	0,0014	44	24,150801	19,5103	84	29,9979	26,4543	124	24,9767	23,8431	164	18,867001	20,498501	
5	2,118	0,0021	45	24,314301	19,672701	85	29,762899	26,443501	125	24,841801	23,729099	165	18,696899	20,4501	
6	2,994	0,0027	46	24,4807	19,8409	86	29,529699	26,427299	126	24,7062	23,616899	166	18,529301	20,403999	
7	17,571301	13,88	47	24,6455	20,009501	87	29,313101	26,409401	127	24,571301	23,503201	167	18,3598	20,358	
8	17,7582	14,0204	48	24,810101	20,178699	88	29,209999	26,4011	128	24,435301	23,3927	168	18,1901	20,3144	
9	17,9475	14,1597	49	24,972	20,3458	89	29,111099	26,3916	129	24,2971	23,2826	169	18,0217	20,273899	
10	18,134701	14,3007	50	25,135201	20,5142	90	29,011101	26,381701	130	24,159	23,176399	170	17,8521	20,235701	
11	18,319901	14,4407	51	25,296801	20,6821	91	28,9093	26,375099	131	24,0219	23,072599	171	17,680799	20,1966	
12	18,5072	14,5791	52	25,4561	20,8526	92	28,808599	26,367399	132	23,878599	22,9687	172	17,509701	20,161301	
13	18,692301	14,7247	53	25,616699	21,0229	93	28,708099	26,3573	133	23,7377	22,867001	173	17,339701	20,1301	
14	18,879	14,8687	54	25,7742	21,194099	94	28,6092	26,3493	134	23,592699	22,766899	174	17,1654	20,0975	
15	19,063801	15,0145	55	25,934401	21,3678	95	28,5079	26,339899	135	23,4498	22,667299	175	16,9932	20,066601	
16	19,2495	15,1597	56	26,0909	21,539	96	28,407499	26,332199	136	23,3057	22,567101	176	16,820299	20,038601	
17	19,433701	15,3063	57	26,2491	21,713301	97	28,307199	26,323299	137	23,159	22,4736	177	16,6443	20,011999	
18	19,618099	15,4539	58	26,4067	21,887501	98	28,2069	26,315001	138	23,014799	22,3783	178	16,4678	19,9862	
19	19,802099	15,6009	59	26,561501	22,063101	99	28,107201	26,306101	139	22,8652	22,287201	179	16,291599	19,963699	
20	19,9823	15,749	60	26,719801	22,238899	100	28,0065	26,2976	140	22,716999	22,1943	180	16,1164	19,943199	
21	20,1628	15,8967	61	26,872499	22,415001	101	27,9062	26,289499	141	22,566799	22,106899	181	15,9399	19,9247	
22	20,3414	16,0448	62	27,026699	22,589199	102	27,8057	26,2808	142	22,4153	22,0163	182	15,7653	19,9067	
23	20,5221	16,195499	63	27,180099	22,767099	103	27,7055	26,273899	143	22,2633	21,930099	183	15,592	19,891701	
24	20,701099	16,3466	64	27,332199	22,943501	104	27,6059	26,263399	144	22,109501	21,841801	184	15,4185	19,880199	
25	20,878901	16,4988	65	27,4825	23,120899	105	27,5056	26,2549	145	21,955	21,761	185	15,2412	19,867201	
26	21,056801	16,6497	66	27,633699	23,3008	106	27,408001	26,246099	146	21,799101	21,6793	186	15,0675	19,858801	
27	21,233801	16,8011	67	27,783899	23,4795	107	27,038401	25,9935	147	21,641001	21,5986	187	3,6995	28,558599	
28	21,4095	16,9529	68	27,934	23,6593	108	26,925501	25,855499	148	21,4853	21,518	188	2,6354	28,5571	
29	21,5846	17,1073	69	28,082899	23,841	109	26,812901	25,722	149	21,3244	21,444	189	1,5751	28,556601	
30	21,761	17,2651	70	28,2307	24,0212	110	26,6992	25,5874	150	21,166	21,365999	190	-0,0014	29,7897	
31	21,938299	17,421	71	28,3806	24,2029	111	26,583	25,455099	151	21,008499	21,2953	191	-0,0011	30,523001	
32	22,1129	17,5786	72	28,5275	24,388901	112	26,4695	25,323799	152	20,847	21,221901	192	-0,0009	31,2813	
33	22,287901	17,7384	73	28,675301	24,572701	113	26,3536	25,1924	153	20,683599	21,153601				
34	22,4603	17,8958	74	28,819201	24,754601	114	26,233101	25,064199	154	20,522699	21,0853				
35	22,6327	18,053699	75	28,9634	24,938101	115	26,114401	24,9359	155	20,360901	21,0179				
36	22,8041	18,2118	76	29,1066	25,122801	116	25,993999	24,808599	156	20,1982	20,954599				
37	22,9748	18,3717	77	29,248699	25,307699	117	25,872101	24,684099	157	20,0361	20,890499				
38	23,143999	18,531	78	29,3922	25,494801	118	25,747801	24,560301	158	19,872299	20,8307				
39	23,313601	18,6931	79	29,5331	25,682699	119	25,620701	24,4361	159	19,707199	20,770599				
40	23,481501	18,8554	80	29,6742	25,8701	120	25,496401	24,3158	160	19,540001	20,712601				



<i>VDI 32 / Step 1 / Sección A/ Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0005	-2,9472	28	22,863001	18,633301	55	29,245501	25,8741	82	26,356899	25,2166	109	21,156	21,3636
2	-0,0039	-2,0813	29	23,115801	18,886101	56	29,380501	26,216499	83	26,1877	25,044001	110	20,9335	21,263599
3	-0,0052	-1,1834	30	23,3612	19,143801	57	29,6875	25,9221	84	26,035101	24,855101	111	20,7125	21,166901
4	1,0127	-0,0022	31	23,606701	19,402901	58	29,5471	26,0564	85	25,8547	24,694201	112	20,4893	21,072599
5	2,3751	0,0009	32	23,8519	19,6618	59	29,4181	26,122101	86	25,689699	24,5131	113	20,268499	20,9821
6	3,7491	0,0007	33	24,090099	19,9277	60	29,2915	26,155001	87	25,518801	24,3412	114	20,044901	20,8943
7	17,221201	13,6271	34	24,335699	20,186199	61	29,167801	26,1616	88	25,3286	24,1933	115	19,8127	20,829201
8	17,5131	13,84	35	24,577101	20,4534	62	29,0445	26,1642	89	25,162901	24,0196	116	19,590799	20,730801
9	17,801399	14,0522	36	24,825701	20,7166	63	28,9219	26,1626	90	24,9781	23,867599	117	19,360399	20,653299
10	18,087999	14,2687	37	25,0653	20,984301	64	28,798599	26,1574	91	24,804501	23,6994	118	19,1262	20,5893
11	18,3757	14,4853	38	25,311701	21,2442	65	28,6758	26,146	92	24,6103	23,555	119	18,900801	20,5091
12	18,656799	14,7085	39	25,548	21,5112	66	28,5525	26,1262	93	24,423201	23,402	120	18,666901	20,4505
13	18,9335	14,937	40	25,7815	21,7796	67	28,43	26,1098	94	24,2325	23,254801	121	18,435101	20,388201
14	19,206301	15,169	41	26,0163	22,0473	68	28,3104	26,094299	95	24,048	23,0975	122	18,2008	20,3304
15	19,478701	15,4035	42	26,252199	22,3139	69	28,188101	26,0767	96	23,844299	22,968399	123	17,966499	20,2714
16	19,752001	15,6431	43	26,4869	22,5832	70	28,0655	26,064501	97	23,6591	22,814501	124	17,734301	20,208401
17	20,024	15,8869	44	26,717199	22,8577	71	27,944099	26,0525	98	23,4603	22,676701	125	17,4965	20,176001
18	20,2913	16,128099	45	26,9484	23,1334	72	27,822001	26,0387	99	23,255899	22,550301	126	17,2609	20,114401
19	20,558001	16,369801	46	27,1791	23,4062	73	27,700199	26,0238	100	23,054399	22,4154	127	3,5282	28,562201
20	20,8255	16,6106	47	27,4058	23,681601	74	27,577499	26,014601	101	22,853901	22,2833	128	2,2715	28,557501
21	21,0819	16,8585	48	27,6311	23,9571	75	27,4538	25,9995	102	22,6416	22,1695	129	1,0077	28,5569
22	21,3428	17,1036	49	27,855801	24,230801	76	27,3344	25,989201	103	22,4394	22,0373	130	-0,0023	29,434299
23	21,5986	17,3514	50	28,084299	24,5063	77	27,2024	26,0881	104	22,229601	21,913799	131	-0,0046	30,313801
24	21,857	17,6012	51	28,3139	24,7789	78	26,9939	25,943001	105	22,0135	21,8071	132	-0,0068	31,2327
25	22,113199	17,856199	52	28,544701	25,053301	79	26,8263	25,7672	106	21,7966	21,702101			
26	22,365101	18,111799	53	28,7759	25,3286	80	26,676001	25,576799	107	21,589199	21,575001			
27	22,6117	18,377001	54	29,0133	25,599899	81	26,5109	25,4004	108	21,371201	21,468201			

VDI 32 / Step 1 / Sección B/ Antes de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0003	-3,1521	41	23,197599	18,593599	81	29,4445	25,573999	121	25,7484	24,572599	161	20,756001	21,1936
2	0,0033	-2,3639	42	23,368799	18,757	82	29,585199	25,7624	122	25,6395	24,466	162	20,616199	21,135201
3	0,0025	-1,5511	43	23,537001	18,9168	83	29,7279	25,947701	123	25,530199	24,358801	163	20,475901	21,077
4	1,1874	0,012	44	23,706499	19,081699	84	29,864901	26,136299	124	25,4216	24,255501	164	20,336	21,0182
5	2,3495	0,0121	45	23,872101	19,244699	85	30,006201	26,3239	125	25,309099	24,152	165	20,194	20,9636
6	3,5114	0,0126	46	24,0403	19,409599	86	30,1106	26,465599	126	25,196501	24,0513	166	20,0546	20,9091
7	17,060301	13,5198	47	24,2062	19,575399	87	30,0224	26,466	127	25,0847	23,948601	167	19,9132	20,8559
8	17,2507	13,6567	48	24,370001	19,739599	88	29,8822	26,462	128	24,971201	23,849001	168	19,7714	20,8022
9	17,4429	13,7964	49	24,5368	19,908199	89	29,742701	26,452499	129	24,8542	23,7502	169	19,627001	20,7537
10	17,629	13,9342	50	24,7026	20,0765	90	29,6043	26,4431	130	24,7386	23,652399	170	19,482401	20,701799
11	17,8195	14,0735	51	24,8661	20,243601	91	29,4638	26,433201	131	24,621799	23,5543	171	19,3395	20,6542
12	18,004801	14,2125	52	25,0285	20,413601	92	29,325001	26,420799	132	24,5044	23,4582	172	19,195101	20,608101
13	18,191601	14,3541	53	25,1903	20,5825	93	29,183399	26,4097	133	24,385799	23,3626	173	19,0487	20,562
14	18,3769	14,4935	54	25,351299	20,750999	94	29,0455	26,396099	134	24,2665	23,269501	174	18,903099	20,5177
15	18,5655	14,6347	55	25,510401	20,922501	95	28,902399	26,385401	135	24,148199	23,1784	175	18,7568	20,4767
16	18,749399	14,7789	56	25,6703	21,0928	96	28,7623	26,372299	136	24,027901	23,0882	176	18,610399	20,438
17	18,9359	14,9229	57	25,8298	21,264	97	28,6213	26,361	137	23,9056	22,9986	177	18,4664	20,3957
18	19,1206	15,0669	58	25,9881	21,4359	98	28,4807	26,3484	138	23,782301	22,909	178	18,319	20,358101
19	19,3069	15,2162	59	26,1457	21,609301	99	28,341101	26,3365	139	23,6586	22,8214	179	18,172001	20,3202
20	19,4925	15,3628	60	26,3025	21,785101	100	28,199699	26,3248	140	23,535299	22,733299	180	18,0254	20,285
21	19,675501	15,5112	61	26,460699	21,958599	101	28,058599	26,314301	141	23,408501	22,6492	181	17,878	20,2512
22	19,8575	15,6575	62	26,617201	22,135799	102	27,919701	26,3001	142	23,283701	22,565201	182	17,731501	20,2183
23	20,0397	15,8064	63	26,774401	22,3095	103	27,778299	26,2894	143	23,1581	22,481501	183	17,5846	20,1861
24	20,2202	15,954	64	26,925699	22,485701	104	27,6395	26,277201	144	23,031799	22,3999	184	17,436199	20,158199
25	20,399599	16,1036	65	27,08	22,6625	105	27,499701	26,2644	145	22,906099	22,3211	185	17,288799	20,130699
26	20,5804	16,2542	66	27,2323	22,839001	106	27,360901	26,253099	146	22,7766	22,2439	186	17,1383	20,1019
27	20,7575	16,403799	67	27,386999	23,0144	107	27,164	26,152201	147	22,6493	22,164	187	3,7149	28,567699
28	20,9368	16,5553	68	27,5362	23,194201	108	27,066299	26,034201	148	22,5184	22,0879	188	2,6426	28,5674
29	21,1119	16,7055	69	27,687201	23,3741	109	26,9673	25,916201	149	22,3881	22,010401	189	1,5733	28,566401
30	21,2906	16,8584	70	27,8382	23,552601	110	26,870501	25,7987	150	22,2565	21,936001	190	-0,0007	29,8477
31	21,4664	17,0114	71	27,987	23,7351	111	26,7721	25,6835	151	22,123301	21,860701	191	0	30,616199
32	21,641899	17,1686	72	28,1364	23,9165	112	26,6737	25,568501	152	21,988501	21,787901	192	-0,0024	31,4114
33	21,819599	17,324699	73	28,285299	24,0968	113	26,573799	25,4531	153	21,854601	21,7183			
34	21,9956	17,4823	74	28,4333	24,280399	114	26,4746	25,339701	154	21,7204	21,6483			
35	22,1712	17,6409	75	28,5811	24,464399	115	26,373899	25,2271	155	21,582701	21,5779			
36	22,3452	17,7981	76	28,7276	24,646999	116	26,2721	25,116199	156	21,447599	21,511499			
37	22,5154	17,9578	77	28,872	24,831301	117	26,1696	25,005699	157	21,307501	21,443701			
38	22,687201	18,114901	78	29,0159	25,016899	118	26,066	24,896	158	21,172501	21,3799			
39	22,8594	18,273899	79	29,158899	25,2012	119	25,960501	24,7873	159	21,033899	21,3169			
40	23,0291	18,4338	80	29,302799	25,387501	120	25,856701	24,678499	160	20,8962	21,2549			

VDI 32 / Step 1 / Sección B/ Después de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0047	-2,8124	32	22,137899	17,884399	63	29,024	25,615999	94	25,3708	24,241501	125	18,213301	20,331301
2	-0,004	-1,8225	33	22,3764	18,119801	64	29,2442	25,8699	95	25,183201	24,055201	126	17,955999	20,271
3	-0,0063	-0,7995	34	22,612499	18,3629	65	29,3906	26,1751	96	24,980301	23,885401	127	17,696699	20,211901
4	1,6512	0,009	35	22,8452	18,605499	66	29,300699	26,651899	97	24,7841	23,708099	128	17,436701	20,1646
5	2,7029	0,0098	36	23,073601	18,848101	67	29,778299	25,7981	98	24,5791	23,538601	129	17,175501	20,1098
6	3,7573	0,0107	37	23,3071	19,0853	68	29,6364	25,989799	99	24,3701	23,3727	130	16,910801	20,0623
7	15,6673	12,5571	38	23,535	19,329399	69	29,504299	26,0853	100	24,1621	23,2078	131	16,645399	20,027901
8	15,9474	12,7475	39	23,763201	19,5704	70	29,375099	26,1402	101	23,948299	23,0452	132	16,381901	19,986
9	16,2244	12,9373	40	23,9918	19,8139	71	29,2484	26,1709	102	23,7313	22,894899	133	16,118	19,9548
10	16,5012	13,1283	41	24,217699	20,0597	72	29,1231	26,182301	103	23,5205	22,733999	134	15,8539	19,926901
11	16,7749	13,321	42	24,4433	20,306801	73	29,000099	26,185101	104	23,3034	22,580601	135	15,5896	19,903
12	17,0506	13,5162	43	24,6684	20,556601	74	28,8764	26,1784	105	23,0786	22,437799	136	15,3255	19,888201
13	17,3253	13,7097	44	24,897301	20,807301	75	28,753799	26,163099	106	22,853701	22,2987	137	15,0597	19,8675
14	17,594299	13,9109	45	25,127501	21,0511	76	28,629801	26,149799	107	22,6264	22,1623	138	14,8024	19,858101
15	17,8641	14,1102	46	25,3536	21,2925	77	28,5065	26,131399	108	22,392799	22,034901	139	14,5537	19,851101
16	18,132299	14,3116	47	25,575701	21,5441	78	28,3829	26,1196	109	22,164	21,8976	140	14,3009	19,847601
17	18,399401	14,5155	48	25,799999	21,787001	79	28,2616	26,101999	110	21,934	21,7616	141	14,0431	19,8489
18	18,6604	14,7228	49	26,0168	22,038401	80	28,1388	26,0886	111	21,687099	21,657801	142	13,7787	19,8547
19	18,918501	14,9374	50	26,2337	22,2896	81	28,0147	26,071199	112	21,457701	21,517599	143	13,5119	19,8645
20	19,174601	15,1516	51	26,453699	22,541	82	27,893299	26,059601	113	21,213699	21,408199	144	13,2436	19,871201
21	19,429399	15,3722	52	26,6674	22,798901	83	27,7689	26,0488	114	20,970699	21,299801	145	12,9775	19,884001
22	19,684099	15,5945	53	26,878401	23,0602	84	27,645901	26,037399	115	20,7293	21,1877	146	12,7077	19,9051
23	19,940901	15,8163	54	27,096701	23,310801	85	27,524099	26,023399	116	20,484699	21,0854	147	3,3518	28,566299
24	20,1908	16,042801	55	27,304899	23,570601	86	27,400801	26,0168	117	20,239901	20,9802	148	2,4873	28,566401
25	20,440599	16,2661	56	27,5161	23,826799	87	26,672199	25,5721	118	19,9923	20,886101	149	1,6182	28,5655
26	20,6877	16,494499	57	27,7227	24,0891	88	26,493999	25,373899	119	19,739901	20,803101	150	-0,0051	29,498199
27	20,9352	16,7209	58	27,921101	24,3573	89	26,309601	25,183201	120	19,487101	20,7111	151	-0,0081	30,210699
28	21,178801	16,948999	59	28,1437	24,605301	90	26,1259	24,9918	121	19,235901	20,6227	152	-0,0058	30,959299
29	21,4154	17,1838	60	28,370899	24,8496	91	25,9459	24,7946	122	18,9809	20,5474			
30	21,6593	17,415001	61	28,5896	25,1033	92	25,753901	24,6096	123	18,7265	20,4692			
31	21,898399	17,646	62	28,8102	25,357	93	25,569	24,419701	124	18,4704	20,3979			

<i>VDI 32 / Step 1 / Sección C/ Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0026	-3,0228	41	23,198999	18,602301	81	29,531099	25,6987	121	25,196699	24,0583	161	18,4613	20,403999	
2	0,0008	-1,9335	42	23,370001	18,7665	82	29,675501	25,888201	122	25,054199	23,929501	162	18,2735	20,354401	
3	0,0013	-0,814	43	23,5406	18,931601	83	29,815701	26,079901	123	24,9048	23,8041	163	18,087	20,309099	
4	0,9427	0,0209	44	23,7118	19,0966	84	29,9594	26,2705	124	24,758801	23,677799	164	17,899599	20,2661	
5	2,49	0,0218	45	23,883301	19,263599	85	30,0996	26,461901	125	24,6099	23,5527	165	17,711201	20,223101	
6	4,0367	0,0234	46	24,052099	19,429501	86	29,943701	26,474199	126	24,459499	23,4303	166	17,523399	20,1842	
7	16,9566	13,4562	47	24,2215	19,5982	87	29,5599	26,4498	127	24,3076	23,311199	167	17,333401	20,1481	
8	17,1521	13,5958	48	24,386999	19,7661	88	29,442499	26,439199	128	24,155001	23,1926	168	17,1429	20,1134	
9	17,3454	13,7356	49	24,556999	19,937	89	29,329399	26,4312	129	23,999901	23,0762	169	16,9527	20,0795	
10	17,537901	13,8756	50	24,723301	20,1089	90	29,216299	26,4209	130	23,8458	22,963301	170	16,761801	20,049601	
11	17,7295	14,0167	51	24,8895	20,278999	91	29,1035	26,41	131	23,6866	22,850901	171	16,5674	20,021601	
12	17,920099	14,1587	52	25,0543	20,451	92	28,990601	26,4018	132	23,5291	22,7402	172	16,373501	19,993601	
13	18,108999	14,2998	53	25,219801	20,621901	93	28,876499	26,3923	133	23,370199	22,631599	173	16,179701	19,969999	
14	18,298201	14,4423	54	25,383101	20,794001	94	28,7614	26,3827	134	23,2092	22,524401	174	15,9854	19,9496	
15	18,4874	14,5846	55	25,545601	20,968201	95	28,6479	26,3734	135	23,0487	22,421801	175	15,7926	19,930599	
16	18,674	14,7317	56	25,7069	21,1406	96	28,5361	26,3624	136	22,885	22,317101	176	15,5999	19,9125	
17	18,865101	14,8782	57	25,869699	21,314199	97	28,4231	26,3521	137	22,7239	22,2169	177	15,4087	19,8986	
18	19,053301	15,0255	58	26,029699	21,489901	98	28,310301	26,344101	138	22,558001	22,1215	178	15,2163	19,885401	
19	19,2407	15,1732	59	26,188999	21,6672	99	28,196699	26,3342	139	22,392401	22,021999	179	15,0254	19,876801	
20	19,428699	15,3224	60	26,35	21,8426	100	28,083401	26,324499	140	22,2234	21,9268	180	14,8327	19,868999	
21	19,6145	15,472	61	26,508699	22,020901	101	27,9713	26,315201	141	22,053301	21,831499	181	14,6391	19,8624	
22	19,802	15,6207	62	26,6668	22,200399	102	27,858299	26,3046	142	21,8822	21,741899	182	14,4425	19,859301	
23	19,9863	15,7716	63	26,8255	22,3769	103	27,745199	26,294701	143	21,7092	21,651501	183	14,2555	19,858601	
24	20,170099	15,9212	64	26,980301	22,5569	104	27,632299	26,2864	144	21,536699	21,562099	184	14,0664	19,861099	
25	20,3547	16,073999	65	27,1357	22,7365	105	27,5189	26,275299	145	21,3601	21,4795	185	13,8768	19,8643	
26	20,5354	16,2264	66	27,2924	22,9146	106	27,406	26,2663	146	21,184999	21,395901	186	13,6889	19,8703	
27	20,715401	16,379101	67	27,4454	23,094101	107	27,052999	26,028601	147	21,0089	21,3141	187	4,1123	28,577801	
28	20,896799	16,533501	68	27,599199	23,276501	108	26,9286	25,878201	148	20,831301	21,2365	188	2,5348	28,5767	
29	21,0784	16,6859	69	27,7533	23,4587	109	26,8032	25,729099	149	20,6537	21,1586	189	0,9603	28,575399	
30	21,258101	16,841801	70	27,903099	23,6434	110	26,678101	25,581699	150	20,4748	21,0846	190	0,001	29,6061	
31	21,436701	16,9967	71	28,0553	23,8286	111	26,5501	25,436399	151	20,2974	21,0123	191	0,0019	30,5198	
32	21,6152	17,1542	72	28,206499	24,0105	112	26,423	25,2904	152	20,1166	20,942699	192	-0,0024	31,461399	
33	21,7962	17,3132	73	28,358101	24,1957	113	26,293501	25,1476	153	19,9382	20,874001				
34	21,9746	17,472799	74	28,508801	24,384399	114	26,162399	25,007299	154	19,757	20,8064				
35	22,1549	17,633699	75	28,658199	24,5693	115	26,029699	24,8671	155	19,573299	20,7423				
36	22,3279	17,795099	76	28,805099	24,7563	116	25,896999	24,7292	156	19,3887	20,680599				
37	22,5044	17,9548	77	28,952	24,943199	117	25,7593	24,592501	157	19,2047	20,620701				
38	22,679199	18,115299	78	29,096701	25,1313	118	25,621799	24,456699	158	19,017799	20,5632				
39	22,8529	18,276899	79	29,2418	25,318899	119	25,481899	24,3218	159	18,833099	20,507401				
40	23,025	18,438499	80	29,3881	25,507299	120	25,340799	24,188	160	18,6458	20,4545				

<i>VDI 32 / Step 1 / Sección C/ Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0051	-3,0048	32	22,5835	18,3141	63	29,1078	25,715099	94	25,403299	24,2843	125	18,417601	20,394699
2	-0,0071	-2,0101	33	22,805799	18,5443	64	29,316799	25,9575	95	25,2255	24,0928	126	18,1651	20,330299
3	-0,0052	-0,9825	34	23,0259	18,773001	65	29,429001	26,2668	96	25,017799	23,934999	127	17,911501	20,2789
4	0,8676	0,0187	35	23,243099	19,004601	66	29,289301	26,760401	97	24,826599	23,761299	128	17,6581	20,214199
5	1,9716	0,0196	36	23,4601	19,2384	67	29,5772	26,1124	98	24,6355	23,585699	129	17,4023	20,166201
6	3,084	0,0191	37	23,679001	19,4685	68	29,451599	26,180799	99	24,4263	23,4291	130	17,141399	20,117701
7	16,495701	13,1347	38	23,899401	19,696199	69	29,334499	26,217501	100	24,226299	23,2596	131	16,8827	20,068701
8	16,7586	13,3201	39	24,116899	19,927799	70	29,2174	26,235201	101	24,013399	23,108999	132	16,6227	20,0306
9	17,0224	13,5069	40	24,337	20,1584	71	29,1019	26,235901	102	23,811701	22,942801	133	16,362499	19,993
10	17,2861	13,6904	41	24,551001	20,395901	72	28,9891	26,2279	103	23,5877	22,8078	134	16,1036	19,967899
11	17,5474	13,874	42	24,7684	20,6357	73	28,874701	26,212099	104	23,383301	22,6446	135	15,8454	19,940201
12	17,7976	14,0725	43	24,985701	20,869801	74	28,761999	26,195999	105	23,1593	22,5138	136	15,5872	19,917601
13	18,0546	14,2641	44	25,2064	21,101601	75	28,647699	26,18	106	22,9391	22,3766	137	15,3278	19,893101
14	18,309401	14,4561	45	25,421801	21,334299	76	28,532301	26,1633	107	22,7213	22,236	138	15,0657	19,8778
15	18,561501	14,6508	46	25,637501	21,566601	77	28,4188	26,1493	108	22,5012	22,094101	139	14,8184	19,867399
16	18,8099	14,8532	47	25,8407	21,809299	78	28,3048	26,1343	109	22,275499	21,961399	140	14,5743	19,861099
17	19,054701	15,0573	48	26,052	22,0457	79	28,1929	26,116501	110	22,048599	21,8325	141	14,3239	19,8696
18	19,297199	15,2654	49	26,260099	22,2852	80	28,078699	26,104799	111	21,8081	21,729	142	14,0671	19,8592
19	19,5425	15,4744	50	26,463699	22,529301	81	27,965401	26,0884	112	21,583	21,5921	143	13,8107	19,8638
20	19,785	15,6852	51	26,674601	22,768801	82	27,8519	26,08	113	21,343901	21,4867	144	13,5482	19,8794
21	20,028	15,9001	52	26,876801	23,0168	83	27,739401	26,0651	114	21,109301	21,370701	145	13,289	19,879601
22	20,2658	16,117201	53	27,086201	23,258101	84	27,626101	26,054701	115	20,872101	21,256399	146	13,028	19,894199
23	20,500601	16,331699	54	27,2915	23,500799	85	27,513201	26,040501	116	20,632099	21,1612	147	3,7368	28,582399
24	20,7369	16,546301	55	27,4897	23,748501	86	27,4	26,0263	117	20,3939	21,0599	148	2,6577	28,5767
25	20,973499	16,760599	56	27,693399	23,9897	87	26,679001	25,5926	118	20,1532	20,959101	149	1,5835	28,5769
26	21,203899	16,9813	57	27,8957	24,233801	88	26,507799	25,395599	119	19,9044	20,881901	150	-0,0092	29,569201
27	21,4363	17,197901	58	28,1014	24,4772	89	26,3197	25,2139	120	19,661699	20,786301	151	-0,0092	30,3636
28	21,6651	17,420099	59	28,3053	24,7218	90	26,145201	25,02	121	19,415001	20,692499	152	-0,0095	31,194901
29	21,8988	17,6357	60	28,506599	24,9669	91	25,958401	24,8354	122	19,168301	20,6103			
30	22,1241	17,8629	61	28,703199	25,218901	92	25,7931	24,6318	123	18,9186	20,5373			
31	22,3542	18,087799	62	28,9067	25,4664	93	25,5905	24,4664	124	18,6693	20,4625			

VDI 32 / Step 2 / Sección A/ Antes de la erosión / Z= -3,55 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,006	-2,8072	41	23,661699	19,0219	81	29,8304	26,059601	121	25,385201	24,201599	161	19,3911	20,653601
2	-0,0049	-1,98	42	23,8318	19,185699	82	29,9704	26,248699	122	25,258499	24,082199	162	19,222601	20,600599
3	-0,0075	-1,1141	43	23,998501	19,3507	83	30,1077	26,438299	123	25,126699	23,9639	163	19,054001	20,547001
4	1,2449	-0,0095	44	24,1656	19,516399	84	30,0114	26,434999	124	24,995399	23,849701	164	18,886	20,4951
5	2,1059	-0,0058	45	24,330601	19,6828	85	29,776199	26,4245	125	24,8631	23,734301	165	18,7171	20,447599
6	2,9847	-0,0051	46	24,494101	19,849199	86	29,5445	26,4069	126	24,728201	23,620001	166	18,5485	20,4009
7	17,5847	13,886	47	24,6597	20,0156	87	29,3284	26,3915	127	24,5916	23,509001	167	18,378799	20,358299
8	17,775101	14,0279	48	24,823799	20,1824	88	29,225599	26,382601	128	24,4541	23,398701	168	18,2094	20,314199
9	17,9615	14,1636	49	24,985001	20,35	89	29,125099	26,3757	129	24,3179	23,288	169	18,040199	20,271999
10	18,1485	14,3069	50	25,148199	20,519199	90	29,0261	26,3671	130	24,176901	23,181999	170	17,8694	20,232599
11	18,3344	14,4452	51	25,3102	20,6866	91	28,9263	26,358601	131	24,039301	23,0758	171	17,698	20,1957
12	18,52	14,5879	52	25,4704	20,8556	92	28,825199	26,3501	132	23,898899	22,9725	172	17,526199	20,159599
13	18,7047	14,7293	53	25,630199	21,026699	93	28,7246	26,3437	133	23,7565	22,868999	173	17,3566	20,126801
14	18,891399	14,8726	54	25,788799	21,197701	94	28,625299	26,334801	134	23,612101	22,767599	174	17,182199	20,093201
15	19,0774	15,0182	55	25,947399	21,370501	95	28,5245	26,324301	135	23,4683	22,670401	175	17,0098	20,063101
16	19,2635	15,1641	56	26,106501	21,543301	96	28,424299	26,3169	136	23,322201	22,569201	176	16,8354	20,035801
17	19,4498	15,3128	57	26,264099	21,718201	97	28,323999	26,308001	137	23,1786	22,475401	177	16,659599	20,007601
18	19,6299	15,4595	58	26,422001	21,893999	98	28,225201	26,299	138	23,0303	22,379999	178	16,481701	19,9821
19	19,8137	15,6066	59	26,580099	22,070299	99	28,1243	26,2915	139	22,884001	22,287399	179	16,305099	19,959
20	19,995001	15,7554	60	26,737301	22,2453	100	28,0231	26,2852	140	22,733	22,195601	180	16,1287	19,939899
21	20,1759	15,9035	61	26,8908	22,4195	101	27,9247	26,277	141	22,5853	22,106001	181	15,9532	19,9191
22	20,3564	16,052999	62	27,0431	22,5956	102	27,8242	26,2679	142	22,431601	22,017401	182	15,778	19,903601
23	20,534599	16,202101	63	27,196199	22,7712	103	27,724199	26,259399	143	22,2801	21,930799	183	15,6054	19,887699
24	20,7131	16,353901	64	27,3479	22,9473	104	27,6236	26,25	144	22,127199	21,8452	184	15,4315	19,875099
25	20,8915	16,5054	65	27,498899	23,126101	105	27,5247	26,241301	145	21,971901	21,760201	185	15,2542	19,8643
26	21,0693	16,655399	66	27,6486	23,3043	106	27,424299	26,2335	146	21,816401	21,678801	186	15,0788	19,8522
27	21,246	16,807699	67	27,7985	23,483999	107	27,0548	25,9991	147	21,6597	21,5977	187	3,7384	28,5529
28	21,4226	16,9617	68	27,947701	23,663401	108	26,9419	25,862801	148	21,501699	21,5175	188	2,6722	28,552601
29	21,599199	17,115601	69	28,097099	23,8451	109	26,828199	25,7293	149	21,3416	21,443001	189	1,6126	28,5509
30	21,7768	17,270399	70	28,247	24,026501	110	26,7146	25,594601	150	21,183901	21,3673	190	-0,0063	29,796101
31	21,9524	17,4282	71	28,393999	24,208799	111	26,5991	25,4636	151	21,026199	21,2922	191	-0,0084	30,504101
32	22,126499	17,5861	72	28,542999	24,3925	112	26,484699	25,3311	152	20,8652	21,221399	192	-0,0079	31,2651
33	22,2997	17,743299	73	28,687201	24,575899	113	26,370501	25,1985	153	20,7033	21,1509			
34	22,4715	17,9009	74	28,833799	24,759199	114	26,2519	25,0707	154	20,5404	21,0819			
35	22,6448	18,057199	75	28,9786	24,943399	115	26,131901	24,943199	155	20,3776	21,016399			
36	22,815201	18,218201	76	29,1229	25,1285	116	26,0116	24,8174	156	20,213699	20,9515			
37	22,986099	18,375799	77	29,265301	25,3144	117	25,8897	24,690901	157	20,054001	20,8892			
38	23,1574	18,537001	78	29,4074	25,499399	118	25,765699	24,566	158	19,889799	20,8279			
39	23,324699	18,6984	79	29,548401	25,6873	119	25,639999	24,443199	159	19,7253	20,767599			
40	23,493799	18,8603	80	29,691099	25,872499	120	25,5142	24,3209	160	19,5581	20,708599			

<i>VDI 32 / Step 2 / Sección A/ Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0047	-2,6249	41	20,038	16,231199	81	27,9643	24,616699	121	24,186001	23,200199	161	12,6169	19,900801
2	-0,0141	-1,781	42	20,4137	16,586399	82	28,134501	24,809	122	23,973101	23,0375	162	12,2355	19,948999
3	-0,0059	-0,9018	43	20,7876	16,940399	83	28,3039	25,0014	123	23,7575	22,8766	163	11,8577	20,0182
4	1,3969	-0,0071	44	21,158701	17,2957	84	28,478399	25,1915	124	23,533001	22,724701	164	11,4817	20,0965
5	2,0855	-0,0054	45	21,525801	17,6539	85	28,660101	25,3773	125	23,308701	22,571199	165	11,1134	20,1959
6	2,7881	-0,0047	46	21,8923	18,0151	86	28,8445	25,561001	126	23,0849	22,419201	166	10,7473	20,3048
7	6,0388	5,7202	47	22,0993	18,223499	87	29,268299	25,854099	127	22,859301	22,2735	167	10,3875	20,4338
8	6,3255	6,1569	48	22,2808	18,405701	88	29,1588	25,9137	128	22,628799	22,132	168	10,033	20,5784
9	6,6365	6,5775	49	22,4575	18,591	89	29,0581	25,9452	129	22,3972	21,997601	169	9,6865	20,738001
10	6,9799	6,9688	50	22,636101	18,7742	90	28,9583	25,9613	130	22,1633	21,8641	170	9,3446	20,9116
11	7,3476	7,341	51	22,814199	18,9547	91	28,8619	25,9634	131	21,927799	21,7365	171	9,0121	21,101
12	7,7161	7,7131	52	22,9879	19,1436	92	28,765699	25,9571	132	21,687799	21,6145	172	8,687	21,304701
13	8,1173	8,0441	53	23,166201	19,328501	93	28,67	25,9468	133	21,449499	21,494301	173	8,3753	21,5221
14	8,5352	8,3518	54	23,34	19,5138	94	28,5734	25,9277	134	21,207399	21,3783	174	8,0719	21,7495
15	8,9731	8,6348	55	23,5173	19,7001	95	28,4816	25,9035	135	20,954901	21,2826	175	7,7798	21,992901
16	9,4282	8,89	56	23,693399	19,8853	96	28,387899	25,877199	136	20,7146	21,157	176	7,4948	22,2493
17	9,8936	9,1288	57	23,867399	20,0688	97	28,2941	25,849501	137	20,464899	21,052099	177	7,2189	22,521
18	10,3544	9,3675	58	24,042299	20,254601	98	28,1994	25,819099	138	20,214701	20,953199	178	6,9588	22,8016
19	10,8096	9,6113	59	24,219801	20,439899	99	28,105	25,7918	139	19,963699	20,855301	179	6,7099	23,093
20	11,263	9,8577	60	24,3979	20,6241	100	28,0093	25,7637	140	19,7106	20,764799	180	6,477	23,395901
21	11,714	10,1115	61	24,572399	20,813	101	27,914499	25,739201	141	19,4583	20,6772	181	6,2558	23,704901
22	12,1656	10,3725	62	24,7502	20,9956	102	27,8179	25,715599	142	19,2036	20,596701	182	6,0497	24,023701
23	12,6078	10,6385	63	24,921301	21,183001	103	27,7211	25,696301	143	18,9468	20,5156	183	5,8566	24,3507
24	13,048	10,9117	64	25,097099	21,368601	104	27,625999	25,679199	144	18,6896	20,441799	184	5,6778	24,6868
25	13,4882	11,1895	65	25,268999	21,554199	105	27,531601	25,6621	145	18,4282	20,3706	185	5,5133	25,034901
26	13,9251	11,4721	66	25,4398	21,7411	106	27,435499	25,6464	146	18,167299	20,304899	186	5,3644	25,3859
27	14,3529	11,7621	67	25,616199	21,926701	107	27,0502	25,6786	147	17,8727	20,233999	187	3,5835	28,5534
28	14,7836	12,0557	68	25,779699	22,120399	108	26,761299	25,562201	148	17,499701	20,1544	188	2,5621	28,554399
29	15,2073	12,3518	69	25,9526	22,310499	109	26,5425	25,394501	149	17,1243	20,0847	189	1,549	28,552799
30	15,6237	12,6532	70	26,122601	22,4991	110	26,3638	25,193199	150	16,749901	20,0249	190	-0,0068	29,664101
31	16,041599	12,9556	71	26,2934	22,687	111	26,1803	24,996901	151	16,3727	19,9701	191	-0,0096	30,381201
32	16,4561	13,2649	72	26,4718	22,872	112	25,994101	24,800501	152	15,9909	19,924601	192	-0,01	31,1446
33	16,868401	13,5836	73	26,6406	23,064899	113	25,807501	24,604	153	15,6102	19,889			
34	17,274599	13,901	74	26,8039	23,2619	114	25,613899	24,4153	154	15,2285	19,8636			
35	17,682301	14,2192	75	26,970501	23,455799	115	25,4154	24,2314	155	14,856	19,846399			
36	18,0833	14,5434	76	27,1385	23,6476	116	25,222	24,0478	156	14,4948	19,839899			
37	18,4779	14,8716	77	27,302099	23,8416	117	25,0147	23,874599	157	14,131	19,8377			
38	18,871901	15,2075	78	27,4664	24,036699	118	24,806	23,708401	158	13,7576	19,844999			
39	19,260599	15,5476	79	27,629801	24,231501	119	24,610001	23,524	159	13,3781	19,862499			
40	19,6528	15,888	80	27,7997	24,421301	120	24,394199	23,365	160	12,9987	19,882601			

VDI 32 / Step 2 / Sección B / Antes de la erosión / Z= -2,35 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,005	-3,1789	41	23,2033	18,5931	81	29,455	25,5741	121	25,7579	24,569599	161	20,7521	21,1835	
2	-0,0018	-2,3635	42	23,371401	18,755501	82	29,5966	25,760799	122	25,648399	24,4641	162	20,611099	21,1262	
3	-0,0062	-1,5506	43	23,5408	18,9177	83	29,7379	25,948099	123	25,5385	24,358	163	20,469801	21,0681	
4	1,165	0,0058	44	23,709101	19,0797	84	29,878401	26,1357	124	25,428699	24,255199	164	20,329399	21,0105	
5	2,308	0,0073	45	23,878901	19,244499	85	30,018101	26,323601	125	25,317101	24,15	165	20,188299	20,953699	
6	3,4697	0,0094	46	24,046801	19,4107	86	30,096001	26,4517	126	25,2045	24,048901	166	20,049299	20,900499	
7	17,060801	13,5188	47	24,213301	19,5765	87	30,0114	26,4505	127	25,090099	23,9461	167	19,907	20,8472	
8	17,2505	13,6551	48	24,377899	19,7411	88	29,8715	26,445	128	24,977301	23,8463	168	19,764	20,7959	
9	17,4415	13,794	49	24,542801	19,908899	89	29,732901	26,4368	129	24,862301	23,747499	169	19,6227	20,7453	
10	17,629299	13,9312	50	24,708599	20,0755	90	29,594299	26,4256	130	24,745199	23,648199	170	19,476801	20,6959	
11	17,817301	14,0699	51	24,870899	20,243	91	29,455	26,4163	131	24,627501	23,5516	171	19,332399	20,649401	
12	18,007099	14,2106	52	25,033701	20,4116	92	29,3146	26,406099	132	24,510099	23,455799	172	19,186899	20,602501	
13	18,191799	14,3499	53	25,196501	20,5804	93	29,1745	26,393999	133	24,3894	23,359501	173	19,0411	20,556801	
14	18,3794	14,4918	54	25,3573	20,7488	94	29,0345	26,384001	134	24,271099	23,266399	174	18,895	20,5124	
15	18,5655	14,6315	55	25,518101	20,9186	95	28,894199	26,3715	135	24,151199	23,1737	175	18,748501	20,4708	
16	18,751301	14,7754	56	25,6775	21,090099	96	28,753	26,3615	136	24,0299	23,082399	176	18,6026	20,429899	
17	18,9366	14,9203	57	25,836901	21,2619	97	28,613701	26,3486	137	23,907101	22,992599	177	18,455799	20,391399	
18	19,120701	15,0656	58	25,996201	21,435499	98	28,4716	26,3356	138	23,785601	22,902399	178	18,309299	20,353701	
19	19,3078	15,2129	59	26,156	21,6084	99	28,330601	26,3235	139	23,6612	22,813801	179	18,1628	20,3165	
20	19,492701	15,3578	60	26,3125	21,783001	100	28,192101	26,311701	140	23,536301	22,729601	180	18,017099	20,2803	
21	19,676201	15,5087	61	26,4723	21,9589	101	28,0515	26,301201	141	23,411699	22,6451	181	17,8696	20,246799	
22	19,8585	15,6549	62	26,629801	22,1359	102	27,9104	26,290199	142	23,285801	22,558399	182	17,721901	20,215099	
23	20,0404	15,8036	63	26,7855	22,311701	103	27,770599	26,2763	143	23,1598	22,476601	183	17,573	20,1824	
24	20,219999	15,9527	64	26,9382	22,485201	104	27,630699	26,2647	144	23,033001	22,395599	184	17,4254	20,153799	
25	20,4013	16,1017	65	27,0909	22,6628	105	27,490299	26,2544	145	22,905001	22,3155	185	17,2771	20,1266	
26	20,5818	16,250799	66	27,244801	22,8379	106	27,349199	26,2428	146	22,777	22,235399	186	17,127199	20,098101	
27	20,7568	16,402901	67	27,3967	23,0147	107	27,171801	26,154301	147	22,647699	22,157	187	3,7226	28,5669	
28	20,937401	16,5555	68	27,5464	23,195	108	27,0751	26,0364	148	22,5166	22,079399	188	2,6502	28,567499	
29	21,1143	16,705999	69	27,6982	23,372601	109	26,9771	25,9196	149	22,3864	22,0035	189	1,5812	28,566799	
30	21,2903	16,8578	70	27,8459	23,552799	110	26,8797	25,802099	150	22,253201	21,927799	190	-0,0035	29,8678	
31	21,4685	17,0131	71	27,9967	23,7327	111	26,7808	25,685699	151	22,120399	21,8542	191	-0,007	30,6154	
32	21,644501	17,1677	72	28,1448	23,913799	112	26,681999	25,5697	152	21,9856	21,781401	192	-0,0073	31,409599	
33	21,8237	17,3241	73	28,296	24,096001	113	26,583099	25,455299	153	21,851801	21,7111				
34	21,9991	17,4823	74	28,441601	24,2803	114	26,482901	25,3405	154	21,716999	21,639601				
35	22,173	17,641199	75	28,590401	24,465099	115	26,382799	25,2262	155	21,5797	21,572201				
36	22,3466	17,797001	76	28,7358	24,646999	116	26,281601	25,115499	156	21,442301	21,503401				
37	22,5182	17,955	77	28,882401	24,8323	117	26,177799	25,004299	157	21,305099	21,437201				
38	22,6903	18,112	78	29,0273	25,017099	118	26,073799	24,8948	158	21,169399	21,372299				
39	22,862101	18,2735	79	29,1721	25,2026	119	25,9681	24,785101	159	21,0292	21,309299				
40	23,031	18,432699	80	29,312901	25,387899	120	25,864401	24,677401	160	20,891399	21,247499				



VDI 32 / Step 2 / Sección B / Después de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0001	-2,7481	41	22,204201	18,3258	81	28,1709	24,851999	121	23,978001	23,054501	161	11,9819	20,003201
2	-0,0011	-1,9762	42	22,578199	18,709499	82	28,284	24,981701	122	23,742599	22,883499	162	11,6294	20,073799
3	-0,0033	-1,1714	43	22,948601	19,0972	83	28,3976	25,110201	123	23,505699	22,710501	163	11,2805	20,158001
4	1,1249	0,0055	44	23,320299	19,486	84	28,5172	25,233999	124	23,259501	22,549801	164	10,9377	20,256701
5	1,9957	0,0047	45	23,6903	19,8724	85	28,641899	25,357599	125	23,0123	22,3971	165	10,5985	20,369801
6	2,8805	0,0071	46	24,0522	20,267401	86	28,7663	25,480101	126	22,7686	22,236099	166	10,2619	20,495399
7	7,4641	7,489	47	24,308001	20,5341	87	29,467199	25,611401	127	22,5229	22,079201	167	9,932	20,634501
8	7,8695	7,8543	48	24,429001	20,657	88	29,346701	25,792299	128	22,2707	21,935301	168	9,6072	20,789
9	8,2955	8,1905	49	24,548901	20,779499	89	29,2337	25,877701	129	22,0137	21,794701	169	9,2902	20,954201
10	8,7437	8,499	50	24,6647	20,905899	90	29,124399	25,926701	130	21,7577	21,658501	170	8,979	21,134001
11	9,2102	8,7807	51	24,7859	21,0259	91	29,018801	25,9531	131	21,4916	21,535999	171	8,678	21,3248
12	9,6939	9,035	52	24,903601	21,147499	92	28,9137	25,9629	132	21,2344	21,409599	172	8,3836	21,528
13	10,1871	9,2653	53	25,018999	21,2735	93	28,812099	25,9664	133	20,972401	21,2808	173	8,099	21,741699
14	10,6545	9,5365	54	25,132999	21,3995	94	28,710501	25,9557	134	20,703199	21,162901	174	7,8227	21,968201
15	11,1287	9,7936	55	25,2474	21,5231	95	28,6115	25,941299	135	20,433201	21,0494	175	7,5542	22,2068
16	11,6	10,0547	56	25,3606	21,649099	96	28,511101	25,919399	136	20,161501	20,9408	176	7,2923	22,4583
17	12,0694	10,3256	57	25,4753	21,772499	97	28,4123	25,8923	137	19,8895	20,8389	177	7,0446	22,7199
18	12,5341	10,6028	58	25,5881	21,899599	98	28,313801	25,8596	138	19,6152	20,743	178	6,8105	22,9886
19	12,9951	10,8832	59	25,6987	22,0287	99	28,213699	25,8293	139	19,341101	20,649599	179	6,5839	23,2686
20	13,4524	11,1743	60	25,8151	22,154699	100	28,1124	25,7981	140	19,063999	20,569401	180	6,3715	23,556
21	13,908	11,4697	61	25,928499	22,2827	101	28,0112	25,7756	141	18,7868	20,4785	181	6,1709	23,8498
22	14,3605	11,7689	62	26,044001	22,4081	102	27,9102	25,754499	142	18,5042	20,400999	182	5,9826	24,149599
23	14,8069	12,0789	63	26,162399	22,530899	103	27,8106	25,7321	143	18,2216	20,329399	183	5,8044	24,4597
24	15,2485	12,3883	64	26,275	22,6602	104	27,7085	25,712601	144	17,9377	20,260401	184	5,6416	24,7777
25	15,6842	12,7016	65	26,3869	22,7887	105	27,6066	25,688801	145	17,6513	20,1964	185	5,4904	25,1033
26	16,120001	13,0213	66	26,4979	22,918301	106	27,5061	25,6703	146	17,3668	20,1409	186	5,3541	25,433701
27	16,552999	13,3469	67	26,6115	23,047199	107	27,0996	25,711399	147	16,9202	20,0609	187	3,9215	28,5655
28	16,9807	13,676	68	26,717899	23,179899	108	26,782	25,5898	148	16,569	20,0072	188	2,5594	28,566099
29	17,4093	14,0041	69	26,8277	23,3104	109	26,5403	25,4128	149	16,212999	19,961201	189	1,198	28,564899
30	17,8367	14,3335	70	26,9426	23,437099	110	26,3533	25,1891	150	15,8568	19,923401	190	-0,0019	29,528799
31	18,246	14,6802	71	27,0585	23,563101	111	26,1558	24,974199	151	15,4999	19,892401	191	-0,0069	30,504601
32	18,6581	15,0262	72	27,1717	23,689199	112	25,952101	24,7617	152	15,1432	19,871	192	-0,0069	31,522301
33	19,070499	15,3756	73	27,2822	23,8181	113	25,741301	24,560699	153	14,7926	19,861799			
34	19,475599	15,7326	74	27,3922	23,9484	114	25,5378	24,351801	154	14,455	19,8519			
35	19,8752	16,0944	75	27,5037	24,0763	115	25,323	24,152201	155	14,1159	19,8477			
36	20,2707	16,4625	76	27,6127	24,2075	116	25,102501	23,9645	156	13,766	19,858			
37	20,669201	16,825701	77	27,724199	24,3356	117	24,8853	23,7752	157	13,4087	19,8668			
38	21,055401	17,196199	78	27,832399	24,4673	118	24,663099	23,5854	158	13,052	19,879299			
39	21,445299	17,5644	79	27,942101	24,5982	119	24,435699	23,4076	159	12,6952	19,905199			
40	21,8251	17,942801	80	28,0576	24,7239	120	24,208401	23,227699	160	12,3389	19,947001			

<i>VDI 32 / Step 2 / Sección C / Antes de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0009	-3,0683	41	23,1984	18,6029	81	29,536699	25,6957	121	25,200899	24,0578	161	18,459999	20,407499
2	0,001	-1,9515	42	23,3701	18,767099	82	29,680599	25,885401	122	25,0574	23,9277	162	18,2721	20,3585
3	0,0027	-0,8319	43	23,541201	18,931101	83	29,823299	26,074699	123	24,9114	23,8016	163	18,086599	20,312401
4	0,9306	0,0201	44	23,711901	19,096399	84	29,9653	26,2656	124	24,762501	23,675699	164	17,898899	20,2691
5	2,4641	0,0234	45	23,884199	19,2638	85	30,1052	26,4583	125	24,6119	23,5527	165	17,712099	20,226999
6	4,0093	0,0265	46	24,0541	19,431299	86	29,9436	26,464001	126	24,4601	23,430901	166	17,523199	20,187401
7	16,9578	13,4595	47	24,2227	19,6015	87	29,559299	26,441401	127	24,309601	23,3088	167	17,334299	20,152201
8	17,152599	13,5976	48	24,391399	19,7677	88	29,441401	26,431101	128	24,156099	23,1917	168	17,143499	20,115801
9	17,346399	13,7369	49	24,557899	19,938601	89	29,3272	26,422701	129	24,003401	23,0755	169	16,9517	20,081301
10	17,537399	13,877	50	24,724501	20,1082	90	29,215099	26,4128	130	23,8468	22,9622	170	16,760201	20,052401
11	17,729601	14,0179	51	24,8916	20,2771	91	29,1019	26,4041	131	23,691099	22,8475	171	16,565001	20,025801
12	17,919001	14,1596	52	25,055599	20,447701	92	28,989901	26,395599	132	23,529499	22,7381	172	16,3703	19,9977
13	18,110201	14,3016	53	25,219999	20,6182	93	28,877399	26,3859	133	23,372	22,6308	173	16,177099	19,973499
14	18,298201	14,4443	54	25,3825	20,7894	94	28,763599	26,3771	134	23,2108	22,5228	174	15,9839	19,9519
15	18,4888	14,587	55	25,546101	20,9629	95	28,6493	26,367399	135	23,049	22,4189	175	15,7913	19,934
16	18,6761	14,7311	56	25,7083	21,1366	96	28,536301	26,3563	136	22,8862	22,3162	176	15,5977	19,916901
17	18,8647	14,8781	57	25,871	21,3104	97	28,423401	26,3472	137	22,7216	22,2159	177	15,4089	19,9023
18	19,054399	15,0254	58	26,031401	21,486099	98	28,308599	26,3384	138	22,556999	22,117399	178	15,2149	19,8923
19	19,2437	15,1732	59	26,193001	21,6646	99	28,1971	26,3279	139	22,389999	22,020599	179	15,0221	19,8799
20	19,43	15,3239	60	26,3549	21,841101	100	28,0833	26,319	140	22,221399	21,924	180	14,8282	19,872101
21	19,616501	15,4725	61	26,513599	22,021099	101	27,969601	26,308901	141	22,050699	21,8312	181	14,6418	19,8689
22	19,802401	15,6224	62	26,673401	22,200199	102	27,8568	26,3009	142	21,880899	21,739	182	14,4589	19,8668
23	19,9855	15,7722	63	26,831699	22,377501	103	27,743799	26,291201	143	21,7087	21,6509	183	14,2759	19,864799
24	20,1696	15,9235	64	26,9876	22,5548	104	27,6301	26,2817	144	21,535801	21,5627	184	14,086	19,865601
25	20,3529	16,0753	65	27,143101	22,733601	105	27,5175	26,270201	145	21,3584	21,4781	185	13,8976	19,869699
26	20,535801	16,227501	66	27,296801	22,9135	106	27,4042	26,261499	146	21,186501	21,393801	186	13,71	19,876101
27	20,716801	16,3797	67	27,451099	23,094	107	27,0562	26,028	147	21,011	21,313999	187	4,1328	28,580799
28	20,8981	16,535801	68	27,603201	23,2761	108	26,932501	25,877701	148	20,8328	21,2351	188	2,5566	28,5819
29	21,0777	16,688999	69	27,757299	23,457001	109	26,8074	25,7295	149	20,6551	21,159201	189	0,983	28,582001
30	21,257601	16,8424	70	27,907301	23,639999	110	26,682699	25,5802	150	20,475201	21,0837	190	0,0007	29,610901
31	21,437201	16,999399	71	28,0606	23,822901	111	26,555099	25,4354	151	20,295	21,009899	191	-0,0034	30,502001
32	21,6168	17,156799	72	28,211201	24,007799	112	26,425301	25,2901	152	20,1157	20,940701	192	-0,0052	31,441799
33	21,7976	17,315001	73	28,361401	24,193899	113	26,2978	25,145901	153	19,938	20,8729			
34	21,976601	17,4744	74	28,5126	24,381001	114	26,167299	25,0049	154	19,755899	20,8092			
35	22,152599	17,6346	75	28,6616	24,5667	115	26,0334	24,866301	155	19,5748	20,741899			
36	22,3288	17,794399	76	28,8116	24,752399	116	25,900999	24,7269	156	19,389099	20,6814			
37	22,504	17,954399	77	28,9562	24,939899	117	25,766199	24,5912	157	19,2038	20,622499			
38	22,679899	18,114599	78	29,103201	25,128401	118	25,6273	24,455799	158	19,0175	20,5632			
39	22,8505	18,277399	79	29,249201	25,317499	119	25,485399	24,321501	159	18,833599	20,508801			
40	23,0254	18,4401	80	29,3939	25,5058	120	25,344101	24,188299	160	18,6469	20,456499			

VDI 32 / Step 2 / Sección C / Después de la erosión / Z= -1,15 mm constante																	
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,002	-2,7553	41	19,569901	15,7986	81	25,934401	22,2528	121	28,432199	25,938	161	23,702801	22,8591	201	17,5144	20,1817
2	-0,0001	-2,0056	42	19,8556	16,058201	82	26,068199	22,387199	122	28,3426	25,9112	162	23,584801	22,7777	202	17,2854	20,1429
3	0,0001	-1,2186	43	20,138599	16,322901	83	26,2001	22,524799	123	28,252501	25,879999	163	23,471001	22,693501	203	17,055901	20,099199
4	1,4215	0,0188	44	20,431299	16,577101	84	26,3265	22,6656	124	28,1654	25,8508	164	23,353201	22,612801	204	16,826799	20,061199
5	2,4251	0,021	45	20,713301	16,840401	85	26,452499	22,806101	125	28,0753	25,821899	165	23,2306	22,5404	205	16,5984	20,0257
6	3,4437	0,0233	46	20,991301	17,104601	86	26,5786	22,948999	126	27,982901	25,7985	166	23,109301	22,4639	206	16,3654	19,9967
7	4,7497	0,21	47	21,268299	17,3694	87	26,705601	23,0924	127	27,892	25,7798	167	22,995701	22,382	207	16,1353	19,9662
8	4,7567	0,5553	48	21,5443	17,637501	88	26,8312	23,2349	128	27,8002	25,760599	168	22,874001	22,308001	208	15,9021	19,941099
9	4,7569	0,9033	49	21,8193	17,907101	89	26,957199	23,376801	129	27,7085	25,7465	169	22,755301	22,229401	209	15,6706	19,918501
10	9,689	9,0404	50	21,8909	17,980301	90	27,0853	23,517	130	27,0315	25,726101	170	22,6336	22,1581	210	15,4396	19,9011
11	10,0375	9,2146	51	22,0273	18,1133	91	27,212299	23,658899	131	26,883801	25,660299	171	22,5084	22,092199	211	15,2046	19,887699
12	10,3844	9,392	52	22,1644	18,2465	92	27,335899	23,802799	132	26,743	25,591999	172	22,385401	22,022301	212	14,9772	19,8762
13	10,7217	9,5829	53	22,296499	18,385201	93	27,4561	23,947399	133	26,6269	25,5035	173	22,263901	21,949699	213	14,7572	19,870399
14	11,0581	9,7685	54	22,429001	18,5221	94	27,580299	24,0909	134	26,528601	25,4021	174	22,144501	21,877701	214	14,5395	19,864
15	11,3969	9,9538	55	22,557501	18,660801	95	27,7045	24,2344	135	26,429501	25,3015	175	22,019501	21,809799	215	14,3186	19,862101
16	11,7336	10,1451	56	22,691	18,796101	96	27,8251	24,379299	136	26,3416	25,1898	176	21,892	21,747999	216	14,0919	19,863701
17	12,0723	10,3374	57	22,821199	18,933701	97	27,947599	24,523899	137	26,2453	25,0835	177	21,7708	21,6803	217	13,8668	19,867701
18	12,4044	10,5356	58	22,952499	19,072001	98	28,068399	24,6688	138	26,149799	24,9788	178	21,644501	21,616501	218	13,6363	19,8759
19	12,7361	10,7368	59	23,082001	19,210899	99	28,192801	24,813801	139	26,051399	24,877399	179	21,5191	21,551901	219	13,4053	19,8818
20	13,067	10,9376	60	23,2143	19,3468	100	28,310801	24,9629	140	25,9526	24,774599	180	21,390301	21,490999	220	13,1746	19,888201
21	13,3917	11,1488	61	23,344	19,4858	101	28,437201	25,1078	141	25,854099	24,672001	181	21,263901	21,4265	221	12,9419	19,901699
22	13,7173	11,3613	62	23,475	19,6245	102	28,564899	25,249599	142	25,750999	24,5763	182	21,134701	21,3745	222	12,7102	19,923599
23	14,0457	11,5692	63	23,605301	19,76	103	28,6929	25,3943	143	25,6523	24,475	183	21,0079	21,3141	223	12,4781	19,9447
24	14,3689	11,7818	64	23,733999	19,9014	104	28,8305	25,530701	144	25,5439	24,380899	184	20,876699	21,257401	224	12,2453	19,974001
25	14,6914	12,0034	65	23,864401	20,0361	105	28,9569	25,674601	145	25,4426	24,2819	185	20,7484	21,1985	225	12,0153	20,0128
26	15,0092	12,2248	66	23,992701	20,1751	106	29,069099	25,8286	146	25,343399	24,181801	186	20,618999	21,139299	226	11,7847	20,0555
27	15,324	12,4455	67	24,123899	20,313101	107	29,1483	26,006201	147	25,2335	24,093201	187	20,4884	21,087	227	11,5561	20,104799
28	15,6372	12,6684	68	24,2516	20,4554	108	29,1703	26,2237	148	25,1355	23,9923	188	20,3561	21,0326	228	11,3289	20,160601
29	15,9503	12,8965	69	24,383801	20,5944	109	29,0728	26,530899	149	25,0242	23,905199	189	20,2227	20,984301	229	11,1051	20,222401
30	16,257999	13,1303	70	24,514099	20,7348	110	29,474001	25,796101	150	24,9237	23,808201	190	19,9702	20,880699	230	3,7736	28,580099
31	16,571699	13,3613	71	24,643101	20,875401	111	29,3682	25,902901	151	24,8148	23,718599	191	19,750601	20,804001	231	2,5097	28,586
32	16,880899	13,5937	72	24,7724	21,012501	112	29,2684	25,9676	152	24,704	23,6304	192	19,534201	20,7258	232	1,2459	28,5795
33	17,1896	13,8272	73	24,9028	21,1507	113	29,170401	26,0089	153	24,599199	23,5362	193	19,3139	20,6539	233	0,005	29,4562
34	17,4921	14,0689	74	25,0322	21,2855	114	29,0741	26,035	154	24,490999	23,4471	194	19,0935	20,5849	234	-0,001	30,4212
35	17,7939	14,3109	75	25,164801	21,421101	115	28,979799	26,0453	155	24,379999	23,358601	195	18,872	20,516899	235	-0,0043	31,4279
36	18,093901	14,5495	76	25,289	21,563499	116	28,888	26,046101	156	24,265699	23,278	196	18,6478	20,453501			
37	18,3937	14,7915	77	25,4202	21,6973	117	28,7943	26,0366	157	24,157301	23,1896	197	18,4219	20,3937			
38	18,6922	15,0383	78	25,5462	21,836599	118	28,7022	26,0217	158	24,0369	23,1178	198	18,1968	20,3365			
39	18,985399	15,2921	79	25,6738	21,978201	119	28,612499	25,995899	159	23,9349	23,0212	199	17,972401	20,2831			
40	19,2792	15,544	80	25,8048	22,114401	120	28,522499	25,9683	160	23,817101	22,942301	200	17,743799	20,232599			

VDI 32 / Step 3 / Sección A / Antes de la erosión / Z= -3,55 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0025	-2,894	41	17,5821	13,886	81	29,3971	25,489401	121	24,3972	23,354799	161	11,8016	20,0317
2	0,0036	-2,1358	42	18,0359	14,2206	82	29,629999	25,798901	122	24,2236	23,2174	162	11,3168	20,143
3	0,0057	-1,3277	43	18,486401	14,5624	83	29,8615	26,107901	123	24,048201	23,0856	163	10,8379	20,2805
4	1,2709	0	44	18,936001	14,9065	84	30,088699	26,4242	124	23,869699	22,953899	164	10,3698	20,446501
5	2,179	0,002	45	19,383301	15,2613	85	29,8162	26,440599	125	23,6891	22,825199	165	9,9055	20,6397
6	3,1051	0,0023	46	19,826	15,6176	86	29,428101	26,411699	126	23,506701	22,6989	166	9,4578	20,8592
7	4,7547	0,9165	47	20,281601	15,9901	87	29,245501	26,3983	127	23,3239	22,572599	167	9,0213	21,1019
8	4,762	1,4803	48	20,5795	16,238001	88	29,1406	26,3885	128	23,138901	22,451	168	8,6024	21,3699
9	4,7973	2,0359	49	20,8734	16,487101	89	29,036301	26,3813	129	22,953899	22,3335	169	8,1967	21,660299
10	4,8742	2,595	50	21,169201	16,737801	90	28,933001	26,3731	130	22,7665	22,217501	170	7,8101	21,9757
11	4,9847	3,152	51	21,460199	16,994101	91	28,8279	26,363199	131	22,5767	22,103399	171	7,4399	22,309
12	5,1314	3,7023	52	21,7526	17,252199	92	28,7241	26,3542	132	22,387899	21,9928	172	7,0915	22,667299
13	5,3167	4,2428	53	22,044701	17,511499	93	28,620001	26,344801	133	22,1973	21,884701	173	6,7631	23,0422
14	5,5325	4,7689	54	22,330999	17,771601	94	28,5149	26,336	134	22,001699	21,7794	174	6,4553	23,433701
15	5,7841	5,2799	55	22,6152	18,0345	95	28,412001	26,327499	135	21,806999	21,675301	175	6,1721	23,8402
16	6,072	5,7741	56	22,900299	18,2978	96	28,3081	26,319099	136	21,610001	21,5742	176	5,9122	24,2644
17	6,3871	6,2475	57	23,1831	18,564899	97	28,2024	26,310101	137	21,408199	21,475599	177	5,6734	24,705299
18	6,7333	6,699	58	23,4632	18,8332	98	28,0975	26,300699	138	21,208401	21,3799	178	5,4641	25,1569
19	7,1116	7,1276	59	23,7418	19,1017	99	27,993799	26,292999	139	21,0065	21,287901	179	5,2805	25,6196
20	7,5149	7,5318	60	24,020599	19,372801	100	27,889299	26,283199	140	20,802799	21,196199	180	5,1206	26,090401
21	7,9453	7,9091	61	24,2945	19,6469	101	27,785801	26,2726	141	20,6	21,106899	181	4,9965	26,5721
22	8,3971	8,2555	62	24,5695	19,923401	102	27,6807	26,2656	142	20,3939	21,0252	182	4,8917	27,055201
23	8,8711	8,5727	63	24,8407	20,199699	103	27,576401	26,2563	143	20,187599	20,9424	183	4,8157	27,543699
24	9,3639	8,8579	64	25,1091	20,4778	104	27,4715	26,247499	144	19,982901	20,8634	184	4,7686	28,0364
25	9,8722	9,1171	65	25,3766	20,7558	105	26,9139	25,8337	145	19,6089	20,730101	185	3,5574	28,553699
26	10,377	9,3785	66	25,6397	21,0399	106	26,770901	25,6628	146	19,139099	20,5746	186	2,427	28,5569
27	10,8753	9,6446	67	25,905701	21,3244	107	26,628	25,496	147	18,6605	20,4345	187	1,3034	28,557301
28	11,3741	9,9149	68	26,1681	21,611401	108	26,480801	25,330099	148	18,1791	20,309999	188	0,0014	29,816999
29	11,8687	10,1928	69	26,429501	21,901501	109	26,3316	25,1649	149	17,694401	20,197701	189	-0,0014	30,380899
30	12,3633	10,4747	70	26,690599	22,191601	110	26,1833	25,0021	150	17,206699	20,102699	190	-0,0014	30,9881
31	12,8534	10,7603	71	26,9443	22,483801	111	26,030001	24,840799	151	16,7159	20,020599			
32	13,34	11,0538	72	27,200001	22,7729	112	25,876301	24,684799	152	16,2209	19,9545			
33	13,8208	11,3482	73	27,4519	23,067699	113	25,719101	24,525101	153	15,7247	19,903			
34	14,3011	11,6464	74	27,7003	23,3641	114	25,5623	24,373199	154	15,225	19,867399			
35	14,7794	11,9514	75	27,948999	23,662201	115	25,401899	24,2192	155	14,7305	19,846399			
36	15,2526	12,2611	76	28,1938	23,962	116	25,24	24,069099	156	14,2538	19,840599			
37	15,7241	12,5771	77	28,4394	24,264601	117	25,0751	23,920099	157	13,7703	19,8514			
38	16,196699	12,8981	78	28,6835	24,5704	118	24,907	23,7747	158	13,2932	19,8634			
39	16,662201	13,2245	79	28,9235	24,8766	119	24,737301	23,6332	159	12,7962	19,890699			
40	17,123501	13,552	80	29,1621	25,183201	120	24,567499	23,492901	160	12,2971	19,945101			

VDI 32 / Step 3 / Sección A / Después de la erosión / Z= -3,55 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0034	-2,8344	42	13,9522	11,5078	83	25,3843	22,030199	124	24,6763	23,577	165	13,3791	19,719101	
2	0,006	-1,9191	43	14,3269	11,7667	84	25,607599	22,287201	125	24,479099	23,4233	166	12,9855	19,7292	
3	0,0056	-0,9978	44	14,6965	12,0232	85	25,828899	22,546	126	24,2864	23,2619	167	12,5917	19,7407	
4	0,9895	-0,0009	45	15,0683	12,2875	86	26,048201	22,8078	127	24,088301	23,1099	168	12,1954	19,7719	
5	2,214	0,0007	46	15,4336	12,5511	87	26,270599	23,0697	128	23,8855	22,961399	169	11,8009	19,820999	
6	3,4352	0,0004	47	15,7959	12,8204	88	26,496401	23,3302	129	23,673401	22,826099	170	11,4067	19,886499	
7	4,7489	0,1621	48	16,154699	13,0937	89	26,7211	23,586599	130	23,471701	22,673599	171	11,0192	19,9757	
8	4,754	0,4999	49	16,5131	13,3714	90	26,943199	23,8447	131	23,259399	22,5366	172	10,6295	20,072901	
9	4,7619	0,8365	50	16,8713	13,6544	91	27,1647	24,1	132	23,0511	22,392401	173	10,2457	20,190901	
10	4,756	1,3427	51	17,222401	13,9383	92	27,383801	24,3577	133	22,8356	22,263901	174	9,8769	20,347601	
11	4,782	1,7952	52	17,570999	14,2258	93	27,606001	24,6152	134	22,623199	22,126699	175	9,5096	20,505199	
12	4,8248	2,2452	53	17,917	14,5166	94	27,839001	24,865101	135	22,4042	22,0019	176	9,1456	20,6779	
13	4,8911	2,6953	54	18,2621	14,8058	95	28,0987	25,091801	136	22,181	21,8853	177	8,8059	20,890699	
14	4,9843	3,1424	55	18,601	15,1006	96	28,3778	25,3083	137	21,963499	21,758801	178	8,4729	21,1106	
15	5,0975	3,5813	56	18,936501	15,3985	97	28,6486	25,5322	138	21,742901	21,641701	179	8,1471	21,3395	
16	5,2329	4,0135	57	19,2722	15,703	98	28,858801	25,8029	139	21,513201	21,535999	180	7,8465	21,606001	
17	5,3869	4,4426	58	19,6073	16,0112	99	28,9524	26,159901	140	21,290501	21,415701	181	7,5502	21,881001	
18	5,5636	4,8613	59	19,935801	16,317101	100	29,193199	25,7962	141	21,0613	21,311001	182	7,2663	22,163401	
19	5,7625	5,2733	60	19,9652	16,346201	101	29,0026	25,9095	142	20,833401	21,207701	183	7,0026	22,462099	
20	5,9838	5,6735	61	20,2124	16,5837	102	28,815701	25,9475	143	20,599001	21,114799	184	6,7328	22,7549	
21	6,2237	6,0613	62	20,4615	16,822399	103	28,6371	25,935699	144	20,365101	21,0219	185	6,5165	23,0874	
22	6,4934	6,4293	63	20,7064	17,0606	104	28,460501	25,890699	145	20,134899	20,919201	186	6,3001	23,418699	
23	6,7785	6,7837	64	20,947399	17,302799	105	28,285	25,8307	146	19,9011	20,831499	187	6,0957	23,7542	
24	7,0907	7,115	65	21,191	17,5452	106	28,110701	25,7479	147	19,663601	20,748199	188	5,9029	24,0963	
25	7,4112	7,4357	66	21,430201	17,7899	107	27,9345	25,666401	148	19,424101	20,6695	189	5,7253	24,4475	
26	7,751	7,7424	67	21,6733	18,0312	108	27,7591	25,5917	149	19,188101	20,5896	190	5,5685	24,807199	
27	8,1026	8,0349	68	21,9156	18,2791	109	27,582701	25,528299	150	19,0802	20,559601	191	5,4267	25,1696	
28	8,4728	8,3088	69	22,150499	18,528999	110	27,7318	25,6539	151	18,7085	20,453501	192	5,2973	25,535299	
29	8,8525	8,5597	70	22,3855	18,781099	111	27,4195	25,561199	152	18,3344	20,340599	193	5,1832	25,903799	
30	9,2445	8,7892	71	22,619499	19,0296	112	27,124201	25,4622	153	17,958799	20,248301	194	5,0712	26,271799	
31	9,6465	9,0004	72	22,8533	19,2764	113	26,8521	25,3533	154	17,581699	20,156799	195	4,9789	26,6453	
32	10,0495	9,2053	73	23,0882	19,5215	114	26,604099	25,228001	155	17,2038	20,074699	196	4,8991	27,0228	
33	10,4514	9,4156	74	23,321899	19,768	115	26,370399	25,0926	156	16,821699	20,0119	197	4,8378	27,400299	
34	10,848	9,6292	75	23,551901	20,0177	116	26,159401	24,941	157	16,436399	19,935101	198	4,7939	27,7806	
35	11,247	9,8452	76	23,7831	20,2659	117	25,9695	24,7726	158	16,048901	19,8937	199	4,7637	28,129499	
36	11,642	10,0677	77	24,0144	20,517799	118	25,792999	24,594601	159	15,6612	19,8417	200	3,6334	28,556499	
37	12,0325	10,2962	78	24,2446	20,7712	119	25,6131	24,417801	160	15,2899	19,792601	201	2,3345	28,5557	
38	12,4216	10,5279	79	24,4757	21,0198	120	25,428499	24,2421	161	14,9296	19,765499	202	1,0427	28,556101	
39	12,8098	10,7706	80	24,703899	21,273701	121	25,238899	24,0767	162	14,5446	19,743401	203	0,0061	29,413401	
40	13,1933	11,0099	81	24,9342	21,521799	122	25,052099	23,9065	163	14,1557	19,7325	204	-0,0012	30,5016	
41	13,5747	11,2596	82	25,1623	21,7745	123	24,867399	23,7397	164	13,7688	19,7269	205	0,0007	31,603001	

VDI 32 / Step 3 / Sección B / Antes de la erosión / Z= -2,35 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0024	-2,7993	41	18,763201	14,7863	81	29,3004	25,374599	121	23,739599	22,874201	161	10,6305	20,363701	
2	0,0065	-1,8741	42	19,244499	15,1651	82	29,501699	25,638901	122	23,5161	22,7162	162	10,2142	20,519699	
3	0,0063	-0,9038	43	19,7251	15,5458	83	29,7026	25,906	123	23,2862	22,5625	163	9,8066	20,697701	
4	1,1378	0,0108	44	20,197901	15,9326	84	29,9004	26,1738	124	23,0583	22,4121	164	9,4096	20,8955	
5	2,2765	0,0142	45	20,664499	16,3228	85	30,0996	26,4445	125	22,8263	22,267599	165	9,0241	21,1115	
6	3,4309	0,014	46	21,128099	16,7174	86	29,849899	26,455	126	22,594	22,124399	166	8,6519	21,3487	
7	4,755	0,9312	47	21,540701	17,077	87	29,4876	26,429399	127	22,3559	21,987101	167	8,2904	21,6026	
8	4,7622	1,5305	48	21,7929	17,2992	88	29,3585	26,418699	128	22,1182	21,8545	168	7,9424	21,874399	
9	4,8072	2,1369	49	22,0438	17,524401	89	29,2376	26,409	129	21,8764	21,7243	169	7,608	22,165001	
10	4,8971	2,7385	50	22,292299	17,747601	90	29,114901	26,3992	130	21,6327	21,5989	170	7,2869	22,472	
11	5,0266	3,338	51	22,5382	17,9748	91	28,992599	26,3887	131	21,382299	21,476	171	6,9833	22,795099	
12	5,2003	3,9272	52	22,7833	18,201599	92	28,871099	26,378401	132	21,1348	21,3589	172	6,6986	23,130301	
13	5,4114	4,5018	53	23,0277	18,43	93	28,746901	26,367701	133	20,8822	21,2446	173	6,4297	23,4783	
14	5,6664	5,0599	54	23,2707	18,6574	94	28,6238	26,3575	134	20,629	21,132401	174	6,1799	23,839899	
15	5,9563	5,5985	55	23,5107	18,8908	95	28,5007	26,3465	135	20,374399	21,028299	175	5,9495	24,2173	
16	6,287	6,1162	56	23,749701	19,124001	96	28,378401	26,3367	136	20,1178	20,927799	176	5,7314	24,6054	
17	6,6507	6,6078	57	23,9888	19,358	97	28,255501	26,3265	137	19,860701	20,8323	177	5,5369	24,9998	
18	7,0492	7,0742	58	24,230499	19,5942	98	28,132	26,317699	138	19,6036	20,741199	178	5,365	25,4058	
19	7,4816	7,5134	59	24,4664	19,8298	99	28,008101	26,306299	139	19,344601	20,653999	179	5,2136	25,822599	
20	7,9435	7,9192	60	24,701799	20,0688	100	27,885201	26,294701	140	19,084101	20,570601	180	5,0823	26,241899	
21	8,4319	8,2928	61	24,9349	20,308701	101	27,764099	26,282499	141	18,8204	20,493	181	4,9732	26,669201	
22	8,9459	8,6297	62	25,164499	20,547899	102	27,639799	26,274401	142	18,556499	20,417	182	4,8848	27,0991	
23	9,4794	8,9303	63	25,3967	20,786699	103	27,5163	26,263201	143	18,2897	20,348101	183	4,8182	27,530899	
24	10,0264	9,2067	64	25,6224	21,033199	104	27,394699	26,252199	144	18,0256	20,2845	184	4,7731	27,9676	
25	10,5671	9,4915	65	25,8501	21,278799	105	26,9319	25,870701	145	17,575001	20,185301	185	4,0681	28,5662	
26	11,1029	9,7783	66	26,078699	21,524401	106	26,7547	25,6593	146	17,1411	20,1035	186	2,5827	28,569599	
27	11,6365	10,0763	67	26,3043	21,774599	107	26,579201	25,4499	147	16,705999	20,0319	187	1,1028	28,569599	
28	12,1709	10,3767	68	26,5294	22,0229	108	26,3946	25,245899	148	16,2663	19,973101	188	0,0055	29,377899	
29	12,7016	10,6831	69	26,752399	22,2749	109	26,209	25,042999	149	15,8264	19,924	189	-0,0004	30,326799	
30	13,2257	10,9947	70	26,9716	22,525299	110	26,019699	24,8433	150	15,3856	19,8901	190	-0,0016	31,3235	
31	13,7447	11,3128	71	27,191999	22,7764	111	25,8291	24,647301	151	14,9472	19,866501				
32	14,2632	11,6337	72	27,4081	23,0303	112	25,633699	24,4548	152	14,5089	19,8552				
33	14,7789	11,9637	73	27,624399	23,2833	113	25,4352	24,2631	153	14,0894	19,853901				
34	15,2866	12,2981	74	27,838301	23,5394	114	25,235701	24,075899	154	13,6641	19,8654				
35	15,7969	12,6371	75	28,049601	23,7971	115	25,030899	23,893	155	13,2329	19,877399				
36	16,3036	12,9847	76	28,2616	24,0569	116	24,820801	23,7129	156	12,7936	19,902201				
37	16,8029	13,335	77	28,473	24,3188	117	24,6108	23,5403	157	12,35	19,9503				
38	17,3008	13,6912	78	28,683001	24,5823	118	24,398701	23,367901	158	11,9088	20,022499				
39	17,790899	14,0503	79	28,890699	24,846399	119	24,181299	23,200199	159	11,4762	20,114401				
40	18,2785	14,4147	80	29,095699	25,1115	120	23,9638	23,0352	160	11,0501	20,2281				

<i>VDI 32 / Step 3 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0025	-2,7755	42	14,261	11,7281	83	25,4352	22,086901	124	24,9144	23,788	165	13,6871	19,7325
2	0,0047	-1,9418	43	14,6469	11,9952	84	25,6439	22,322399	125	24,7267	23,636499	166	13,2858	19,732
3	0,0051	-1,0971	44	15,0297	12,264	85	25,8501	22,562401	126	24,5418	23,481899	167	12,885	19,746201
4	1,287	0,0105	45	15,4091	12,5416	86	26,0567	22,8036	127	24,3545	23,3314	168	12,482	19,7672
5	2,4983	0,0113	46	15,7815	12,8214	87	26,2616	23,0473	128	24,1653	23,183599	169	12,0732	19,7934
6	3,7041	0,0119	47	16,153601	13,1061	88	26,4678	23,2892	129	23,9704	23,0401	170	11,6725	19,8587
7	4,7521	0,2778	48	16,523899	13,3938	89	26,6731	23,529699	130	23,777599	22,8974	171	11,2673	19,9175
8	4,753	0,5465	49	16,893801	13,6837	90	26,8801	23,767099	131	23,580799	22,756701	172	10,8711	20,0156
9	4,7567	0,8165	50	17,259199	13,9779	91	27,0833	24,009701	132	23,3836	22,6178	173	10,4745	20,125299
10	4,7582	1,2	51	17,6196	14,2757	92	27,287701	24,247499	133	23,1779	22,4863	174	10,0895	20,2714
11	4,7707	1,6655	52	17,978399	14,5746	93	27,4974	24,4834	134	22,976101	22,3549	175	9,7104	20,4261
12	4,8076	2,1341	53	18,329901	14,8796	94	27,708401	24,7181	135	22,771	22,2283	176	9,3386	20,599701
13	4,8737	2,6006	54	18,677099	15,1865	95	27,934999	24,9403	136	22,5639	22,1035	177	8,9747	20,787001
14	4,9619	3,0644	55	19,0273	15,4956	96	28,1558	25,169001	137	22,357	21,9835	178	8,6086	20,9788
15	5,0766	3,5216	56	19,374399	15,8105	97	28,35	25,4179	138	22,1455	21,8657	179	8,2948	21,246901
16	5,2153	3,9708	57	19,7197	16,126801	98	28,4858	25,7155	139	21,931999	21,7542	180	7,9769	21,505699
17	5,3743	4,4145	58	20,0606	16,4422	99	28,5446	26,069201	140	21,716499	21,641701	181	7,6678	21,778601
18	5,5555	4,85	59	20,3978	16,762199	100	28,7859	25,616699	141	21,502199	21,531601	182	7,3873	22,078699
19	5,7607	5,2759	60	20,432199	16,7992	101	28,628799	25,687599	142	21,281	21,4286	183	7,099	22,3661
20	5,99	5,6937	61	20,6607	17,0203	102	28,480301	25,718399	143	21,062099	21,3281	184	6,8377	22,68
21	6,2447	6,0914	62	20,886801	17,243799	103	28,3333	25,7237	144	20,8445	21,2246	185	6,5933	23,0058
22	6,517	6,4782	63	21,108299	17,469299	104	28,1873	25,7026	145	20,6229	21,1266	186	6,368	23,341299
23	6,8184	6,8416	64	21,3305	17,695801	105	28,043699	25,667299	146	20,398899	21,037201	187	6,1473	23,679199
24	7,1436	7,1819	65	21,5541	17,923599	106	27,899599	25,6264	147	20,174601	20,947599	188	5,9483	24,028601
25	7,481	7,5113	66	21,7775	18,154499	107	27,756001	25,5826	148	19,9471	20,8633	189	5,7642	24,388599
26	7,8362	7,8296	67	22,0009	18,3846	108	27,6129	25,5303	149	19,721901	20,780199	190	5,5972	24,751699
27	8,2107	8,1267	68	22,2201	18,6168	109	27,469299	25,4869	150	19,507799	20,7027	191	5,4471	25,122601
28	8,5961	8,4043	69	22,437799	18,8466	110	27,9415	25,7139	151	19,131599	20,581499	192	5,3157	25,498301
29	8,995	8,6577	70	22,6513	19,0807	111	27,6486	25,633499	152	18,748899	20,468399	193	5,1946	25,8743
30	9,4047	8,8897	71	22,863899	19,3137	112	27,3536	25,5436	153	18,365999	20,3591	194	5,0803	26,254499
31	9,8249	9,103	72	23,0798	19,541901	113	27,0725	25,4499	154	17,980801	20,2651	195	4,9829	26,6369
32	10,2396	9,316	73	23,300501	19,767599	114	26,8165	25,340401	155	17,596001	20,174	196	4,8992	27,0249
33	10,6547	9,5334	74	23,5212	19,991699	115	26,5711	25,2285	156	17,2075	20,0882	197	4,8382	27,412701
34	11,0666	9,7578	75	23,737301	20,2174	116	26,353701	25,0919	157	16,8153	20,015301	198	4,7924	27,8016
35	11,4775	9,9836	76	23,9508	20,450899	117	26,153999	24,9436	158	16,4186	19,955299	199	4,7651	28,1532
36	11,882	10,2183	77	24,1677	20,681601	118	25,9688	24,783501	159	16,024401	19,8986	200	3,9652	28,570101
37	12,2869	10,4571	78	24,3822	20,9146	119	25,7959	24,614901	160	15,625	19,8505	201	2,6281	28,5695
38	12,6896	10,7018	79	24,5961	21,148399	120	25,620501	24,447599	161	15,2501	19,8095	202	1,2886	28,569799
39	13,0865	10,9537	80	24,804001	21,3857	121	25,446699	24,278	162	14,8801	19,780001	203	0,005	29,437401
40	13,4817	11,2072	81	25,0149	21,6185	122	25,2644	24,119699	163	14,4834	19,761	204	-0,0018	30,5613
41	13,8746	11,4651	82	25,2237	21,853001	123	25,096901	23,944799	164	14,0847	19,7505	205	-0,0003	31,7003

VDI 32 / Step 3 / Sección C / Antes de la erosión / Z= -1,15 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0031	-3,0018	41	17,7337	14,0195	81	28,803301	24,7463	121	23,9793	23,058599	161	11,4081	20,1425
2	0,0039	-2,1279	42	18,196301	14,3645	82	29,025999	25,0338	122	23,7416	22,8874	162	11,03	20,2446
3	0,0078	-1,2053	43	18,6551	14,7165	83	29,249701	25,319099	123	23,500099	22,7174	163	10,6568	20,365101
4	0,9258	0,0222	44	19,116699	15,0733	84	29,4659	25,607901	124	23,256201	22,552799	164	10,2875	20,499701
5	2,1473	0,025	45	19,572399	15,4363	85	29,6845	25,8955	125	23,010099	22,3934	165	9,9237	20,655199
6	3,3824	0,0264	46	20,0229	15,8024	86	29,900801	26,1852	126	22,760599	22,237301	166	9,5672	20,8251
7	4,7528	0,7097	47	20,191	15,937	87	30,009001	26,472601	127	22,508301	22,088301	167	9,2195	21,0091
8	4,7546	1,2856	48	20,467501	16,1703	88	29,863701	26,466	128	22,2544	21,942101	168	8,8818	21,209299
9	4,7824	1,8544	49	20,743799	16,401699	89	29,7232	26,4566	129	21,997299	21,8001	169	8,5545	21,4252
10	4,8456	2,427	50	21,02	16,6369	90	29,580299	26,4464	130	21,735901	21,6658	170	8,2338	21,654499
11	4,9418	2,9965	51	21,2946	16,8724	91	29,4382	26,4356	131	21,4716	21,528999	171	7,9265	21,898701
12	5,0843	3,5614	52	21,5672	17,112801	92	29,2987	26,4254	132	21,2069	21,4041	172	7,6305	22,1562
13	5,2598	4,1175	53	21,8409	17,354	93	29,1581	26,413401	133	20,935699	21,2805	173	7,344	22,426701
14	5,4725	4,6572	54	22,112	17,5984	94	29,0154	26,402	134	20,666	21,160999	174	7,0707	22,710899
15	5,7242	5,1814	55	22,380699	17,8421	95	28,874901	26,391399	135	20,392099	21,0499	175	6,8121	23,004999
16	6,0062	5,6907	56	22,6486	18,0867	96	28,732401	26,377399	136	20,1187	20,9403	176	6,5658	23,309601
17	6,3213	6,1785	57	22,9149	18,3337	97	28,590401	26,365801	137	19,844101	20,8375	177	6,3338	23,6245
18	6,6703	6,6425	58	23,1751	18,583	98	28,448299	26,353001	138	19,5679	20,7397	178	6,1165	23,9505
19	7,0496	7,0857	59	23,4366	18,833799	99	28,3062	26,342699	139	19,289801	20,6474	179	5,9135	24,285299
20	7,4567	7,5029	60	23,6978	19,084999	100	28,1649	26,3309	140	19,010099	20,558901	180	5,7229	24,6334
21	7,894	7,8888	61	23,9575	19,3391	101	28,021999	26,319099	141	18,726601	20,476999	181	5,5506	24,983999
22	8,3539	8,2486	62	24,219	19,5949	102	27,880199	26,3067	142	18,443501	20,4002	182	5,3954	25,343
23	8,8363	8,5746	63	24,4774	19,8515	103	27,7395	26,294701	143	18,1574	20,327801	183	5,2565	25,7118
24	9,3387	8,8664	64	24,731501	20,1105	104	27,5952	26,2819	144	17,872999	20,259701	184	5,1312	26,0812
25	9,8568	9,1325	65	24,983999	20,371799	105	27,453199	26,2691	145	17,5861	20,197599	185	5,0277	26,4571
26	10,3737	9,4015	66	25,2332	20,632099	106	27,3109	26,258499	146	17,2981	20,1439	186	4,9378	26,840799
27	10,8843	9,6743	67	25,483999	20,891899	107	26,9492	25,9004	147	16,8342	20,063299	187	3,9928	28,5781
28	11,3932	9,9496	68	25,7321	21,157301	108	26,7572	25,674299	148	16,444599	20,0063	188	2,6943	28,580099
29	11,898	10,2321	69	25,9765	21,427401	109	26,5669	25,4508	149	16,055	19,9596	189	1,4019	28,5804
30	12,4029	10,5217	70	26,2255	21,695999	110	26,3699	25,231701	150	15,6642	19,9217	190	0,0043	29,469299
31	12,906	10,8164	71	26,4666	21,966299	111	26,171101	25,0144	151	15,2701	19,894501	191	-0,0018	30,372801
32	13,4031	11,1143	72	26,709499	22,2388	112	25,9676	24,8008	152	14,8832	19,875401	192	-0,0012	31,3242
33	13,892	11,4148	73	26,948099	22,5121	113	25,761	24,591	153	14,4935	19,866301			
34	14,3841	11,7229	74	27,184999	22,784201	114	25,5515	24,3866	154	14,1191	19,865801			
35	14,8726	12,0362	75	27,422899	23,058399	115	25,337	24,184	155	13,74	19,8741			
36	15,3568	12,3528	76	27,6558	23,3333	116	25,120501	23,9853	156	13,3676	19,885799			
37	15,8407	12,6785	77	27,888399	23,612	117	24,8967	23,7906	157	12,969	19,902201			
38	16,3211	13,0083	78	28,1166	23,8934	118	24,671101	23,6035	158	12,5769	19,936001			
39	16,796801	13,3376	79	28,3451	24,1759	119	24,445	23,416201	159	12,1825	19,987301			
40	17,266701	13,6788	80	28,574499	24,4606	120	24,2148	23,236099	160	11,7917	20,0562			



