

Perfil	STE Metro CDMX
Lugar Inicial	17km 815.0m
PK Final	18km 394.6m
Sentido De Avance	Incremento
Referencias Trabajo	VIA 1
ID Ruta/Liena	Culhuacán Atlalilco
ID Vía	Via Principal
Hora Inicial	18:25:09 09-dic.-21
Hora Final	18:40:15 09-dic.-21
Versión Software	TOP01S020r0010(74)
Unid. Desplazamiento	Milímetros
Unidad Longitud	Milímetros
Unidad de ángulo	Grados
ID Perfil	L12
Signo del Peralte	Sentido horario
Intervalo adquisición	300.0mm (300.0mm)
Nivel. I superpuesto 1	12600.0mm
Nivel. I superpuesto 2	19000.0mm
Base Radio Derecho	20.0m (20.1m)
Base Radio Curv.Prom D	20.0m
Base Áng.Curv. Prom. D	20.0m
Áng.Curv.Cuerda Der	20.0m
Nivel. D superpuesto 1	20.0m
Nivel. D superpuesto 2	20.0m
Temp. Sistema Inicial	21.1°C
Temp. Sistema final	21.4°C
Ancho Referencia	1435.0mm
Ancho Refcia. Peralte	1500.0mm
Long. Cuerda Delantera	2500.0mm (2400.0mm)
Long. cuerda trasera	2500.0mm (2400.0mm)
Temperatura Nivelación	20.2°C

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	815.3	1432.9	0.1				1.2		2.2	
17	815.6	1433.1	0.5				1.3		2.3	
17	815.9	1433.3	0.2				1.4		2.6	
17	816.2	1433.3	0.1				1.5		2.7	
17	816.5	1433.5	0				1.7		2.8	
17	816.8	1433.5	-0.3				1.7		2.9	
17	817.1	1433.4	-0.5				1.7		2.8	
17	817.4	1433.2	-0.7				1.7		2.8	
17	817.7	1432.8	-0.5		-1.2	3.4	1.4		2.8	
17	818	1432.5	-1		-1.5	2.1	1.3		2.8	
17	818.3	1432.4	-1		-1.7	2.7	1.2		2.7	
17	818.6	1432.2	-1.1		-1.7	2.1	1.2		2.8	
17	818.9	1432.2	-1.2		-1.7	2.5	1.1		2.7	
17	819.2	1432.1	-1		-1.7	2.4	1.1		2.7	
17	819.5	1432.2	-1.5		-1.6	2	1.1		2.8	
17	819.8	1432	-1.1		-1.7	3.2	1.1		3	
17	820.1	1432.2	-2.3		-1.3	1.3	1.1		3.1	
17	820.4	1432.2	-1		-1.2	3.2	1.1		3.1	
17	820.7	1432.4	-2.2		-1	1.8	1		3.2	
17	821	1432.2	-0.9		-1	3.2	0.8		3.2	
17	821.3	1432.1	-2		-1.1	2.1	0.8		3.3	
17	821.6	1431.9	-1.2		-1.3	3.2	0.7		3.2	
17	821.9	1431.9	-0.9		-1.5	3.5	0.8		3.2	
17	822.2	1432	-1.8		-1.3	2.2	0.8		3.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	822.5	1432	-0.5		-1.6	4.1	0.9		3	
17	822.8	1432.2	-1.2		-1.7	2.3	1.1		3	
17	823.1	1432.4	-0.6		-1.7	3.9	1.2		2.9	
17	823.4	1432.6	-0.6		-1.7	2.9	1.5		2.9	
17	823.7	1432.7	-0.4		-1.8	4.3	1.8		3	
17	824	1432.8	-1.3		-1.8	2.5	2		3.1	
17	824.3	1432.9	-0.9		-1.8	3.4	2		3.2	
17	824.6	1432.9	-0.7		-1.7	3.2	1.9		3.2	
17	824.9	1433.1	-0.9		-1.3	2.6	1.7		3.1	
17	825.2	1433.4	0		-1.2	3.8	1.7	2556472	3.1	
17	825.5	1433.5	-0.9		-1.2	2.2	1.7	2578510	3	
17	825.8	1433.4	-0.2		-1.1	3	1.6	2604167	2.8	
17	826.1	1433.4	-1.4		-0.8	0.8	1.4	2633648	2.7	
17	826.4	1433.2	-0.2		-0.8	2.5	1.2	2663805	2.5	
17	826.7	1433.4	-1.4		-0.5	0.5	1.1	2698132	2.2	
17	827	1433.5	0.4		-0.6	2.1	1.4	2729792	1.9	
17	827.3	1433.5	-0.3		-0.7	0.6	1.4	2758564	1.6	
17	827.6	1433.7	-0.3		-0.7	-0.5	1.4	2780545	1.3	
17	827.9	1433.5	0.4	0.3	-0.9	0.9	1.1	2787950	1.4	
17	828.2	1433.2	-0.2	-0.7	-0.8	0.1	0.6	2787950	1.6	
17	828.5	1432.9	1.4	1.2	-1	2.5	0.2	2780545	1.7	
17	828.8	1432.8	0.9	0.8	-0.6	1.9	-0.1	2769511	2	
17	829.1	1432.7	1.5	1.5	-0.9	3.9	-0.1	2754935	2.3	
17	829.4	1432.4	1.2	1.5	-0.9	2.9	-0.4	2740511	2.8	
17	829.7	1432.4	2.3	2.8	-1	5.2	-0.2	2729792	3.1	
17	830	1432.6	3	3.7	-0.8	6	-0.2	2719156	3.4	
17	830.3	1433.1	2.7	3.2	-0.6	5.8	0.2	2712112	3.5	
17	830.6	1433.4	2.9	3.9	-0.6	5.9	0.8	2705104	3.5	
17	830.9	1433.9	2.6	3.6	-0.5	4.8	1.4	2698132	3.3	
17	831.2	1433.8	2.2	3.3	-0.9	4.2	1.8	2684295	3.1	
17	831.5	1434	1.2	2.4	-1	2.6	2.2	2667198	2.9	
17	831.8	1433.8	1.7	2.7	-1.1	3.5	2.4	2646966	2.7	
17	832.1	1433.6	0.6	2.1	-1.4	1.2	2.6	2630340	2.5	
17	832.4	1433.5	1.2	2.3	-1.6	1.4	2.6	2613921	2.2	
17	832.7	1433.5	0.5	2.8	-1.6	0.6	2.4	2600932	2	
17	833	1433.3	1.2	2.2	-1.5	1	2.1	2594486	1.9	
17	833.3	1433.1	0.9	3.1	-1.5	0.8	1.7	2594486	1.9	
17	833.6	1433	1.4	2.3	-1.3	1.4	1.4	2604167	1.9	
17	833.9	1432.8	1.5	3.5	-1.2	2.2	1.1	2623747	2.1	
17	834.2	1432.6	0.7	1.9	-1.1	1.3	0.8	2650317	2.4	
17	834.5	1432.4	1.4	2.3	-0.9	2.8	0.6	2674011	2.7	
17	834.8	1432.3	1	2.8	-0.9	2.4	0.6	2691196	3.1	
17	835.1	1432.2	1	1.5	-1	3.1	0.5	2701613	3.3	
17	835.4	1432.1	1.3	2.5	-1	3.1	0.5	2712112	3.5	
17	835.7	1432	1.4	2	-1.1	3.5	0.5	2722692	3.5	
17	836	1431.9	1.5	2.1	-1.2	3.2	0.5	2729792	3.6	
17	836.3	1431.9	1.5	1.9	-1.3	3.3	0.6	2726238	3.4	
17	836.6	1431.9	1.8	3.1	-1.3	3.6	0.7	2712112	3.2	
17	836.9	1431.8	2	2.9	-1.4	3	0.8	2701613	2.9	
17	837.2	1431.7	2.1	2.8	-1.6	3.1	0.9	2701613	2.7	
17	837.5	1431.9	1.9	2.8	-1.5	2.5	1.1	2701613	2.5	
17	837.8	1432	2.3	2.3	-1.5	2.8	1.2	2701613	2.3	
17	838.1	1432.1	2	2.9	-1.5	2.1	1.3	2694660	2.1	
17	838.4	1432.2	2.5	2.7	-1.4	2.5	1.4	2674011	1.9	
17	838.7	1432.3	1.7	3.1	-1.5	1.4	1.5	2643624	1.9	
17	839	1432.4	2	2.2	-1.4	1.6	1.5	2613921	1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	839.3	1432.4	2.4	3.8	-1.3	1.8	1.5	2588072	1.7	