<i>VDI 32 / Step 3 / Sección C / Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0024	-2,8541	42	13,4929	11,2201	83	25,071301	21,6964	124	24,684601	23,6092	165	13,1977	19,748501
2	0,0051	-1,9023	43	13,8577	11,4599	84	25,307501	21,962299	125	24,4884	23,4464	166	12,8046	19,752899
3	0,0059	-0,9399	44	14,2187	11,7055	85	25,547001	22,2267	126	24,288401	23,2894	167	12,4088	19,781099
4	1,3108	0,0219	45	14,5805	11,9515	86	25,7894	22,490101	127	24,079599	23,140301	168	12,0122	19,822201
5	2,5265	0,0231	46	14,9365	12,2066	87	26,0354	22,753	128	23,872	22,9902	169	11,6197	19,884899
6	3,7361	0,0232	47	15,2929	12,4593	88	26,2712	23,025	129	23,6703	22,832899	170	11,2252	19,950701
7	4,7512	0,2245	48	15,6415	12,715	89	26,5119	23,2927	130	23,4592	22,686701	171	10,8331	20,0359
8	4,7514	0,5785	49	15,9901	12,9761	90	26,75	23,559	131	23,247	22,5432	172	10,4457	20,1441
9	4,7537	0,933	50	16,336599	13,2429	91	26,9846	23,8309	132	23,030899	22,402901	173	10,0649	20,2735
10	4,7555	1,3114	51	16,681801	13,5141	92	27,2236	24,0963	133	22,7974	22,291	174	9,6956	20,4342
11	4,7745	1,7502	52	17,0261	13,7829	93	27,4611	24,3631	134	22,5825	22,153	175	9,3348	20,607901
12	4,8144	2,1868	53	17,365101	14,0588	94	27,6924	24,6369	135	22,371	22,009501	176	8,9857	20,8053
13	4,8736	2,6211	54	17,7033	14,3341	95	27,931801	24,901199	136	22,1455	21,883499	177	8,6437	21,0103
14	4,9554	3,053	55	18,036301	14,611	96	28,1868	25,156	137	21,923901	21,758801	178	8,3146	21,244301
15	5,0611	3,4785	56	18,365101	14,8915	97	28,4345	25,420799	138	21,694201	21,6411	179	8,0011	21,495501
16	5,1895	3,8988	57	18,693899	15,1725	98	28,616501	25,7356	139	21,465	21,5245	180	7,7035	21,7652
17	5,332	4,3134	58	19,020599	15,4613	99	28,630899	26,1733	140	21,232201	21,4167	181	7,4164	22,047701
18	5,4909	4,7216	59	19,3421	15,758	100	28,8762	25,667999	141	20,996099	21,3111	182	7,1408	22,337799
19	5,6757	5,1196	60	19,334999	15,7513	101	28,705601	25,768299	142	20,765499	21,2017	183	6,8834	22,641001
20	5,8803	5,513	61	19,6015	15,9963	102	28,5432	25,815599	143	20,5284	21,1012	184	6,6457	22,960699
21	6,1059	5,8925	62	19,8654	16,2425	103	28,3841	25,8179	144	20,2841	21,0193	185	6,4086	23,2764
22	6,3476	6,2603	63	20,128599	16,490299	104	28,226299	25,806101	145	20,0506	20,916599	186	6,1968	23,609301
23	6,615	6,6101	64	20,3888	16,740299	105	28,068399	25,7677	146	19,811899	20,8221	187	5,9994	23,951
24	6,9023	6,9403	65	20,6485	16,988001	106	27,9144	25,701401	147	19,5702	20,7418	188	5,8194	24,3008
25	7,2077	7,2555	66	20,906	17,2363	107	27,760401	25,633499	148	19,3234	20,6761	189	5,647	24,6565
26	7,5229	7,5604	67	21,1611	17,488199	108	27,605499	25,584	149	19,078199	20,5991	190	5,495	25,0149
27	7,8549	7,8556	68	21,416599	17,7428	109	27,450399	25,5291	150	18,927099	20,5338	191	5,3602	25,381901
28	8,2013	8,1338	69	21,6695	18,002701	110	27,810699	25,7265	151	18,549601	20,434401	192	5,2378	25,749001
29	8,5602	8,3902	70	21,9219	18,265699	111	27,4846	25,6362	152	18,1754	20,333099	193	5,1214	26,116301
30	8,9295	8,6294	71	22,1716	18,527	112	27,1763	25,540199	153	17,798901	20,2325	194	5,0196	26,491301
31	9,31	8,8491	72	22,417601	18,7903	113	26,8988	25,4289	154	17,42	20,1534	195	4,9331	26,8675
32	9,7024	9,0494	73	22,6632	19,052401	114	26,641001	25,3055	155	17,039801	20,078899	196	4,8618	27,248501
33	10,0889	9,2473	74	22,9077	19,3144	115	26,403299	25,1675	156	16,658001	19,997	197	4,8097	27,628799
34	10,476	9,4519	75	23,1507	19,577499	116	26,192301	25,0093	157	16,268101	19,9405	198	4,773	27,9928
35	10,861	9,6593	76	23,3932	19,839399	117	26,0012	24,832701	158	15,8819	19,886101	199	4,7561	28,3431
36	11,2433	9,8663	77	23,634001	20,100401	118	25,822599	24,6464	159	15,4931	19,841499	200	3,6002	28,5826
37	11,6239	10,0808	78	23,8724	20,3643	119	25,637199	24,468901	160	15,1281	19,807899	201	2,3701	28,579901
38	12,0013	10,2974	79	24,116501	20,628401	120	25,4531	24,289499	161	14,7604	19,7878	202	1,1427	28,58
39	12,3778	10,523	80	24,3601	20,8939	121	25,2672	24,112499	162	14,3699	19,7619	203	0,0064	29,2274
40	12,7513	10,7519	81	24,6019	21,1579	122	25,0774	23,9403	163	13,9804	19,7579	204	-0,0031	30,5256
41	13,1236	10,982	82	24,836901	21,4258	123	24,866301	23,792801	164	13,5927	19,7458	205	-0,001	31,844999

VDI 32 / Step 4 / Sección A / Antes de la erosión / Z= -3,55 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0059	-2,8766	41	17,596201	13,8875	81	29,4161	25,506599	121	24,4105	23,3599	161	11,786	20,0317	
2	0,0056	-2,1113	42	18,0527	14,2245	82	29,650101	25,814501	122	24,2355	23,223499	162	11,2997	20,143999	
3	0,0062	-1,3077	43	18,503901	14,5651	83	29,879999	26,125999	123	24,058399	23,089899	163	10,8195	20,2868	
4	1,2501	0,0015	44	18,951799	14,9126	84	30,1096	26,437901	124	23,881701	22,957899	164	10,3452	20,453899	
5	2,1593	-0,0033	45	19,398399	15,2642	85	29,8092	26,440399	125	23,6994	22,8291	165	9,8842	20,649599	
6	3,0861	-0,0018	46	19,8454	15,6218	86	29,4256	26,411301	126	23,5182	22,7019	166	9,434	20,8703	
7	4,7619	0,938	47	20,298599	15,9961	87	29,2439	26,3969	127	23,335199	22,577299	167	9,0007	21,1138	
8	4,7714	1,4997	48	20,597	16,2444	88	29,1353	26,3876	128	23,1499	22,4561	168	8,5787	21,386	
9	4,8122	2,0645	49	20,8922	16,495399	89	29,030199	26,378	129	22,963301	22,3372	169	8,1734	21,6784	
10	4,8888	2,6248	50	21,1852	16,746201	90	28,926001	26,3699	130	22,775299	22,2209	170	7,7843	21,9953	
11	5,0033	3,1785	51	21,4786	17,000099	91	28,820999	26,361099	131	22,587799	22,107401	171	7,4174	22,333099	
12	5,1521	3,7258	52	21,7705	17,256701	92	28,718	26,353001	132	22,3976	21,9956	172	7,0684	22,6915	
13	5,3354	4,2634	53	22,061701	17,518999	93	28,6119	26,344601	133	22,2027	21,884899	173	6,7404	23,067301	
14	5,5553	4,7885	54	22,3507	17,781099	94	28,509899	26,335699	134	22,0082	21,7789	174	6,4378	23,4606	
15	5,8088	5,2974	55	22,636	18,0434	95	28,4049	26,326	135	21,810801	21,6759	175	6,1565	23,8671	
16	6,0974	5,7904	56	22,9198	18,304399	96	28,3004	26,3172	136	21,611099	21,5735	176	5,8991	24,298	
17	6,4123	6,2603	57	23,2017	18,5707	97	28,194599	26,307501	137	21,412001	21,4755	177	5,6644	24,736799	
18	6,7582	6,7076	58	23,481001	18,840099	98	28,091	26,2967	138	21,2113	21,3799	178	5,4567	25,1917	
19	7,132	7,1329	59	23,7603	19,1098	99	27,986	26,2896	139	21,0091	21,2873	179	5,2736	25,6535	
20	7,5355	7,5343	60	24,0368	19,3818	100	27,880699	26,280399	140	20,8067	21,195999	180	5,1189	26,126699	
21	7,9645	7,9098	61	24,3123	19,653099	101	27,7757	26,270901	141	20,601101	21,1092	181	4,9922	26,608601	
22	8,4143	8,2566	62	24,586	19,932501	102	27,672899	26,263201	142	20,396299	21,0236	182	4,8941	27,092699	
23	8,8866	8,5713	63	24,8605	20,212	103	27,568001	26,253799	143	20,1924	20,9426	183	4,8211	27,577999	
24	9,3776	8,854	64	25,1297	20,492901	104	27,462999	26,2453	144	19,9855	20,864201	184	4,7755	28,067499	
25	9,8801	9,1116	65	25,398399	20,772301	105	26,9305	25,844999	145	19,612101	20,7285	185	3,5618	28,553101	
26	10,3837	9,3756	66	25,6598	21,053101	106	26,788	25,6745	146	19,1388	20,5746	186	2,4342	28,5534	
27	10,885	9,6435	67	25,9228	21,3363	107	26,642799	25,505501	147	18,659599	20,43	187	1,3104	28,5539	
28	11,3828	9,915	68	26,185801	21,623699	108	26,496401	25,337999	148	18,1789	20,305	188	0,0062	29,844299	
29	11,8774	10,191	69	26,445499	21,911699	109	26,349899	25,172501	149	17,6936	20,195601	189	0,0038	30,401699	
30	12,3709	10,4747	70	26,703699	22,2047	110	26,196501	25,0096	150	17,2038	20,0987	190	0,0034	31,0089	
31	12,8633	10,7615	71	26,961599	22,498199	111	26,045601	24,8491	151	16,709999	20,0163				
32	13,3511	11,0529	72	27,215	22,7887	112	25,890301	24,6898	152	16,216499	19,950701				
33	13,8358	11,3498	73	27,4671	23,0828	113	25,733299	24,5326	153	15,7182	19,8999				
34	14,3127	11,648	74	27,7167	23,380301	114	25,5756	24,379601	154	15,2236	19,8641				
35	14,7914	11,9535	75	27,9646	23,677299	115	25,415899	24,228201	155	14,7299	19,843				
36	15,2671	12,2641	76	28,210501	23,977699	116	25,2526	24,0763	156	14,2606	19,837601				
37	15,7386	12,5785	77	28,4536	24,2799	117	25,0882	23,9268	157	13,7801	19,8456				
38	16,2101	12,9002	78	28,6973	24,584499	118	24,9223	23,7827	158	13,2805	19,8592				
39	16,676201	13,2265	79	28,940201	24,890699	119	24,753	23,6406	159	12,7806	19,8876				
40	17,1376	13,5527	80	29,177299	25,199499	120	24,5837	23,498899	160	12,2785	19,946301				

<i>VDI 32 / Step 4 / Sección A / Después de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0038	-2,8315	41	12,4016	10,5686	81	23,7118	20,286501	121	24,152599	23,040001	161	12,4282	19,6063	
2	0,003	-1,9865	42	12,7576	10,7769	82	23,9597	20,548901	122	23,935101	22,8799	162	12,0417	19,6444	
3	0,0016	-1,0977	43	13,1057	10,9972	83	24,2033	20,817101	123	23,718599	22,7173	163	11,653	19,694099	
4	0,9388	0,0017	44	13,4443	11,2267	84	24,4512	21,080999	124	23,496799	22,561501	164	11,266	19,751801	
5	2,1642	-0,0017	45	13,7874	11,4553	85	24,6933	21,3482	125	23,2677	22,4146	165	10,8803	19,830099	
6	3,4	-0,0016	46	14,1251	11,6913	86	24,941799	21,6145	126	23,038099	22,2684	166	10,4972	19,926201	
7	4,7564	0,2933	47	14,4641	11,9262	87	25,192301	21,877701	127	22,8067	22,1266	167	10,1337	20,0734	
8	4,759	0,5836	48	14,8005	12,1591	88	25,438101	22,149401	128	22,572201	21,9902	168	9,7679	20,2174	
9	4,7579	0,8748	49	15,1336	12,4048	89	25,6814	22,4231	129	22,337999	21,851999	169	9,4143	20,382401	
10	4,7608	1,2461	50	15,463	12,6461	90	25,921101	22,698799	130	22,1014	21,7141	170	9,065	20,564899	
11	4,776	1,6617	51	15,7952	12,8898	91	26,158501	22,9732	131	21,8613	21,585199	171	8,7277	20,7647	
12	4,8091	2,0681	52	16,1217	13,1422	92	26,3951	23,247499	132	21,617599	21,4643	172	8,3956	20,9764	
13	4,8619	2,4777	53	16,4457	13,399	93	26,631701	23,521099	133	21,3682	21,3521	173	8,0802	21,207001	
14	4,9351	2,8838	54	16,7665	13,654	94	26,869699	23,7939	134	21,1196	21,237801	174	7,7798	21,4634	
15	5,0268	3,287	55	17,089199	13,9097	95	27,1015	24,0723	135	20,8736	21,1215	175	7,4934	21,7362	
16	5,1368	3,682	56	17,412001	14,1605	96	27,339399	24,3479	136	20,615999	21,0301	176	7,2194	22,015499	
17	5,2551	4,0789	57	17,7255	14,4261	97	27,5807	24,6245	137	20,3641	20,9266	177	6,9633	22,3092	
18	5,3579	4,484	58	18,0357	14,6924	98	27,830601	24,891899	138	20,121	20,804701	178	6,717	22,612101	
19	5,5113	4,871	59	18,343599	14,9642	99	28,079901	25,157101	139	19,867901	20,7071	179	6,4868	22,9216	
20	5,686	5,251	60	18,248899	14,8851	100	28,7351	25,4741	140	19,6133	20,613001	180	6,2782	23,243299	
21	5,889	5,6196	61	18,5268	15,1271	101	28,408501	25,607901	141	19,358299	20,5212	181	6,0767	23,5714	
22	6,099	5,9814	62	18,803801	15,3688	102	28,0972	25,533501	142	19,098499	20,443399	182	5,8988	23,9109	
23	6,3351	6,3251	63	19,0818	15,6112	103	27,788	25,442101	143	18,8356	20,367001	183	5,7205	24,2544	
24	6,5908	6,654	64	19,353399	15,8599	104	27,4792	25,3353	144	18,5735	20,292999	184	5,5679	24,6068	
25	6,869	6,9626	65	19,619101	16,1106	105	27,950899	25,5653	145	18,388599	20,246099	185	5,428	24,9613	
26	7,1689	7,2561	66	19,8859	16,359699	106	27,628	25,4512	146	18,0235	20,1546	186	5,305	25,3169	
27	7,4799	7,5349	67	20,1546	16,606001	107	27,2941	25,352699	147	17,660999	20,053101	187	5,1997	25,679001	
28	7,7937	7,8157	68	20,4161	16,863199	108	26,981501	25,249201	148	17,295601	19,9687	188	5,1363	26,051001	
29	8,1215	8,0721	69	20,683201	17,1112	109	26,7026	25,121901	149	16,927099	19,8943	189	5,0378	26,408001	
30	8,4547	8,3205	70	20,942101	17,371401	110	26,446699	24,98	150	16,5564	19,825899	190	4,9516	26,771999	
31	8,801	8,5474	71	21,201599	17,635401	111	26,209101	24,827101	151	16,181499	19,7672	191	4,8834	27,1385	
32	9,1562	8,7597	72	21,457701	17,8986	112	25,9993	24,6506	152	15,8054	19,7155	192	4,8256	27,504	
33	9,5193	8,9591	73	21,7106	18,1651	113	25,802799	24,463499	153	15,4268	19,6779	193	4,7876	27,8745	
34	9,8876	9,1474	74	21,967501	18,422701	114	25,6066	24,2726	154	15,051	19,638	194	4,7637	28,2306	
35	10,2525	9,3364	75	22,2143	18,691799	115	25,403999	24,0856	155	14,6738	19,613501	195	3,7217	28,556999	
36	10,6146	9,5311	76	22,466	18,9547	116	25,201401	23,8995	156	14,3173	19,5996	196	2,4567	28,554199	
37	10,9786	9,7236	77	22,712799	19,2199	117	24,9972	23,7164	157	13,9545	19,5847	197	1,1907	28,5534	
38	11,335	9,9292	78	22,961201	19,488199	118	24,7882	23,5445	158	13,5823	19,5798	198	0,0101	29,1917	
39	11,6926	10,1374	79	23,214001	19,753201	119	24,5784	23,374701	159	13,1995	19,572901	199	0,0004	30,5319	
40	12,0463	10,353	80	23,466	20,0177	120	24,368299	23,2041	160	12,8122	19,579201	200	-0,0018	31,926901	

VDI 32 / Step 4 / Sección B / Antes de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0099	-2,8351	41	18,7721	14,7876	81	29,305099	25,378401	121	23,750999	22,8787	161	10,6578	20,355101
2	0,0081	-1,9052	42	19,254299	15,165	82	29,5077	25,6418	122	23,524	22,7204	162	10,2414	20,511101
3	0,0089	-0,934	43	19,733101	15,5489	83	29,706699	25,9104	123	23,2992	22,5693	163	9,8344	20,686001
4	1,1502	0,0171	44	20,2073	15,9341	84	29,907101	26,1759	124	23,068501	22,419901	164	9,4401	20,881399
5	2,2878	0,0125	45	20,675699	16,3255	85	30,1021	26,445101	125	22,8377	22,274099	165	9,0545	21,097
6	3,4436	0,0153	46	21,136999	16,719999	86	29,869801	26,4589	126	22,604601	22,133801	166	8,6797	21,3312
7	4,7635	0,8993	47	21,5492	17,0784	87	29,509899	26,433701	127	22,3699	21,995501	167	8,3182	21,5833
8	4,7716	1,5048	48	21,7995	17,297899	88	29,382099	26,4249	128	22,1299	21,8617	168	7,9674	21,8561
9	4,8175	2,1182	49	22,0502	17,524401	89	29,2568	26,414301	129	21,887899	21,730801	169	7,6316	22,1457
10	4,9054	2,7217	50	22,300301	17,748899	90	29,134001	26,4039	130	21,643101	21,6036	170	7,3114	22,448999
11	5,0351	3,3224	51	22,5464	17,975599	91	29,013	26,3937	131	21,3964	21,4816	171	7,0107	22,72499
12	5,2059	3,9123	52	22,789499	18,2008	92	28,889299	26,383301	132	21,146099	21,363501	172	6,7219	23,106501
13	5,4178	4,4879	53	23,035101	18,427601	93	28,767099	26,3724	133	20,897301	21,250799	173	6,4524	23,453699
14	5,6735	5,0481	54	23,274599	18,66	94	28,643801	26,361601	134	20,6437	21,142401	174	6,2024	23,815599
15	5,9687	5,5931	55	23,5187	18,8909	95	28,5208	26,3508	135	20,3911	21,0369	175	5,9671	24,1917
16	6,2979	6,1117	56	23,7591	19,1208	96	28,3978	26,340401	136	20,136	20,9349	176	5,7521	24,5779
17	6,6623	6,6031	57	23,9974	19,3568	97	28,2745	26,329201	137	19,880301	20,8393	177	5,5589	24,9772
18	7,0611	7,0708	58	24,236799	19,5923	98	28,1495	26,319401	138	19,622299	20,7472	178	5,3832	25,382601
19	7,4917	7,5062	59	24,4732	19,8333	99	28,0261	26,308399	139	19,363899	20,6614	179	5,2306	25,797199
20	7,9561	7,9189	60	24,7089	20,073999	100	27,902599	26,299801	140	19,102501	20,579201	180	5,0965	26,2167
21	8,4475	8,2929	61	24,943501	20,313299	101	27,7784	26,2878	141	18,84	20,4986	181	4,9867	26,6479
22	8,9599	8,6306	62	25,175699	20,554001	102	27,6556	26,277599	142	18,5753	20,4238	182	4,8998	27,0765
23	9,4941	8,9303	63	25,4049	20,7938	103	27,532101	26,266399	143	18,3137	20,355	183	4,8294	27,510799
24	10,0377	9,208	64	25,6313	21,0361	104	27,4081	26,256399	144	18,047501	20,2878	184	4,785	27,9475
25	10,5802	9,4928	65	25,856001	21,2805	105	26,937201	25,8678	145	17,5986	20,1898	185	4,1091	28,566799
26	11,1172	9,7836	66	26,084999	21,5259	106	26,759899	25,6583	146	17,1637	20,1066	186	2,6213	28,567699
27	11,649	10,0767	67	26,308001	21,7743	107	26,5807	25,4494	147	16,724899	20,0338	187	1,1405	28,566799
28	12,183	10,3796	68	26,533701	22,026899	108	26,3985	25,245399	148	16,2852	19,973801	188	0,0081	29,3503
29	12,7137	10,6887	69	26,753901	22,2775	109	26,212	25,043301	149	15,8462	19,9275	189	0,0039	30,2957
30	13,2388	11	70	26,976601	22,5301	110	26,0256	24,843599	150	15,4077	19,891001	190	0,0018	31,290001
31	13,7589	11,3176	71	27,194599	22,7808	111	25,8332	24,647499	151	14,9648	19,8671			
32	14,2744	11,6385	72	27,411699	23,033501	112	25,6376	24,455299	152	14,5488	19,8554			
33	14,7895	11,9678	73	27,628	23,2882	113	25,439501	24,2661	153	14,1324	19,8531			
34	15,3012	12,3013	74	27,8403	23,5439	114	25,2402	24,0814	154	13,6971	19,8626			
35	15,8071	12,6406	75	28,052	23,8016	115	25,0334	23,895	155	13,257	19,8757			
36	16,312799	12,9874	76	28,2642	24,0599	116	24,828501	23,717899	156	12,8166	19,9006			
37	16,814199	13,3376	77	28,4755	24,320499	117	24,617701	23,5439	157	12,3744	19,948099			
38	17,309799	13,6936	78	28,6852	24,583401	118	24,4063	23,372801	158	11,9364	20,017401			
39	17,802299	14,0524	79	28,895399	24,8482	119	24,189199	23,203699	159	11,5065	20,1073			
40	18,289101	14,418	80	29,099501	25,112801	120	23,9718	23,039499	160	11,0799	20,220501			

<i>VDI 32 / Step 4 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0015	-2,9073	41	11,9838	10,3243	81	23,656601	20,226	121	24,417299	23,2619	161	13,165	19,576599
2	0,0006	-2,0513	42	12,3249	10,5336	82	23,919201	20,508499	122	24,2192	23,112301	162	12,7603	19,5902
3	-0,0001	-1,1493	43	12,6626	10,7441	83	24,185699	20,7887	123	24,0261	22,9604	163	12,3566	19,620899
4	1,0332	0,0147	44	12,9995	10,9584	84	24,447399	21,0758	124	23,8207	22,8202	164	11,948	19,6597
5	2,3348	0,0082	45	13,3371	11,1668	85	24,712299	21,3592	125	23,621201	22,6772	165	11,5387	19,7108
6	3,6496	0,0107	46	13,6697	11,3792	86	24,975599	21,6434	126	23,4151	22,5389	166	11,1331	19,7799
7	4,7489	0,1505	47	13,995	11,6048	87	25,244101	21,926201	127	23,2097	22,400299	167	10,7278	19,871901
8	4,7587	0,5796	48	14,3238	11,829	88	25,5077	22,2188	128	22,999201	22,267799	168	10,3368	20,0033
9	4,7574	1,012	49	14,6449	12,0608	89	25,7658	22,5124	129	22,790501	22,1308	169	9,9465	20,1404
10	4,7585	1,2002	50	14,972	12,2831	90	26,0194	22,806499	130	22,581499	22,001801	170	9,5738	20,314501
11	4,7689	1,5993	51	15,2929	12,5179	91	26,2742	23,099199	131	22,360701	21,8866	171	9,2032	20,4979
12	4,7985	1,9957	52	15,6106	12,7528	92	26,526199	23,3923	132	22,1451	21,766199	172	8,842	20,699301
13	4,8459	2,3893	53	15,9244	12,9991	93	26,776199	23,6868	133	21,9284	21,6423	173	8,4942	20,925301
14	4,9124	2,7835	54	16,243299	13,2381	94	27,0327	23,9795	134	21,7059	21,531099	174	8,16	21,1637
15	4,9957	3,1747	55	16,5522	13,487	95	27,2969	24,266199	135	21,486601	21,413601	175	7,8404	21,4275
16	5,0983	3,5585	56	16,865	13,7318	96	27,5474	24,5688	136	21,2617	21,3022	176	7,5339	21,708099
17	5,2119	3,9412	57	17,173599	13,9804	97	27,8111	24,8557	137	21,035299	21,1975	177	7,2449	22,002001
18	5,2996	4,3366	58	17,480301	14,2352	98	28,0777	25,140499	138	20,8071	21,0938	178	6,9689	22,305401
19	5,4391	4,7157	59	17,784901	14,4855	99	28,299601	25,4585	139	20,5805	20,9979	179	6,7108	22,624701
20	5,5974	5,0863	60	17,7775	14,4847	100	28,703501	25,500401	140	20,3456	20,91	180	6,4716	22,9548
21	5,7815	5,4469	61	18,074301	14,7396	101	28,3617	25,605801	141	20,1173	20,813101	181	6,2529	23,2939
22	5,9813	5,8008	62	18,373899	14,9915	102	28,035	25,555401	142	19,8846	20,7244	182	6,0468	23,643101
23	6,199	6,1401	63	18,6721	15,252	103	27,711	25,428301	143	19,6525	20,6439	183	5,856	23,998199
24	6,4316	6,4697	64	18,9667	15,5131	104	27,385201	25,3353	144	19,413099	20,577999	184	5,6816	24,364599
25	6,6901	6,777	65	19,263399	15,7709	105	27,889601	25,5697	145	19,375799	20,5604	185	5,5207	24,7325
26	6,9686	7,0696	66	19,548401	16,0397	106	27,5797	25,479799	146	18,998301	20,4412	186	5,3774	25,1075
27	7,2574	7,352	67	19,8353	16,3067	107	27,287701	25,382401	147	18,622499	20,314199	187	5,2552	25,485901
28	7,5592	7,6222	68	20,119499	16,5737	108	27,003799	25,2848	148	18,2423	20,207199	188	5,173	25,8741
29	7,866	7,8884	69	20,402	16,8444	109	26,7509	25,1667	149	17,8577	20,108999	189	5,0809	26,2542
30	8,1847	8,1363	70	20,6789	17,1215	110	26,509899	25,0446	150	17,472099	20,0256	190	4,9835	26,6341
31	8,5115	8,3695	71	20,9632	17,3894	111	26,2946	24,9007	151	17,087099	19,9361	191	4,9043	27,0203
32	8,8482	8,5894	72	21,240499	17,671499	112	26,091101	24,7479	152	16,6968	19,868999	192	4,8396	27,406799
33	9,1941	8,7896	73	21,5152	17,953501	113	25,908001	24,578899	153	16,306299	19,799	193	4,7942	27,796101
34	9,5431	8,9807	74	21,7843	18,2402	114	25,733	24,4051	154	15,91	19,737801	194	4,7658	28,177299
35	9,8996	9,1619	75	22,054199	18,5208	115	25,552299	24,230801	155	15,5117	19,6938	195	4,2173	28,562599
36	10,2522	9,3455	76	22,320801	18,8027	116	25,3722	24,0578	156	15,1163	19,6548	196	2,6329	28,562599
37	10,5999	9,5359	77	22,589899	19,0837	117	25,1752	23,9013	157	14,7182	19,6224	197	1,0481	28,565201
38	10,9481	9,7231	78	22,855499	19,369101	118	24,9951	23,729	158	14,3444	19,6075	198	0,004	29,566099
39	11,2974	9,9135	79	23,1257	19,653	119	24,802401	23,5718	159	13,9647	19,593	199	0	30,4893
40	11,6379	10,1219	80	23,3965	19,936701	120	24,610901	23,4119	160	13,5678	19,579399	200	-0,001	31,4625

<i>VDI 32 / Step 4 / Sección C / Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0076	-3,026	41	17,746099	14,0252	81	28,8069	24,7505	121	23,987801	23,067699	161	11,4282	20,139299	
2	0,009	-2,1449	42	18,208599	14,3713	82	29,031799	25,0378	122	23,751101	22,8925	162	11,0464	20,2442	
3	0,0064	-1,2239	43	18,669001	14,7234	83	29,2528	25,3248	123	23,509199	22,724001	163	10,6756	20,3624	
4	0,9297	0,0323	44	19,126499	15,0808	84	29,474701	25,6113	124	23,2652	22,5609	164	10,3041	20,499399	
5	2,1499	0,0275	45	19,584101	15,4418	85	29,6919	25,9021	125	23,0177	22,4013	165	9,9398	20,6521	
6	3,3877	0,0294	46	20,034201	15,8058	86	29,907499	26,1915	126	22,7708	22,246799	166	9,5853	20,819201	
7	4,7647	0,6896	47	20,1999	15,9431	87	30,025499	26,480301	127	22,5198	22,096201	167	9,2401	21,0037	
8	4,7661	1,2677	48	20,481001	16,1751	88	29,878099	26,4736	128	22,2656	21,949699	168	8,9014	21,2031	
9	4,7913	1,8471	49	20,756599	16,4077	89	29,736099	26,4659	129	22,008301	21,8078	169	8,5712	21,4172	
10	4,853	2,4223	50	21,030199	16,642401	90	29,596001	26,4531	130	21,7458	21,671	170	8,2513	21,6471	
11	4,9567	2,9938	51	21,3048	16,879299	91	29,454399	26,443399	131	21,4804	21,536501	171	7,9415	21,891399	
12	5,0948	3,556	52	21,5779	17,116301	92	29,313101	26,432301	132	21,214399	21,410601	172	7,643	22,148899	
13	5,2698	4,1125	53	21,8503	17,3587	93	29,1719	26,4205	133	20,9478	21,286301	173	7,3579	22,4193	
14	5,4828	4,6543	54	22,121799	17,603901	94	29,0315	26,408001	134	20,676201	21,169201	174	7,0837	22,703899	
15	5,7331	5,1799	55	22,391199	17,8477	95	28,889	26,396099	135	20,4049	21,055799	175	6,8247	22,997101	
16	6,0182	5,6925	56	22,6581	18,092699	96	28,747	26,385099	136	20,130899	20,9482	176	6,5795	23,2999	
17	6,3347	6,1804	57	22,923201	18,337799	97	28,6045	26,372	137	19,857	20,8461	177	6,3487	23,6157	
18	6,6829	6,6433	58	23,185499	18,5849	98	28,461901	26,3613	138	19,579901	20,746901	178	6,1294	23,938999	
19	7,0607	7,0855	59	23,4464	18,8358	99	28,320101	26,3475	139	19,302799	20,6555	179	5,9241	24,277	
20	7,4709	7,5	60	23,707899	19,0881	100	28,1782	26,335199	140	19,021999	20,567801	180	5,7366	24,621901	
21	7,9078	7,891	61	23,968599	19,3416	101	28,0366	26,3239	141	18,739401	20,4813	181	5,5647	24,9744	
22	8,3692	8,2513	62	24,2269	19,597401	102	27,8934	26,3125	142	18,455099	20,404699	182	5,4073	25,3363	
23	8,8522	8,5772	63	24,4842	19,8584	103	27,751101	26,299	143	18,173	20,3325	183	5,267	25,7005	
24	9,3551	8,8707	64	24,7402	20,118	104	27,6075	26,2875	144	17,888599	20,2666	184	5,1413	26,073799	
25	9,8713	9,1345	65	24,991699	20,3794	105	27,464001	26,276199	145	17,6015	20,2043	185	5,0378	26,4506	
26	10,3864	9,4045	66	25,244101	20,6404	106	27,323999	26,264999	146	17,313101	20,146999	186	4,9471	26,834801	
27	10,8994	9,6775	67	25,491301	20,901899	107	26,955299	25,9042	147	16,8503	20,066999	187	4,0216	28,5804	
28	11,4053	9,9547	68	25,738001	21,1654	108	26,764	25,678699	148	16,460699	20,01	188	2,722	28,581699	
29	11,9119	10,2384	69	25,9834	21,430401	109	26,571699	25,454599	149	16,0697	19,9625	189	1,4311	28,5821	
30	12,4157	10,5275	70	26,226601	21,700399	110	26,376801	25,233801	150	15,6785	19,9252	190	0,0081	29,4536	
31	12,9187	10,8229	71	26,471001	21,972099	111	26,1761	25,0177	151	15,2883	19,896	191	0,0042	30,355801	
32	13,4156	11,1218	72	26,7132	22,244801	112	25,973101	24,804899	152	14,896	19,878901	192	0,0019	31,305599	
33	13,9069	11,4223	73	26,9533	22,517599	113	25,7677	24,594999	153	14,5203	19,868401				
34	14,3962	11,7301	74	27,1905	22,790199	114	25,556499	24,391199	154	14,1511	19,8661				
35	14,8842	12,044	75	27,4252	23,064199	115	25,342199	24,189301	155	13,7673	19,874599				
36	15,3706	12,3611	76	27,6598	23,3414	116	25,125	23,989599	156	13,3765	19,8853				
37	15,8532	12,6817	77	27,8913	23,6206	117	24,903299	23,7969	157	12,9831	19,901899				
38	16,330999	13,0137	78	28,121401	23,8997	118	24,6789	23,6085	158	12,5889	19,933901				
39	16,806801	13,3473	79	28,349899	24,1803	119	24,4526	23,4252	159	12,1969	19,986099				
40	17,276699	13,6823	80	28,5784	24,4638	120	24,2216	23,2444	160	11,8104	20,055099				

VDI 32 / Step 4 / Sección C / Después de la erosión / Z= -1,15 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0093	-2,7972	41	12,7526	10,808	81	24,140301	20,7285	121	24,580799	23,406401	161	13,2724	19,6161
2	0,0017	-1,8222	42	13,1122	11,0356	82	24,379	20,9937	122	24,393299	23,2582	162	12,863	19,628
3	-0,0004	-0,7999	43	13,4667	11,2663	83	24,625099	21,2491	123	24,1964	23,119801	163	12,4524	19,6514
4	1,3296	0,0192	44	13,8182	11,5017	84	24,869499	21,511299	124	24,012699	22,965099	164	12,0376	19,686701
5	2,4086	0,0207	45	14,1743	11,7354	85	25,107	21,7761	125	23,811899	22,835501	165	11,6252	19,737101
6	3,5042	0,023	46	14,5217	11,9813	86	25,351801	22,038601	126	23,6157	22,695601	166	11,2121	19,803801
7	4,7552	0,3767	47	14,8694	12,2252	87	25,594	22,305	127	23,415899	22,5646	167	10,7996	19,8843
8	4,7562	0,5985	48	15,2158	12,472	88	25,837799	22,5679	128	23,2164	22,426701	168	10,3948	19,9963
9	4,7554	0,8215	49	15,5567	12,7229	89	26,076599	22,833599	129	23,017099	22,291599	169	10,0008	20,1406
10	4,7578	1,2559	50	15,8988	12,9801	90	26,312599	23,099899	130	22,8146	22,1611	170	9,6206	20,3151
11	4,7723	1,6816	51	16,237301	13,2391	91	26,5487	23,3654	131	22,6054	22,0452	171	9,2488	20,509899
12	4,8092	2,1068	52	16,5765	13,4938	92	26,783501	23,632299	132	22,3978	21,924601	172	8,8825	20,7143
13	4,8639	2,53	53	16,905399	13,7629	93	27,021999	23,8965	133	22,1896	21,803101	173	8,5267	20,938101
14	4,9415	2,9515	54	17,2377	14,024	94	27,2591	24,163	134	21,979	21,685101	174	8,1858	21,181601
15	5,0362	3,3678	55	17,5653	14,2939	95	27,499599	24,430599	135	21,764299	21,5716	175	7,858	21,441999
16	5,155	3,7789	56	17,8904	14,5647	96	27,7325	24,704599	136	21,5508	21,461399	176	7,5485	21,7285
17	5,263	4,1935	57	18,215799	14,8327	97	27,959801	24,981001	137	21,3332	21,3519	177	7,2526	22,025801
18	5,3954	4,6046	58	18,535299	15,1119	98	28,191601	25,252399	138	21,1143	21,2495	178	6,977	22,335899
19	5,5604	5,0018	59	18,8533	15,3957	99	28,3745	25,559099	139	20,8909	21,153999	179	6,7195	22,6642
20	5,7435	5,3937	60	18,8374	15,3823	100	28,724501	25,5802	140	20,6723	21,054199	180	6,481	23,0002
21	5,9562	5,7745	61	19,1099	15,6207	101	28,404699	25,6784	141	20,4422	20,974501	181	6,2548	23,341299
22	6,1854	6,1396	62	19,3738	15,8627	102	28,099701	25,6024	142	20,221901	20,877501	182	6,0411	23,6917
23	6,4366	6,4887	63	19,643101	16,1012	103	27,7967	25,4743	143	19,997	20,791201	183	5,8467	24,053301
24	6,7111	6,8197	64	19,905399	16,345501	104	27,4925	25,368099	144	19,774099	20,695999	184	5,6729	24,4266
25	7,0098	7,1311	65	20,1646	16,5924	105	28,0037	25,620399	145	19,5693	20,6227	185	5,5092	24,7992
26	7,3264	7,4263	66	20,424101	16,841101	106	27,7108	25,5247	146	19,187799	20,501101	186	5,3637	25,1779
27	7,6324	7,7002	67	20,6826	17,091101	107	27,413601	25,438101	147	18,804199	20,3832	187	5,2434	25,5632
28	7,9802	7,9916	68	20,9398	17,3424	108	27,1299	25,3484	148	18,417299	20,275499	188	5,1646	25,959101
29	8,3274	8,2472	69	21,1947	17,599199	109	26,870001	25,2437	149	18,025101	20,173401	189	5,0583	26,341999
30	8,6752	8,4927	70	21,445499	17,858801	110	26,6297	25,128599	150	17,6387	20,080299	190	4,9633	26,7285
31	9,0429	8,7159	71	21,7017	18,112	111	26,3993	25,007999	151	17,247101	19,992599	191	4,8882	27,120199
32	9,416	8,9254	72	21,948	18,373199	112	26,2062	24,856501	152	16,8529	19,9125	192	4,8255	27,5121
33	9,7939	9,1225	73	22,195601	18,631701	113	26,014999	24,702999	153	16,455999	19,846399	193	4,7845	27,908001
34	10,1739	9,3113	74	22,438801	18,894199	114	25,844999	24,5329	154	16,052799	19,794001	194	4,7583	28,289
35	10,5444	9,5198	75	22,6887	19,1514	115	25,6719	24,3687	155	15,6498	19,7335	195	3,7281	28,580999
36	10,9182	9,7215	76	22,932899	19,410601	116	25,493799	24,201599	156	15,248	19,689301	196	2,3691	28,5784
37	11,2891	9,9277	77	23,1779	19,673901	117	25,313801	24,037901	157	14,8404	19,652901	197	1,0089	28,5772
38	11,6558	10,1467	78	23,421801	19,9394	118	25,127199	23,8818	158	14,4576	19,625099	198	0,0007	29,571501
39	12,0263	10,3668	79	23,6723	20,194901	119	24,949499	23,714899	159	14,0804	19,620501	199	-0,0016	30,4193
40	12,3909	10,5847	80	23,901199	20,4667	120	24,764999	23,5599	160	13,6788	19,617599	200	-0,0031	31,3183

VDI 28 / Step 1 / Sección A / Antes de la erosión / Z= -3,55 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0313	-2,8692	41	23,6369	19,0124	81	29,799999	26,048401	121	25,344	24,194201	161	19,364201	20,656
2	-0,0311	-2,0243	42	23,8041	19,174101	82	29,939501	26,2362	122	25,214399	24,075899	162	19,196199	20,601299
3	-0,0284	-1,1584	43	23,968399	19,3391	83	30,075399	26,424299	123	25,0839	23,9573	163	19,030199	20,549101
4	1,203	-0,0051	44	24,135401	19,5037	84	29,993799	26,4457	124	24,952999	23,8416	164	18,8615	20,498301
5	2,0769	-0,0036	45	24,301001	19,6682	85	29,7568	26,433701	125	24,8181	23,726	165	18,6926	20,4506
6	2,9544	-0,0044	46	24,466801	19,834999	86	29,528299	26,415899	126	24,684799	23,6134	166	18,5242	20,4027
7	17,5592	13,8768	47	24,632	20,004601	87	29,309401	26,3993	127	24,5492	23,501699	167	18,355499	20,3598
8	17,7491	14,0198	48	24,7983	20,173401	88	29,206301	26,392099	128	24,412901	23,3915	168	18,186899	20,316099
9	17,9375	14,1599	49	24,9613	20,3417	89	29,1077	26,383499	129	24,277201	23,2826	169	18,012899	20,2764
10	18,1243	14,3009	50	25,124701	20,509501	90	29,0077	26,3738	130	24,138599	23,1759	170	17,8451	20,2365
11	18,3104	14,4408	51	25,2841	20,678499	91	28,908199	26,366699	131	23,997499	23,070601	171	17,674299	20,198601
12	18,496799	14,5823	52	25,4454	20,8484	92	28,806801	26,3568	132	23,8589	22,9664	172	17,5016	20,163601
13	18,681601	14,7253	53	25,6052	21,017401	93	28,7068	26,3479	133	23,718901	22,865499	173	17,3269	20,1285
14	18,866699	14,8678	54	25,7654	21,189501	94	28,6061	26,340401	134	23,576099	22,763599	174	17,154699	20,095501
15	19,0527	15,013	55	25,9231	21,361	95	28,505501	26,3318	135	23,431101	22,6644	175	16,9788	20,065901
16	19,236799	15,1575	56	26,080999	21,5336	96	28,4046	26,323999	136	23,2864	22,566601	176	16,803699	20,038
17	19,4223	15,3063	57	26,2386	21,7054	97	28,3036	26,314501	137	23,1422	22,4708	177	16,629499	20,0114
18	19,604	15,4518	58	26,3939	21,8801	98	28,2034	26,306101	138	22,995501	22,3764	178	16,4559	19,988199
19	19,7873	15,5984	59	26,5495	22,0548	99	28,101801	26,296499	139	22,8486	22,2843	179	16,282801	19,9657
20	19,967899	15,7447	60	26,7048	22,2299	100	28,002701	26,289101	140	22,699699	22,193001	180	16,109301	19,9438
21	20,148899	15,8947	61	26,8603	22,406601	101	27,903	26,2808	141	22,5511	22,1035	181	15,9373	19,9252
22	20,330799	16,0436	62	27,014999	22,5821	102	27,802799	26,2731	142	22,4004	22,014099	182	15,7621	19,9076
23	20,510201	16,1952	63	27,167801	22,759501	103	27,701599	26,2642	143	22,248501	21,928499	183	15,5873	19,8939
24	20,6873	16,344101	64	27,3193	22,935499	104	27,6015	26,255899	144	22,094	21,844101	184	15,4132	19,8794
25	20,8671	16,495899	65	27,4706	23,113701	105	27,501301	26,246599	145	21,938101	21,760201	185	15,2438	19,868299
26	21,044399	16,647301	66	27,6208	23,292299	106	27,4025	26,238001	146	21,781401	21,676001	186	15,0745	19,858601
27	21,221201	16,7987	67	27,772301	23,4716	107	27,009501	25,9886	147	21,625999	21,594999	187	3,7363	28,5567
28	21,395901	16,950001	68	27,9203	23,651501	108	26,897699	25,851299	148	21,467501	21,5165	188	2,6783	28,557899
29	21,572201	17,107	69	28,068701	23,8314	109	26,7852	25,7178	149	21,309799	21,440001	189	1,6204	28,5576
30	21,747801	17,261299	70	28,2183	24,013599	110	26,670799	25,584101	150	21,152201	21,365299	190	-0,0294	29,736799
31	21,9251	17,418699	71	28,363501	24,194599	111	26,558599	25,450899	151	20,992599	21,2924	191	-0,0276	30,459299
32	22,0993	17,575199	72	28,513901	24,378099	112	26,442499	25,319901	152	20,8337	21,220699	192	-0,0301	31,2192
33	22,2736	17,733801	73	28,660101	24,562901	113	26,324499	25,188299	153	20,674101	21,151699			
34	22,447701	17,8909	74	28,806601	24,747601	114	26,205299	25,059299	154	20,5124	21,0828			
35	22,6199	18,049999	75	28,9494	24,931101	115	26,0882	24,931499	155	20,350599	21,0166			
36	22,7904	18,208099	76	29,0924	25,115101	116	25,968	24,805901	156	20,188101	20,9531			
37	22,9611	18,3675	77	29,236799	25,301201	117	25,844999	24,680799	157	20,024799	20,8885			
38	23,1304	18,528099	78	29,3785	25,487499	118	25,7211	24,556	158	19,8596	20,8274			
39	23,2997	18,688601	79	29,5205	25,673401	119	25,596701	24,4347	159	19,6966	20,768499			
40	23,468599	18,8493	80	29,659201	25,862101	120	25,4709	24,3134	160	19,530701	20,7113			



<i>VDI 28 / Step 1 / Sección A / Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7178	0,772	35	14,623	11,8758	69	26,259399	22,462999	103	23,703699	22,879601	137	12,1055	20,006701
2	4,7182	1,2059	36	15,0159	12,1309	70	26,542999	22,825701	104	23,4102	22,6719	138	11,7484	20,073099
3	4,732	1,6739	37	15,4056	12,3889	71	26,820299	23,195299	105	23,1094	22,4774	139	11,3953	20,153601
4	4,7732	2,1421	38	15,7935	12,6479	72	27,0872	23,572701	106	22,8083	22,282801	140	11,0494	20,266001
5	4,8409	2,607	39	16,1756	12,9114	73	27,3738	23,937799	107	22,498699	22,0956	141	10,7016	20,367701
6	4,9566	3,0612	40	16,560499	13,1731	74	27,6311	24,324699	108	22,184	21,915001	142	10,3623	20,4848
7	5,0653	3,5155	41	16,9389	13,4465	75	27,9063	24,695101	109	21,862101	21,749901	143	10,0215	20,6099
8	5,1815	3,9748	42	17,3197	13,7198	76	28,1856	25,0569	110	21,542299	21,5823	144	9,6886	20,760599
9	5,3472	4,419	43	17,694	13,9926	77	28,476999	25,412901	111	21,219101	21,4191	145	9,3658	20,9247
10	5,539	4,847	44	18,066999	14,2717	78	28,730301	25,7953	112	20,8936	21,264	146	9,053	21,1047
11	5,7469	5,2676	45	18,4398	14,5542	79	28,911301	26,239401	113	20,555799	21,1308	147	8,7424	21,2983
12	5,9791	5,6766	46	18,810499	14,8345	80	29,1266	26,652599	114	20,2223	20,9956	148	8,4431	21,5002
13	6,2331	6,0736	47	19,1754	15,1226	81	29,561001	25,8557	115	19,8876	20,857201	149	8,1523	21,7146
14	6,5072	6,456	48	19,533899	15,4196	82	29,3391	25,880501	116	19,5471	20,735901	150	7,8668	21,937901
15	6,8087	6,8198	49	19,8957	15,7161	83	29,1136	25,9489	117	19,202499	20,6201	151	7,5934	22,177401
16	7,1267	7,1681	50	20,241301	16,025801	84	28,8948	26,0098	118	18,856501	20,519199	152	7,3291	22,428499
17	7,4622	7,4999	51	20,5903	16,329599	85	28,663099	26,0602	119	18,508301	20,419701	153	7,0738	22,6891
18	7,8159	7,8147	52	20,937201	16,6416	86	28,440599	26,063801	120	18,159201	20,3323	154	6,8314	22,9601
19	8,1863	8,1104	53	21,279699	16,9627	87	28,2213	26,064301	121	17,805099	20,2626	155	6,6028	23,2409
20	8,5655	8,383	54	21,6192	17,284401	88	28,003901	26,060301	122	17,4484	20,191999	156	6,3836	23,531
21	8,9605	8,6341	55	21,9457	17,615	89	27,785299	26,0578	123	17,093901	20,112301	157	6,1771	23,8283
22	9,367	8,8661	56	22,2749	17,9438	90	27,566401	26,0487	124	16,7302	20,064199	158	5,9856	24,136299
23	9,7837	9,0772	57	22,5994	18,274	91	26,858299	25,8363	125	16,372101	20,013201	159	5,8035	24,453199
24	10,1965	9,2949	58	22,924101	18,6038	92	26,625401	25,5599	126	16,0133	19,9662	160	5,6341	24,7791
25	10,6085	9,5118	59	23,2442	18,9394	93	26,3892	25,2883	127	15,656	19,9457	161	5,48	25,1061
26	11,0193	9,734	60	23,559601	19,286501	94	26,146	25,0224	128	15,3	19,9345	162	5,3417	25,440701
27	11,4295	9,9622	61	23,8759	19,6283	95	25,8988	24,7621	129	14,9471	19,921301	163	5,2161	25,7796
28	11,8353	10,19	62	24,179399	19,974001	96	25,6416	24,503099	130	14,5872	19,9083	164	5,1062	26,126801
29	12,2399	10,4204	63	24,4799	20,3242	97	25,379601	24,2528	131	14,2406	19,8943	165	5,0072	26,475201
30	12,6437	10,6567	64	24,784201	20,6707	98	25,1071	24,0133	132	13,9027	19,8866	166	4,9295	26,827
31	13,0446	10,8943	65	25,083099	21,024401	99	24,836201	23,774799	133	13,5525	19,8906	167	4,8637	27,1821
32	13,4416	11,1333	66	25,375799	21,387199	100	24,560699	23,540899	134	13,1906	19,900499	168	4,8124	27,542801
33	13,8364	11,3776	67	25,6737	21,7467	101	24,283701	23,311501	135	12,8265	19,926201	169	4,7718	27,898399
34	14,2311	11,6267	68	25,965799	22,105801	102	23,9967	23,0923	136	12,4631	19,9582	170	4,736	28,228001

VDI 28 / Step 1 / Sección B / Antes de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0147	-3,1766	41	23,202999	18,594601	81	29,452499	25,576	121	25,742201	24,5709	161	20,748699	21,188999
2	-0,0139	-2,3853	42	23,372299	18,755301	82	29,593201	25,7638	122	25,6348	24,4673	162	20,610001	21,1301
3	-0,0146	-1,5719	43	23,5424	18,9181	83	29,7337	25,950899	123	25,5256	24,360901	163	20,4702	21,071699
4	1,1325	0,0068	44	23,7106	19,080601	84	29,873699	26,138599	124	25,4154	24,257299	164	20,330299	21,013901
5	2,2885	0,0077	45	23,8769	19,243	85	30,013201	26,326799	125	25,3057	24,1558	165	20,1891	20,9582
6	3,4593	0,0078	46	24,041901	19,4084	86	30,0979	26,458799	126	25,193001	24,052299	166	20,046	20,903799
7	17,062799	13,5194	47	24,209101	19,5739	87	30,012501	26,4582	127	25,0795	23,9512	167	19,904301	20,8505
8	17,2521	13,6574	48	24,3748	19,738701	88	29,872999	26,4524	128	24,9641	23,849701	168	19,764	20,7983
9	17,442699	13,7959	49	24,542299	19,906601	89	29,7356	26,442101	129	24,8489	23,7495	169	19,6217	20,7479
10	17,632601	13,9337	50	24,707701	20,075899	90	29,596901	26,4335	130	24,7316	23,650299	170	19,4762	20,6998
11	17,8207	14,0716	51	24,872801	20,245501	91	29,455299	26,4217	131	24,615601	23,555099	171	19,3328	20,6516
12	18,010799	14,2138	52	25,035601	20,414301	92	29,3151	26,411501	132	24,496901	23,458401	172	19,187401	20,603201
13	18,196301	14,3541	53	25,198601	20,582199	93	29,175699	26,3999	133	24,378901	23,363899	173	19,0418	20,560499
14	18,3813	14,4956	54	25,3591	20,752399	94	29,0364	26,3878	134	24,261801	23,269899	174	18,8969	20,5166
15	18,5683	14,6367	55	25,5207	20,921301	95	28,896799	26,375999	135	24,138901	23,177401	175	18,750299	20,4737
16	18,754999	14,7804	56	25,68	21,093599	96	28,756599	26,3638	136	24,019501	23,0886	176	18,605499	20,432699
17	18,941	14,9253	57	25,839199	21,264	97	28,6154	26,351999	137	23,898199	22,996201	177	18,4582	20,394899
18	19,126101	15,0695	58	25,996901	21,436501	98	28,4753	26,3402	138	23,777599	22,9093	178	18,313299	20,3566
19	19,312	15,218	59	26,1556	21,6103	99	28,334101	26,327299	139	23,6535	22,819401	179	18,1663	20,3204
20	19,497	15,3612	60	26,312	21,7815	100	28,194901	26,3146	140	23,529301	22,7327	180	18,0175	20,283899
21	19,677401	15,5101	61	26,4694	21,958	101	28,0536	26,303301	141	23,404699	22,647699	181	17,871099	20,250401
22	19,8594	15,6557	62	26,6243	22,131901	102	27,912201	26,2915	142	23,2798	22,562901	182	17,724001	20,218201
23	20,042	15,8058	63	26,7796	22,308599	103	27,77	26,279301	143	23,1544	22,4795	183	17,5765	20,186199
24	20,223101	15,9551	64	26,9345	22,484501	104	27,6276	26,2686	144	23,027901	22,399099	184	17,4252	20,1574
25	20,4028	16,103201	65	27,0893	22,6604	105	27,4886	26,2575	145	22,898199	22,3176	185	17,2754	20,127199
26	20,5832	16,253901	66	27,242399	22,8386	106	27,3503	26,244699	146	22,770901	22,2393	186	17,124001	20,0998
27	20,763	16,4055	67	27,3934	23,0158	107	27,155399	26,157801	147	22,641899	22,160601	187	3,74	28,5686
28	20,9415	16,5578	68	27,546301	23,194401	108	27,0583	26,041901	148	22,5123	22,0844	188	2,6758	28,570601
29	21,117399	16,706301	69	27,696699	23,3752	109	26,9618	25,922899	149	22,381201	22,006201	189	1,6101	28,5695
30	21,2941	16,860701	70	27,8461	23,554701	110	26,8645	25,806101	150	22,250099	21,9324	190	-0,0132	29,8311
31	21,4699	17,0138	71	27,995501	23,7348	111	26,7679	25,6898	151	22,1154	21,8592	191	-0,0134	30,594101
32	21,6451	17,167999	72	28,144699	23,9163	112	26,667601	25,5753	152	21,981899	21,785999	192	-0,013	31,388
33	21,8225	17,3249	73	28,293301	24,097799	113	26,570601	25,4576	153	21,8451	21,713499			
34	21,999001	17,481501	74	28,440599	24,279499	114	26,469601	25,3444	154	21,710501	21,643801			
35	22,175501	17,641399	75	28,5881	24,464199	115	26,3678	25,229401	155	21,574699	21,5751			
36	22,348	17,799101	76	28,734501	24,6486	116	26,264799	25,1159	156	21,437	21,506599			
37	22,5215	17,9575	77	28,879801	24,834	117	26,1625	25,004999	157	21,3011	21,439699			
38	22,6931	18,1161	78	29,023199	25,0175	118	26,058001	24,894899	158	21,163401	21,3757			
39	22,864201	18,275101	79	29,167801	25,2027	119	25,9548	24,7862	159	21,025	21,3127			
40	23,033899	18,434299	80	29,310499	25,3904	120	25,8475	24,678699	160	20,886499	21,249599			

<i>VDI 28 / Step 1 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7402	0,4632	36	14,8838	12,0448	71	26,840799	23,216499	106	23,183901	22,531601	141	11,3942	20,177
2	4,7328	0,9068	37	15,2813	12,3043	72	27,116899	23,5924	107	22,889601	22,341299	142	11,0456	20,2526
3	4,7361	1,3784	38	15,6778	12,5586	73	27,3943	23,9716	108	22,5872	22,155899	143	10,7123	20,376301
4	4,7662	1,8516	39	16,0704	12,8158	74	27,679001	24,344101	109	22,2812	21,9783	144	10,3848	20,5028
5	4,8159	2,3182	40	16,450399	13,0914	75	28,0068	24,6793	110	21,970699	21,8067	145	10,0583	20,6343
6	4,8848	2,7853	41	16,8372	13,363	76	28,3312	25,016001	111	21,6565	21,6415	146	9,7348	20,7756
7	4,9866	3,2454	42	17,222799	13,635	77	28,6763	25,336599	112	21,3405	21,4841	147	9,4176	20,9352
8	5,1099	3,7017	43	17,599001	13,919	78	29,014999	25,666599	113	21,0193	21,3326	148	9,1085	21,103901
9	5,2567	4,1556	44	17,9781	14,2006	79	29,2855	26,0476	114	20,695499	21,191999	149	8,8022	21,285299
10	5,4371	4,593	45	18,3531	14,4888	80	29,4415	26,5163	115	20,367701	21,056801	150	8,5089	21,4813
11	5,6359	5,0212	46	18,730499	14,7714	81	29,868601	25,9858	116	20,0397	20,929399	151	8,2205	21,686701
12	5,8553	5,4408	47	19,100201	15,0613	82	29,592501	26,0674	117	19,7078	20,8078	152	7,9431	21,9034
13	6,0969	5,8491	48	19,466999	15,3558	83	29,321199	26,1103	118	19,3706	20,686399	153	7,6751	22,134199
14	6,3582	6,2435	49	19,83	15,6552	84	29,052601	26,1101	119	19,032101	20,5849	154	7,4168	22,374599
15	6,6455	6,6207	50	20,187401	15,9607	85	28,7855	26,1215	120	18,691401	20,4865	155	7,1635	22,627501
16	6,9548	6,9809	51	20,5355	16,2742	86	28,5156	26,135599	121	18,3528	20,3916	156	6,9258	22,8909
17	7,2821	7,3257	52	20,8832	16,592699	87	28,2477	26,127001	122	18,0089	20,313101	157	6,699	23,16
18	7,6288	7,6546	53	21,2335	16,9121	88	27,983	26,094601	123	17,664	20,237101	158	6,4816	23,439301
19	7,9938	7,9617	54	21,577499	17,236401	89	27,7157	26,0832	124	17,3176	20,1588	159	6,2761	23,726
20	8,3713	8,2487	55	21,910299	17,571899	90	27,451	26,0665	125	16,965799	20,099701	160	6,0845	24,021601
21	8,7604	8,5153	56	22,248199	17,897499	91	27,0839	26,0993	126	16,6147	20,053301	161	5,8998	24,326099
22	9,1648	8,7584	57	22,5781	18,2316	92	26,8561	25,8274	127	16,264	20,0163	162	5,7337	24,6408
23	9,5823	8,9801	58	22,906099	18,566299	93	26,628401	25,556499	128	15,9117	19,9774	163	5,5745	24,9573
24	10,0052	9,1929	59	23,224701	18,909201	94	26,3965	25,2901	129	15,5566	19,9611	164	5,4346	25,2801
25	10,4201	9,4149	60	23,5476	19,2563	95	26,155399	25,0312	130	15,2126	19,9333	165	5,3061	25,6066
26	10,8362	9,6347	61	23,866699	19,603901	96	25,911699	24,776899	131	14,8618	19,8815	166	5,1901	25,9398
27	11,2505	9,8639	62	24,174299	19,954201	97	25,6654	24,5219	132	14,5135	19,8708	167	5,0861	26,2785
28	11,6614	10,0918	63	24,4823	20,304399	98	25,4084	24,274799	133	14,174	19,872801	168	4,999	26,614901
29	12,0797	10,3108	64	24,789101	20,6577	99	25,1423	24,0373	134	13,8436	19,8699	169	4,922	26,9601
30	12,4839	10,5573	65	25,092199	21,014099	100	24,873501	23,807199	135	13,5059	19,881399	170	4,8611	27,306601
31	12,8883	10,8026	66	25,388901	21,3799	101	24,6075	23,573601	136	13,1493	19,907101	171	4,795	27,717899
32	13,291	11,0447	67	25,691799	21,742001	102	24,3328	23,3515	137	12,7934	19,939199	172	4,7557	28,0606
33	13,6884	11,2884	68	25,9835	22,106199	103	24,0515	23,139	138	12,4377	19,9732			
34	14,0887	11,5391	69	26,2777	22,472401	104	23,761	22,9342	139	12,0877	20,028999			
35	14,4874	11,7892	70	26,5641	22,840099	105	23,4725	22,7316	140	11,7378	20,095699			

VDI 28 / Step 1 / Sección C / Antes de la erosión / Z= -1,15 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0015	-3,0529	41	23,2045	18,592899	81	29,546499	25,6884	121	25,1933	24,0518	161	18,4489	20,3997
2	0,0014	-1,9574	42	23,378099	18,755699	82	29,6873	25,880699	122	25,047501	23,921101	162	18,2623	20,350201
3	0,0019	-0,8386	43	23,5487	18,9207	83	29,8304	26,070801	123	24,8999	23,7934	163	18,0737	20,305401
4	0,8843	0,0174	44	23,720699	19,0856	84	29,9716	26,262199	124	24,7507	23,667	164	17,885799	20,2626
5	2,4307	0,0193	45	23,8888	19,251301	85	30,112101	26,4547	125	24,6022	23,5422	165	17,698999	20,221001
6	3,9793	0,0184	46	24,0574	19,419201	86	29,929399	26,4678	126	24,4505	23,421301	166	17,506399	20,181999
7	16,9589	13,4481	47	24,2269	19,585501	87	29,544201	26,439199	127	24,299801	23,298901	167	17,315201	20,146
8	17,152599	13,585	48	24,394899	19,752899	88	29,428101	26,431	128	24,146099	23,183399	168	17,124901	20,110201
9	17,346201	13,7247	49	24,564199	19,924801	89	29,316299	26,4226	129	23,992599	23,0669	169	16,93	20,077101
10	17,537201	13,864	50	24,732401	20,0966	90	29,203501	26,412901	130	23,837299	22,9526	170	16,7388	20,0471
11	17,7293	14,006	51	24,8999	20,2684	91	29,090401	26,403299	131	23,681299	22,8398	171	16,546101	20,0182
12	17,9219	14,1476	52	25,065201	20,4398	92	28,9778	26,393499	132	23,5236	22,729	172	16,353399	19,9918
13	18,111401	14,29	53	25,230499	20,610901	93	28,865601	26,385799	133	23,3645	22,622101	173	16,160299	19,969
14	18,299801	14,4331	54	25,3943	20,7841	94	28,7516	26,372801	134	23,2029	22,5147	174	15,9695	19,9485
15	18,490499	14,5757	55	25,556601	20,9557	95	28,6348	26,3641	135	23,041599	22,410299	175	15,7773	19,93
16	18,679199	14,722	56	25,719101	21,1306	96	28,5222	26,3543	136	22,877701	22,3081	176	15,5859	19,9147
17	18,869101	14,866	57	25,880699	21,304701	97	28,408199	26,344299	137	22,7145	22,2073	177	15,3916	19,8993
18	19,0585	15,0147	58	26,0411	21,4811	98	28,295401	26,334	138	22,5497	22,1092	178	15,2024	19,8883
19	19,2456	15,1642	59	26,2024	21,6549	99	28,182501	26,3258	139	22,382	22,0114	179	15,0182	19,879499
20	19,434	15,3122	60	26,361	21,8321	100	28,067499	26,3148	140	22,213499	21,9167	180	14,8367	19,8734
21	19,619301	15,4603	61	26,5196	22,0096	101	27,9543	26,305401	141	22,0439	21,821899	181	14,6555	19,8678
22	19,804199	15,6121	62	26,678499	22,1854	102	27,8398	26,297199	142	21,8706	21,729799	182	14,4708	19,8634
23	19,9893	15,7602	63	26,8356	22,3659	103	27,726999	26,2868	143	21,6959	21,6404	183	14,2766	19,8624
24	20,174	15,913	64	26,993799	22,544201	104	27,614	26,2768	144	21,524099	21,5536	184	14,0875	19,8626
25	20,3571	16,063601	65	27,149401	22,7243	105	27,502001	26,2693	145	21,348101	21,4685	185	13,9041	19,8666
26	20,5404	16,2171	66	27,305	22,9042	106	27,3908	26,259501	146	21,173	21,3848	186	13,7151	19,872
27	20,721001	16,370001	67	27,459101	23,086399	107	27,050699	26,023899	147	20,995501	21,3025	187	4,1325	28,5807
28	20,9034	16,5236	68	27,613899	23,2666	108	26,9252	25,8731	148	20,821199	21,2251	188	2,5615	28,5823
29	21,084499	16,676701	69	27,7668	23,450199	109	26,8022	25,723801	149	20,644699	21,1493	189	0,9884	28,582399
30	21,2633	16,8311	70	27,9172	23,6329	110	26,6749	25,5767	150	20,466	21,074699	190	0,0047	29,5902
31	21,441601	16,9855	71	28,0683	23,815701	111	26,5492	25,428301	151	20,2854	21,0026	191	0,0015	30,4953
32	21,6199	17,1453	72	28,219801	24,000601	112	26,421	25,2834	152	20,106899	20,933001	192	0,0023	31,437401
33	21,8002	17,303301	73	28,3703	24,185101	113	26,2903	25,139299	153	19,9256	20,8643			
34	21,979401	17,4629	74	28,5208	24,371599	114	26,1579	24,996599	154	19,7444	20,798401			
35	22,1583	17,623301	75	28,6693	24,5599	115	26,0242	24,856701	155	19,559601	20,7342			
36	22,3333	17,7829	76	28,8193	24,7474	116	25,8901	24,718201	156	19,3764	20,673201			
37	22,509001	17,9438	77	28,966	24,934799	117	25,754801	24,581499	157	19,190901	20,6133			
38	22,684799	18,1049	78	29,111099	25,1224	118	25,617599	24,448999	158	19,0072	20,5578			
39	22,858999	18,2677	79	29,256599	25,311701	119	25,4771	24,314301	159	18,821501	20,501801			
40	23,032301	18,429001	80	29,402599	25,500299	120	25,336	24,1824	160	18,6343	20,4503			

<i>VDI 28 / Step 1 / Sección C / Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7541	0,2727	35	14,4533	11,7706	69	26,367599	22,511801	103	23,668301	22,8629	137	12,0422	20,046499
2	4,749	0,7201	36	14,8541	12,0281	70	26,659401	22,8806	104	23,3715	22,6555	138	11,6877	20,1166
3	4,7483	1,2	37	15,2537	12,2896	71	26,9433	23,2554	105	23,072001	22,4575	139	11,3325	20,1826
4	4,7741	1,6711	38	15,6509	12,5544	72	27,2204	23,637199	106	22,7684	22,264999	140	10,9792	20,273899
5	4,8069	2,1463	39	16,041	12,8192	73	27,5121	24,01	107	22,460199	22,0772	141	10,6427	20,4119
6	4,8722	2,6186	40	16,429701	13,0881	74	27,840799	24,3528	108	22,144501	21,8965	142	10,3051	20,5399
7	4,9612	3,0866	41	16,817699	13,3617	75	28,1742	24,6877	109	21,8228	21,728001	143	9,9743	20,6814
8	5,0782	3,549	42	17,205601	13,639	76	28,4967	25,0298	110	21,5016	21,5611	144	9,6418	20,830799
9	5,2177	4,0083	43	17,5893	13,9165	77	28,8209	25,372801	111	21,174601	21,404499	145	9,3198	20,997499
10	5,3862	4,4612	44	17,974501	14,1976	78	29,144699	25,7201	112	20,845501	21,2579	146	9,0086	21,182301
11	5,5849	4,8966	45	18,3542	14,484	79	29,429001	26,0986	113	20,5147	21,112	147	8,6913	21,3612
12	5,7957	5,3231	46	18,730301	14,7737	80	29,6201	26,5448	114	20,177	20,9764	148	8,3931	21,566601
13	6,0331	5,7388	47	19,105301	15,0651	81	29,7824	26,3092	115	19,837999	20,849501	149	8,1029	21,783701
14	6,2942	6,1402	48	19,4769	15,3604	82	29,5208	26,351601	116	19,496401	20,7281	150	7,8221	22,0126
15	6,5753	6,5272	49	19,8428	15,6621	83	29,2652	26,3477	117	19,1492	20,6168	151	7,5517	22,2558
16	6,8881	6,8898	50	20,202	15,9717	84	29,0137	26,313101	118	18,805	20,5124	152	7,2927	22,512501
17	7,2088	7,2477	51	20,555401	16,2848	85	28,764299	26,254801	119	18,455099	20,416599	153	7,0443	22,7791
18	7,5521	7,5824	52	20,912901	16,596901	86	28,5156	26,179701	120	18,1036	20,3363	154	6,8073	23,0539
19	7,9136	7,8994	53	21,2591	16,927099	87	28,2623	26,141399	121	17,750999	20,2554	155	6,5819	23,335899
20	8,2934	8,1952	54	21,607901	17,252001	88	28,0093	26,1026	122	17,3934	20,184299	156	6,3686	23,630301
21	8,6821	8,4646	55	21,9491	17,582001	89	27,756399	26,085199	123	17,0327	20,123199	157	6,164	23,927299
22	9,087	8,7154	56	22,289301	17,9132	90	27,502399	26,0807	124	16,674801	20,055401	158	5,9739	24,233999
23	9,5046	8,943	57	22,6311	18,239	91	26,838301	25,803801	125	16,3146	20,0152	159	5,7946	24,5548
24	9,9297	9,159	58	22,9559	18,5839	92	26,6077	25,524799	126	15,9536	19,9785	160	5,6265	24,877501
25	10,3512	9,381	59	23,282101	18,9266	93	26,368601	25,254299	127	15,5917	19,934099	161	5,4776	25,2062
26	10,7703	9,6054	60	23,609699	19,273199	94	26,1245	24,988701	128	15,238	19,9083	162	5,3413	25,5427
27	11,1897	9,8328	61	23,933201	19,6199	95	25,875601	24,7295	129	14,8843	19,889299	163	5,2205	25,882099
28	11,6042	10,0644	62	24,2444	19,9748	96	25,617001	24,4739	130	14,5307	19,8822	164	5,1155	26,2288
29	12,0155	10,2976	63	24,554001	20,33	97	25,3536	24,223301	131	14,1792	19,886801	165	5,0216	26,5779
30	12,4344	10,5284	64	24,867001	20,6814	98	25,085899	23,978399	132	13,842	19,894699	166	4,9366	26,9263
31	12,8403	10,7776	65	25,169901	21,045099	99	24,8125	23,7421	133	13,4915	19,931299	167	4,8661	27,2833
32	13,2461	11,0201	66	25,4694	21,4111	100	24,526899	23,521799	134	13,1288	19,944799	168	4,816	27,6401
33	13,633	11,2558	67	25,7745	21,776501	101	24,245399	23,2964	135	12,7627	19,956699	169	4,7667	27,994801
34	14,0519	11,5169	68	26,075399	22,141001	102	23,9597	23,076401	136	12,3998	19,9883	170	4,7751	28,323601

VDI 28 / Step 2 / Sección A / Antes de la erosión / Z= -3,55 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0052	-2,9468	41	17,601601	13,8936	81	29,4011	25,488001	121	24,379299	23,342699	161	11,8057	20,034201	
2	0,006	-2,1503	42	18,0585	14,2332	82	29,633801	25,7971	122	24,2036	23,2052	162	11,3474	20,1373	
3	0,0069	-1,3462	43	18,509701	14,5764	83	29,866199	26,1084	123	24,026199	23,0721	163	10,8658	20,275801	
4	1,2272	-0,0093	44	18,9566	14,9187	84	30,0961	26,4216	124	23,8482	22,940599	164	10,3908	20,441	
5	2,1512	-0,0062	45	19,4027	15,271	85	29,818701	26,446501	125	23,667101	22,811701	165	9,9239	20,635201	
6	3,0786	-0,0058	46	19,846201	15,627	86	29,430599	26,417601	126	23,487	22,686001	166	9,4727	20,8538	
7	4,7561	0,9021	47	20,3022	15,9997	87	29,251101	26,402901	127	23,304899	22,562901	167	9,0404	21,0949	
8	4,7617	1,4696	48	20,598499	16,248199	88	29,146799	26,3936	128	23,120199	22,441999	168	8,6181	21,360701	
9	4,8018	2,0395	49	20,892599	16,4993	89	29,042101	26,385401	129	22,9324	22,325001	169	8,2125	21,65	
10	4,8763	2,6026	50	21,185699	16,750999	90	28,938801	26,377199	130	22,7465	22,208	170	7,8255	21,963499	
11	4,9894	3,1574	51	21,477301	17,004499	91	28,8351	26,367599	131	22,557501	22,094999	171	7,4552	22,297701	
12	5,1359	3,7091	52	21,7689	17,2612	92	28,7304	26,358	132	22,3678	21,983801	172	7,0925	22,663099	
13	5,3212	4,2466	53	22,0604	17,5214	93	28,626699	26,350599	133	22,1747	21,875999	173	6,7626	23,042299	
14	5,5391	4,7705	54	22,3491	17,7819	94	28,522301	26,3393	134	21,978901	21,7707	174	6,4549	23,4349	
15	5,7904	5,2814	55	22,634001	18,0436	95	28,4174	26,3295	135	21,781099	21,6661	175	6,1732	23,8435	
16	6,0755	5,7759	56	22,9182	18,306499	96	28,3139	26,321899	136	21,5821	21,564501	176	5,9139	24,267599	
17	6,3944	6,2506	57	23,1971	18,5721	97	28,2101	26,3139	137	21,3827	21,466999	177	5,6815	24,7027	
18	6,7456	6,7042	58	23,4783	18,839399	98	28,107201	26,305099	138	21,180901	21,370199	178	5,4718	25,1532	
19	7,1219	7,1309	59	23,757299	19,108999	99	28,003201	26,297899	139	20,9776	21,278299	179	5,2896	25,6185	
20	7,5347	7,5422	60	24,0359	19,381701	100	27,8997	26,286301	140	20,774401	21,188601	180	5,1355	26,0891	
21	7,9655	7,918	61	24,3013	19,645399	101	27,796101	26,2791	141	20,570499	21,1001	181	5,0012	26,568199	
22	8,4192	8,2636	62	24,5758	19,9205	102	27,6922	26,269501	142	20,365801	21,017	182	4,8991	27,051001	
23	8,8922	8,5804	63	24,848101	20,197901	103	27,5875	26,261	143	20,1595	20,9373	183	4,8228	27,5406	
24	9,3916	8,8639	64	25,116199	20,4767	104	27,4834	26,2512	144	19,9545	20,858101	184	4,7786	28,0047	
25	9,8958	9,121	65	25,3839	20,7579	105	26,9114	25,8272	145	19,6119	20,738199	185	3,5838	28,566999	
26	10,3948	9,3836	66	25,6472	21,0397	106	26,7694	25,6579	146	19,105499	20,571501	186	2,4627	28,5646	
27	10,9002	9,6535	67	25,9114	21,3234	107	26,626301	25,49	147	18,629	20,4319	187	1,3385	28,564501	
28	11,3982	9,9255	68	26,174999	21,611799	108	26,481199	25,325701	148	18,1514	20,307899	188	0,0036	29,7694	
29	11,8912	10,2023	69	26,437901	21,9025	109	26,332701	25,1612	149	17,671499	20,2001	189	0,0038	30,3638	
30	12,3821	10,4838	70	26,6959	22,192101	110	26,184401	24,9988	150	17,1884	20,105301	190	0,0022	30,974199	
31	12,8719	10,769	71	26,9505	22,4818	111	26,0317	24,8379	151	16,7019	20,023701				
32	13,3592	11,061	72	27,2048	22,773899	112	25,8776	24,679899	152	16,2111	19,9582				
33	13,8435	11,3571	73	27,455	23,0683	113	25,707899	24,511	153	15,7234	19,907301				
34	14,3244	11,6588	74	27,7047	23,365101	114	25,551001	24,3601	154	15,2468	19,872601				
35	14,8021	11,9628	75	27,952	23,6614	115	25,389799	24,207001	155	14,7779	19,852699				
36	15,2781	12,2739	76	28,1996	23,9617	116	25,229	24,058701	156	14,2896	19,844999				
37	15,752	12,5912	77	28,444599	24,2659	117	25,0641	23,910601	157	13,7883	19,852501				
38	16,219101	12,9103	78	28,6884	24,570801	118	24,8965	23,765301	158	13,3025	19,864599				
39	16,682301	13,2336	79	28,929199	24,875401	119	24,7257	23,6215	159	12,7922	19,893299				
40	17,141701	13,5604	80	29,1679	25,181999	120	24,552099	23,479799	160	12,3231	19,961201				

<i>VDI 28 / Step 2 / Sección A / Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7762	1,7328	33	13,5177	11,2408	65	23,305	20,4818	97	20,6408	21,1532	129	10,5003	20,4161
2	4,8101	2,1534	34	13,8749	11,4756	66	23,5683	20,8064	98	20,3414	21,023199	130	10,1952	20,5343
3	4,8682	2,5744	35	14,2221	11,7181	67	23,8353	21,125601	99	20,039499	20,9049	131	9,8944	20,663799
4	4,9477	2,9936	36	14,5652	11,9643	68	24,0896	21,455	100	19,732201	20,7929	132	9,605	20,808201
5	5,0458	3,4096	37	14,9093	12,2101	69	24,344	21,786699	101	19,426001	20,6849	133	9,3176	20,961599
6	5,1638	3,8171	38	15,2514	12,4619	70	24,588301	22,125401	102	19,1145	20,586399	134	9,0322	21,1241
7	5,302	4,2189	39	15,5901	12,7175	71	24,8158	22,479099	103	18,802999	20,4932	135	8,7576	21,2988
8	5,4624	4,6154	40	15,9312	12,9746	72	25,08	22,8036	104	18,486099	20,406799	136	8,4851	21,48
9	5,638	5,0038	41	16,2675	13,2358	73	25,349001	23,1213	105	18,1679	20,323799	137	8,2197	21,6702
10	5,8348	5,383	42	16,601101	13,5027	74	25,6131	23,4375	106	17,8493	20,249701	138	7,9684	21,877399
11	6,0506	5,7555	43	16,931	13,7696	75	25,877501	23,754801	107	17,530001	20,182899	139	7,7136	22,079901
12	6,2855	6,1156	44	17,2565	14,0395	76	26,136	24,0744	108	17,2104	20,120501	140	7,4745	22,2997
13	6,536	6,4616	45	17,5755	14,3129	77	26,4007	24,3913	109	16,8909	20,065399	141	7,239	22,5317
14	6,803	6,7952	46	17,896	14,587	78	26,6523	24,718	110	16,569	20,0172	142	7,0154	22,767401
15	7,0834	7,1149	47	18,212799	14,8672	79	26,864	25,0788	111	16,243601	19,976101	143	6,8027	23,0142
16	7,3844	7,4237	48	18,5187	15,1576	80	27,2386	25,308001	112	15,9185	19,9387	144	6,597	23,269899
17	7,6985	7,7136	49	18,821899	15,4525	81	25,0434	23,9083	113	15,5934	19,9217	145	6,4026	23,530899
18	8,025	7,9898	50	19,123699	15,7509	82	24,796499	23,6936	114	15,272	19,8929	146	6,2152	23,8015
19	8,3655	8,249	51	19,4342	16,041599	83	24,5453	23,484699	115	14,9592	19,873199	147	6,0416	24,075899
20	8,7171	8,4909	52	19,7349	16,340799	84	24,291201	23,282	116	14,6525	19,864599	148	5,8782	24,357201
21	9,0839	8,7172	53	20,0294	16,643499	85	24,0306	23,0847	117	14,3435	19,8601	149	5,724	24,644699
22	9,4579	8,9227	54	20,309299	16,9631	86	23,766899	22,8922	118	14,0249	19,8629	150	5,5797	24,936701
23	9,8389	9,1153	55	20,599199	17,2724	87	23,500099	22,7054	119	13,7057	19,870899	151	5,4471	25,2321
24	10,2159	9,3117	56	20,885599	17,5818	88	23,226999	22,5229	120	13,3855	19,8783	152	5,3304	25,5345
25	10,5904	9,5107	57	21,165501	17,8958	89	22,9519	22,348499	121	13,0648	19,891701	153	5,2212	25,8403
26	10,9666	9,7122	58	21,444599	18,213699	90	22,672199	22,183001	122	12,7389	19,916	154	5,1238	26,1497
27	11,3404	9,9179	59	21,7125	18,541599	91	22,396999	22,0128	123	12,4128	19,9491	155	5,0386	26,4659
28	11,7109	10,1251	60	21,9835	18,863701	92	22,107	21,864	124	12,0867	19,9953	156	4,9639	26,784401
29	12,0771	10,3411	61	22,248501	19,187799	93	21,820101	21,710699	125	11,7656	20,055901	157	4,8976	27,1
30	12,4406	10,5579	62	22,516399	19,5079	94	21,5343	21,556299	126	11,4467	20,133101	158	4,8456	27,4191
31	12,8009	10,7804	63	22,7764	19,8354	95	21,241899	21,4111	127	11,1254	20,212601	159	4,8062	27,739901
32	13,1589	11,0094	64	23,0355	20,1625	96	20,943399	21,274	128	10,8116	20,3083	160	4,7812	28,0567

VDI 28 / Step 2 / Sección B / Antes de la erosión / Z= -2,35 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	0,0064	-2,8691	41	18,7673	14,7894	81	29,291	25,359501	121	23,7034	22,852501	161	10,6514	20,360001
2	0,0063	-1,9057	42	19,248899	15,164	82	29,4932	25,624399	122	23,477501	22,697901	162	10,2282	20,518
3	0,0091	-0,9311	43	19,7265	15,5454	83	29,693899	25,890499	123	23,253201	22,544701	163	9,8193	20,6971
4	1,0888	0,0034	44	20,1992	15,9319	84	29,891899	26,16	124	23,0233	22,3953	164	9,4226	20,893299
5	2,2332	0,0087	45	20,665001	16,323299	85	30,090799	26,4298	125	22,7915	22,251499	165	9,0404	21,106501
6	3,3896	0,0099	46	21,129101	16,718	86	29,8389	26,464199	126	22,558901	22,1105	166	8,668	21,341801
7	4,7562	0,8997	47	21,5425	17,0767	87	29,478201	26,437099	127	22,321699	21,973101	167	8,3056	21,594601
8	4,763	1,5117	48	21,792801	17,299101	88	29,356001	26,4261	128	22,0832	21,839899	168	7,9568	21,8636
9	4,8067	2,1243	49	22,044201	17,5222	89	29,2337	26,4154	129	21,8377	21,7115	169	7,6241	22,1521
10	4,8956	2,7281	50	22,2911	17,744801	90	29,110399	26,4065	130	21,591801	21,584999	170	7,2954	22,4676
11	5,0248	3,3249	51	22,536699	17,9716	91	28,9874	26,395201	131	21,344	21,4624	171	6,9915	22,790501
12	5,1954	3,9115	52	22,782	18,196301	92	28,865299	26,3857	132	21,0919	21,3459	172	6,7015	23,128201
13	5,4087	4,4852	53	23,026501	18,4252	93	28,742701	26,3755	133	20,8403	21,232201	173	6,4337	23,4771
14	5,6593	5,0447	54	23,268499	18,6551	94	28,6194	26,364401	134	20,586399	21,1241	174	6,1846	23,8381
15	5,9506	5,5849	55	23,509199	18,885401	95	28,496799	26,353901	135	20,331499	21,0203	175	5,9542	24,2129
16	6,2805	6,1035	56	23,749001	19,118	96	28,372801	26,3417	136	20,0774	20,9203	176	5,7428	24,5961
17	6,6462	6,5988	57	23,9893	19,3515	97	28,250299	26,3335	137	19,8197	20,8249	177	5,5504	24,989201
18	7,0441	7,0652	58	24,227501	19,587601	98	28,127399	26,3228	138	19,5888	20,744801	178	5,3756	25,3943
19	7,4826	7,5104	59	24,4547	19,815599	99	28,004999	26,3127	139	19,2981	20,647499	179	5,2248	25,806499
20	7,9437	7,9183	60	24,690201	20,053801	100	27,882099	26,302401	140	19,0373	20,564501	180	5,0936	26,227301
21	8,4326	8,2898	61	24,924101	20,294701	101	27,7593	26,2917	141	18,7754	20,489	181	4,9828	26,652201
22	8,9469	8,6304	62	25,155199	20,5338	102	27,636499	26,2798	142	18,512699	20,4156	182	4,8942	27,0816
23	9,4854	8,9301	63	25,3853	20,7763	103	27,513201	26,269899	143	18,2486	20,346701	183	4,8281	27,516199
24	10,0293	9,2058	64	25,612801	21,021299	104	27,391199	26,2593	144	17,9848	20,283701	184	4,7841	27,9296
25	10,5703	9,4922	65	25,8403	21,265499	105	26,9154	25,847799	145	17,538799	20,1863	185	4,0863	28,5763
26	11,111	9,7851	66	26,069	21,511499	106	26,738501	25,6378	146	17,108801	20,1038	186	2,605	28,578699
27	11,645	10,0794	67	26,2952	21,7616	107	26,5588	25,4314	147	16,6772	20,0343	187	1,1239	28,578501
28	12,174	10,3798	68	26,5205	22,011801	108	26,377899	25,228001	148	16,242399	19,9769	188	0,0098	29,316099
29	12,7011	10,6845	69	26,743	22,261101	109	26,1931	25,0257	149	15,8096	19,9298	189	0,0017	30,2974
30	13,2268	10,9968	70	26,9631	22,511499	110	26,003599	24,8274	150	15,3821	19,8957	190	-0,0007	31,292801
31	13,7495	11,3136	71	27,180799	22,762501	111	25,812401	24,629	151	14,9708	19,873301			
32	14,2657	11,6376	72	27,3965	23,015699	112	25,6078	24,430401	152	14,5394	19,860701			
33	14,7802	11,9653	73	27,614599	23,2717	113	25,4098	24,242201	153	14,1052	19,858801			
34	15,2961	12,3029	74	27,8279	23,527201	114	25,208799	24,056999	154	13,6782	19,9074			
35	15,8028	12,6436	75	28,0413	23,7852	115	25,003799	23,874399	155	13,2334	19,881901			
36	16,305099	12,9874	76	28,2533	24,043301	116	24,794001	23,694599	156	12,7967	19,906799			
37	16,8029	13,3362	77	28,4645	24,305	117	24,580601	23,5186	157	12,3549	19,9555			
38	17,2999	13,691	78	28,674299	24,5681	118	24,3652	23,346001	158	11,9226	20,0247			
39	17,7938	14,0515	79	28,8815	24,8312	119	24,1471	23,1777	159	11,4697	20,121401			
40	18,2843	14,417	80	29,088301	25,094801	120	23,9259	23,012699	160	11,0742	20,225201			



<i>VDI 28 / Step 2 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7533	0,7898	33	13,5509	11,2701	65	23,969	21,2852	97	21,655399	21,637899	129	11,0753	20,2463
2	4,7533	1,2094	34	13,9297	11,5259	66	24,2519	21,6322	98	21,3542	21,4786	130	10,7475	20,350201
3	4,7738	1,6677	35	14,306	11,782	67	24,5294	21,981701	99	21,044001	21,331301	131	10,4209	20,4606
4	4,8112	2,1219	36	14,6786	12,044	68	24,798	22,341299	100	20,730301	21,1936	132	10,1027	20,59
5	4,8655	2,5758	37	15,0457	12,3121	69	25,064501	22,7052	101	20,4118	21,0648	133	9,7897	20,728001
6	4,9489	3,0284	38	15,4111	12,5862	70	25,323299	23,075399	102	20,094101	20,935301	134	9,4802	20,8783
7	5,0564	3,4731	39	15,7758	12,8635	71	25,576401	23,443001	103	19,771999	20,819799	135	9,179	21,0415
8	5,1872	3,9118	40	16,1406	13,1413	72	25,8372	23,8009	104	19,4533	20,7054	136	8,8862	21,218
9	5,3423	4,3428	41	16,498501	13,4249	73	26,141199	24,1241	105	19,1259	20,601801	137	8,5993	21,402399
10	5,5199	4,7673	42	16,8575	13,7065	74	26,453899	24,441299	106	18,799101	20,503201	138	8,3173	21,5984
11	5,718	5,1798	43	17,2094	13,9961	75	26,732901	24,7847	107	18,4667	20,4119	139	8,0577	21,819901
12	5,9392	5,585	44	17,5532	14,2882	76	26,991699	25,1467	108	18,132999	20,328899	140	7,785	22,0256
13	6,1857	5,9792	45	17,895399	14,5858	77	27,3652	25,419001	109	17,795099	20,254299	141	7,531	22,252899
14	6,4466	6,3589	46	18,2334	14,8915	78	27,659599	25,752899	110	17,4617	20,182501	142	7,2859	22,5009
15	6,729	6,7221	47	18,562201	15,2045	79	27,8346	26,177	111	17,123501	20,126499	143	7,0462	22,743099
16	7,0294	7,0692	48	18,889299	15,5235	80	27,837299	26,730301	112	16,789801	20,068899	144	6,8217	23,000999
17	7,3491	7,4002	49	19,217199	15,8414	81	26,032	24,8771	113	16,451799	20,0179	145	6,6037	23,2659
18	7,6849	7,7155	50	19,543501	16,1609	82	25,7973	24,6292	114	16,1087	19,9736	146	6,3972	23,543501
19	8,0393	8,0127	51	19,863199	16,484699	83	25,5504	24,3867	115	15,7675	19,938101	147	6,2016	23,826099
20	8,4041	8,289	52	20,1861	16,801901	84	25,3004	24,1521	116	15,4302	19,911501	148	6,0205	24,114799
21	8,786	8,548	53	20,4988	17,129499	85	25,0462	23,9221	117	15,0924	19,894699	149	5,8489	24,4119
22	9,1808	8,7846	54	20,813499	17,455	86	24,790001	23,698799	118	14,7705	19,8783	150	5,6889	24,713699
23	9,5879	9,002	55	21,1138	17,796801	87	24,526199	23,481501	119	14,4507	19,872499	151	5,5427	25,021
24	9,9959	9,2092	56	21,410601	18,142401	88	24,2575	23,269501	120	14,1159	19,873899	152	5,4097	25,335699
25	10,4013	9,4183	57	21,699301	18,4951	89	23,9835	23,0646	121	13,7795	19,878201	153	5,2864	25,652901
26	10,8038	9,634	58	21,995701	18,8353	90	23,708099	22,863001	122	13,4437	19,887899	154	5,1787	25,9774
27	11,2066	9,8542	59	22,277201	19,189899	91	23,4184	22,6763	123	13,1072	19,898701	155	5,0799	26,3069
28	11,606	10,0788	60	22,5611	19,5383	92	23,136	22,483299	124	12,7641	19,9226	156	4,9972	26,638201
29	12,0005	10,3049	61	22,833099	19,8976	93	22,847601	22,2994	125	12,4271	20,000099	157	4,9268	26,972401
30	12,3907	10,5416	62	23,1127	20,245199	94	22,555599	22,123699	126	12,0893	20,0488	158	4,8604	27,305599
31	12,7807	10,7799	63	23,4014	20,588499	95	22,259199	21,9545	127	11,7501	20,0898	159	4,8157	27,641899
32	13,1658	11,0219	64	23,687799	20,936199	96	21,960899	21,788799	128	11,4095	20,1579	160	4,7842	27,9785

<i>VDI 28 / Step 2 / Sección C / Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	0,0019	-3,0554	41	17,7682	14,049	81	28,813999	24,763399	121	23,9709	23,061399	161	11,4657	20,1353	
2	0,0037	-2,1399	42	18,2342	14,3951	82	29,038401	25,0485	122	23,7299	22,8874	162	11,0468	20,2456	
3	0,0081	-1,2187	43	18,692801	14,7464	83	29,258699	25,333799	123	23,4907	22,721399	163	10,7006	20,354601	
4	0,9038	0,0154	44	19,1493	15,1042	84	29,4783	25,620899	124	23,248899	22,5574	164	10,326	20,492701	
5	2,1428	0,0231	45	19,6035	15,4631	85	29,695	25,9095	125	23,0026	22,3997	165	9,9575	20,646799	
6	3,3795	0,0234	46	20,055099	15,8292	86	29,910601	26,201599	126	22,7542	22,2442	166	9,5992	20,8144	
7	4,7538	0,6957	47	20,223101	15,9654	87	30,0322	26,485901	127	22,502199	22,094601	167	9,2532	20,996599	
8	4,7544	1,2768	48	20,5023	16,2003	88	29,893	26,4783	128	22,2479	21,9491	168	8,9146	21,196199	
9	4,7806	1,8608	49	20,777901	16,4342	89	29,750401	26,4711	129	21,9907	21,806801	169	8,5858	21,4105	
10	4,8448	2,437	50	21,052299	16,667801	90	29,610399	26,4604	130	21,727301	21,669701	170	8,2624	21,6374	
11	4,9472	3,0099	51	21,326799	16,9046	91	29,4669	26,4492	131	21,4622	21,5354	171	7,9546	21,878799	
12	5,0906	3,5734	52	21,600599	17,1434	92	29,324301	26,438601	132	21,191799	21,4084	172	7,6558	22,133801	
13	5,264	4,1307	53	21,871799	17,3834	93	29,1831	26,426399	133	20,926901	21,2852	173	7,3683	22,405001	
14	5,4802	4,672	54	22,1432	17,6271	94	29,0403	26,414801	134	20,6514	21,1651	174	7,0848	22,697201	
15	5,7301	5,1985	55	22,4119	17,870701	95	28,8988	26,403299	135	20,379299	21,053499	175	6,8232	22,994801	
16	6,0148	5,7061	56	22,676201	18,115601	96	28,757601	26,3927	136	20,1064	20,945999	176	6,5748	23,302299	
17	6,3331	6,1963	57	22,942101	18,3622	97	28,615299	26,378901	137	19,831699	20,844	177	6,3412	23,616899	
18	6,6866	6,6646	58	23,206499	18,611601	98	28,473301	26,366199	138	19,5555	20,745399	178	6,1227	23,943199	
19	7,0682	7,1071	59	23,4657	18,8612	99	28,331499	26,3538	139	19,2764	20,6549	179	5,9187	24,2787	
20	7,4859	7,5275	60	23,726299	19,112301	100	28,1898	26,340799	140	18,995199	20,5669	180	5,7324	24,622299	
21	7,9274	7,9174	61	23,986601	19,364901	101	28,048201	26,328501	141	18,7134	20,4851	181	5,5629	24,9734	
22	8,3884	8,274	62	24,2444	19,622	102	27,9062	26,3169	142	18,429701	20,407301	182	5,4044	25,3337	
23	8,8761	8,5995	63	24,489799	19,8689	103	27,7645	26,306	143	18,1483	20,3363	183	5,2651	25,7017	
24	9,3808	8,8892	64	24,743999	20,128401	104	27,623199	26,2936	144	17,8638	20,270901	184	5,1397	26,0721	
25	9,8986	9,153	65	24,997999	20,3873	105	27,481501	26,2819	145	17,580299	20,2097	185	5,0342	26,451099	
26	10,4127	9,4213	66	25,248199	20,648001	106	27,340401	26,268101	146	17,2962	20,152201	186	4,945	26,833099	
27	10,9297	9,6985	67	25,4981	20,910999	107	26,9512	25,9095	147	16,840799	20,074499	187	4,0393	28,5916	
28	11,4345	9,977	68	25,7453	21,1758	108	26,762501	25,683599	148	16,4508	20,0177	188	2,7454	28,593	
29	11,9385	10,2595	69	25,992599	21,442699	109	26,5721	25,4624	149	16,065901	19,970699	189	1,4551	28,591	
30	12,4398	10,5486	70	26,2372	21,7129	110	26,3785	25,242901	150	15,6815	19,934099	190	0,0011	29,4202	
31	12,9413	10,8406	71	26,481701	21,9853	111	26,1803	25,028099	151	15,3078	19,905199	191	0,0002	30,3624	
32	13,4379	11,1414	72	26,722601	22,256399	112	25,9765	24,8137	152	14,9419	19,8853	192	-0,0031	31,3132	
33	13,9314	11,4433	73	26,962	22,528601	113	25,769899	24,604601	153	14,556	19,872999				
34	14,4242	11,7507	74	27,1987	22,800699	114	25,5527	24,393101	154	14,1692	19,872299				
35	14,9124	12,0664	75	27,434	23,0748	115	25,334499	24,1882	155	13,7841	19,8806				
36	15,4001	12,3859	76	27,667	23,353399	116	25,1187	23,990999	156	13,3943	19,893801				
37	15,8792	12,7103	77	27,900299	23,628599	117	24,8951	23,7971	157	13,0083	19,917101				
38	16,355101	13,037	78	28,1299	23,909401	118	24,669001	23,6066	158	12,6209	19,958099				
39	16,8281	13,3684	79	28,360399	24,1917	119	24,439199	23,4195	159	12,2046	19,990801				
40	17,300699	13,7049	80	28,589399	24,4778	120	24,205799	23,2377	160	11,8491	20,0818				