17	839.6	1432.4	2.4	2	-1.2	1.5	1.4	2559597	1.7	
17	839.9	1432.5	2.8	3.1	-1.2	2.6	1.4	2537879	2.1	
17	840.2	1432.5	2.3	2.6	-1.1	2.2	1.3	2516527	2.3	
17	840.5	1432.7	2.6	2.2	-1.1	2.9	1.3	2507486	2.5	
17	840.8	1432.6	2.4	2.6	-1	2.4	1.2	2513506	2.7	
17	841.1	1432.7	2.8	1.4	-1.1	3.4	1.2	2531742	2.9	
17	841.4	1432.7	2.3	1.4	-1.2	2.8	1.3	2559597	3.1	
17	841.7	1432.7	2.5	1	-1.2	3.1	1.3	2597705	3	
17	842	1432.7	3	1.8	-1.2	3.6	1.3	2640291	2.9	
17	842.3	1432.7	2.7	0.4	-1.3	2.8	1.3	2691196	2.7	
17	842.6	1432.7	2.6	-0.4	-1.2	2.8	1.3	2747704	2.5	
17	842.9	1432.8	2.3	-0.4	-1.1	2.2	1.3	2806636	2.1	
17	843.2	1432.7	2.9	0	-1.1	2.8	1.2	2856413	1.7	
17	843.5	1432.9	2.8	0.2	-1	1.7	1.2	2899931	1.2	
17	843.8	1432.8	3.2	1	-1.1	2	1.2	2932424	0.7	
17	844.1	1432.7	2.5	1.3	-1.2	0.8	1.2	2953103	0.3	
17	844.4	1432.7	2.2	0.5	-1.2	0.4	1.3	2953103	0.1	
17	844.7	1432.8	2.3	1.7	-1.1	0.2	1.4	2932424	0	
17	845	1432.6	2.2	1	-1.3	0.3	1.4	2899931	0.1	
17	845.3	1432.5	1.8	1.3	-1.5	0.1	1.4	2856413	0.3	
17	845.6	1432.6	1.1	-0.1	-1.2	-0.5	1.4	2806636	0.9	
17	845.9	1432.6	1.8	0.9	-1.3	0.9	1.4	2747704	1.6	
17	846.2	1432.7	1.5	0.1	-1.5	1.1	1.5	2691196	2.6	
17	846.5	1432.6	1.5	0	-1.7	1.9	1.6	2636965	3.5	
17	846.8	1432.5	0.9	0.2	-1.6	2	1.4	2594486	4.2	
17	847.1	1432.3	1.5	0.1	-1.7	3	1.4	2565871	4.7	
17	847.4	1432.3	1.5	0.5	-1.7	3.5	1.4	2559597	5.1	
17	847.7	1432.3	1.6	0.6	-1.5	4.1	1.4	2569019	5.3	
17	848	1432.1	2	0.7	-1.6	4.7	1.3	2581690	5.3	
17	848.3	1432.1	2.2	0.8	-1.4	4.9	1.2	2600932	5.3	
17	848.6	1432.5	2.8	1.3	-0.9	4.6	1.1	2627039	4.7	
17	848.9	1432.7	3.7	2.2	-0.5	5	0.8	2660420	3.8	
17	849.2	1432.7	4	2.2	-0.3	5.2	0.7	2694660	3.2	
17	849.5	1432.5	4	2	-0.3	4.1	0.5	2729792	2.6	
17	849.8	1432.5	4	1.9	-0.4	3.8	0.5	2751315	2.2	
17	850.1	1432.3	3.8	1.9	-0.7	2.9	0.5	2765853	1.7	
17	850.4	1432.1	4.1	1.8	-0.8	2.7	0.5	2773179	1.3	
17	850.7	1432	3.3	1.3	-1	1.5	0.6	2776857	1.1	
17	851	1432	4.2	1.7	-1.4	2.3	0.8	2776857	0.7	
17	851.3	1432.1	3.4	1.7	-1.5	0.9	0.9	2773179	1	
17	851.6	1432.2	3	1	-1.7	0.2	1	2773179	1.1	
17	851.9	1432.3	3.5	1.1	-1.4	1	1.1	2773179	1.4	
17	852.2	1432.5	3.3	0.9	-1.4	1.3	1.1	2773179	1.5	
17	852.5	1432.7	3.6	0.8	-1.2	1.3	1	2776857	1.5	
17	852.8	1432.7	3.5	1.2	-0.8	1	0.8	2780545	1.6	
17	853.1	1432.6	3.6	1	-0.8	1.8	0.8	2787950	1.8	
17	853.4	1432.6	2.5	0.1	-0.6	0.6	0.6	2791667	2	
17	853.7	1432.7	3.3	0.5	-0.6	2.2	0.6	2791667	2.1	
17	854	1433.1	3.7	1.4	-0.3	2.4	0.6	2787950	2.1	
17	854.3	1432.8	3.9	1.4	-0.8	2.9	0.8	2784243	2.7	
17	854.6	1433.1	3	0	-0.8	2	1.1	2784243	2.7	
17	854.9	1433.4	3.7	1	-0.9	2.5	1.4	2784243	2.6	
17	855.2	1433.4	4	1.4	-1	2.7	1.6	2784243	2.5	
17	855.5	1433.2	3.9	1.6	-1.3	2.8	1.8	2784243	2.5	
17	855.8	1433.3	3.5	0.6	-1.5	3	2.1	2784243	2.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	856.1	1433.3	3.1	0.3	-1.7	2.2	2.1	2791667	2.6	
17	856.4	1433.4	3.7	0.5	-2	2.5	2.2	2806636	2.7	
17	856.7	1433.4	3.8	1.3	-1.6	2.2	2	2825574	2.6	
17	857	1433.1	4.2	2	-1.6	3	1.7	2837060	2.4	
17	857.3	1433.1	4	1.7	-1.1	2.2	1.1	2844770	2.3	
17	857.6	1432.9	4.1	1.9	-1.1	2.2	0.8	2852521	2.3	
17	857.9	1432.8	3.7	1.9	-1.1	1.9	0.8	2856413	2.5	
17	858.2	1432.9	3.8	2.7	-1	2.3	0.7	2852521	2.6	
17	858.5	1433.2	3.7	1.9	-0.6	2.4	0.6	2833221	2.5	
17	858.8	1433.4	4.1	2.6	-0.5	2.4	0.5	2806636	2.3	
17	859.1	1433.1	4.6	3.1	-1	2.9	0.5	2769511	2.3	
17	859.4	1432.8	4.2	3.3	-1.2	2.1	0.5	2733356	2.2	
17	859.7	1432.8	4.4	2.9	-1.5	2.4	0.8	2694660	2	
17	860	1433	4.4	2.9	-1.5	2.1	1	2663805	1.8	
17	860.3	1432.9	4.7	3.1	-1.5	2.5	1.1	2640291	1.7	
17	860.6	1433	4.6	2.6	-1.4	2.2	1.2	2620464	1.6	
17	860.9	1433.2	4.6	2.4	-1.2	2.7	1.2	2613921	1.4	
17	861.2	1433.5	4.4	1.6	-1.1	1.9	1.3	2620464	1.3	
17	861.5	1433.8	4.2	0.5	-0.7	1.8	1.3	2633648	1.2	
17	861.8	1433.8	4.4	0.4	-0.5	2.3	1.3	2646966	1.2	
17	862.1	1433.9	4	0	-0.3	1.5	1.3	2660420	1.1	
17	862.4	1434	4.1	0.1	-0.1	1.6	1.2	2667198	0.9	
17	862.7	1433.8	4.2	0.4	-0.1	1.6	1.2	2663805	0.8	
17	863	1433.4	4.3	0.2	-0.4	2	1.1	2643624	0.8	
17	863.3	1433.2	2.9	-0.4	-0.6	0.9	1.1	2613921	1.1	
17	863.6	1433.2	3.6	-0.6	-1	2.4	1.2	2578510	1.3	
17	863.9	1433.3	2.5	-0.9	-1.2	1.1	1.3	2544047	1.7	
17	864.2	1433.1	2.4	-0.6	-1.5	0.9	1.3	2510492	1.9	
17	864.5	1432.9	2.7	-0.8	-1.9	2.2	1.3	2489596	2.2	
17	864.8	1432.8	2.5	-0.8	-2.2	2.3	1.4	2483690	2.6	
17	865.1	1432.6	2	-1.6	-2.3	2.7	1.4	2495531	3.1	
17	865.4	1432.3	1.6	-1.9	-2.4	2.3	1.4	2522591	3.6	
17	865.7	1432.3	1.7	-1.9	-2.4	3.6	1.4	2565871	3.9	
17	866	1432.5	0.7	-1.8	-2	2.1	1.2	2623747	4.1	
17	866.3	1432.7	2	-1.3	-1.8	4.7	1.1	2680858	3.9	
17	866.6	1432.8	2.4	-1.3	-1.4	4.8	1.1	2733356	3.8	
17	866.9	1433.1	1.4	-2.5	-1.1	3.4	1.1	2773179	3.5	
17	867.2	1433.1	1.5	-1.5	-1.2	3.4	1.2	2787950	3.4	
17	867.5	1433.2	0.7	-3	-1	2.6	1.2	2773179	2.9	
17	867.8	1433.3	1.6	-2.4	-0.9	3.2	1.3	2740511	2.5	
17	868.1	1433.5	1.2	-2.7	-0.9	2.1	1.4	2694660	1.9	
17	868.4	1433.5	1.7	-1.8	-1.4	3.1	1.7	2646966	1.7	
17	868.7	1433.4	-0.1	-3.2	-1.6	0.4	1.8	2607410	1.9	
17	869	1433.2	0.5	-3.2	-2	0.8	1.8	2578510	2	
17	869.3	1433.4	0.2	-3.6	-2	1.1	1.7	2559597	2.1	
17	869.6	1433.4	0.6	-3.6	-2.1	1.7	1.6	2550244	2.2	
17	869.9	1433.4	0.1	-3.9	-2.1	1.3	1.4	2559597	2.3	
17	870.2	1433.5	0.1	-4	-1.9	1.1	1.2	2581690	2.3	
17	870.5	1433.7	0.4	-3.3	-1.7	2	1.1	2610661	2.4	
17	870.8	1433.8	0	-3.8	-1.2	1.1	0.8	2636965	2.3	
17	871.1	1433.8	0.8	-2.9	-0.9	2.7	0.6	2657044	2.3	
17	871.4	1433.9	1.1	-3	-0.5	2.8	0.5	2667198	2.3	
17	871.7	1434.3	1.1	-3.5	-0.4	3	0.6	2663805	2.3	
17	872	1434.7	0.8	-3.4	-0.1	2.2	0.7	2650317	2.3	
17	872.3	1434.9	1.5	-2.9	0.1	3.3	0.9	2620464	2.1	
17	872.6	1435	1	-3.4	0.1	2.9	1.1	2572175	2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	872.9	1435.2	0.5	-4.2	0	2.5	1.4	2519555	2	
17	873.2	1435	0.8	-3.8	-0.4	3	1.7	2466137	2	
17	873.5	1434.7	0.8	-3.8	-0.7	2.3	1.7	2420521	1.9	
17	873.8	1434.6	0.7	-3.7	-0.8	1.6	1.7	2384682	1.7	
17	874.1	1434.9	0.6	-3.6	-0.9	1.4	1.7	2360485	1.7	
17	874.4	1434.7	1.1	-3.3	-1.1	2	1.5	2347254	1.7	
17	874.7	1434.5	0.4	-3.6	-1.2	0.8	1.3	2342003	1.9	
17	875	1434.2	0.3	-3.8	-1.2	1.4	1	2349888	2.1	
17	875.3	1433.9	-0.4	-4.6	-1.1	0.9	0.7	2365820	2.5	
17	875.6	1433.6	-0.4	-4.7	-1	1.1	0.4	2387401	2.6	
17	875.9	1433.5	0	-2.9	-0.9	2.3	0.3	2409379	2.7	
17	876.2	1433.6	0.6	-3	-0.8	2	0.4	2426130	2.5	
17	876.5	1433.8	0.7	-1.8	-1	2.3	0.7	2443116	2.4	
17	876.8	1433.9	0.9	-1.5	-1.1	1.8	0.9	2460341	1.9	
17	877.1	1433.9	1.6	-1.1	-1.5	2	1.3	2474882	1.5	
17	877.4	1433.8	1	-1.5	-1.6	1.3	1.5	2489596	1.3	
17	877.7	1433.5	1.9	-0.1	-1.9	2.5	1.7	2501494	1.2	
17	878	1433.5	1.4	-0.2	-2.1	2.4	2.1	2516527	1.4	
17	878.3	1433.5	0	-1.7	-2.1	0.6	2.1	2534807	1.3	
17	878.6	1433.4	1.4	0.7	-2	1.7	1.8	2562730	1.4	
17	878.9	1433.2	0.9	-1.1	-1.9	1.9	1.4	2594486	2	
17	879.2	1433.4	0.8	-1.6	-1.6	2	1.1	2627039	2.3	
17	879.5	1433.7	1.7	0.3	-1.2	2.8	0.8	2657044	2.4	
17	879.8	1433.7	1.7	0.2	-1	3	0.5	2684295	2.4	
17	880.1	1433.5	1.6	0.9	-1.1	2.8	0.3	2705104	2.5	
17	880.4	1433.4	1.2	-0.4	-1	2.8	0.2	2719156	2.4	
17	880.7	1433.5	1.4	0.2	-1.1	3.8	0.4	2726238	2.2	
17	881	1433.5	1.6	-0.1	-1	3.1	0.6	2719156	1.8	
17	881.3	1433.7	1.3	1.4	-0.9	2.9	1	2705104	1.5	
17	881.6	1434	1.2	0.7	-0.8	2.7	1.4	2684295	1.2	
17	881.9	1434.2	1.1	0.9	-0.8	1.9	1.7	2667198	0.9	
17	882.2	1434.7	1.2	0.6	-0.7	1.9	2.2	2653676	1.1	
17	882.5	1435	0.6	0.5	-0.8	1	2.7	2646966	1.5	
17	882.8	1434.9	0.1	0	-1	1.1	2.9	2640291	2.2	
17	883.1	1434.8	-0.4	-0.8	-1	0.6	2.9	2640291	2.7	
17	883.4	1434.4	-0.7	-0.7	-1.2	0.8	2.7	2650317	3.4	
17	883.7	1433.9	-1.1	-1.9	-1.5	0.9	2.5	2660420	3.9	
17	884	1433.3	-1.4	-2.5	-1.9	1.3	2.2	2670600	4.4	
17	884.3	1432.9	-1.5	-2.6	-2	1.4	1.8	2680858	4.5	
17	884.6	1432.8	-0.9	-1.7	-2	1.8	1.5	2684295	4.3	
17	884.9	1432.6	0.5	-1	-2.1	3	1.1	2684295	3.9	
17	885.2	1432.6	1.2	0.2	-1.7	3.2	0.8	2680858	3.2	
17	885.5	1432.4	2.1	1.6	-1.6	3.9	0.6	2667198	2.7	
17	885.8	1432.3	2.2	1.4	-1.5	3.6	0.6	2640291	2.1	
17	886.1	1432.2	2.5	1.7	-1.4	3.6	0.6	2607410	1.6	
17	886.4	1432	2.2	1.5	-1.2	3	0.5	2575339	1.2	
17	886.7	1431.9	2.2	1.6	-1.2	3	0.5	2550244	1.1	
17	887	1432	1.9	0.8	-1.1	2.6	0.6	2528684	1.2	
17	887.3	1432.1	2.2	1.8	-1	2.3	0.7	2516527	1.3	
17	887.6	1432.1	2.3	2	-1.1	2.1	0.8	2510492	1.5	
17	887.9	1432	2.1	2.5	-1.2	1.8	0.8	2510492	1.9	
17	888.2	1432	2	2.4	-1.1	1.6	0.8	2531742	2.1	
17	888.5	1432	2	2	-1.1	1.7	0.8	2562730	2.1	
17	888.8	1432.1	2.2	1.6	-0.9	2.2	0.8	2594486	2.2	
17	889.1	1432.2	2.1	1.4	-1	2.1	0.8	2623747	2.3	
17	889.4	1432.1	1.9	1	-1.1	2.2	0.8	2653676	2.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	889.7	1432.2	1.9	0.3	-1.1	2.1	0.8	2684295	2.4	
17	890	1432.2	2.3	1.3	-1.2	2.2	0.8	2712112	2.3	
17	890.3	1432.3	2.3	0.4	-1.1	2.2	0.8	2740511	2.3	
17	890.6	1432.3	2.7	1.3	-1.3	2.8	0.9	2769511	2.4	
17	890.9	1432.4	2.3	2.3	-1.3	2.5	1	2806636	2.5	
17	891.2	1432.5	2.3	0.9	-1.4	2.3	1	2852521	2.4	
17	891.5	1432.8	2.5	1.6	-1.4	2.4	1.1	2912031	2.3	
17	891.8	1432.8	2.5	1.7	-1.3	2.1	1.1	2974077	2.1	
17	892.1	1432.8	2.2	0.5	-1.4	1.8	1.1	3030029	2	
17	892.4	1433.1	2.4	0.7	-1.1	1.6	1.1	3097264	1.7	
17	892.7	1433.3	2.6	1	-1.1	1.7	1.3	3172349	1.5	
17	893	1433.5	2.6	1.4	-1.1	1.4	1.4	3236090	1.5	
17	893.3	1433.5	2.6	1.2	-1.1	1.4	1.4	3276605	1.5	
17	893.6	1433.7	2.6	1	-0.9	1.4	1.4	3286892	1.5	
17	893.9	1433.9	2.6	1.3	-1	1.5	1.4	3271485	1.5	
17	894.2	1433.9	3	1.8	-1	1.6	1.4	3241100	1.5	
17	894.5	1433.9	3	1.9	-1	1.8	1.4	3196565	1.5	
17	894.8	1434	2.7	1.5	-1	1.7	1.3	3148497	1.6	
17	895.1	1434	2.6	2	-0.9	1.5	1.1	3092689	1.5	