<i>VDI 28 / Step 2 / Sección C / Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7476	0,7749	35	14,4423	11,8832	69	25,3589	22,936899	103	22,614	22,166	137	11,7272	20,089199
2	4,7457	1,2	36	14,8203	12,1465	70	25,6201	23,308701	104	22,3223	22,0009	138	11,3982	20,1703
3	4,7611	1,6621	37	15,1899	12,4251	71	25,865999	23,688801	105	22,032301	21,837099	139	11,0718	20,251301
4	4,7975	2,1222	38	15,5661	12,6967	72	26,1332	24,0508	106	21,7314	21,6924	140	10,7493	20,350201
5	4,8586	2,5816	39	15,9359	12,9778	73	26,518499	24,3146	107	21,4356	21,539	141	10,4346	20,4648
6	4,9446	3,0385	40	16,2967	13,2658	74	26,931601	24,554899	108	21,133801	21,3971	142	10,1205	20,584
7	5,0535	3,4888	41	16,6595	13,555	75	27,3479	24,7987	109	20,833099	21,2516	143	9,8165	20,7229
8	5,188	3,9344	42	17,0231	13,8409	76	27,715799	25,087799	110	20,5245	21,119699	144	9,5147	20,8699
9	5,3447	4,3704	43	17,3736	14,1361	77	28,0151	25,4342	111	20,2127	20,9967	145	9,218	21,024599
10	5,525	4,7989	44	17,7206	14,4358	78	28,2215	25,8459	112	19,899099	20,877199	146	8,9306	21,193501
11	5,7285	5,2159	45	18,068701	14,7365	79	28,3165	26,3377	113	19,586201	20,768101	147	8,6489	21,374001
12	5,952	5,627	46	18,417	15,039	80	28,232901	26,969101	114	19,27	20,6614	148	8,375	21,562799
13	6,2038	6,025	47	18,757999	15,3476	81	29,527901	24,667299	115	18,948999	20,570801	149	8,1073	21,7651
14	6,4705	6,4065	48	19,092699	15,6657	82	29,311399	25,0476	116	18,628201	20,4699	150	7,8475	21,9757
15	6,7588	6,7716	49	19,4228	15,9921	83	29,1113	25,255501	117	18,304701	20,386	151	7,5961	22,197701
16	7,064	7,1212	50	19,7544	16,312599	84	28,9146	25,4219	118	17,9764	20,306	152	7,357	22,4312
17	7,3899	7,4557	51	20,0802	16,6387	85	28,720501	25,5299	119	17,6506	20,236099	153	7,1188	22,6712
18	7,7328	7,7702	52	20,394899	16,9739	86	28,5284	25,6238	120	17,3237	20,1682	154	6,8961	22,9179
19	8,0926	8,069	53	20,7097	17,3085	87	28,3388	25,6868	121	16,9951	20,1071	155	6,6812	23,176001
20	8,4651	8,3453	54	21,0268	17,6397	88	28,150499	25,7297	122	16,664301	20,058701	156	6,4751	23,4408
21	8,8549	8,6038	55	21,334801	17,980101	89	27,9662	25,747499	123	16,333599	20,0145	157	6,2812	23,715099
22	9,2567	8,8387	56	21,631399	18,3372	90	27,782801	25,747601	124	15,9988	19,9785	158	6,098	23,995001
23	9,6713	9,053	57	21,931499	18,6831	91	25,7712	24,625999	125	15,6645	19,9452	159	5,9281	24,281
24	10,084	9,2633	58	22,2328	19,029301	92	25,534	24,3853	126	15,3304	19,919701	160	5,7657	24,573601
25	10,4904	9,4808	59	22,5235	19,378401	93	25,289499	24,154499	127	15,0035	19,9034	161	5,6179	24,873199
26	10,9002	9,6991	60	22,809299	19,7318	94	25,0446	23,931601	128	14,6927	19,891001	162	5,476	25,176201
27	11,3067	9,9231	61	23,0835	20,0931	95	24,7917	23,712799	129	14,3748	19,8869	163	5,3505	25,4828
28	11,7113	10,1485	62	23,3582	20,460199	96	24,530399	23,5084	130	14,0454	19,8899	164	5,2341	25,7948
29	12,1082	10,3805	63	23,649099	20,811701	97	24,2712	23,292601	131	13,7214	19,8981	165	5,1301	26,1143
30	12,5035	10,6202	64	23,9562	21,1471	98	24,002399	23,0989	132	13,3874	19,907499	166	5,0392	26,4335
31	12,9004	10,8611	65	24,249001	21,492901	99	23,7307	22,901899	133	13,0537	19,923	167	4,9608	26,7579
32	13,2899	11,1093	66	24,5266	21,853001	100	23,4566	22,7094	134	12,7229	19,9494	168	4,8937	27,0854
33	13,6797	11,3643	67	24,800501	22,216299	101	23,1745	22,525801	135	12,3908	19,9834	169	4,8399	27,411301
34	14,0635	11,6215	68	25,081699	22,5739	102	22,893	22,3482	136	12,0571	20,031799	170	4,7999	27,7411

<i>VDI 28 / Step 3 / Sección A / Antes de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0076	-2,887	41	17,582199	13,928	81	29,3927	25,5194	121	24,3794	23,3818	161	11,8373	20,061199
2	-0,001	-2,1198	42	18,038099	14,2667	82	29,6269	25,830099	122	24,2047	23,244801	162	11,3487	20,172001
3	-0,0009	-1,3162	43	18,4918	14,6078	83	29,860901	26,143499	123	24,0306	23,111601	163	10,8651	20,310801
4	1,2754	0,0407	44	18,938299	14,9535	84	30,0912	26,4554	124	23,851	22,981199	164	10,3932	20,4767
5	2,1834	0,0416	45	19,381701	15,3022	85	29,811701	26,4729	125	23,671801	22,851801	165	9,9304	20,667
6	3,1173	0,042	46	19,8225	15,6548	86	29,4261	26,443899	126	23,489401	22,726299	166	9,4812	20,8841
7	4,7384	0,9322	47	20,279499	16,030899	87	29,2418	26,4296	127	23,306801	22,6026	167	9,0457	21,1252
8	4,7445	1,4923	48	20,5786	16,2792	88	29,136801	26,420601	128	23,1248	22,4821	168	8,6209	21,391701
9	4,7816	2,0589	49	20,875999	16,5317	89	29,0329	26,4093	129	22,938801	22,364799	169	8,2142	21,681801
10	4,8565	2,6221	50	21,171101	16,783001	90	28,9275	26,400999	130	22,752199	22,2495	170	7,8242	21,9942
11	4,9678	3,1808	51	21,4631	17,038401	91	28,822599	26,3932	131	22,564501	22,136	171	7,4549	22,3279
12	5,1151	3,7323	52	21,752501	17,2931	92	28,718599	26,3843	132	22,3734	22,024599	172	7,1039	22,6826
13	5,2977	4,2749	53	22,0392	17,5494	93	28,6143	26,376101	133	22,180799	21,9167	173	6,7756	23,0569
14	5,5191	4,8048	54	22,326	17,808701	94	28,508699	26,367399	134	21,9865	21,811001	174	6,4674	23,4508
15	5,7717	5,316	55	22,613501	18,073099	95	28,4051	26,3589	135	21,788601	21,7061	175	6,1818	23,8585
16	6,0565	5,8096	56	22,8992	18,3372	96	28,301201	26,3491	136	21,5905	21,6059	176	5,9194	24,2834
17	6,3755	6,2837	57	23,182199	18,603201	97	28,197001	26,34	137	21,3918	21,507401	177	5,6829	24,721201
18	6,725	6,7389	58	23,465	18,8734	98	28,0933	26,3309	138	21,192699	21,4118	178	5,4736	25,1724
19	7,1045	7,1692	59	23,7428	19,143299	99	27,988899	26,3211	139	20,9925	21,321199	179	5,2882	25,6343
20	7,511	7,5764	60	24,0196	19,415899	100	27,886	26,312401	140	20,789801	21,2318	180	5,1287	26,106199
21	7,942	7,9511	61	24,2894	19,682699	101	27,781	26,305099	141	20,5884	21,1451	181	4,9984	26,5853
22	8,3962	8,2988	62	24,562901	19,9559	102	27,6779	26,2953	142	20,384701	21,0604	182	4,8937	27,0693
23	8,8739	8,6145	63	24,8328	20,2349	103	27,5741	26,2862	143	20,1782	20,9806	183	4,8184	27,5611
24	9,3691	8,8982	64	25,1049	20,5137	104	27,469601	26,2773	144	19,971701	20,9	184	4,7694	28,053101
25	9,8752	9,16	65	25,3734	20,7953	105	26,902	25,8629	145	19,5954	20,7665	185	3,5684	28,606899
26	10,3798	9,4225	66	25,6388	21,080299	106	26,7603	25,6908	146	19,121901	20,611401	186	2,4458	28,6089
27	10,8829	9,6906	67	25,903799	21,365601	107	26,6182	25,5189	147	18,6436	20,470301	187	1,3184	28,6091
28	11,3837	9,9646	68	26,164499	21,652201	108	26,469999	25,3556	148	18,1621	20,3454	188	-0,0021	29,833
29	11,8776	10,2414	69	26,422899	21,936001	109	26,321899	25,190001	149	17,6745	20,2351	189	-0,0024	30,3946
30	12,365	10,5207	70	26,680599	22,222601	110	26,1712	25,026899	150	17,187401	20,1395	190	-0,003	31,003201
31	12,8538	10,806	71	26,9349	22,5135	111	26,019501	24,8657	151	16,6978	20,058701			
32	13,3385	11,0971	72	27,190399	22,806101	112	25,866899	24,7083	152	16,2083	19,994301			
33	13,8222	11,3923	73	27,444201	23,103399	113	25,7048	24,550301	153	15,7199	19,943399			
34	14,3059	11,6968	74	27,6954	23,399401	114	25,5506	24,3983	154	15,2288	19,9077			
35	14,7807	11,9987	75	27,944401	23,7015	115	25,3906	24,248199	155	14,7388	19,887199			
36	15,2537	12,3076	76	28,1936	23,998899	116	25,227301	24,100401	156	14,2692	19,8792			
37	15,7297	12,6257	77	28,435101	24,3008	117	25,063499	23,9527	157	13,7829	19,888599			
38	16,196501	12,9435	78	28,6784	24,601801	118	24,8957	23,8067	158	13,3043	19,902201			
39	16,6607	13,2668	79	28,9165	24,9053	119	24,725201	23,662701	159	12,813	19,9266			
40	17,122601	13,593	80	29,1567	25,211399	120	24,5543	23,5194	160	12,3229	19,982401			

<i>VDI 28 / Step 3 / Sección A / Después de la erosión / Z= -3,55 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	4,7206	0,7688	35	14,6243	11,9093	69	26,375799	22,3813	103	23,7223	22,8549	137	12,0927	19,9193	
2	4,7223	1,2281	36	15,0115	12,1666	70	26,684299	22,723801	104	23,425301	22,6483	138	11,7277	19,9834	
3	4,7406	1,6975	37	15,3913	12,4312	71	26,983299	23,0758	105	23,127501	22,446301	139	11,3722	20,065001	
4	4,7788	2,1658	38	15,7736	12,6957	72	27,2777	23,435699	106	22,818001	22,2582	140	11,0187	20,167801	
5	4,8464	2,6324	39	16,1549	12,9615	73	27,581699	23,791599	107	22,509899	22,071199	141	10,6726	20,2896	
6	4,9371	3,0949	40	16,530701	13,2341	74	27,8773	24,149599	108	22,1922	21,902	142	10,3291	20,415199	
7	5,0531	3,5495	41	16,911699	13,5095	75	28,1674	24,5051	109	21,877001	21,719299	143	9,992	20,555	
8	5,1936	3,9971	42	17,288	13,7862	76	28,480499	24,845699	110	21,5518	21,5518	144	9,6624	20,7197	
9	5,3599	4,4363	43	17,6544	14,071	77	28,7931	25,188801	111	21,224501	21,3929	145	9,3453	20,899799	
10	5,5473	4,8678	44	18,022499	14,3555	78	29,0888	25,545799	112	20,886299	21,2633	146	9,029	21,083099	
11	5,7589	5,2849	45	18,3848	14,6482	79	29,3454	25,934799	113	20,5534	21,118299	147	8,7174	21,282301	
12	5,9898	5,6933	46	18,7484	14,941	80	29,505301	26,3941	114	20,220699	20,9811	148	8,4184	21,490601	
13	6,2434	6,0913	47	19,105101	15,2356	81	29,535601	26,063101	115	19,882401	20,8514	149	8,1238	21,7078	
14	6,5201	6,4701	48	19,463499	15,5315	82	29,3155	26,0945	116	19,541401	20,7283	150	7,8486	21,9429	
15	6,8132	6,8389	49	19,818501	15,8298	83	29,095501	26,1061	117	19,1978	20,6117	151	7,5798	22,1845	
16	7,1298	7,1825	50	20,1719	16,129	84	28,878401	26,0938	118	18,8461	20,5109	152	7,3146	22,432199	
17	7,4657	7,5194	51	20,5214	16,436199	85	28,6619	26,063499	119	18,491301	20,4154	153	7,0604	22,698601	
18	7,8195	7,8336	52	20,8668	16,750099	86	28,445101	26,0186	120	18,137501	20,328501	154	6,8296	22,9811	
19	8,1882	8,1289	53	21,209499	17,0667	87	28,230101	25,966299	121	17,7897	20,229799	155	6,6016	23,2661	
20	8,5717	8,4029	54	21,5536	17,377701	88	28,013901	25,920601	122	17,437401	20,153601	156	6,3731	23,552099	
21	8,9665	8,6551	55	21,8916	17,6954	89	27,7983	25,8694	123	17,0865	20,086901	157	6,165	23,8498	
22	9,3753	8,8838	56	22,2304	18,0124	90	27,582399	25,810499	124	16,7307	20,024599	158	5,9748	24,160299	
23	9,7958	9,098	57	22,5655	18,3312	91	27,013901	25,7255	125	16,373199	19,9716	159	5,7916	24,475	
24	10,2123	9,3119	58	22,891199	18,6612	92	26,715099	25,498899	126	16,0145	19,9249	160	5,6261	24,7967	
25	10,6252	9,5283	59	23,209	19,005301	93	26,439899	25,2582	127	15,661	19,8869	161	5,4797	25,1266	
26	11,03	9,7498	60	23,527	19,3452	94	26,1726	25,0105	128	15,3223	19,8573	162	5,3496	25,463699	
27	11,4388	9,9737	61	23,854401	19,6693	95	25,913401	24,759399	129	14,9847	19,8316	163	5,2254	25,804899	
28	11,8428	10,1995	62	24,1702	20,003099	96	25,645	24,5075	130	14,6262	19,8146	164	5,1151	26,148399	
29	12,249	10,428	63	24,481701	20,343201	97	25,3918	24,2507	131	14,2662	19,805	165	5,0183	26,497499	
30	12,6522	10,6691	64	24,8029	20,677799	98	25,1273	24,0028	132	13,9045	19,8085	166	4,9367	26,8517	
31	13,0481	10,9126	65	25,118999	21,017599	99	24,860701	23,755899	133	13,5493	19,8239	167	4,8708	27,2071	
32	13,4419	11,1542	66	25,4387	21,3556	100	24,5861	23,516199	134	13,1889	19,8276	168	4,8191	27,562799	
33	13,8378	11,403	67	25,752199	21,7006	101	24,303499	23,289	135	12,8271	19,8367	169	4,7847	27,9	
34	14,2352	11,6525	68	26,066	22,0387	102	24,0151	23,067301	136	12,4595	19,875999	170	4,7632	28,2244	

VDI 28 / Step 3 / Sección B / Antes de la erosión / Z= -2,35 mm constante															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0087	-2,8075	41	18,7857	14,8184	81	29,3062	25,3895	121	23,7395	22,8836	161	10,665	20,361099	
2	-0,0065	-1,8759	42	19,261101	15,1929	82	29,509501	25,656401	122	23,513599	22,7274	162	10,2487	20,516001	
3	-0,0063	-0,9063	43	19,7383	15,5712	83	29,712999	25,9251	123	23,2868	22,5748	163	9,8394	20,692101	
4	1,1599	0,0229	44	20,2099	15,9568	84	29,9137	26,1959	124	23,058201	22,425501	164	9,4394	20,8878	
5	2,2884	0,0259	45	20,6796	16,347601	85	30,108801	26,4666	125	22,828699	22,2819	165	9,0528	21,1036	
6	3,449	0,0263	46	21,146099	16,745001	86	29,8626	26,454399	126	22,5947	22,1392	166	8,6768	21,339399	
7	4,7342	0,93	47	21,5574	17,103901	87	29,498699	26,4319	127	22,3596	22,0007	167	8,3123	21,591999	
8	4,7433	1,533	48	21,807199	17,324301	88	29,372601	26,4212	128	22,118601	21,8685	168	7,961	21,8647	
9	4,7888	2,1453	49	22,053801	17,546101	89	29,249201	26,412399	129	21,874201	21,738001	169	7,6264	22,1539	
10	4,8781	2,7508	50	22,3006	17,7687	90	29,1255	26,4004	130	21,6315	21,6089	170	7,3046	22,460899	
11	5,0103	3,3531	51	22,549801	17,9967	91	29,0021	26,390301	131	21,381701	21,4881	171	7,0023	22,779301	
12	5,1842	3,9425	52	22,793501	18,2251	92	28,878799	26,3813	132	21,1336	21,370701	172	6,7128	23,115801	
13	5,4006	4,5199	53	23,039801	18,4522	93	28,755301	26,3699	133	20,886	21,257999	173	6,4425	23,4681	
14	5,6582	5,0842	54	23,2843	18,6835	94	28,631901	26,358999	134	20,634899	21,1488	174	6,1889	23,831301	
15	5,9501	5,6232	55	23,525801	18,9161	95	28,507799	26,3494	135	20,382799	21,044001	175	5,9548	24,2073	
16	6,2823	6,1388	56	23,7651	19,149	96	28,385201	26,339001	136	20,126301	20,9452	176	5,7401	24,5949	
17	6,652	6,6341	57	24,0037	19,384199	97	28,2623	26,328699	137	19,8678	20,8468	177	5,5463	24,9914	
18	7,0534	7,1023	58	24,2411	19,616699	98	28,139099	26,3169	138	19,6063	20,754101	178	5,3719	25,3964	
19	7,4896	7,542	59	24,4734	19,851299	99	28,017	26,307501	139	19,3456	20,667601	179	5,219	25,8118	
20	7,9544	7,9464	60	24,7062	20,0882	100	27,892799	26,2976	140	19,082899	20,582899	180	5,0868	26,2342	
21	8,4458	8,3193	61	24,9387	20,3291	101	27,771299	26,285601	141	18,8172	20,503201	181	4,9733	26,660601	
22	8,9644	8,6547	62	25,1731	20,569201	102	27,648399	26,2742	142	18,551901	20,4289	182	4,886	27,091999	
23	9,4986	8,9509	63	25,4044	20,813	103	27,526199	26,2654	143	18,285	20,360399	183	4,8203	27,527399	
24	10,0443	9,2313	64	25,633301	21,0569	104	27,404499	26,2547	144	18,018499	20,2952	184	4,7741	27,965599	
25	10,5873	9,5181	65	25,863001	21,3032	105	26,934401	25,882099	145	17,569	20,1966	185	4,0926	28,589399	
26	11,1297	9,8109	66	26,088499	21,5501	106	26,7586	25,670401	146	17,136499	20,114201	186	2,6172	28,594601	
27	11,6659	10,1069	67	26,3127	21,7966	107	26,579399	25,4601	147	16,700899	20,0455	187	1,1302	28,595301	
28	12,1944	10,4048	68	26,5336	22,0429	108	26,396601	25,2554	148	16,267599	19,9848	188	0,0028	29,3771	
29	12,72	10,7119	69	26,754601	22,2908	109	26,2113	25,0529	149	15,8344	19,939501	189	-0,0031	30,325399	
30	13,2457	11,0244	70	26,9732	22,5429	110	26,0215	24,851999	150	15,3978	19,9034	190	-0,0026	31,3216	
31	13,7636	11,3406	71	27,1947	22,795	111	25,831699	24,657801	151	14,9614	19,8787				
32	14,2834	11,6669	72	27,4135	23,0504	112	25,6336	24,4631	152	14,5381	19,865601				
33	14,7969	11,9926	73	27,630199	23,3055	113	25,438801	24,276199	153	14,1177	19,864599				
34	15,3095	12,3295	74	27,8461	23,562201	114	25,2384	24,091	154	13,6901	19,8755				
35	15,8207	12,6708	75	28,059	23,824499	115	25,0327	23,9098	155	13,2594	19,889799				
36	16,320999	13,0139	76	28,2731	24,081499	116	24,8223	23,7293	156	12,8212	19,9116				
37	16,819599	13,3639	77	28,480499	24,34	117	24,6117	23,551201	157	12,3855	19,956499				
38	17,316799	13,7169	78	28,6896	24,6001	118	24,3969	23,379101	158	11,9565	20,0236				
39	17,809799	14,0786	79	28,895201	24,8608	119	24,1793	23,211599	159	11,5217	20,114401				
40	18,2997	14,4466	80	29,101801	25,125099	120	23,959999	23,046	160	11,0877	20,2264				

<i>VDI 28 / Step 3 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7144	0,4318	36	14,8878	12,0785	71	27,011499	23,080999	106	23,2115	22,4935	141	11,3938	20,050301
2	4,7171	0,8967	37	15,277	12,3409	72	27,308701	23,444901	107	22,9091	22,305599	142	11,0214	20,1563
3	4,7213	1,3686	38	15,6639	12,6072	73	27,606501	23,812	108	22,610701	22,119301	143	10,7118	20,265301
4	4,7476	1,8443	39	16,0473	12,8756	74	27,8997	24,1766	109	22,305599	21,9433	144	10,3757	20,3881
5	4,7979	2,3169	40	16,4245	13,1543	75	28,204201	24,5273	110	21,997	21,7707	145	10,0451	20,524401
6	4,8728	2,7867	41	16,813	13,4252	76	28,5233	24,8703	111	21,6782	21,611799	146	9,7247	20,6814
7	4,975	3,249	42	17,190599	13,7087	77	28,831301	25,2243	112	21,359501	21,449301	147	9,4065	20,8505
8	5,0996	3,7077	43	17,562799	13,9972	78	29,129	25,584499	113	21,036301	21,3016	148	9,103	21,037701
9	5,2547	4,1574	44	17,933001	14,2879	79	29,3771	25,988001	114	20,7115	21,1604	149	8,7928	21,2215
10	5,4293	4,5993	45	18,3039	14,5788	80	29,518299	26,4664	115	20,3873	21,016001	150	8,5044	21,430901
11	5,6292	5,029	46	18,6726	14,8684	81	29,8883	25,937401	116	20,0502	20,9076	151	8,2175	21,641899
12	5,8547	5,4469	47	19,040199	15,1627	82	29,612	26,0369	117	19,7258	20,767099	152	7,9417	21,863899
13	6,0958	5,858	48	19,400801	15,4628	83	29,3428	26,09	118	19,388201	20,6528	153	7,6751	22,0949
14	6,358	6,2529	49	19,7591	15,7655	84	29,0749	26,101601	119	19,0494	20,544201	154	7,414	22,334
15	6,6456	6,6313	50	20,113199	16,0695	85	28,810101	26,0784	120	18,703501	20,4438	155	7,1503	22,581499
16	6,9552	6,9906	51	20,459	16,388599	86	28,5466	26,030899	121	18,358	20,351999	156	6,9187	22,8512
17	7,2852	7,3338	52	20,806601	16,7073	87	28,285299	25,9751	122	18,014299	20,267099	157	6,6902	23,1266
18	7,6353	7,6668	53	21,1548	17,023399	88	28,0229	25,91	123	17,672001	20,1908	158	6,4632	23,401899
19	8,0012	7,9741	54	21,5042	17,337601	89	27,758499	25,8431	124	17,326799	20,1259	159	6,2494	23,688
20	8,3817	8,2617	55	21,8442	17,661699	90	27,4984	25,7721	125	16,9832	20,061701	160	6,0633	23,989901
21	8,7754	8,5267	56	22,1833	17,9842	91	27,336901	25,909599	126	16,634001	20,003201	161	5,8894	24,301399
22	9,1839	8,7699	57	22,5252	18,3029	92	27,0098	25,708099	127	16,2848	19,947001	162	5,7081	24,607
23	9,6061	8,9919	58	22,8475	18,642599	93	26,7096	25,490801	128	15,9354	19,906799	163	5,556	24,926201
24	10,0283	9,2077	59	23,186199	18,973	94	26,444201	25,254	129	15,5889	19,8657	164	5,4282	25,254299
25	10,4448	9,4258	60	23,5112	19,3141	95	26,173599	25,0194	130	15,2565	19,841101	165	5,3011	25,583
26	10,8595	9,6474	61	23,8398	19,643801	96	25,924601	24,769899	131	14,9246	19,821699	166	5,1839	25,919901
27	11,2723	9,8726	62	24,164	19,974501	97	25,659401	24,523199	132	14,575	19,808599	167	5,0778	26,256901
28	11,6818	10,0971	63	24,481899	20,317499	98	25,4172	24,270201	133	14,2239	19,811001	168	4,9863	26,6001
29	12,0901	10,3284	64	24,8002	20,662001	99	25,159599	24,027399	134	13,8605	19,796101	169	4,9128	26,946501
30	12,5003	10,5684	65	25,1131	21,011	100	24,902	23,784	135	13,5209	19,805401	170	4,8524	27,2964
31	12,9064	10,8072	66	25,433901	21,3557	101	24,634701	23,544399	136	13,1666	19,813	171	4,7986	27,7048
32	13,3051	11,0551	67	25,7568	21,696501	102	24,362301	23,318399	137	12,8112	19,829399	172	4,7714	28,017099
33	13,702	11,3049	68	26,0732	22,040001	103	24,0793	23,1007	138	12,4552	19,8615			
34	14,1024	11,5588	69	26,3934	22,3815	104	23,794701	22,8913	139	12,102	19,900101			
35	14,4964	11,819	70	26,7048	22,727301	105	23,5007	22,694799	140	11,7441	19,970699			

<i>VDI 28 / Step 3 / Sección C / Antes de la erosión / Z= -1,15 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0157	-2,9907	41	17,764601	14,0322	81	28,822701	24,754801	121	23,986	23,0508	161	11,4292	20,122	
2	-0,0081	-2,1105	42	18,2306	14,3808	82	29,0471	25,0404	122	23,7493	22,8759	162	11,0411	20,226601	
3	-0,0066	-1,1931	43	18,694401	14,7333	83	29,268101	25,327801	123	23,506599	22,7064	163	10,6624	20,3477	
4	0,9305	0,0071	44	19,147499	15,0877	84	29,490101	25,6166	124	23,2645	22,546101	164	10,2913	20,483601	
5	2,1459	0,01	45	19,5993	15,4487	85	29,7094	25,909201	125	23,0193	22,385401	165	9,9255	20,638599	
6	3,3847	0,0117	46	20,053301	15,8132	86	29,927999	26,2022	126	22,7707	22,231001	166	9,5677	20,8083	
7	4,732	0,7228	47	20,219999	15,9521	87	30,0133	26,443501	127	22,5196	22,080099	167	9,2176	20,9949	
8	4,7363	1,2986	48	20,4998	16,1835	88	29,868299	26,440001	128	22,2644	21,934299	168	8,8776	21,194799	
9	4,7621	1,8746	49	20,778	16,417999	89	29,7257	26,4314	129	22,005501	21,790501	169	8,5449	21,4119	
10	4,8287	2,4513	50	21,056299	16,6548	90	29,584801	26,422899	130	21,742701	21,651699	170	8,2243	21,6427	
11	4,9358	3,0237	51	21,3305	16,892099	91	29,443199	26,412201	131	21,4743	21,5193	171	7,914	21,889299	
12	5,0771	3,5889	52	21,601601	17,128599	92	29,300699	26,4013	132	21,2124	21,393499	172	7,615	22,147499	
13	5,2561	4,1433	53	21,871099	17,370001	93	29,158701	26,3901	133	20,943001	21,2698	173	7,3299	22,4188	
14	5,4752	4,6857	54	22,139601	17,6101	94	29,0154	26,375999	134	20,6721	21,1513	174	7,0562	22,704201	
15	5,7297	5,2101	55	22,4088	17,8526	95	28,873501	26,3657	135	20,401501	21,0375	175	6,7988	23	
16	6,0128	5,7134	56	22,6751	18,1005	96	28,7299	26,3533	136	20,127399	20,929701	176	6,5498	23,309099	
17	6,334	6,1984	57	22,9419	18,348801	97	28,5884	26,340401	137	19,8489	20,8253	177	6,3178	23,627701	
18	6,6863	6,6639	58	23,209101	18,599199	98	28,4461	26,330099	138	19,567301	20,7274	178	6,0993	23,9555	
19	7,0679	7,1038	59	23,4692	18,848101	99	28,304701	26,318899	139	19,2876	20,6325	179	5,8963	24,2939	
20	7,4787	7,5179	60	23,7302	19,1012	100	28,1632	26,3048	140	19,004499	20,545401	180	5,7078	24,6388	
21	7,9211	7,9068	61	23,9879	19,3559	101	28,0215	26,2939	141	18,7208	20,461599	181	5,538	24,993999	
22	8,383	8,2612	62	24,246799	19,6101	102	27,8797	26,282	142	18,435101	20,3841	182	5,3831	25,3533	
23	8,8679	8,5832	63	24,497101	19,861401	103	27,738199	26,270201	143	18,148199	20,3116	183	5,2431	25,7208	
24	9,3702	8,87	64	24,749901	20,1192	104	27,597401	26,257099	144	17,8615	20,244101	184	5,1204	26,0956	
25	9,8871	9,1369	65	25,003599	20,380501	105	27,4545	26,2442	145	17,5718	20,183901	185	5,0173	26,4741	
26	10,4036	9,4063	66	25,256001	20,641899	106	27,313801	26,234501	146	17,284901	20,128201	186	4,9291	26,855301	
27	10,9184	9,6805	67	25,507099	20,9083	107	26,967899	25,906799	147	16,8221	20,0488	187	4,0011	28,5765	
28	11,4283	9,9614	68	25,7561	21,174999	108	26,777201	25,6784	148	16,4356	19,990999	188	2,7099	28,5798	
29	11,9345	10,2437	69	26,002199	21,442801	109	26,583599	25,452499	149	16,0501	19,945801	189	1,4149	28,5798	
30	12,4342	10,5317	70	26,2477	21,7106	110	26,385599	25,2314	150	15,6644	19,908899	190	0,0014	29,486601	
31	12,9361	10,8234	71	26,4874	21,9778	111	26,188	25,014601	151	15,276	19,879601	191	-0,0024	30,388399	
32	13,4319	11,1237	72	26,7281	22,2465	112	25,9834	24,800501	152	14,8874	19,861601	192	-0,0039	31,3386	
33	13,9246	11,4267	73	26,9666	22,5187	113	25,7792	24,590401	153	14,5029	19,8522				
34	14,416	11,7361	74	27,2062	22,7931	114	25,569201	24,386	154	14,1337	19,851299				
35	14,9027	12,0485	75	27,441601	23,0707	115	25,3522	24,1833	155	13,7509	19,8589				
36	15,3908	12,3689	76	27,676399	23,346901	116	25,1348	23,9862	156	13,3713	19,870701				
37	15,8746	12,6942	77	27,9093	23,627701	117	24,9135	23,7901	157	12,9801	19,885099				
38	16,3498	13,0217	78	28,142599	23,9083	118	24,684601	23,5994	158	12,5888	19,917101				
39	16,8249	13,3548	79	28,3717	24,190701	119	24,454599	23,4112	159	12,2028	19,967199				
40	17,295799	13,6909	80	28,597799	24,4725	120	24,222799	23,229099	160	11,8163	20,0343				



<i>VDI 28 / Step 3 / Sección C / Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7085	0,2325	35	14,4282	11,7609	69	26,4196	22,4158	103	23,629101	22,823601	137	12,0058	19,903
2	4,7136	0,7018	36	14,8258	12,0222	70	26,732901	22,7668	104	23,359501	22,5851	138	11,6409	19,9786
3	4,7159	1,2	37	15,2181	12,2854	71	27,031601	23,132	105	23,059099	22,382299	139	11,2847	20,0688
4	4,733	1,6571	38	15,6081	12,5544	72	27,332399	23,498899	106	22,7505	22,1917	140	10,9329	20,1796
5	4,7721	2,1304	39	15,9941	12,8273	73	27,6392	23,861601	107	22,438801	22,0116	141	10,5856	20,2987
6	4,8417	2,6043	40	16,377001	13,1052	74	27,951599	24,217501	108	22,1248	21,835699	142	10,2433	20,4284
7	4,9348	3,0734	41	16,768999	13,3793	75	28,2481	24,5797	109	21,8053	21,658501	143	9,9092	20,5797
8	5,0496	3,5366	42	17,1451	13,6679	76	28,5616	24,931299	110	21,4757	21,492701	144	9,5831	20,746
9	5,1969	3,9908	43	17,5247	13,9545	77	28,882	25,2805	111	21,1387	21,355499	145	9,2656	20,929701
10	5,3649	4,4395	44	17,902901	14,2408	78	29,175699	25,648199	112	20,8169	21,187	146	8,9527	21,122101
11	5,5533	4,8762	45	18,2773	14,532	79	29,4051	26,070999	113	20,482201	21,044201	147	8,6448	21,319
12	5,7716	5,299	46	18,647301	14,8273	80	29,524	26,571699	114	20,145901	20,912201	148	8,3478	21,5317
13	6,0083	5,7156	47	19,012899	15,1296	81	29,7812	25,9527	115	19,806801	20,7854	149	8,0593	21,7549
14	6,2704	6,118	48	19,3769	15,431	82	29,5168	26,031401	116	19,4622	20,666401	150	7,7768	21,982201
15	6,5528	6,5027	49	19,7344	15,7402	83	29,2598	26,0711	117	19,114	20,5553	151	7,5119	22,226101
16	6,8556	6,8697	50	20,0938	16,0457	84	29,006001	26,0774	118	18,7621	20,449499	152	7,2561	22,4932
17	7,1792	7,2184	51	20,4498	16,357401	85	28,752701	26,0576	119	18,4081	20,352301	153	6,9973	22,745501
18	7,5265	7,5596	52	20,799601	16,680799	86	28,500799	26,0105	120	18,055799	20,264799	154	6,7603	23,0226
19	7,8893	7,8729	53	21,153299	16,9963	87	28,2516	25,9517	121	17,704	20,188499	155	6,5269	23,3055
20	8,2676	8,17	54	21,5082	17,3109	88	28,000999	25,8943	122	17,3515	20,121401	156	6,3104	23,600201
21	8,6625	8,444	55	21,8522	17,6364	89	27,749701	25,8169	123	17,0007	20,055201	157	6,1177	23,9072
22	9,0682	8,695	56	22,182699	17,974199	90	27,5016	25,747999	124	16,645399	19,988899	158	5,9222	24,2124
23	9,4876	8,922	57	22,523001	18,3001	91	26,9044	25,699301	125	16,286501	19,9405	159	5,7496	24,5329
24	9,9162	9,1393	58	22,8577	18,634501	92	26,642099	25,441799	126	15,9293	19,8951	160	5,5937	24,8591
25	10,3363	9,3572	59	23,2034	18,9629	93	26,379801	25,189301	127	15,5756	19,860201	161	5,4429	25,185801
26	10,7541	9,5808	60	23,539801	19,2983	94	26,1078	24,945101	128	15,2341	19,838499	162	5,3141	25,5222
27	11,1713	9,8057	61	23,868	19,634501	95	25,8465	24,695299	129	14,8932	19,805799	163	5,1916	25,863001
28	11,5851	10,0344	62	24,192699	19,967199	96	25,5819	24,442801	130	14,5362	19,818199	164	5,0847	26,2078
29	11,9963	10,2659	63	24,5084	20,319599	97	25,336399	24,181299	131	14,1691	19,7866	165	4,9899	26,558599
30	12,41	10,5063	64	24,816601	20,680401	98	25,074499	23,929899	132	13,8158	19,787701	166	4,9138	26,912901
31	12,8247	10,7454	65	25,132601	21,0305	99	24,804199	23,683701	133	13,4532	19,801399	167	4,8519	27,267401
32	13,2259	10,9967	66	25,457899	21,374599	100	24,4951	23,4863	134	13,0923	19,809	168	4,8019	27,6217
33	13,625	11,2469	67	25,792299	21,7134	101	24,2127	23,259501	135	12,7289	19,826599	169	4,7725	27,9559
34	14,0308	11,4981	68	26,1096	22,061501	102	23,9263	23,0355	136	12,3662	19,862499	170	4,7537	28,284

<i>VDI 28 / Step 4 / Sección A / Antes de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0126	-2,8849	41	17,5844	13,9299	81	29,399	25,5271	121	24,4004	23,400299	161	11,809	20,068001
2	-0,0058	-2,1176	42	18,0369	14,267	82	29,635	25,836399	122	24,2262	23,265301	162	11,3256	20,180201
3	-0,0062	-1,314	43	18,487801	14,6096	83	29,867201	26,1451	123	24,0509	23,129499	163	10,8456	20,317699
4	1,2613	0,0432	44	18,9354	14,9545	84	30,093901	26,457899	124	23,872801	22,999201	164	10,3762	20,483801
5	2,1721	0,0445	45	19,379499	15,3048	85	29,826599	26,4638	125	23,692101	22,870001	165	9,9179	20,6735
6	3,0974	0,0439	46	19,8221	15,6611	86	29,437799	26,441299	126	23,5117	22,7425	166	9,4673	20,8927
7	4,7351	0,9328	47	20,278799	16,032801	87	29,2561	26,4279	127	23,3281	22,618	167	9,0309	21,136499
8	4,7437	1,4984	48	20,576	16,284	88	29,150299	26,42	128	23,1406	22,4953	168	8,6105	21,402901
9	4,7812	2,0675	49	20,874599	16,5338	89	29,045	26,409901	129	22,953699	22,375799	169	8,2071	21,692699
10	4,8561	2,632	50	21,1691	16,7894	90	28,941601	26,41	130	22,7654	22,260099	170	7,8203	22,004299
11	4,9657	3,1906	51	21,4631	17,042299	91	28,8367	26,395	131	22,573999	22,146999	171	7,4494	22,3395
12	5,1145	3,7428	52	21,752899	17,3002	92	28,734699	26,384899	132	22,382799	22,0338	172	7,0973	22,697001
13	5,2992	4,2866	53	22,044001	17,5555	93	28,629999	26,374599	133	22,192699	21,9245	173	6,7664	23,0721
14	5,5191	4,8126	54	22,330799	17,816299	94	28,526501	26,3643	134	22	21,821301	174	6,4576	23,4641
15	5,7706	5,3247	55	22,615601	18,0769	95	28,4219	26,358101	135	21,8053	21,721399	175	6,1771	23,874201
16	6,0567	5,8187	56	22,8978	18,3403	96	28,3176	26,3484	136	21,611099	21,6173	176	5,9174	24,2962
17	6,3756	6,2939	57	23,181999	18,608801	97	28,214199	26,3395	137	21,412701	21,5242	177	5,6833	24,733101
18	6,7244	6,7489	58	23,462	18,8762	98	28,109301	26,3326	138	21,213301	21,427099	178	5,4696	25,1849
19	7,1017	7,1795	59	23,7425	19,1455	99	28,0035	26,3237	139	21,011999	21,3347	179	5,2863	25,648701
20	7,5085	7,5805	60	24,0193	19,418699	100	27,899	26,3139	140	20,810499	21,2435	180	5,1268	26,120199
21	7,9421	7,9589	61	24,290701	19,6896	101	27,7936	26,306801	141	20,608	21,1541	181	4,9955	26,5989
22	8,3959	8,3049	62	24,563601	19,962	102	27,6873	26,2953	142	20,403601	21,071699	182	4,89	27,082199
23	8,8692	8,6194	63	24,8354	20,2384	103	27,584499	26,287001	143	20,198999	20,9911	183	4,817	27,5723
24	9,3649	8,9029	64	25,1073	20,518101	104	27,4792	26,2789	144	19,9916	20,9118	184	4,7661	28,063601
25	9,875	9,1629	65	25,377501	20,798901	105	26,9161	25,8689	145	19,619101	20,774799	185	3,5805	28,605
26	10,3755	9,4247	66	25,643101	21,084999	106	26,7743	25,7019	146	19,1474	20,620899	186	2,4516	28,605801
27	10,8748	9,6908	67	25,906	21,3692	107	26,629801	25,5354	147	18,669201	20,4783	187	1,3286	28,605301
28	11,3715	9,9627	68	26,1693	21,654499	108	26,4825	25,3706	148	18,186501	20,3536	188	-0,0069	29,837999
29	11,8668	10,2397	69	26,430599	21,942301	109	26,335899	25,205601	149	17,7024	20,2407	189	-0,0073	30,396999
30	12,3609	10,5214	70	26,688801	22,2335	110	26,184	25,0422	150	17,2171	20,1425	190	-0,0048	31,004801
31	12,8515	10,8086	71	26,9457	22,5245	111	26,0319	24,8808	151	16,7264	20,063			
32	13,3367	11,098	72	27,200399	22,816799	112	25,8762	24,722	152	16,226999	19,997			
33	13,8188	11,3955	73	27,4519	23,111099	113	25,7187	24,5637	153	15,7295	19,943701			
34	14,3029	11,6991	74	27,7036	23,407	114	25,5604	24,4097	154	15,2324	19,9074			
35	14,7832	12,0032	75	27,9503	23,705099	115	25,398399	24,2579	155	14,7522	19,885799			
36	15,2533	12,311	76	28,196899	24,003901	116	25,238899	24,1101	156	14,2805	19,8787			
37	15,7232	12,624	77	28,4424	24,3032	117	25,0739	23,962601	157	13,7924	19,885799			
38	16,1896	12,94	78	28,682301	24,606701	118	24,908899	23,8207	158	13,2984	19,899599			
39	16,6581	13,2653	79	28,924299	24,912701	119	24,7428	23,676201	159	12,8022	19,927099			
40	17,123501	13,5969	80	29,162201	25,218399	120	24,5709	23,536501	160	12,3032	19,984501			

<i>VDI 28 / Step 4 / Sección A / Después de la erosión / Z= -3,55 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7387	0,6785	33	12,0458	10,5264	65	21,5156	19,192699	97	20,9974	21,105301	129	10,6933	19,5728
2	4,7397	1,0813	34	12,3853	10,7415	66	21,771	19,496799	98	20,700899	20,964701	130	10,3471	19,651699
3	4,7471	1,4892	35	12,7237	10,9632	67	22,023399	19,8018	99	20,402599	20,829	131	10,0109	19,753401
4	4,7714	1,8958	36	13,0591	11,1908	68	22,277201	20,108801	100	20,0956	20,715401	132	9,6786	19,8759
5	4,8119	2,3037	37	13,3908	11,4238	69	22,5287	20,423599	101	19,7932	20,5912	133	9,3539	20,020901
6	4,8769	2,7059	38	13,7157	11,6675	70	22,778	20,732401	102	19,483101	20,485001	134	9,0388	20,1807
7	4,9606	3,1047	39	14,0447	11,8959	71	23,013201	21,046499	103	19,175501	20,373699	135	8,737	20,3671
8	5,0532	3,5008	40	14,3691	12,1364	72	23,2498	21,3612	104	18,859301	20,2742	136	8,4498	20,567101
9	5,1602	3,8969	41	14,6802	12,3923	73	23,4725	21,692801	105	18,548599	20,177	137	8,1706	20,784
10	5,232	4,3089	42	15,001	12,6368	74	23,697901	22,0172	106	18,232401	20,089001	138	7,9118	21,025
11	5,3672	4,7031	43	15,309	12,8974	75	23,9119	22,353901	107	17,915501	20,007401	139	7,6519	21,263901
12	5,5252	5,0882	44	15,624	13,158	76	24,1332	22,6824	108	17,598801	19,927	140	7,4062	21,508801
13	5,704	5,4615	45	15,9331	13,422	77	24,3554	23,013399	109	17,281601	19,8472	141	7,1736	21,767799
14	5,8946	5,8312	46	16,2377	13,6892	78	24,562799	23,3535	110	16,9639	19,777901	142	6,9566	22,038799
15	6,1095	6,1859	47	16,5396	13,9587	79	24,695601	23,756399	111	16,646299	19,715099	143	6,7475	22,3207
16	6,3482	6,527	48	16,8367	14,2323	80	24,7069	24,262501	112	16,3265	19,6604	144	6,5536	22,609301
17	6,6157	6,8484	49	17,133101	14,5043	81	25,805099	23,4491	113	16,0056	19,605101	145	6,3736	22,8971
18	6,9081	7,146	50	17,429899	14,7735	82	25,317801	23,483601	114	15,6823	19,561899	146	6,2041	23,190599
19	7,2074	7,4347	51	17,7272	15,0444	83	24,934401	23,419001	115	15,3672	19,518801	147	6,0409	23,486601
20	7,5315	7,7124	52	18,020201	15,3203	84	24,610399	23,2943	116	15,0678	19,4883	148	5,8881	23,7847
21	7,8543	7,9789	53	18,3088	15,6071	85	24,3288	23,125799	117	14,7531	19,4562	149	5,7382	24,0821
22	8,1849	8,2281	54	18,599001	15,8865	86	24,071899	22,9254	118	14,419	19,426901	150	5,6062	24,3871
23	8,5266	8,462	55	18,8806	16,1702	87	23,8078	22,734699	119	14,0904	19,4011	151	5,4915	24,7005
24	8,8726	8,6882	56	19,152901	16,4648	88	23,5501	22,5373	120	13,758	19,384399	152	5,3903	25,015301
25	9,2302	8,8955	57	19,4266	16,754601	89	23,2777	22,356899	121	13,4244	19,375401	153	5,2879	25,3277
26	9,5853	9,095	58	19,694099	17,055	90	23,003401	22,1819	122	13,0908	19,360201	154	5,2286	25,6542
27	9,9417	9,2847	59	19,963499	17,353901	91	22,7267	22,0089	123	12,7562	19,368	155	5,1691	25,975901
28	10,2972	9,4829	60	20,225401	17,6639	92	22,443199	21,8458	124	12,4225	19,385	156	5,0843	26,285
29	10,6542	9,6754	61	20,491301	17,9645	93	22,156601	21,6896	125	12,0822	19,383801	157	5,0022	26,593901
30	11,0032	9,8822	62	20,7521	18,27	94	21,871099	21,5312	126	11,7402	19,417	158	4,9316	26,908001
31	11,3525	10,0926	63	21,0054	18,582001	95	21,5818	21,389299	127	11,3966	19,468	159	4,8745	27,221701
32	11,7036	10,3048	64	21,264799	18,885099	96	21,2918	21,2407	128	11,0457	19,5173	160	4,828	27,5375

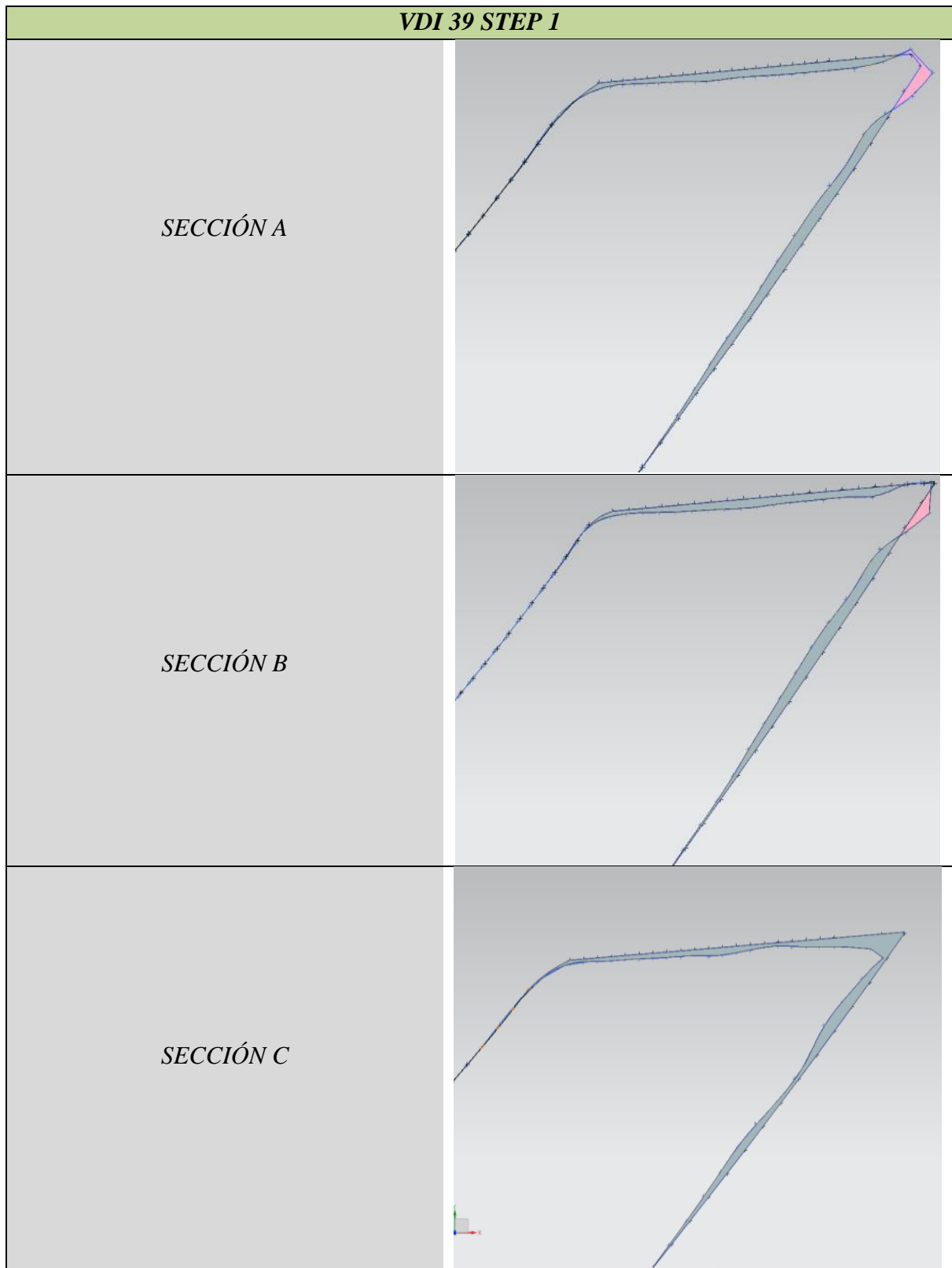
<i>VDI 28 / Step 4 / Sección B / Antes de la erosión / Z= -2,35 mm constante</i>															
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	
1	-0,0065	-2,7956	41	18,7691	14,809	81	29,309799	25,392099	121	23,750099	22,8969	161	10,6255	20,3783	
2	-0,003	-1,8639	42	19,248501	15,1849	82	29,5135	25,660101	122	23,525299	22,7374	162	10,2118	20,5354	
3	-0,0037	-0,8919	43	19,727301	15,567	83	29,715401	25,924999	123	23,2967	22,5821	163	9,8051	20,7124	
4	1,1271	0,0293	44	20,197901	15,9533	84	29,9154	26,192801	124	23,063801	22,431601	164	9,407	20,9123	
5	2,2673	0,0311	45	20,6695	16,346001	85	30,0965	26,4723	125	22,8312	22,2845	165	9,0202	21,1299	
6	3,4191	0,0318	46	21,137899	16,739901	86	29,8582	26,450399	126	22,5944	22,1422	166	8,6461	21,3654	
7	4,7366	0,9406	47	21,549101	17,1021	87	29,494101	26,431299	127	22,356701	22,003099	167	8,2893	21,6194	
8	4,7464	1,5467	48	21,798901	17,3234	88	29,367001	26,42	128	22,1206	21,8696	168	7,9394	21,8909	
9	4,7931	2,1578	49	22,0483	17,5445	89	29,2446	26,4132	129	21,8778	21,7428	169	7,6048	22,181299	
10	4,8841	2,7648	50	22,2971	17,770599	90	29,122101	26,402201	130	21,636801	21,6159	170	7,2856	22,4888	
11	5,0125	3,3646	51	22,5431	17,994101	91	28,9974	26,3916	131	21,390699	21,4965	171	6,9809	22,813	
12	5,1882	3,9538	52	22,7883	18,2227	92	28,8766	26,3818	132	21,142099	21,378901	172	6,6939	23,150299	
13	5,4039	4,5297	53	23,0333	18,450199	93	28,754299	26,372601	133	20,891701	21,262501	173	6,4243	23,5019	
14	5,6575	5,0868	54	23,277	18,6824	94	28,631399	26,361401	134	20,640301	21,1523	174	6,1756	23,865801	
15	5,9487	5,6257	55	23,5184	18,9135	95	28,509199	26,350901	135	20,3867	21,049101	175	5,9446	24,240101	
16	6,2795	6,1438	56	23,758499	19,144699	96	28,3855	26,3414	136	20,1306	20,949699	176	5,7337	24,6252	
17	6,6482	6,6386	57	23,998199	19,381701	97	28,262199	26,330999	137	19,8736	20,852301	177	5,5397	25,021601	
18	7,0478	7,1043	58	24,235001	19,6168	98	28,1404	26,3207	138	19,615101	20,7596	178	5,3645	25,4279	
19	7,4814	7,5396	59	24,467501	19,849501	99	28,0161	26,3104	139	19,354	20,672199	179	5,2133	25,8437	
20	7,9448	7,9466	60	24,7027	20,0865	100	27,891899	26,3008	140	19,094801	20,5877	180	5,0835	26,262899	
21	8,4351	8,3167	61	24,936501	20,326	101	27,768999	26,2894	141	18,8312	20,509701	181	4,9723	26,6894	
22	8,9458	8,6503	62	25,1703	20,5665	102	27,6439	26,277	142	18,5651	20,436501	182	4,8846	27,119101	
23	9,4831	8,9516	63	25,402	20,810499	103	27,5207	26,2682	143	18,299299	20,3652	183	4,8196	27,552999	
24	10,0314	9,2296	64	25,632	21,056299	104	27,3986	26,257601	144	18,0329	20,298599	184	4,7742	27,9886	
25	10,5688	9,514	65	25,860399	21,300699	105	26,944201	25,8859	145	17,580299	20,1998	185	4,0868	28,589899	
26	11,1073	9,8028	66	26,087601	21,547199	106	26,766899	25,6777	146	17,150299	20,117001	186	2,6034	28,591801	
27	11,64	10,0962	67	26,311899	21,795799	107	26,586599	25,471201	147	16,7152	20,0473	187	1,1218	28,5928	
28	12,1722	10,3989	68	26,5345	22,044701	108	26,4041	25,266199	148	16,273399	19,987101	188	0,0027	29,3927	
29	12,7027	10,7059	69	26,7598	22,295601	109	26,2213	25,0592	149	15,83	19,9384	189	-0,0032	30,3395	
30	13,2274	11,0168	70	26,979799	22,546499	110	26,027901	24,8617	150	15,3913	19,904699	190	-0,0021	31,331699	
31	13,7473	11,3352	71	27,1989	22,799101	111	25,8351	24,663601	151	14,9477	19,879101				
32	14,2677	11,6615	72	27,4165	23,052401	112	25,6397	24,471201	152	14,5276	19,866199				
33	14,7848	11,9896	73	27,633801	23,306999	113	25,4415	24,2813	153	14,1084	19,867201				
34	15,2944	12,3239	74	27,846901	23,562799	114	25,2407	24,0954	154	13,6723	19,876699				
35	15,7992	12,6615	75	28,060801	23,819	115	25,0368	23,914499	155	13,2335	19,888901				
36	16,3025	13,0025	76	28,2733	24,078899	116	24,8295	23,7353	156	12,7917	19,9156				
37	16,8053	13,3556	77	28,483	24,337299	117	24,620501	23,562	157	12,3463	19,965401				
38	17,304399	13,7118	78	28,692499	24,5982	118	24,4074	23,391701	158	11,9071	20,0357				
39	17,8002	14,0722	79	28,8974	24,863501	119	24,190599	23,2211	159	11,4731	20,127899				
40	18,2859	14,439	80	29,103901	25,1262	120	23,972799	23,0574	160	11,0468	20,243				

<i>VDI 28 / Step 4 / Sección B / Después de la erosión / Z= -2,35 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7348	0,5774	33	11,9624	10,4384	65	21,474501	19,0774	97	20,7089	20,9583	129	10,1281	19,714199
2	4,737	0,9812	34	12,3022	10,6588	66	21,7271	19,3859	98	20,399401	20,8316	130	9,7913	19,841499
3	4,7433	1,386	35	12,6379	10,8847	67	21,9886	19,682301	99	20,0868	20,7124	131	9,4628	19,9916
4	4,7613	1,7943	36	12,9714	11,1172	68	22,239599	19,991199	100	19,780001	20,583	132	9,1391	20,150999
5	4,8003	2,1992	37	13,2964	11,3568	69	22,487499	20,305599	101	19,466299	20,4666	133	8,8315	20,3382
6	4,8577	2,6053	38	13,625	11,5934	70	22,736	20,620399	102	19,1315	20,4048	134	8,5369	20,542299
7	4,9322	3,0046	39	13,9543	11,8259	71	22,974899	20,9333	103	18,823299	20,2712	135	8,2479	20,7502
8	5,0261	3,3993	40	14,2784	12,0654	72	23,215	21,245399	104	18,5089	20,1597	136	7,9689	20,9778
9	5,1358	3,7919	41	14,5995	12,311	73	23,432199	21,581499	105	18,186899	20,065701	137	7,7083	21,222099
10	5,211	4,2025	42	14,9113	12,5654	74	23,6576	21,9086	106	17,862801	19,9823	138	7,4591	21,478399
11	5,3291	4,5998	43	15,2272	12,8156	75	23,868299	22,250299	107	17,541201	19,900101	139	7,2196	21,7383
12	5,4868	4,9837	44	15,5356	13,0842	76	24,0889	22,5776	108	17,215099	19,833799	140	6,9939	22,009399
13	5,6542	5,3628	45	15,8511	13,3443	77	24,3228	22,897301	109	16,892599	19,758101	141	6,7703	22,2873
14	5,8497	5,7257	46	16,158501	13,6071	78	24,558599	23,214701	110	16,5662	19,7013	142	6,571	22,5783
15	6,0561	6,0849	47	16,458099	13,8784	79	24,752399	23,566099	111	16,241699	19,6364	143	6,387	22,874701
16	6,2868	6,4296	48	16,7612	14,1443	80	24,852699	23,995199	112	15,9114	19,607	144	6,2156	23,172899
17	6,5445	6,759	49	17,067801	14,4051	81	25,3438	23,6334	113	15,5835	19,5492	145	6,053	23,4778
18	6,8297	7,0635	50	17,3652	14,6737	82	25,004	23,5056	114	15,2637	19,504101	146	5,8971	23,781099
19	7,1309	7,3489	51	17,6576	14,9496	83	24,684799	23,3645	115	14,957	19,4697	147	5,759	24,092899
20	7,4471	7,6335	52	17,9548	15,2227	84	24,402	23,1849	116	14,6196	19,4324	148	5,6136	24,397699
21	7,7705	7,8971	53	18,247499	15,5025	85	24,1436	22,9744	117	14,2853	19,411501	149	5,4941	24,7148
22	8,095	8,1497	54	18,539101	15,7827	86	23,873699	22,785299	118	13,9477	19,3885	150	5,3815	25,0308
23	8,4313	8,3908	55	18,8218	16,0681	87	23,609699	22,581499	119	13,6099	19,3734	151	5,2832	25,3524
24	8,7781	8,617	56	19,0987	16,3568	88	23,333799	22,3936	120	13,2708	19,3556	152	5,2241	25,684799
25	9,1328	8,8271	57	19,369801	16,6521	89	23,052601	22,2145	121	12,9276	19,352301	153	5,156	26,0075
26	9,4891	9,0285	58	19,634399	16,954	90	22,7679	22,0445	122	12,5831	19,344999	154	5,0688	26,323601
27	9,8455	9,2234	59	19,9063	17,249399	91	22,486401	21,8661	123	12,2396	19,3601	155	4,9891	26,641199
28	10,2037	9,4117	60	20,172701	17,5532	92	22,1973	21,698	124	11,8941	19,389	156	4,9225	26,961599
29	10,5577	9,6115	61	20,4347	17,860901	93	21,9067	21,532801	125	11,5432	19,429501	157	4,864	27,281099
30	10,9095	9,8129	62	20,698099	18,1653	94	21,611601	21,3822	126	11,1811	19,4536	158	4,8174	27,603001
31	11,2627	10,0173	63	20,9583	18,4723	95	21,312901	21,2397	127	10,8233	19,5257	159	4,7845	27,9139
32	11,6127	10,2302	64	21,216801	18,776899	96	21,013901	21,094101	128	10,4749	19,615801	160	4,7648	28,2034

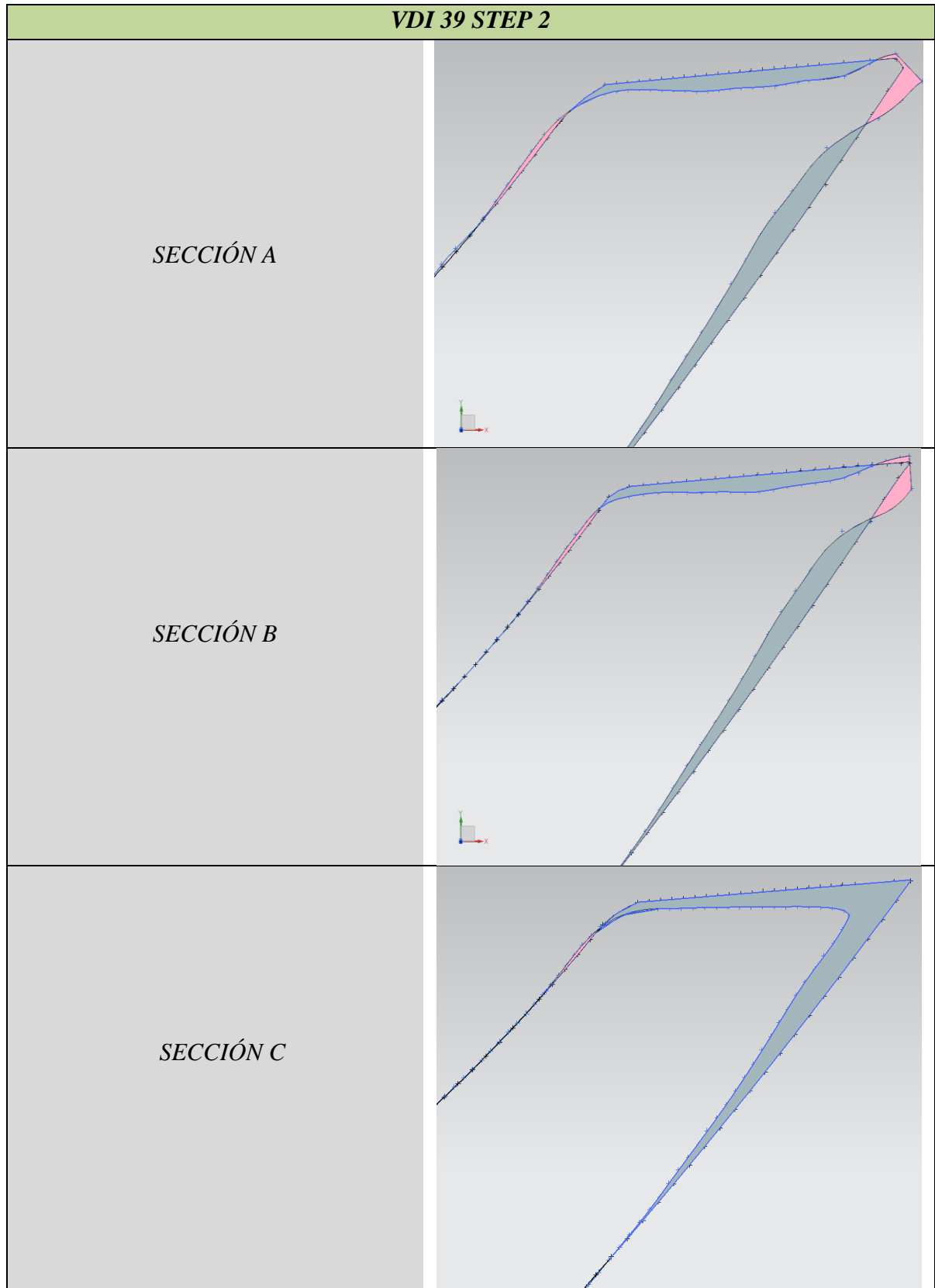
VDI 28 / Step 4 / Sección C / Antes de la erosión / Z= -1,15 mm constante														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	-0,0127	-3,0116	41	17,7521	14,0236	81	28,8179	24,746099	121	24,001301	23,061701	161	11,4096	20,1315
2	-0,0026	-2,1315	42	18,214899	14,3714	82	29,0425	25,0303	122	23,760599	22,8899	162	11,0299	20,235901
3	-0,0043	-1,2091	43	18,6758	14,7212	83	29,2661	25,318701	123	23,52	22,7169	163	10,6564	20,356899
4	0,9207	0,0162	44	19,1297	15,0785	84	29,488701	25,6091	124	23,2729	22,5508	164	10,2853	20,4939
5	2,1423	0,0197	45	19,5844	15,4384	85	29,7068	25,8976	125	23,024799	22,391899	165	9,9242	20,6476
6	3,3767	0,018	46	20,035299	15,8042	86	29,923401	26,188801	126	22,773899	22,2351	166	9,5651	20,817801
7	4,7393	0,7054	47	20,202999	15,9402	87	30,025	26,4389	127	22,519199	22,0825	167	9,2143	21,004499
8	4,7415	1,2837	48	20,481701	16,173201	88	29,8776	26,4382	128	22,266701	21,937099	168	8,8766	21,2047
9	4,7701	1,862	49	20,7603	16,408001	89	29,736401	26,431499	129	22,009399	21,796801	169	8,5494	21,4212
10	4,8322	2,438	50	21,038799	16,643999	90	29,5944	26,4249	130	21,7507	21,6598	170	8,2338	21,649099
11	4,9358	3,0115	51	21,313299	16,8815	91	29,453501	26,4142	131	21,4886	21,5296	171	7,9231	21,892799
12	5,0762	3,5752	52	21,5854	17,1187	92	29,3102	26,4021	132	21,2222	21,4013	172	7,6253	22,151699
13	5,2557	4,1326	53	21,8568	17,3582	93	29,170099	26,3918	133	20,955299	21,2792	173	7,3398	22,424601
14	5,4724	4,6739	54	22,126301	17,6012	94	29,026899	26,380199	134	20,684601	21,157301	174	7,0659	22,7094
15	5,7218	5,1973	55	22,395	17,8463	95	28,887199	26,369301	135	20,413601	21,045401	175	6,8038	23,006399
16	6,0076	5,7036	56	22,662901	18,0905	96	28,744699	26,357	136	20,1397	20,937901	176	6,5571	23,3116
17	6,325	6,1904	57	22,9286	18,335899	97	28,602699	26,3459	137	19,864599	20,8344	177	6,3287	23,630699
18	6,6763	6,6588	58	23,1933	18,585899	98	28,461	26,3326	138	19,587	20,736799	178	6,111	23,9562
19	7,058	7,0977	59	23,4573	18,8381	99	28,318701	26,320801	139	19,3074	20,6429	179	5,9107	24,2924
20	7,4671	7,5114	60	23,717199	19,090599	100	28,1758	26,310301	140	19,0268	20,5539	180	5,724	24,6353
21	7,9053	7,8983	61	23,9785	19,3449	101	28,0338	26,297199	141	18,7439	20,4701	181	5,5516	24,9872
22	8,3665	8,256	62	24,2346	19,6014	102	27,8911	26,285101	142	18,459	20,3925	182	5,3947	25,3505
23	8,8485	8,5782	63	24,4867	19,854401	103	27,7474	26,273701	143	18,1717	20,3209	183	5,2541	25,716499
24	9,3535	8,8681	64	24,741899	20,1113	104	27,603901	26,26	144	17,884399	20,254299	184	5,1327	26,09
25	9,8744	9,1341	65	24,996201	20,370701	105	27,4627	26,2505	145	17,598101	20,189501	185	5,0274	26,4662
26	10,3876	9,405	66	25,248899	20,633301	106	27,321199	26,2367	146	17,3104	20,1336	186	4,9378	26,845501
27	10,8973	9,6759	67	25,500999	20,8993	107	26,9678	25,9018	147	16,85	20,052999	187	4,0156	28,577999
28	11,4059	9,9526	68	25,747299	21,165199	108	26,7796	25,6763	148	16,4613	19,9967	188	2,7212	28,5788
29	11,9094	10,2364	69	25,9944	21,4333	109	26,587	25,4534	149	16,0683	19,949301	189	1,4267	28,5804
30	12,4153	10,5249	70	26,239	21,7012	110	26,390699	25,233999	150	15,6769	19,9105	190	0,0037	29,465099
31	12,9186	10,8187	71	26,4837	21,970699	111	26,1905	25,0168	151	15,2841	19,882	191	0	30,371901
32	13,4117	11,1158	72	26,7251	22,243299	112	25,985201	24,8016	152	14,8893	19,862301	192	-0,0001	31,3195
33	13,9072	11,4214	73	26,965401	22,5151	113	25,7789	24,5893	153	14,516	19,853201			
34	14,4012	11,7304	74	27,202999	22,7889	114	25,567301	24,385599	154	14,1438	19,851299			
35	14,8909	12,0437	75	27,439699	23,063299	115	25,3538	24,182501	155	13,7619	19,858999			
36	15,3737	12,3602	76	27,674299	23,3393	116	25,135401	23,985901	156	13,3676	19,869699			
37	15,8527	12,6828	77	27,905899	23,617399	117	24,9149	23,794901	157	12,9745	19,8873			
38	16,3291	13,0093	78	28,1385	23,896099	118	24,6917	23,6042	158	12,5786	19,922701			
39	16,808001	13,3432	79	28,366301	24,179199	119	24,465401	23,4202	159	12,1832	19,9737			
40	17,2826	13,6816	80	28,594299	24,4592	120	24,2342	23,239901	160	11,7939	20,044399			

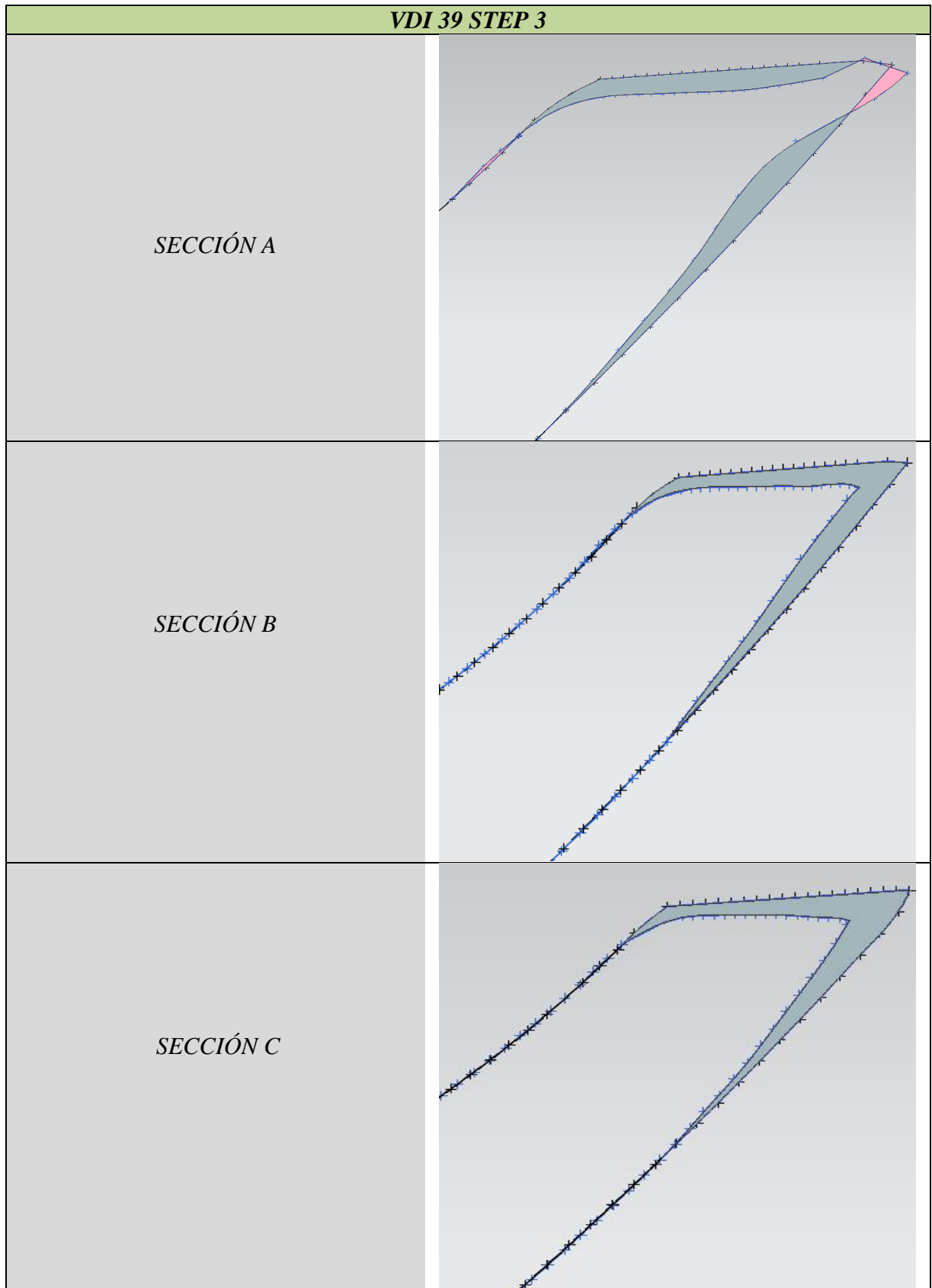
<i>VDI 28 / Step 4 / Sección C / Después de la erosión / Z= -1,15 mm constante</i>														
Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y	Punto	X	Y
1	4,7331	0,6652	33	12,0102	10,4531	65	21,4928	19,0397	97	20,7535	20,9956	129	9,978	19,807899
2	4,7339	1,0639	34	12,3522	10,6648	66	21,738899	19,351299	98	20,443899	20,854401	130	9,643	19,952801
3	4,7417	1,4717	35	12,6882	10,8894	67	21,996401	19,6497	99	20,1238	20,7339	131	9,3174	20,1213
4	4,768	1,8775	36	13,0223	11,1178	68	22,254	19,9499	100	19,805401	20,609699	132	8,9876	20,281
5	4,809	2,2823	37	13,3537	11,3455	69	22,502899	20,2589	101	19,4893	20,4814	133	8,6739	20,470699
6	4,8709	2,6849	38	13,6787	11,578	70	22,7369	20,583401	102	19,1672	20,3664	134	8,377	20,683001
7	4,9505	3,0842	39	13,9998	11,8215	71	22,972401	20,903601	103	18,8421	20,262199	135	8,1002	20,921
8	5,0517	3,4757	40	14,3233	12,0609	72	23,2026	21,222401	104	18,515499	20,1609	136	7,8296	21,163799
9	5,1561	3,8684	41	14,6429	12,3035	73	23,417801	21,5576	105	18,184999	20,0763	137	7,5686	21,4151
10	5,2436	4,2708	42	14,9561	12,5527	74	23,6429	21,8829	106	17,854401	19,996599	138	7,3243	21,678801
11	5,3801	4,6614	43	15,2721	12,7999	75	23,853701	22,219299	107	17,5278	19,901501	139	7,0866	21,9498
12	5,5366	5,0455	44	15,587	13,0576	76	24,0681	22,553301	108	17,1978	19,8248	140	6,8548	22,226999
13	5,7065	5,4183	45	15,9019	13,3126	77	24,298901	22,873301	109	16,864401	19,758101	141	6,6393	22,513399
14	5,8984	5,783	46	16,210501	13,5739	78	24,552	23,1696	110	16,5341	19,691299	142	6,4458	22,810499
15	6,1117	6,1362	47	16,512699	13,8406	79	24,747601	23,5175	111	16,2017	19,638399	143	6,2703	23,118299
16	6,3462	6,4781	48	16,8099	14,1104	80	24,860399	23,934601	112	15,8647	19,5991	144	6,104	23,428801
17	6,6094	6,8006	49	17,108999	14,3768	81	25,613199	23,5875	113	15,5293	19,5427	145	5,9423	23,7362
18	6,8917	7,1038	50	17,402201	14,6467	82	25,193899	23,534	114	15,2095	19,511999	146	5,7731	24,0375
19	7,1951	7,3857	51	17,687799	14,9309	83	24,839001	23,4147	115	14,8947	19,4648	147	5,6418	24,356501
20	7,5141	7,6649	52	17,9862	15,2012	84	24,5299	23,2549	116	14,5487	19,424601	148	5,5231	24,6826
21	7,8313	7,927	53	18,275999	15,4811	85	24,254499	23,057501	117	14,2058	19,3967	149	5,4072	25,008101
22	8,1617	8,1758	54	18,559401	15,767	86	23,975401	22,863199	118	13,8611	19,385	150	5,3027	25,334
23	8,4951	8,4158	55	18,8475	16,0459	87	23,699699	22,665501	119	13,5168	19,3729	151	5,2286	25,6672
24	8,8439	8,637	56	19,123501	16,334299	88	23,4244	22,469601	120	13,1711	19,371201	152	5,155	25,9972
25	9,1996	8,8414	57	19,3862	16,6348	89	23,1427	22,276699	121	12,8194	19,3605	153	5,0704	26,320601
26	9,5521	9,0434	58	19,657499	16,927299	90	22,852699	22,0958	122	12,467	19,357201	154	4,9796	26,644899
27	9,9023	9,2461	59	19,921499	17,230301	91	22,560801	21,9244	123	12,1145	19,373501	155	4,9101	26,969999
28	10,2608	9,4328	60	20,189899	17,5257	92	22,2691	21,753	124	11,7606	19,4006	156	4,8536	27,3001
29	10,6178	9,6205	61	20,4576	17,823601	93	21,974199	21,5828	125	11,4029	19,448601	157	4,8103	27,629999
30	10,9684	9,818	62	20,713499	18,1387	94	21,6712	21,429501	126	11,0436	19,5184	158	4,7862	27,943199
31	11,3172	10,0277	63	20,9757	18,438601	95	21,370899	21,276699	127	10,6796	19,593399	159	4,7707	28,2449
32	11,6669	10,2398	64	21,2355	18,738199	96	21,0648	21,132601	128	10,327	19,694901	160	4,75	28,5434