17	895.4	1434	2.8	2.7	-0.9	1.8	1.1	3038825	1.5	
17	895.7	1434	3.2	3.6	-0.9	2.1	1.2	2995351	1.4	
17	896	1434	3.1	3.8	-0.9	1.9	1.3	2961457	1.4	
17	896.3	1434.1	2.8	3.9	-0.9	1.6	1.4	2936536	1.3	
17	896.6	1434.1	3.3	4.7	-1	2.2	1.5	2907987	1.1	
17	896.9	1434.1	3.2	4.7	-1	1.5	1.6	2883954	0.9	
17	897.2	1434.2	2.8	3.7	-1	1.5	1.7	2864228	1	
17	897.5	1434.2	2.6	2.1	-1	1.3	1.7	2848640	1	
17	897.8	1434.2	2.5	1.3	-0.8	1.1	1.7	2833221	0.9	
17	898.1	1433.8	2.4	0.3	-0.9	0.5	1.4	2817968	0.7	
17	898.4	1433.5	2.7	0.5	-0.9	0.5	1.1	2802879	0.4	
17	898.7	1433.3	2.4	-0.1	-0.7	0.3	0.8	2791667	0.5	
17	899	1433.2	1.5	-0.7	-0.4	-0.6	0.5	2780545	0.8	
17	899.3	1433.1	2.1	-0.1	-0.3	0	0.2	2769511	1	
17	899.6	1433	1.8	-0.1	-0.2	0.3	-0.1	2758564	1.5	
17	899.9	1432.9	1.9	-0.3	-0.1	0.8	-0.3	2747704	2.1	
17	900.2	1432.7	1.8	-0.5	-0.1	1.1	-0.5	2740511	2.6	
17	900.5	1432.6	2	-0.1	0	1.6	-0.6	2736929	3.1	
17	900.8	1432.5	2.1	0.1	-0.1	1.9	-0.6	2740511	3.6	
17	901.1	1432.3	2.4	0.4	-0.3	3.3	-0.6	2747704	4	
17	901.4	1432.1	2.5	0.3	-0.5	5.1	-0.5	2754935	4.4	
17	901.7	1432.4	3	0.9	-0.5	5.6	-0.1	2758564	4.5	
17	902	1432.4	3.2	1.3	-1	5.9	0.4	2762204	4.5	
17	902.3	1432.5	3.8	1.9	-1.3	6.1	0.7	2762204	4.4	
17	902.6	1432.5	4.1	1.8	-1.5	6.3	1.1	2762204	4.1	
17	902.9	1432.6	4.6	2.3	-1.7	6.8	1.6	2773179	3.5	
17	903.2	1432.9	5	2.3	-1.9	5.9	2.1	2787950	2.5	
17	903.5	1433.1	3.8	1.5	-2.2	4.1	2.5	2799132	1.9	
17	903.8	1433	2.1	-0.2	-2.7	2	2.8	2810403	1.5	
17	904.1	1432.8	1.8	-0.7	-3.1	1.2	2.8	2821766	1.1	
17	904.4	1433	1.8	-0.7	-2.7	1	2.7	2833221	1	
17	904.7	1433.2	2.2	0	-2.3	0.8	2.5	2844770	0.7	
17	905	1433.1	2	-0.4	-2.2	0	2.3	2856413	0.3	
17	905.3	1432.9	0.5	-2.1	-2.2	-1.3	2	2860315	0.8	
17	905.6	1433	1.1	-1.5	-2	-0.6	1.6	2864228	1.2	
17	905.9	1433.3	0.7	-1.9	-1.6	-0.1	1.4	2868151	1.6	
17	906.2	1433.6	0.7	-1.9	-1	0.9	1.2	2876031	1.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	906.5	1433.7	0.4	-2.2	-0.9	1	1.2	2891920	2.2	
17	906.8	1433.6	0.3	-2.7	-1	1.1	1.1	2912031	2.5	
17	907.1	1433.5	0.5	-2.5	-1.3	1	1.1	2944797	2.6	
17	907.4	1433.5	0.6	-2.1	-1.3	1	1.1	2986805	2.5	
17	907.7	1433.7	0.6	-2	-1	1.7	1.2	3043242	2.5	
17	908	1433.8	0.8	-2	-1	1.4	1.2	3111070	2.6	
17	908.3	1433.9	1.1	-2.1	-0.9	1.8	1.2	3177163	2.5	
17	908.6	1433.9	1.2	-1.9	-0.9	2.1	1.1	3236090	2.6	
17	908.9	1434	1.4	-1.4	-0.8	2.4	1.1	3281740	2.6	
17	909.2	1434	1.6	-1.7	-0.8	2.9	1.1	3312896	2.5	
17	909.5	1434.1	1.9	-1.3	-0.7	2.9	1.1	3318146	2.5	
17	909.8	1434.2	2.3	-0.5	-0.7	3	1.1	3276605	2.3	
17	910.1	1434.1	2.3	-0.3	-0.8	3	1	3186835	2.3	
17	910.4	1434.1	2.8	0.3	-0.7	3.2	0.9	3056570	2.2	
17	910.7	1433.9	2.8	0.4	-0.7	3	0.8	2907987	2.2	
17	911	1433.7	2.8	0.1	-0.9	3.2	0.8	2751315	2.3	
17	911.3	1433.7	2.8	0.4	-1	3	0.8	2597705	2.3	
17	911.6	1433.8	2.1	0.6	-1	2.7	1	2454573	2.8	
17	911.9	1433.9	2.5	0.4	-1	3	1	2336775	2.9	
17	912.2	1434	2.7	0.9	-1.1	2.8	1.1	2246514	2.9	
17	912.5	1434	2.6	0.7	-1	2.8	1.1	2180990	2.9	
17	912.8	1433.9	2.7	0.9	-1	2.7	1	2140849	3	
17	913.1	1433.7	3	1	-1.2	2.8	1	2125635	3	
17	913.4	1433.7	2.6	0.5	-1.2	2.5	1.1	2134302	3.2	
17	913.7	1433.7	2.7	0.3	-1.2	2.8	1.1	2165202	3.2	
17	914	1433.7	2.8	0.3	-1.2	3.2	1.1	2217956	3.3	
17	914.3	1433.7	3	0	-1.2	3.1	1.1	2283261	3.2	
17	914.6	1433.8	3.3	0.1	-1	3.3	1.1	2357827	3.1	
17	914.9	1433.7	3.1	-0.7	-1	3.1	1	2437428	3	
17	915.2	1433.8	3.2	-0.9	-0.6	3.4	1	2519555	2.9	
17	915.5	1433.9	3.6	-1	-0.4	3.3	1	2597705	2.6	
17	915.8	1434	3.9	-1.1	-0.3	3.6	1.1	2660420	2.3	
17	916.1	1434	3.5	-0.3	-0.2	2.7	1.1	2712112	2.1	
17	916.4	1433.9	3.7	1.6	-0.1	2.7	1	2747704	1.7	
17	916.7	1433.6	3.8	2	-0.4	2.3	1	2769511	1.3	
17	917	1433.4	3.5	1.7	-0.3	1.5	0.8	2769511	1.1	
17	917.3	1433.3	3.4	1.2	-0.3	1.4	0.7	2747704	1	
17	917.6	1433	2.7	0.7	-0.5	0.7	0.4	2712112	1	
17	917.9	1432.9	2.8	2.3	-1	0.9	0.2	2674011	1.3	
17	918.2	1432.7	2.7	1.6	-1.5	0.7	0	2636965	1.6	
17	918.5	1432.5	3	2.3	-1.9	1.5	-0.1	2604167	2.1	
17	918.8	1432.4	2.6	1.9	-2.1	1.7	-0.1	2575339	2.7	
17	919.1	1432.3	2.6	2.2	-2.1	2.2	-0.1	2559597	3.1	
17	919.4	1431.9	2.8	2.5	-2.5	3	0.1	2553354	3.6	
17	919.7	1432.1	3	2.5	-2.5	3.9	0.7	2556472	4.1	
17	920	1432.4	2.9	2.3	-2.6	5	1.5	2565871	4.3	
17	920.3	1433.4	2.7	2.1	-2.1	4.9	2.3	2581690	4.3	
17	920.6	1434.3	3.3	2.5	-1.4	5.1	2.9	2594486	3.8	
17	920.9	1434.9	3.6	2.5	-1	4.8	3.5	2597705	3.4	
17	921.2	1435.3	3.5	2.3	-0.8	5	3.9	2584877	2.9	
17	921.5	1435.5	3.3	1.9	-1	3.9	4.2	2556472	2.3	
17	921.8	1435.1	3.3	1.7	-1.1	3.2	4.2	2522591	1.7	
17	922.1	1434.6	3	1.1	-1.6	2.6	4	2483690	1.4	
17	922.4	1434	1.7	-0.6	-1.8	1	3.5	2443116	1.1	
17	922.7	1433.4	1.5	-0.8	-2.4	1	2.9	2395596	1.1	
17	923	1432.9	1.3	-1.5	-2.9	0.7	2.3	2344626	1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	923.3	1432.3	1.4	-1.4	-3.2	1.1	1.7	2293265	1.7	