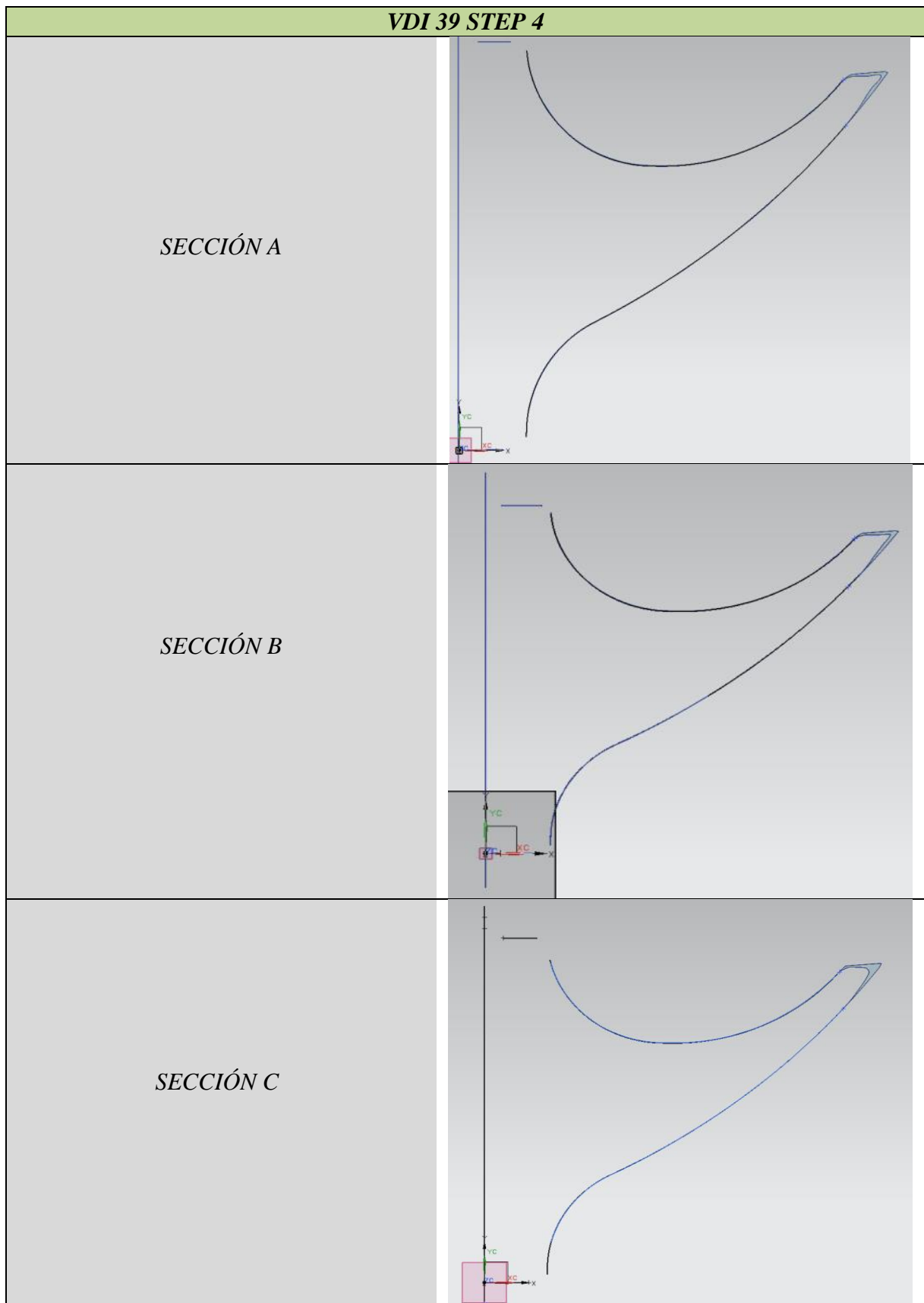
5.4.1.2. REPRESENTACIÓN Y SUPERPOSICIÓN DE LAS MEDICIONES

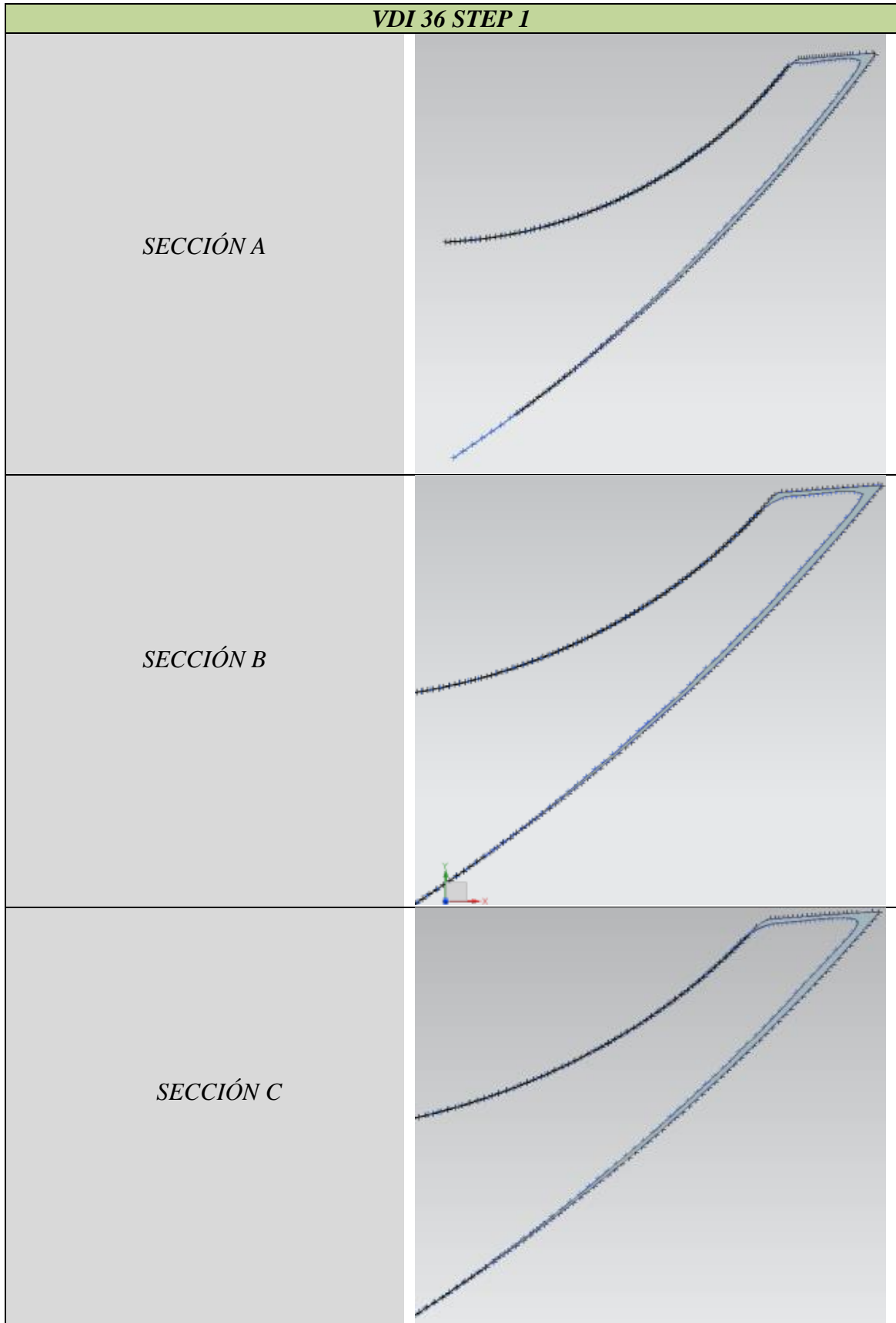


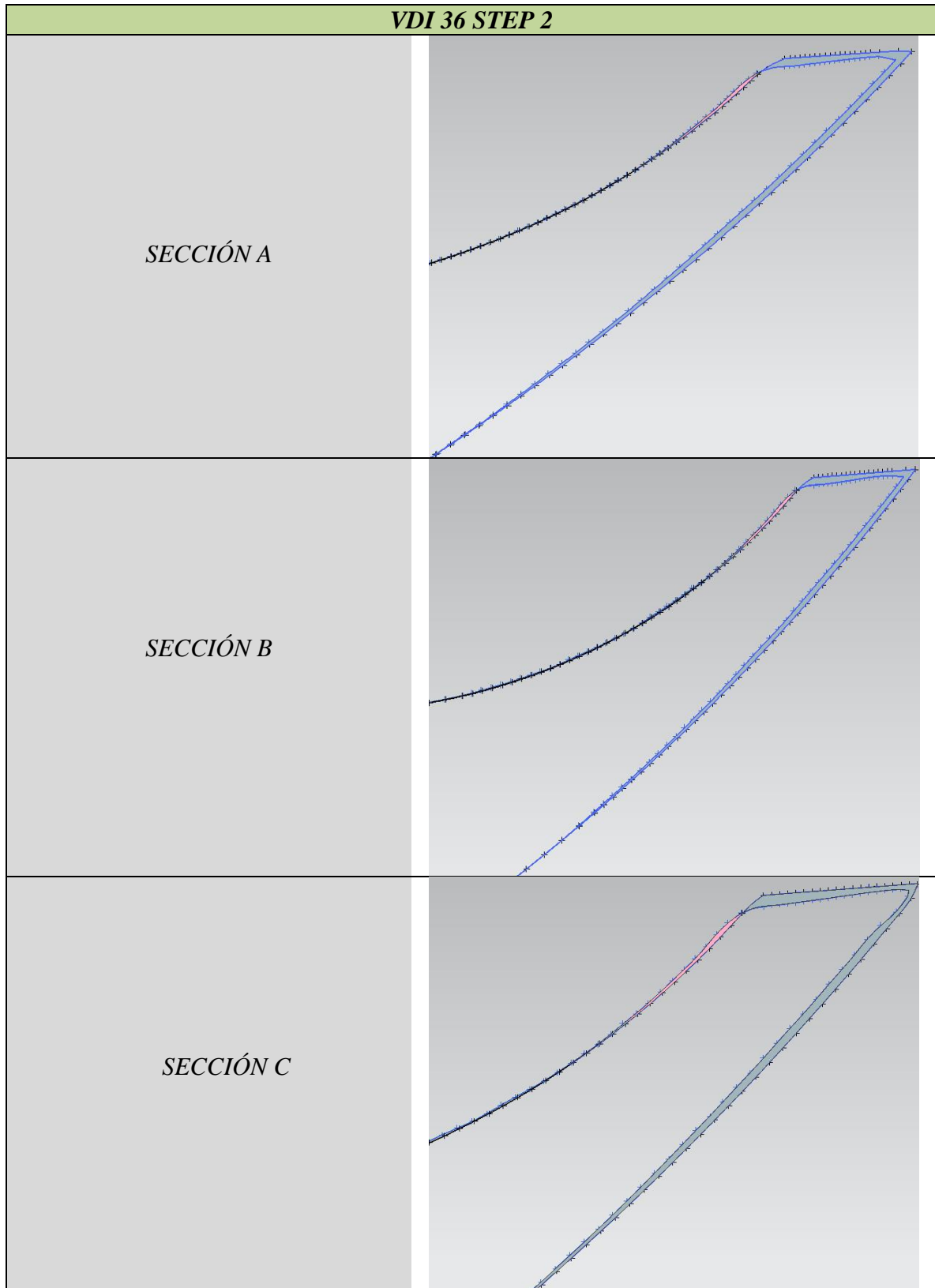


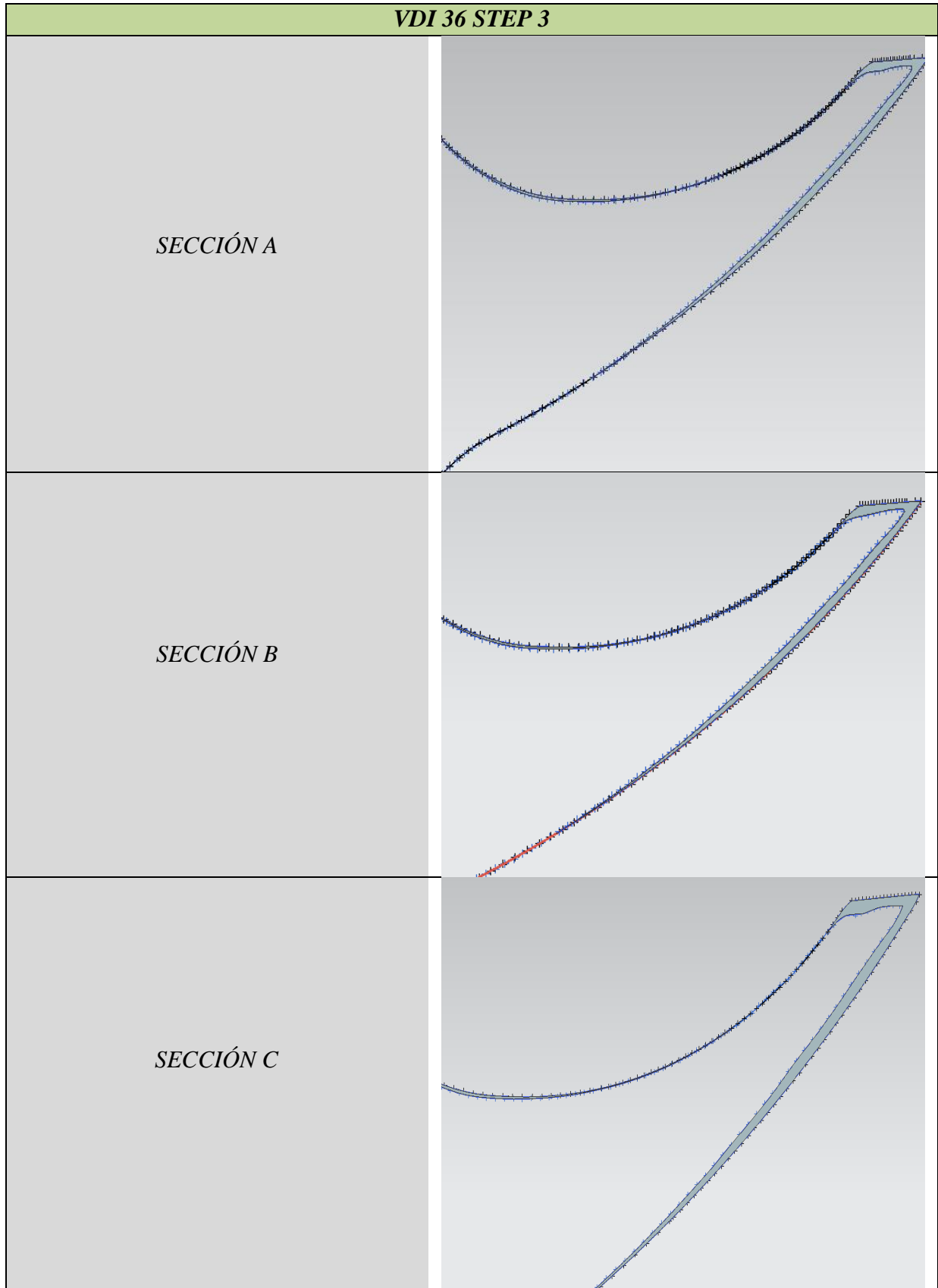


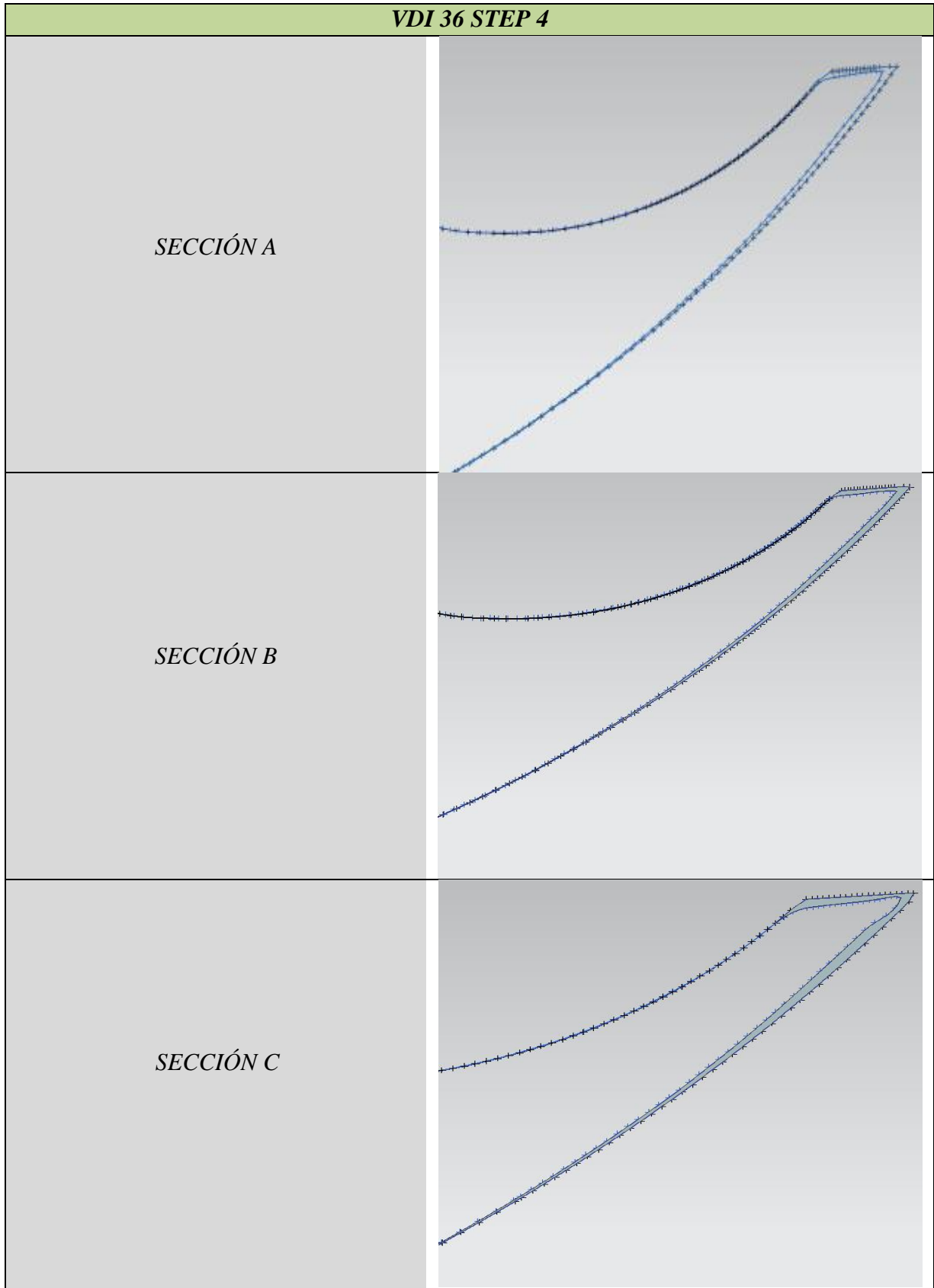


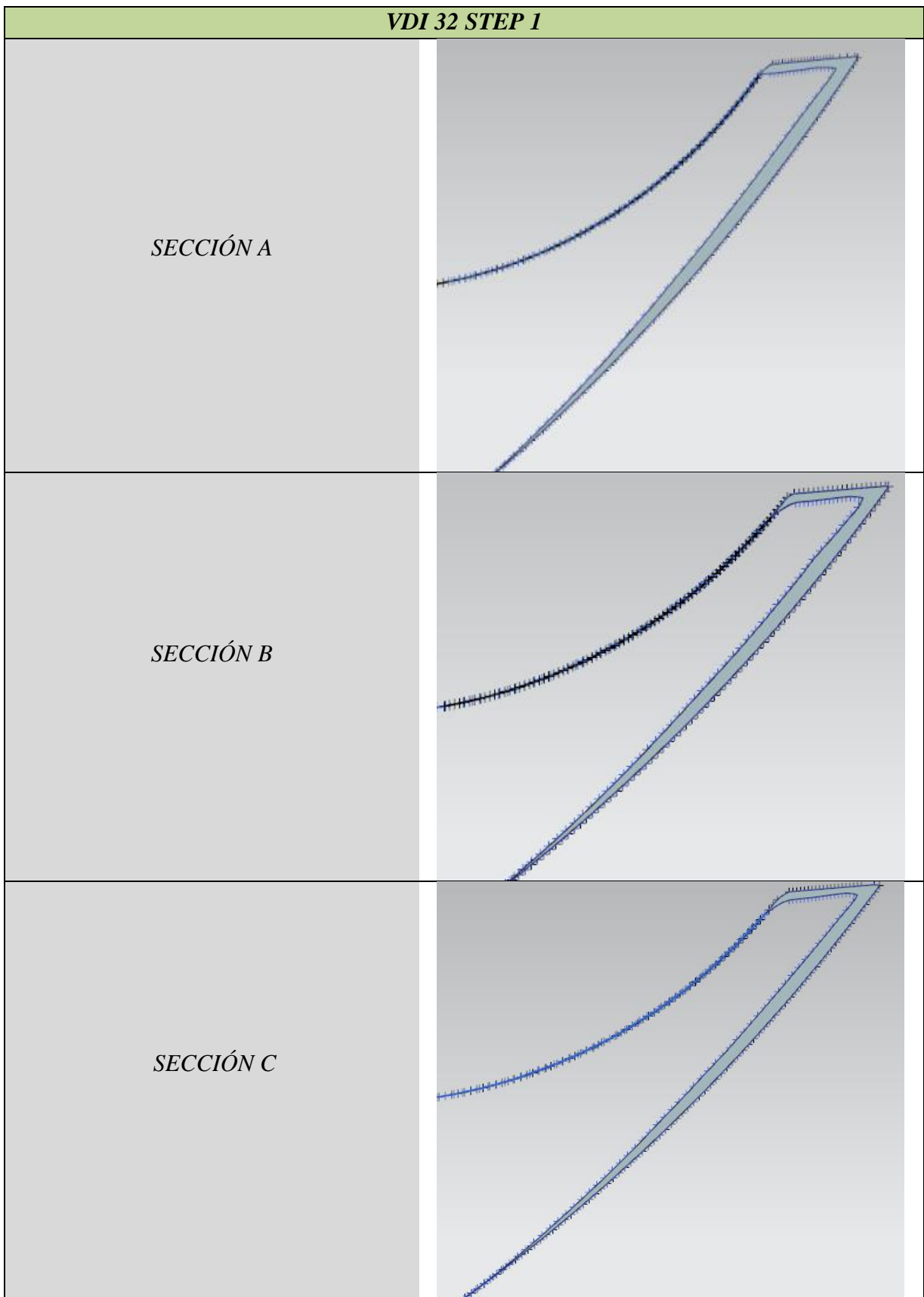




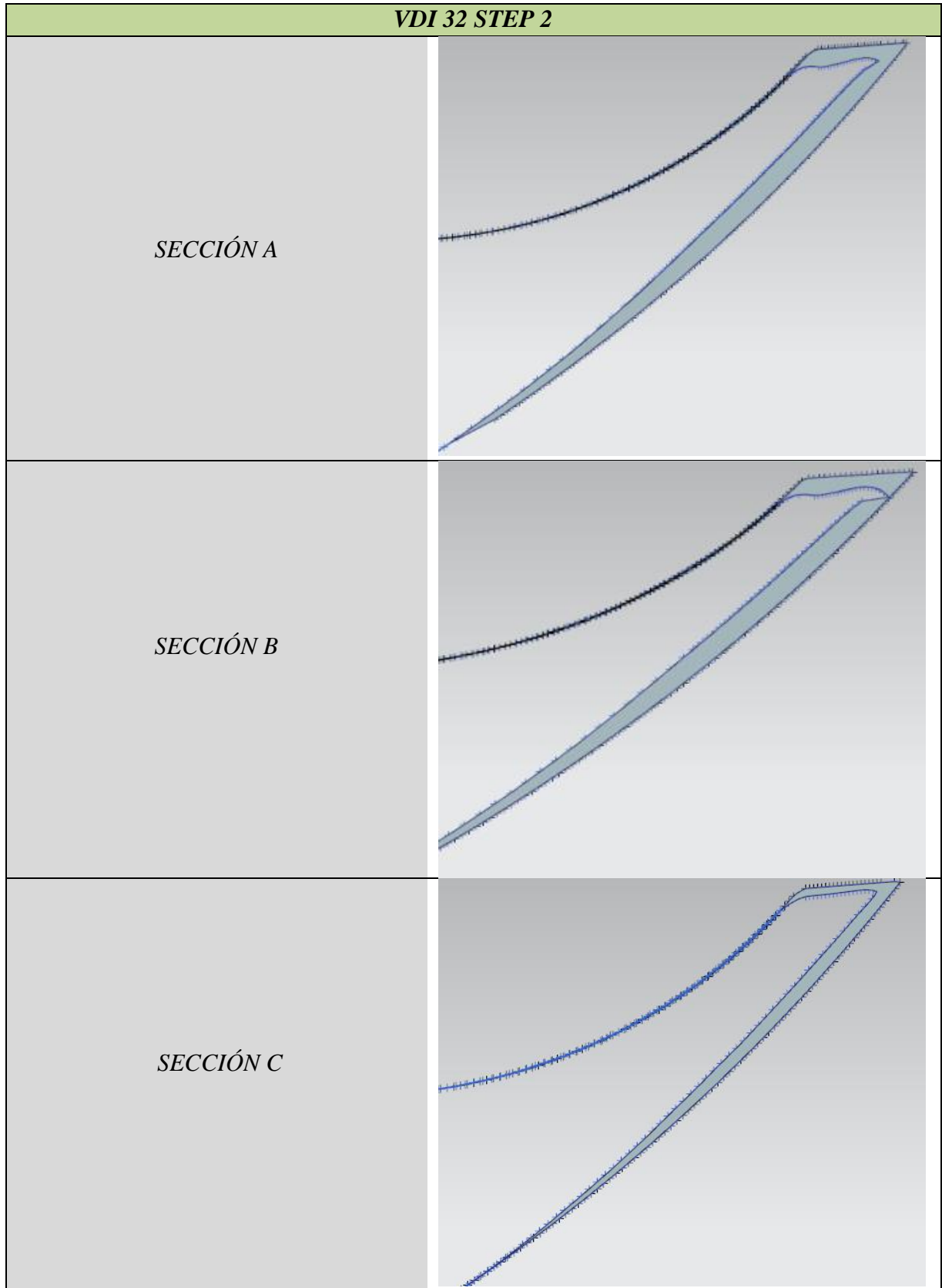


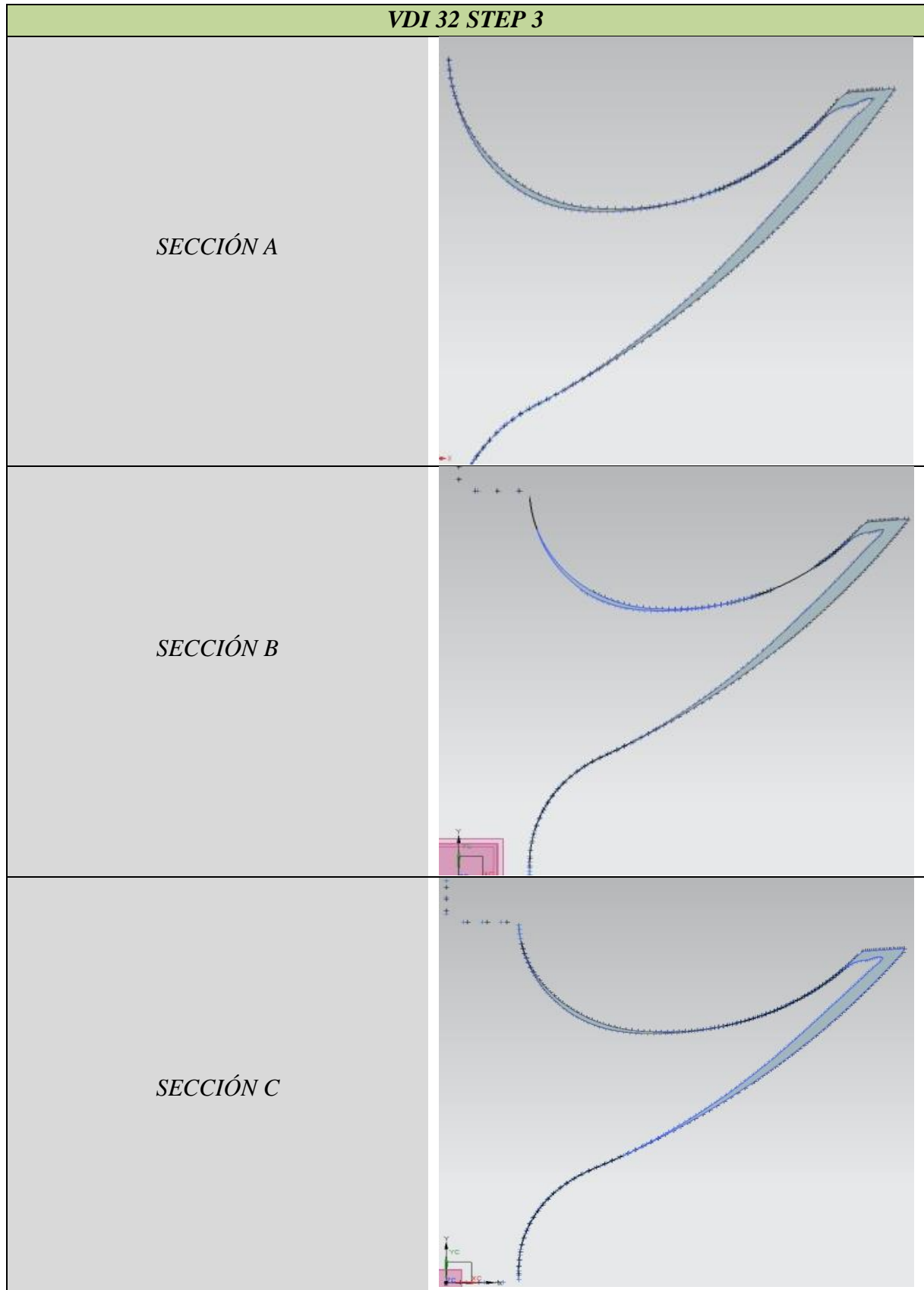


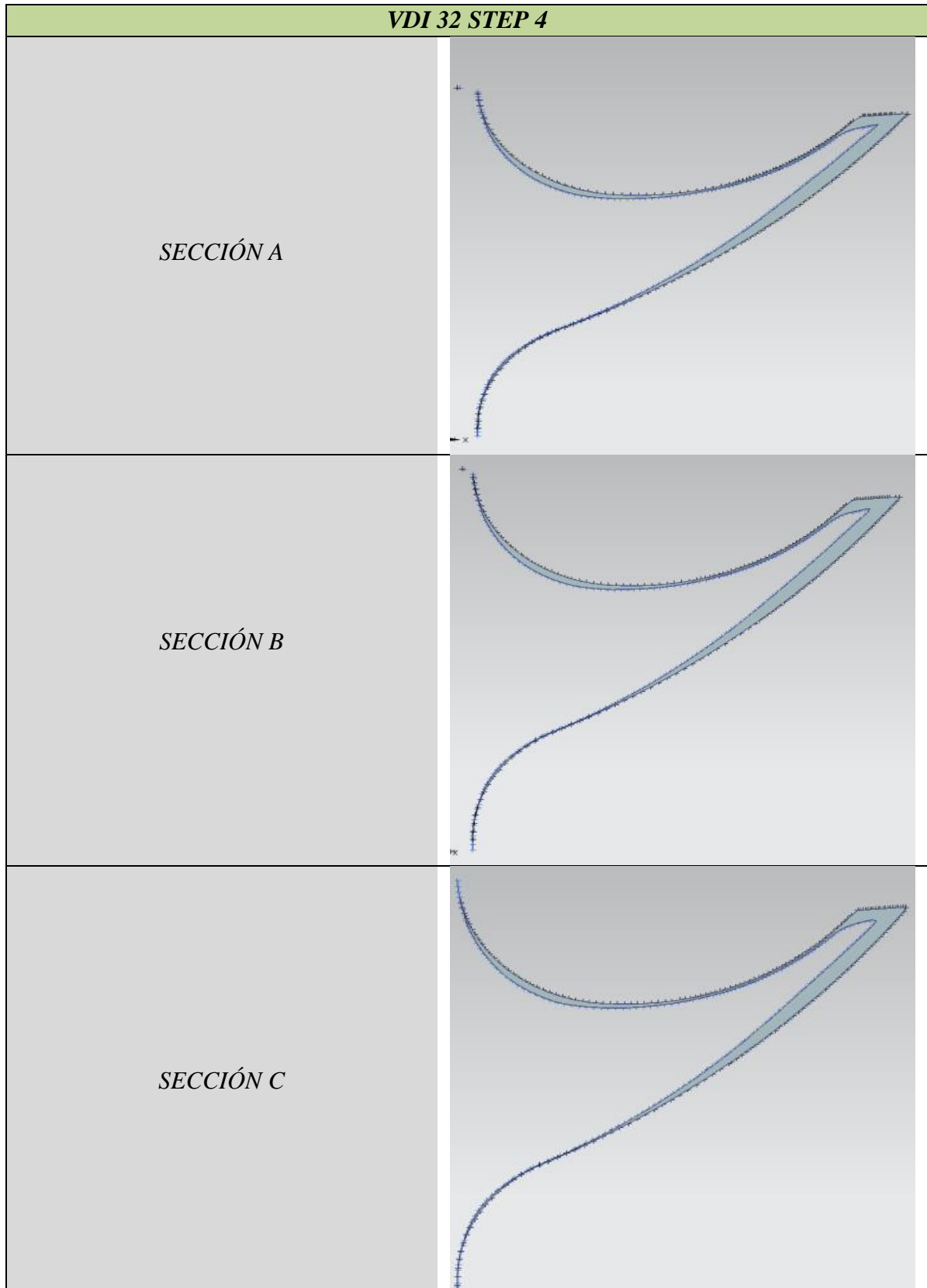


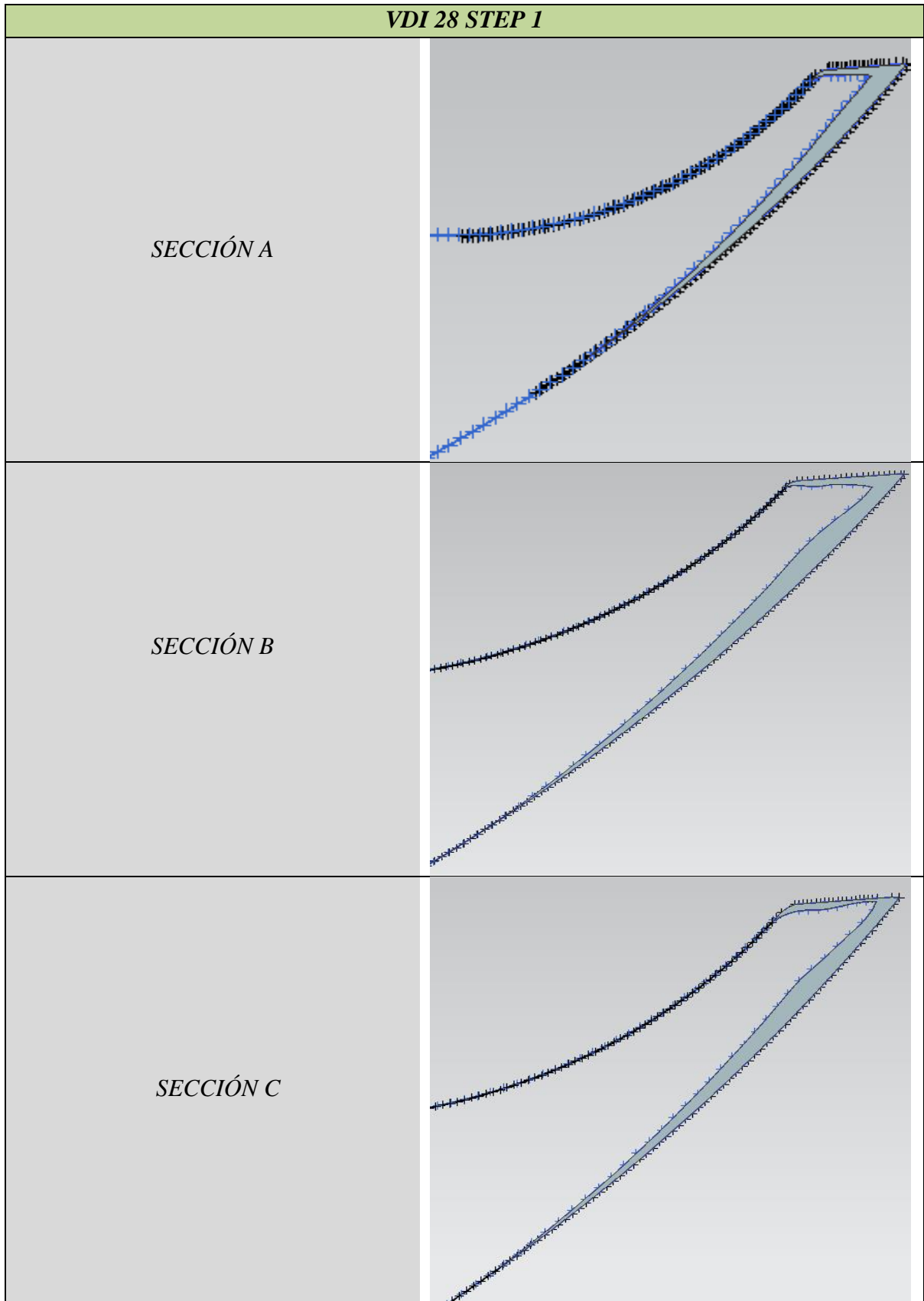


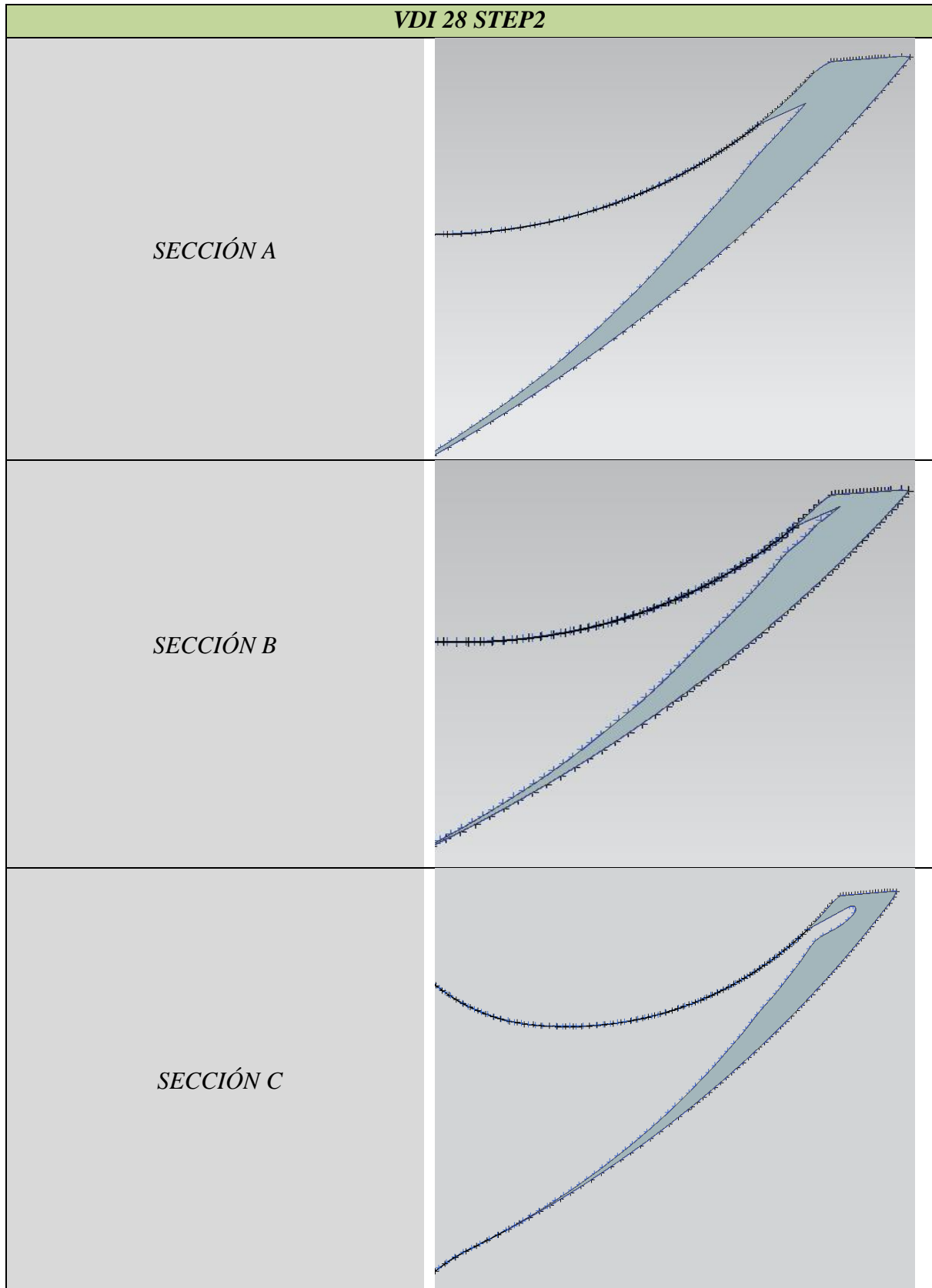


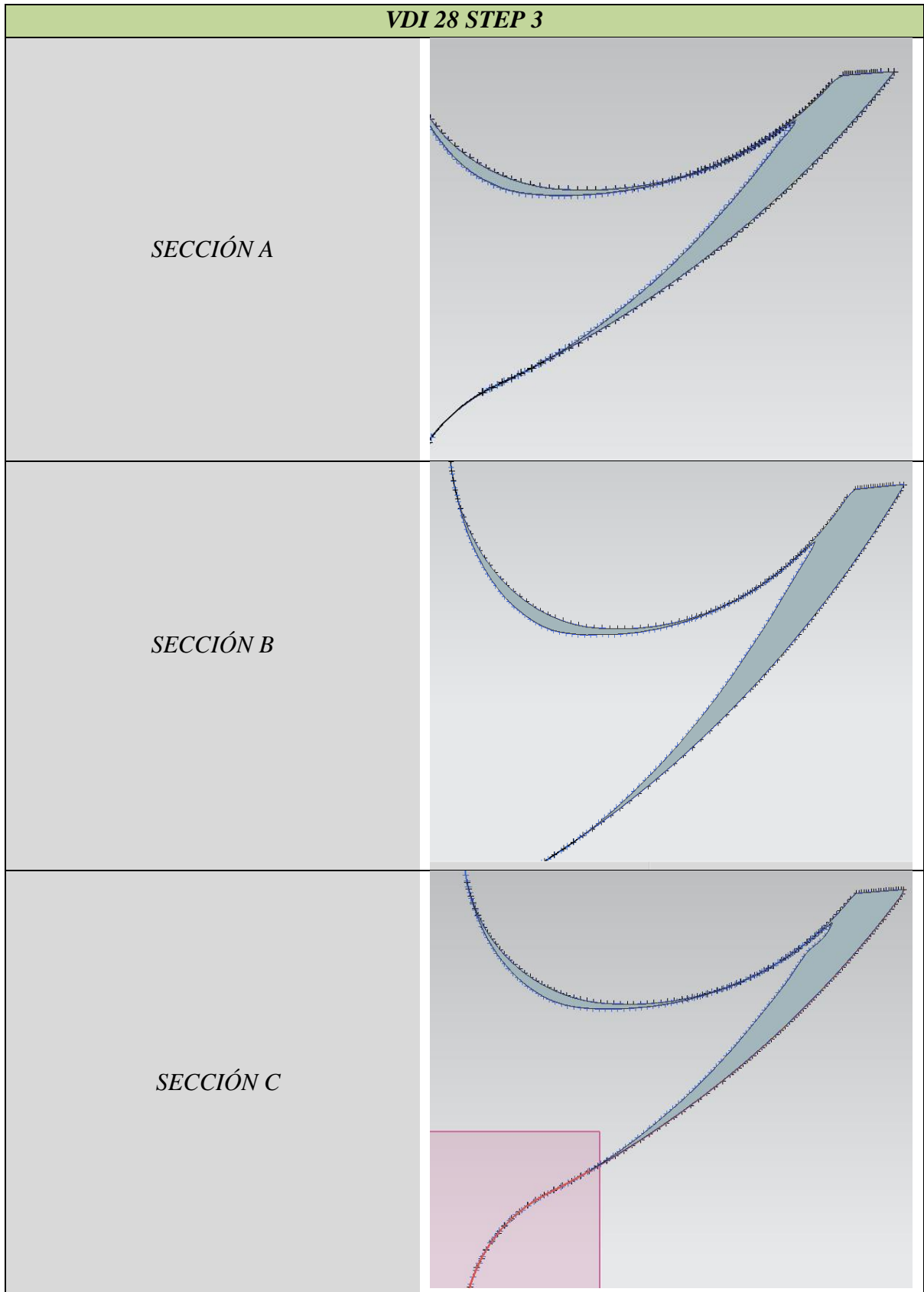


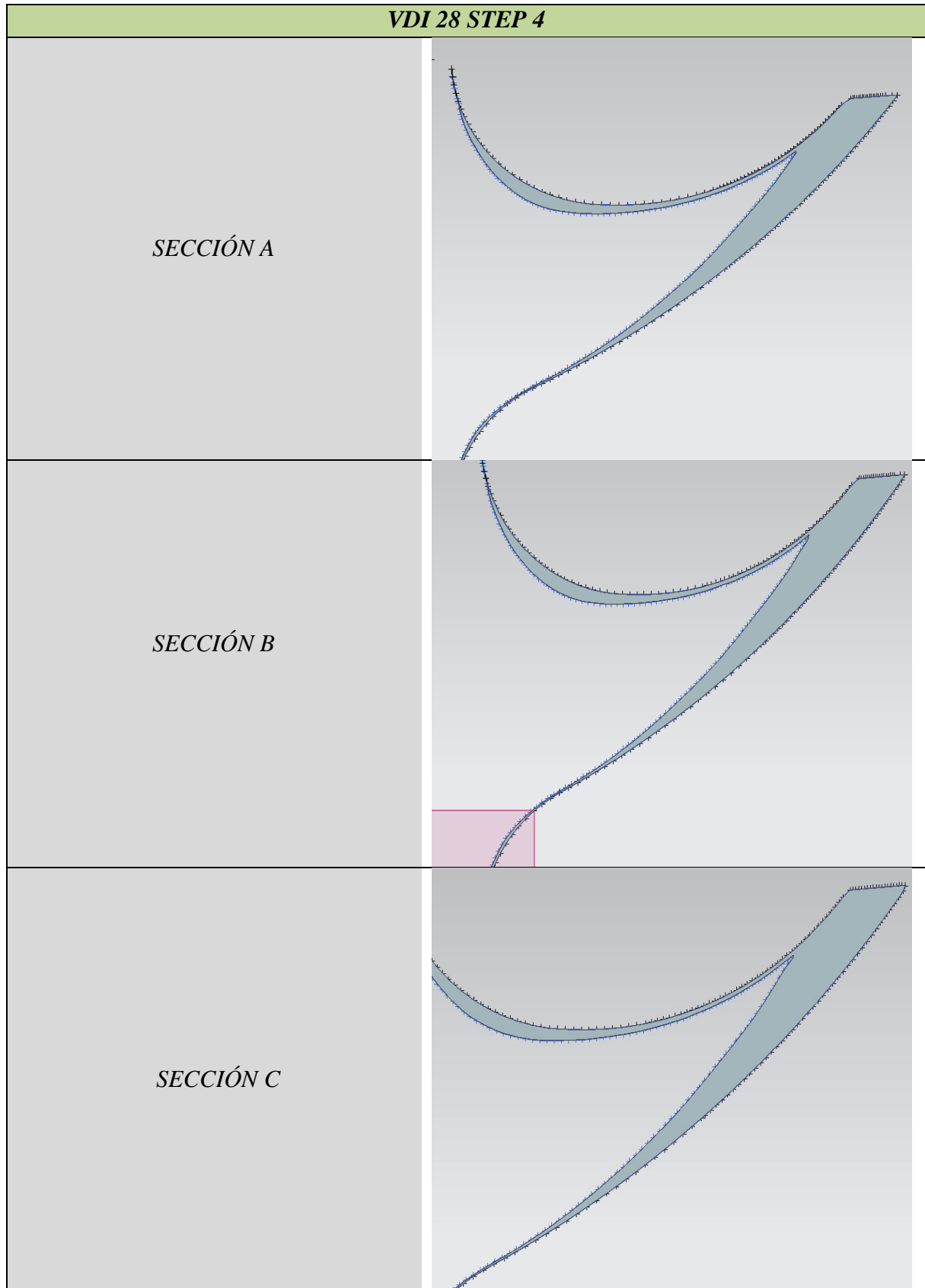








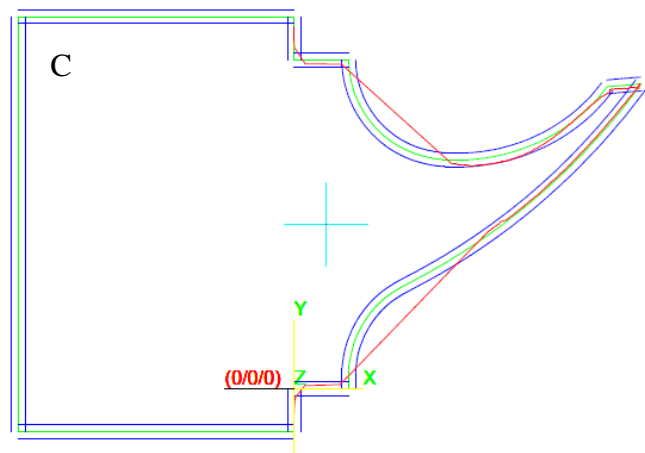
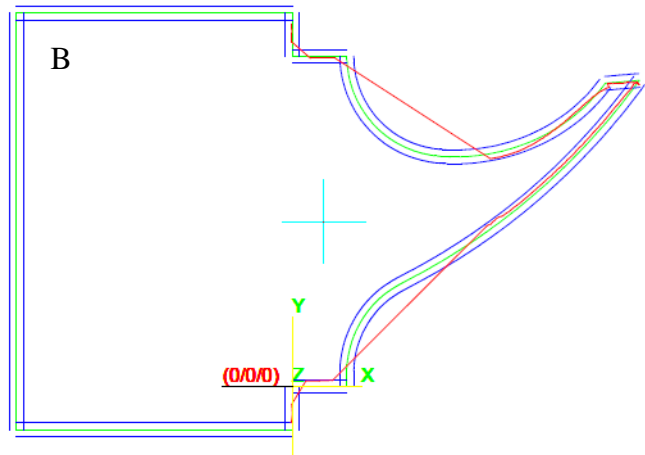
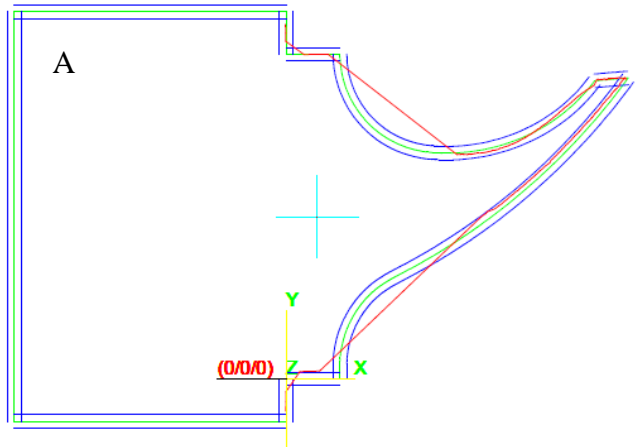




5.4.1.3. DESVIACIÓN DE LA GEOMETRÍA DEL ELECTRODO ANTES DE LA EROSIÓN

VDI 39 / STEP 1/ Secciones  
(A, B, C)

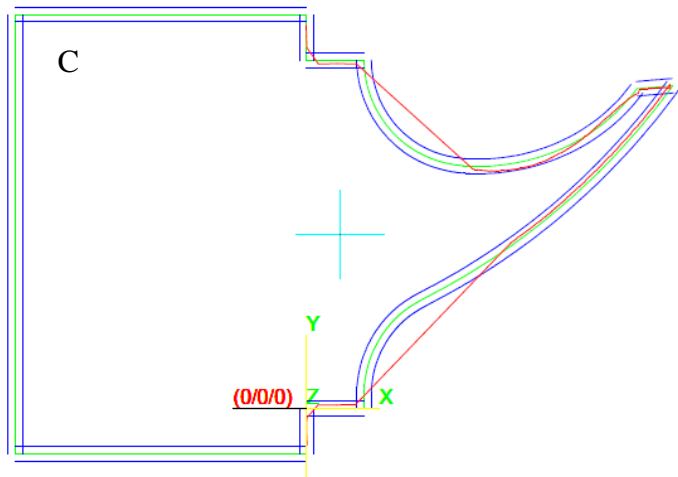
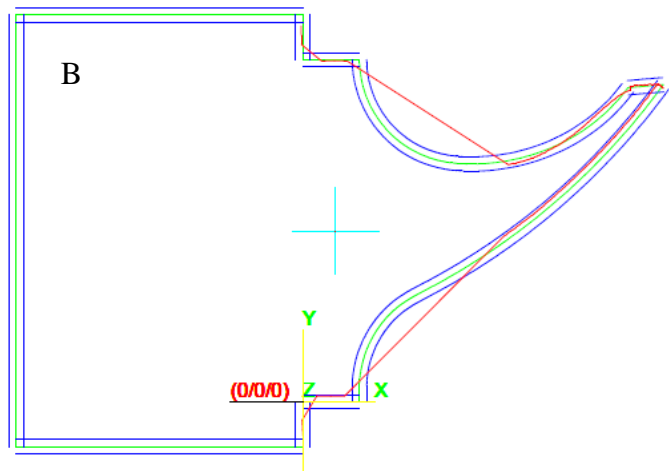
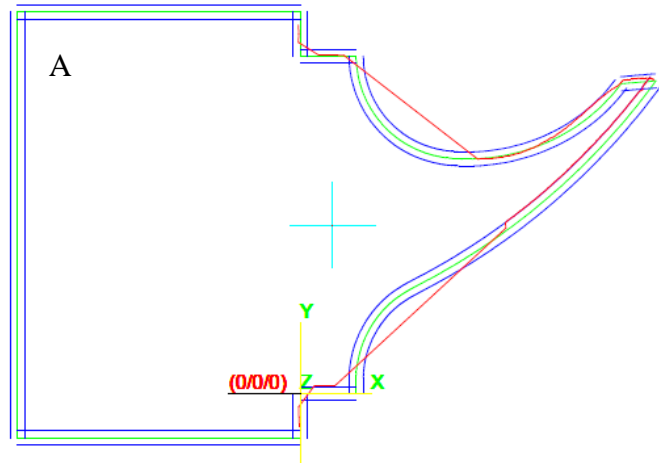
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

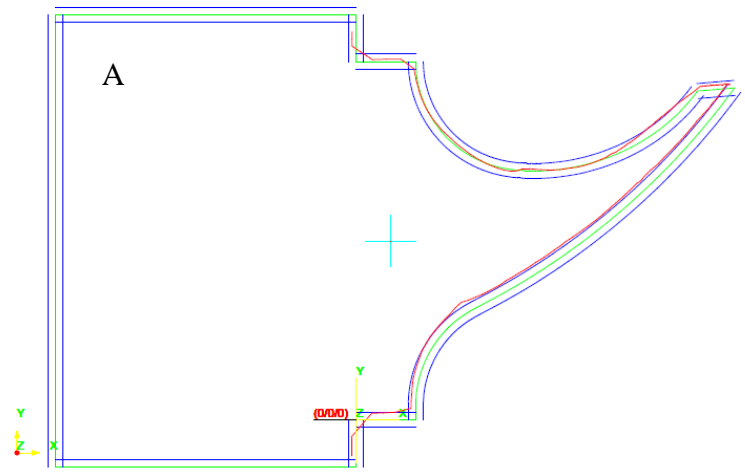




VDI 39 / STEP 2/ Secciones  
(A, B, C)

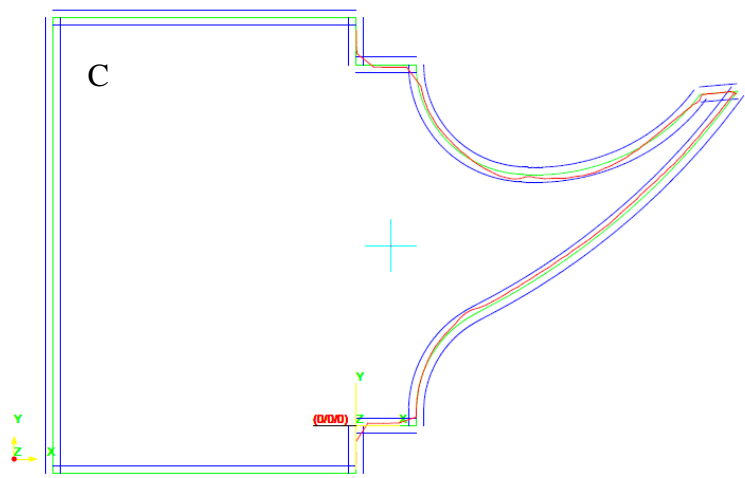
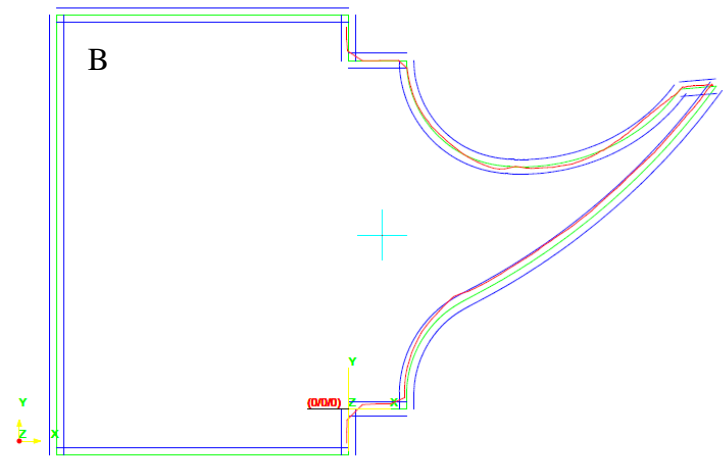
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

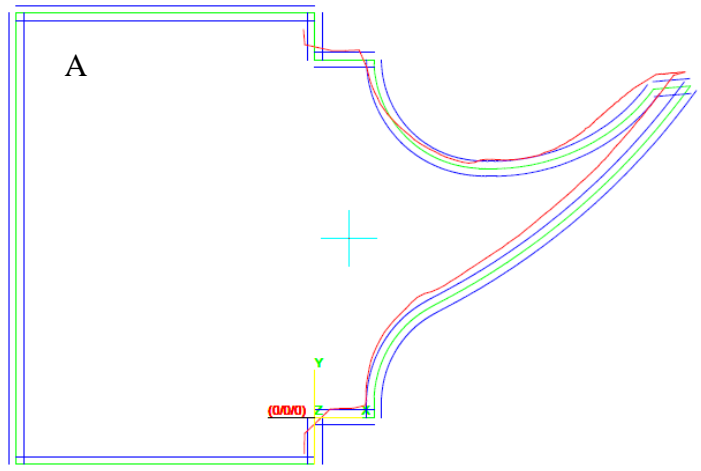




*VDI 39 / STEP 3/ Secciones  
(A, B, C)*

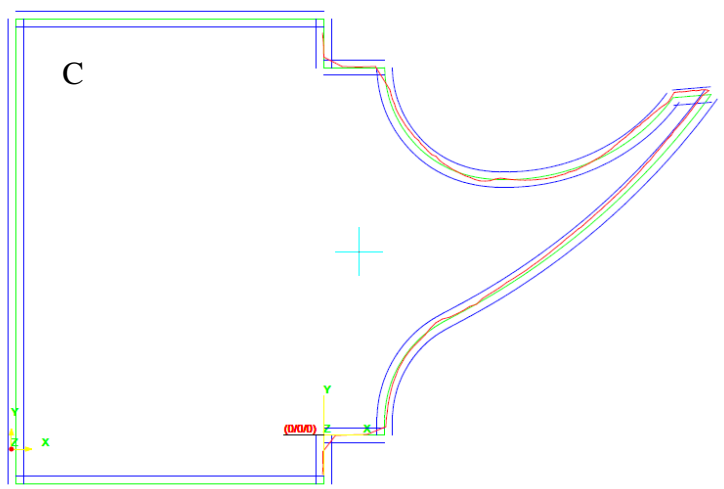
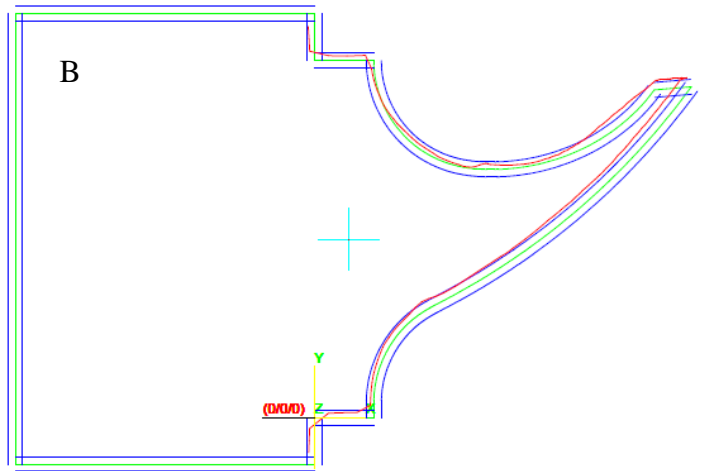
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

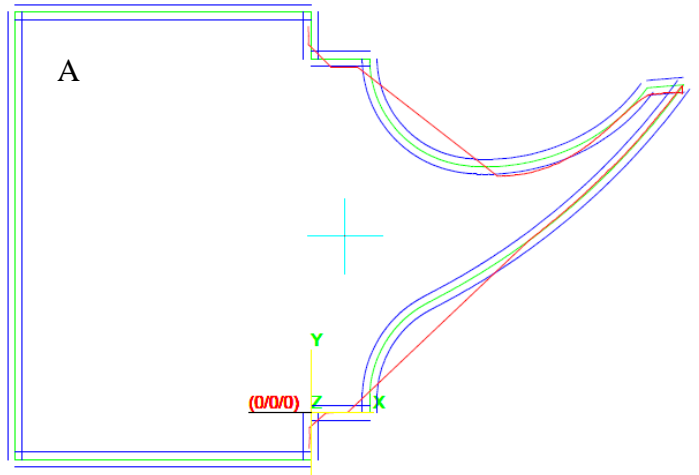




VDI 39 / STEP 4/ Secciones  
(A, B, C)

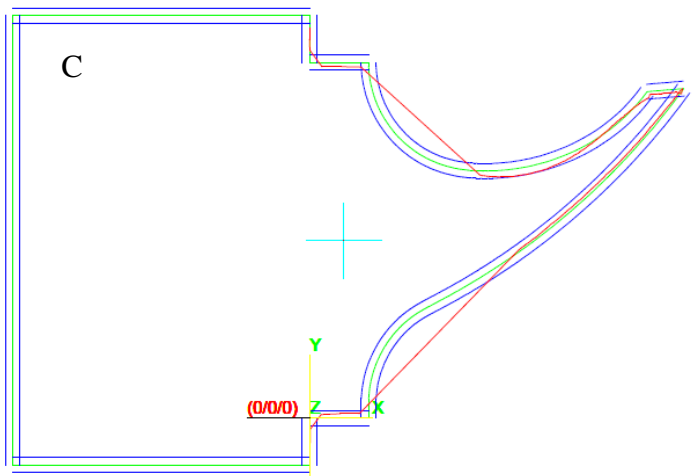
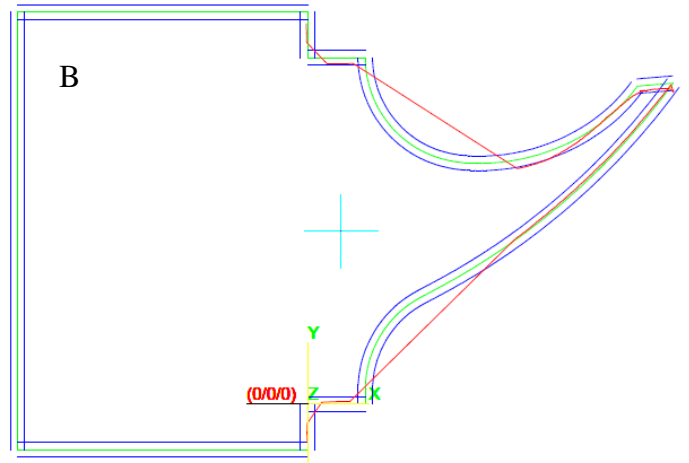
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

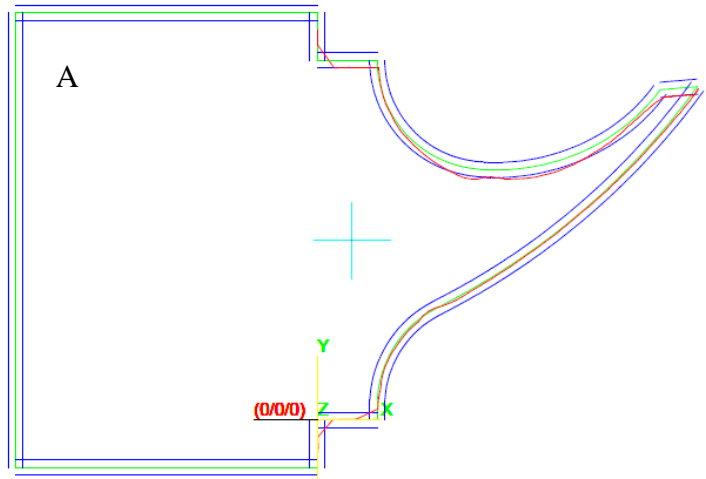




VDI 36 / STEP 1/ Secciones  
(A, B, C)

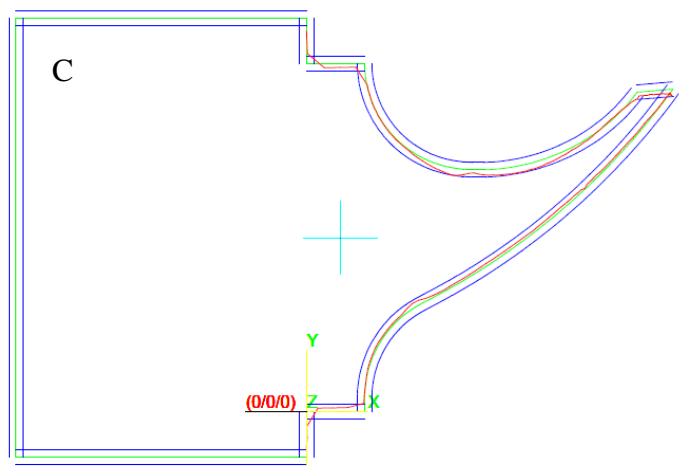
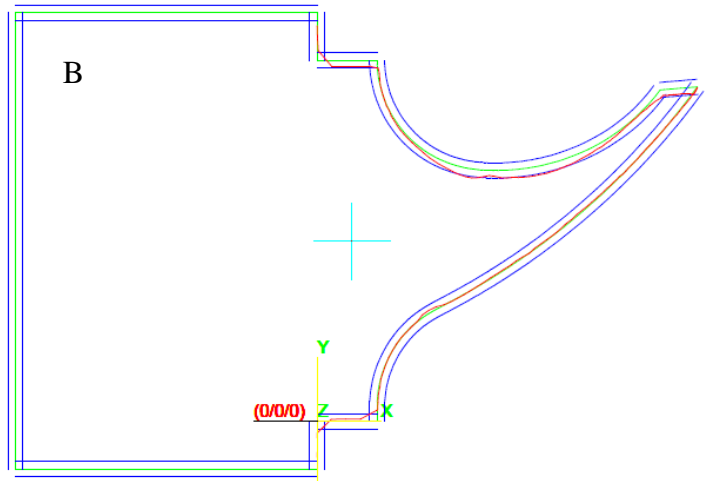
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
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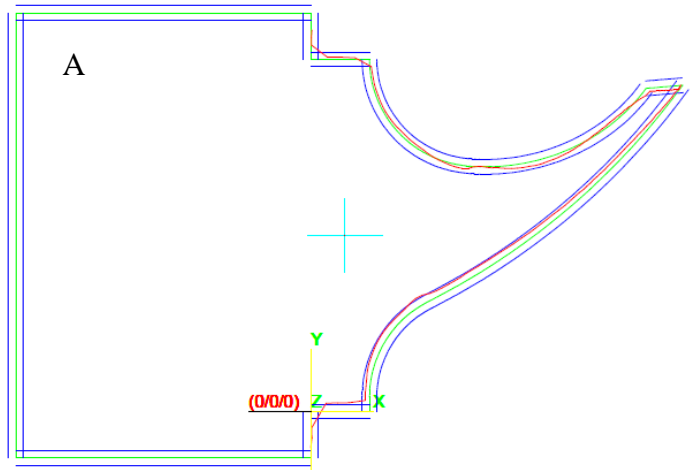




*VDI 36 / STEP 2/ Secciones  
(A, B, C)*

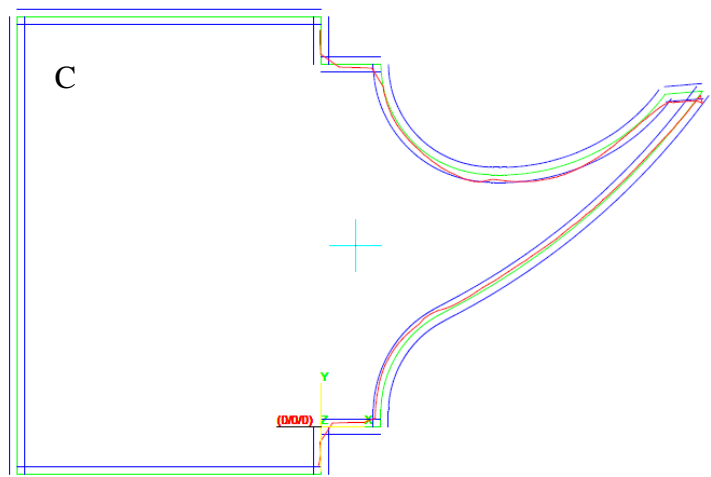
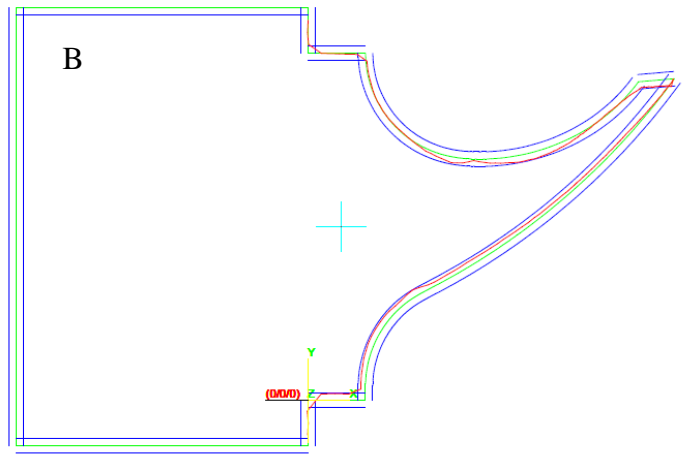
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

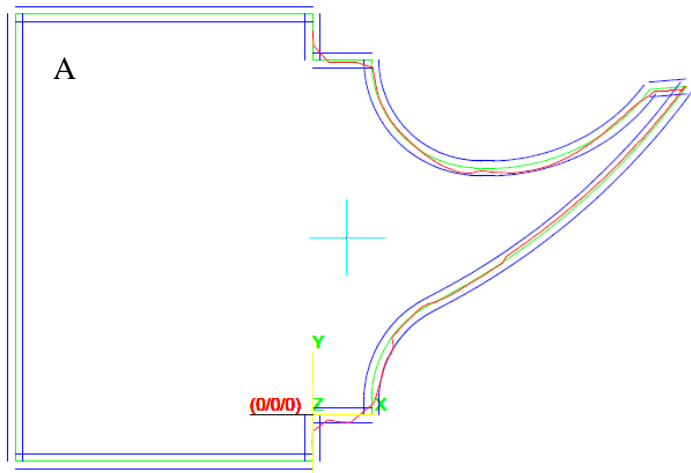




*VDI 36 / STEP 3/ Secciones  
(A, B, C)*

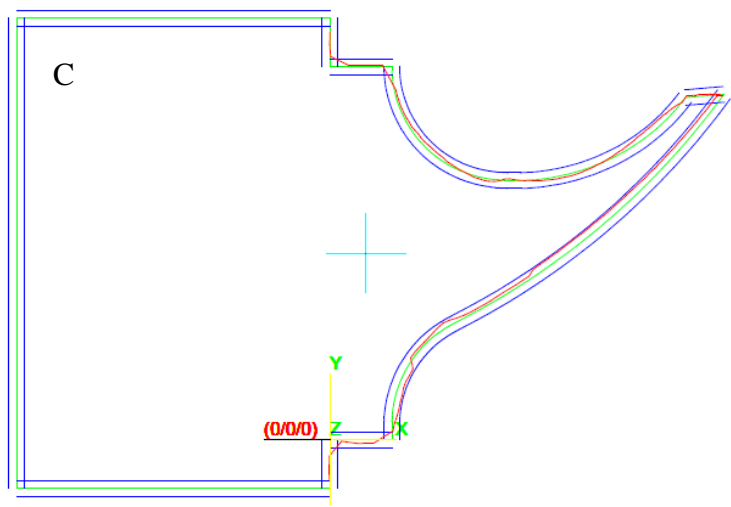
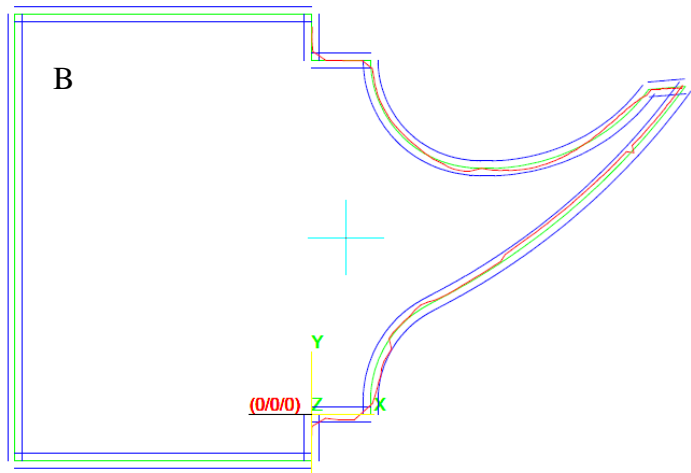
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Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

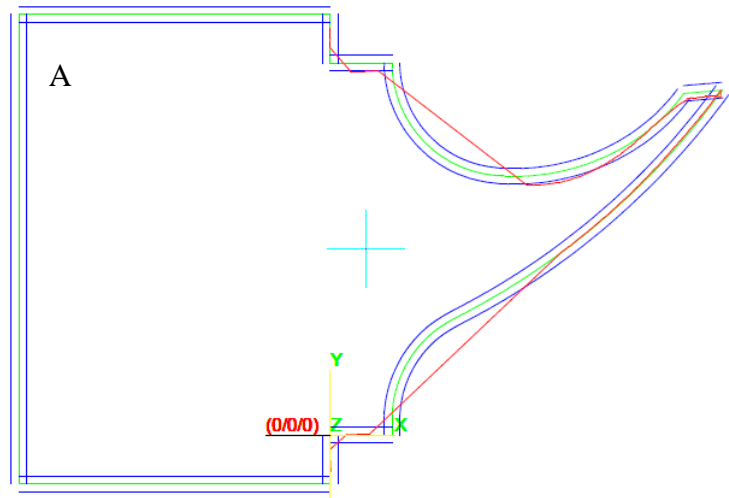




VDI 36 / STEP4/ Secciones  
(A, B, C)

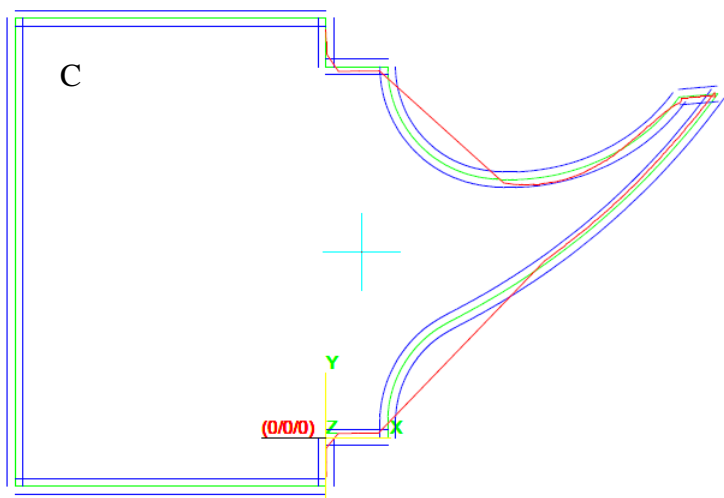
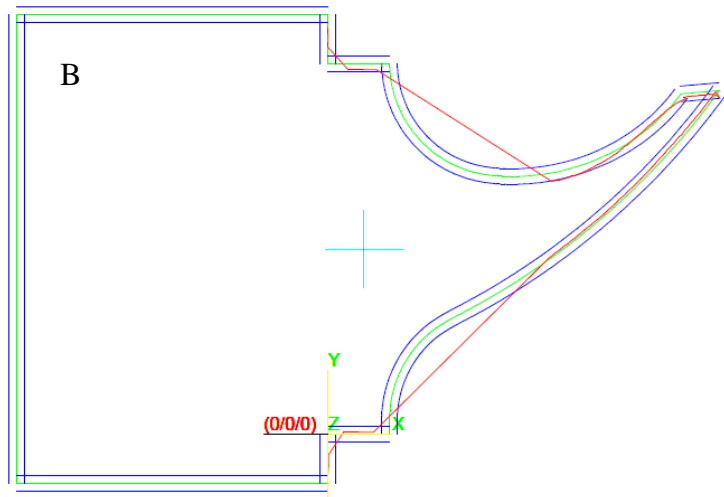
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm



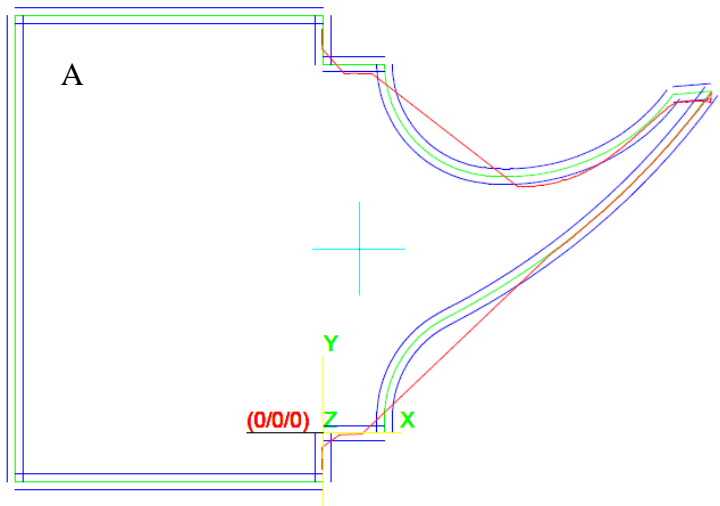


*VDI 32 / STEP 1/ Secciones  
(A, B, C)*

Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm

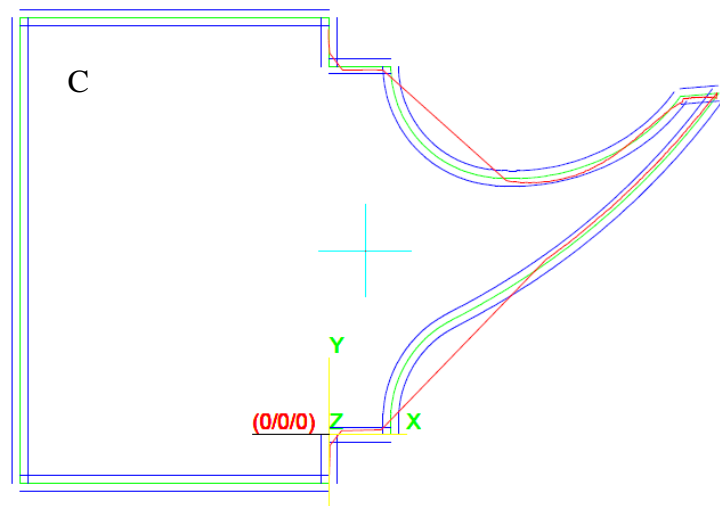
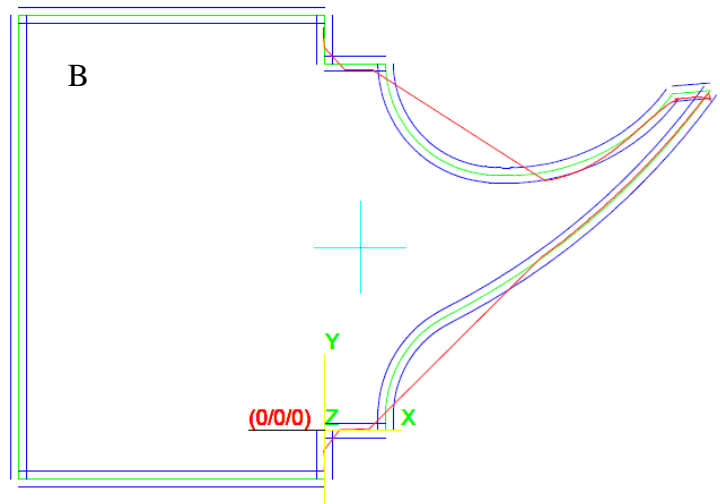


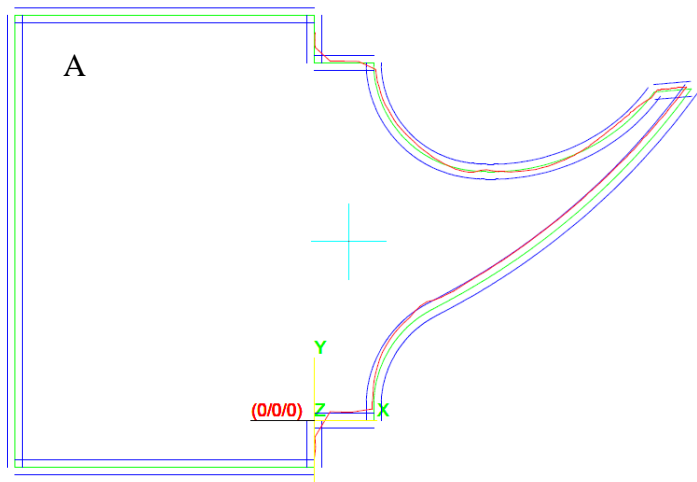




*VDI 32 / STEP 2/ Secciones  
(A, B, C)*

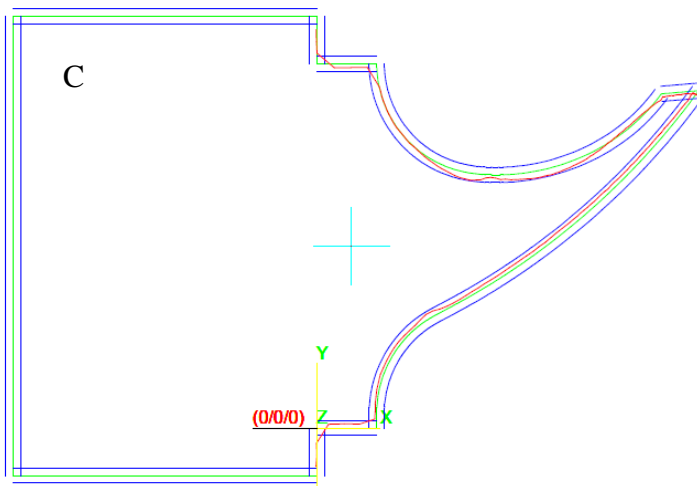
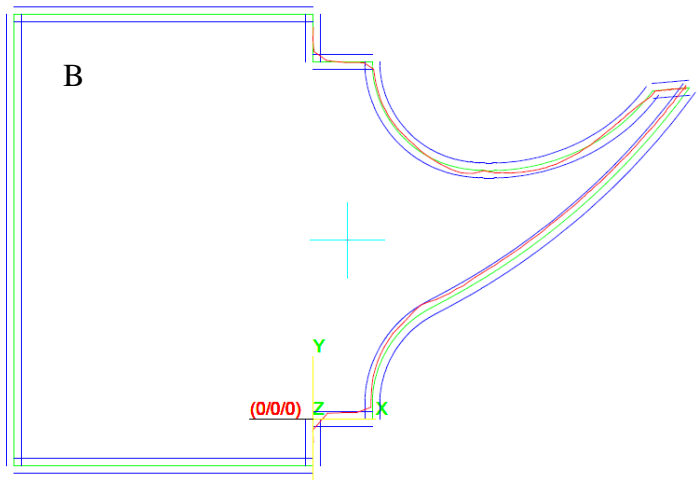
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
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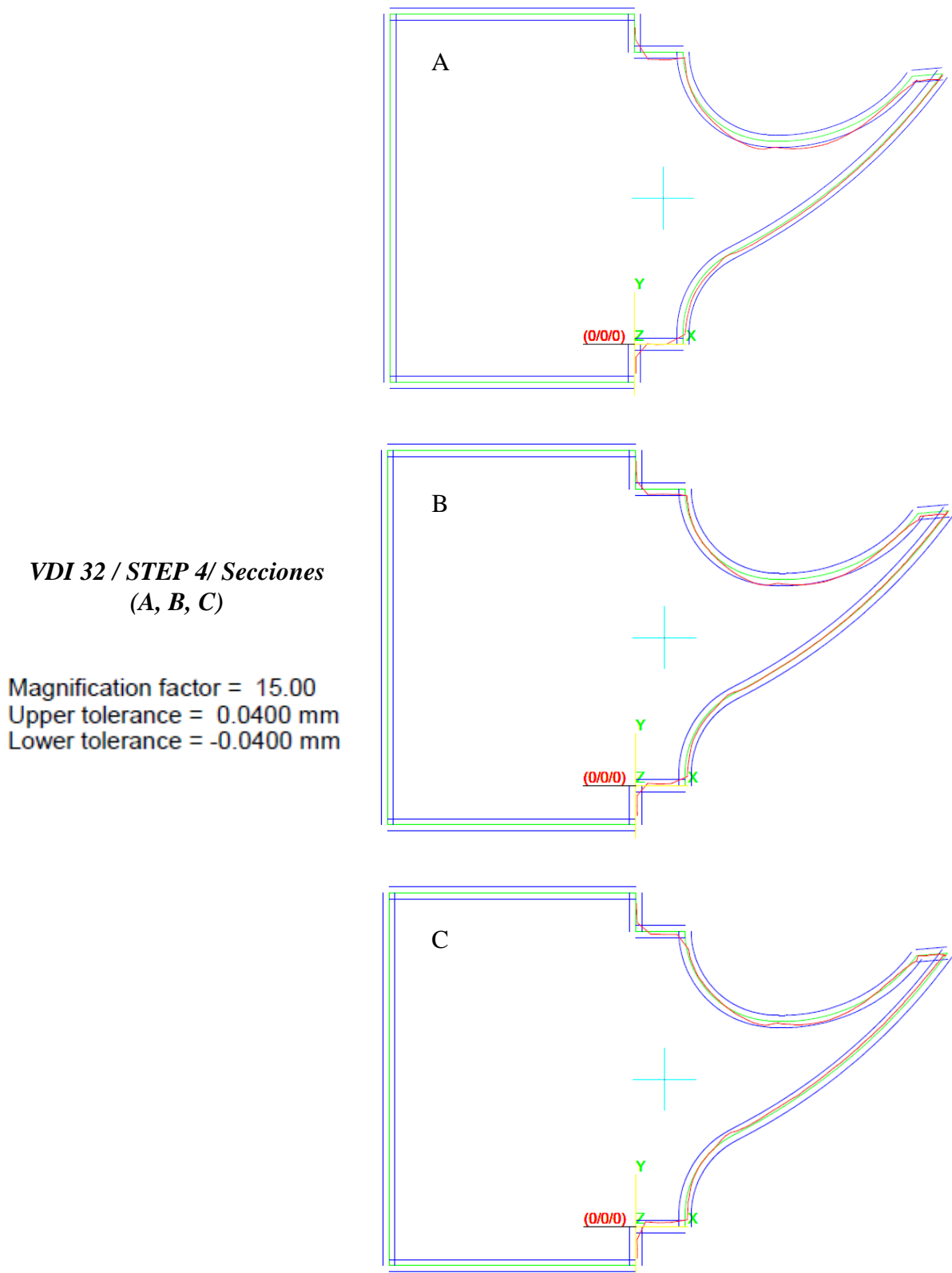


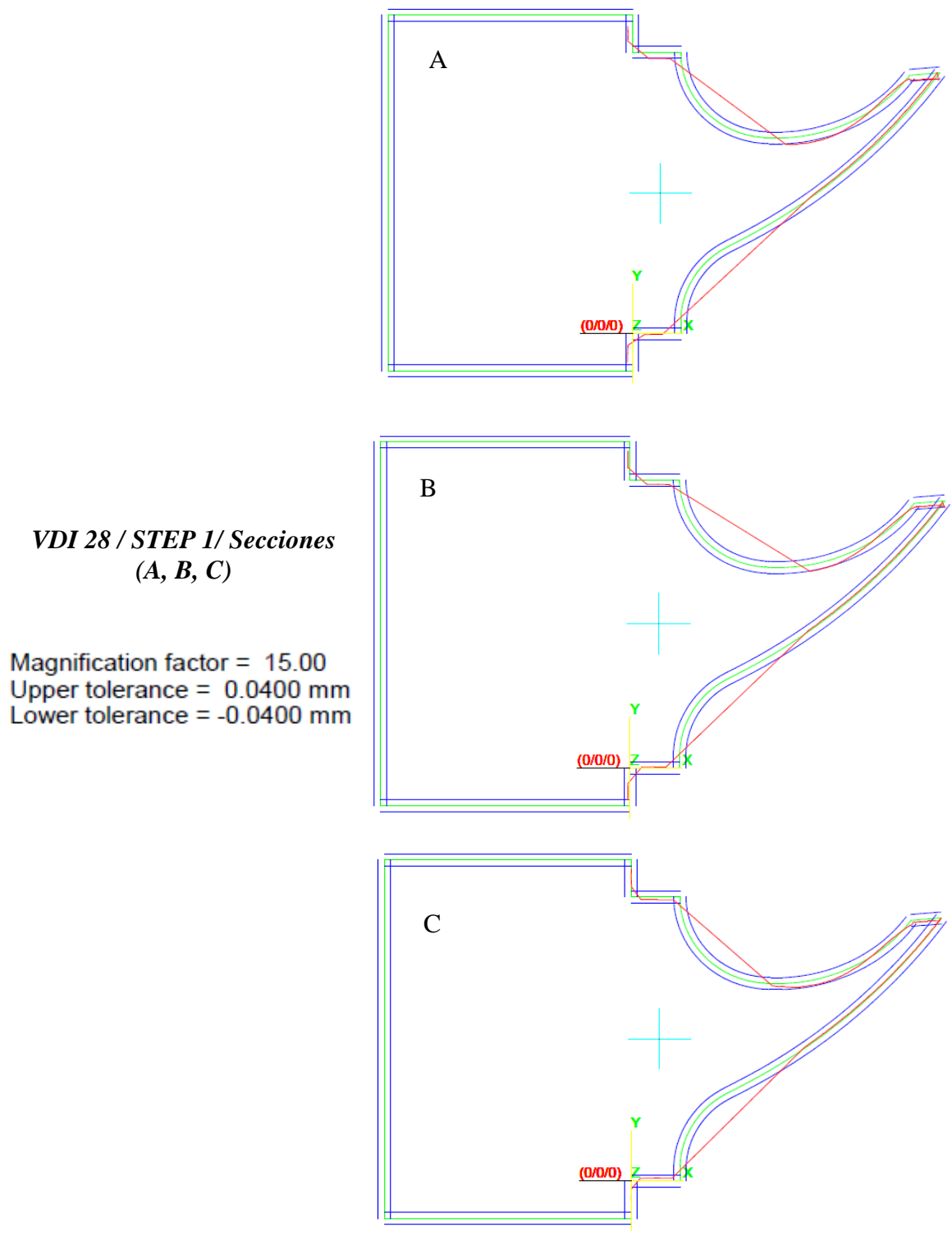


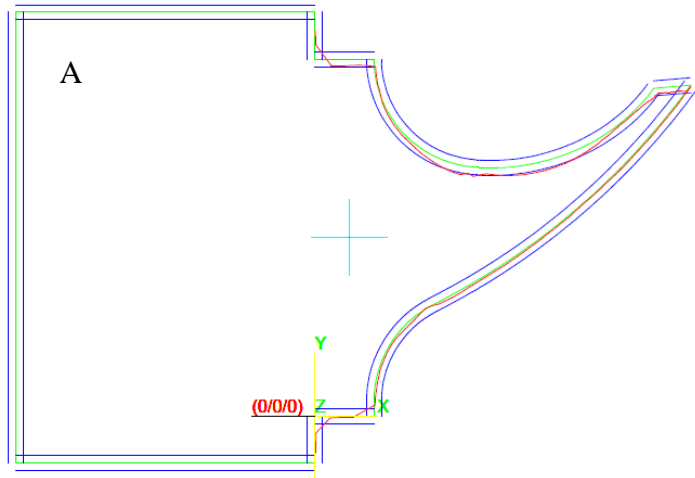
VDI 32 / STEP 3/ Secciones  
(A, B, C)

Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm



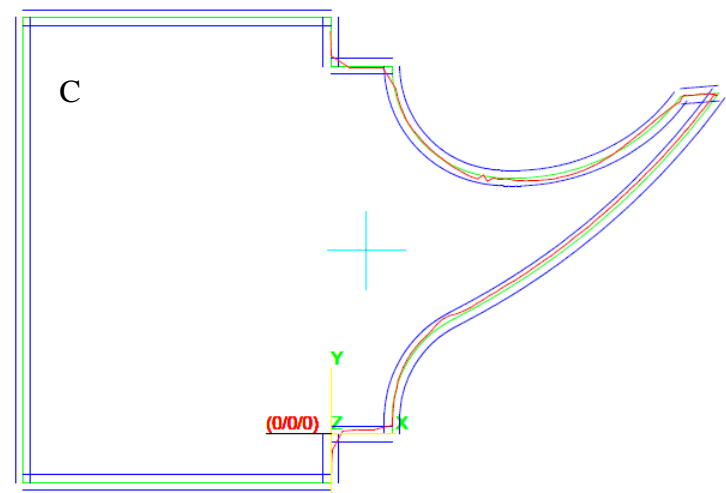
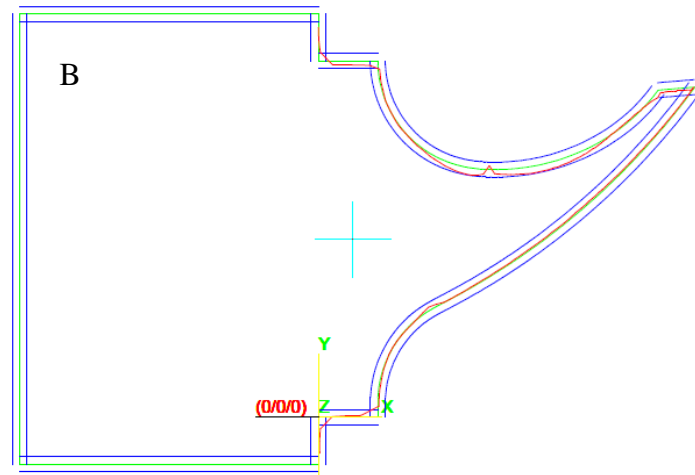


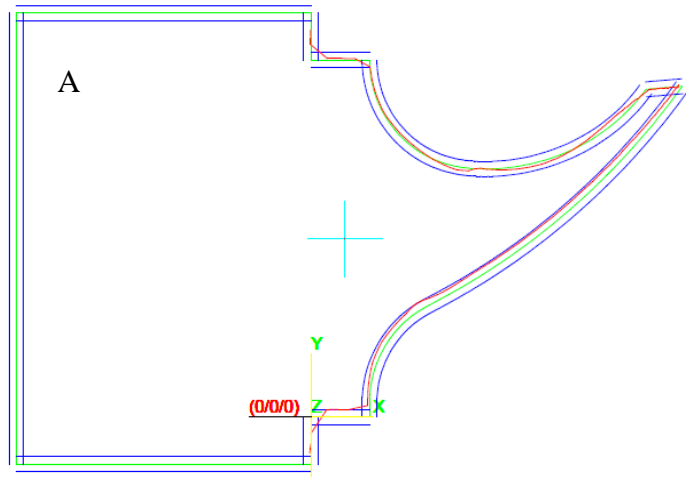




*VDI 28 / STEP 2/ Secciones  
(A, B, C)*

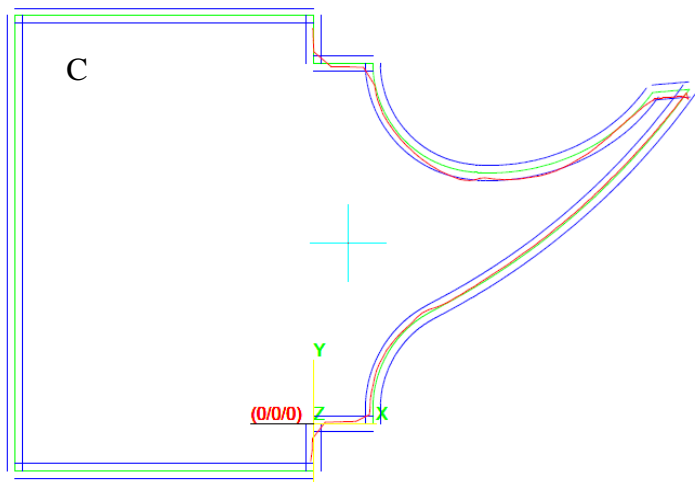
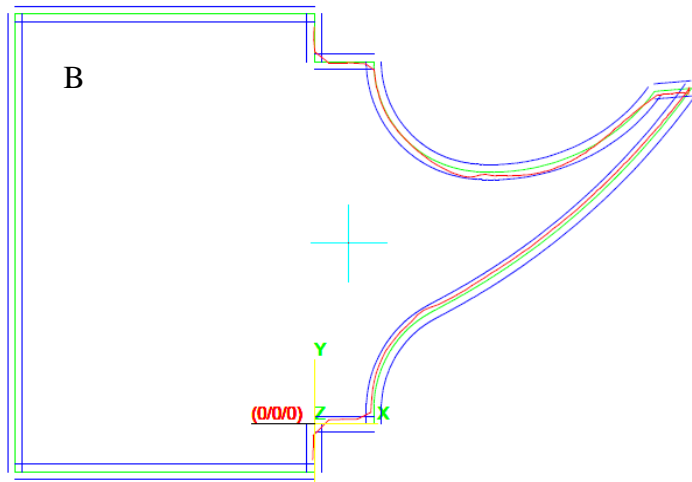
Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
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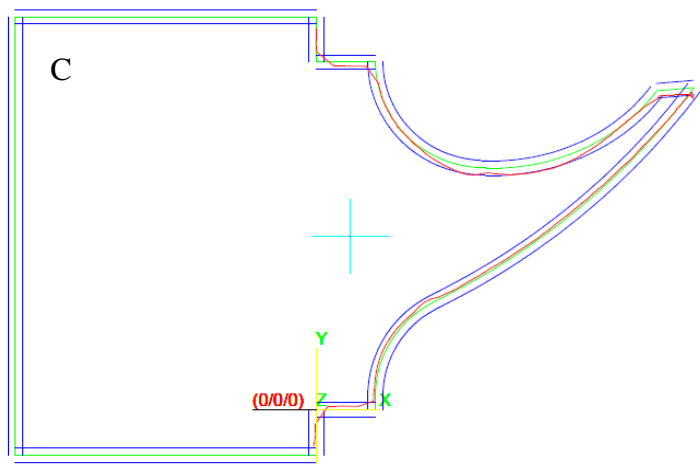
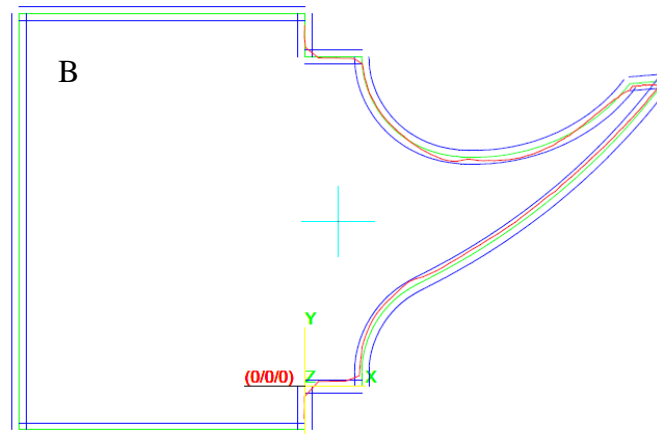
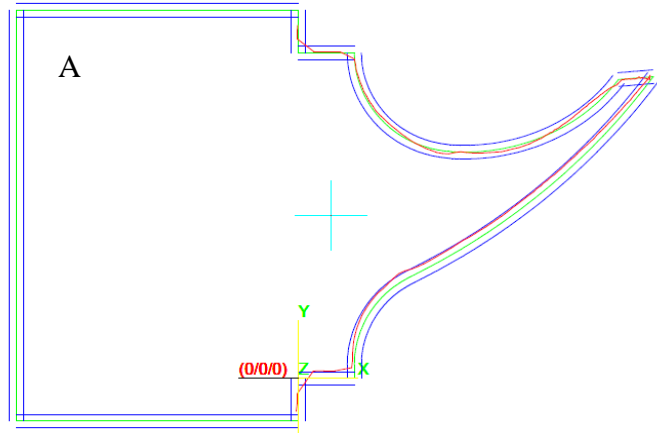
*VDI 28 / STEP 3/ Secciones  
(A, B, C)*

Magnification factor = 15.00  
 Upper tolerance = 0.0400 mm  
 Lower tolerance = -0.0400 mm







*VDI 28 / STEP 4/ Secciones  
(A, B, C)*

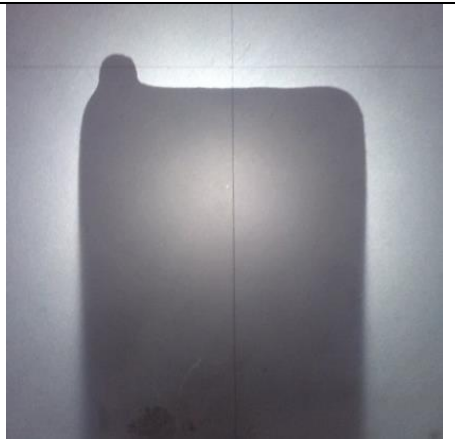

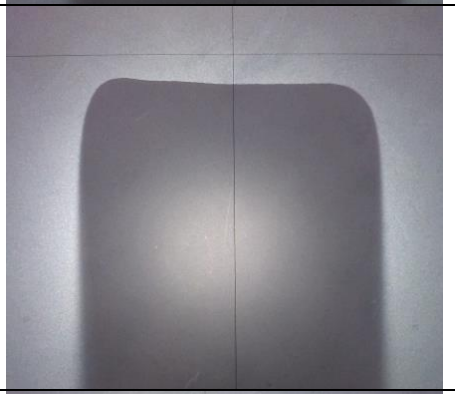

Magnification factor = 15.00  
Upper tolerance = 0.0400 mm  
Lower tolerance = -0.0400 mm



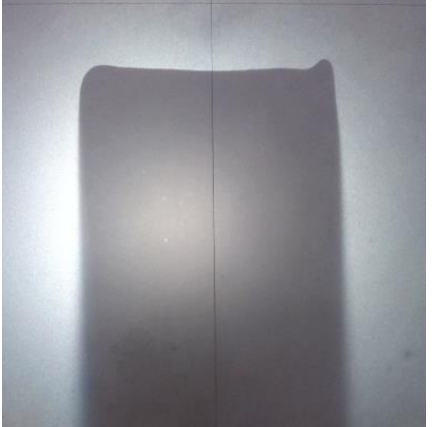



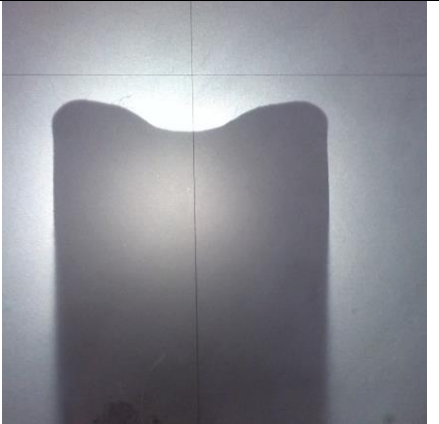


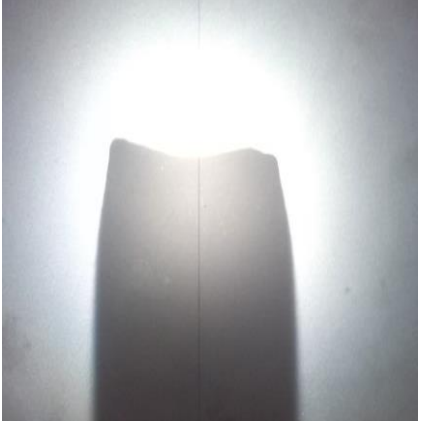
5.4.1.4. IMÁGENES DE LA GEOMETRÍA DE LA PUNTA DEL ELECTRODO OBTENIDA EN EL PROYECTOR DE PERFILES

<i>VDI 39</i>	<i>STEP1</i>	
	<i>STEP2</i>	
	<i>STEP3</i>	
	<i>STEP4</i>	



<i>VDI 36</i>	<i>STEP1</i>	
	<i>STEP2</i>	
	<i>STEP3</i>	
	<i>STEP4</i>	

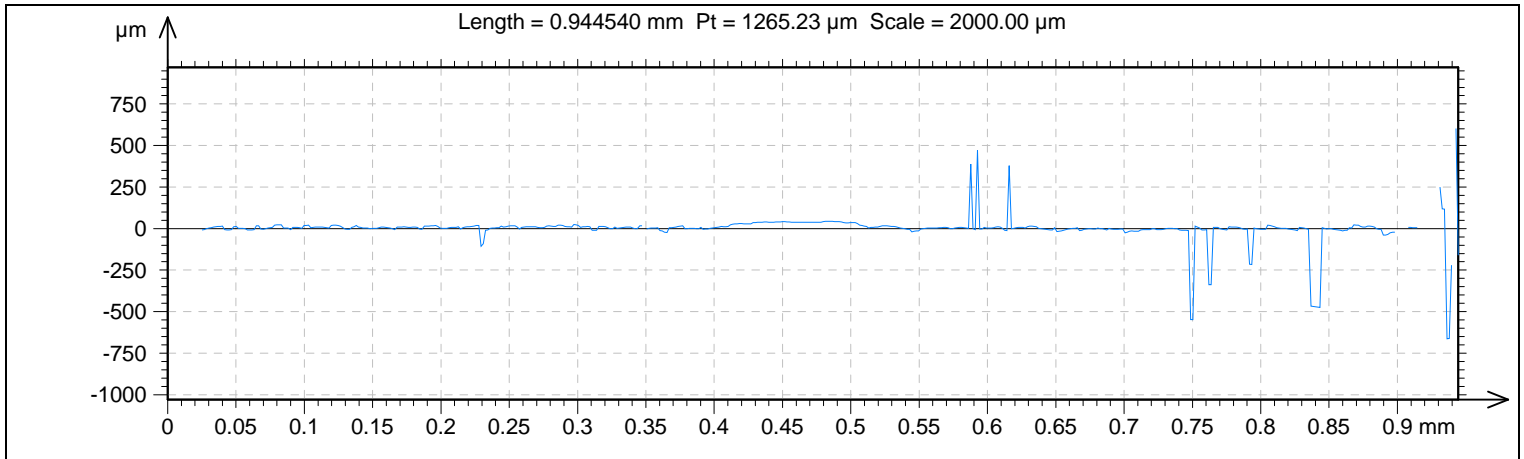
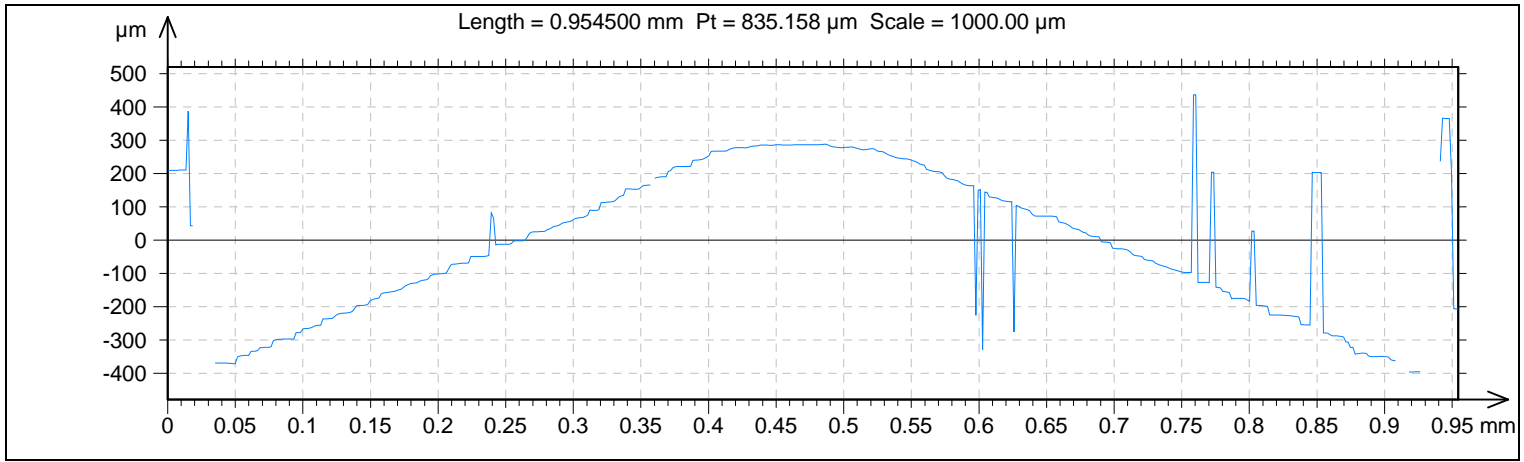
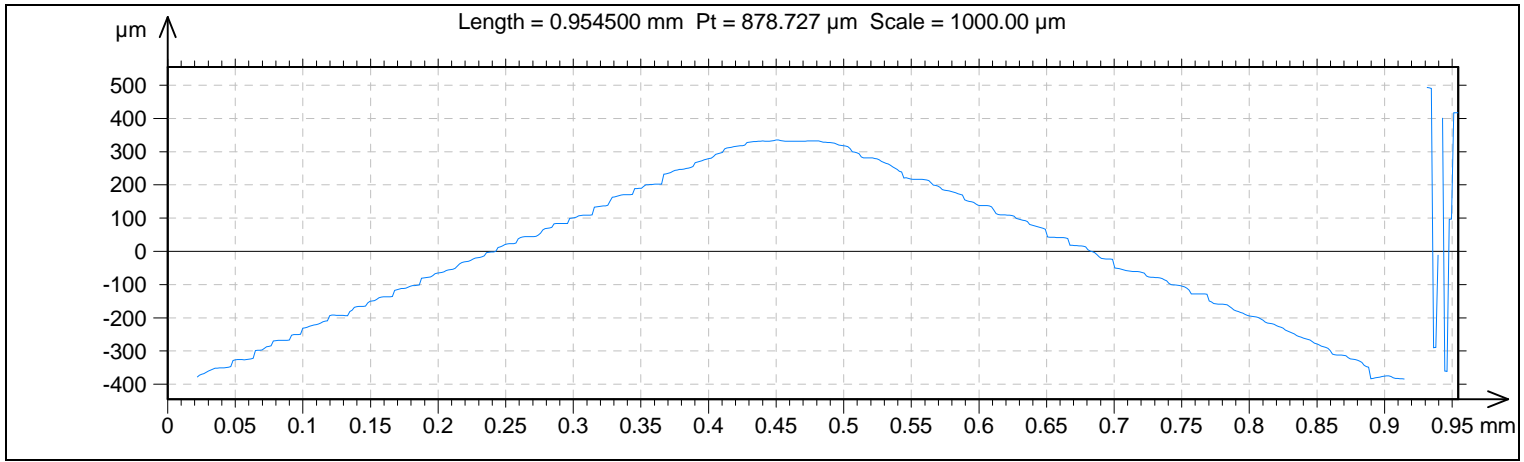
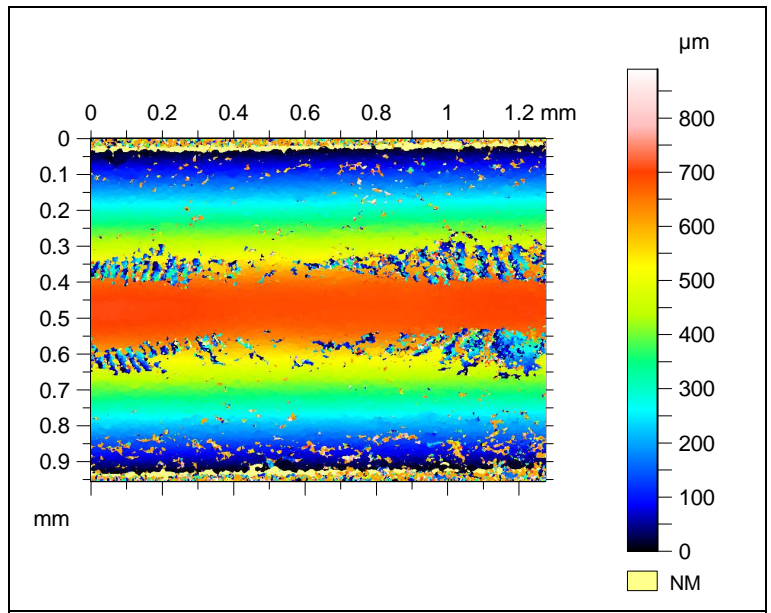
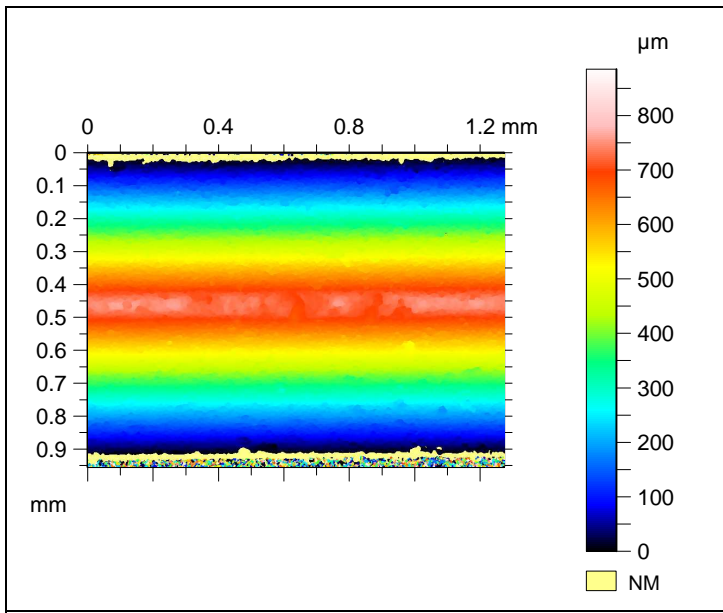
<i>VDI 32</i>	<i>STEP1</i>	
	<i>STEP2</i>	
	<i>STEP3</i>	
	<i>STEP4</i>	

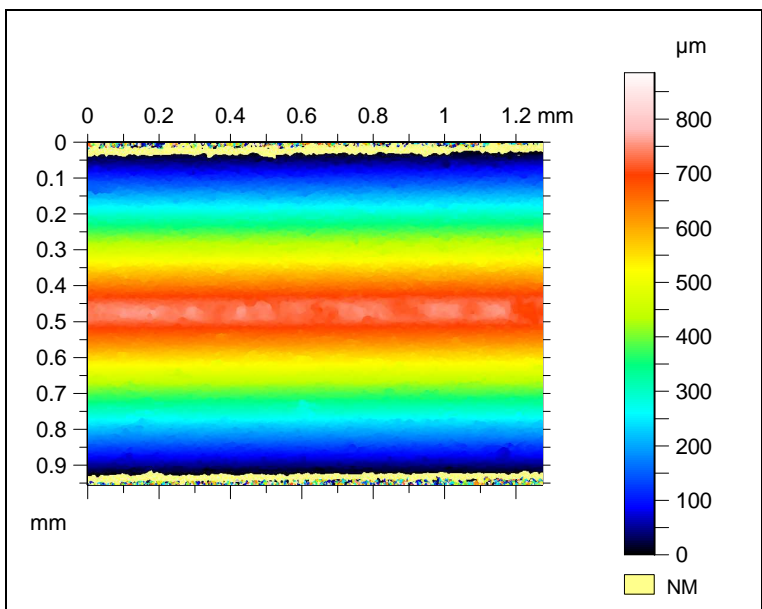
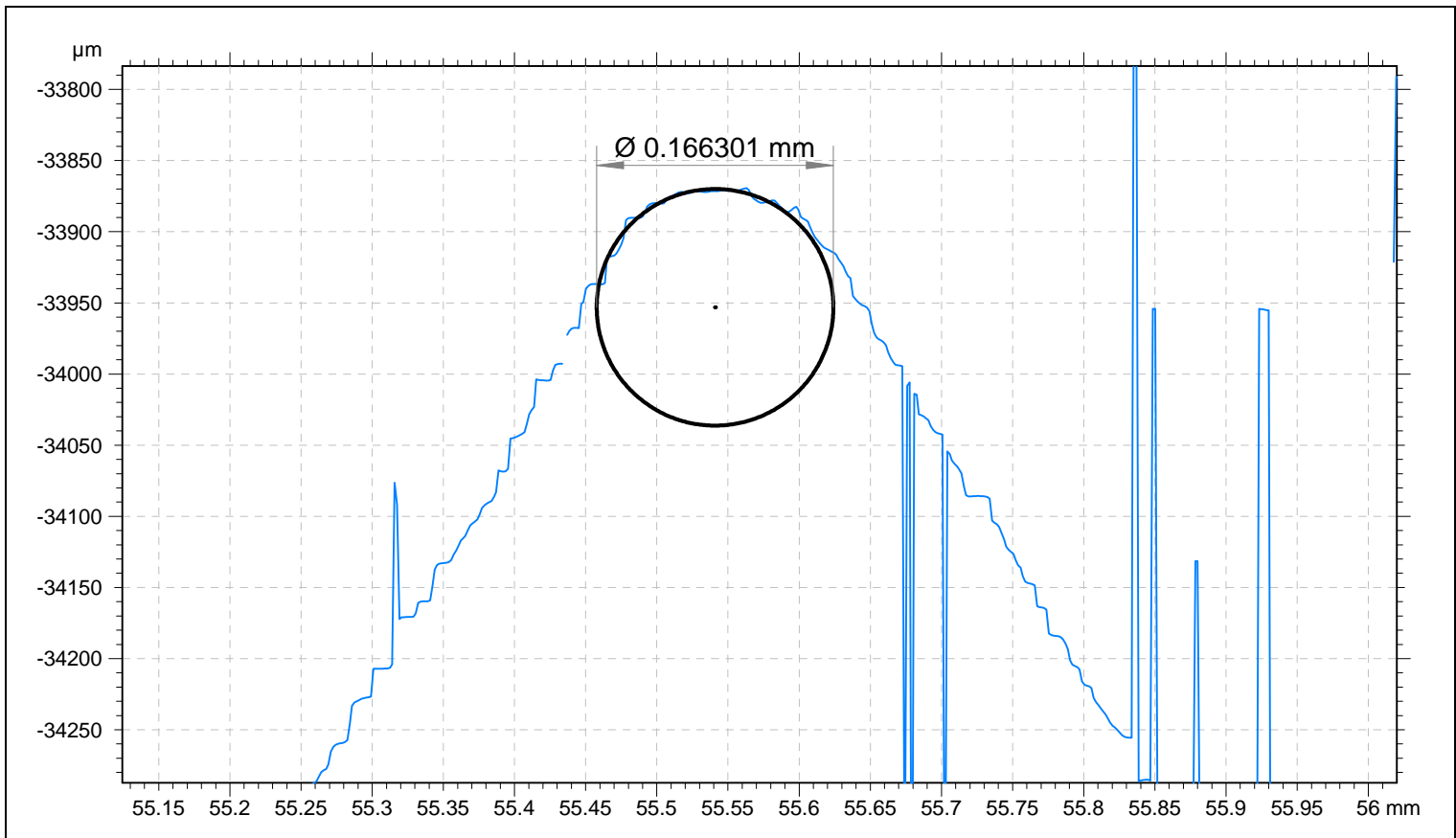
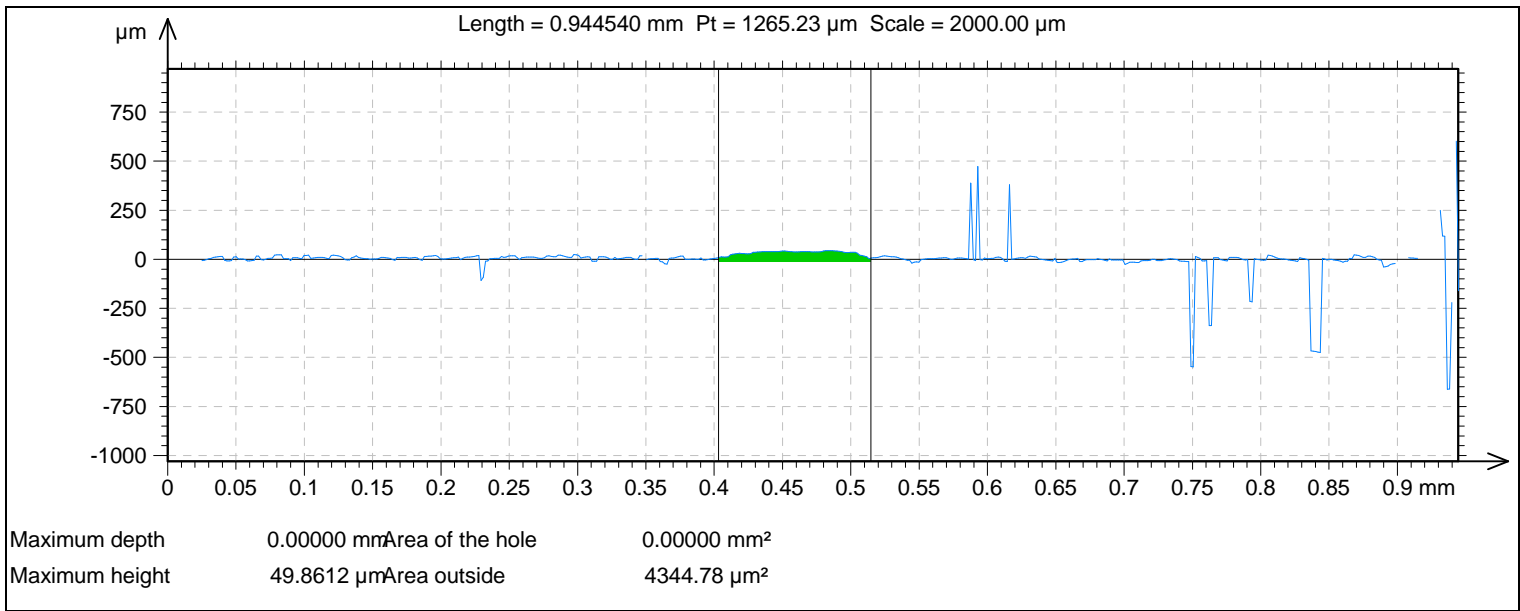
<i>VDI 28</i>	<i>STEP1</i>	
	<i>STEP2</i>	
	<i>STEP3</i>	
	<i>STEP4</i>	

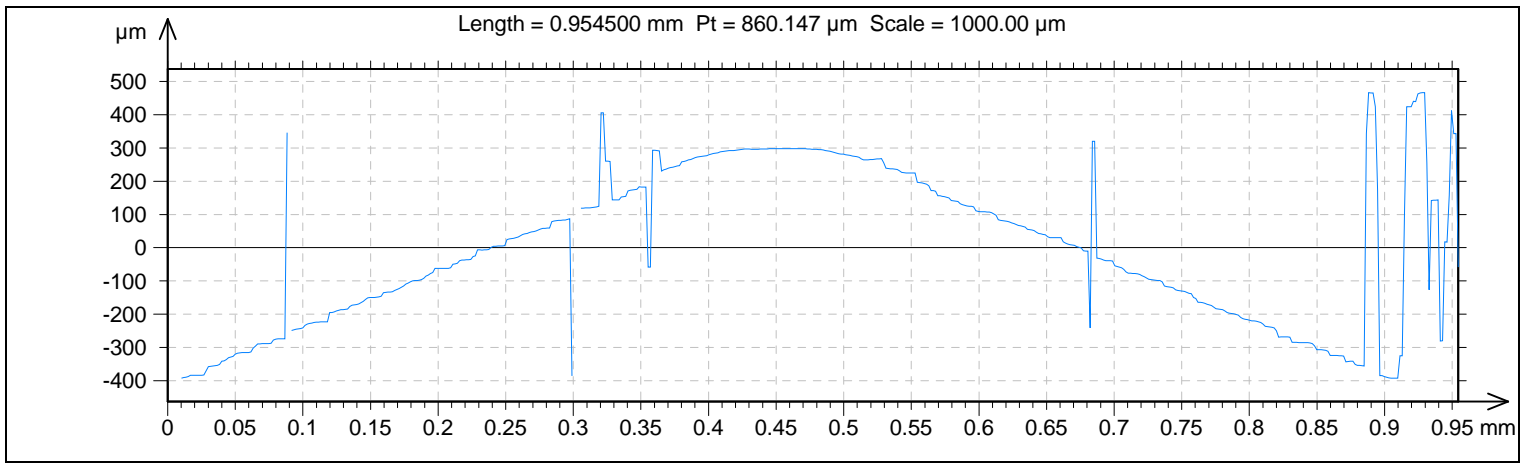
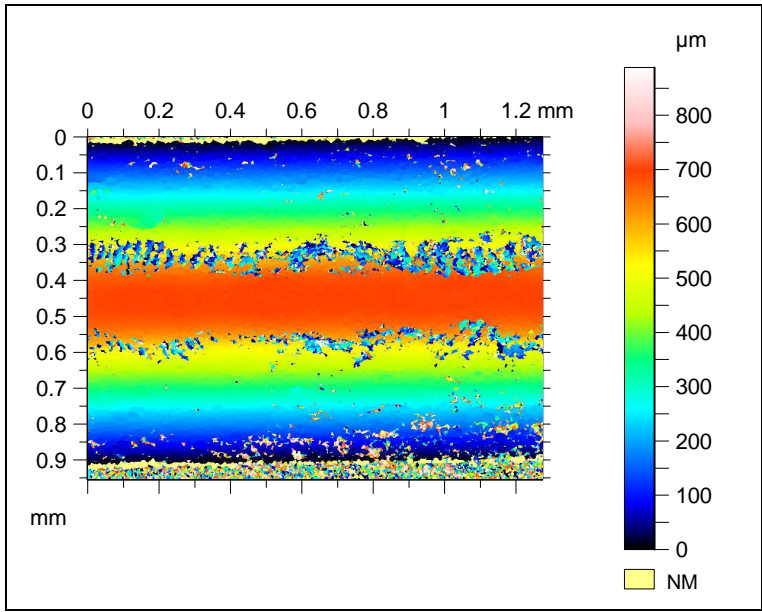
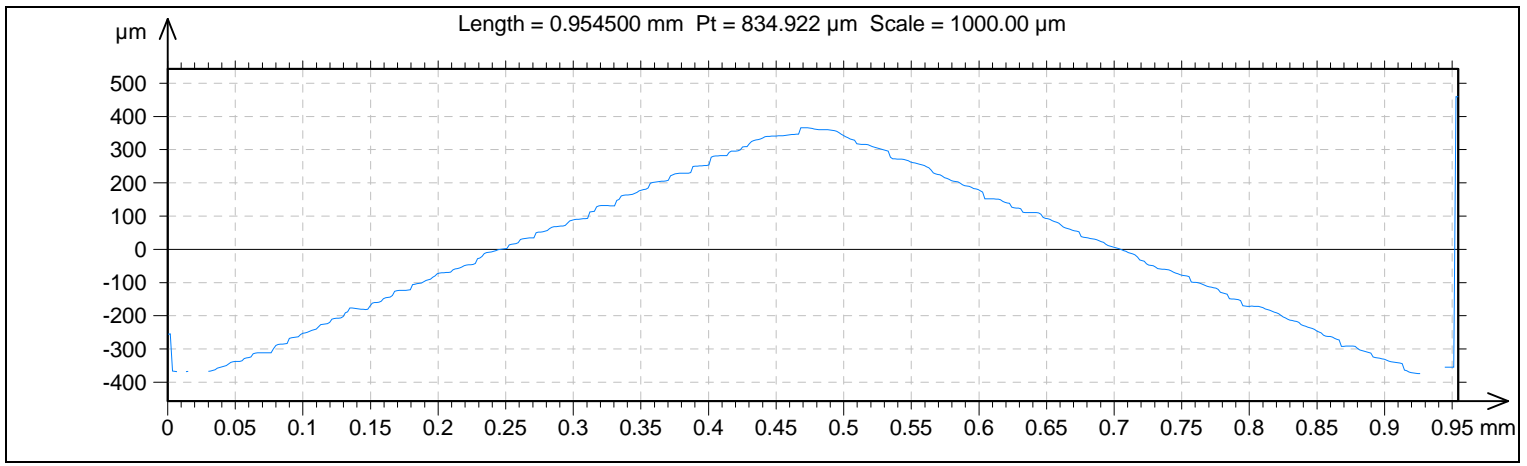
**5.4.2 MEDICIONES EN ELECTRODOS CON FORMA DE CUÑA A 60°**

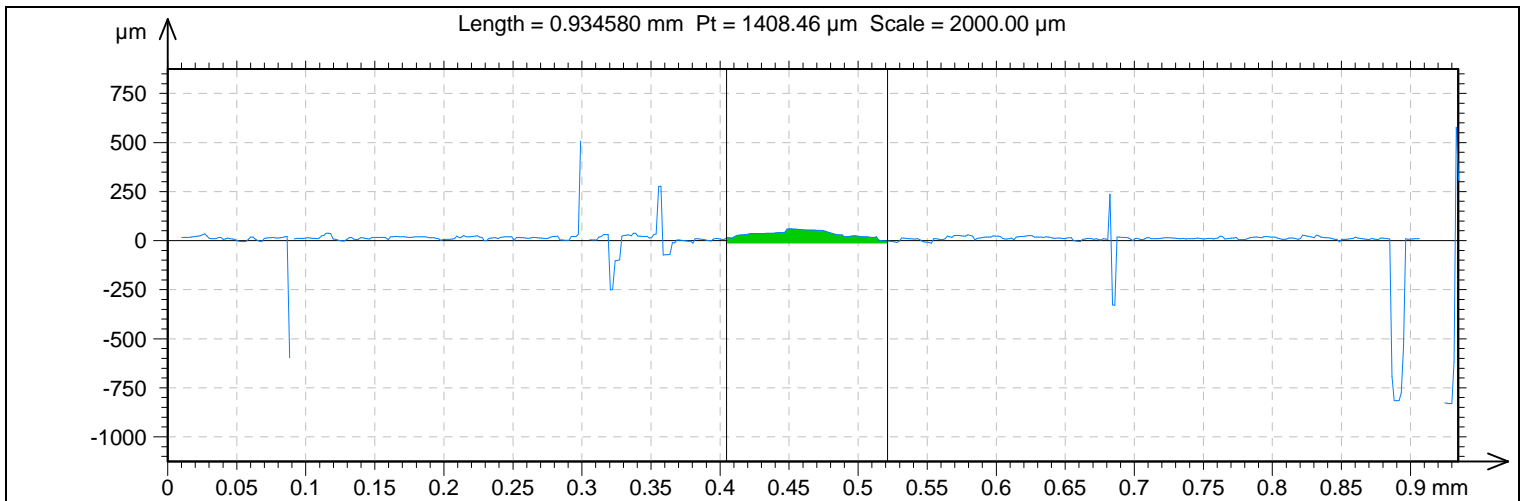
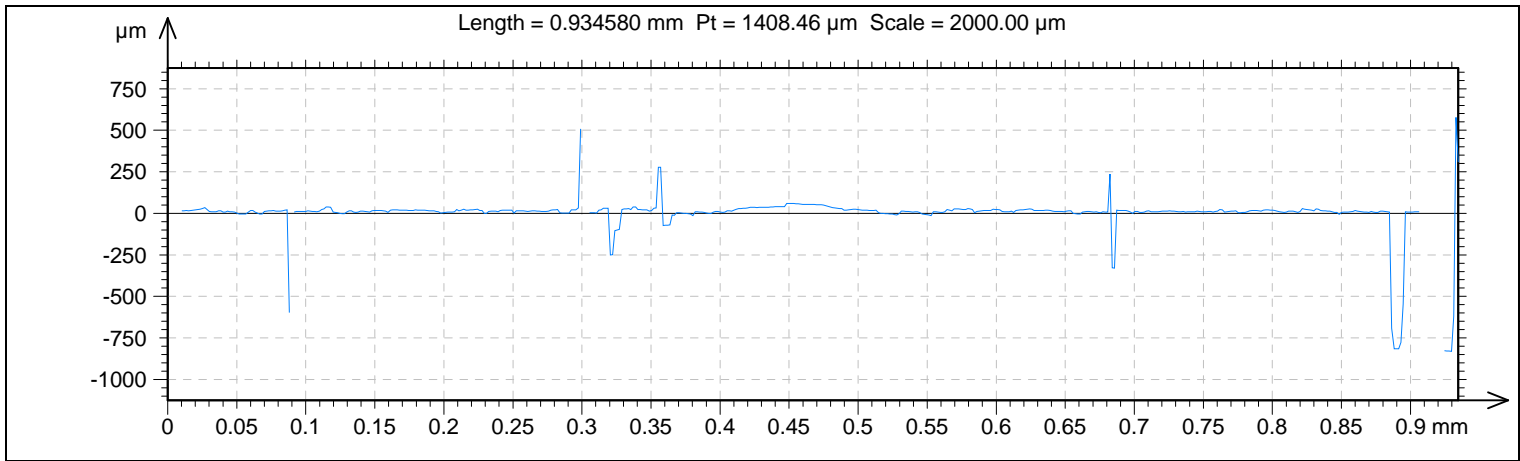
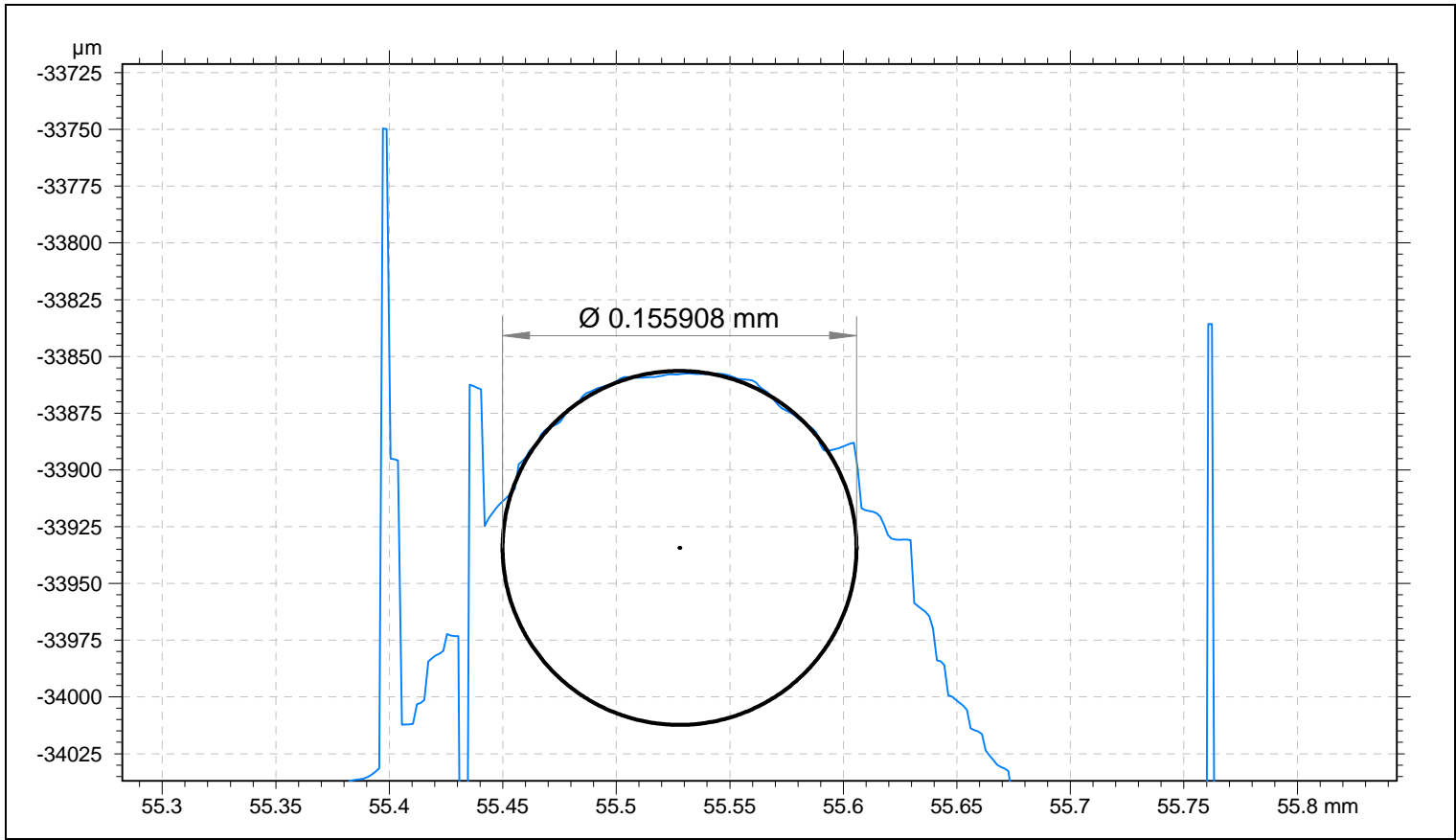
A continuación se mostrarán las mediciones correspondientes a los ensayos realizados con electrodos con forma de cuña a 60°.

Las mediciones que se adjuntan a continuación son las obtenidas mediante el empleo del software LEICAMAPS. En las mismas se encuentran detalladas todas las mediciones realizadas para cada uno de los ensayos.



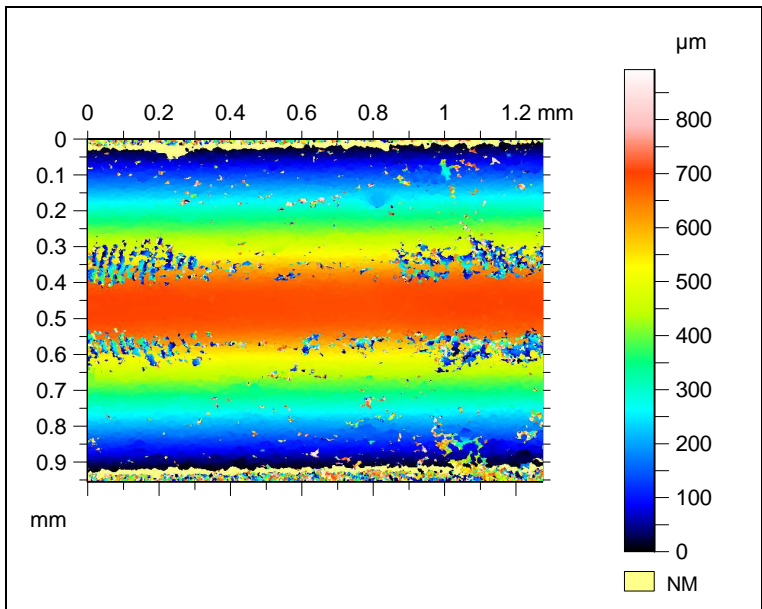
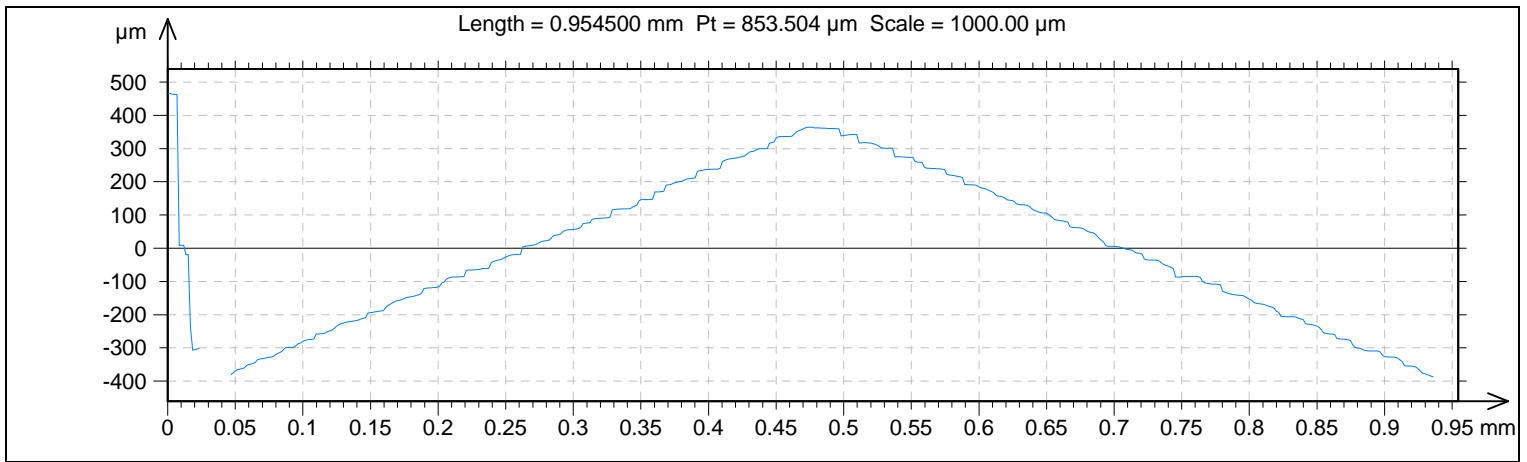
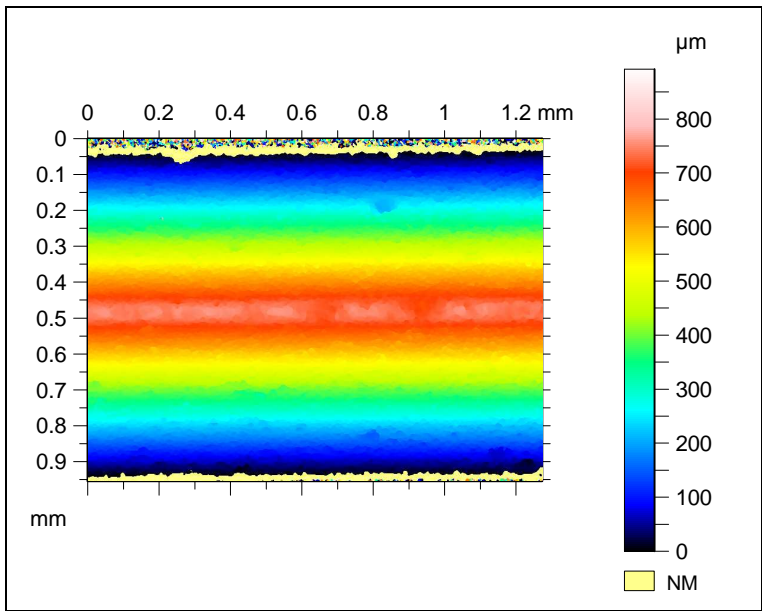


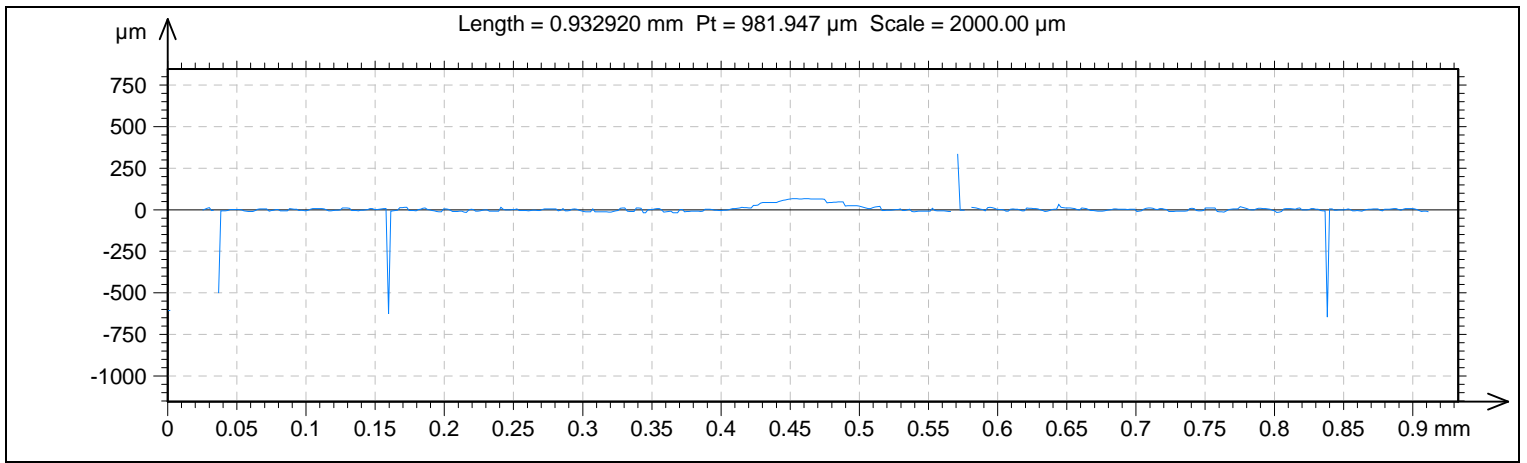
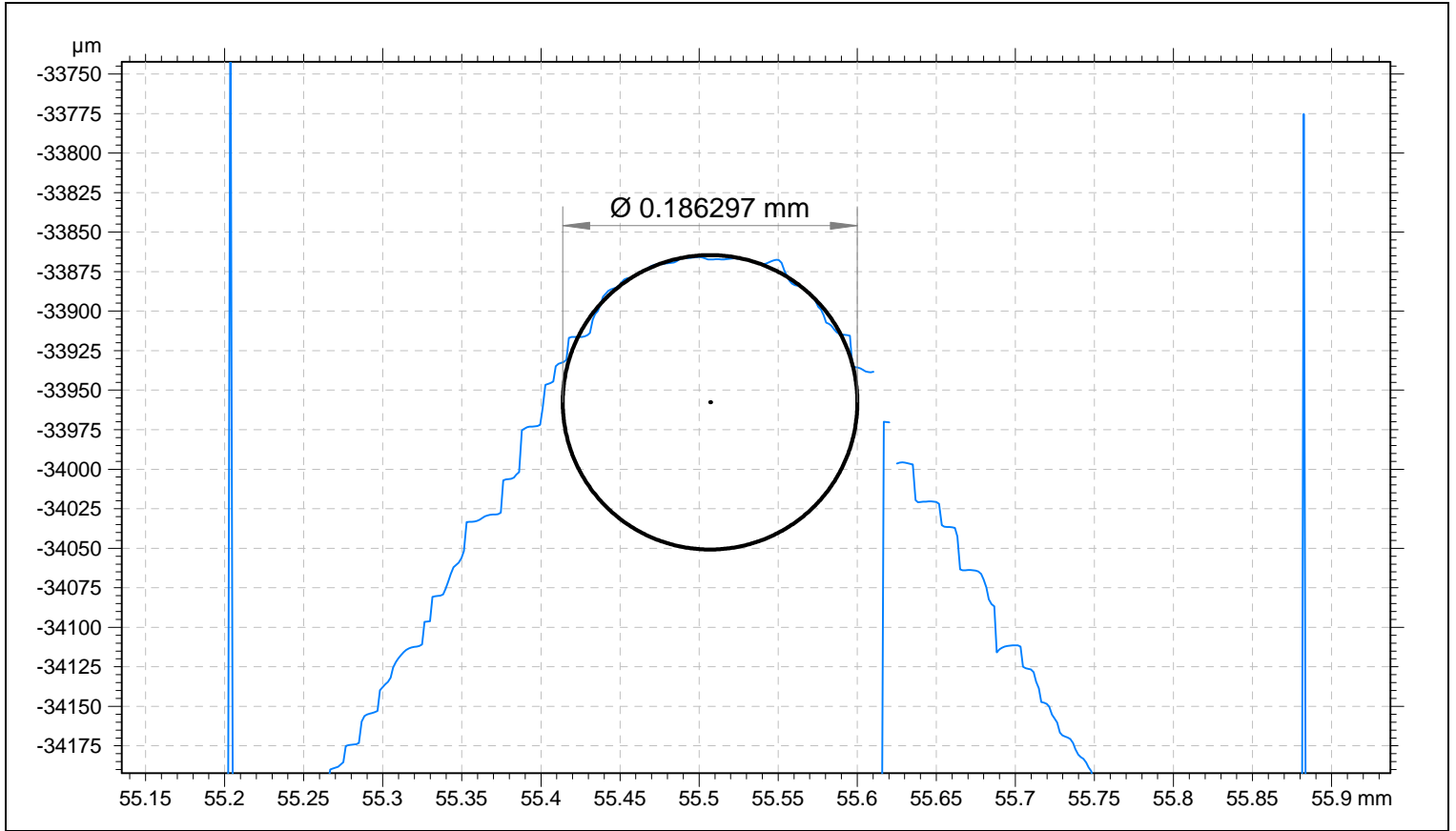
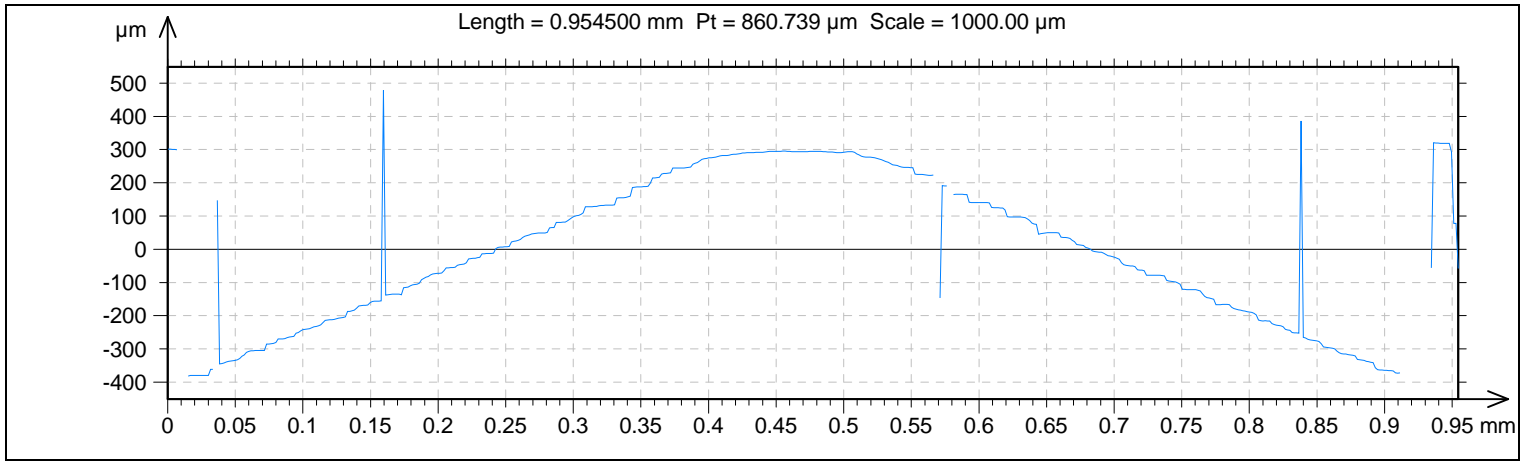


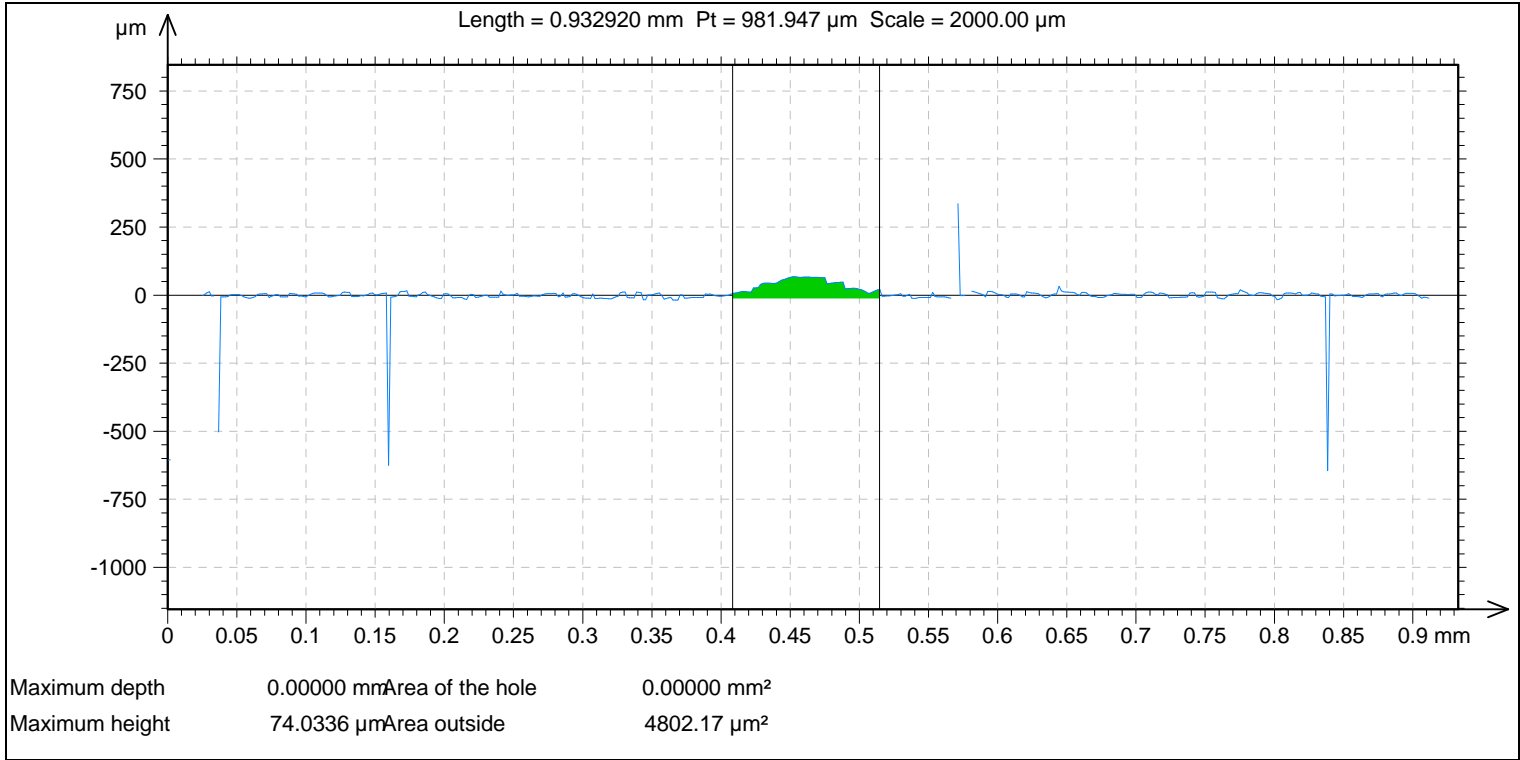


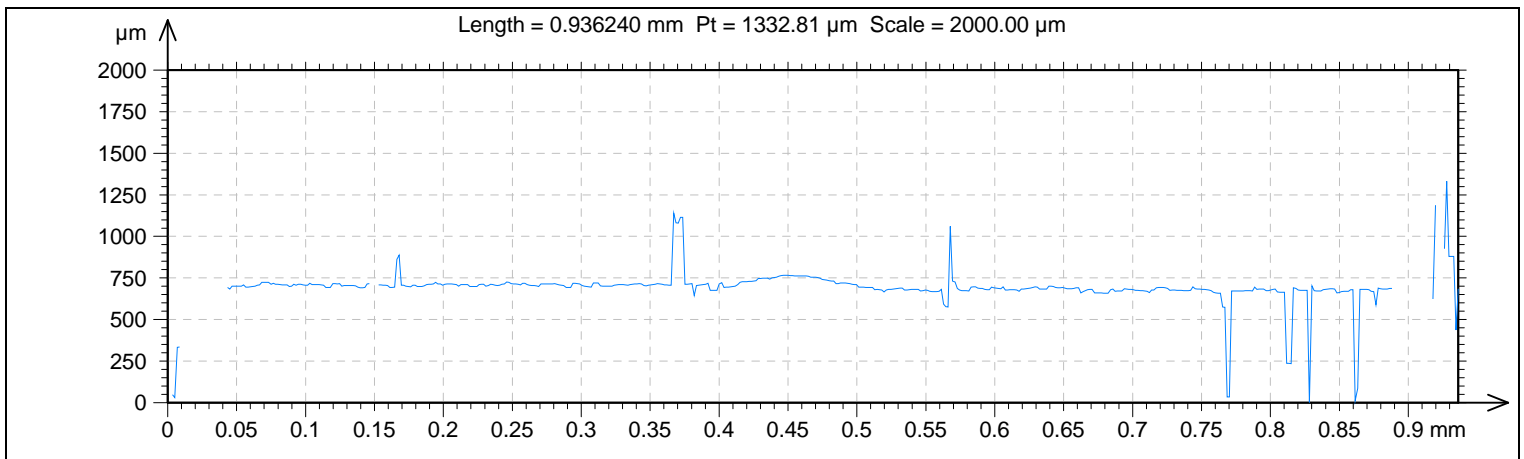
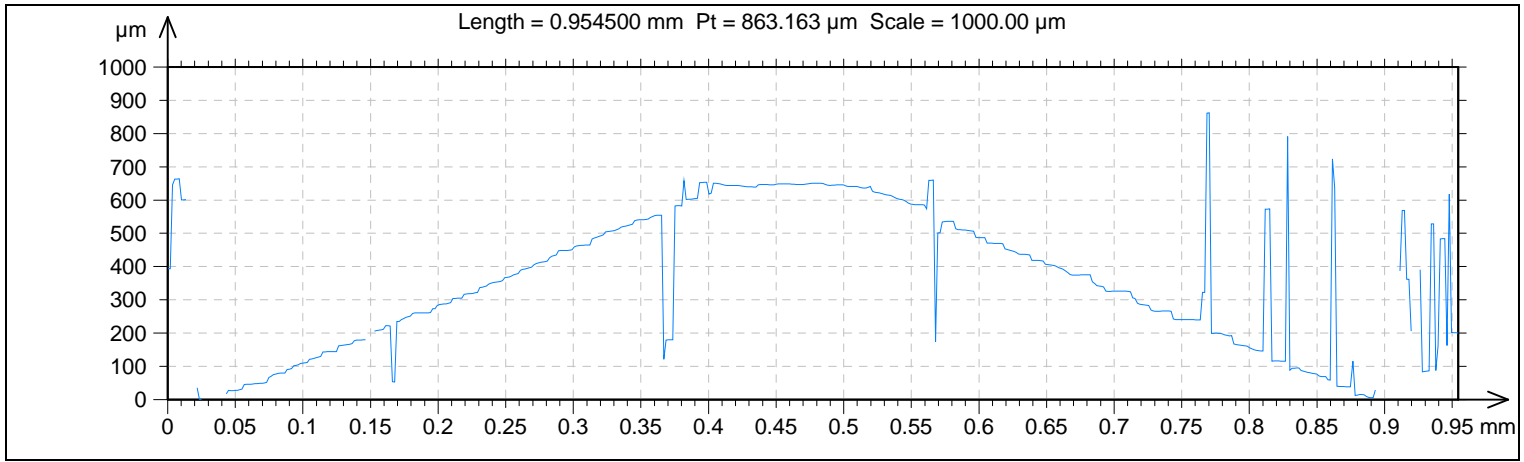
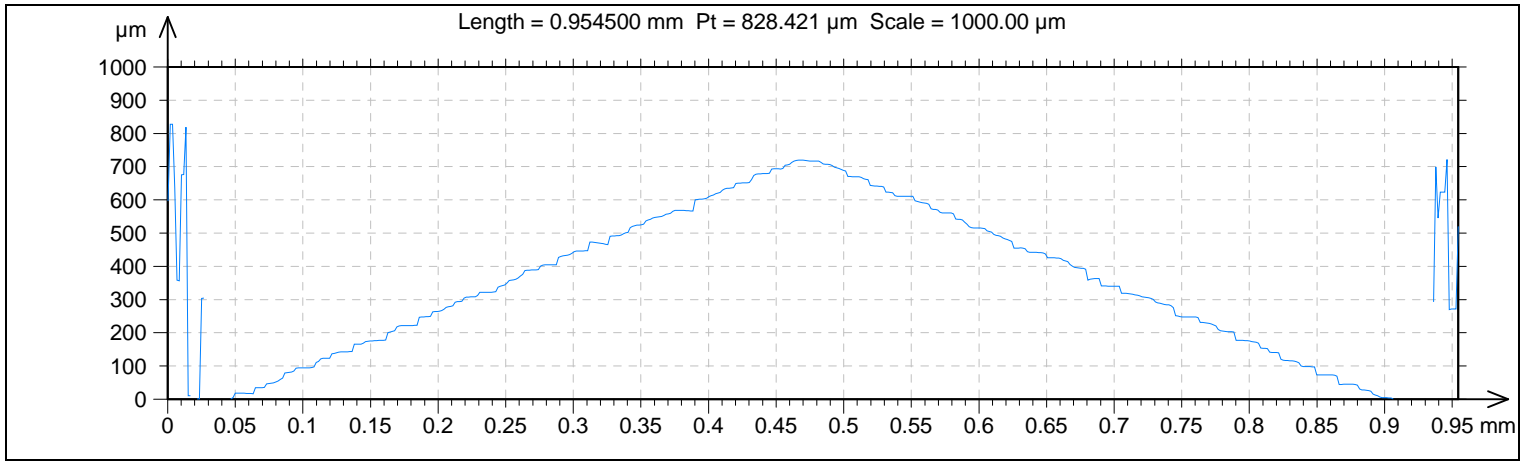
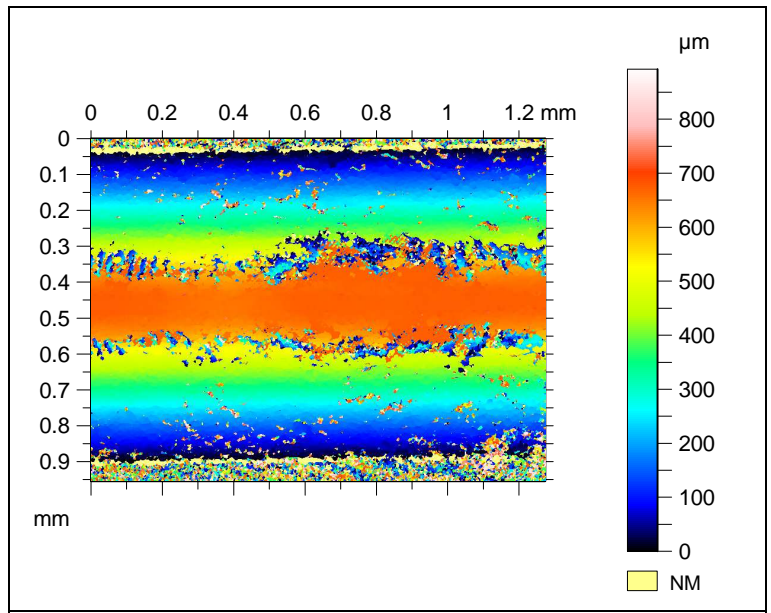
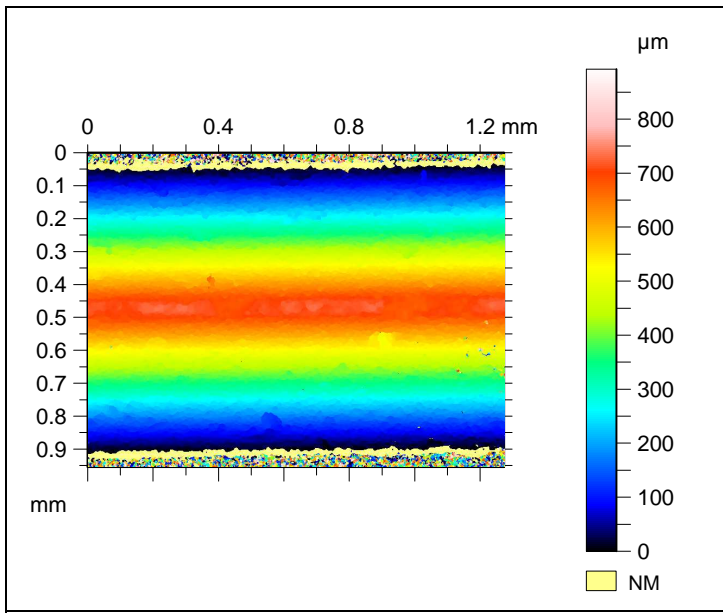
Maximum depth	0.00000 mm	Area of the hole	0.00000 mm <sup>2</sup>
Maximum height	65.9353 µm	Area outside	4649.66 µm <sup>2</sup>

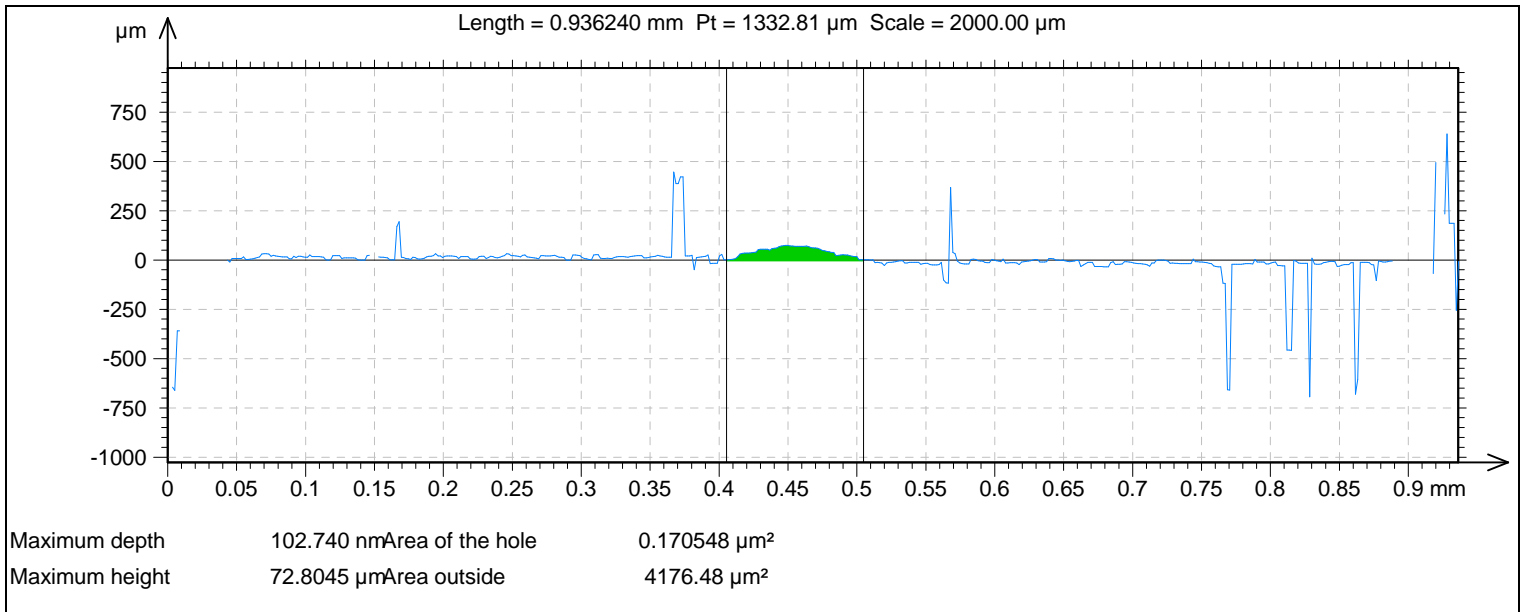
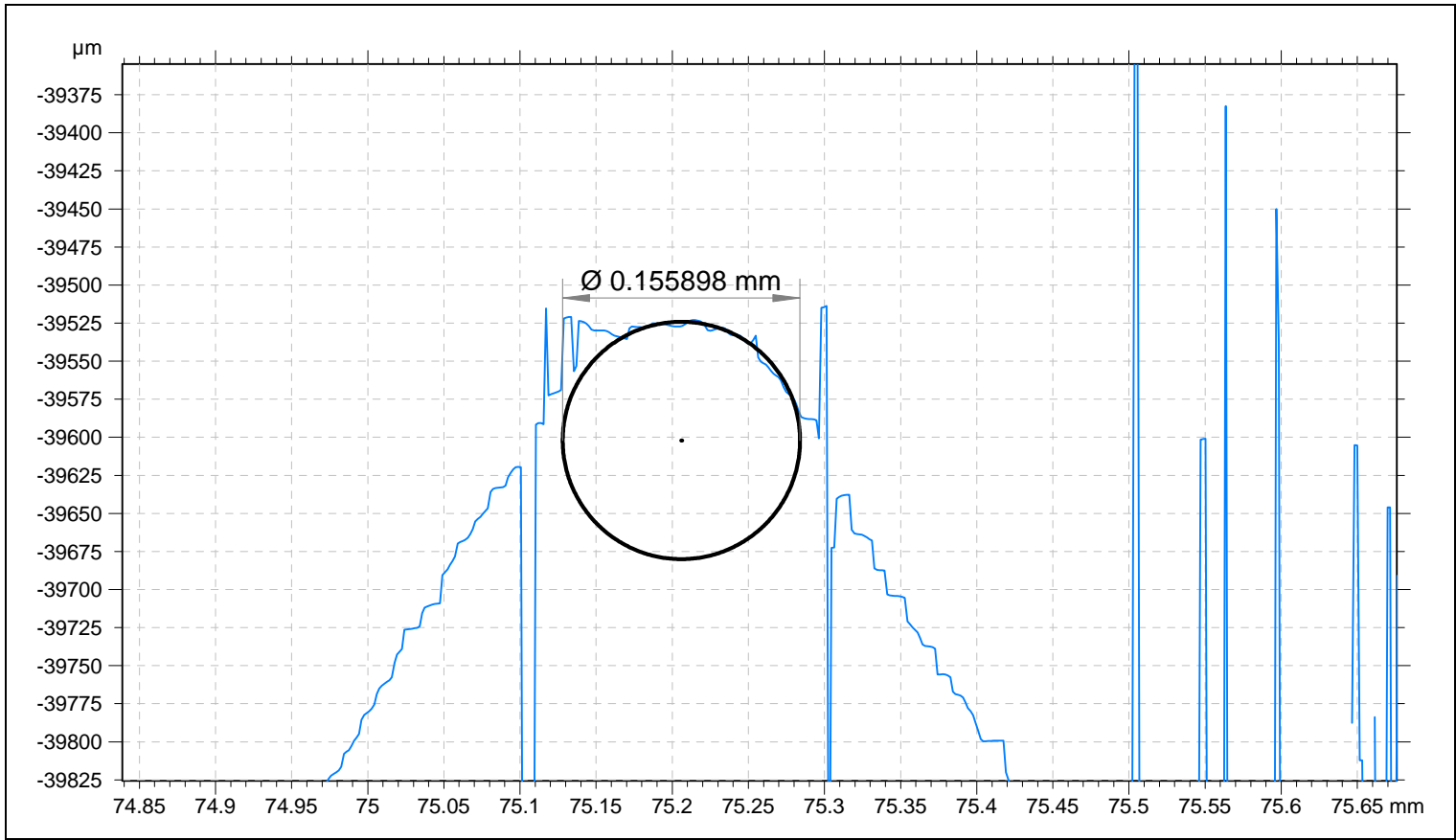


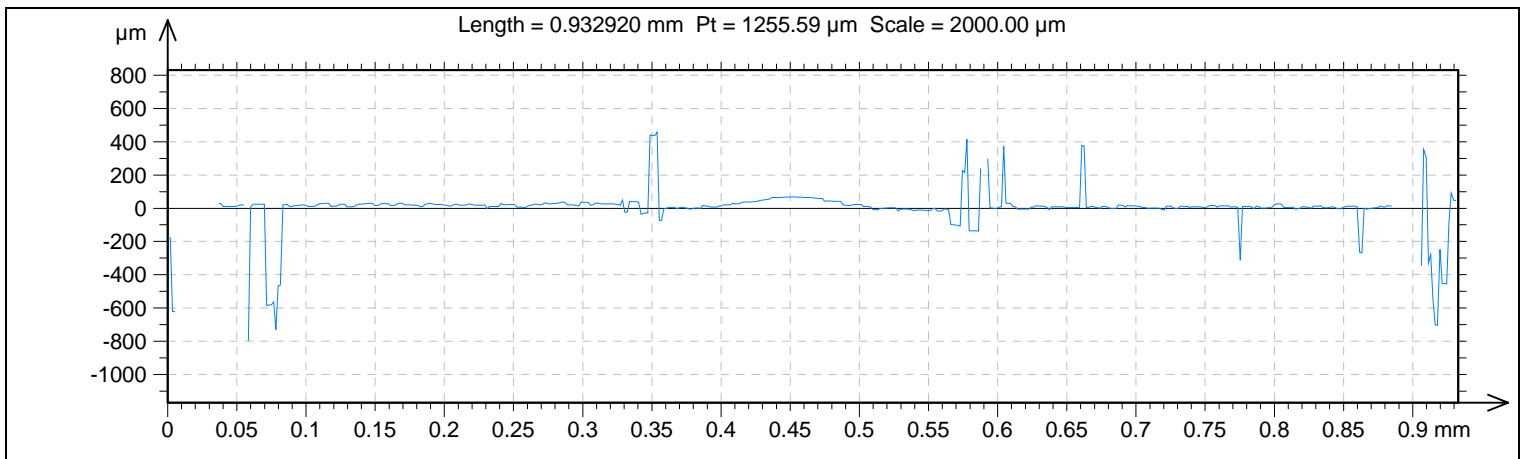
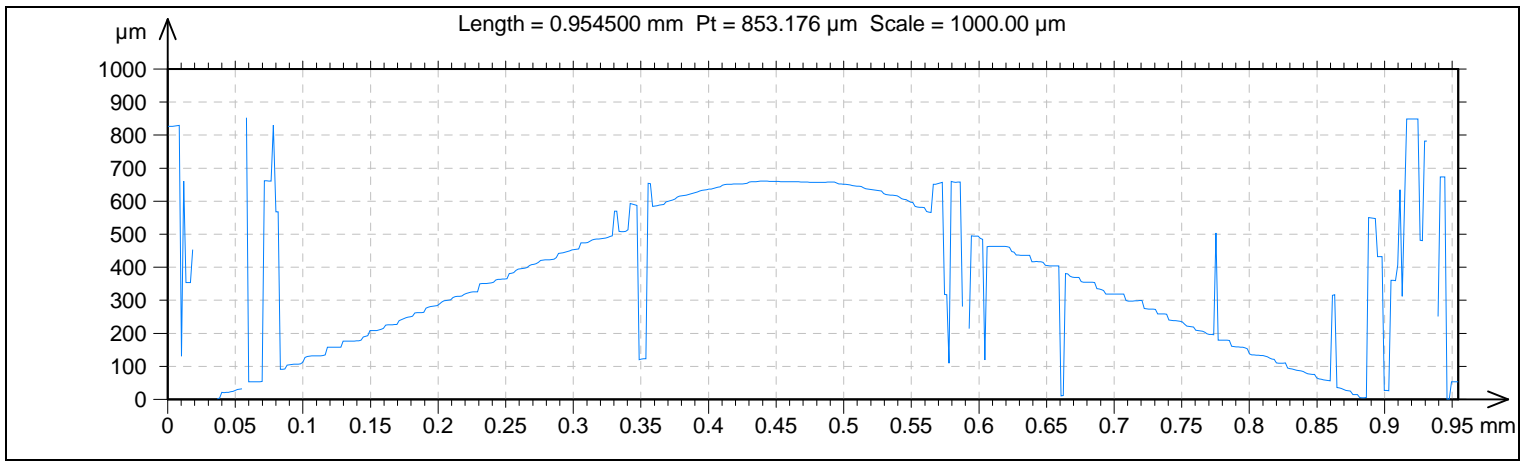
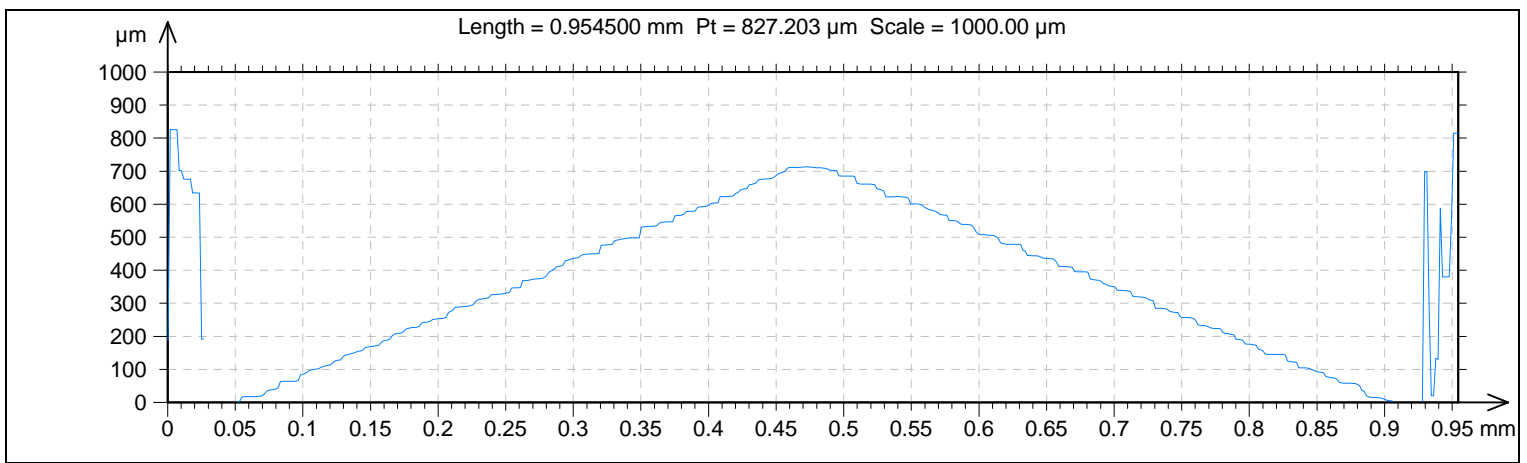
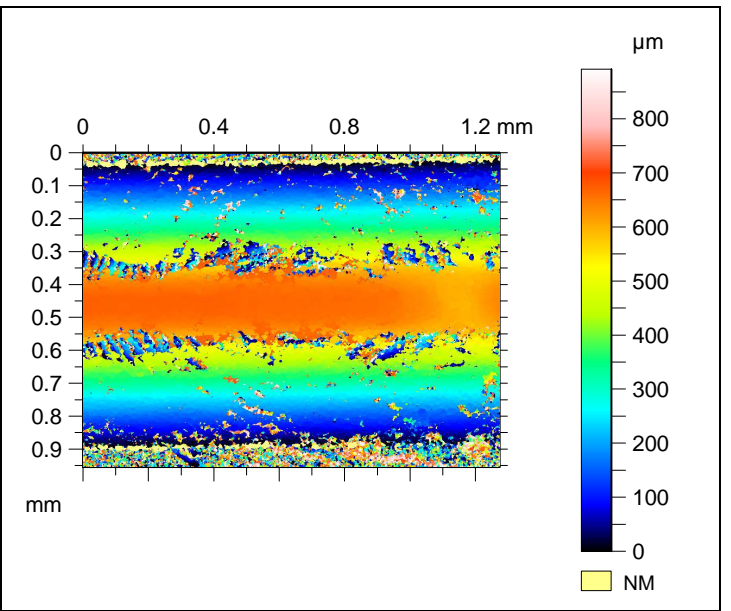
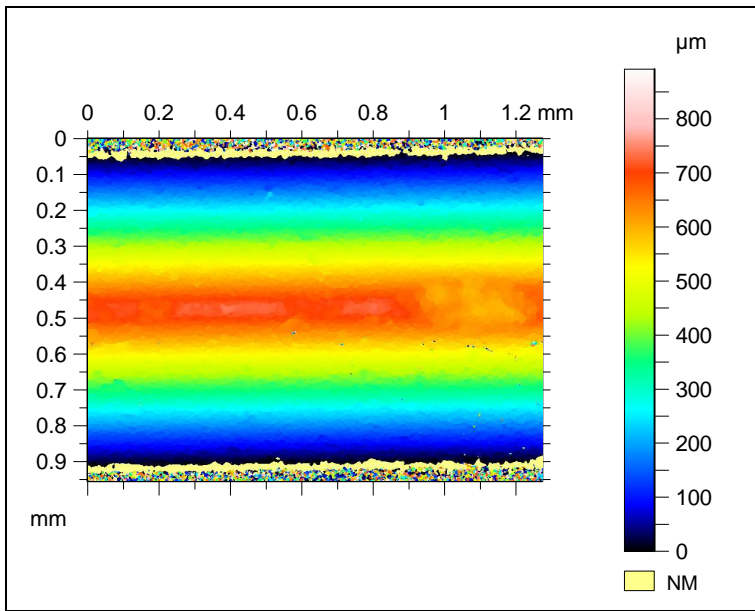


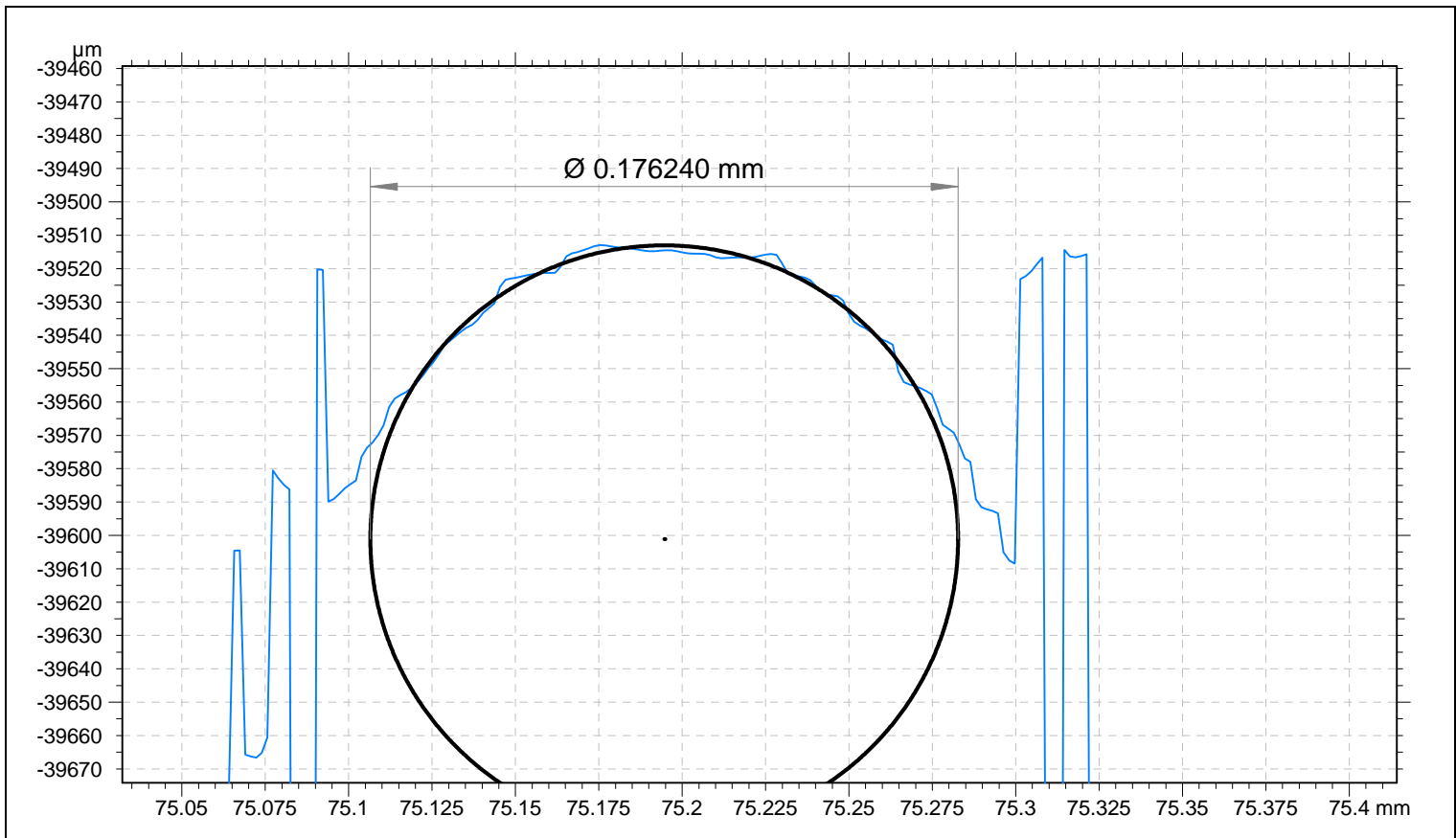
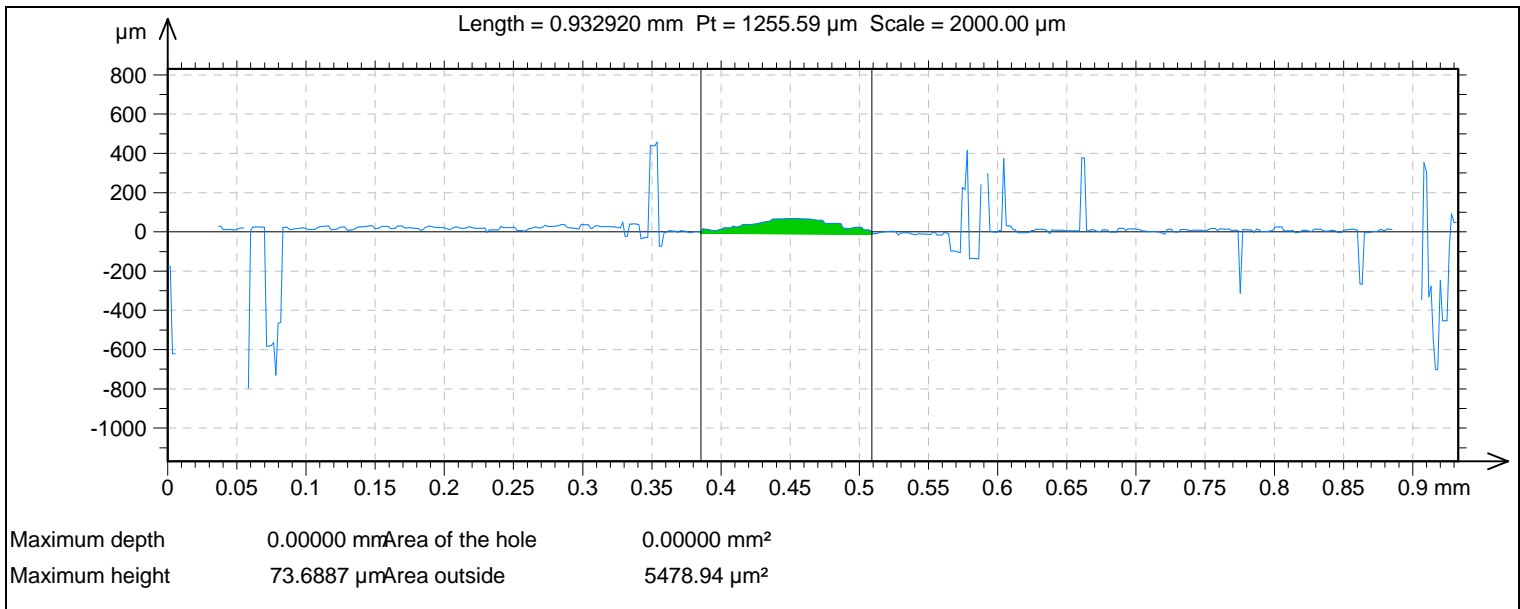


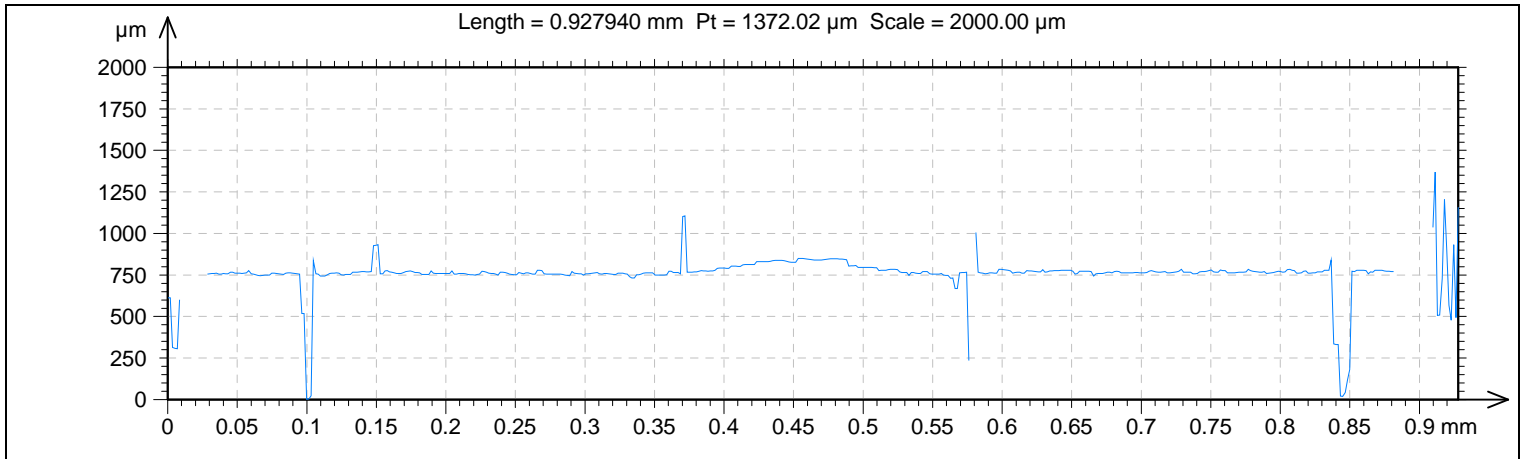
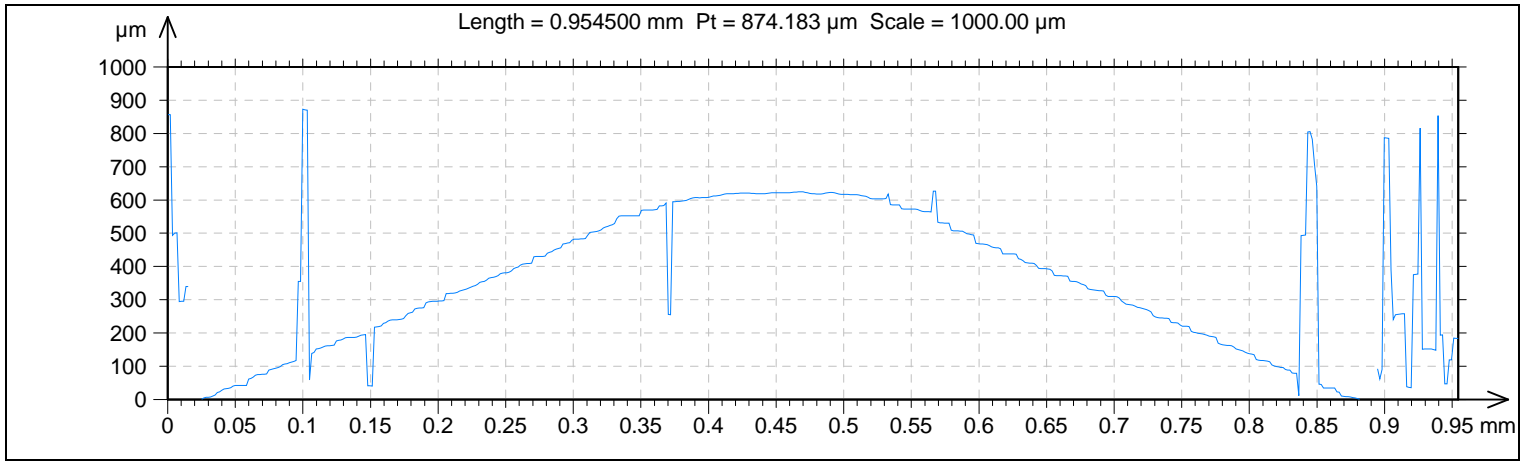
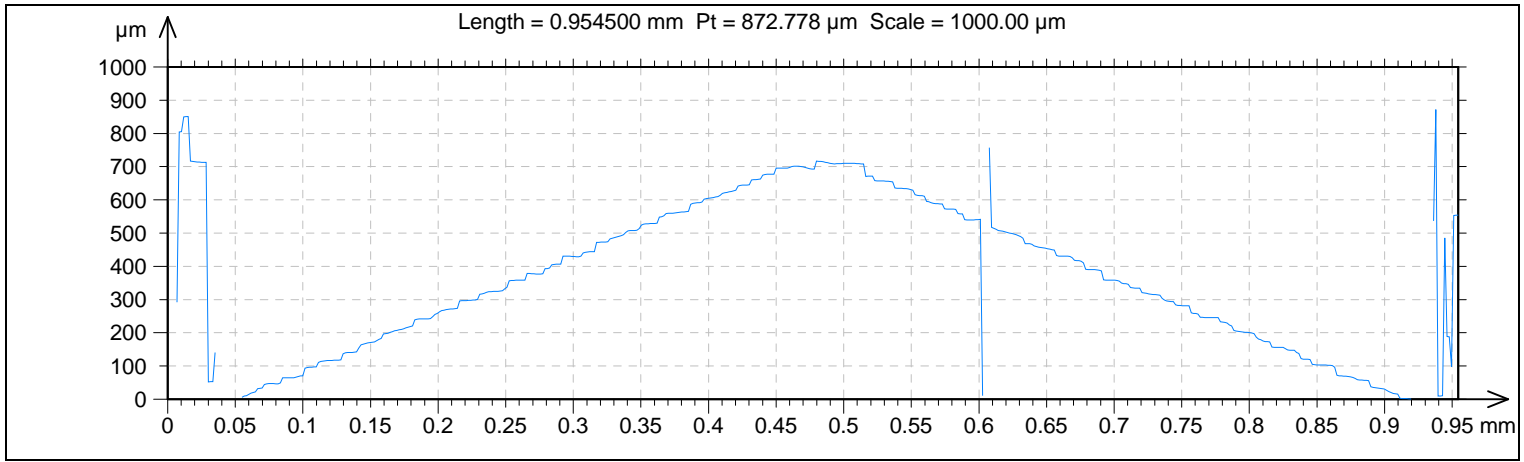
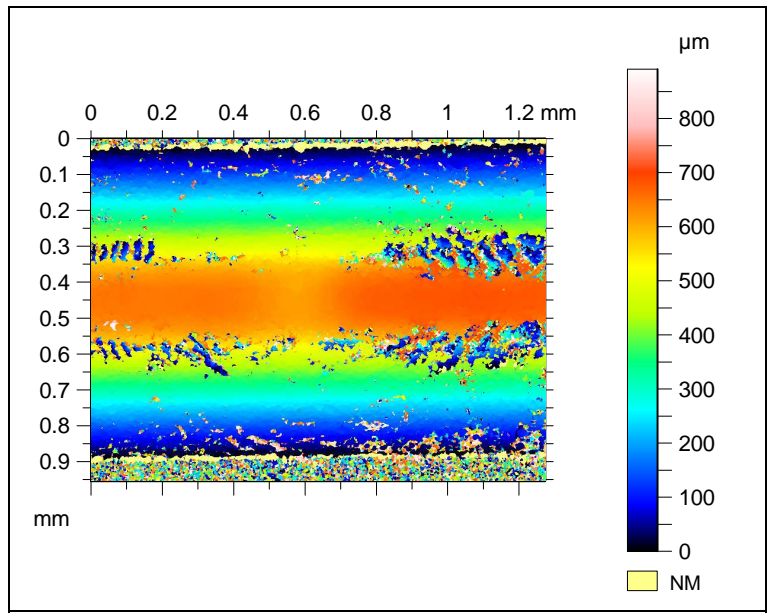
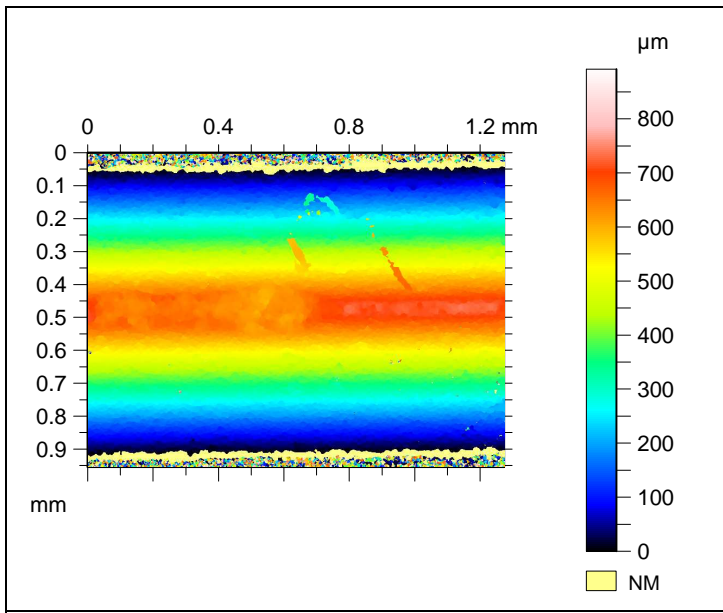




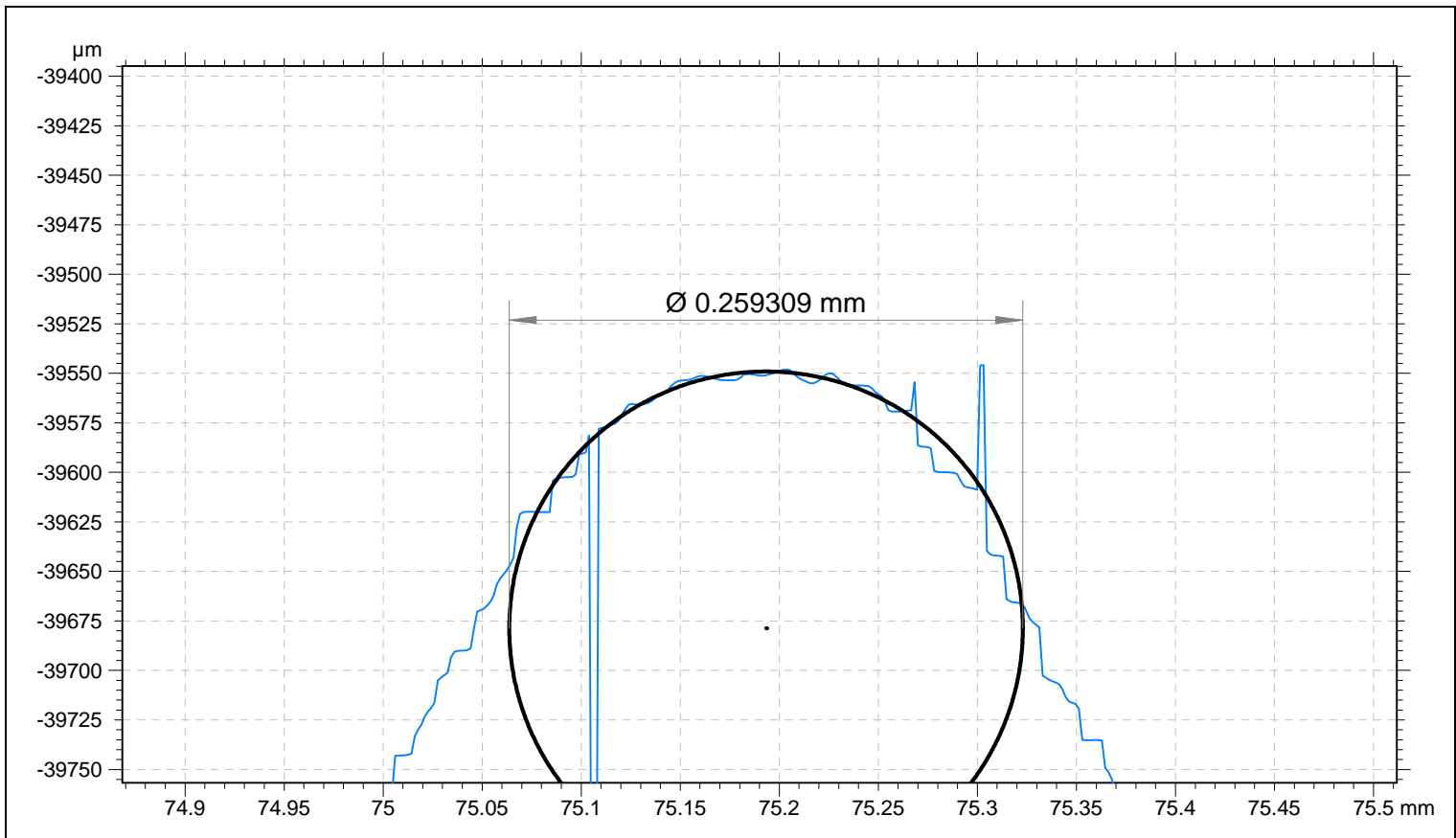
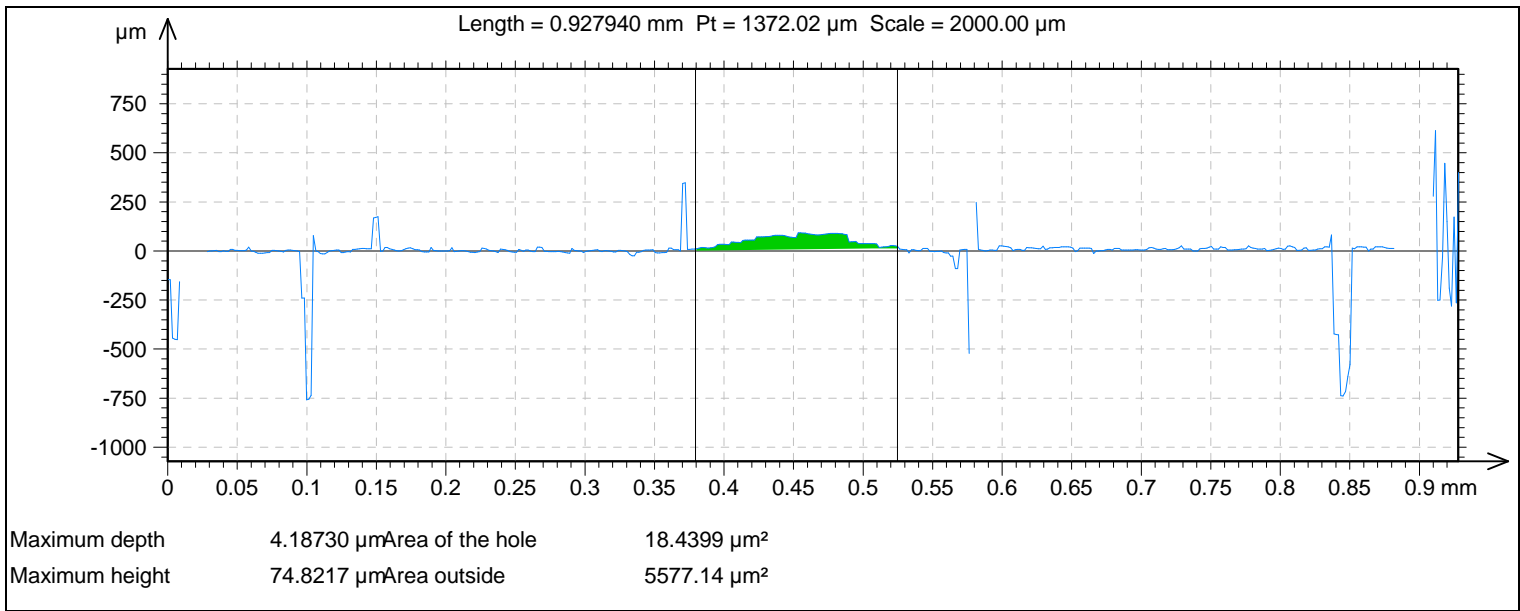