17	923.6	1432	0.3	-2.5	-3	0.1	1.1	2248927	2	
17	923.9	1432.2	0.7	-2.1	-2.3	1	0.5	2217956	2.4	
17	924.2	1432.2	0.7	-1.4	-1.7	0.8	0.1	2197010	2.8	
17	924.5	1432.3	0.7	-1.8	-1	1.4	-0.2	2190116	3.4	
17	924.8	1432.2	0.7	-2	-0.6	2.4	-0.4	2190116	4	
17	925.1	1432.4	0.5	-2.1	0	3	-0.5	2197010	4.5	
17	925.4	1432.7	0.5	-2.2	0.6	3.2	-0.5	2210930	5	
17	925.7	1432.7	0.4	-2.6	0.7	3.3	-0.3	2229766	5.2	
17	926	1432.5	1	-1.6	0.5	5	-0.1	2253768	5.6	
17	926.3	1432.5	0.9	-1.8	-0.2	5.5	0.2	2273345	5.5	
17	926.6	1432.4	2	-0.8	-1	6.3	0.6	2278292	5.3	
17	926.9	1432.5	2.4	-0.6	-1.7	6.4	1.1	2275816	5.1	
17	927.2	1432.3	2.9	-0.4	-2.7	6.9	1.7	2261070	4.8	
17	927.5	1432.4	2.6	-0.5	-3.3	6.2	2.1	2241703	4.3	
17	927.8	1432.3	3.3	0.1	-3.8	6.6	2.3	2213267	3.6	
17	928.1	1432.3	3.1	-0.5	-3.6	5.2	2.3	2180990	3	
17	928.4	1432.2	2.8	-1.1	-3.5	4.6	2.2	2145236	2.6	
17	928.7	1432.8	1.1	-2.4	-2.7	2.1	2	2108510	2.3	
17	929	1433.3	1.3	-2.4	-1.7	2	1.6	2077134	2	
17	929.3	1433.9	1.6	-2.2	-0.6	1.8	1.3	2048680	1.7	
17	929.6	1434.4	0.9	-2.6	0.7	1	1	2028828	1.4	
17	929.9	1434.8	1	-2.4	1.6	1.3	0.8	2020995	1.3	
17	930.2	1434.8	0.1	-2.6	2.2	-0.5	0.5	2026864	1	
17	930.5	1434.6	1.4	-1.4	2.2	0.8	0.5	2044678	0.9	
17	930.8	1434.6	0.7	-2	2	-0.6	0.7	2070970	0.6	
17	931.1	1434.5	1.7	-1.3	0.9	1.5	1.2	2106389	0.5	
17	931.4	1434.4	0.6	-2	0	-0.3	1.7	2145236	0.4	
17	931.7	1434	0.6	-2	-1.4	0.1	2.1	2185544	0.7	
17	932	1433.1	-0.3	-3.1	-2.9	-0.5	2.3	2222665	1.2	
17	932.3	1432.4	-0.6	-3.6	-4.1	-0.9	2.5	2251345	1.4	
17	932.6	1431.9	-0.2	-3.1	-4.9	-0.1	2.8	2270879	1.6	
17	932.9	1431.6	-0.1	-2.8	-5.1	-0.6	2.9	2283261	1.7	
17	933.2	1431.5	1	-2.3	-5.2	1.2	3	2288252	1.9	
17	933.5	1431.9	0.3	-3.3	-4.5	-0.3	2.9	2290756	2	
17	933.8	1432.1	1.2	-2.3	-3.9	1.3	2.4	2293265	2.2	
17	934.1	1432.7	0.8	-2.5	-2.9	1	2	2293265	2.3	
17	934.4	1433	1.9	-1.4	-1.7	3	1.4	2293265	2.2	
17	934.7	1433.2	2.5	-0.5	-0.8	3.2	1.1	2290756	2.1	
17	935	1433.2	3	1.3	-0.1	3.2	0.7	2283261	1.9	
17	935.3	1432.9	2.9	1.4	0.2	2.6	0.4	2270879	1.7	
17	935.6	1432.8	2.7	1.4	0.6	2	0.2	2253768	1.4	
17	935.9	1432.6	3.5	2.1	0.5	3	0.1	2234526	1.2	
17	936.2	1432.8	3.6	3.3	0.4	2.7	0.3	2213267	1	
17	936.5	1433.2	3.6	2.9	-0.1	3.6	0.8	2192409	1	
17	936.8	1433.5	2.4	1.7	-0.2	1.4	1.1	2174196	0.9	
17	937.1	1433.4	3.4	2.7	-0.8	2	1.4	2167444	0.9	
17	937.4	1433.3	3.7	3	-1	2	1.5	2174196	0.9	
17	937.7	1433	4.2	3.7	-1.4	2.8	1.6	2190116	0.9	
17	938	1432.5	3.3	2.8	-1.8	2.4	1.6	2213267	1.3	
17	938.3	1432.2	3	2.6	-1.9	2.2	1.6	2239306	1.6	
17	938.6	1432.2	2.6	1.6	-2	2.4	1.6	2261070	2.1	
17	938.9	1432.2	1.2	0.3	-2	1.4	1.4	2275816	2.5	
17	939.2	1432.2	1.8	-0.2	-2.3	3.2	1.3	2280774	2.8	
17	939.5	1432.4	2.1	-0.3	-2	3	1.1	2278292	3	
17	939.8	1432.5	2.2	-0.7	-2.1	3.7	1.1	2268419	3.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	940.1	1432.6	1.6	-1	-2	3.1	1.2	2248927	3.8	
17	940.4	1432.5	1.6	-1.7	-2.1	3.5	1.4	2222665	4.1	
17	940.7	1432.4	1.2	-1.9	-2.2	3.3	1.6	2194707	4.3	
17	941	1432.3	1.1	-1.7	-2.4	3.4	1.8	2174196	4.3	
17	941.3	1432.4	1.1	0	-2.6	4.4	2.1	2165202	4.3	
17	941.6	1432.8	0.3	-1	-2.3	2.9	2.4	2167444	4.2	
17	941.9	1433.2	0.8	-0.8	-2.3	3	2.6	2180990	4.1	
17	942.2	1433.6	0.4	-0.5	-2.2	2.5	2.8	2199318	4	
17	942.5	1433.8	0.5	-0.5	-2.1	3.2	2.7	2222665	3.9	
17	942.8	1433.8	1.1	1	-1.8	3.6	2.4	2253768	3.8	
17	943.1	1433.9	1.3	-0.1	-1.4	3.5	2.1	2290756	3.6	
17	943.4	1433.7	1.5	0.8	-0.9	3.8	1.6	2331571	3.6	
17	943.7	1433.5	0.8	-0.9	-0.3	2.8	1	2373867	3.6	
17	944	1433.2	1.4	0.8	-0.1	4	0.5	2401090	3.7	
17	944.3	1433.3	1.7	1.1	0.5	4.1	0.1	2417726	3.9	
17	944.6	1433.5	1.6	1.9	1	4.2	-0.1	2412155	4.1	
17	944.9	1433.8	0.9	1.5	1.4	3.3	-0.1	2395596	4.2	
17	945.2	1434	1.1	1.3	1.5	3.4	0	2363150	4.3	
17	945.5	1433.9	1.6	1.7	1.2	3.7	0.2	2318661	4.3	
17	945.8	1433.7	1.4	0.4	0.8	3.2	0.5	2270879	4.3	
17	946.1	1433.2	2	1.7	-0.1	3.7	0.8	2217956	4.3	
17	946.4	1432.8	1.9	0.7	-0.8	2.8	1.1	2171941	4.3	
17	946.7	1432.2	2.2	1.4	-1.9	2.9	1.4	2136480	4.2	
17	947	1431.6	2.7	0.8	-2.6	3.2	1.4	2110636	4.2	
17	947.3	1431.2	3	0.5	-3.2	3.9	1.4	2091659	4.2	
17	947.6	1431.1	3	0	-3.4	3.7	1.4	2077134	4.2	
17	947.9	1431.1	3.1	0.2	-3.3	3.6	1.3	2064843	4.2	
17	948.2	1431.2	3.6	0.9	-3	4.2	1.2	2054711	4.2	
17	948.5	1431.5	4.3	0.8	-2.5	4.7	1.3	2046677	4.2	
17	948.8	1431.9	5.4	1.8	-2	5.8	1.4	2042684	4.1	
17	949.1	1432	5.3	1.7	-1.7	5.6	1.4	2038706	4.1	
17	949.4	1432.1	5.7	3.3	-1.2	5.7	1.4	2036723	4	
17	949.7	1432.2	5.7	2.3	-1	5.4	1.4	2034743	3.8	
17	950	1432.3	5.9	2.2	-1.1	5.8	1.6	2034743	3.7	
17	950.3	1432.3	5.7	1.5	-1.1	5.4	1.6	2038706	3.5	
17	950.6	1432.3	5.7	2.4	-1.3	5.6	1.7	2050686	3.2	
17	950.9	1432.2	5.6	2.6	-1.4	4.6	1.6	2068924	2.9	
17	951.2	1432.2	5.6	3	-1.7	4.3	1.6	2095847	2.6	
17	951.5	1432.3	5.5	4.3	-1.6	3.7	1.6	2129960	2.4	
17	951.8	1432.3	5.3	3.5	-1.5	3.1	1.5	2171941	2.2	
17	952.1	1432.4	5.1	3	-1.5	2.4	1.5	2215609	2.1	
17	952.4	1432.4	4.7	2.5	-1.5	2.3	1.5	2263514	1.9	
17	952.7	1432.4	4.6	3	-1.5	2.2	1.5	2308435	1.8	
17	953	1432.6	3.1	1.5	-1.3	0.6	1.4	2342003	1.8	
17	953.3	1432.6	3.6	2.4	-1.2	2.2	1.4	2360485	1.8	
17	953.6	1432.6	2.4	1.3	-1.2	0.2	1.3	2363150	1.9	
17	953.9	1432.6	3.2	2.1	-1.4	0.9	1.4	2344626	1.9	
17	954.2	1432.6	3.2	2.9	-1.4	0.7	1.4	2313537	1.9	
17	954.5	1432.5	3.8	3	-1.8	2.1	1.6	2273345	2.2	
17	954.8	1432.5	2.6	2.2	-2	1.2	1.7	2227394	2.5	
17	955.1	1432.5	2.7	2.2	-2.1	1.2	1.9	2183265	2.7	
17	955.4	1432.7	2.9	1.8	-2.2	2.5	2.1	2145236	3	
17	955.7	1432.7	0.9	-0.4	-2.2	0.4	2.1	2114900	3.2	
17	956	1432.8	2.5	1	-2.3	2.8	2.3	2095847	3.4	
17	956.3	1432.9	2.9	2.1	-2.2	2.7	2.3	2085409	3.5	
17	956.6	1433	3.5	2.1	-2.2	3.4	2.4	2085409	3.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	956.9	1432.9	2.7	1	-2.1	2.3	2.3	2093751	3.8	
17	957.2	1433.1	3.1	1.5	-1.7	3.3	2.3	2104272	3.8	
17	957.5	1433	3.7	2.8	-1.6	3.9	2.2	2114900	3.8	
17	957.8	1432.9	3.7	2.6	-1.7	4.3	2.2	2127795	3.8	
17	958.1	1432.9	3.8	2.2	-1.6	6.2	2.1	2136480	3.7	
17	958.4	1432.9	3.9	2.5	-1.5	5.2	2	2140849	3.5	
17	958.7	1432.9	4.3	2.3	-1.4	5.4	1.8	2145236	3.2	
17	959	1432.9	4.4	2.5	-1.3	4.6	1.6	2149641	3	
17	959.3	1432.8	4.6	2.4	-1.1	4.9	1.4	2147437	2.8	
17	959.6	1432.6	4.6	1.9	-1	4.6	1.2	2138663	2.6	
17	959.9	1432.3	4.4	1.4	-1.1	4.1	1.1	2125635	2.7	
17	960.2	1432.2	3.5	0.5	-1	3.2	1	2112766	2.9	
17	960.5	1432	1.7	-1.4	-1.2	0.8	0.8	2100051	3.2	
17	960.8	1432.1	1.9	-1.7	-1.1	1.4	0.7	2089572	3.7	
17	961.1	1432.1	1.3	-3	-1	1.2	0.5	2079196	4.1	
17	961.4	1432.2	2	-3.4	-1	2.6	0.5	2073021	4.6	
17	961.7	1432.1	2.2	-3.1	-1	3.3	0.5	2077134	5.3	
17	962	1431.8	2.1	-3.6	-1.3	4.2	0.7	2085409	6.1	
17	962.3	1431.6	2.3	-3.4	-1.5	5	0.8	2100051	6.6	
17	962.6	1431.5	2.7	-3.2	-1.7	6.4	0.9	2114900	6.8	
17	962.9	1431.8	4.4	-1.3	-1.5	9.4	1.1	2134302	6.8	
17	963.2	1432.2	4.4	-1.3	-1.5	9.2	1.4	2151851	6.6	
17	963.5	1432.3	4.2	-1.4	-1.5	9.1	1.5	2167444	6.3	
17	963.8	1432.5	3.6	-2	-1.7	7.8	1.7	2176456	5.9	
17	964.1	1432.5	3.7	-1.8	-1.6	7.6	1.7	2183265	5.5	
17	964.4	1432.3	3.4	-1.9	-1.7	6.7	1.7	2187827	5.1	
17	964.7	1432.3	3.3	-1.8	-1.6	6	1.8	2194707	4.8	
17	965	1432.4	2.6	-2.1	-1.6	4.9	1.8	2201631	4.6	
17	965.3	1432.5	2	-2.6	-1.5	3.4	1.7	2213267	4.5	
17	965.6	1432.4	1.7	-1.4	-1.6	3	1.6	2229766	4.5	
17	965.9	1432.4	1.4	-2.2	-1.6	2.8	1.4	2246514	4.6	
17	966.2	1432.7	1.5	-0.9	-1.3	3.4	1.3	2270879	4.7	
17	966.5	1432.7	0.9	-2.3	-1.1	2.6	1.1	2298299	4.8	
17	966.8	1432.7	1.5	-1.7	-1.1	3.2	1	2328977	4.9	
17	967.1	1432.7	1.9	-1.9	-1	3.5	0.9	2352529	4.9	
17	967.4	1432.9	2	-0.6	-0.9	4.2	0.9	2371178	4.9	
17	967.7	1432.8	1.8	-0.9	-1	4.1	0.8	2376561	4.9	
17	968	1432.7	2.1	-0.8	-1	4.9	0.9	2373867	4.8	
17	968.3	1432.8	2.3	1.4	-1	4.8	1	2360485	4.6	
17	968.6	1433	2	-0.5	-1	4.4	1.1	2342003	4.4	
17	968.9	1433	2.5	-0.4	-1	5.1	1.2	2321231	4.2	
17	969.2	1433.2	3	-0.5	-0.9	5	1.5	2300825	3.8	
17	969.5	1433.3	3.3	0.6	-0.9	4.4	1.8	2280774	3.5	
17	969.8	1433.4	2.7	-0.4	-1	4	2	2268419	3.2	
17	970.1	1433.5	3.3	-0.4	-1.1	4.1	2.2	2265964	2.9	
17	970.4	1433.2	2.3	-1.4	-1.3	3.1	2.2	2268419	2.8	
17	970.7	1433.1	2.8	-1	-1.5	3.4	2.2	2273345	2.6	
17	971	1433	2.4	-1.5	-1.7	2.6	2.1	2278292	2.5	
17	971.3	1432.8	2.4	-1.9	-1.8	2.2	1.9	2275816	2.4	
17	971.6	1432.5	2	-2.4	-1.8	1.2	1.4	2263514	2.2	
17	971.9	1432.1	3	-1.6	-1.9	2.4	1.1	2246514	2.2	
17	972.2	1432	1.9	-2.7	-1.8	1.5	0.8	2229766	2.2	
17	972.5	1431.9	2.5	-1.9	-2.1	2	0.8	2208598	2.5	
17	972.8	1431.8	1.9	-1.6	-1.8	1.9	0.6	2185544	2.7	
17	973.1	1432	1.7	0	-1.6	1.5	0.6	2165202	2.9	
17	973.4	1432.2	2.6	0.7	-1.5	3	0.7	2149641	3.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	973.7	1432.4	2.7	1.4	-1.4	3.2	0.9	2138663	3.3	
17	974	1432.5	2.9	0.9	-1.4	3.6	1.1	2134302	3.6	
17	974.3	1432.6	2.4	0.2	-1.1	2.5	1.2	2134302	3.8	
17	974.6	1432.7	2.5	0.4	-1.1	3.2	1.3	2134302	4	
17	974.9	1432.8	2.8	0.5	-1.1	2.9	1.4	2136480	4	
17	975.2	1432.8	3.1	0.4	-1.2	3.5	1.4	2138663	4.1	
17	975.5	1432.9	3.3	-1.1	-1.4	4.2	1.4	2140849	4.1	
17	975.8	1433.1	2.9	-1.5	-1.3	3.8	1.4	2145236	4	
17	976.1	1433.1	3.3	-0.9	-1.5	4.8	1.3	2149641	3.9	
17	976.4	1433	3.9	0.3	-1.6	4.6	1.2	2156283	3.5	
17	976.7	1432.9	4.4	0.7	-1.8	5.8	1.2	2162966	3.1	
17	977	1433.1	4.6	1.2	-1.8	5.2	1.4	2169690	2.5	
17	977.3	1433.2	5.2	1.9	-1.9	4.8	1.6	2174196	1.7	
17	977.6	1433.4	5.5	2.9	-1.8	4.2	2	2180990	0.9	
17	977.9	1433.7	4.6	2.6	-1.6	2.8	2.3	2183265	0.4	
17	978.2	1433.9	3.5	1.8	-1.6	1.6	2.6	2185544	0.1	
17	978.5	1434.1	2.2	0.8	-1.4	0.1	2.7	2185544	0.1	
17	978.8	1434.3	2.7	1.2	-0.9	0.2	2.6	2185544	0.2	