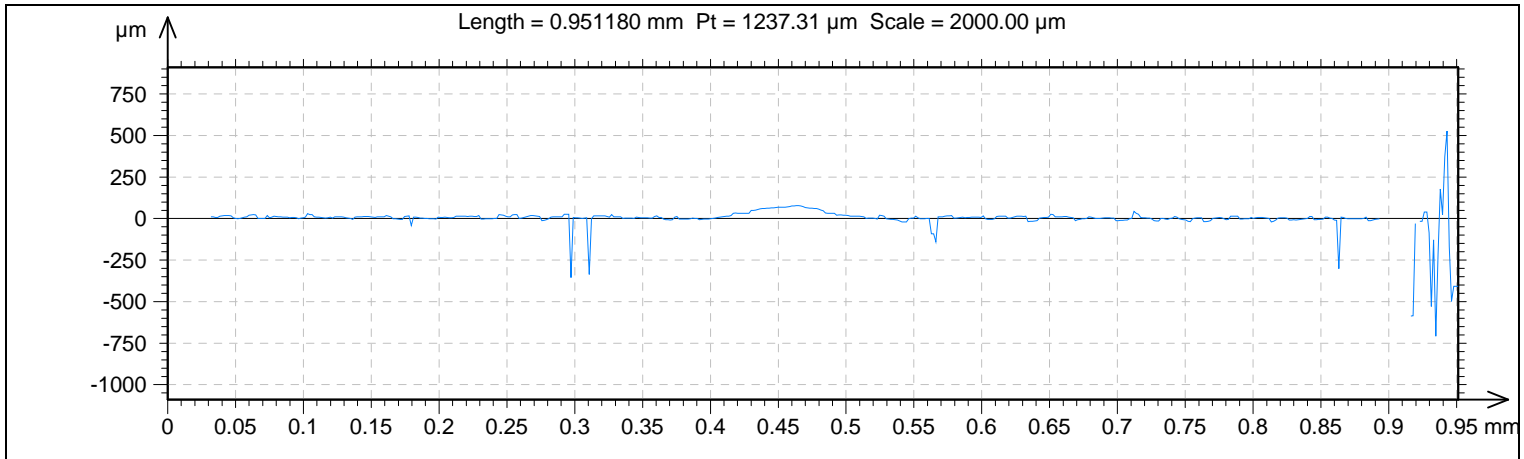
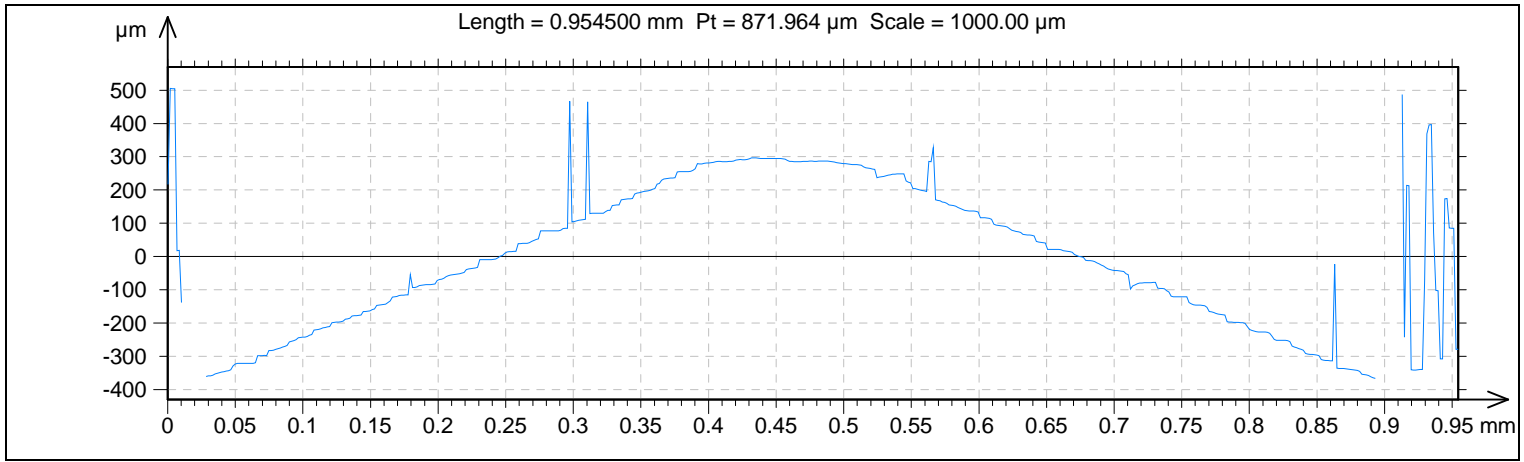
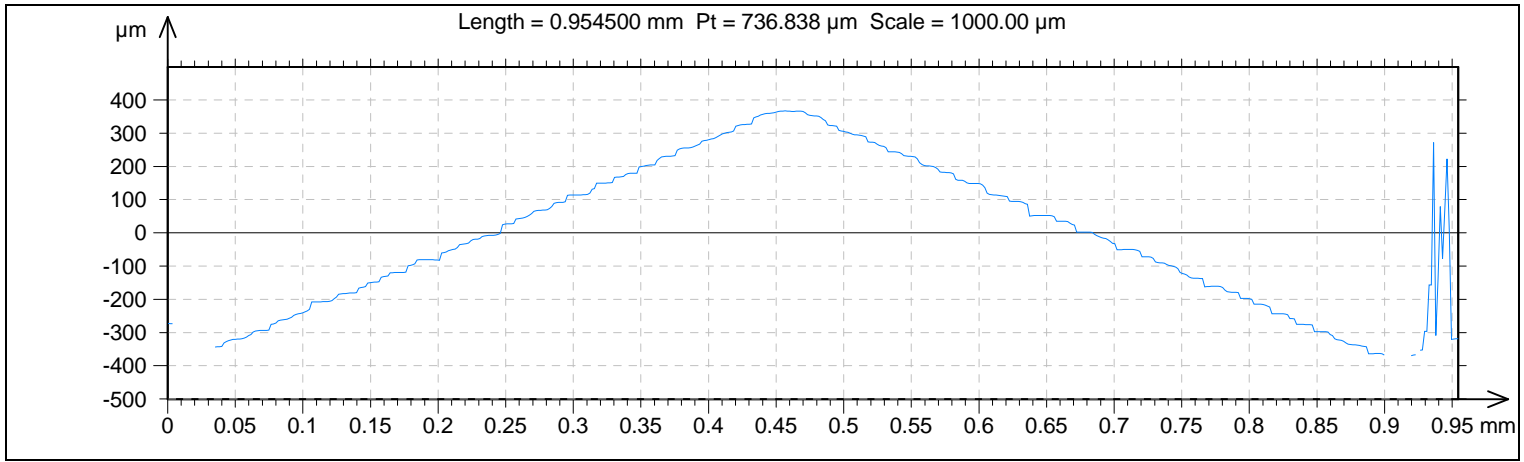
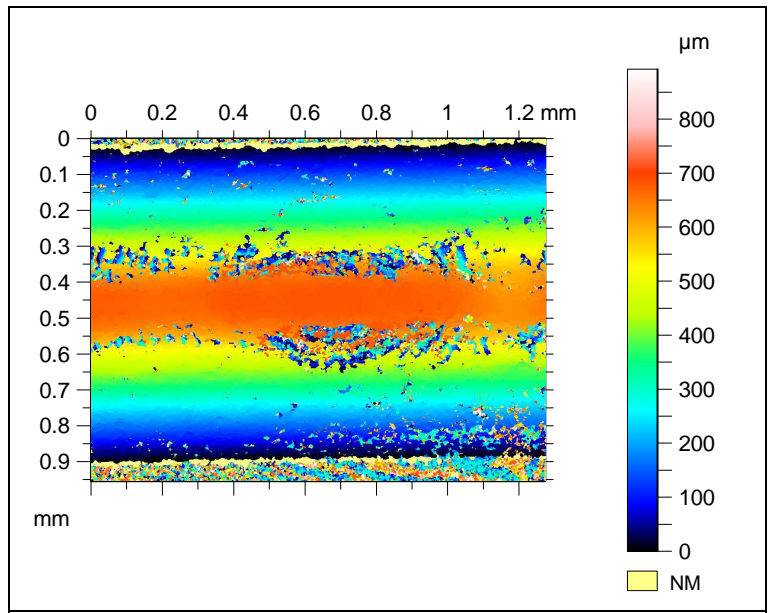
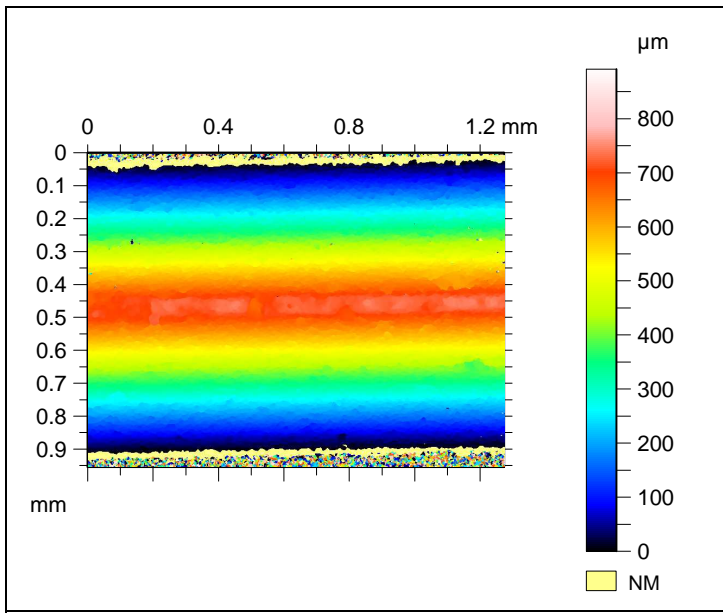


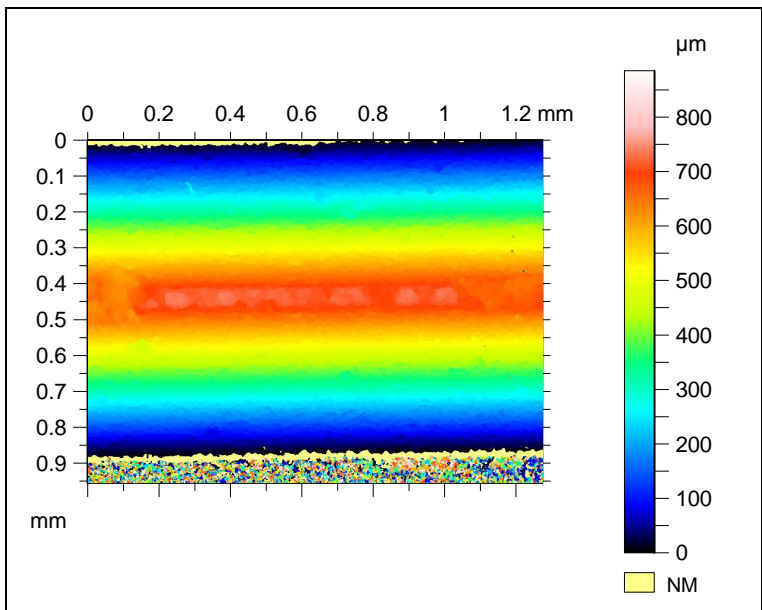
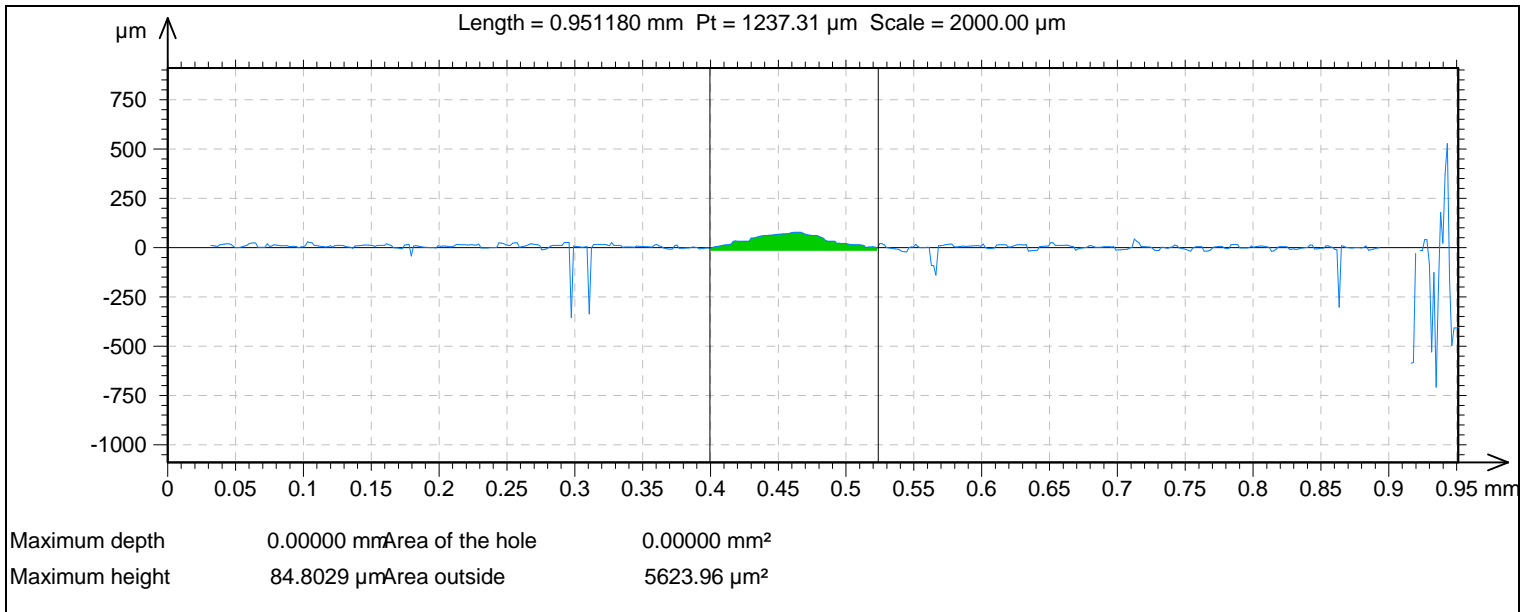
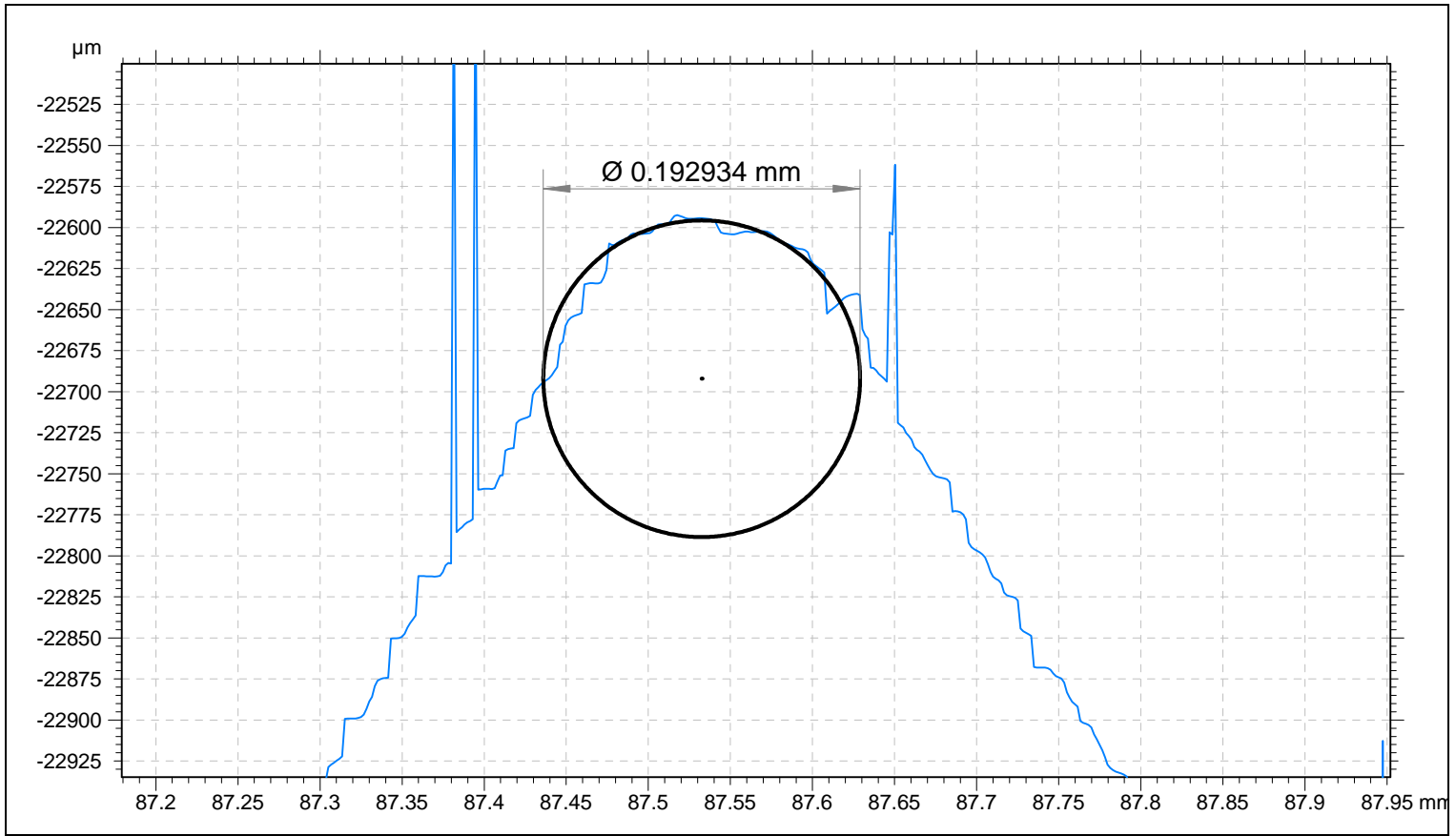


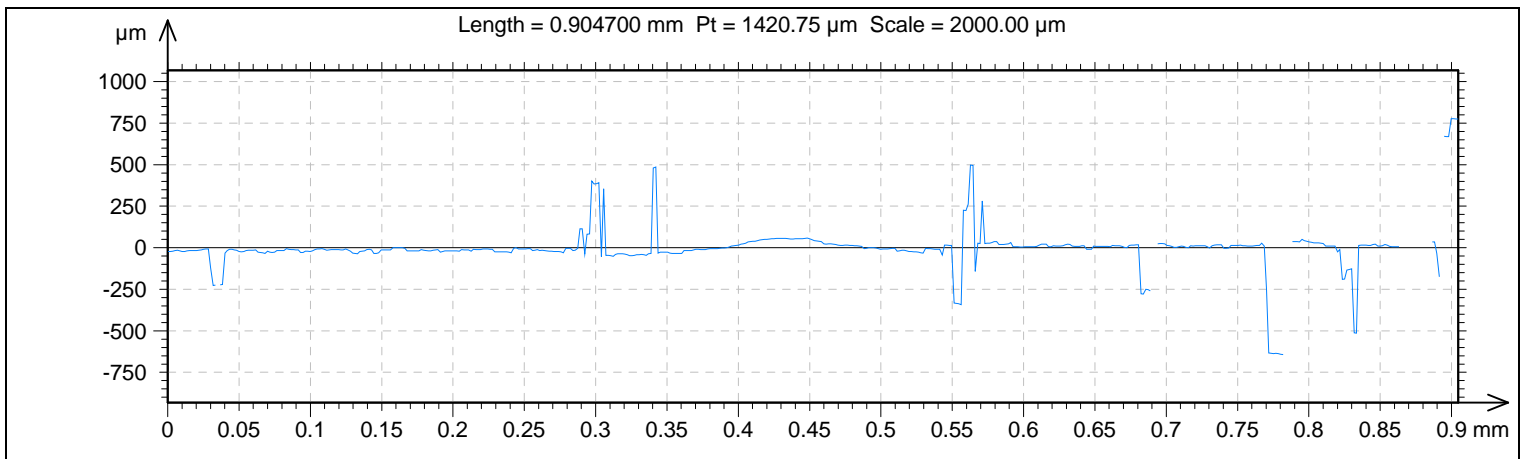
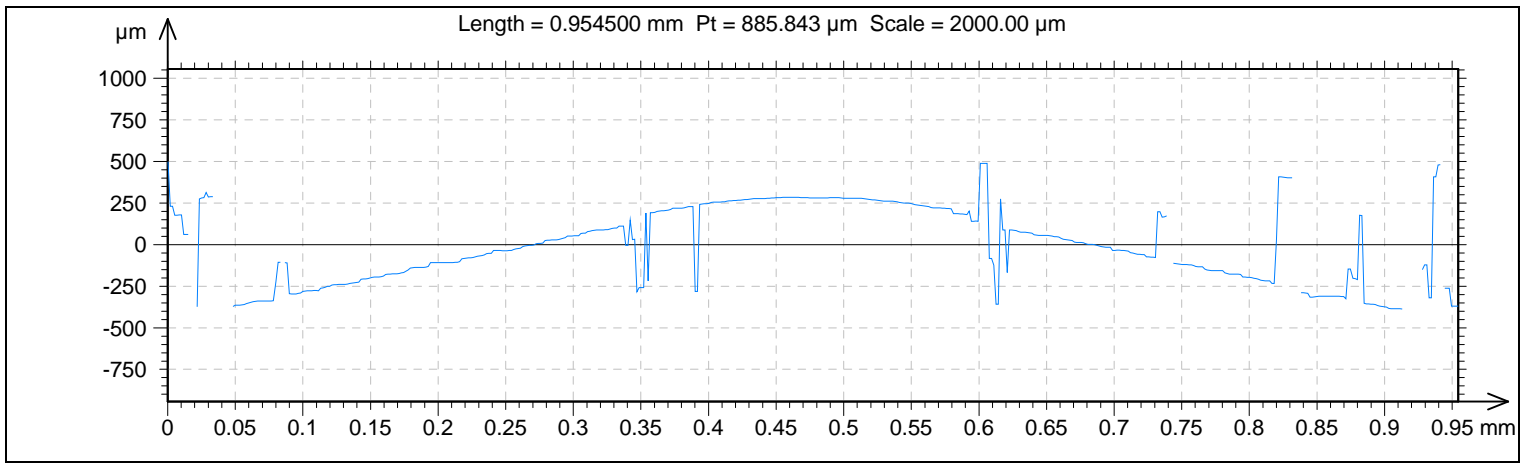
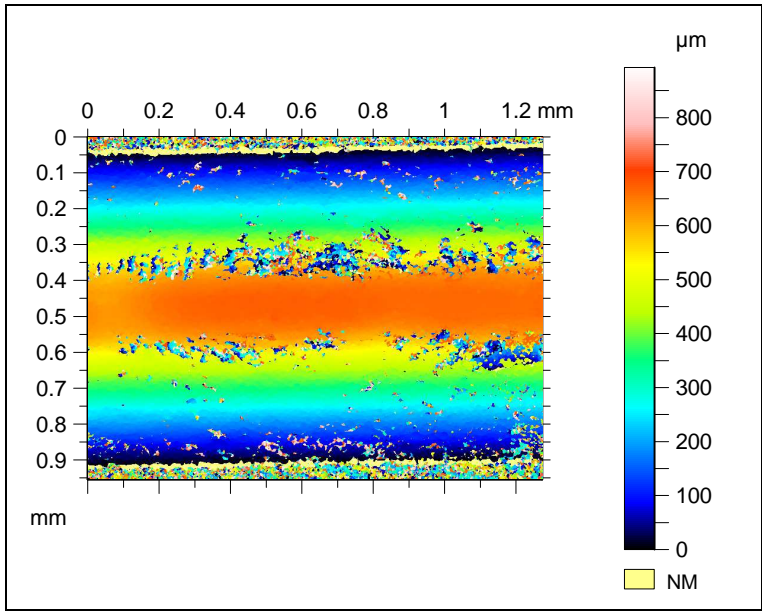
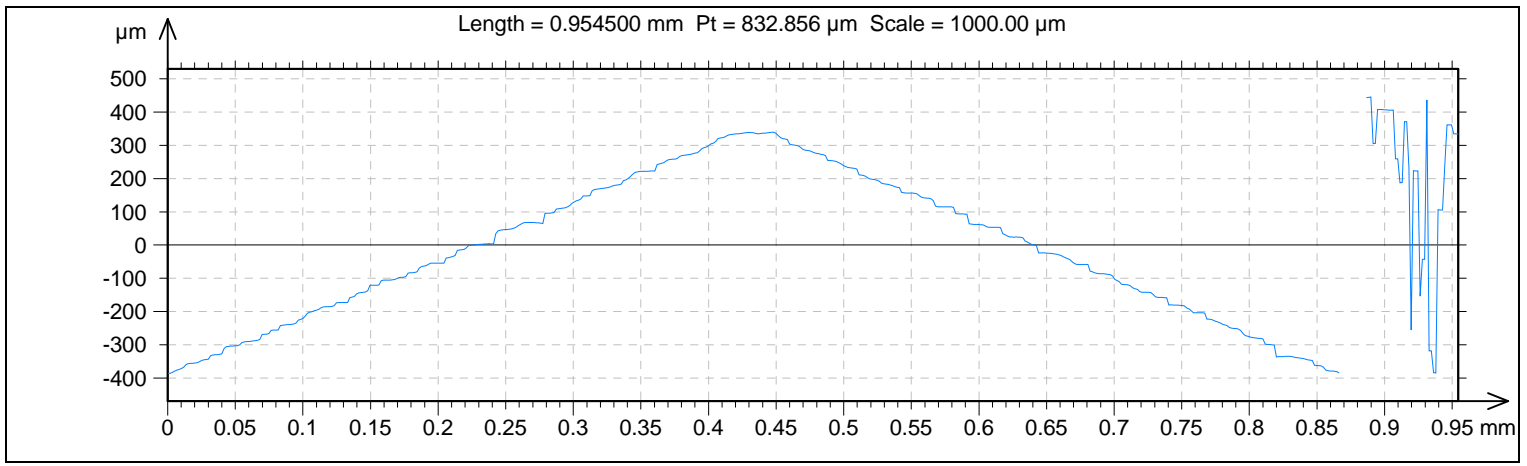


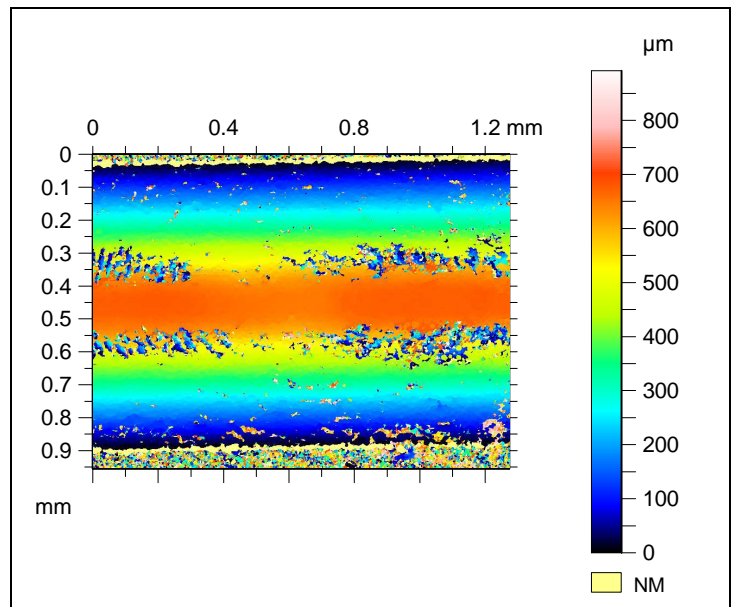
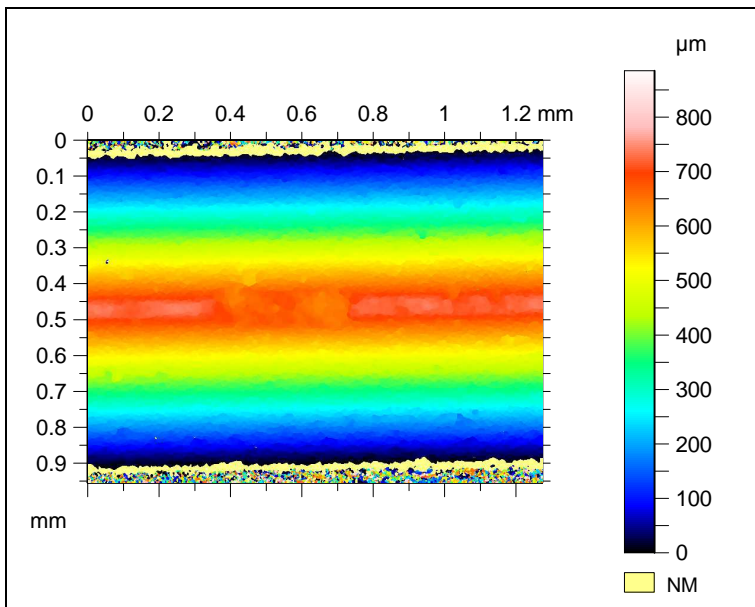
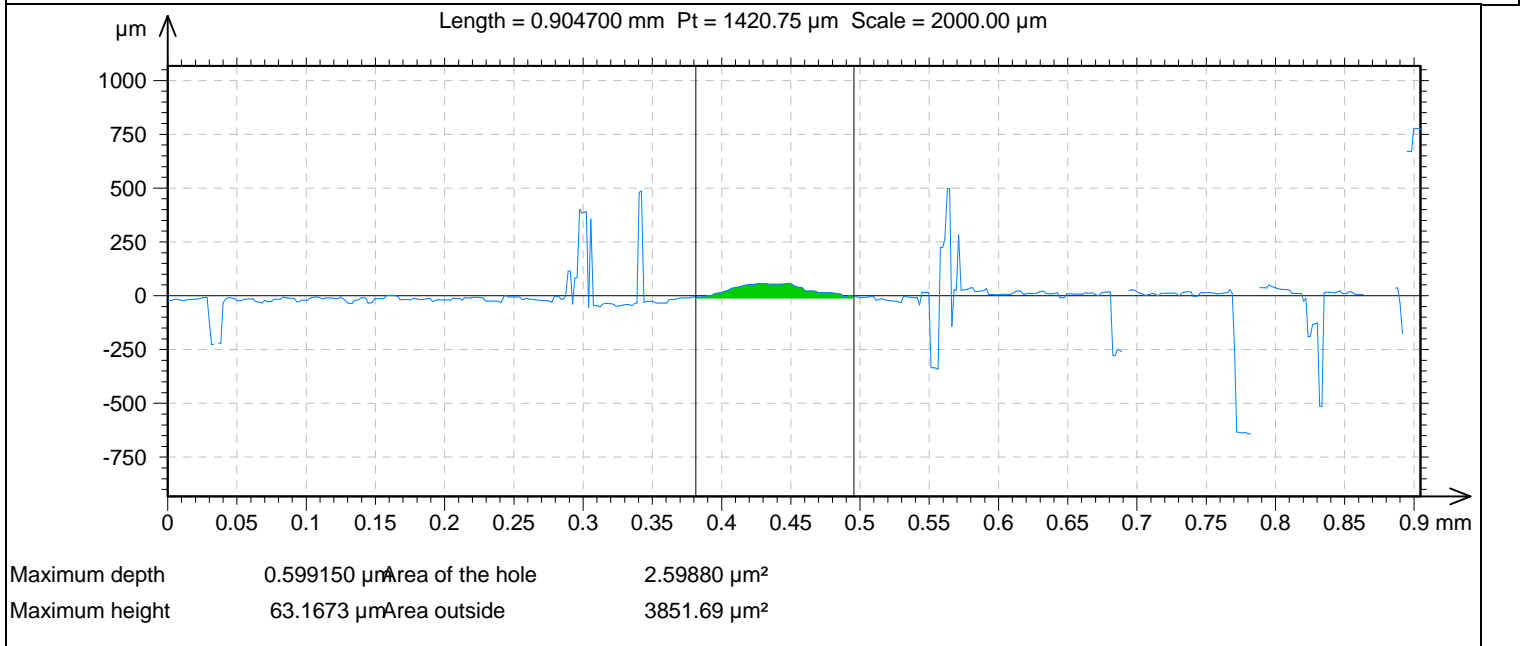
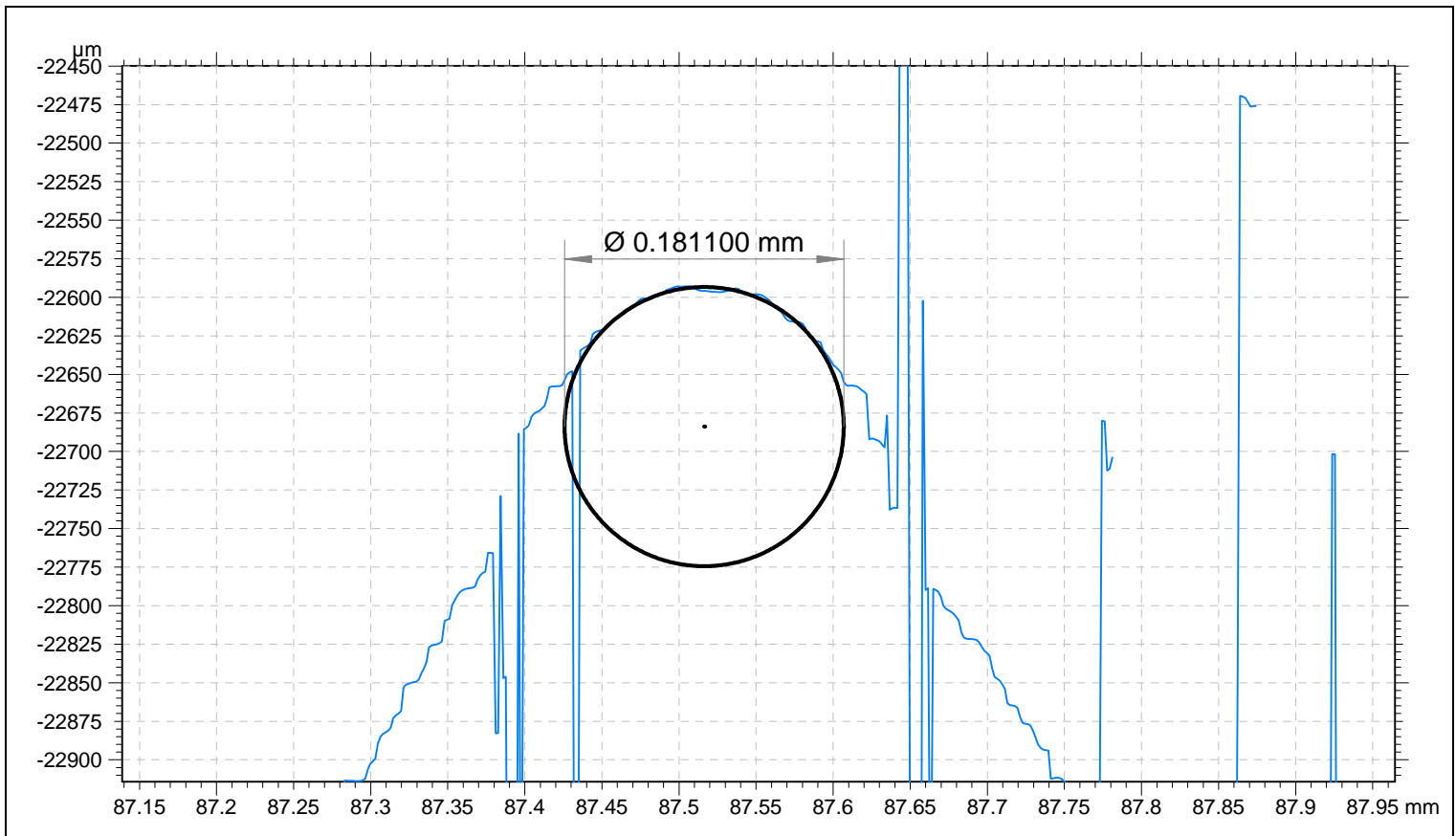


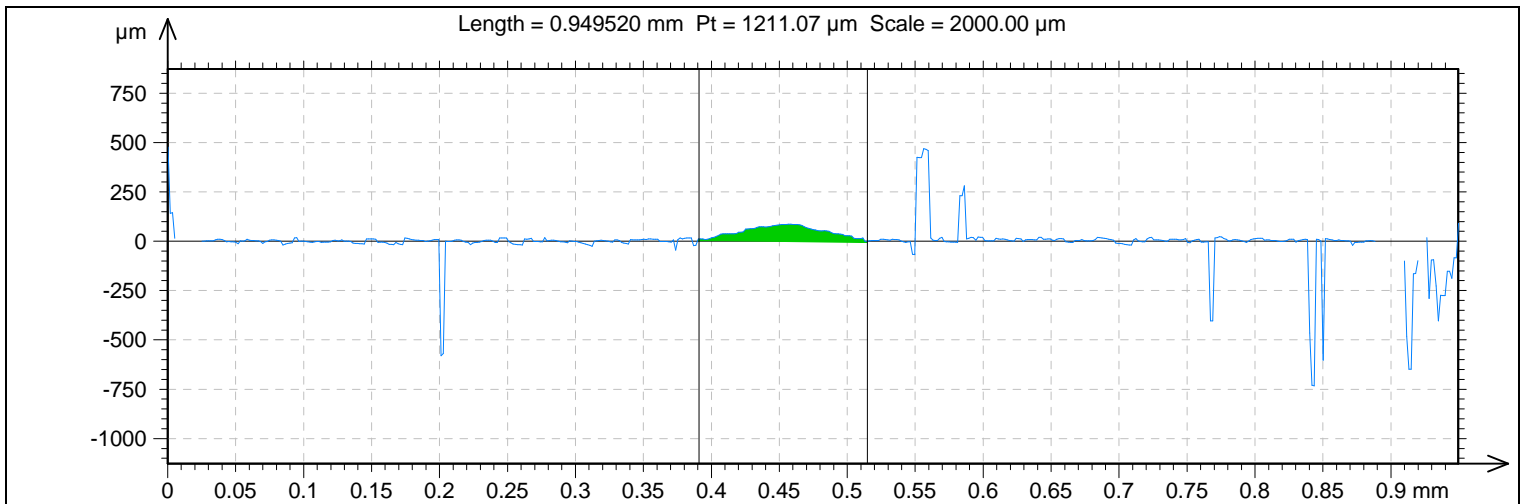
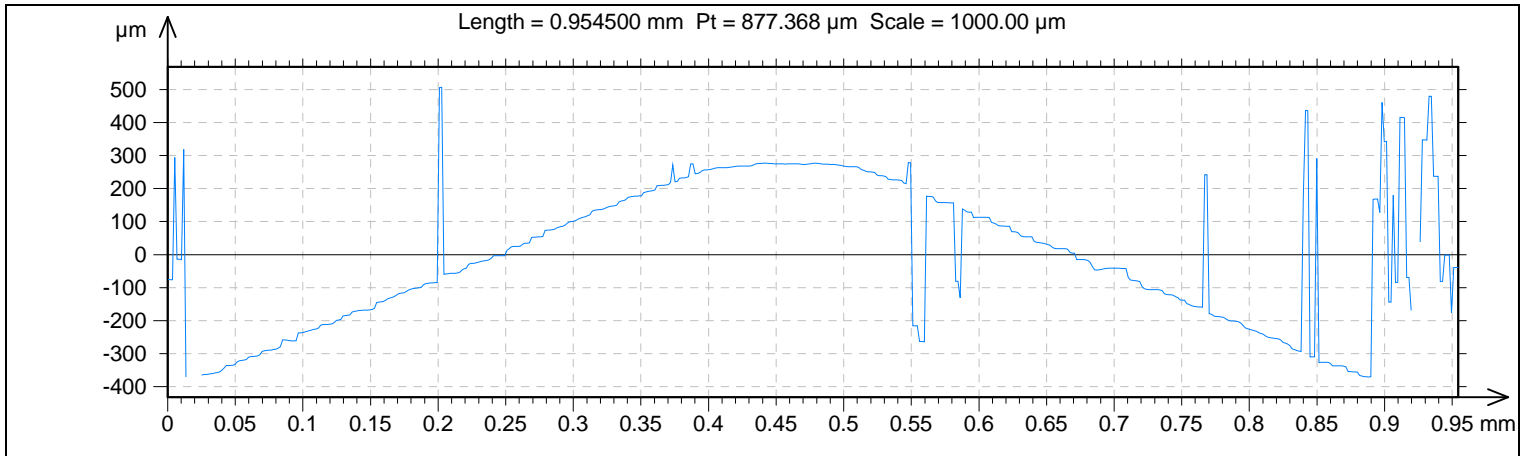
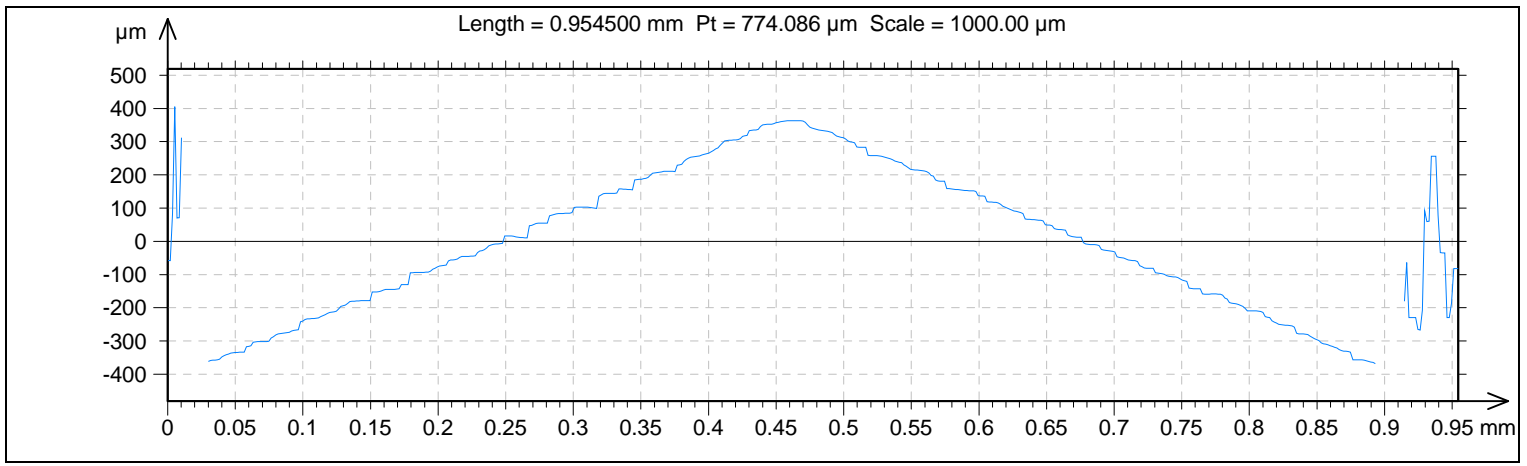




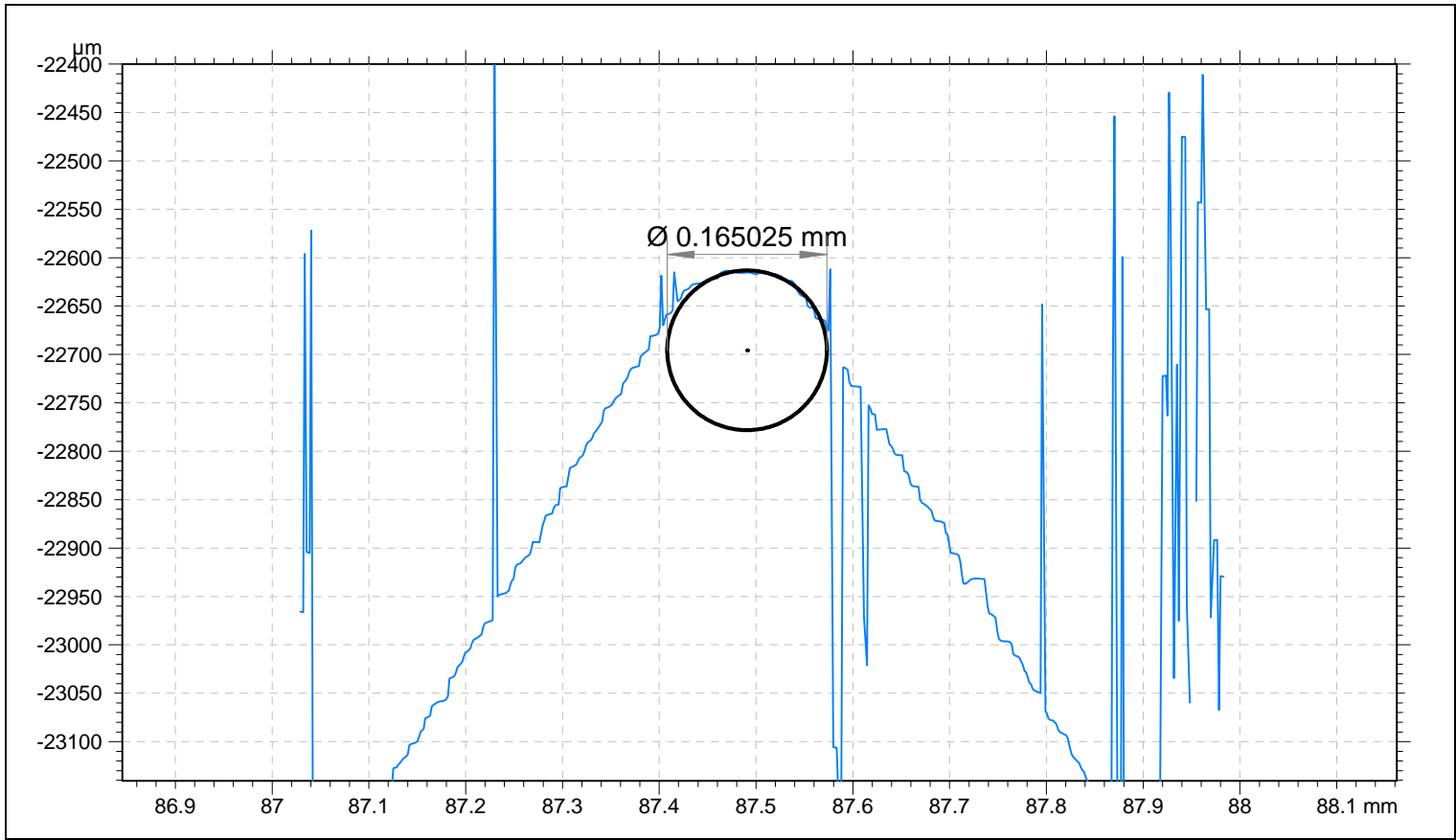


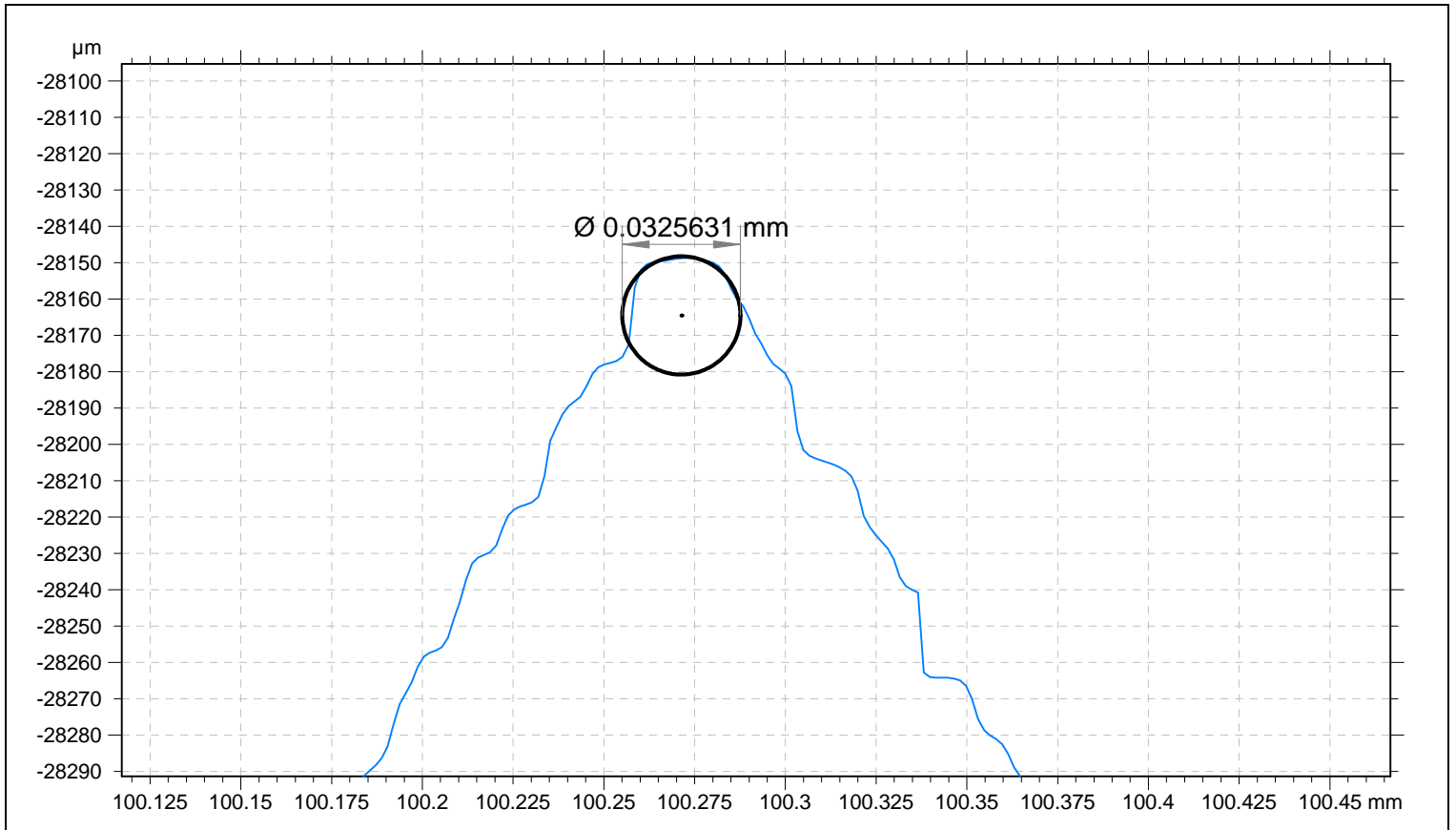
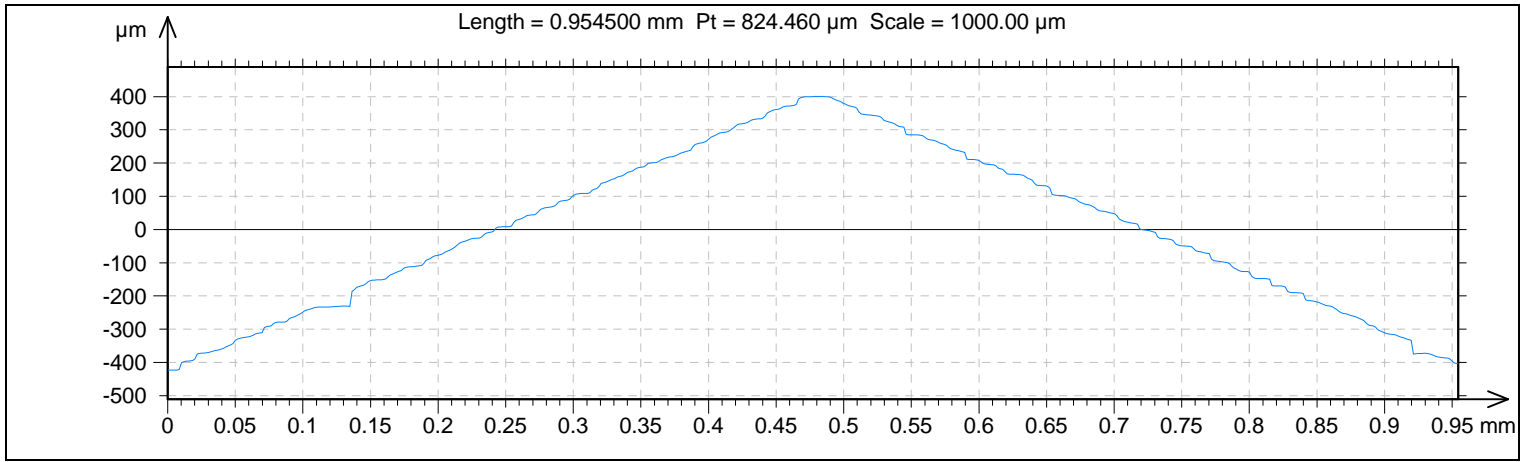
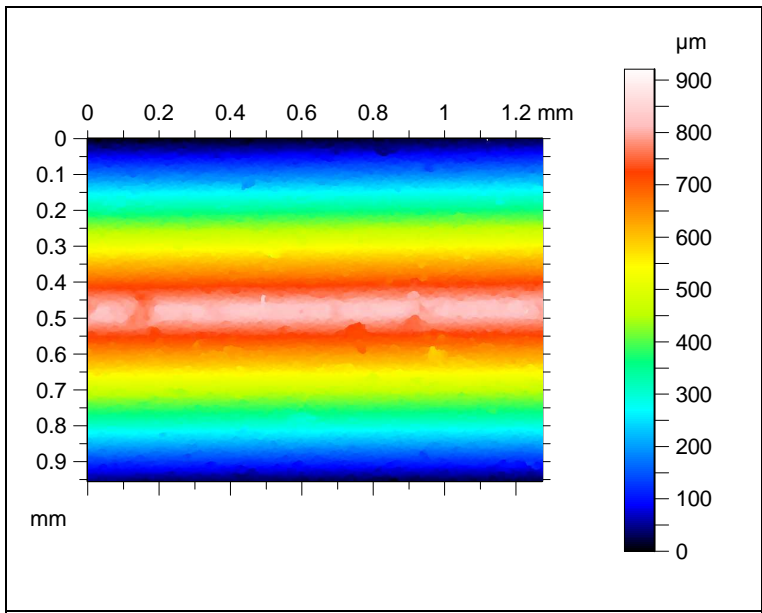




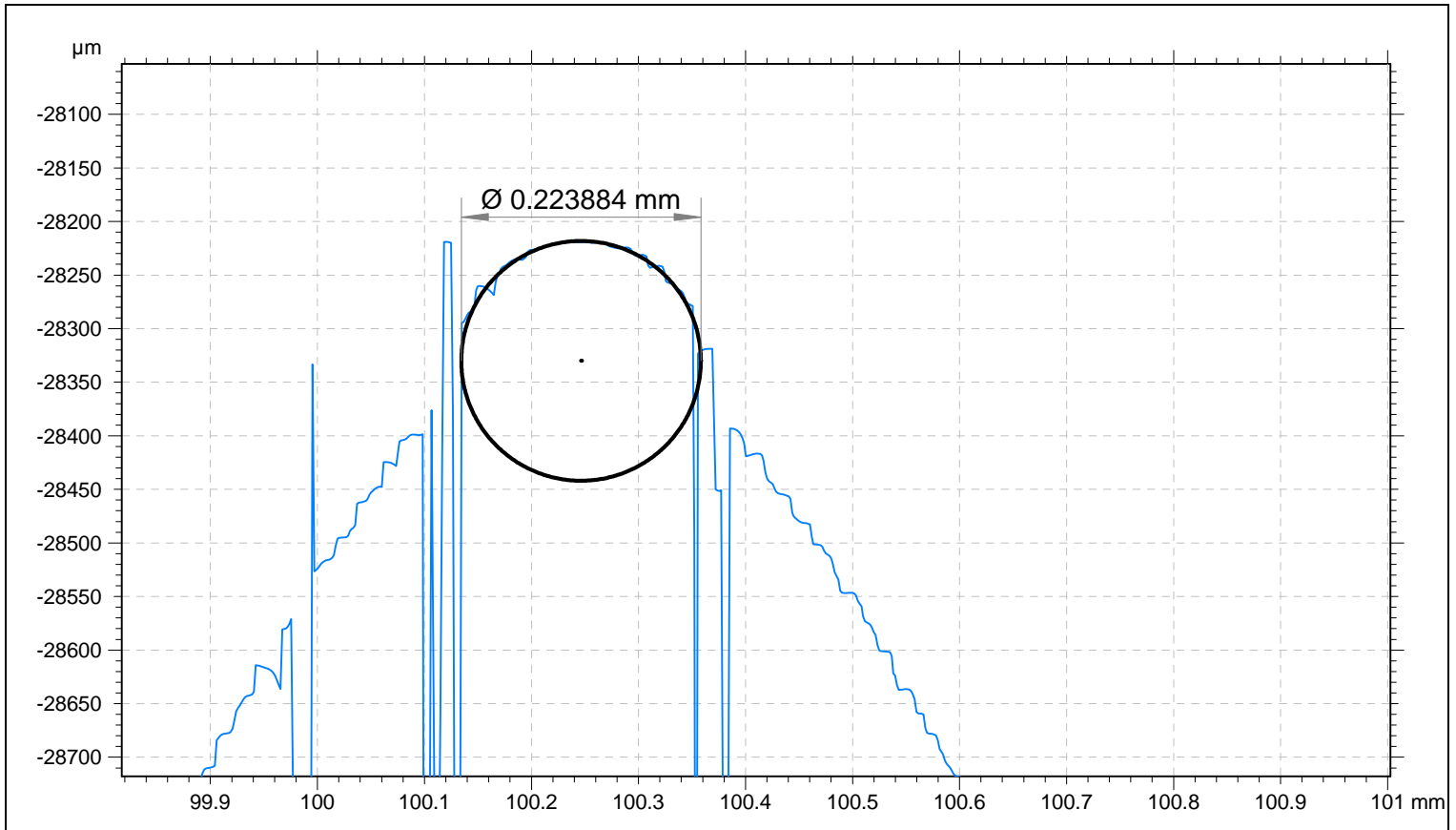
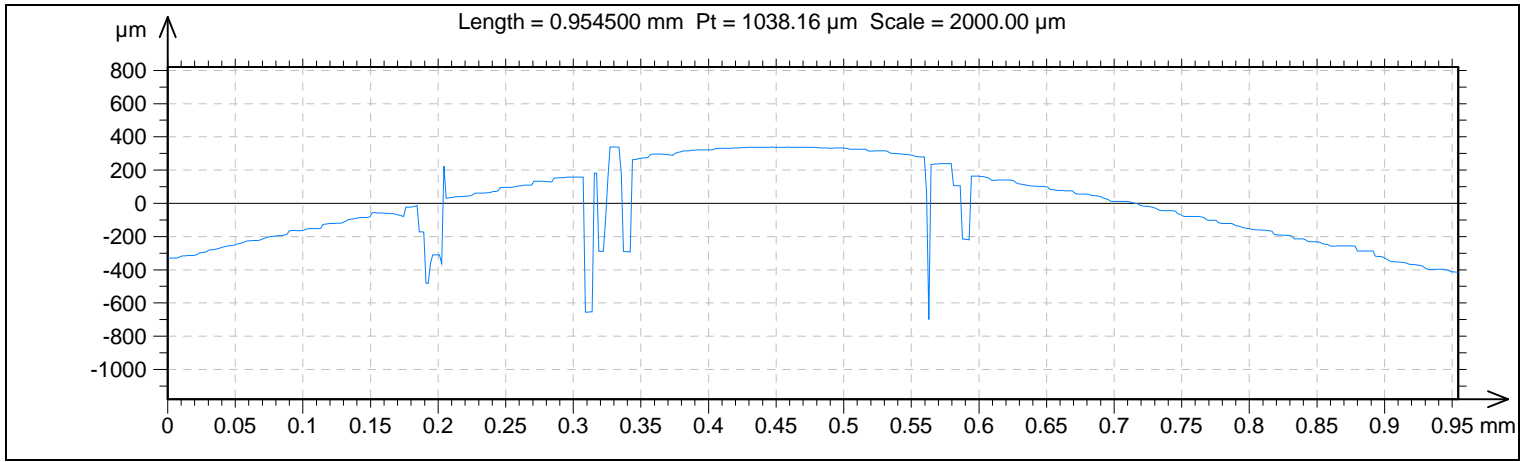
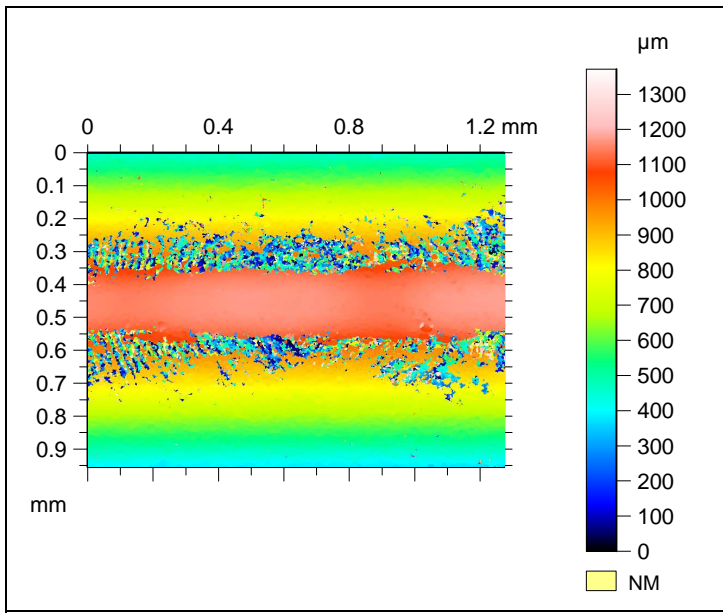


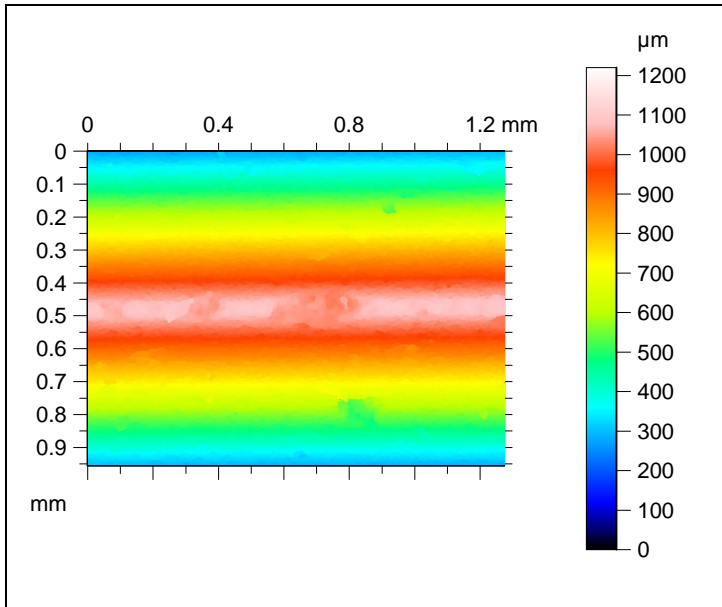
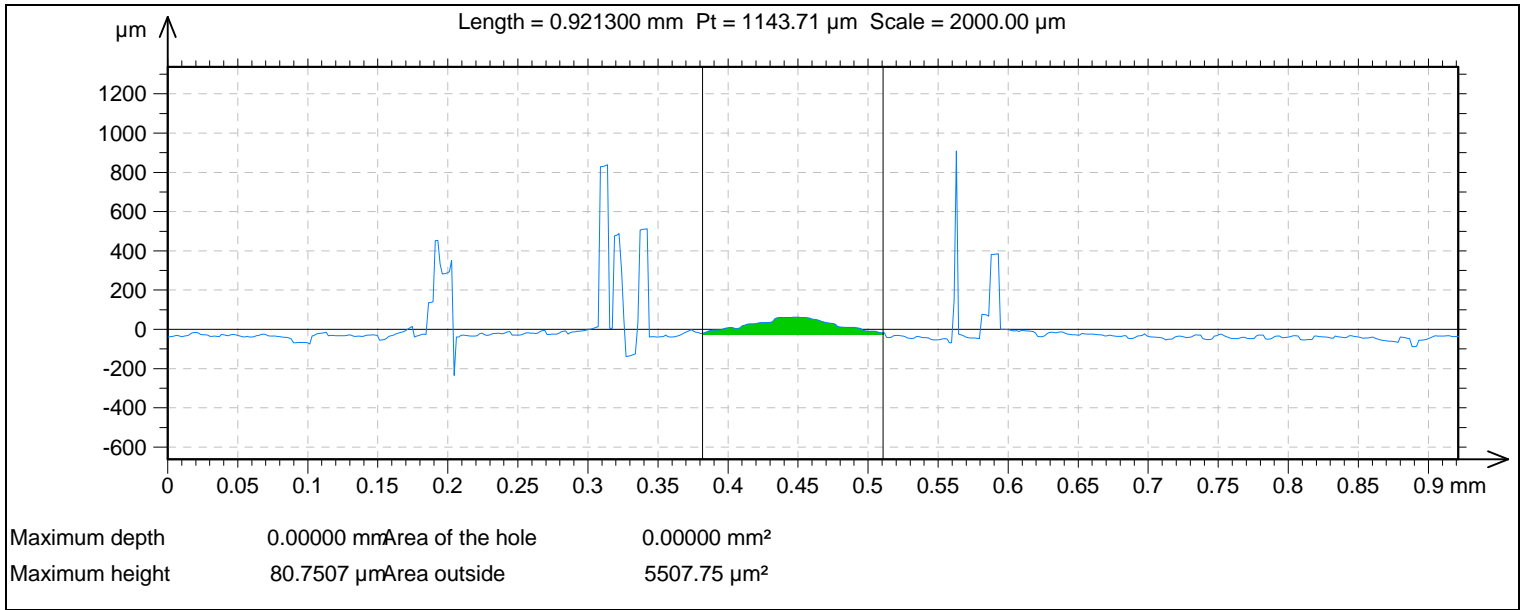
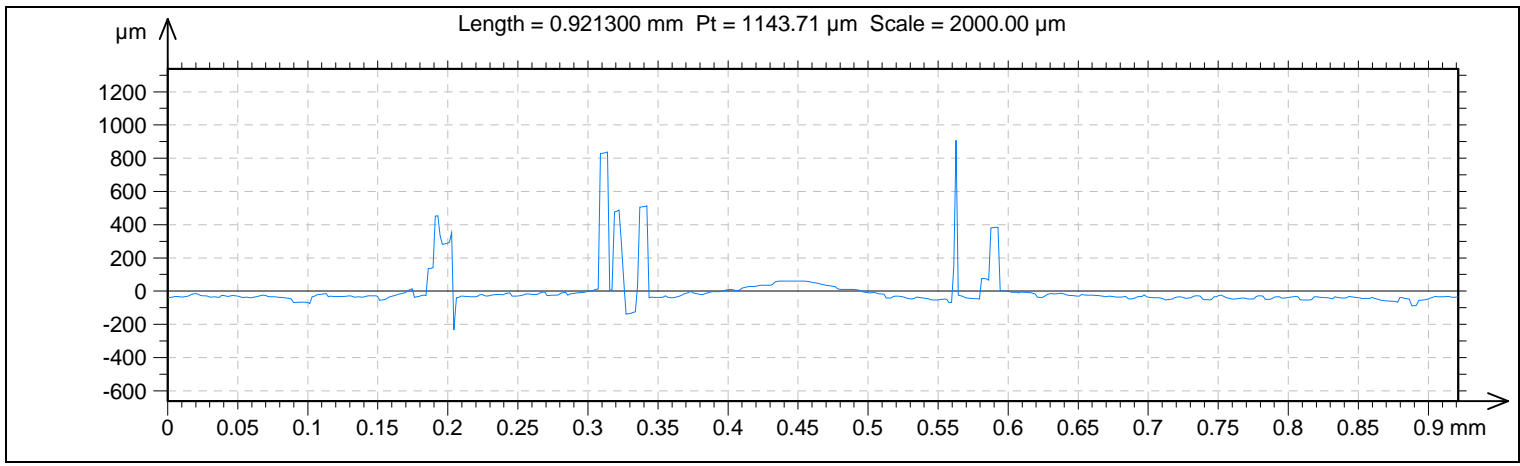
Maximum depth	2.24348 $\mu\text{m}$	Area of the hole	7.72879 $\mu\text{m}^2$
Maximum height	80.4928 $\mu\text{m}$	Area outside	5448.48 $\mu\text{m}^2$

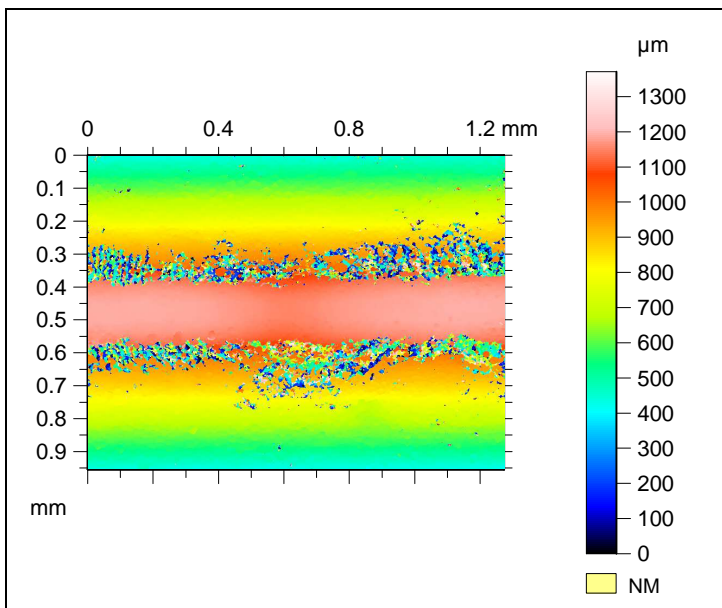
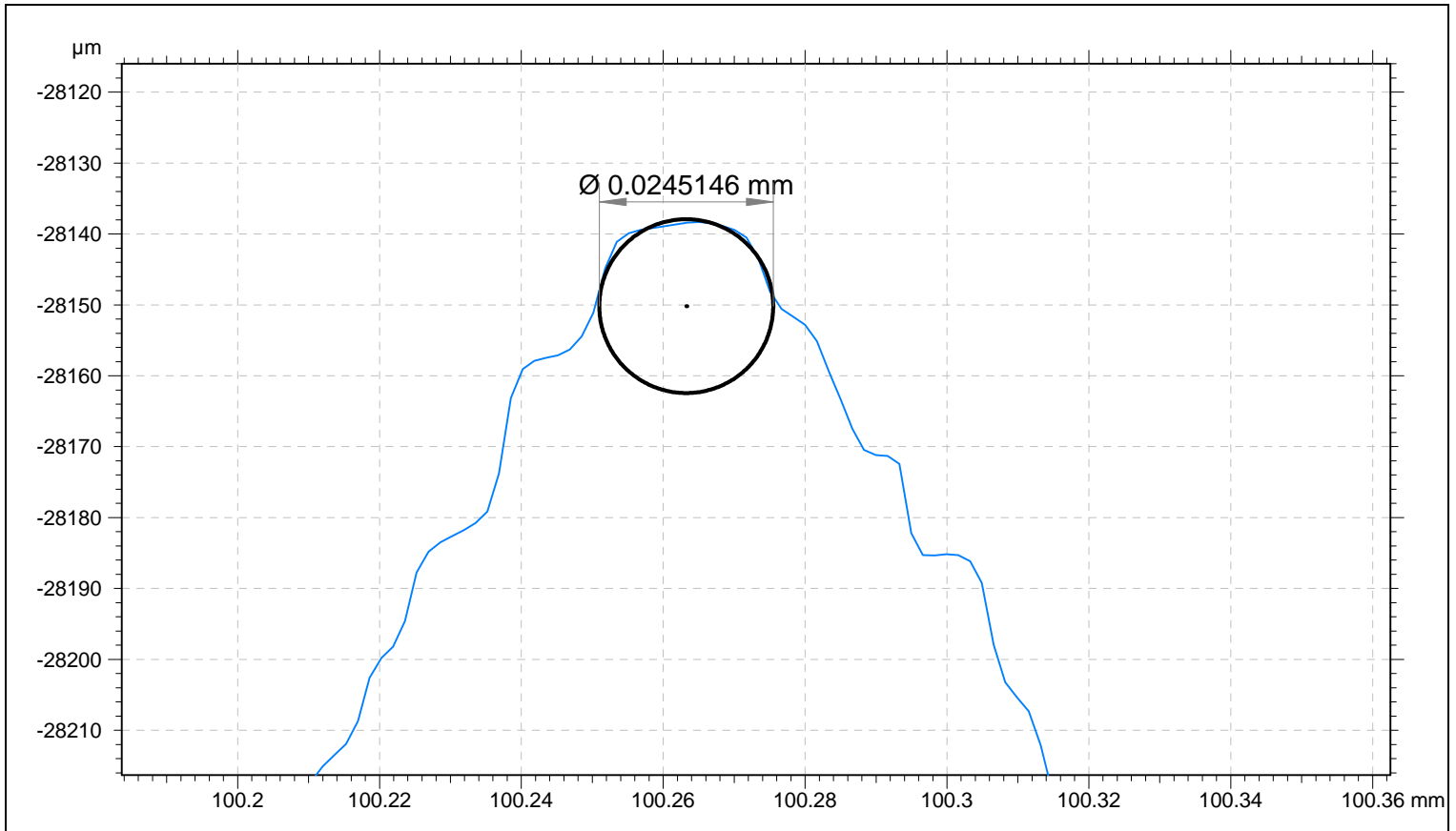
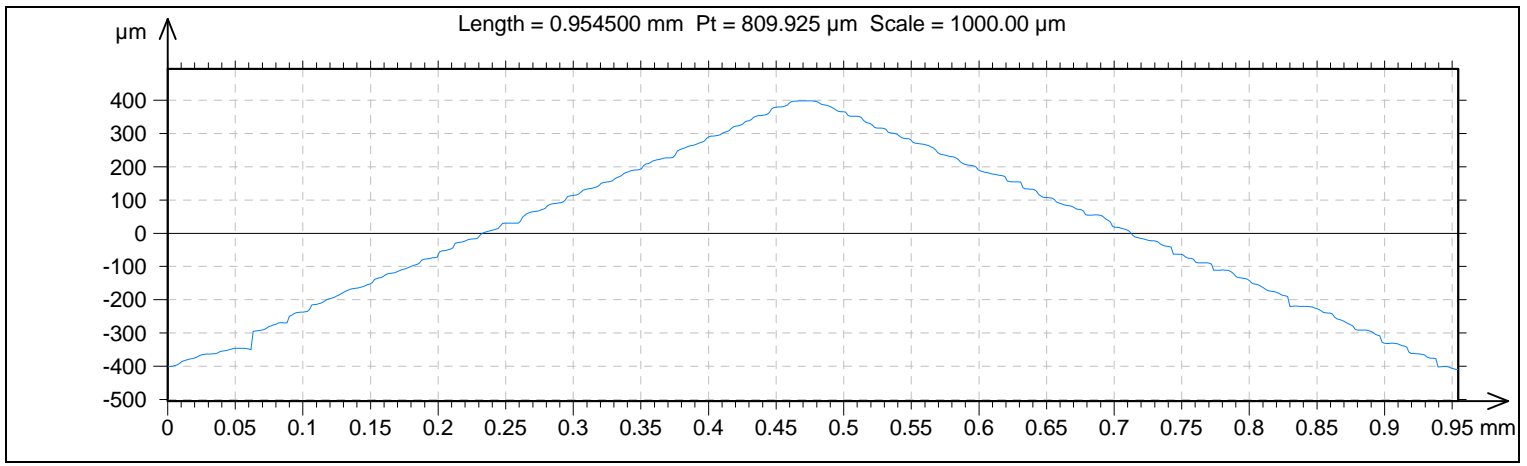


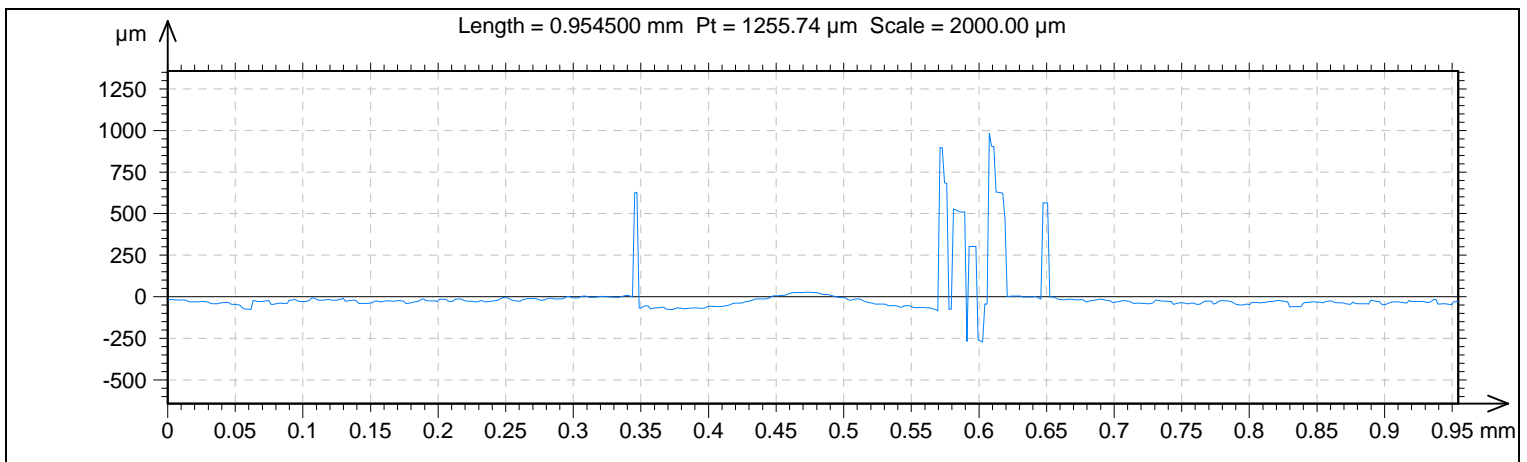
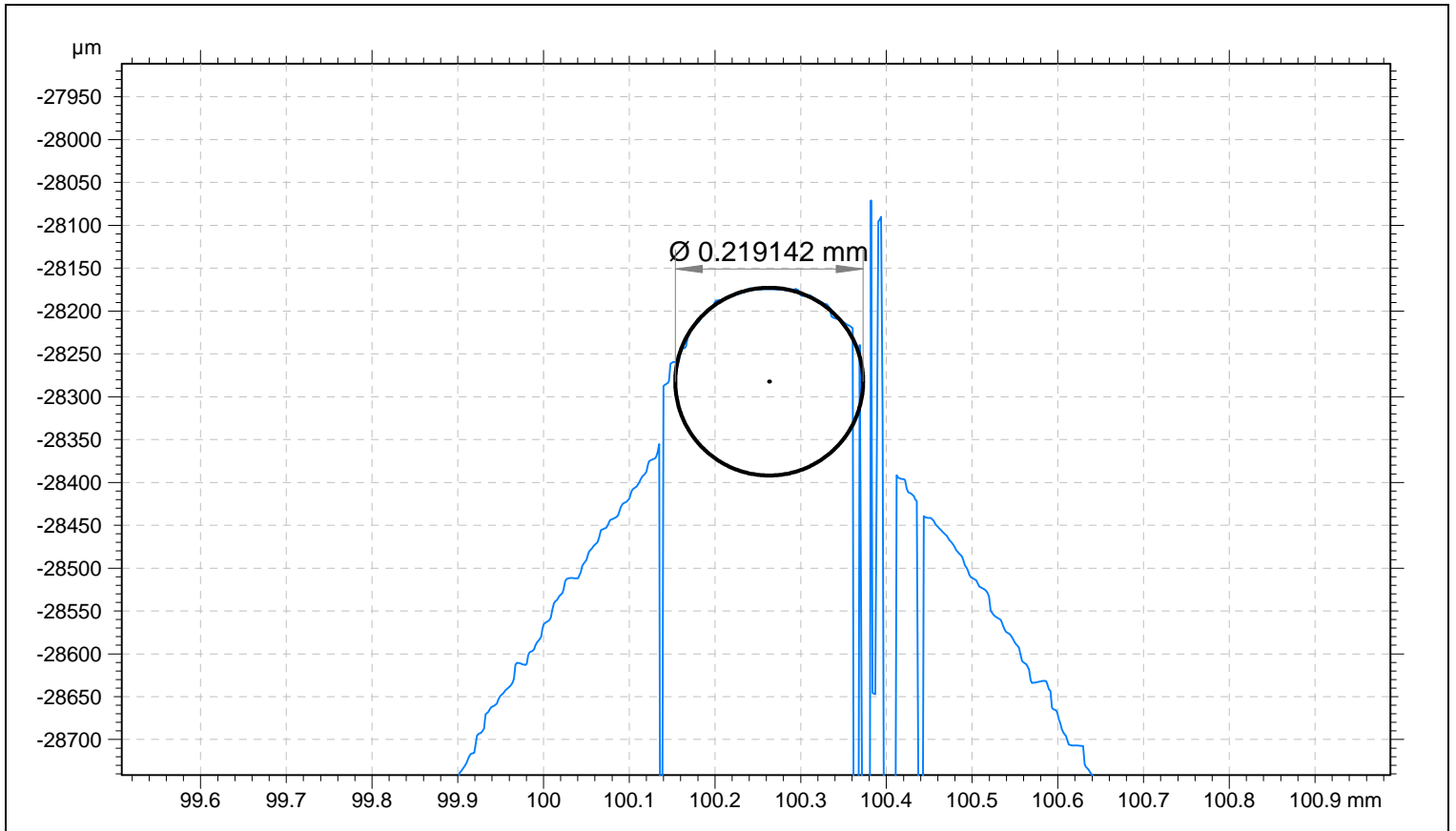
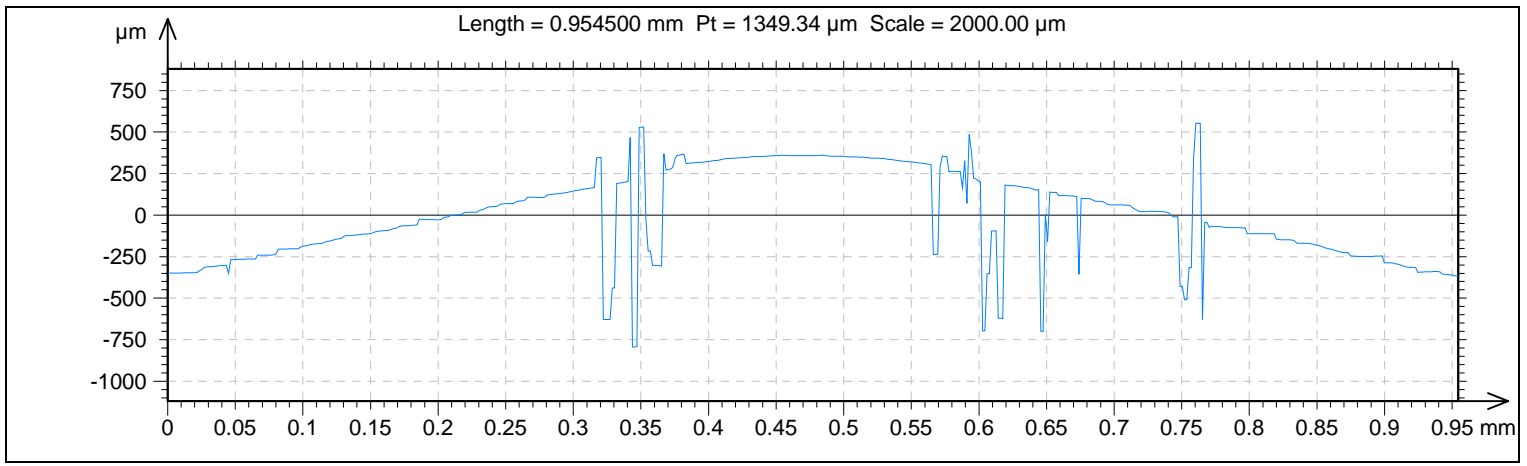


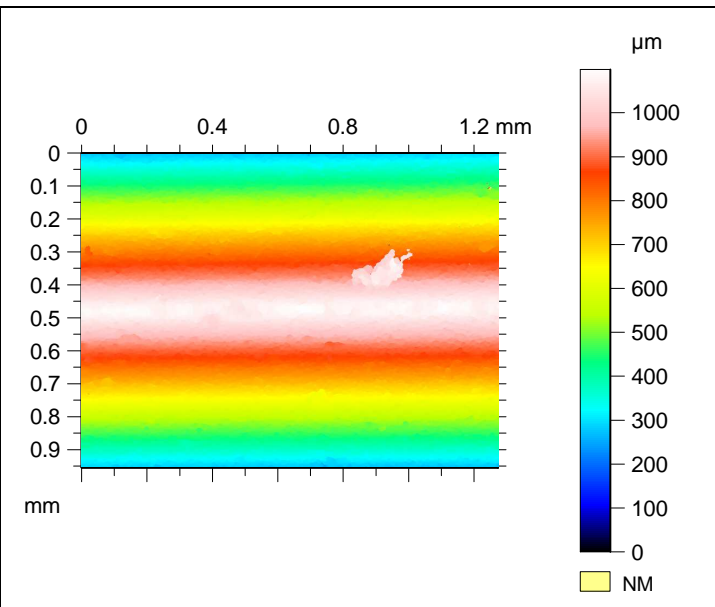
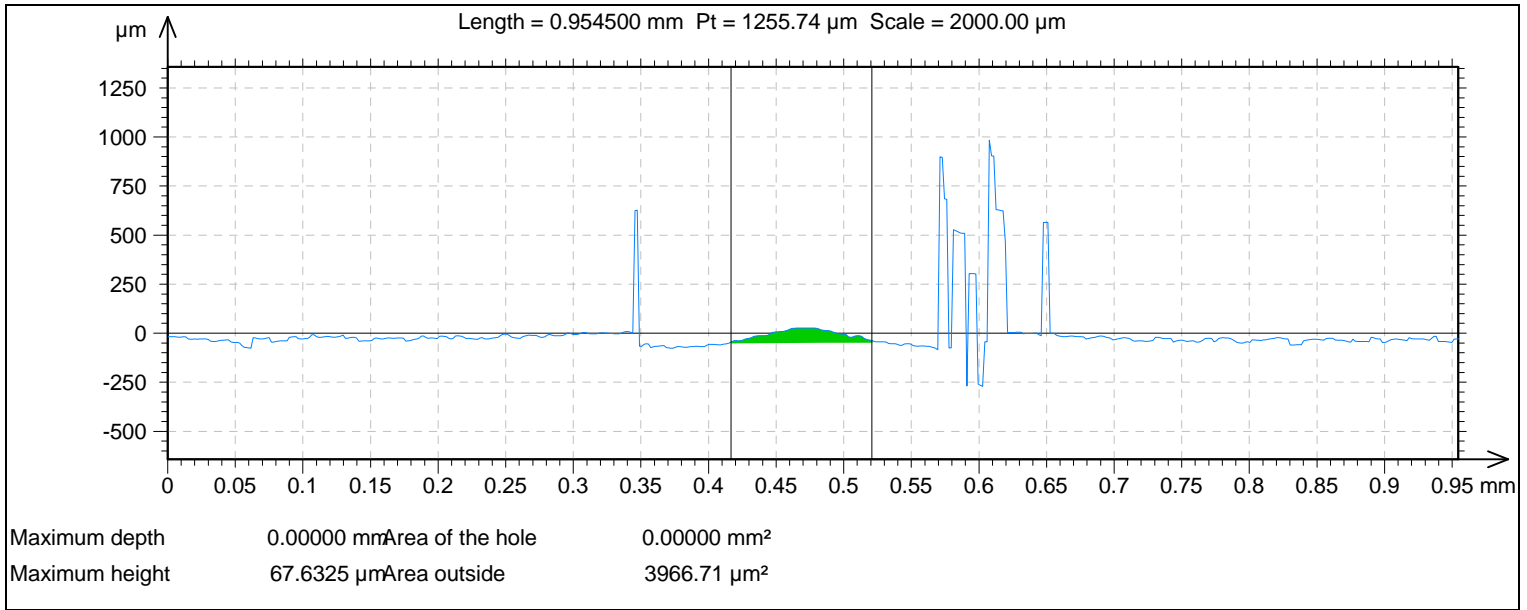
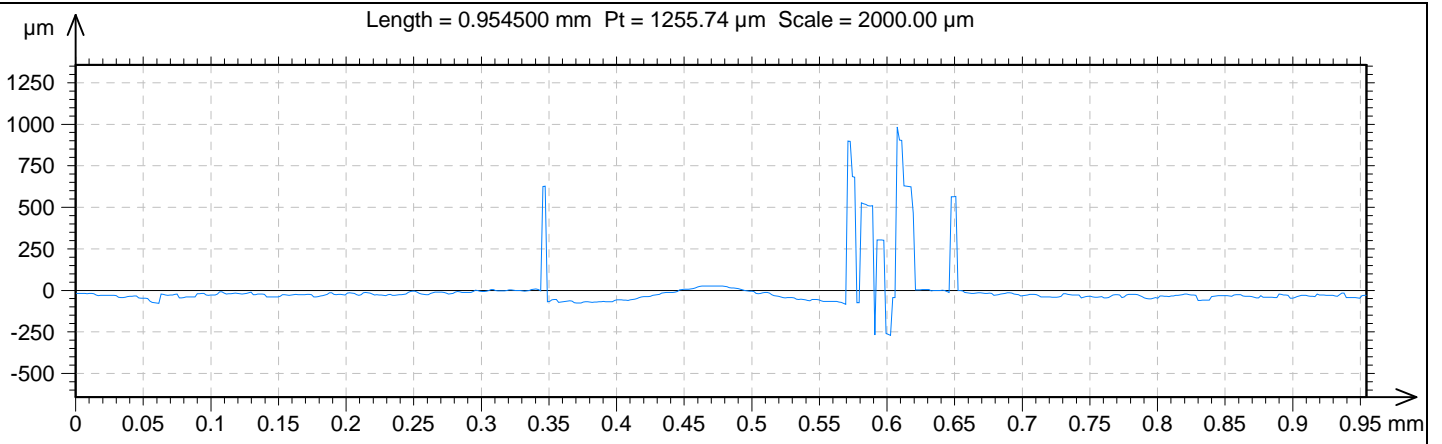


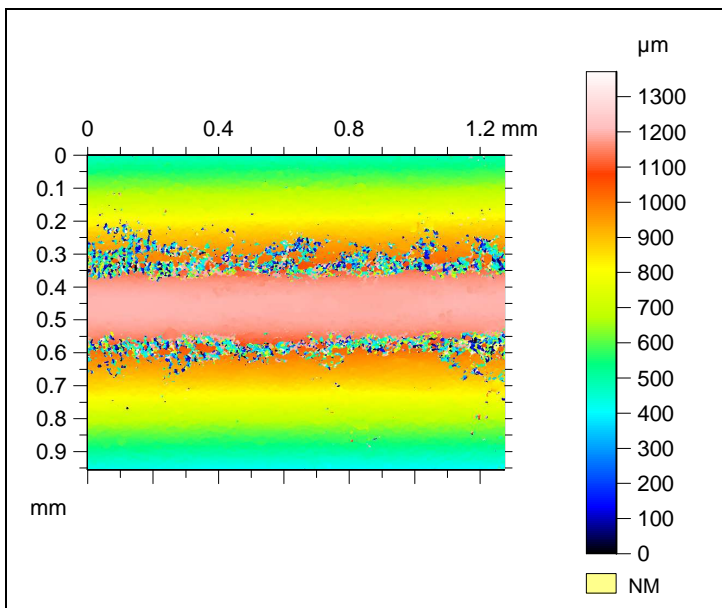
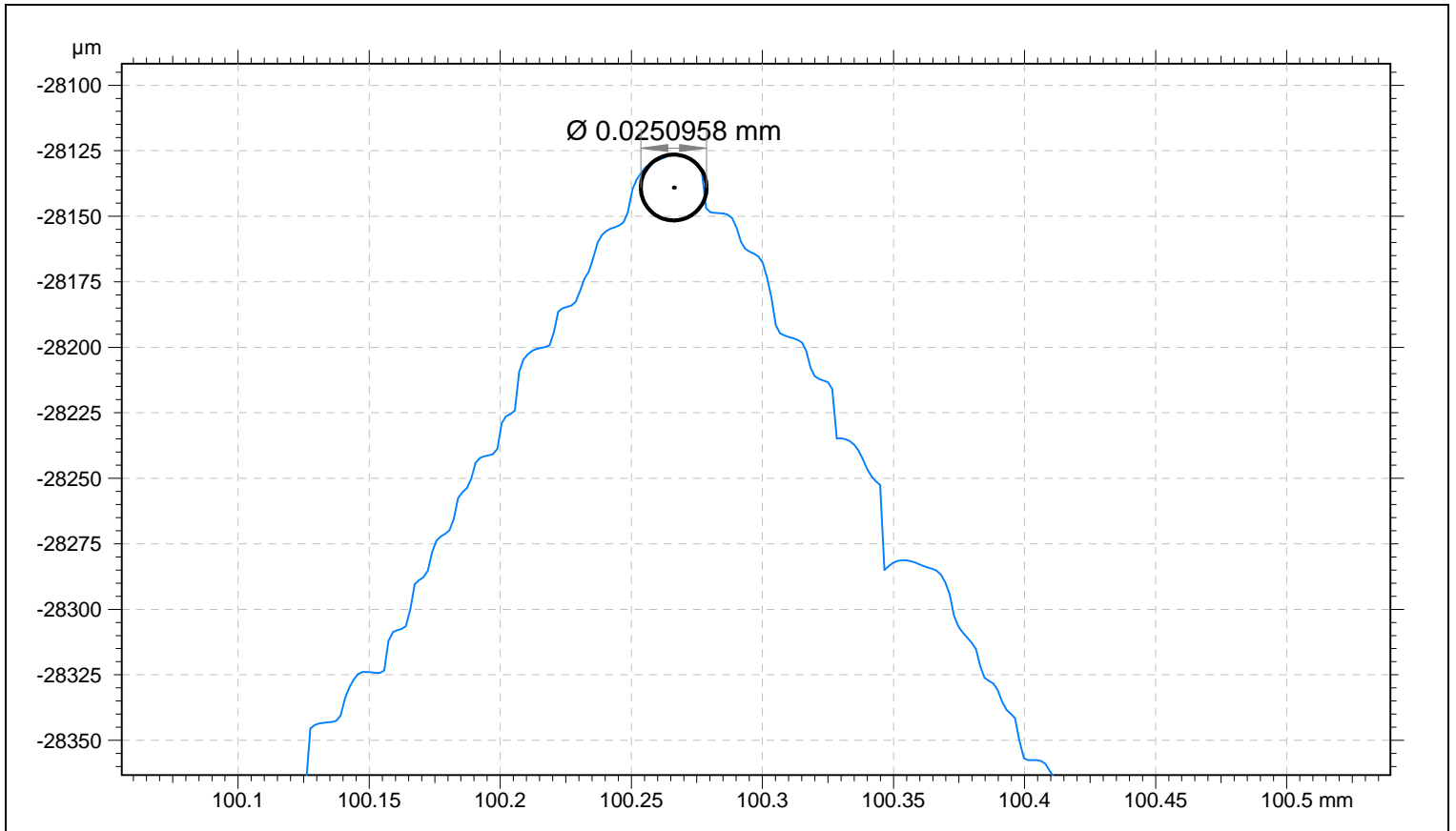
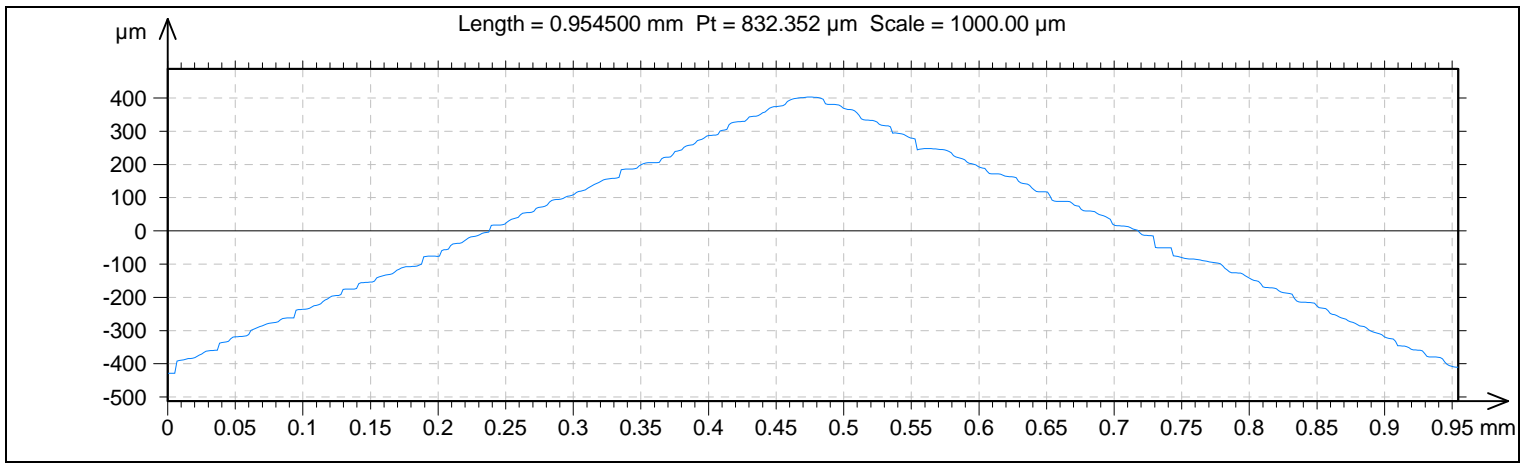