17	979.1	1434.4	1.1	0.2	-0.4	-1.2	2.4	2187827	1	
17	979.4	1434.4	1.2	-0.3	-0.2	-0.7	2.2	2197010	1.9	
17	979.7	1434.1	1.4	-0.5	0	-0.3	1.7	2210930	2.7	
17	980	1433.5	1.4	-0.6	-0.4	0.3	1.2	2227394	3.8	
17	980.3	1433	1.1	-0.7	-0.8	1	0.9	2251345	4.6	
17	980.6	1432.7	1	-1.1	-0.9	2.7	0.6	2275816	5.4	
17	980.9	1432.5	1.2	-1.1	-1.2	4.1	0.5	2298299	5.9	
17	981.2	1432.3	1.4	-0.6	-1.6	4.8	0.6	2316096	5.8	
17	981.5	1431.9	2.2	-0.3	-2.5	6.4	1	2331571	5.3	
17	981.8	1431.7	2.9	-0.1	-3	6.4	1.2	2334170	4.6	
17	982.1	1431.7	3.6	0.3	-3.2	6.6	1.4	2331571	4.1	
17	982.4	1431.9	4.3	1.6	-3.1	6.3	1.7	2321231	3.4	
17	982.7	1432.1	4.8	1.5	-2.8	6.8	1.9	2310983	2.9	
17	983	1432.2	3.9	1.6	-2.7	5.2	2	2290756	2.5	
17	983.3	1432.3	3.8	1	-2.4	5.2	2.1	2270879	2.1	
17	983.6	1432.3	2.1	-0.3	-2.1	2.8	2	2253768	1.9	
17	983.9	1432.4	1.2	-1.2	-1.5	1.9	1.9	2236913	1.9	
17	984.2	1432.5	1	-1	-1	1.4	1.7	2227394	2.1	
17	984.5	1432.8	0.8	-2.2	-0.6	1.2	1.7	2220308	2.2	
17	984.8	1433.1	1.4	-0.5	-0.4	1.7	1.7	2215609	2.3	
17	985.1	1433.1	0.7	-1.8	-0.5	0.4	1.7	2213267	2.4	
17	985.4	1433	1.4	-0.5	-0.6	1.8	1.6	2208598	2.5	
17	985.7	1432.8	0.2	-1.5	-0.7	-0.2	1.4	2203948	2.5	
17	986	1432.6	1	-1.6	-0.8	1.8	1.2	2197010	2.6	
17	986.3	1432.2	0.1	-2.6	-1	1.1	1	2190116	2.7	
17	986.6	1431.8	0.4	-2.5	-1.3	2.6	0.8	2183265	2.9	
17	986.9	1431.7	0.1	-2.3	-1.4	1.8	0.7	2178721	3	
17	987.2	1431.7	-0.2	-2.7	-1.6	1.8	0.7	2183265	3	
17	987.5	1431.8	0.6	-2.2	-1.5	2.5	0.6	2197010	3.1	
17	987.8	1431.9	0.4	-2.7	-1.5	1.7	0.7	2225027	3	
17	988.1	1431.9	2	-1.3	-1.6	3.4	0.8	2261070	2.9	
17	988.4	1432.1	1.4	-1.5	-1.5	2.2	1	2310983	2.9	
17	988.7	1432	2.2	-1.1	-1.6	3.6	1.1	2368496	2.9	
17	989	1432.1	0.5	-3.4	-1.3	1.8	1.1	2423322	2.9	
17	989.3	1432	1.7	-2.7	-1.4	4.3	1.1	2463236	3.2	
17	989.6	1432.1	0.7	-3.9	-1.4	2.8	1.2	2495531	3.4	
17	989.9	1432.3	1.7	-3.5	-1.3	3.2	1.3	2510492	3.4	
17	990.2	1432.4	2	-3.5	-1.2	3.6	1.2	2513506	3.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
17	990.5	1432.6	2.7	-1.9	-1	3.5	1.2	2507486	3.3	
17	990.8	1432.7	3.2	-0.3	-1.1	4.7	1.3	2489596	3.2	
17	991.1	1432.8	2.8	0.6	-1.2	4.4	1.4	2471960	3.2	
17	991.4	1432.8	2.9	0.2	-1.2	4.4	1.3	2463236	3.2	
17	991.7	1432.8	1.1	0	-1.2	2.7	1.3	2474882	3	
17	992	1432.8	2.8	1.6	-1.2	4.7	1.2	2495531	2.8	
17	992.3	1432.7	3.2	1.8	-1.4	3.8	1.2	2513506	2.7	
17	992.6	1432.8	3.2	1.8	-1.2	3.4	1.2	2531742	2.5	
17	992.9	1432.8	3	1.9	-1.5	2.6	1.4	2547142	2.4	
17	993.2	1433	2	1	-1.4	1.9	1.4	2559597	2.3	
17	993.5	1433.2	1.1	-0.1	-1.2	1	1.4	2572175	2.3	
17	993.8	1433.3	2.9	1.5	-1.2	2.8	1.6	2575339	2.2	
17	994.1	1433.5	1	-1.2	-0.9	1.9	1.5	2569019	2.1	
17	994.4	1433.5	1.1	-1.8	-0.9	0.8	1.5	2556472	2	
17	994.7	1433.5	2.5	-1.1	-0.9	2.6	1.5	2556472	1.9	
17	995	1433.3	2.6	-1.7	-1	2.2	1.5	2572175	1.8	
17	995.3	1433.3	2.9	-1.9	-0.9	2	1.6	2604167	1.8	
17	995.6	1433.2	1.5	-2.4	-0.9	1.4	1.6	2643624	1.7	
17	995.9	1433.1	2.1	-1.7	-0.9	2.7	1.7	2684295	1.7	
17	996.2	1433	1.7	-0.4	-0.8	1.7	1.6	2729792	1.7	
17	996.5	1433	1.3	0.1	-0.8	1.5	1.5	2780545	1.8	
17	996.8	1432.9	1.8	0.8	-1	2.2	1.4	2829392	2.3	
17	997.1	1433	0.5	-0.3	-0.9	0.2	1.2	2876031	2.5	
17	997.4	1432.9	1.3	-0.1	-0.9	1	1	2920154	2.7	
17	997.7	1432.5	2.5	1.8	-1.1	2.7	0.8	2948944	3.2	
17	998	1432	1.6	0.2	-1.7	3.4	0.8	2978308	4	
17	998.3	1431.4	1.1	0.9	-2.1	3.3	0.6	3008262	4.6	
17	998.6	1431.1	0.5	-0.5	-2.2	3	0.5	3047672	4.4	
17	998.9	1431.1	2.2	2.1	-2.4	5	0.6	3092689	4.4	
17	999.2	1431.6	2.7	2.3	-2.2	5.4	1	3143769	4.2	
17	999.5	1431.9	3.2	3.1	-2.2	5.9	1.1	3201453	3.7	
17	999.8	1432.2	3.3	3.5	-2.3	5	1.2	3266381	3.1	
18	0.1	1432.3	3.2	2.6	-2	3.9	1.1	3339315	2.7	
18	0.4	1432.5	2.8	2.4	-1.8	3.8	1.1	3404472	2.3	
18	0.7	1432.7	2.8	0.8	-1.3	3.7	1.2	3449341	1.8	
18	1	1432.7	2.2	0.8	-1.1	3	1.1	3477990	1.4	
18	1.3	1432.7	2	-0.2	-0.9	1.4	0.9	3495409	1.1	
18	1.6	1432.7	1.2	0.7	-0.8	0.6	0.6	3495409	1.1	
18	1.9	1433.1	1.5	-0.2	-0.5	0.7	0.5	3489584	1.3	
18	2.2	1433.6	1.6	0.9	-0.3	1.1	0.8	3477990	1.7	
18	2.5	1434	1.5	-0.2	-0.1	1.2	1.1	3477990	2	
18	2.8	1434.3	1	-1	0	1.2	1.4	3483777	2.4	
18	3.1	1434.2	0.6	-2.1	-0.3	1	1.6	3524832	2.8	
18	3.4	1434.2	0.6	-2.6	-0.3	1.4	1.7	3597509	3	
18	3.7	1434.2	1.2	-1.6	-0.2	2.4	1.9	3699205	3.3	
18	4	1434.2	0.7	-2.2	-0.1	2.6	2.1	3841744	3.6	
18	4.3	1434.3	1	-0.1	0	2.8	2.1	3995706	3.8	
18	4.6	1434	1	-1.8	0	2.8	1.7	4162525	3.9	
18	4.9	1433.7	1.4	-1.8	0.1	3.4	1.2	4317011	4	
18	5.2	1433.4	1.6	-1.6	0	3.6	0.7	4454788	4	
18	5.5	1433.1	2.1	-0.9	0.2	4.6	0.4	4561547	4.1	
18	5.8	1432.8	2.1	0.1	0.2	4.4	0.2	4632191	4.1	
18	6.1	1432.2	2.2	1.1	-0.1	4.2	-0.1	4684005	4	
18	6.4	1431.7	2.1	-0.8	-0.2	4.1	-0.4	4705057	3.9	
18	6.7	1431.3	2.4	1.4	-0.5	4.1	-0.5	4715653	3.8	