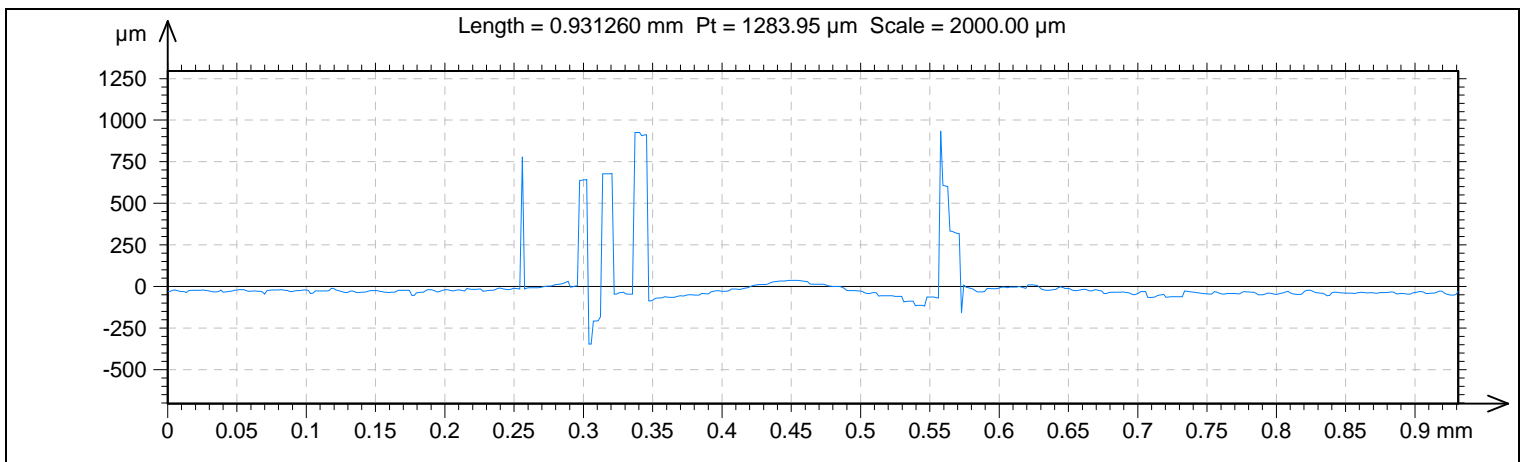
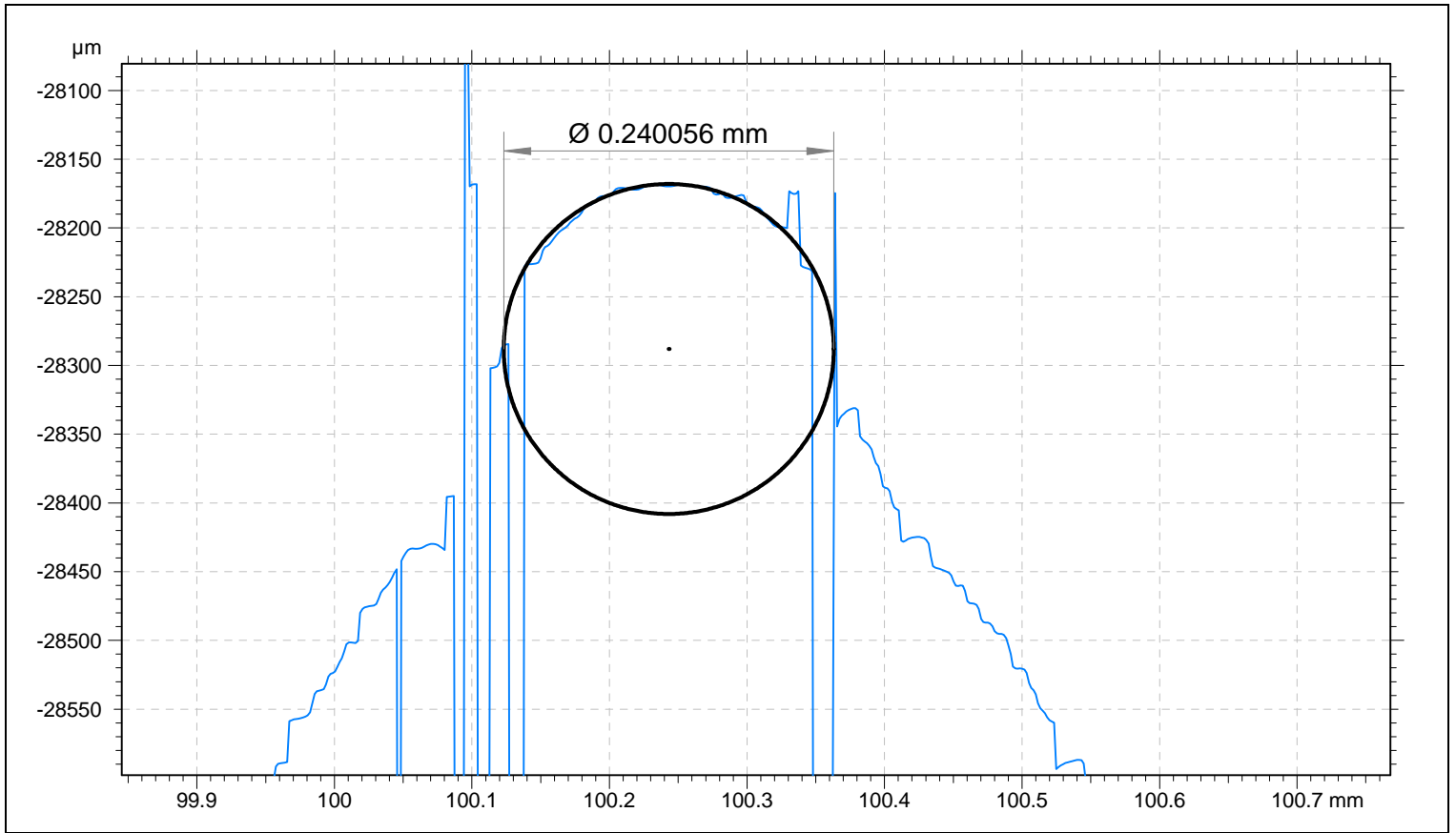
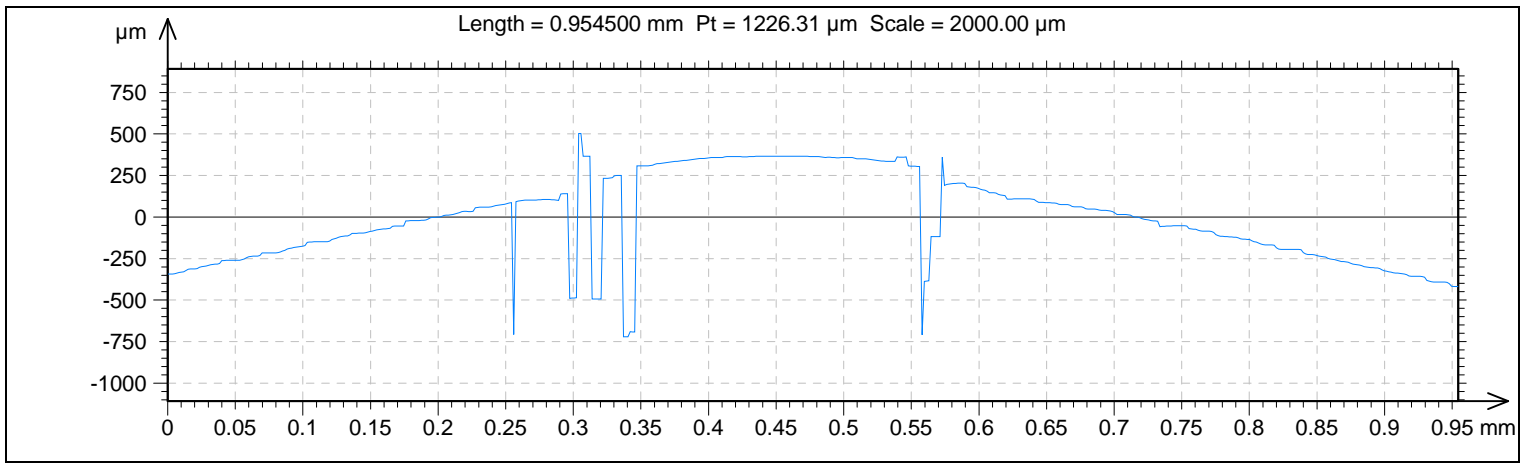


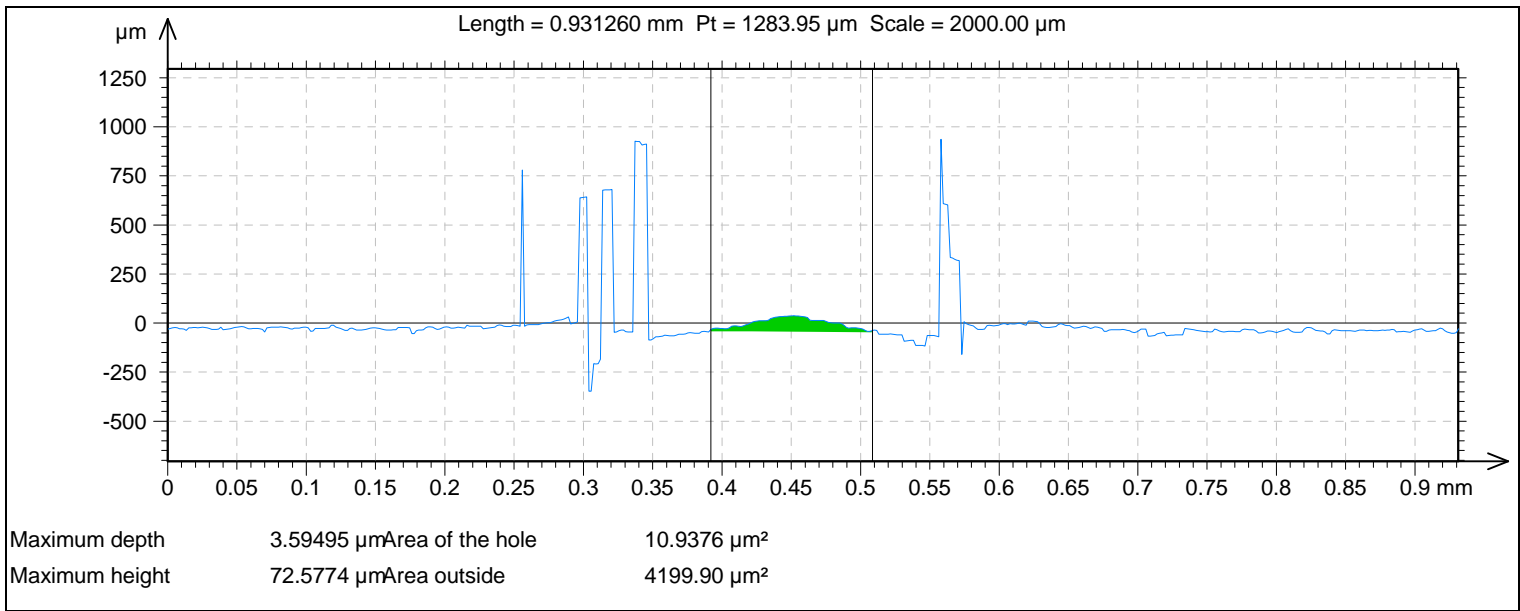




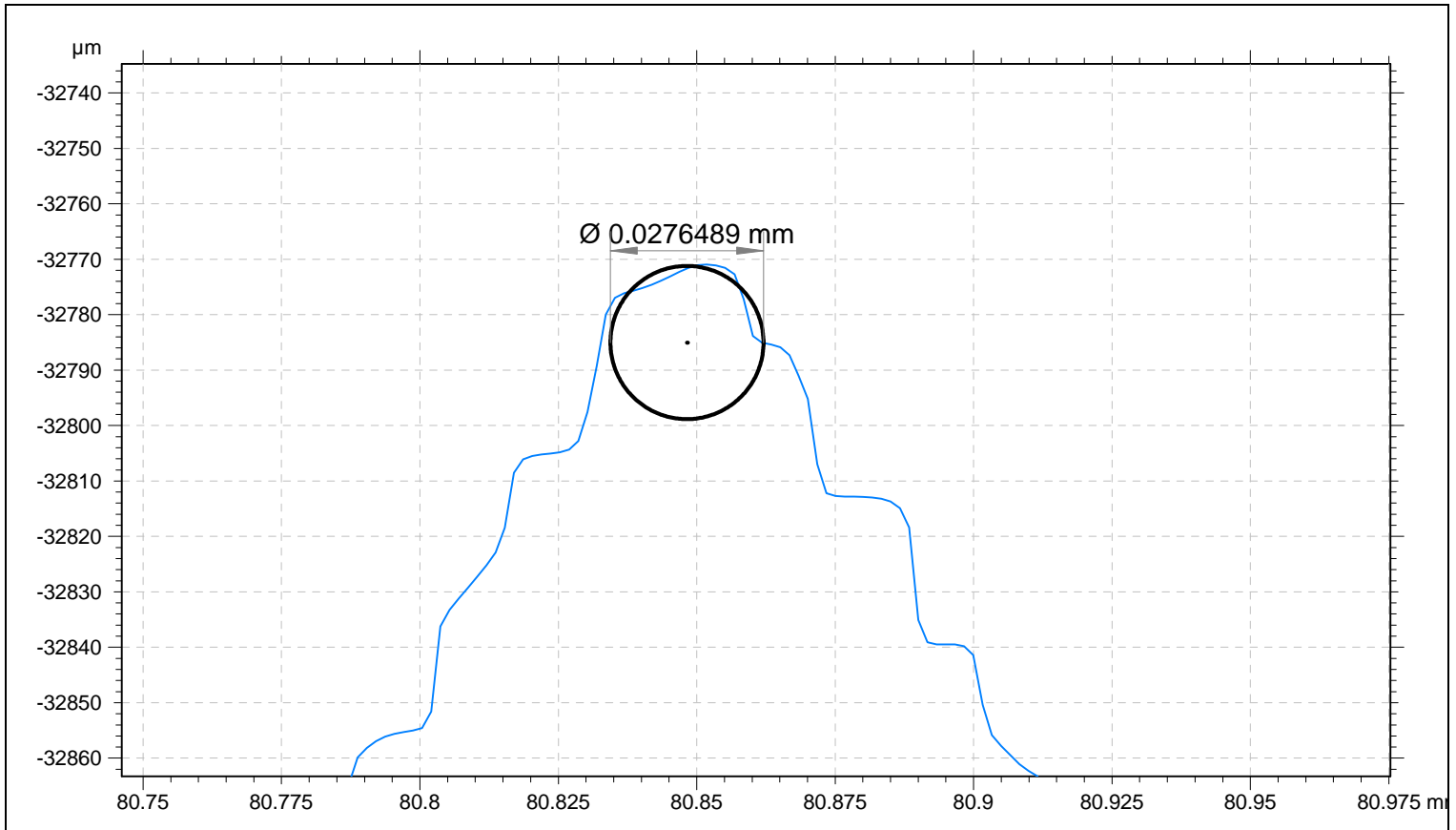
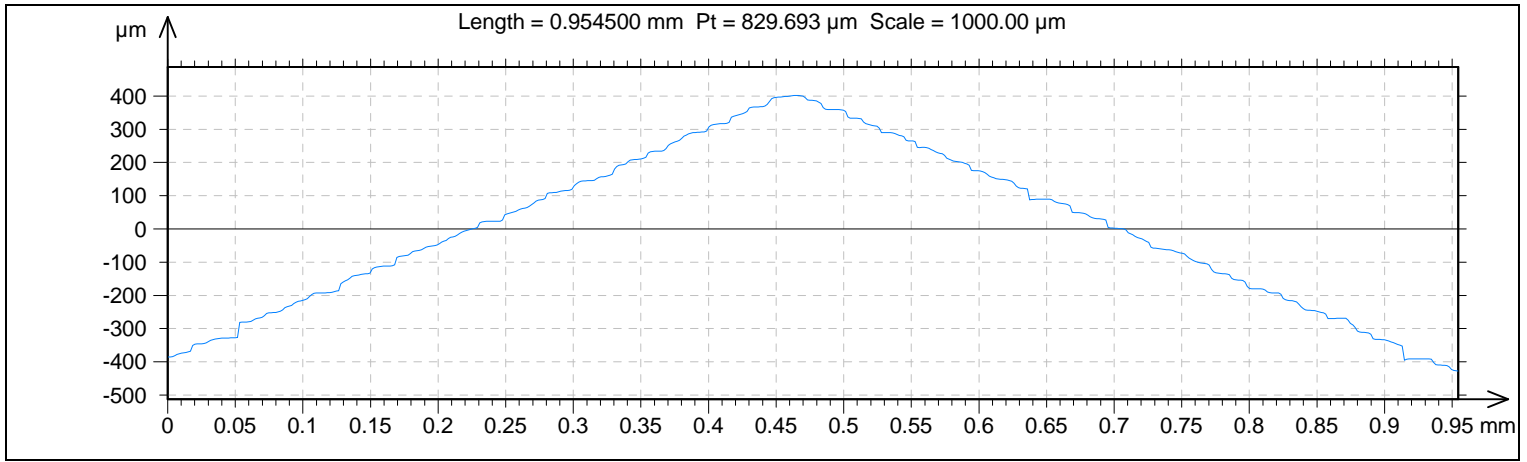
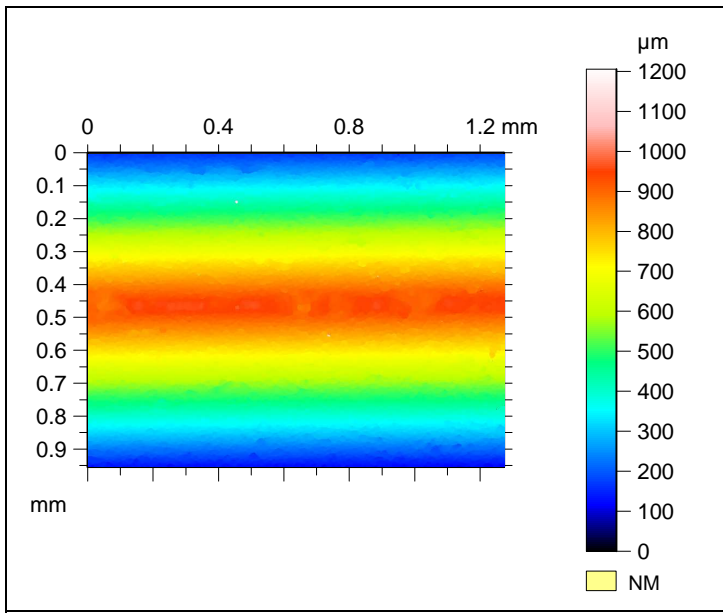


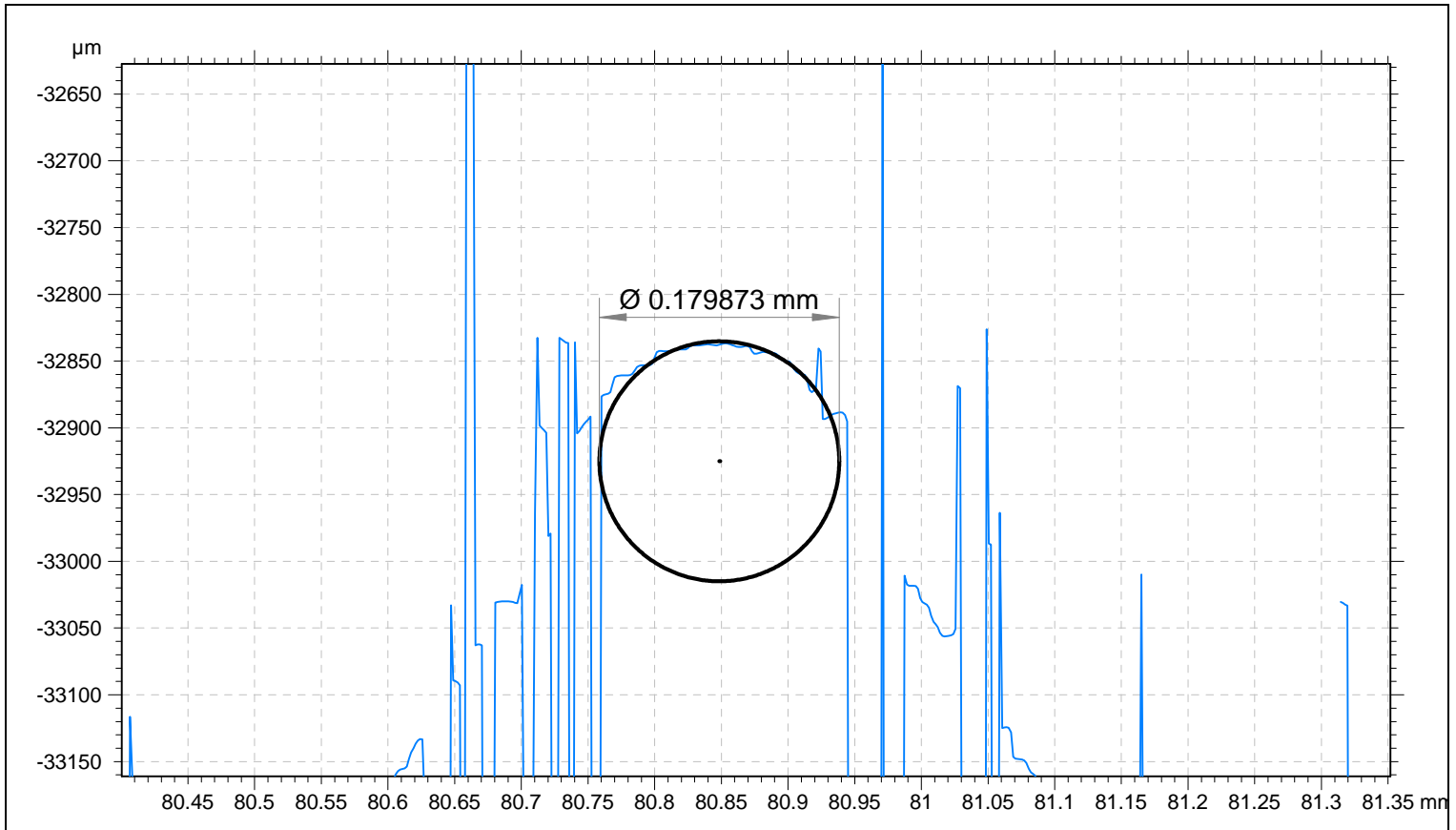
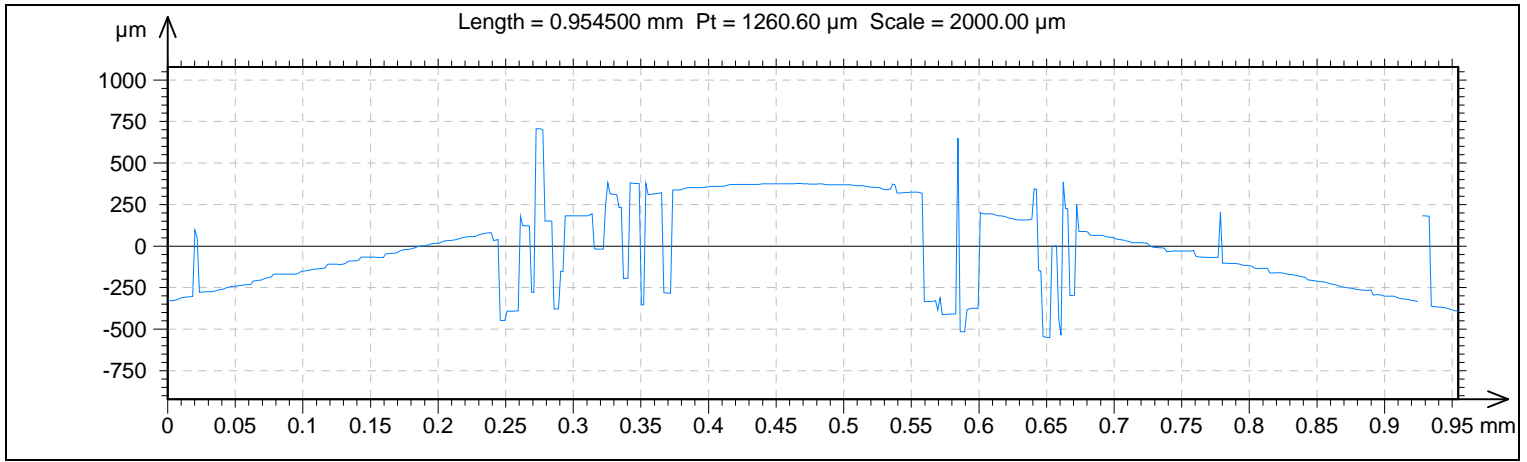
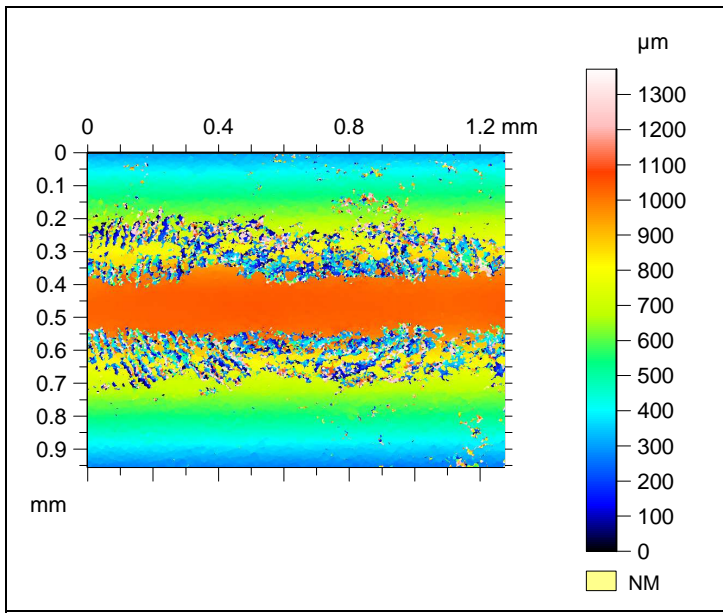


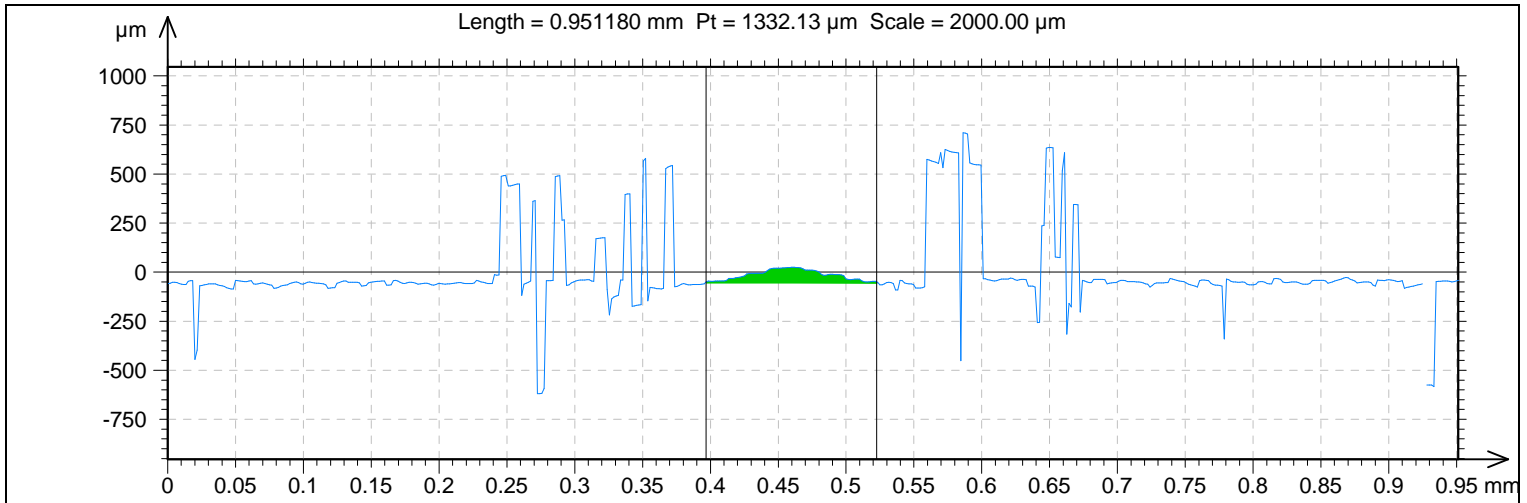
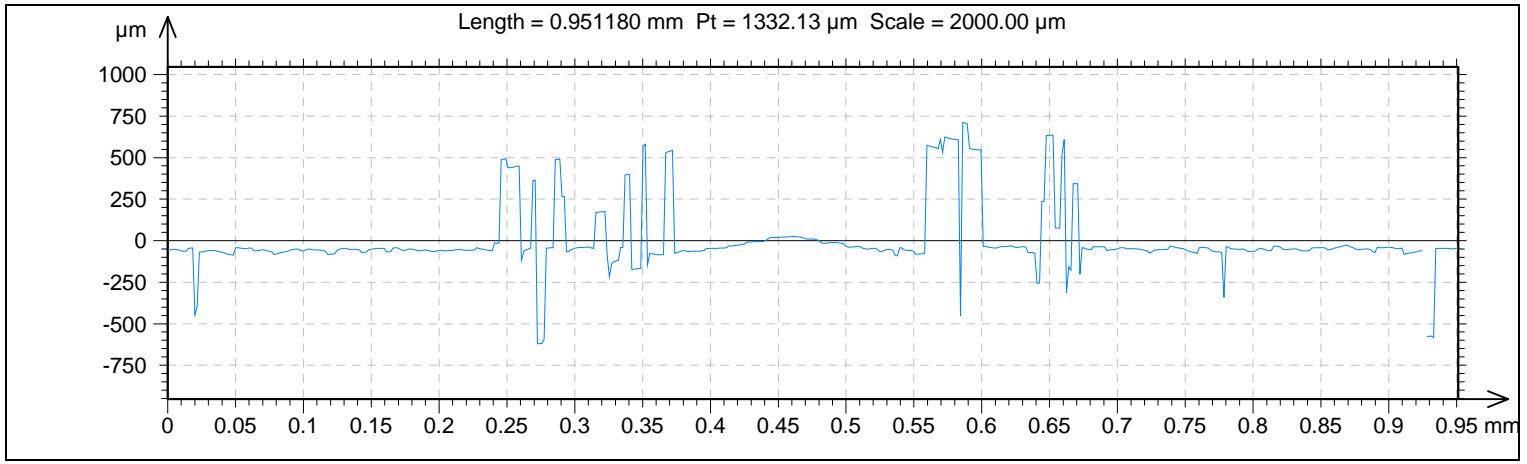




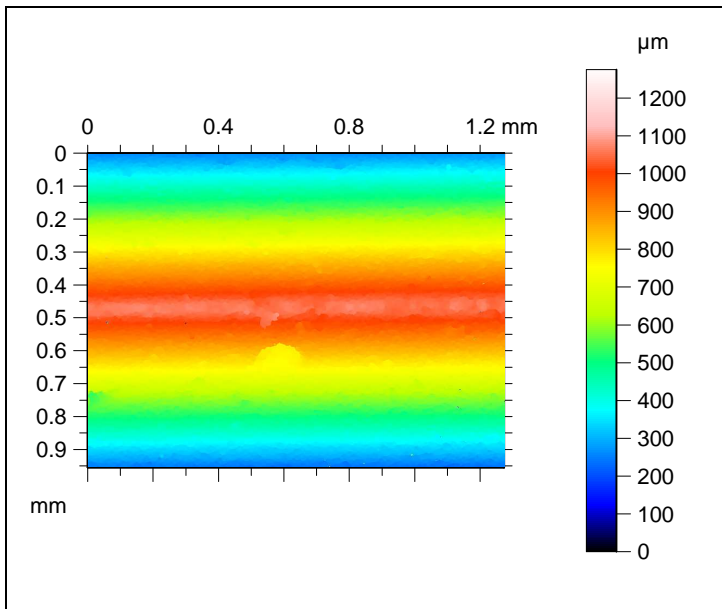


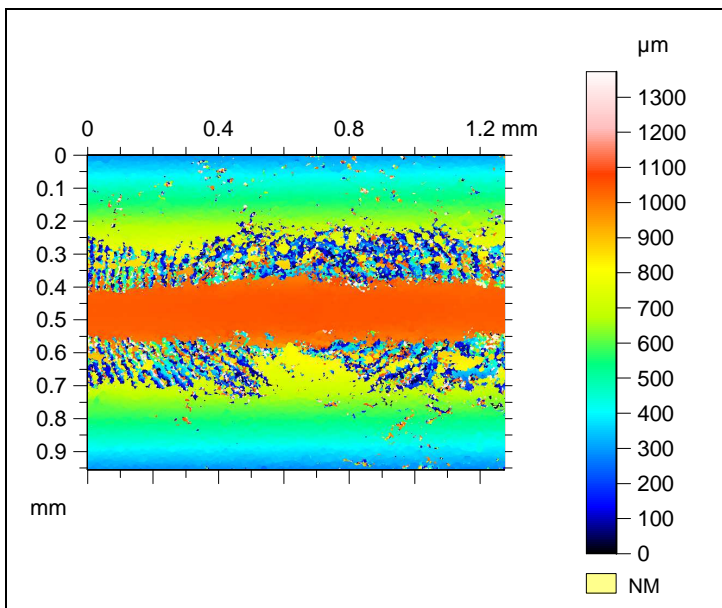
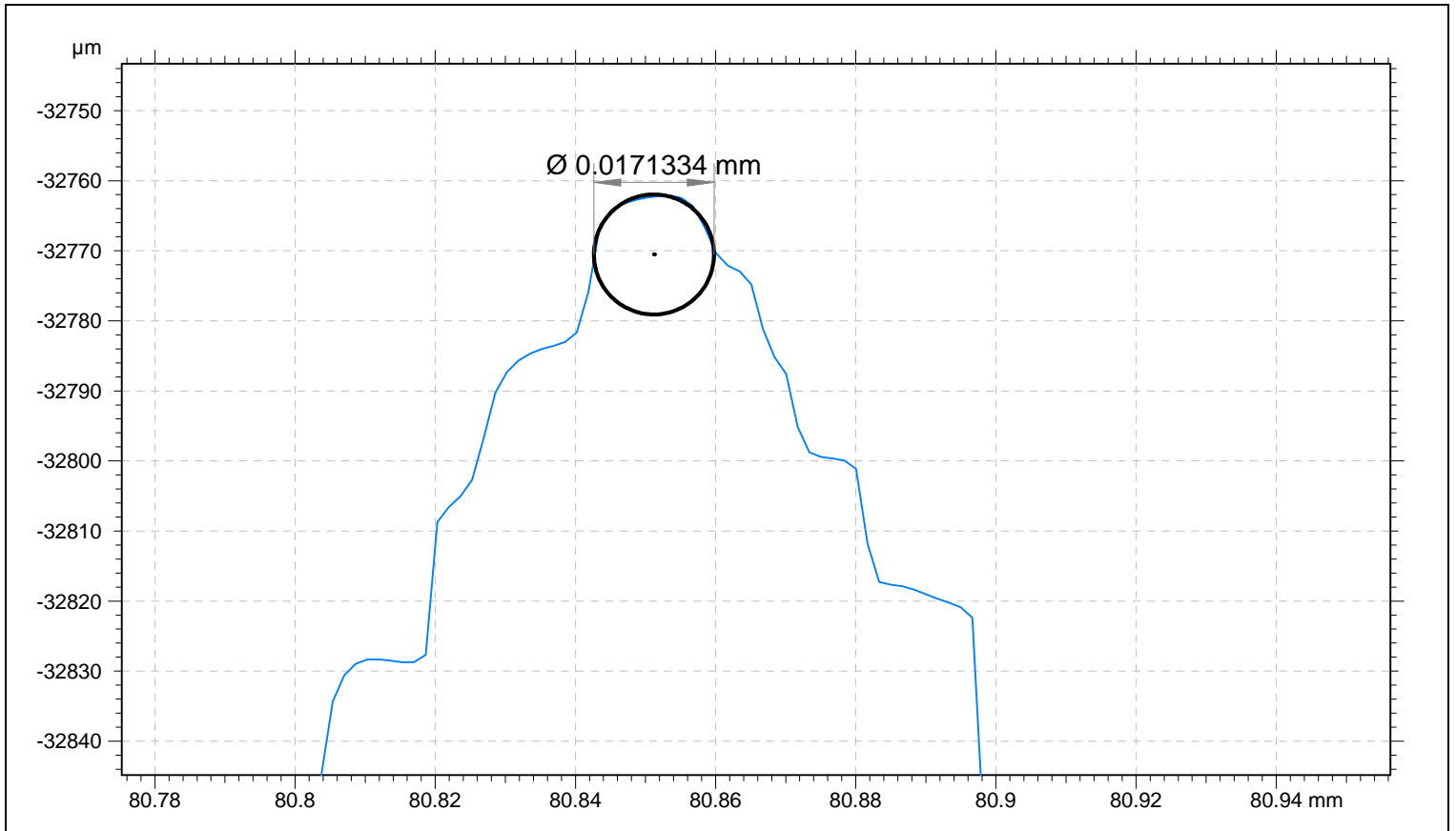
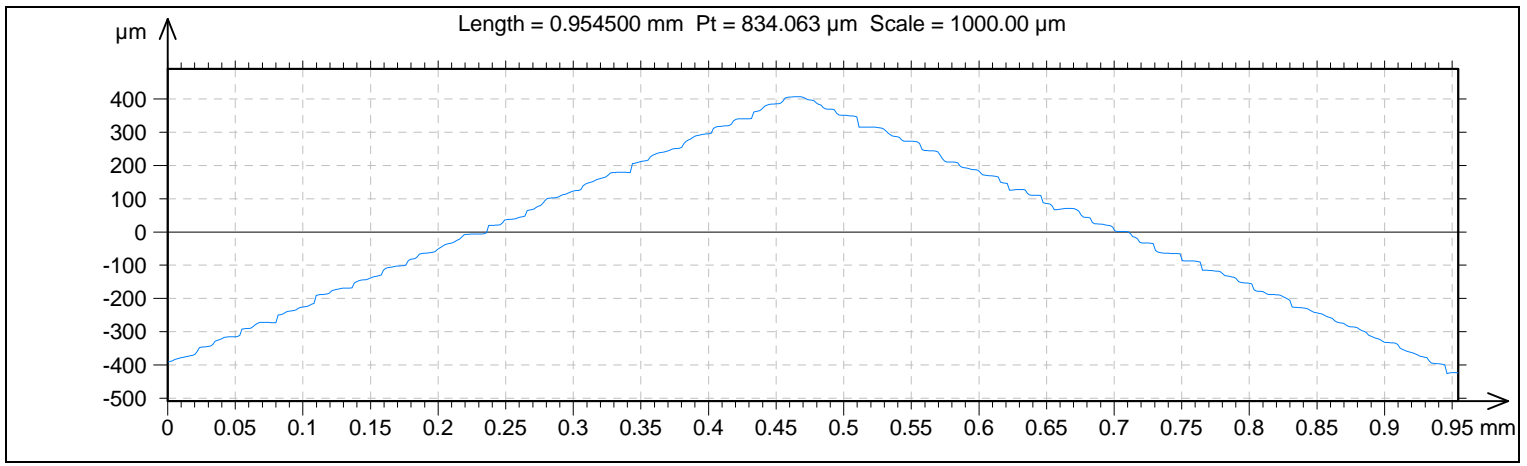


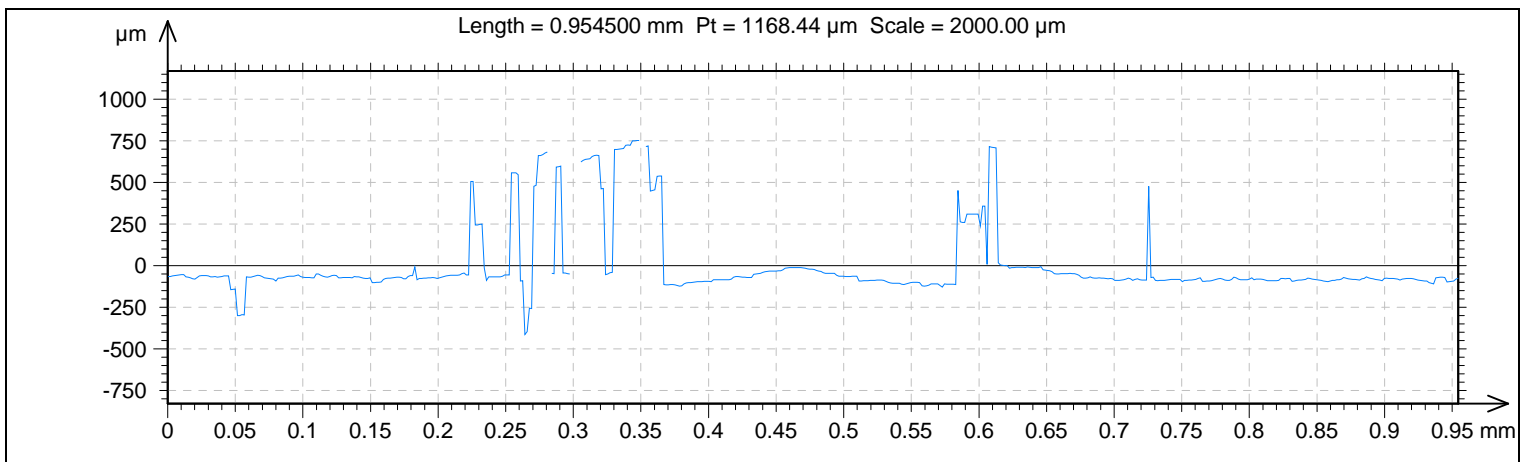
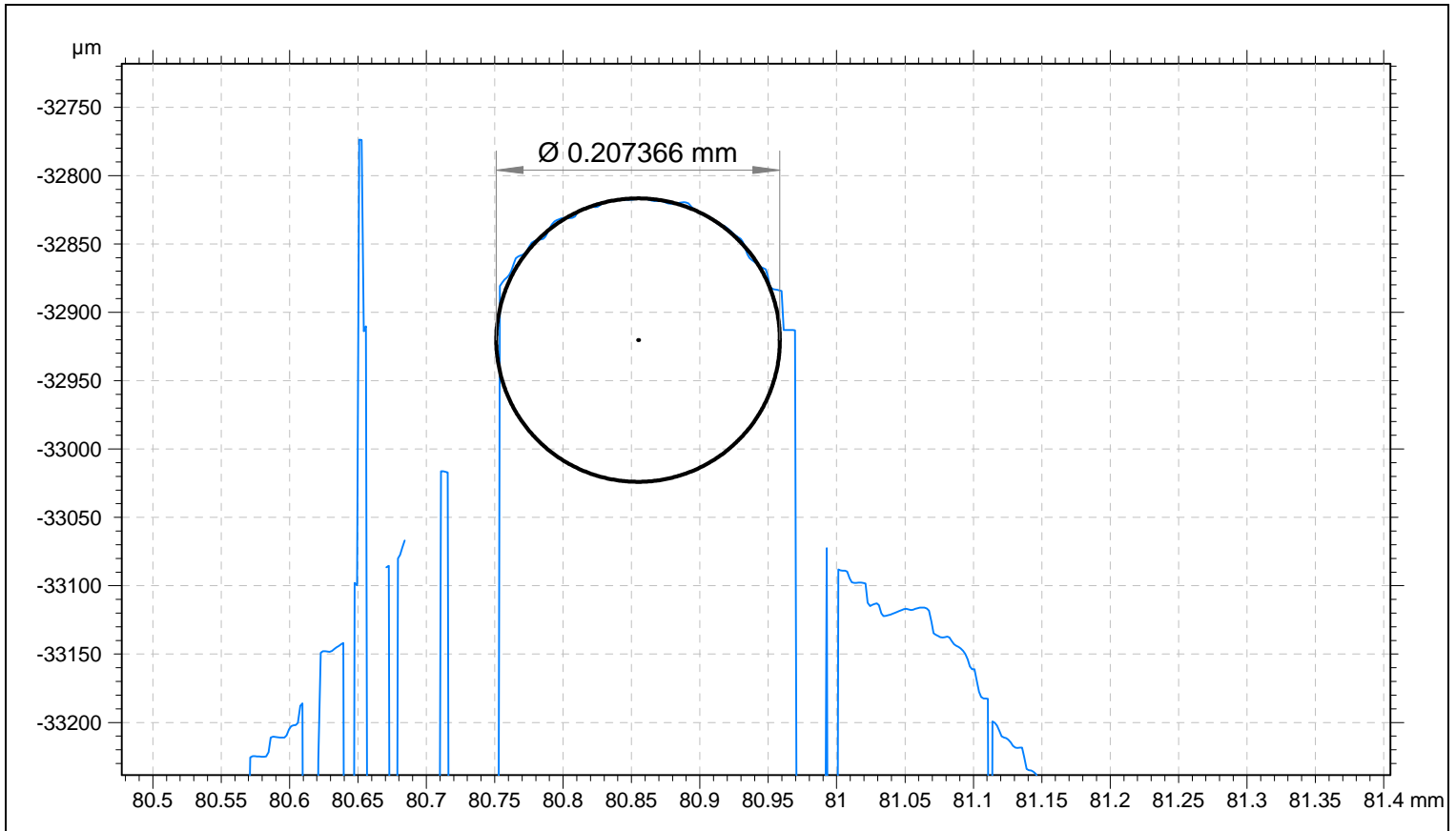
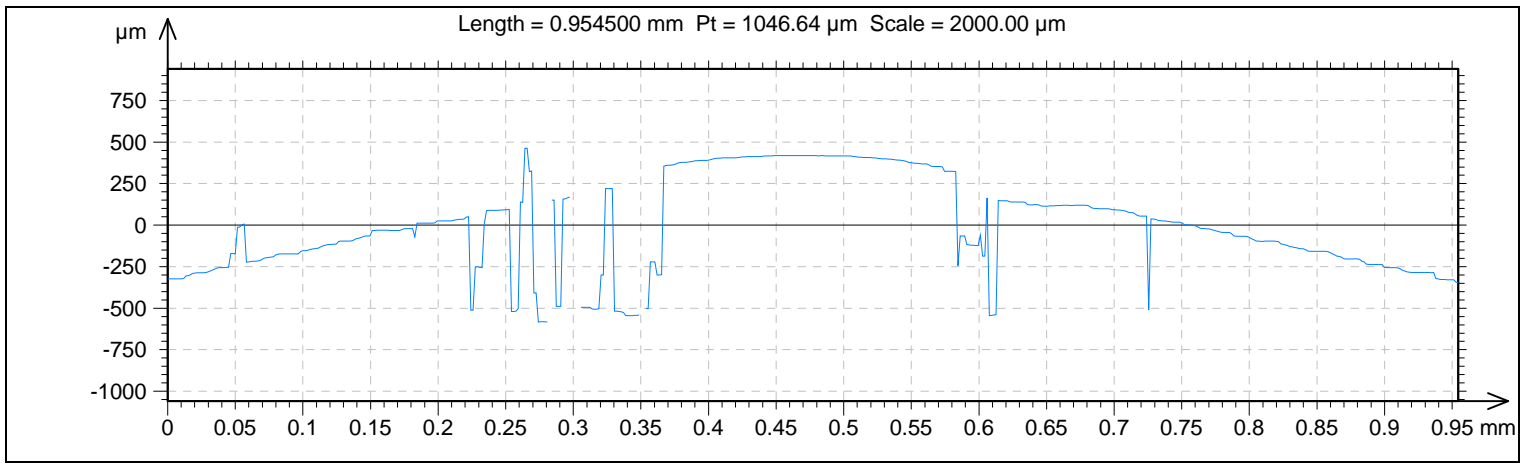


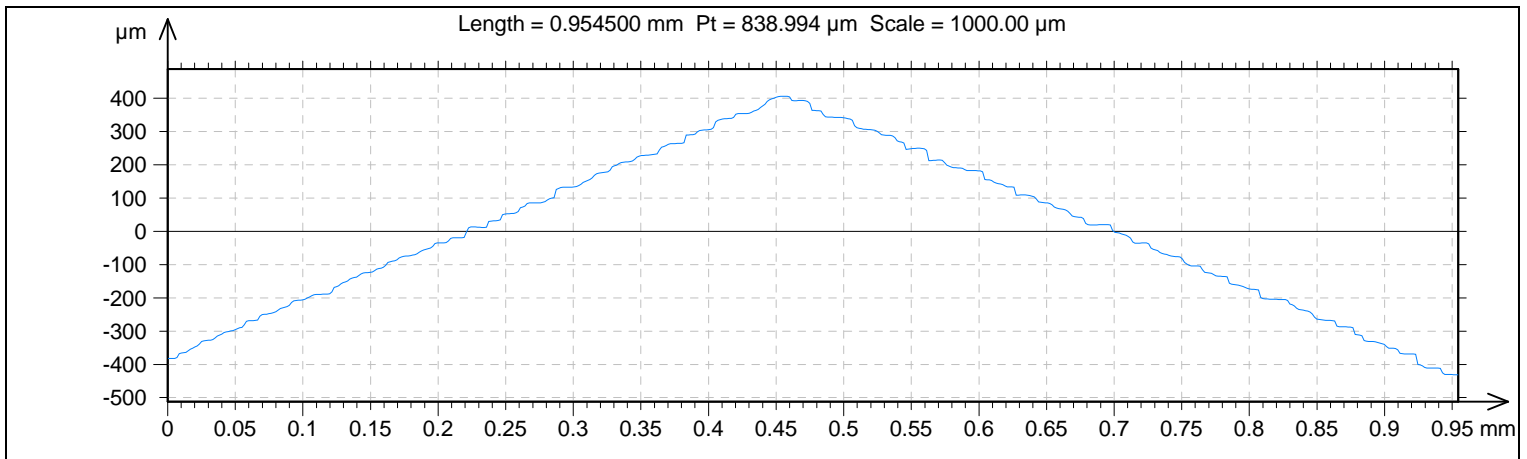
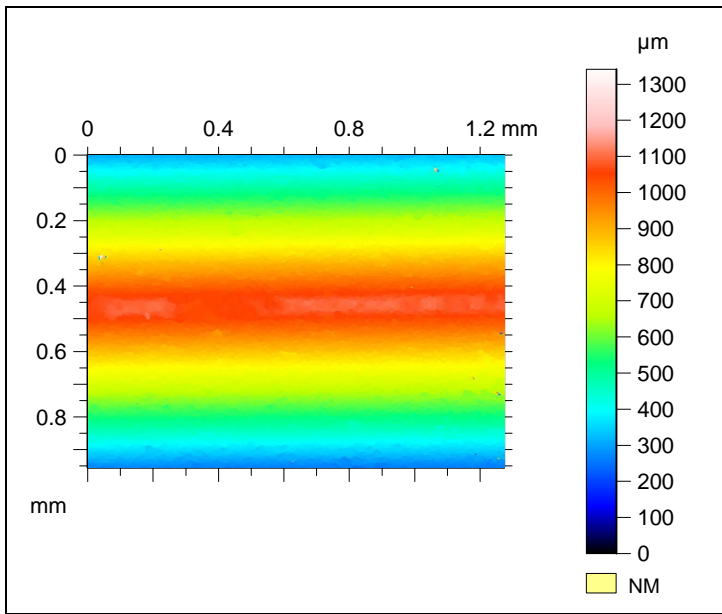
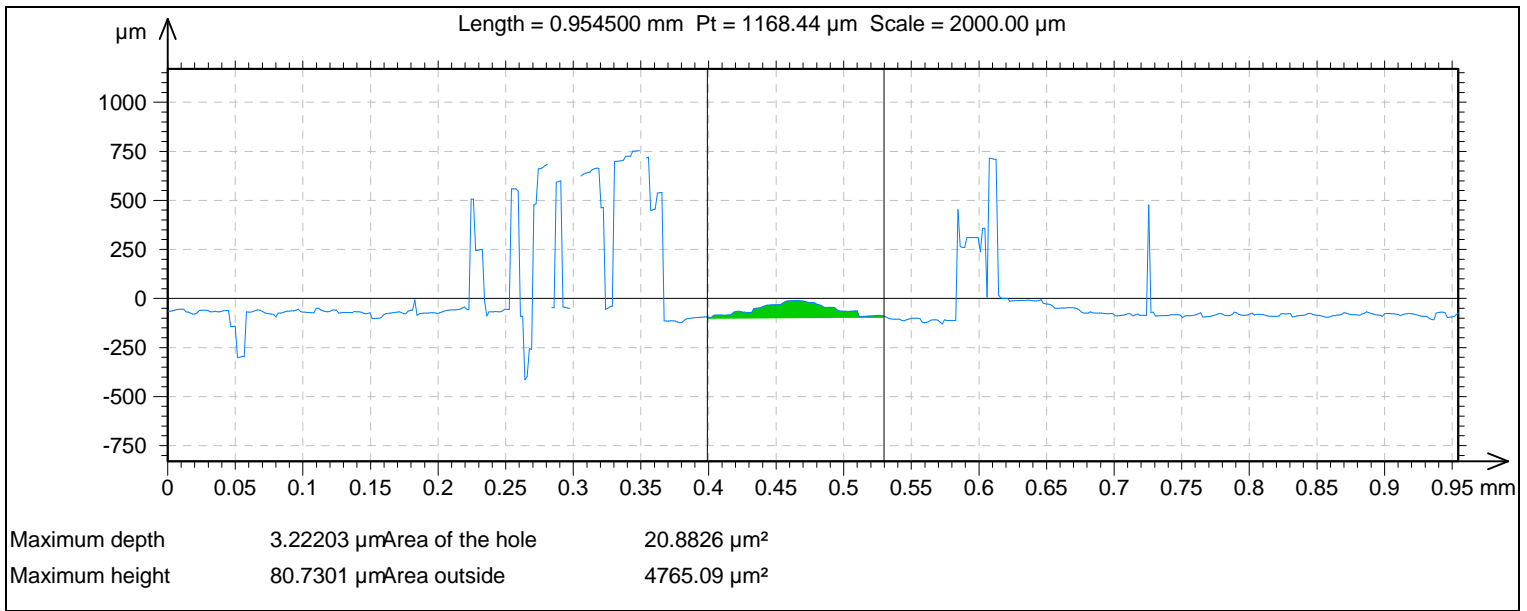


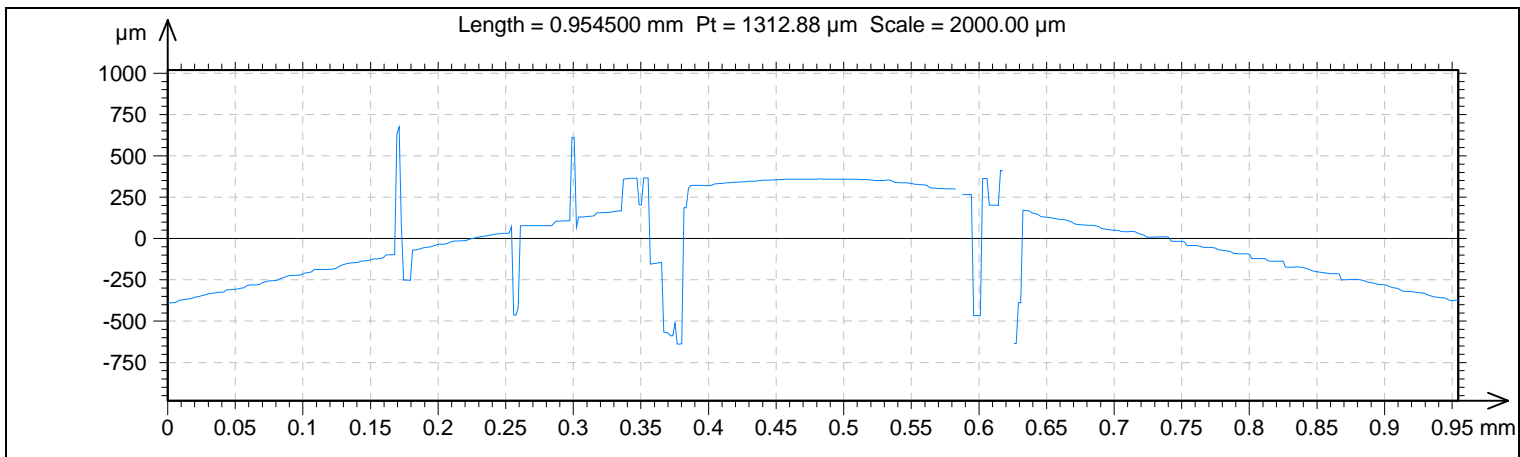
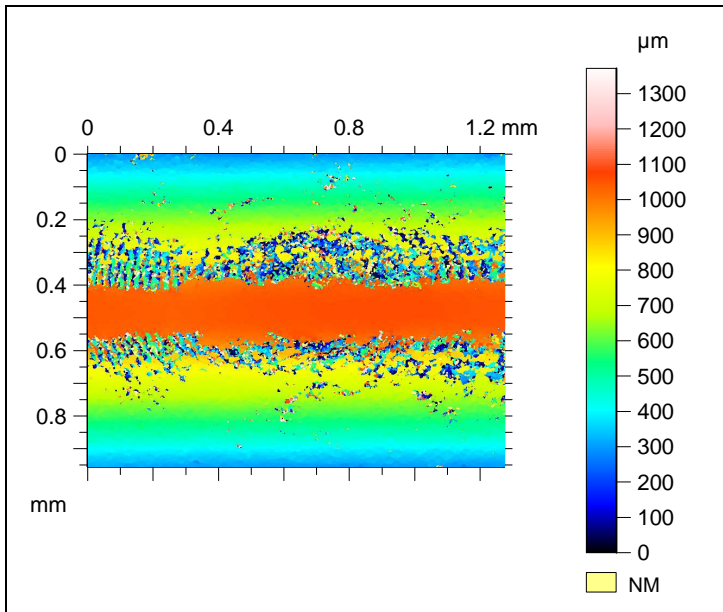
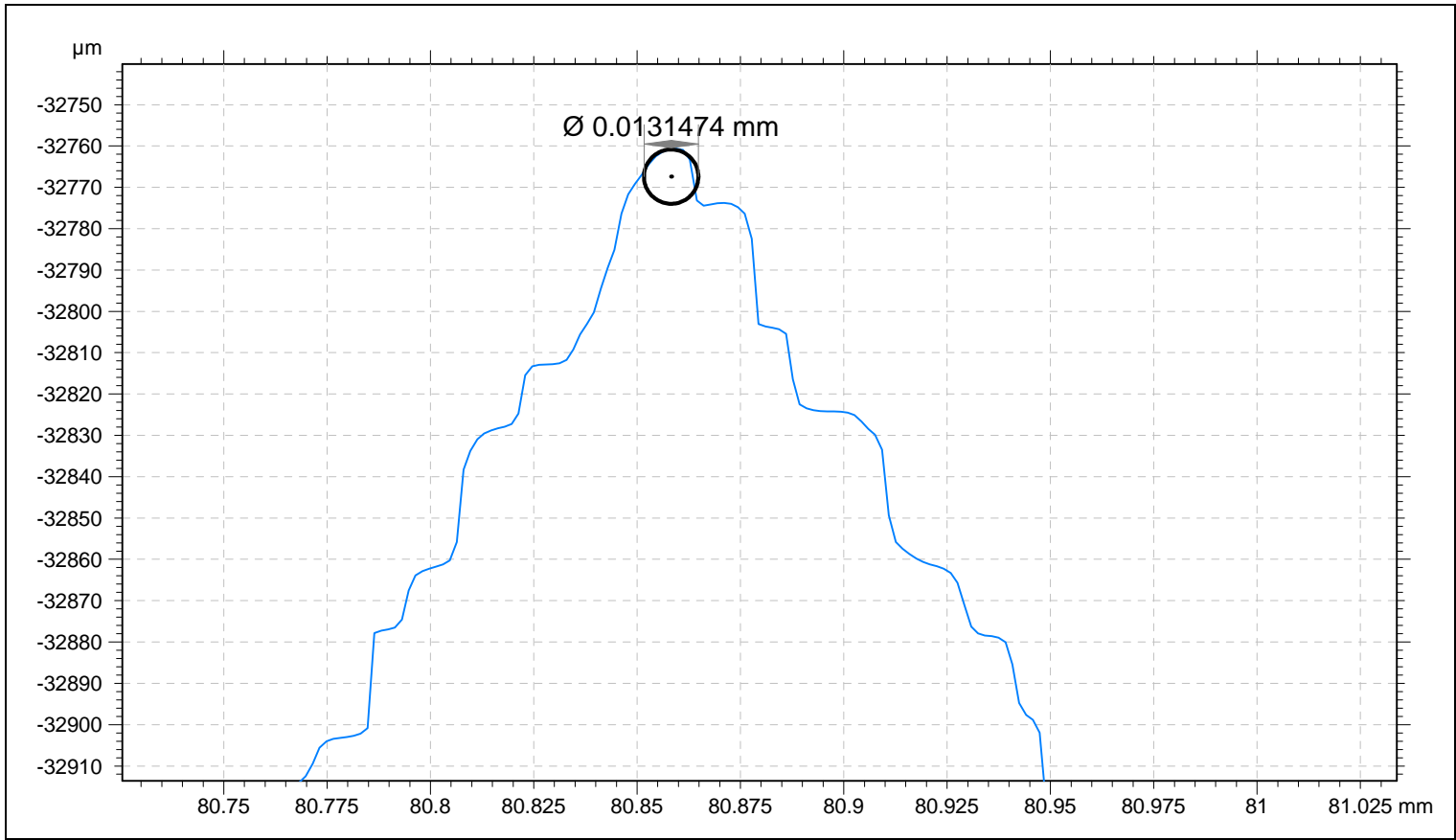
Maximum depth	0.00000 mm	Area of the hole	0.00000 mm <sup>2</sup>
Maximum height	74.2746 $\mu\text{m}$	Area outside	4523.68 $\mu\text{m}^2$

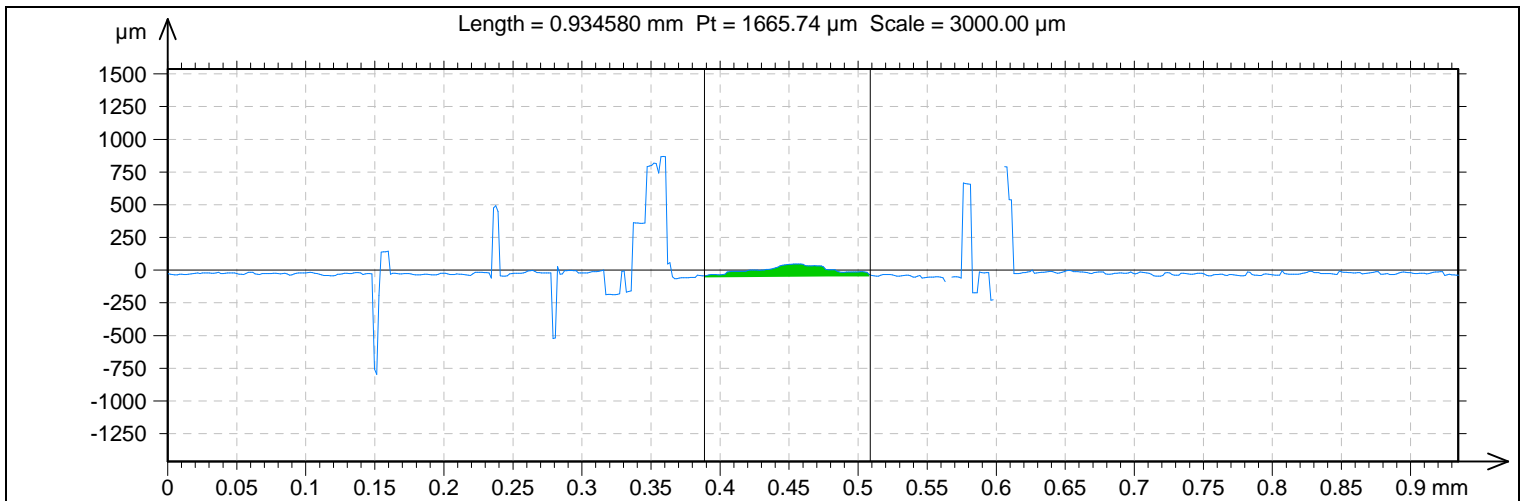
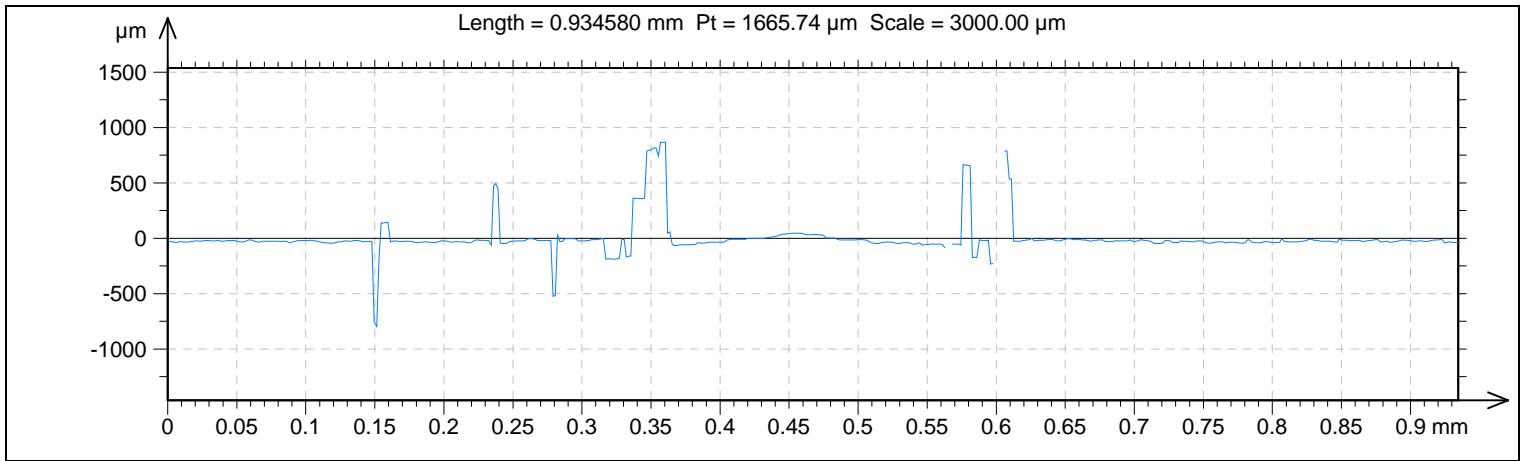
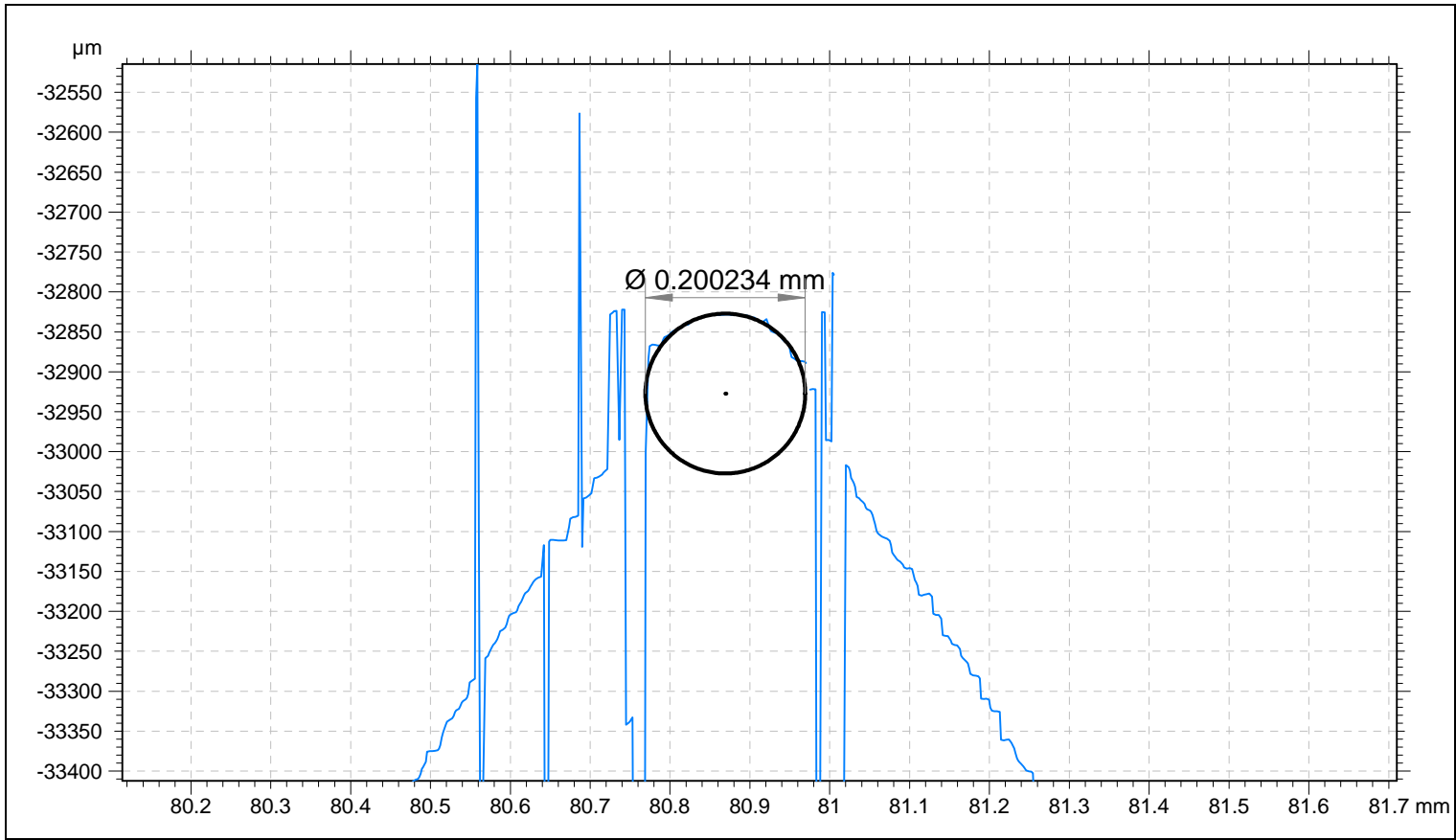








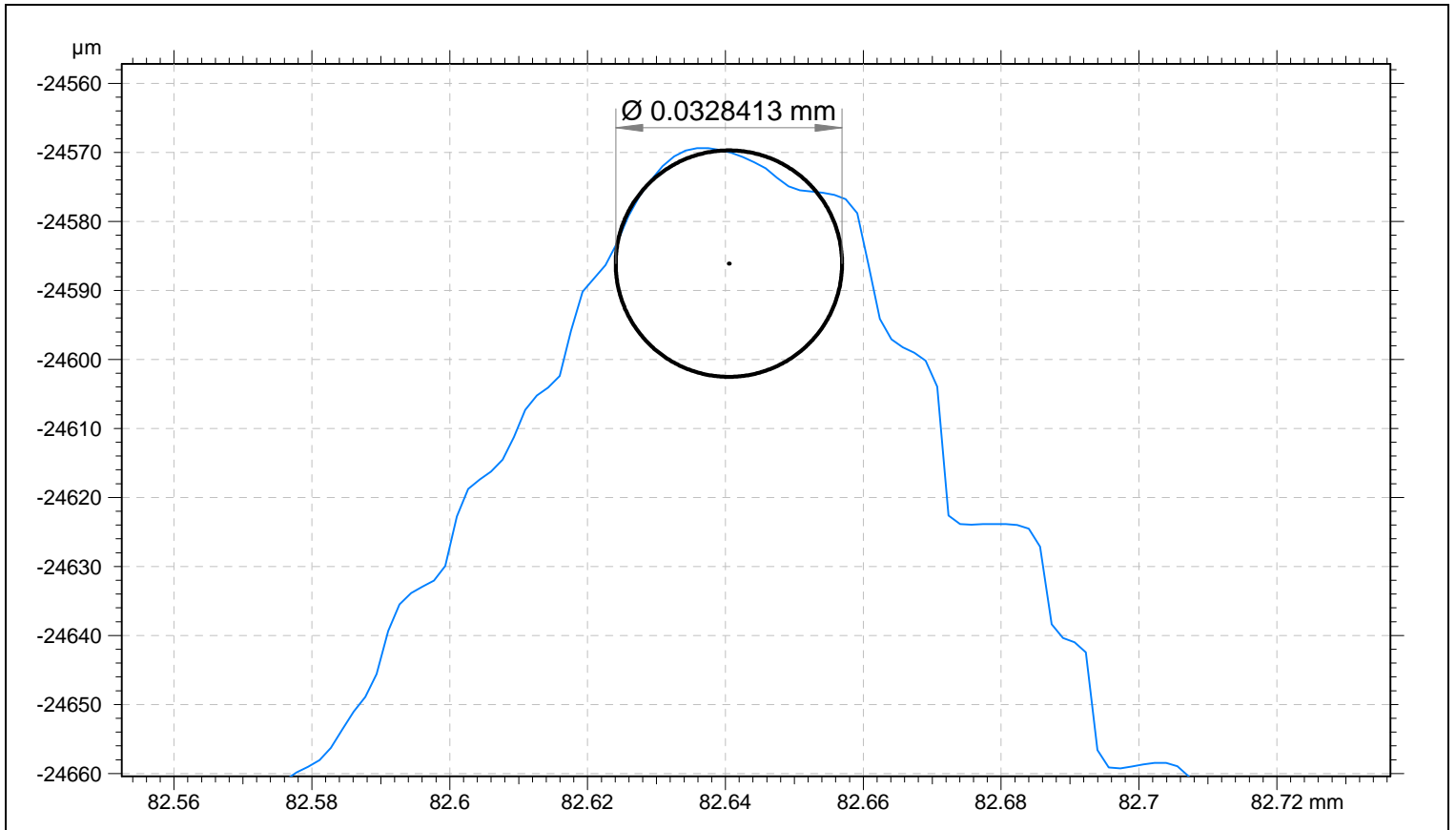
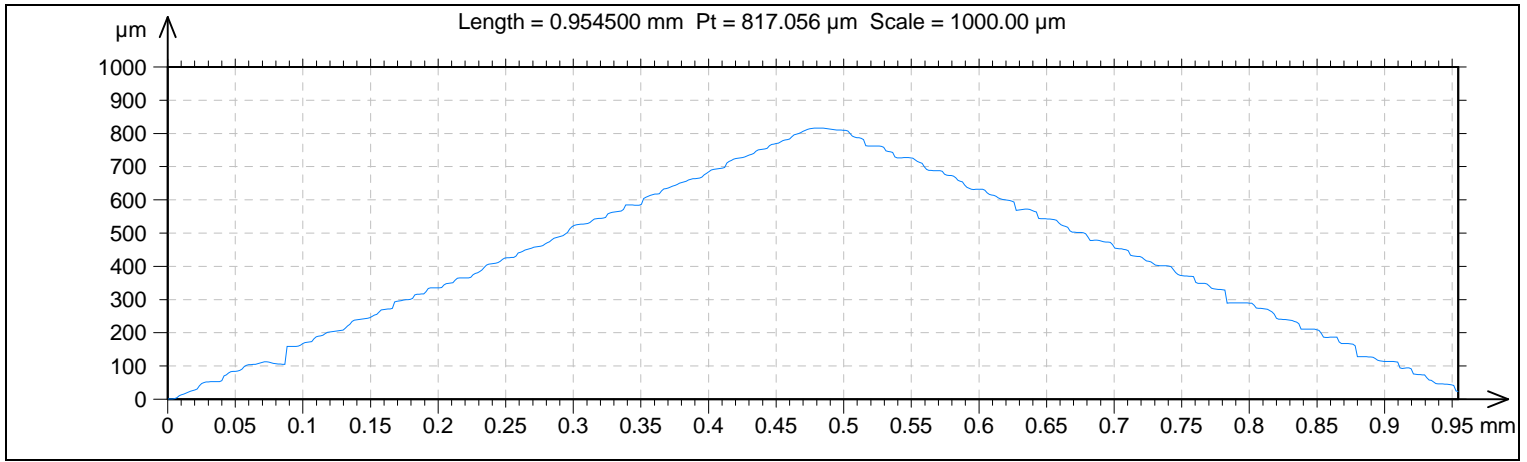
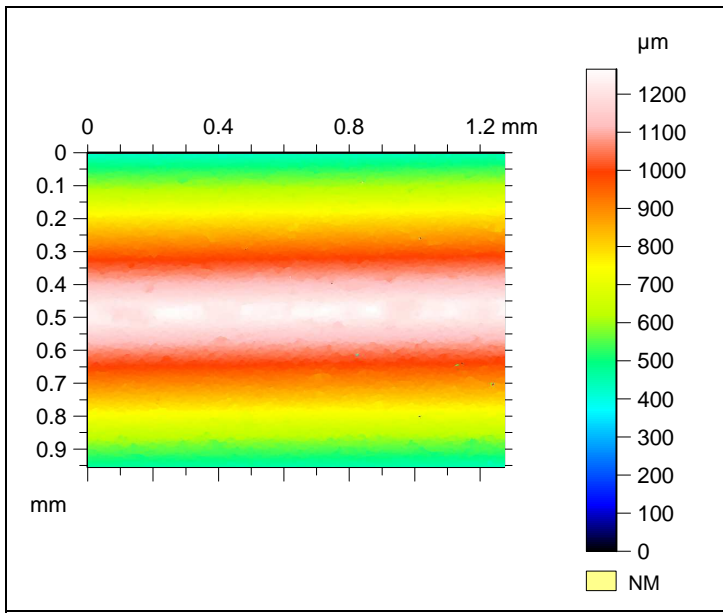


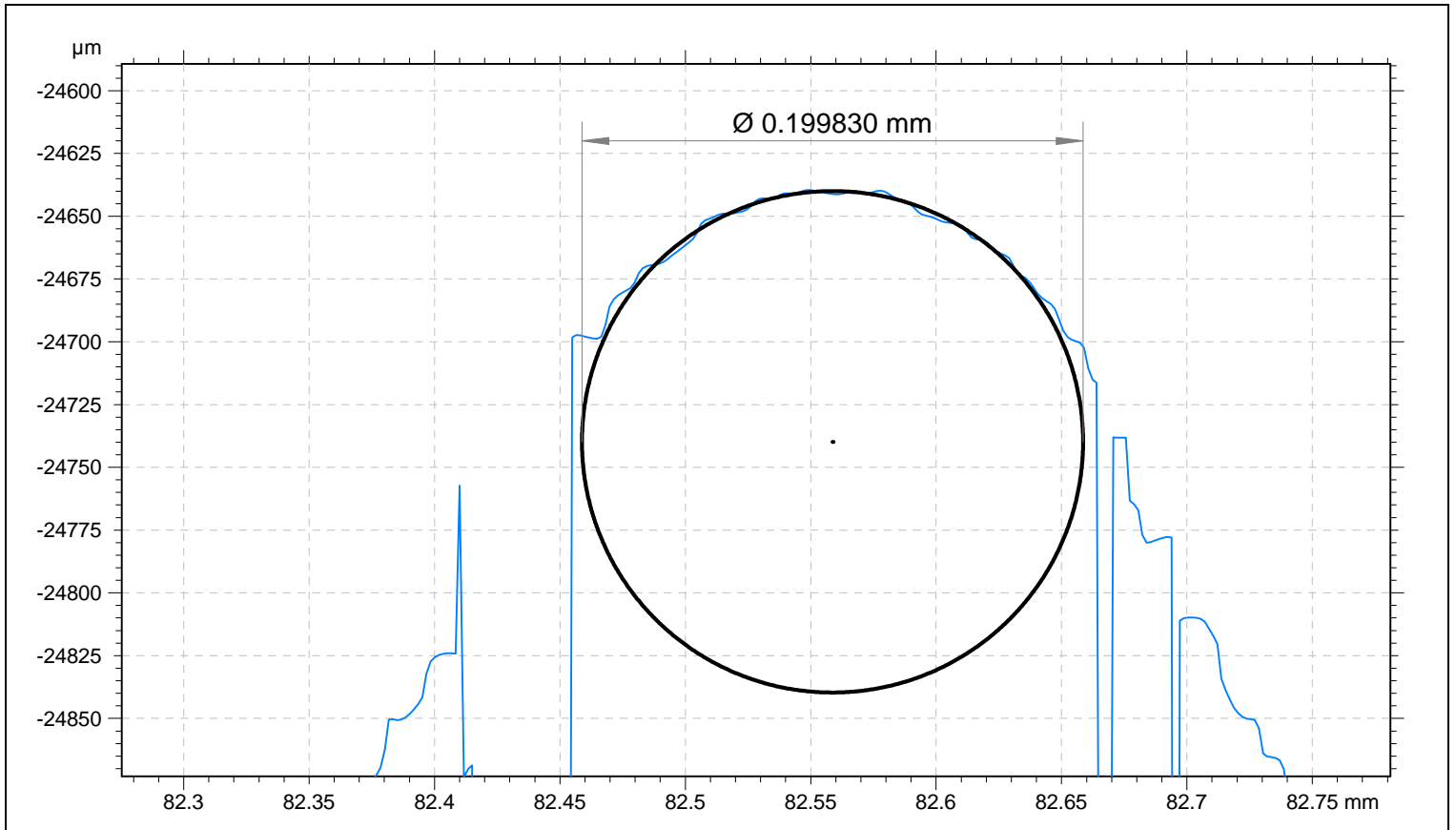
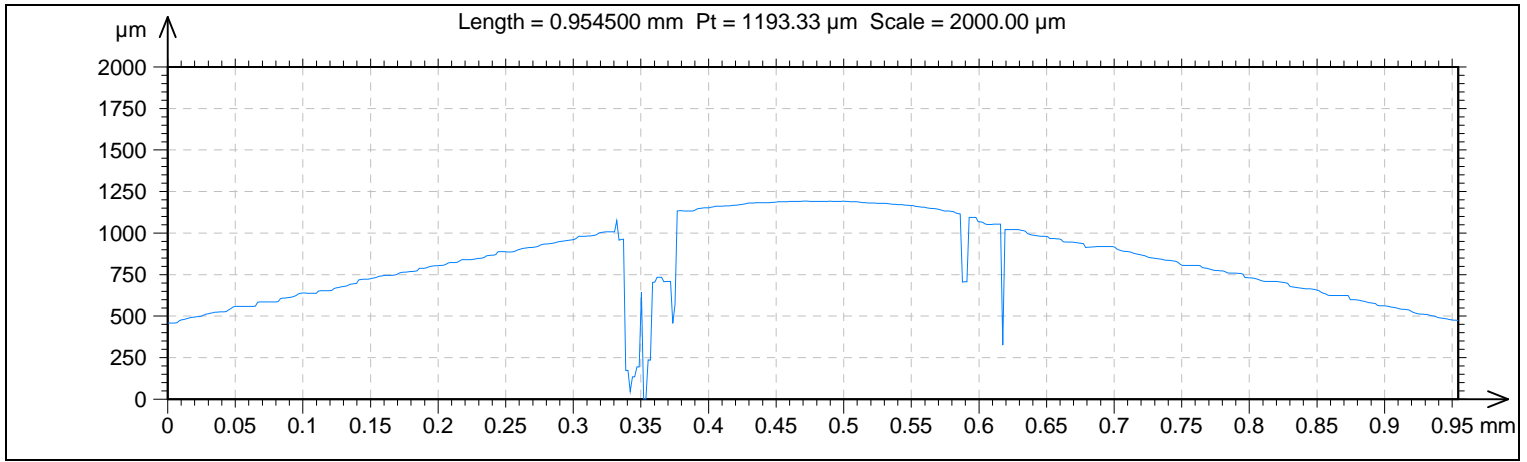
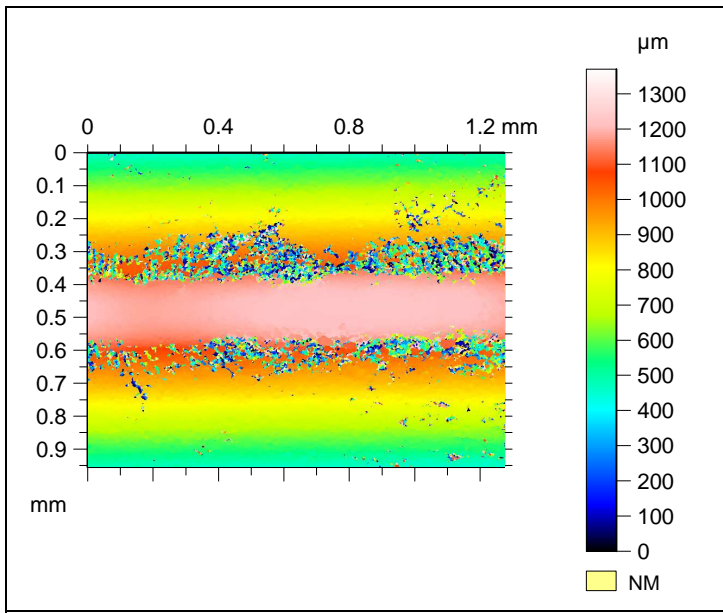


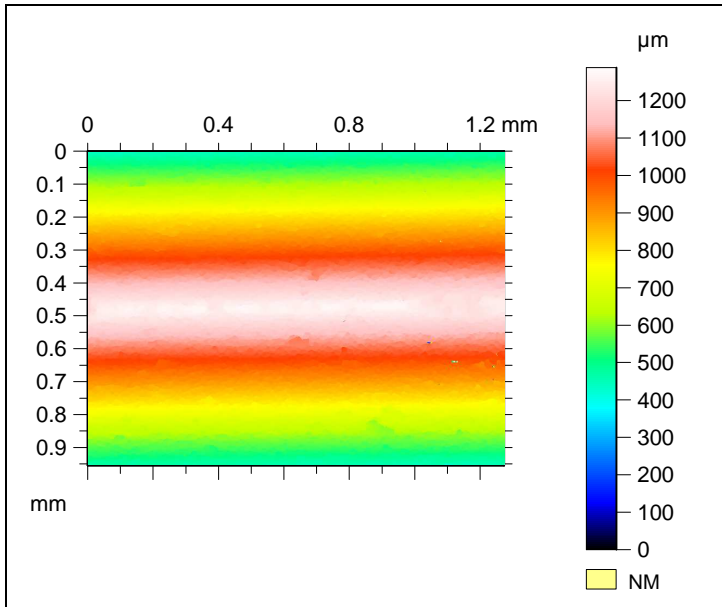
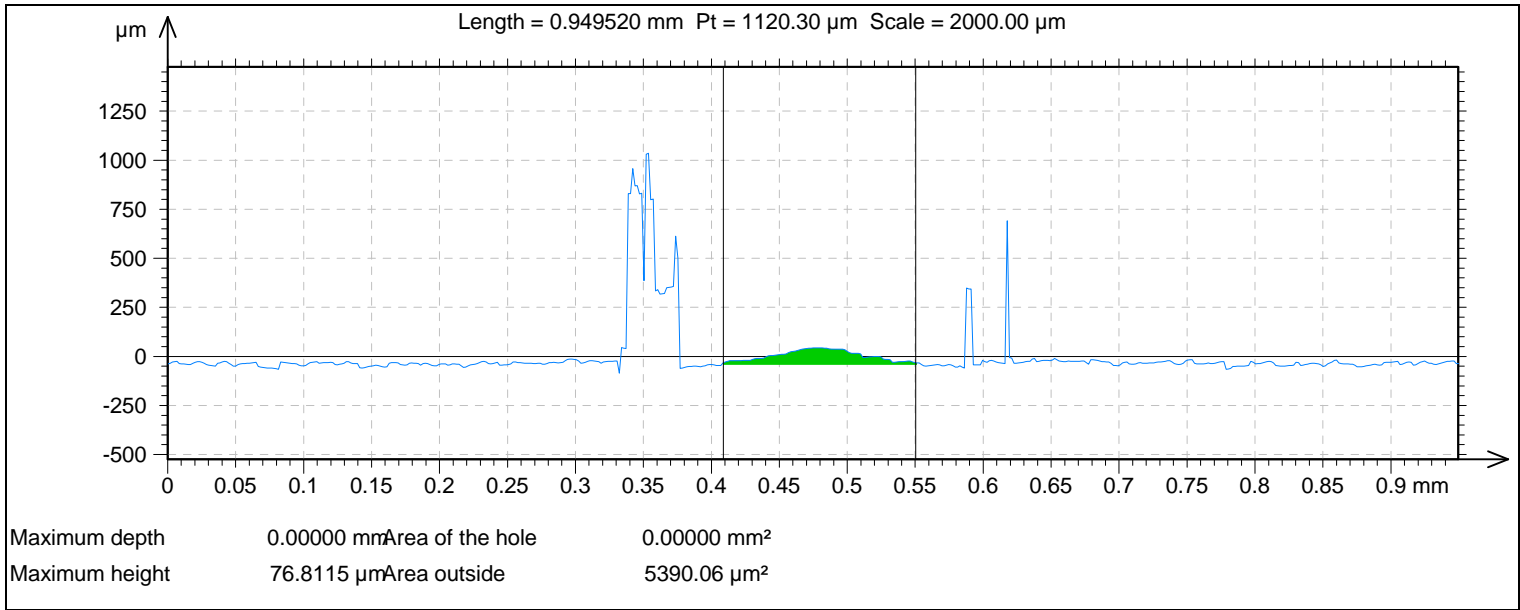
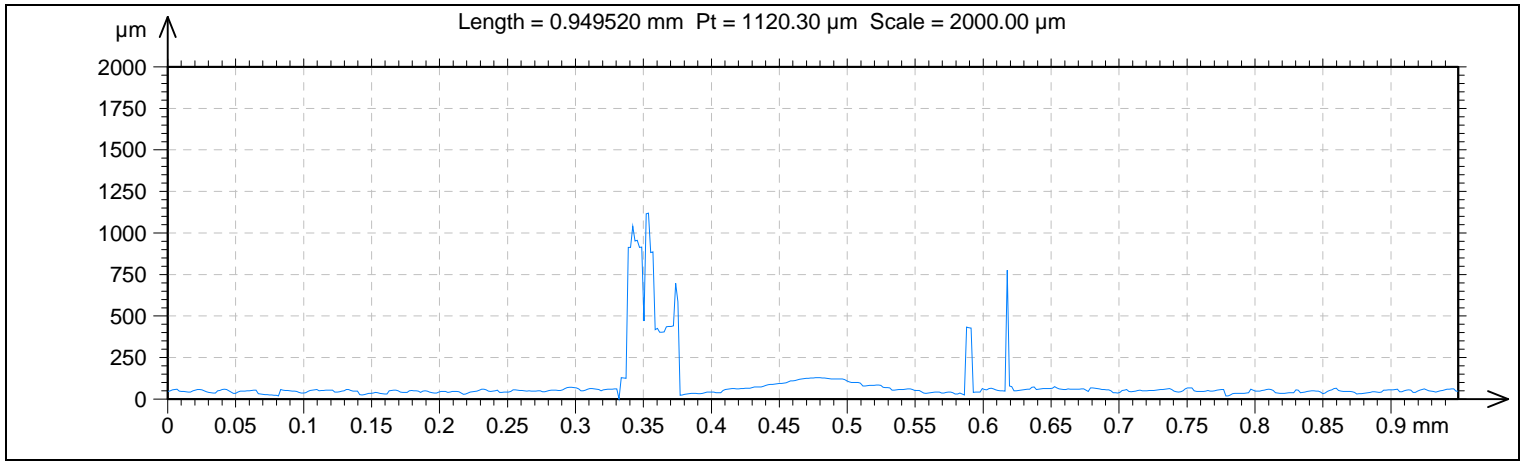
Maximum depth	0.00000 mm	Area of the hole	0.00000 mm <sup>2</sup>
Maximum height	84.1403 $\mu\text{m}$	Area outside	4884.10 $\mu\text{m}^2$

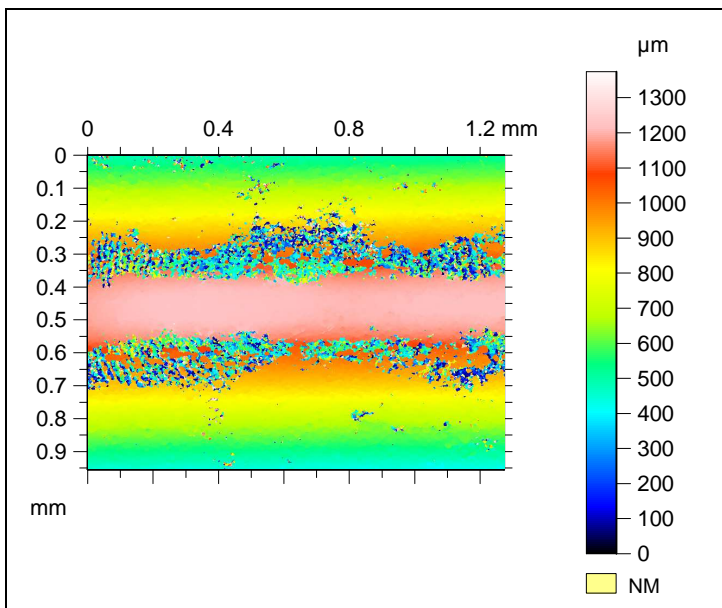
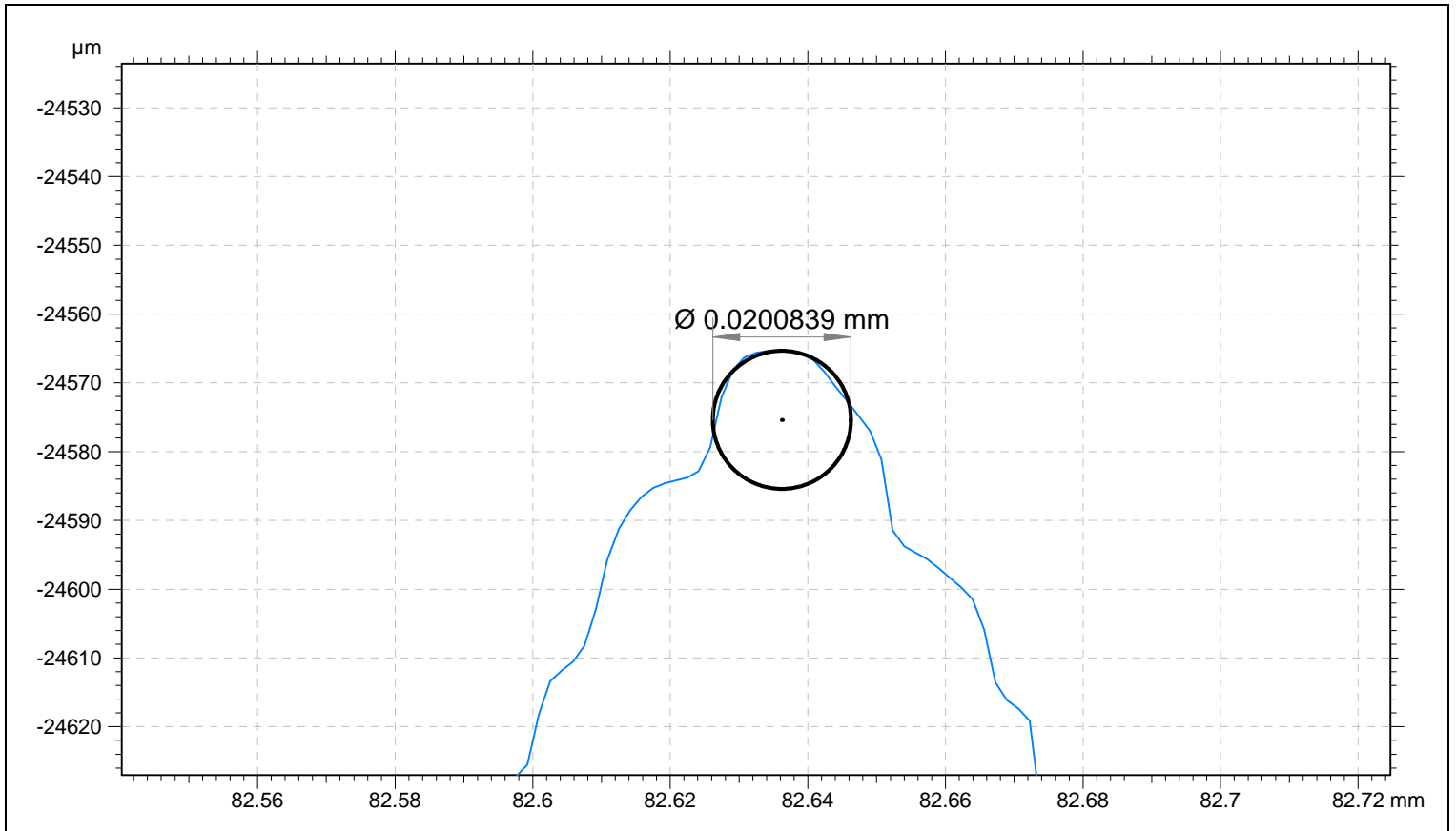
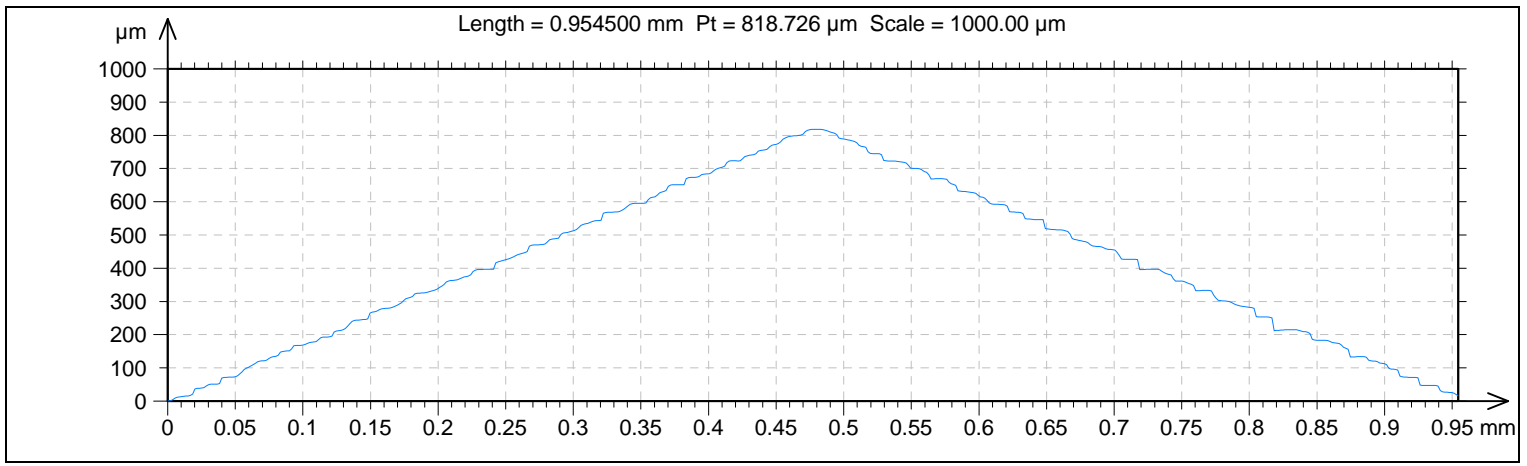


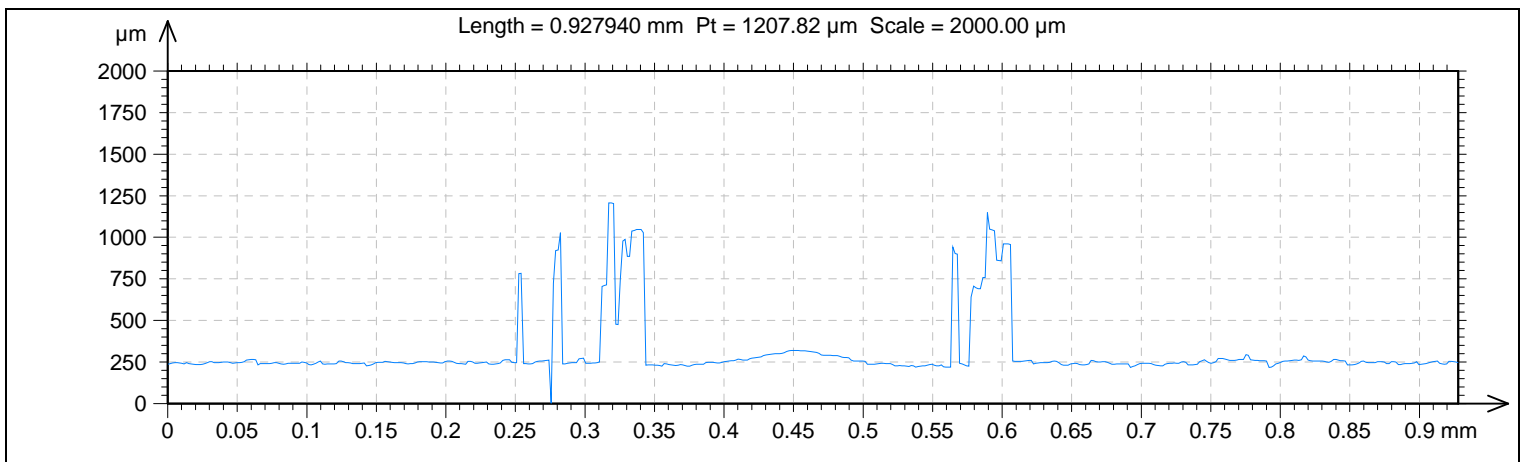
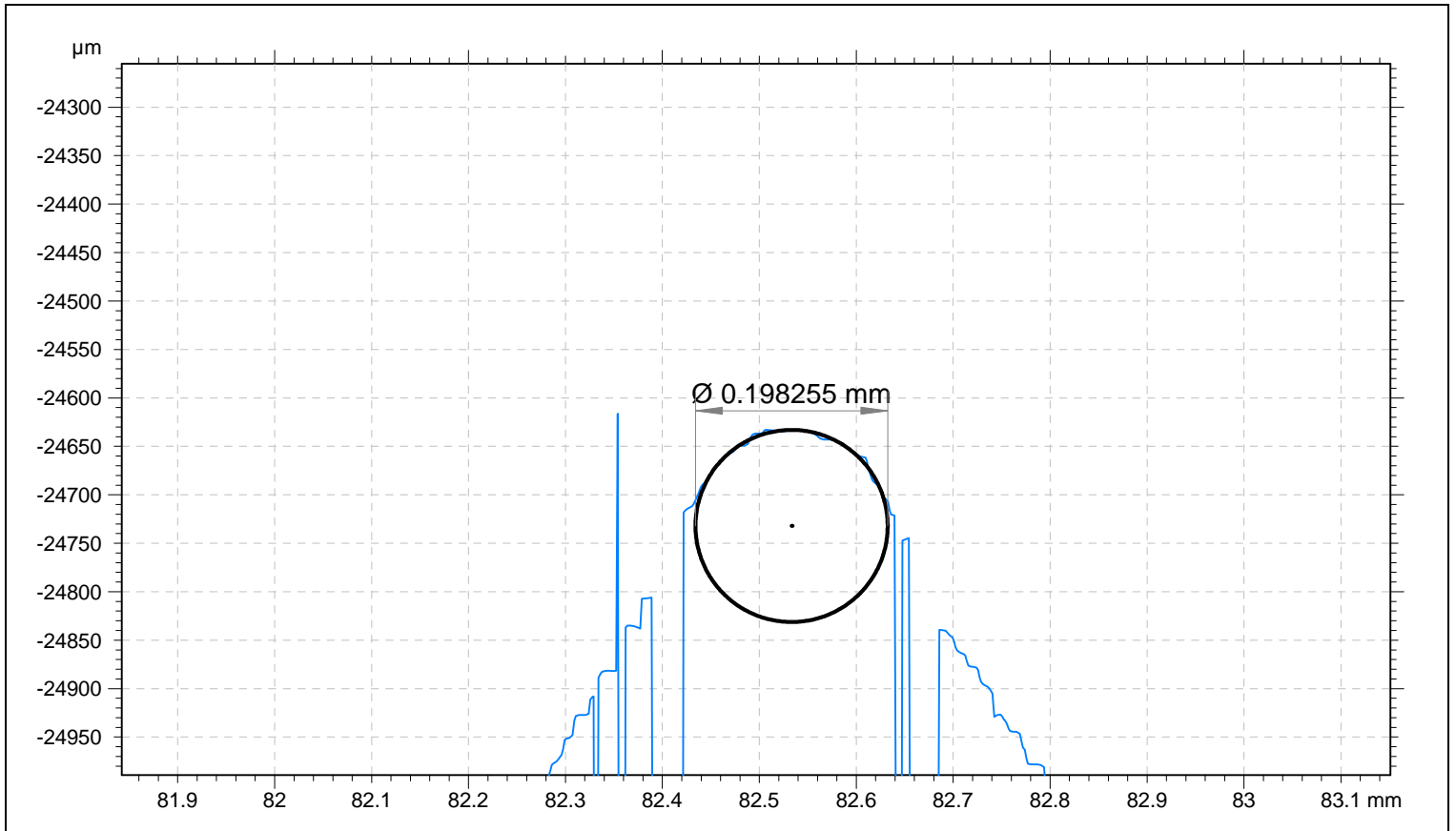
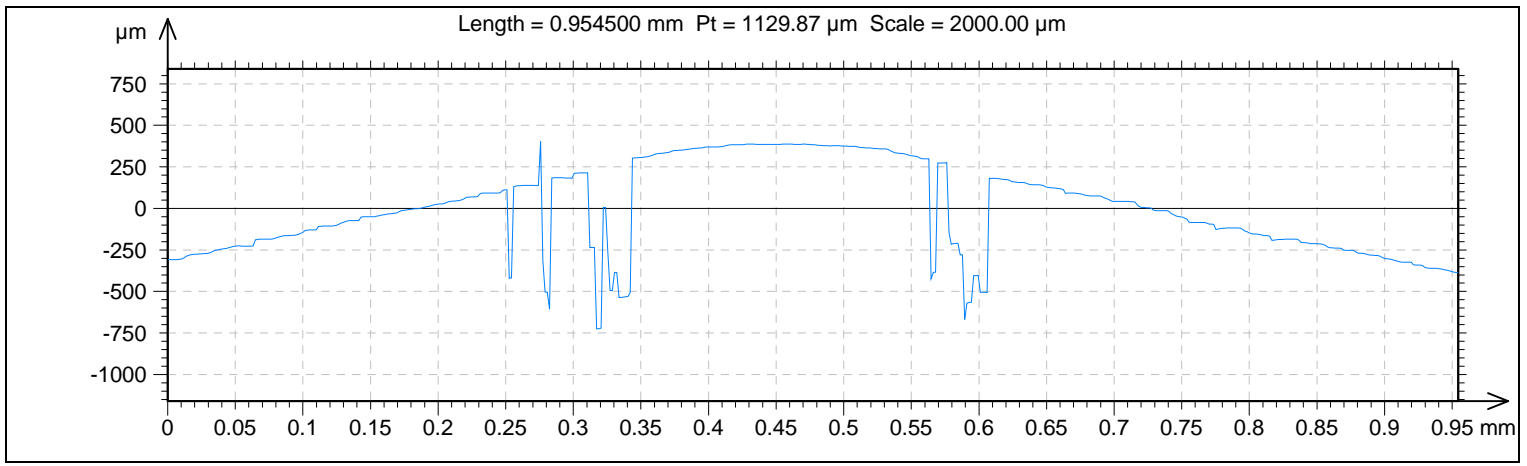


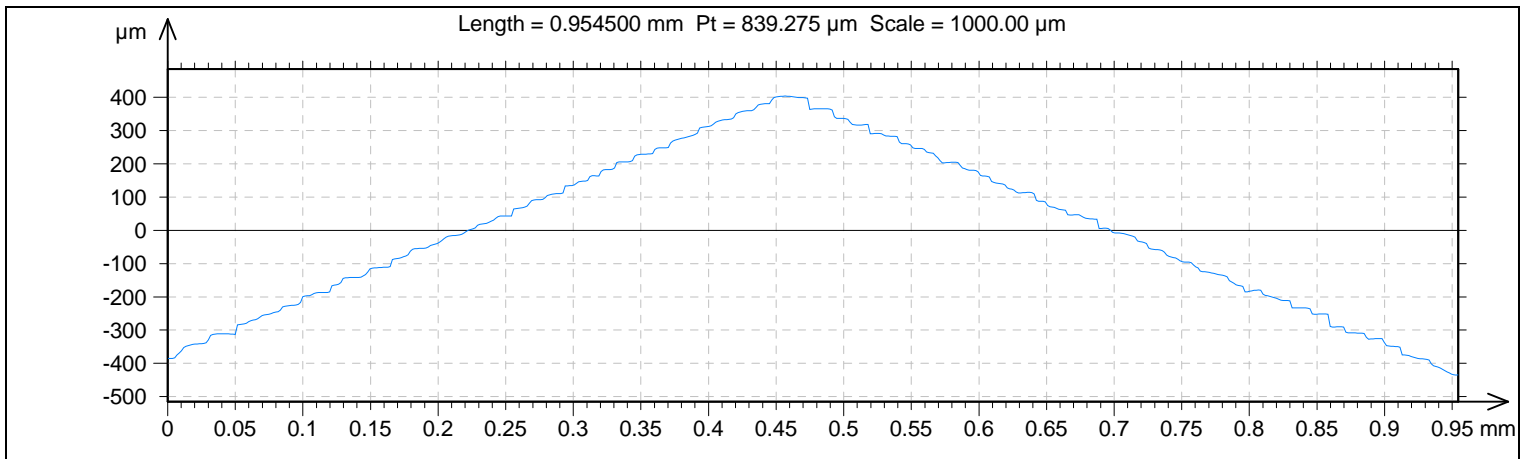
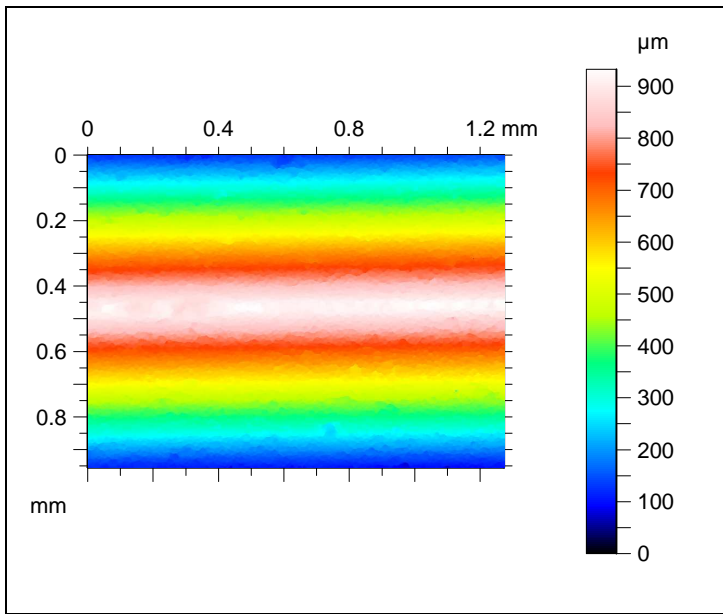
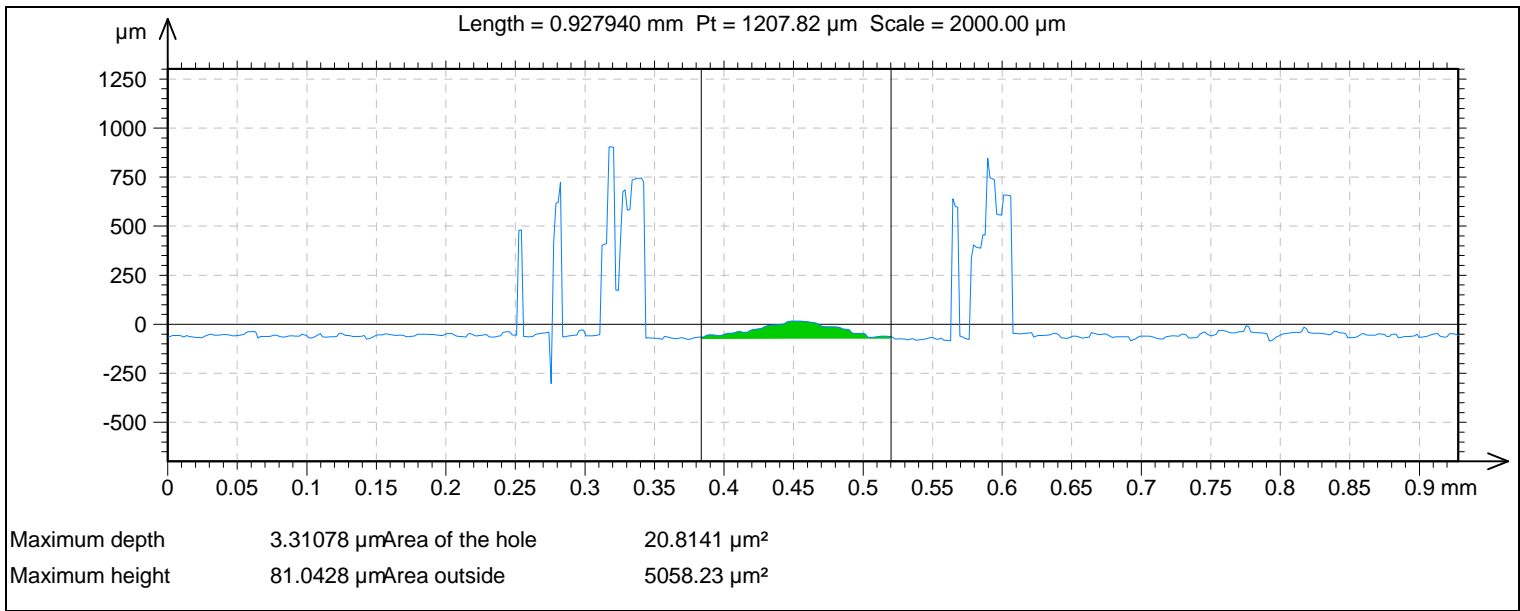


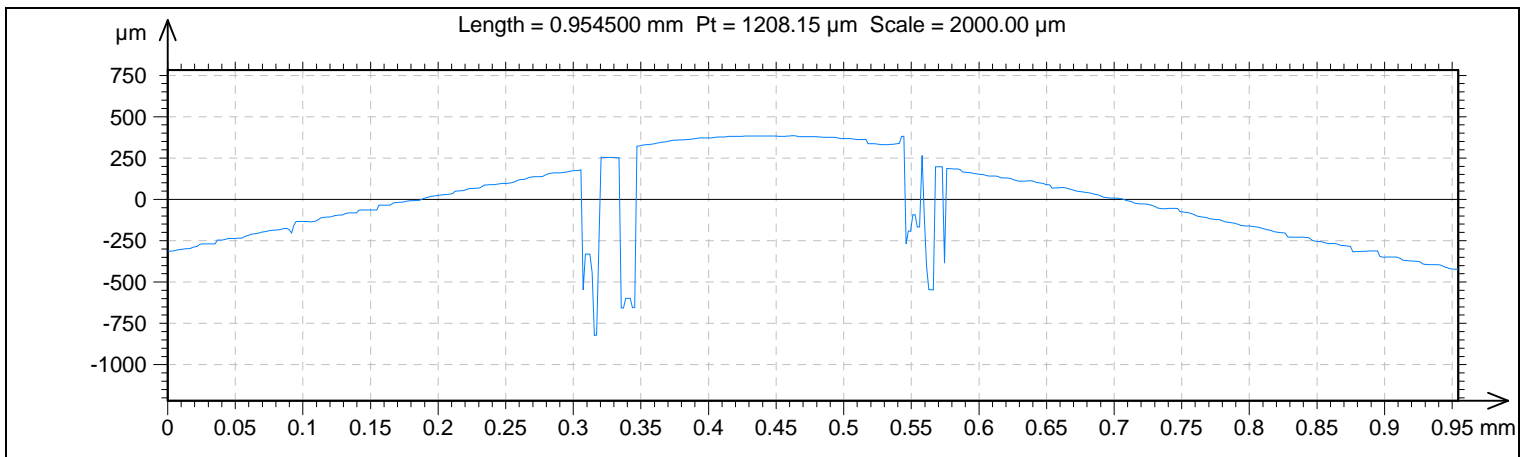
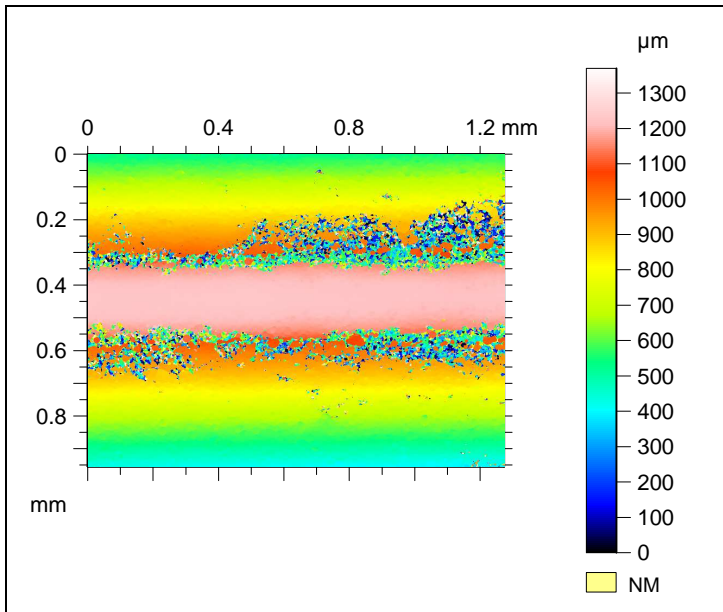
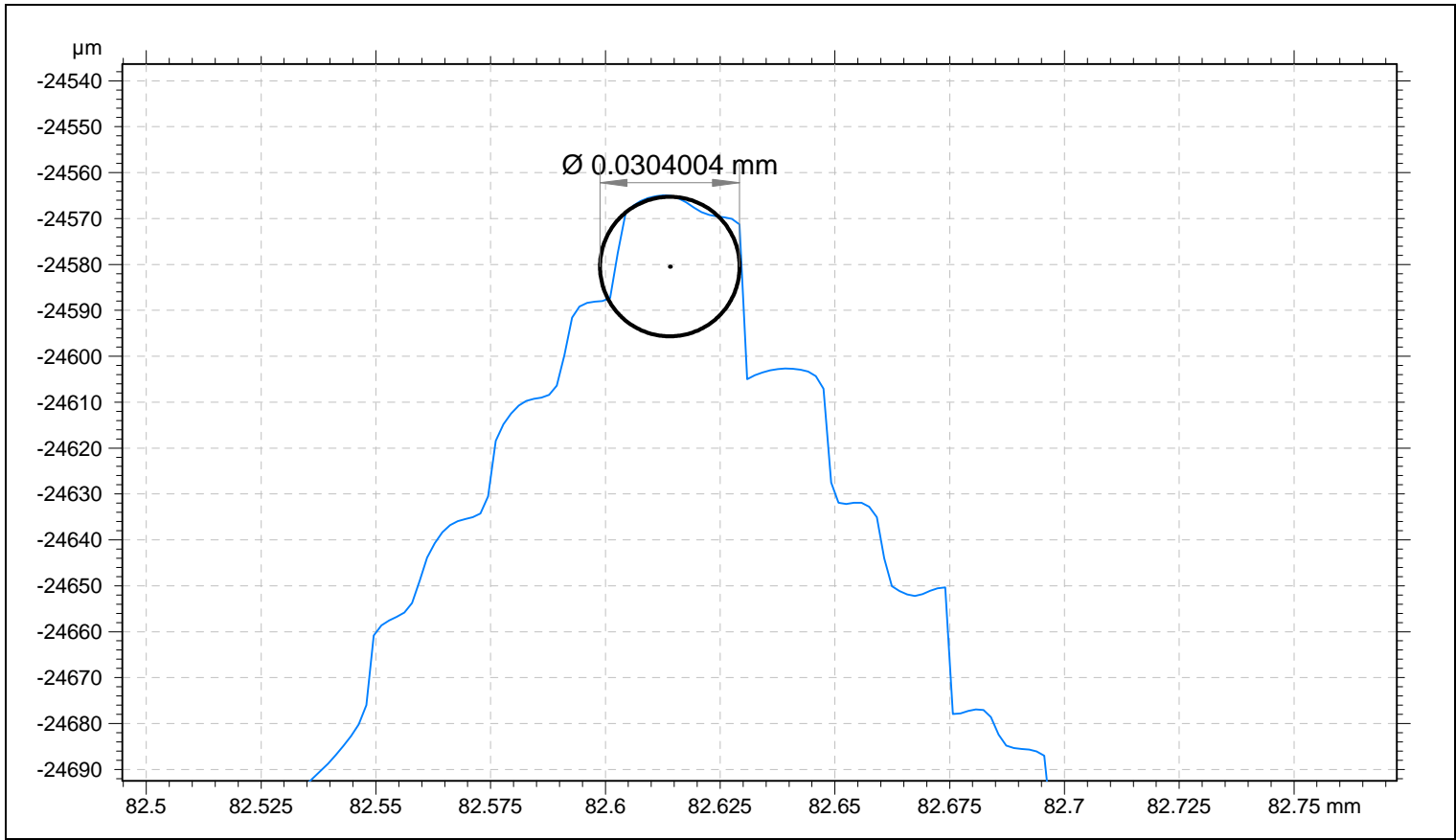




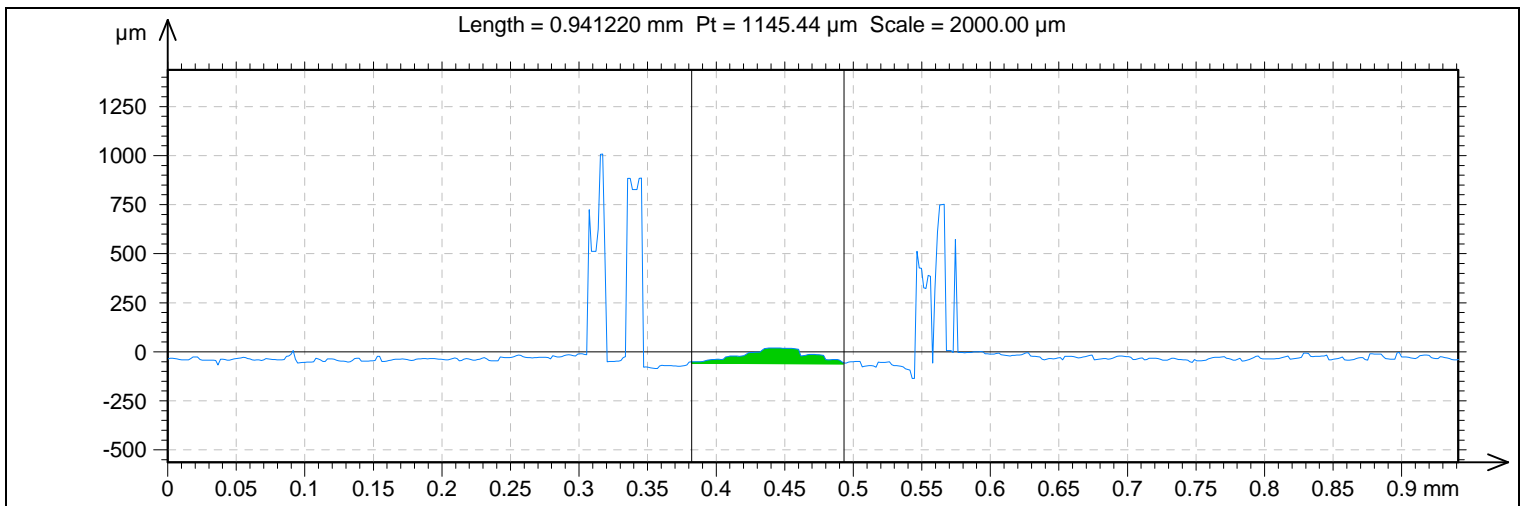
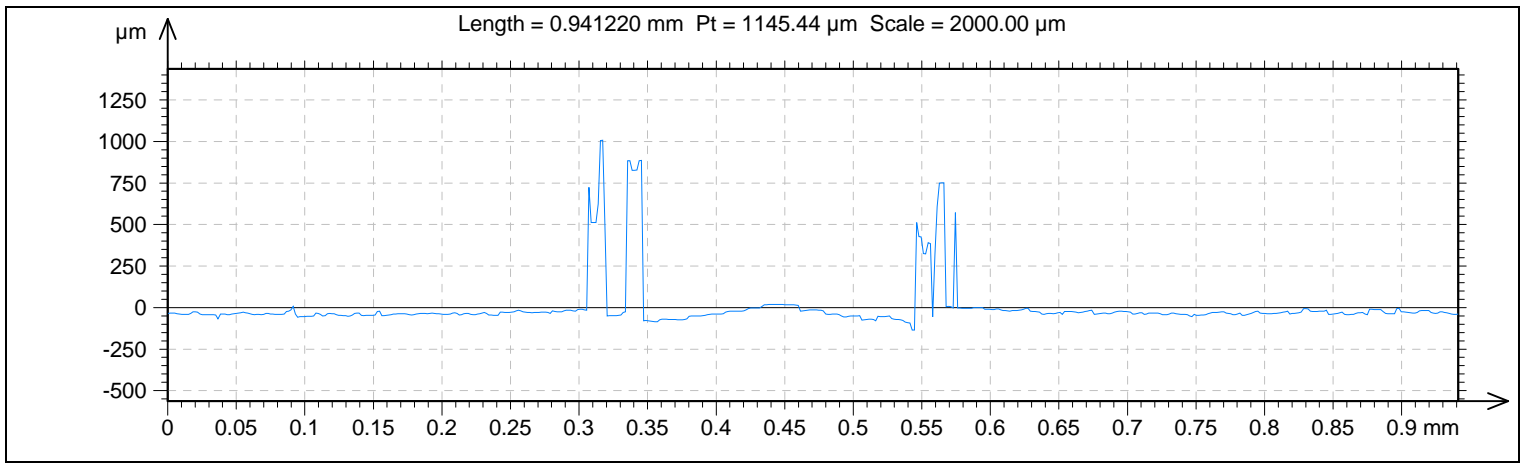




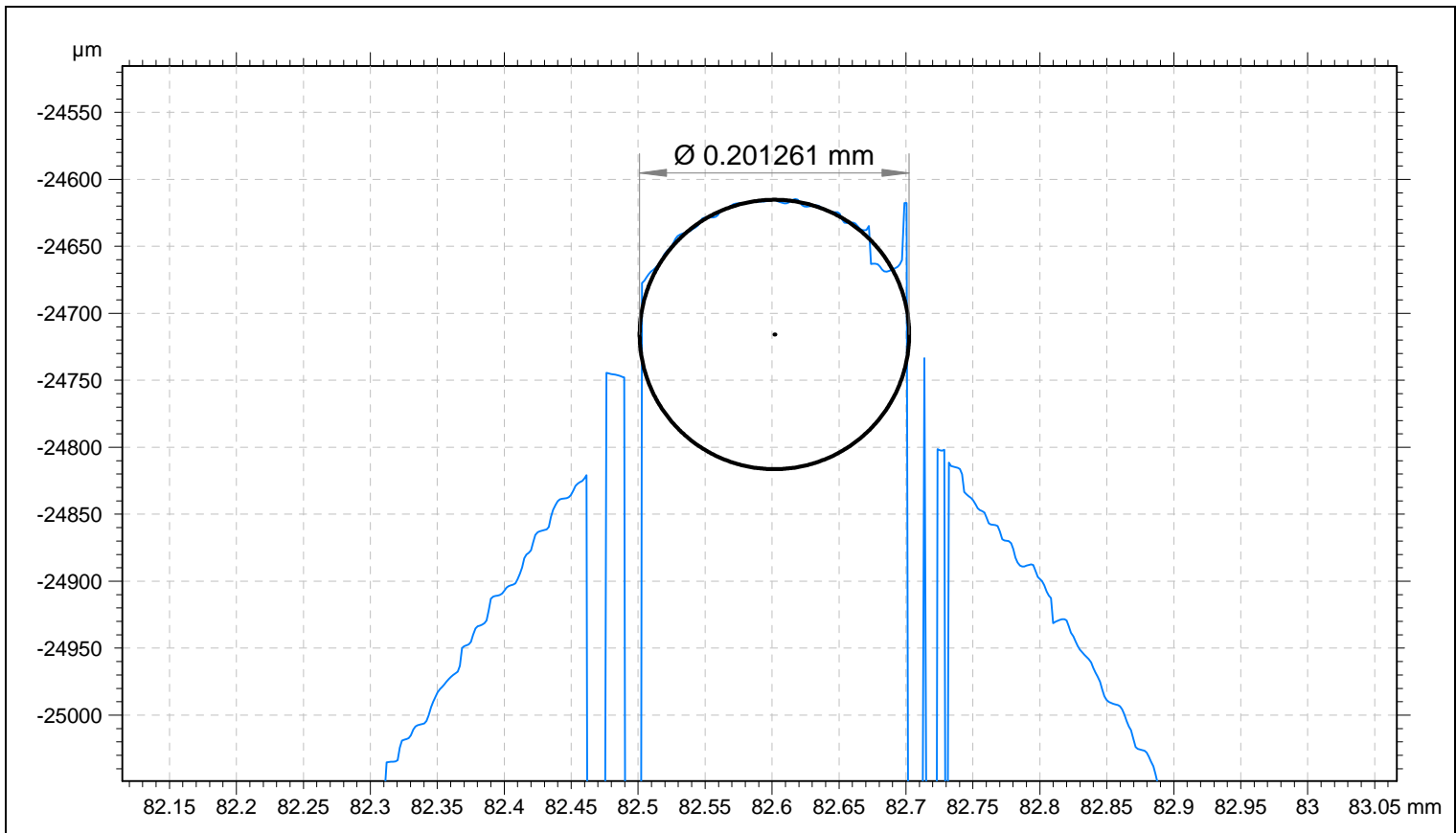


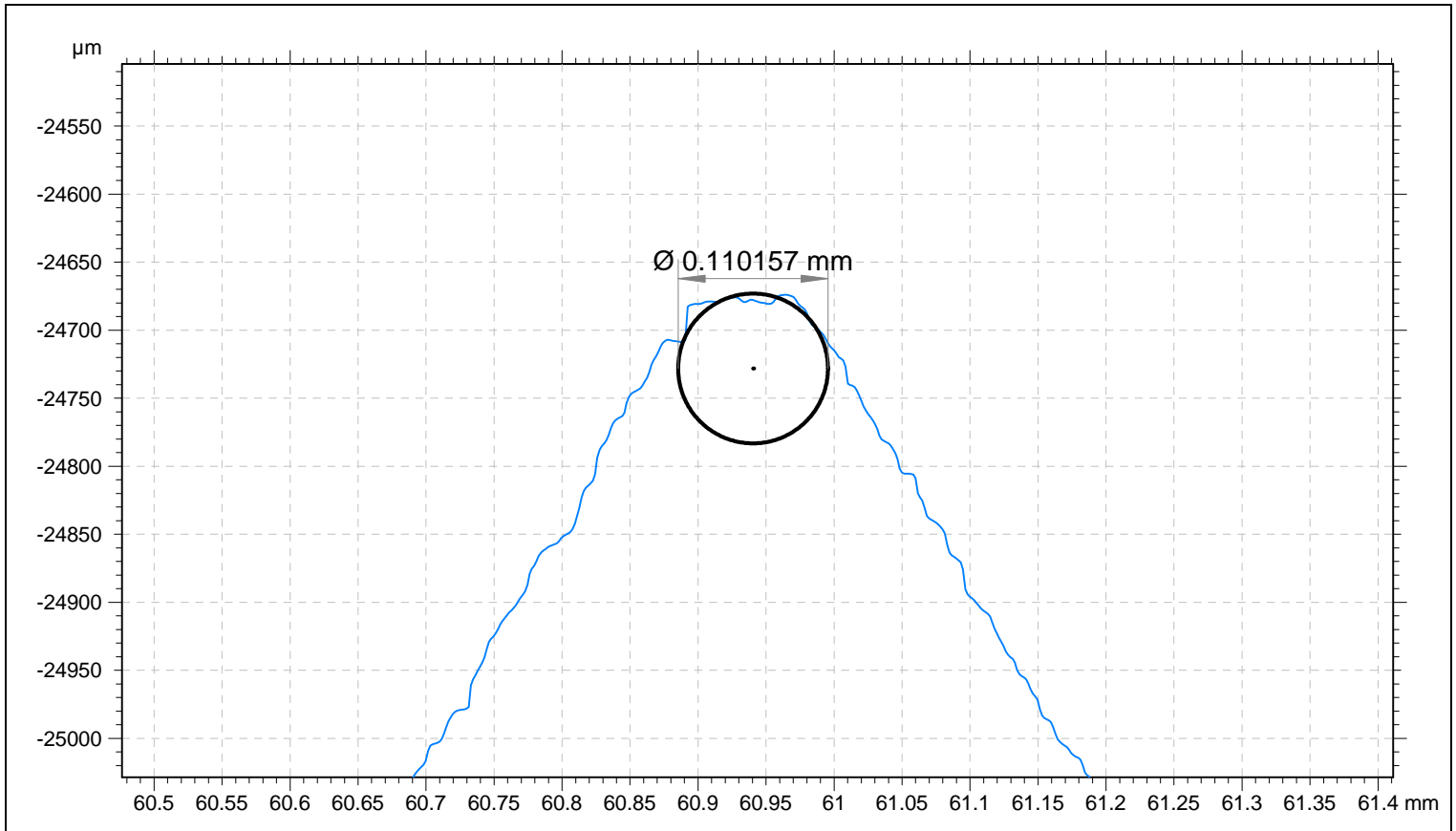
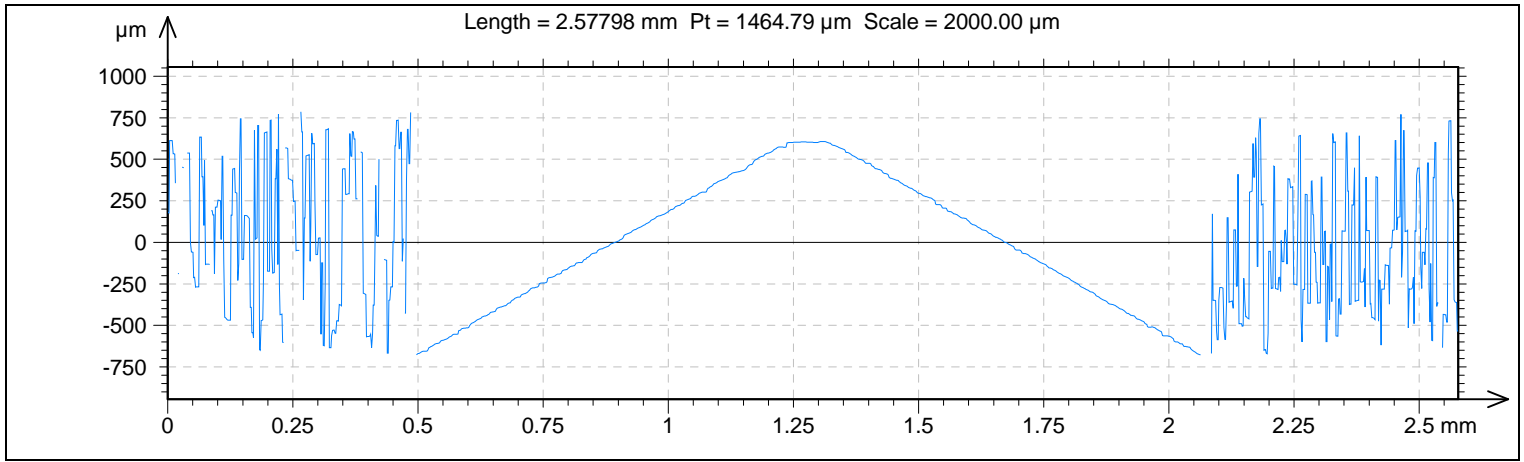
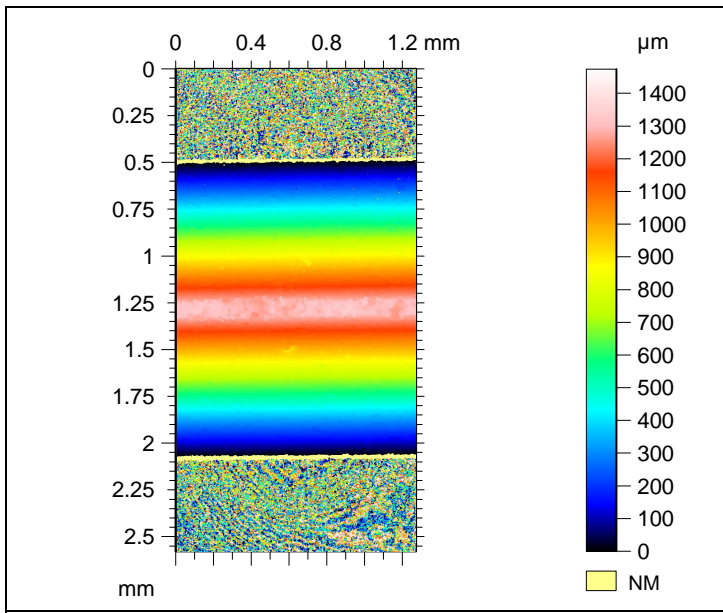


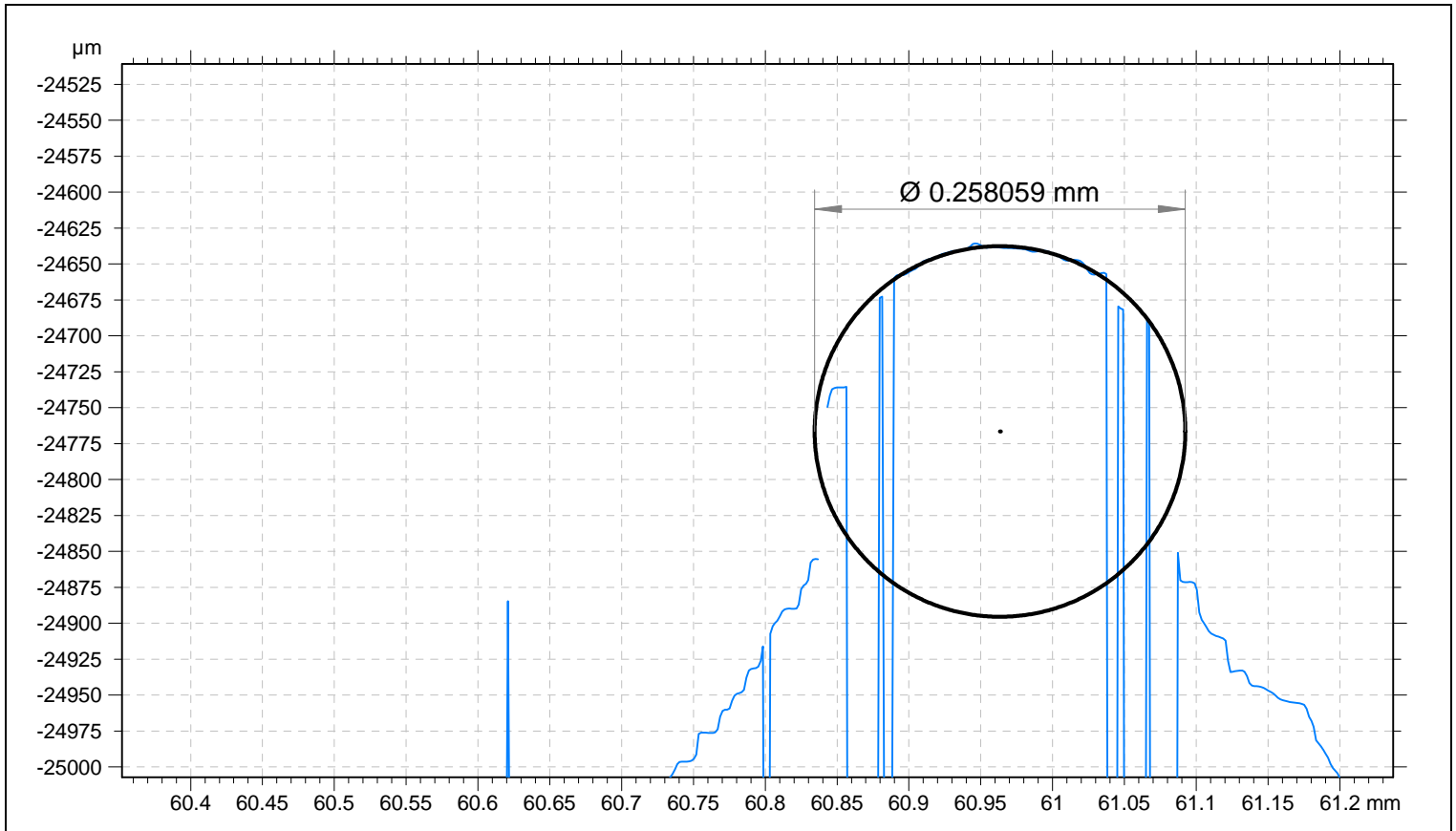
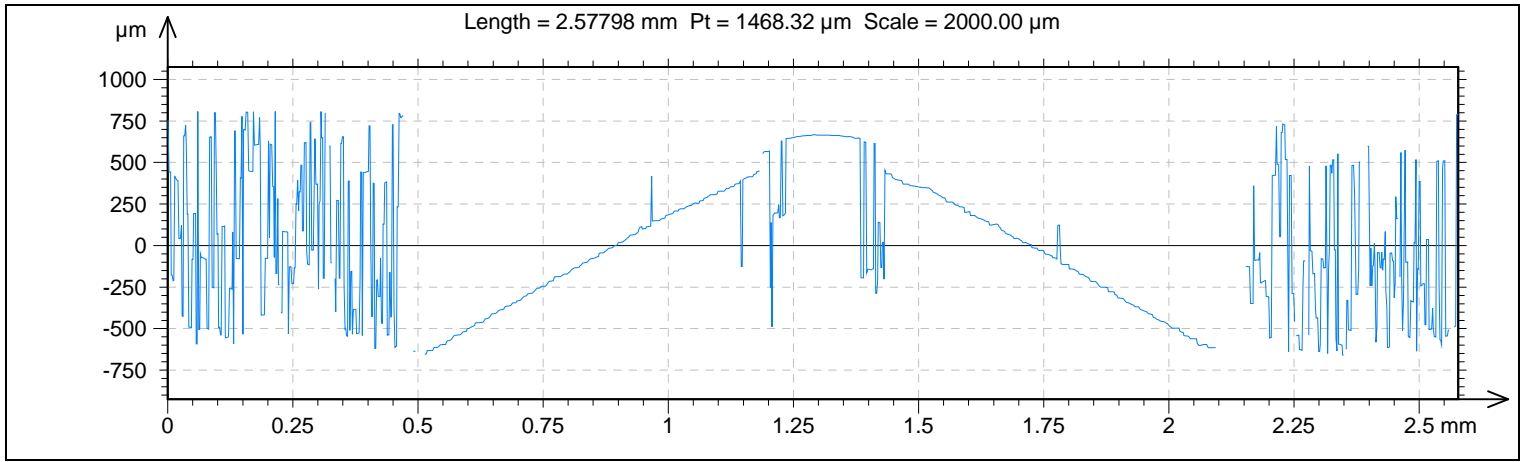
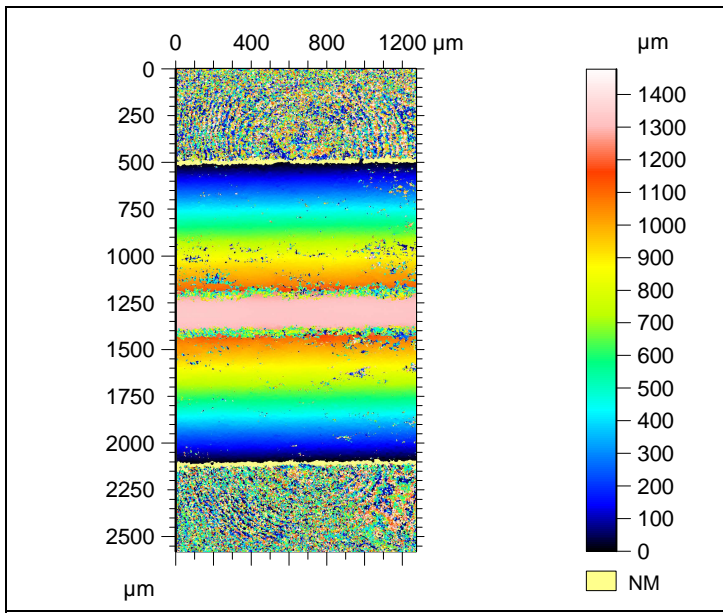


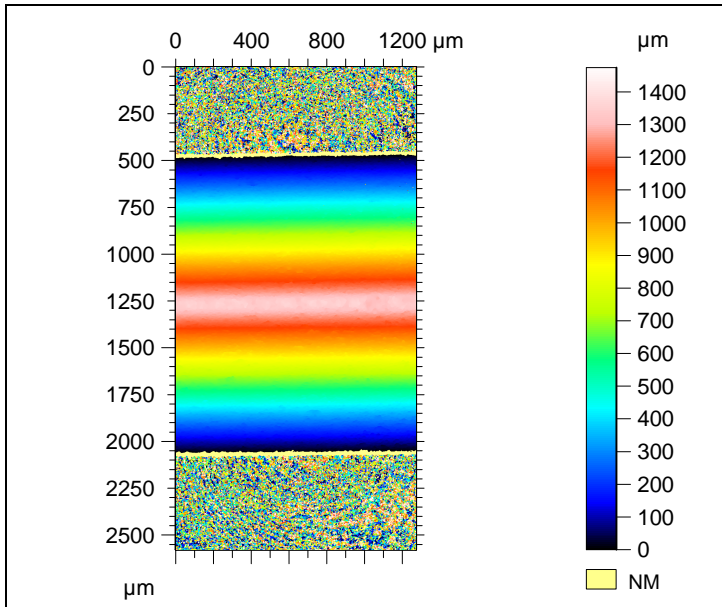
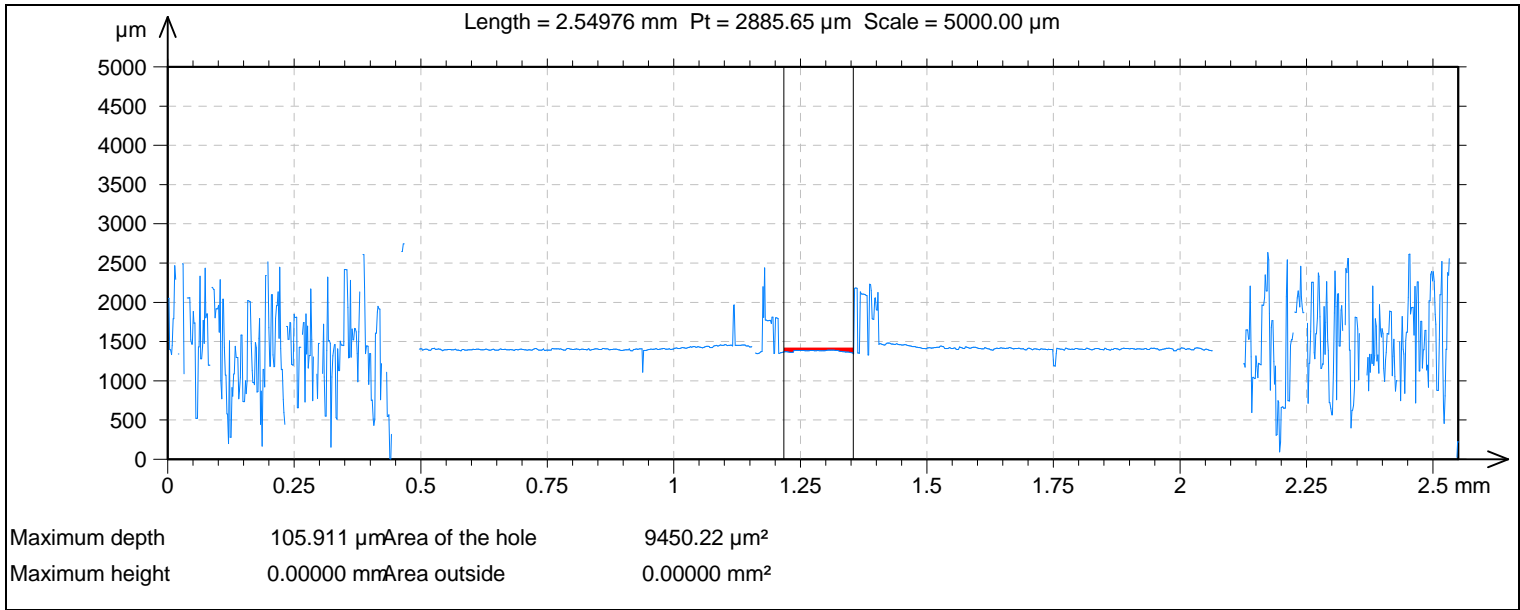
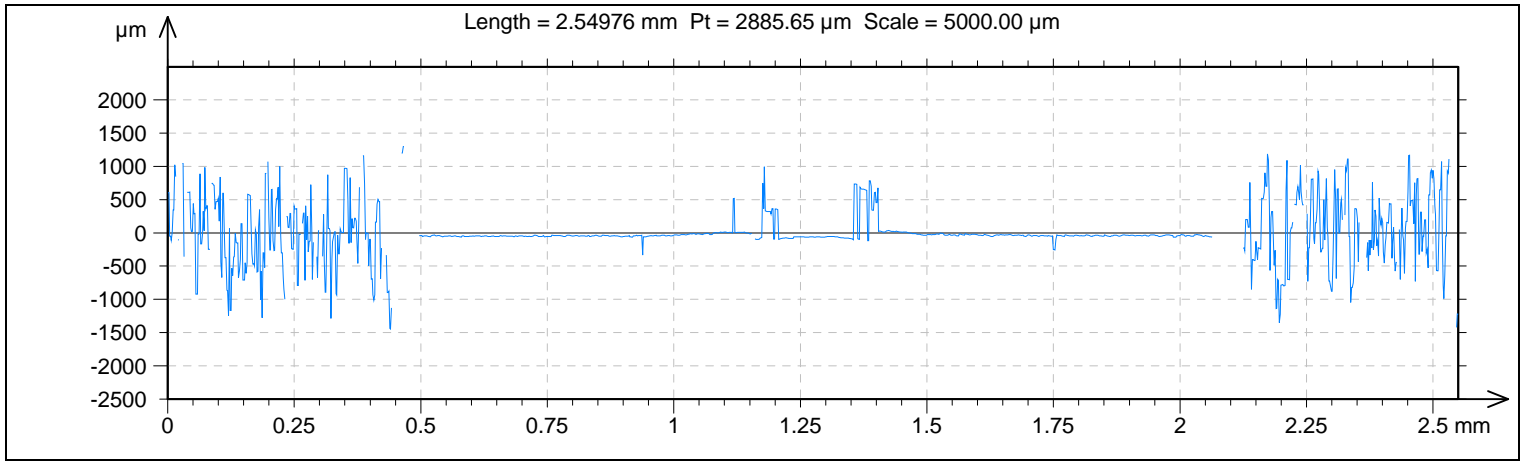


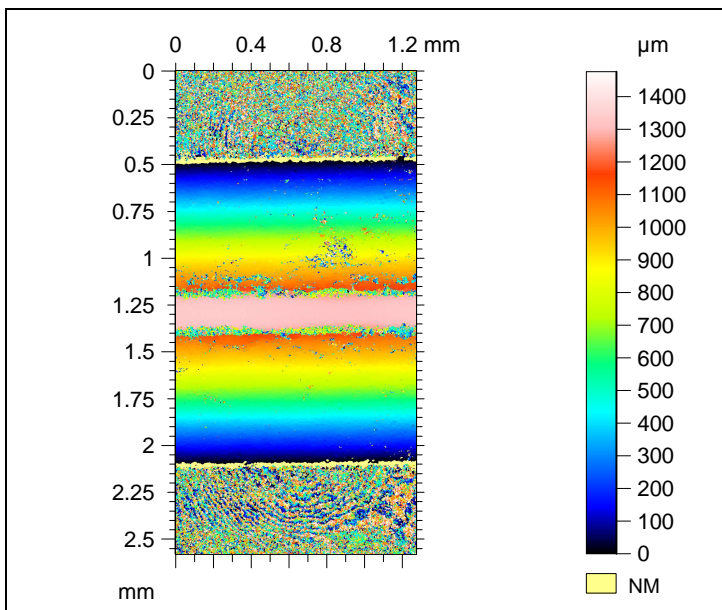
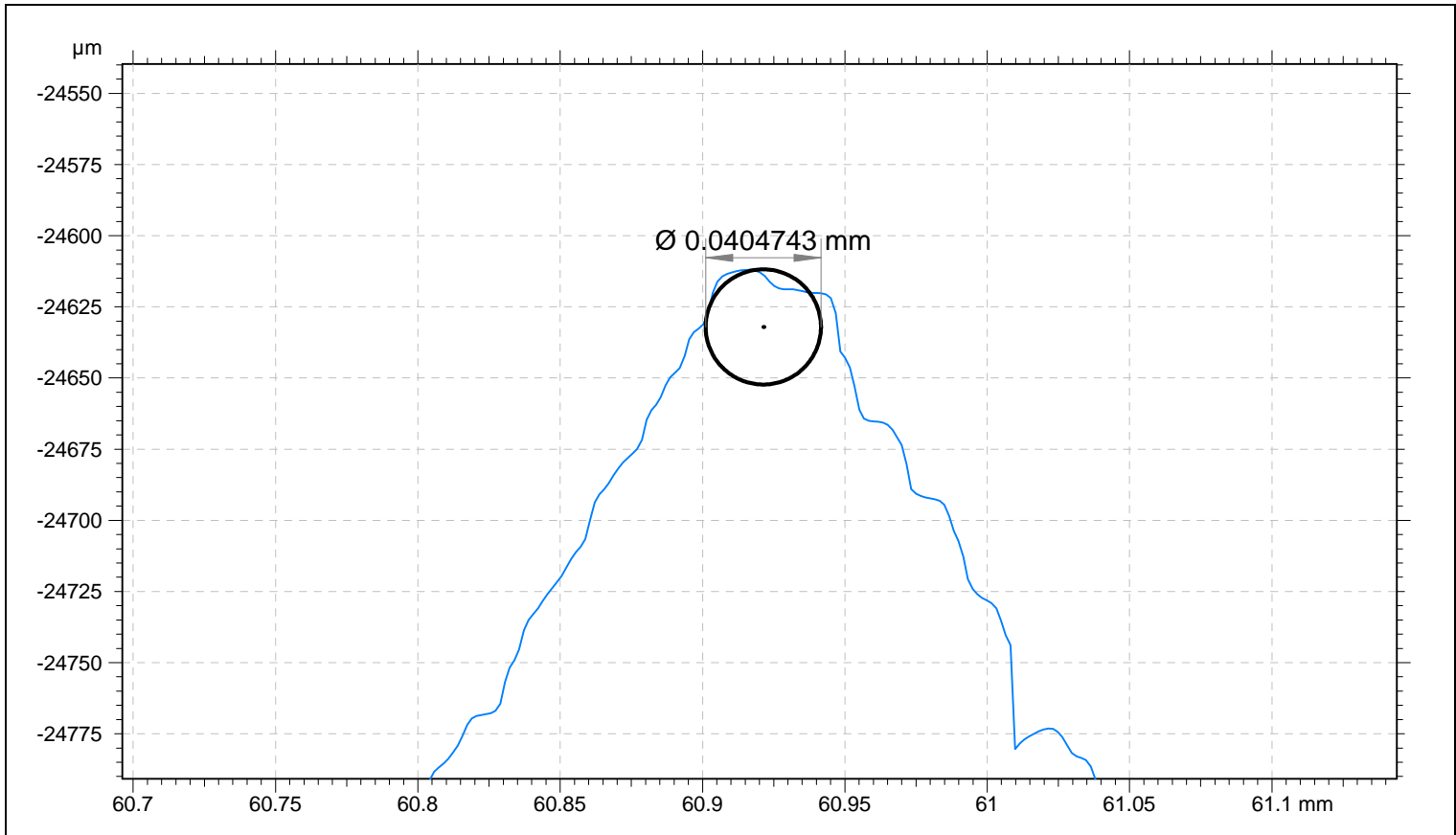
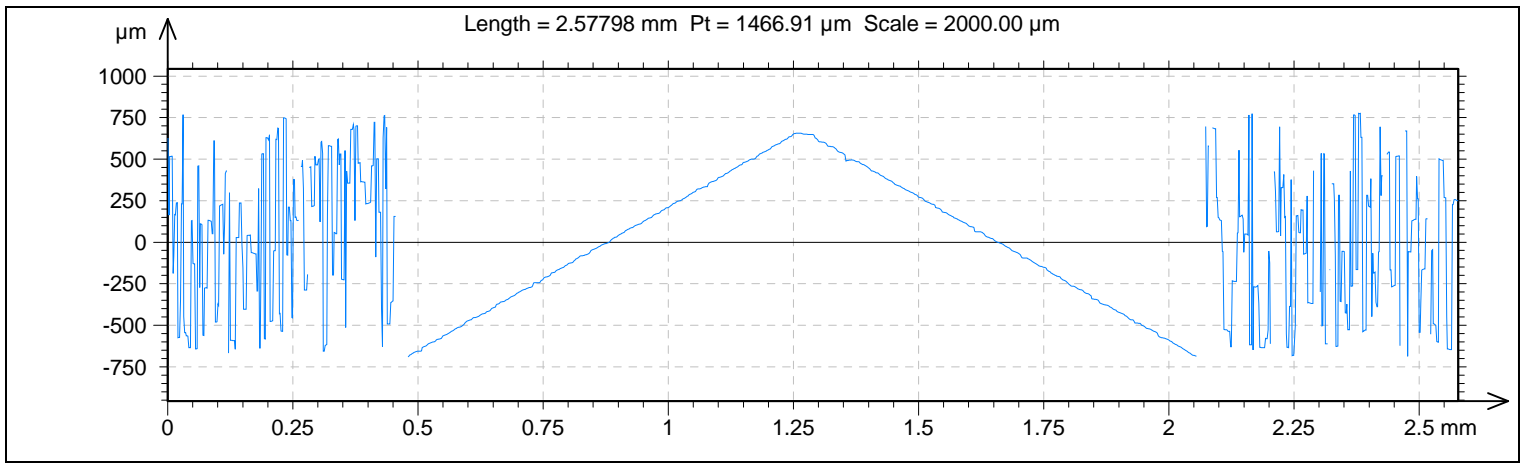
Maximum depth	0.00000 mm	Area of the hole	0.00000 mm <sup>2</sup>
Maximum height	73.6236 $\mu\text{m}$	Area outside	4132.32 $\mu\text{m}^2$

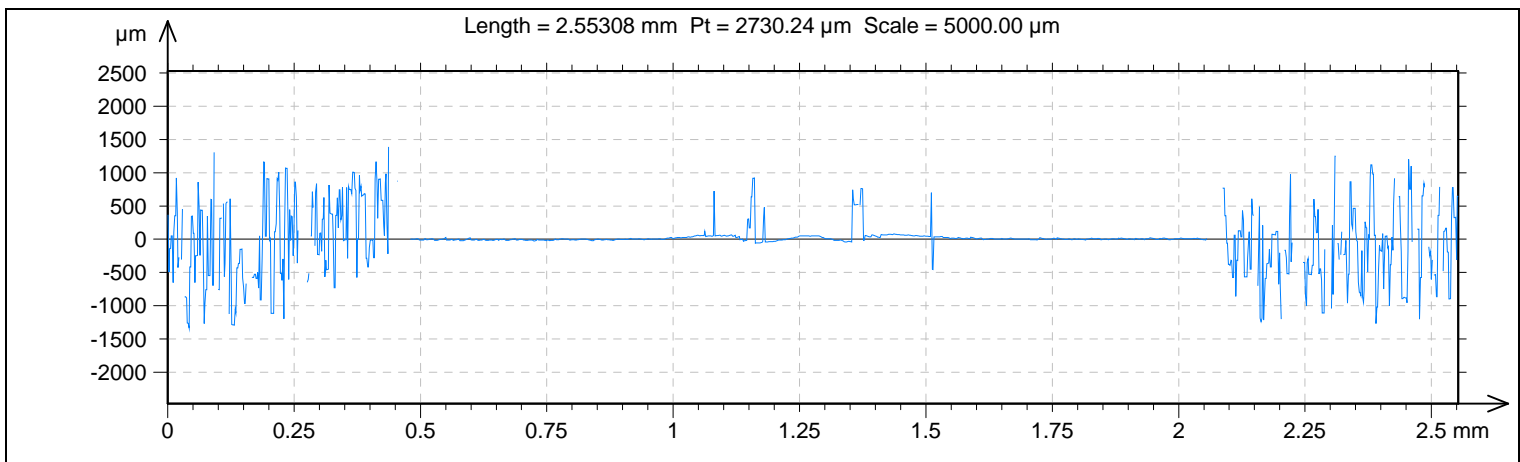
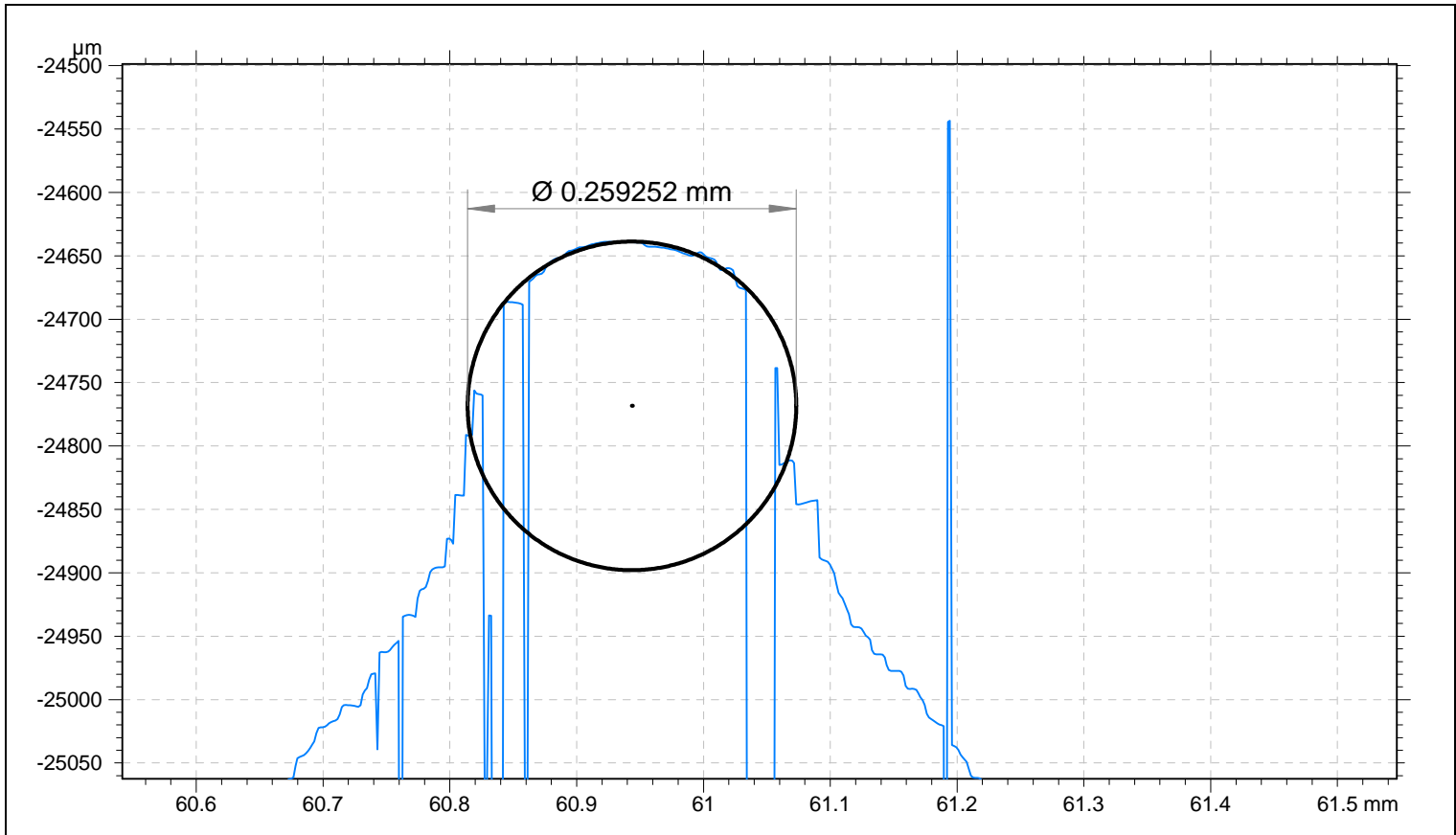
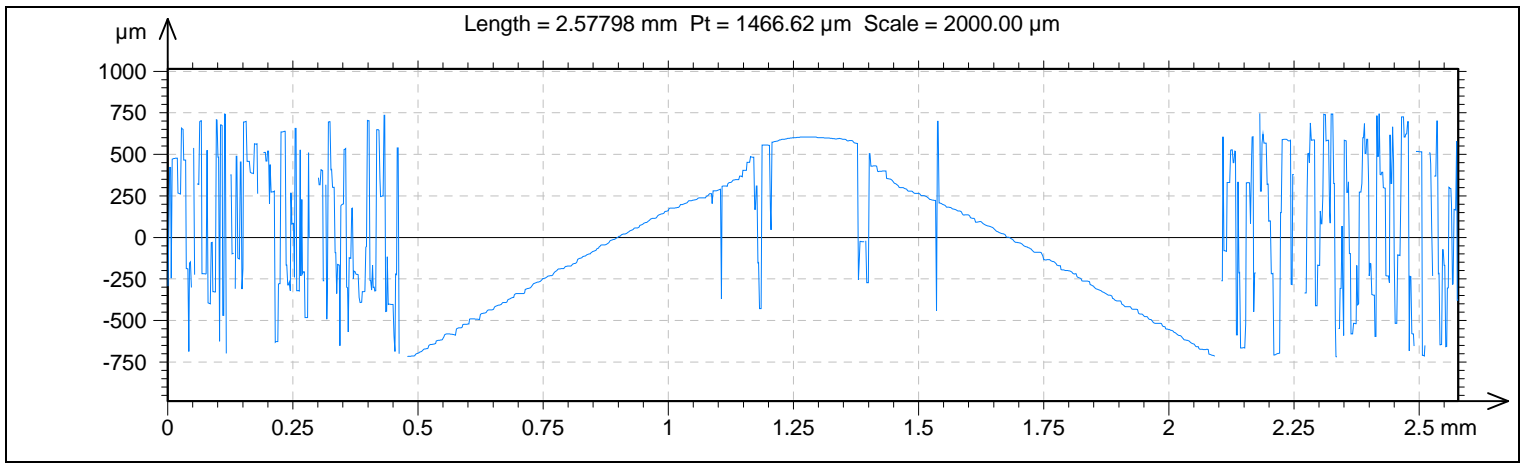


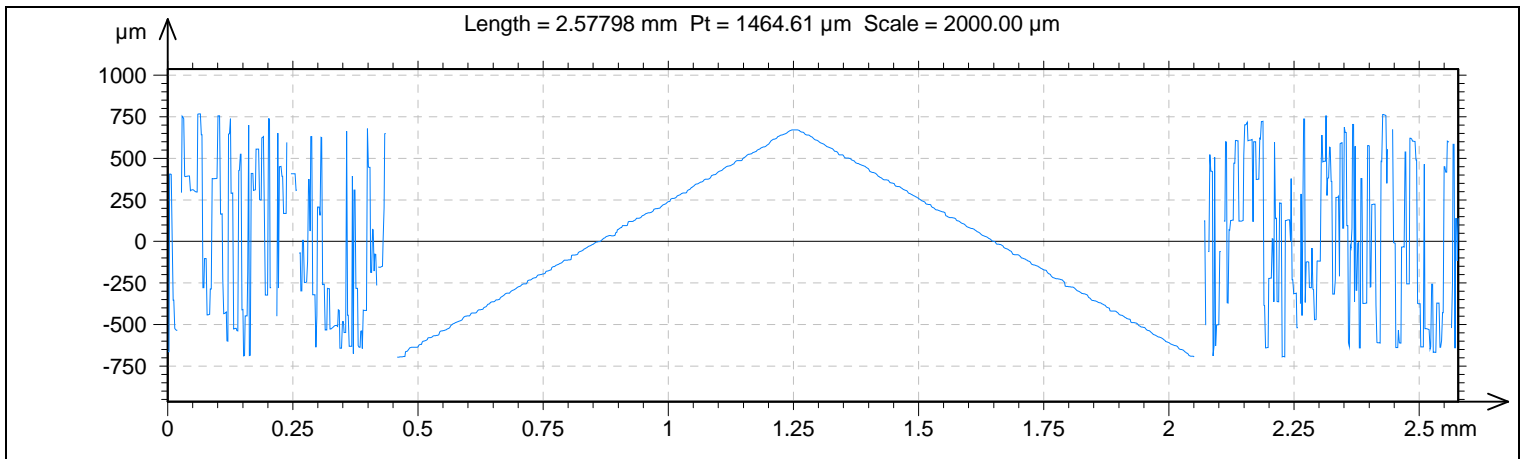
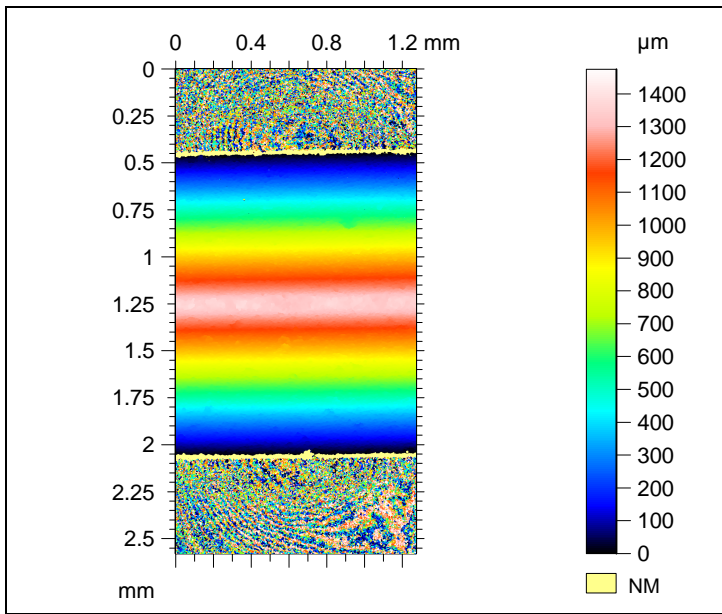
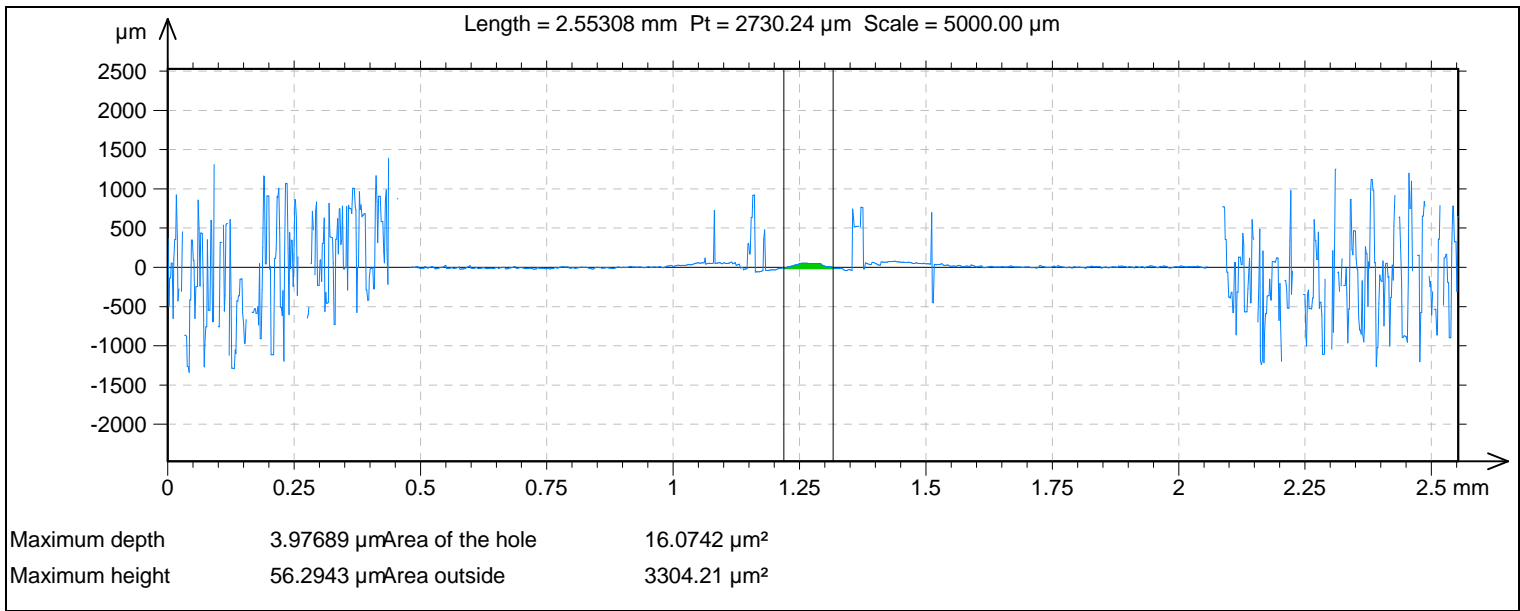


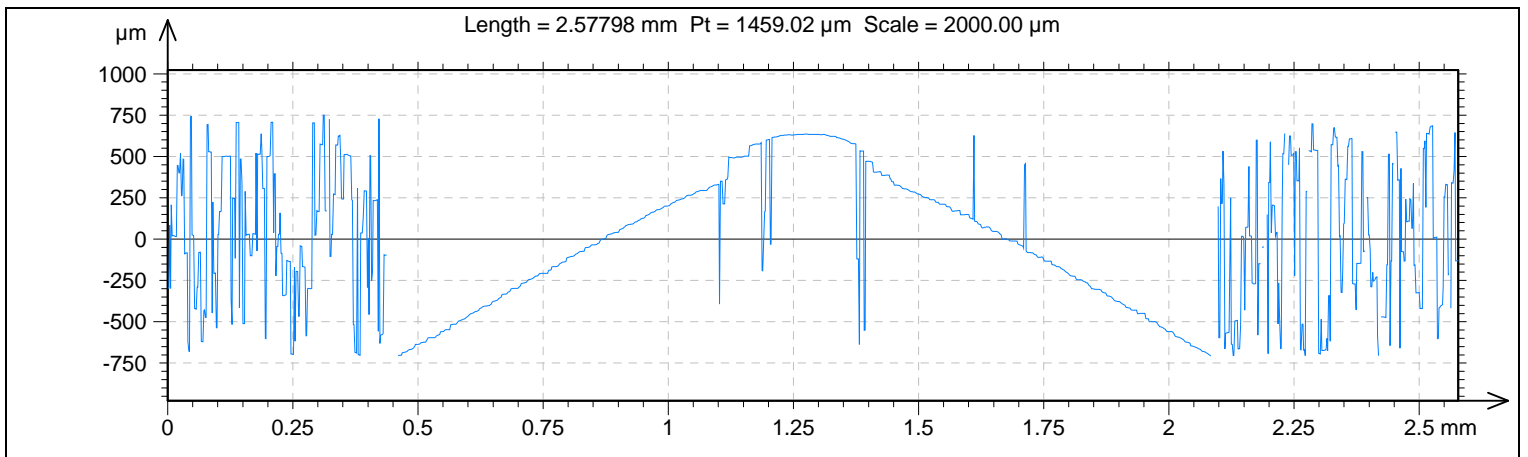
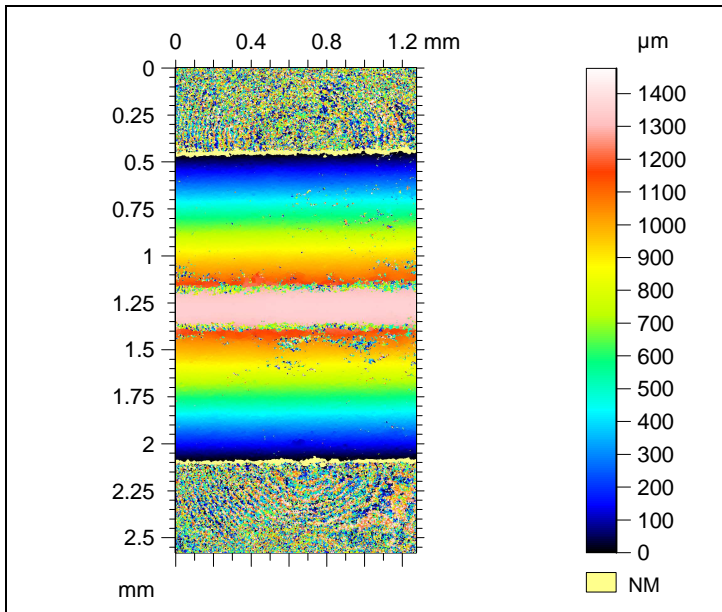
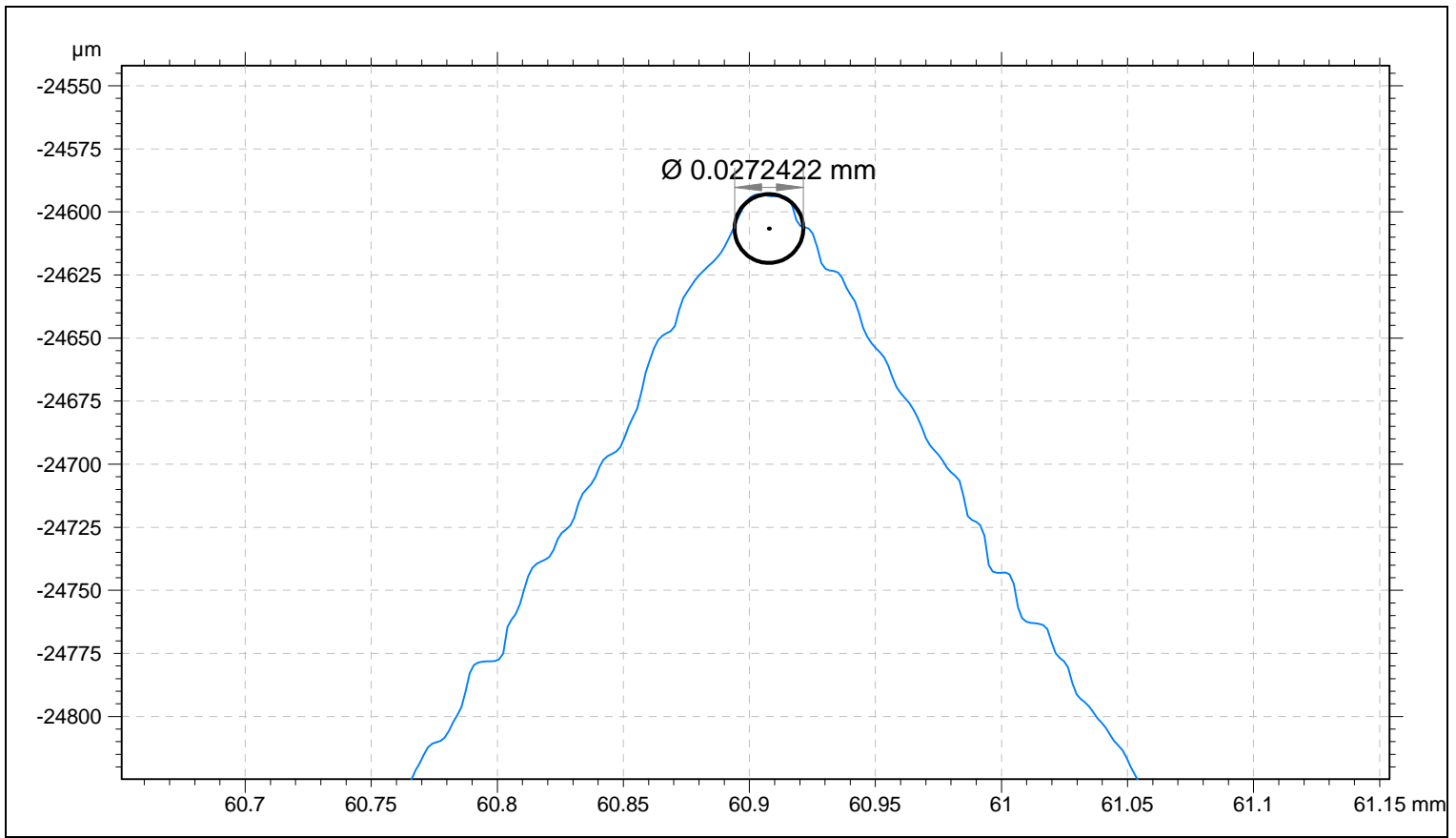




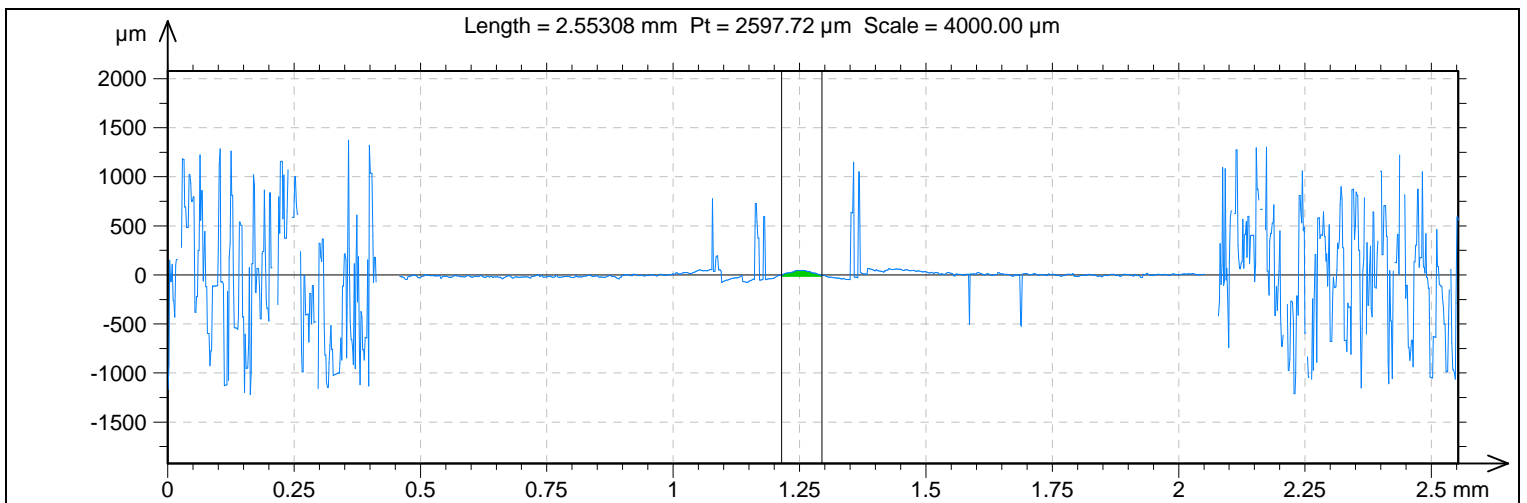
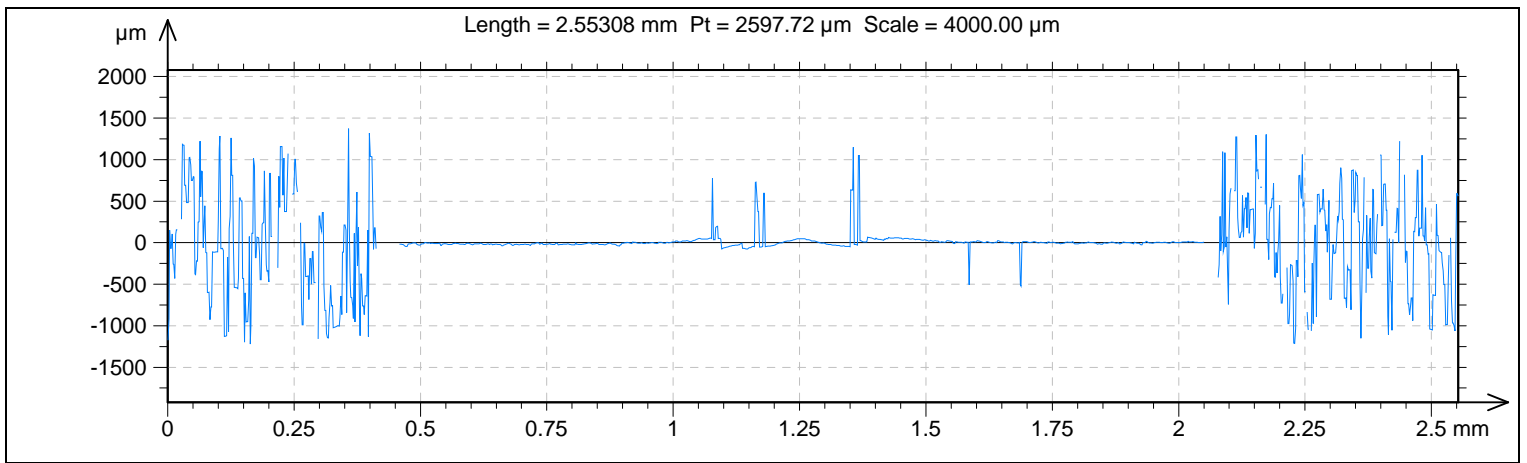
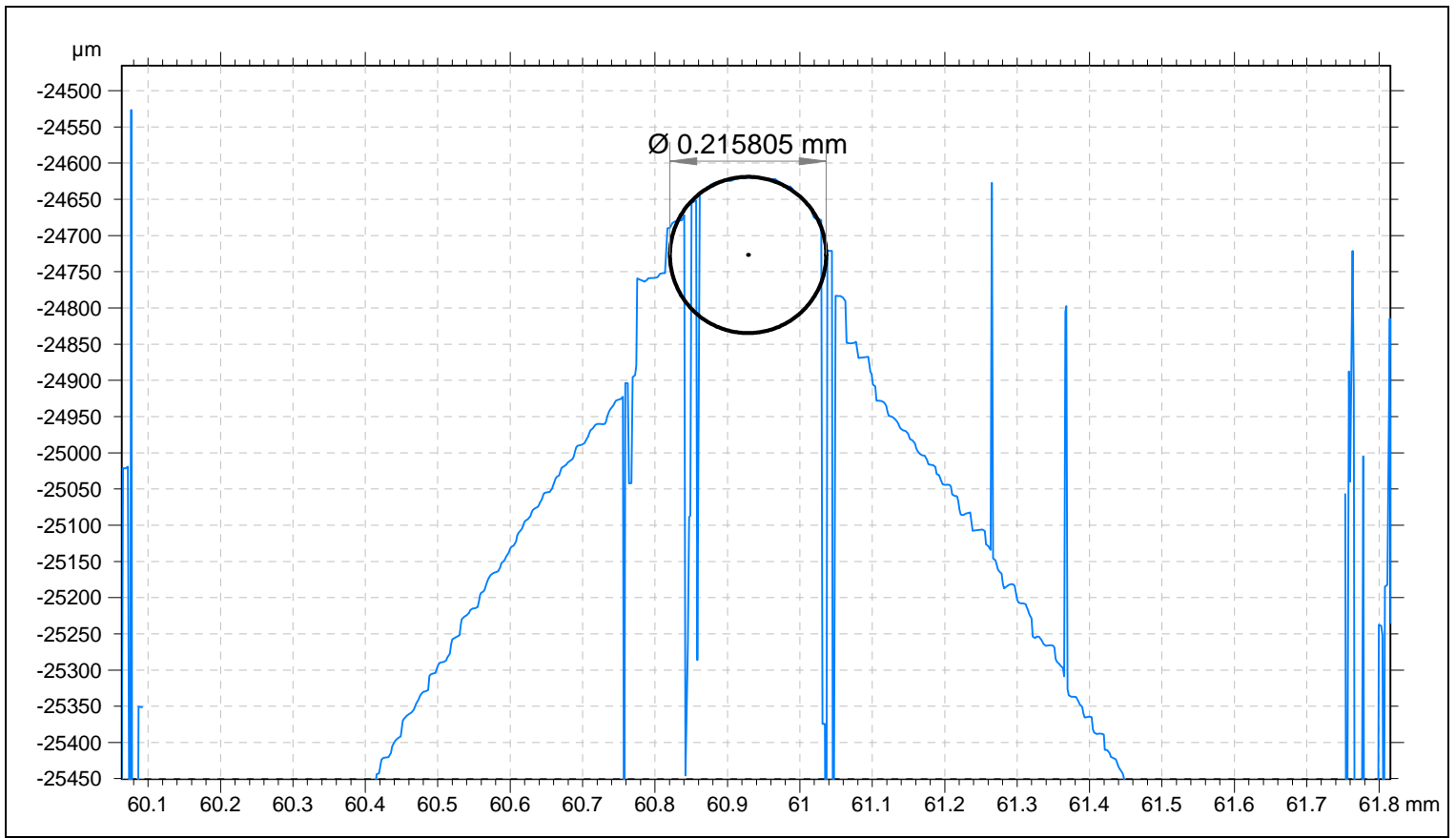












Maximum depth	2.62350 µm	Area of the hole	2.65643 µm <sup>2</sup>
Maximum height	49.5993 µm	Area outside	2286.27 µm <sup>2</sup>