18	7	1431	2.6	1.5	-0.5	4.2	-0.5	4715653	3.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	7.3	1430.8	2.6	0.1	-0.6	3.8	-0.4	4684005	3.8	
18	7.6	1431	2.9	0.3	-0.4	4	-0.1	4642462	3.7	
18	7.9	1430.9	2.7	-0.2	-0.5	3.4	0	4611784	3.6	
18	8.2	1430.7	2.9	1.4	-0.7	3.3	0.1	4601649	3.5	
18	8.5	1430.6	2.9	0.8	-0.5	3.1	0.1	4581510	3.5	
18	8.8	1430.3	3.1	1.4	-0.6	3.2	0.1	4551631	3.4	
18	9.1	1430.2	3.2	1.9	-0.6	3	0	4531927	3.2	
18	9.4	1429.9	3.3	1.5	-0.7	3	-0.1	4571507	3.1	
18	9.7	1429.8	3.8	3.3	-0.7	3.4	-0.1	4642462	3	
18	10	1429.6	3.6	2.3	-1	3.1	-0.1	4747733	3	
18	10.3	1429.6	3.7	1.2	-1.2	3.3	0	4857889	3	
18	10.6	1429.8	4.1	2.5	-1.3	3.4	0.4	4985119	2.9	
18	10.9	1429.8	4.4	3.3	-1.5	3.6	0.8	5144349	3	
18	11.2	1430	4.4	3.9	-1.4	3.2	1.1	5300633	3.1	
18	11.5	1430.2	4.3	2.1	-1.3	2.8	1.3	5424223	3.1	
18	11.8	1430.4	4.2	1.5	-1.1	2.6	1.4	5495407	3.2	
18	12.1	1430.4	4.2	1	-1.2	2.4	1.4	5524407	3.3	
18	12.4	1430.5	4.2	0.9	-1	2.4	1.2	5553714	3.3	
18	12.7	1430.8	4.1	0.9	-0.7	2.3	1.1	5628360	3.3	
18	13	1430.7	4.3	1.5	-0.6	2.2	0.7	5752061	3.2	
18	13.3	1430.4	4.8	2	-0.5	2.3	0.2	5897888	2.9	
18	13.6	1430.2	5.4	3.2	-0.3	2.7	-0.2	6051301	2.5	
18	13.9	1430.1	6	4	-0.3	3.2	-0.5	6250000	2	
18	14.2	1430.3	6.3	5.1	-0.2	3.4	-0.6	6502329	1.6	
18	14.5	1430.6	6.3	4.8	-0.1	3.2	-0.6	6820033	1.4	
18	14.8	1430.9	6.5	4.9	-0.2	3.4	-0.3	7145905	1.2	
18	15.1	1431.2	6.5	5	-0.6	3.6	0	7398410	1.2	
18	15.4	1431.4	6.5	5.5	-0.9	3.6	0.5	7531475	1.2	
18	15.7	1431.5	6.4	5.8	-0.9	3.4	0.9	7613637	1.3	
18	16	1431.4	6	5.4	-1.3	3.2	1.2	7669414	1.8	
18	16.3	1431.6	5.3	4.1	-1.2	3	1.4	7669414	2.4	
18	16.6	1431.9	4.9	4.2	-1.1	3.1	1.4	7613637	2.8	
18	16.9	1432.1	4.7	3.7	-1	3.3	1.4	7531475	3.1	
18	17.2	1432.4	4.4	3.4	-1	3.2	1.5	7424646	3.3	
18	17.5	1432.8	4.2	2.8	-0.6	3.1	1.4	7295296	3.5	
18	17.8	1432.8	3.9	2.3	-0.3	2.8	1.1	7244810	3.6	
18	18.1	1432.7	3.9	1.8	-0.2	2.8	0.9	7244810	3.6	
18	18.4	1432.8	3.8	1.7	0.2	2.8	0.8	7320804	3.7	
18	18.7	1432.8	3.5	1.3	0.2	3.2	0.8	7424646	3.7	
18	19	1432.8	2.8	0.7	0.1	2.7	0.8	7531475	3.6	
18	19.3	1432.8	2.7	0.3	0.1	2.2	0.6	7586051	3.5	
18	19.6	1432.8	2.5	-0.1	0.1	2	0.4	7586051	3.4	
18	19.9	1432.8	2.7	0.1	0	1.9	0.2	7586051	3.2	
18	20.2	1432.6	2.8	-0.1	-0.1	3	0.1	7558664	3.1	
18	20.5	1432.5	3.1	0.4	0	2.6	0	7477679	2.8	
18	20.8	1432.2	3.3	0.4	-0.4	2.8	-0.1	7372359	2.6	
18	21.1	1432	2.8	-0.1	-0.6	2.1	-0.1	7269965	2.5	
18	21.4	1432	2.6	-0.5	-0.6	2.8	0	7170377	2.3	
18	21.7	1432.1	3.3	0.1	-0.6	2.9	0.1	7073480	2.1	
18	22	1432.3	3.4	0.1	-0.6	3.3	0.3	7002509	2	
18	22.3	1432.4	3.8	0	-0.8	3.5	0.6	7002509	2.1	
18	22.6	1432.4	2	-1.6	-0.6	1.5	0.6	7026007	2.1	
18	22.9	1432.4	2.7	-1	-0.7	2.2	0.6	7097458	2.2	
18	23.2	1432.5	2.4	-1.7	-0.6	1.7	0.7	7170377	2.4	
18	23.5	1432.5	2.9	-1.5	-0.3	2.6	0.8	7219828	2.5	
18	23.8	1432.4	1.4	-3	-0.3	1.2	0.8	7195017	2.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	24.1	1432.4	2.3	-2	-0.2	2.1	0.8	7097458	2.7	
18	24.4	1432.4	1.8	-2.4	-0.1	1.5	0.6	6955980	2.8	
18	24.7	1432.3	2.1	-2.1	0.1	2	0.3	6820033	2.8	
18	25	1432.3	2.3	-1.9	0.2	2.6	0.2	6710737	2.8	
18	25.3	1432.5	2.2	-1.9	0.3	3	0.2	6604890	2.7	
18	25.6	1432.5	2.9	-1.4	0.4	3.2	0.1	6542969	2.5	
18	25.9	1432.1	2.8	-2	0.2	2.5	0	6542969	2.3	
18	26.2	1431.8	3.1	-2.3	0.1	3.4	-0.1	6584120	2.1	
18	26.5	1431.5	2.4	-3.6	0.1	1.9	-0.2	6689297	1.7	
18	26.8	1431.5	2.7	-3.6	0.2	2.9	-0.2	6820033	1.5	
18	27.1	1431.5	2.1	-4.2	0	1.6	-0.1	6955980	1.3	
18	27.4	1431.5	2.9	-3.6	-0.2	2.6	0.1	7170377	1.2	
18	27.7	1431.5	1	-5.5	-0.3	0.3	0.1	7372359	1.1	
18	28	1431.6	2	-4.5	-0.2	1.1	0	7558664	1.1	
18	28.3	1431.4	2.3	-4.1	-0.3	1.3	-0.2	7754630	1.1	
18	28.6	1431.1	2.1	-3.9	-0.5	1.1	-0.3	8022031	1.2	
18	28.9	1430.8	2	-3.3	-0.8	1.8	-0.3	8308532	1.4	
18	29.2	1430.7	0.8	-4.1	-1.1	0.7	-0.2	8616255	1.7	
18	29.5	1430.8	1.4	-3.3	-1.1	2.1	-0.1	8760460	2	
18	29.8	1430.8	0.8	-3.6	-1	1.2	-0.1	8760460	2.3	
18	30.1	1430.8	1.3	-2.9	-1	3	0	8545919	2.5	
18	30.4	1431.1	1	-2.9	-1	2	0.3	8210785	2.6	
18	30.7	1431.6	1.4	-2.5	-0.8	2.4	0.8	7783457	2.7	
18	31	1432	1.3	-2.5	-0.5	2.3	1.2	7320804	2.8	
18	31.3	1432.4	0.8	-2.7	-0.2	1.4	1.5	6910066	2.8	
18	31.6	1432.5	0.9	-1.9	-0.2	1.7	1.7	6604890	2.7	
18	31.9	1432.6	0.6	-2.1	-0.2	1.3	1.7	6422546	2.7	
18	32.2	1432.3	0.9	-1.6	0	2.1	1.4	6383384	2.6	
18	32.5	1432.2	0.6	-2.1	0.2	0.9	1.1	6482198	2.5	
18	32.8	1432	1.2	-1.6	0.1	1.3	0.8	6646826	2.4	
18	33.1	1431.8	1	-2.1	0	0.3	0.4	6910066	2.3	
18	33.4	1431.4	1.4	-1.9	-0.2	0.6	0	7269965	2.2	
18	33.7	1431.4	2.3	-0.5	-0.3	1.7	-0.1	7754630	2.2	
18	34	1431.3	2.9	0.3	-0.3	2.8	-0.1	8308532	2.2	
18	34.3	1431.3	2.6	-0.7	-0.4	3	0	8947650	2.3	
18	34.6	1431.1	2.1	-1.3	-0.4	2	0	9517046	2.3	
18	34.9	1430.9	3.1	-0.7	-0.7	3.9	0.2	9970238	2.3	
18	35.2	1431.1	3.6	1.6	-0.6	4.2	0.5	10314040	2	
18	35.5	1431.3	4.5	1.8	-0.6	4.8	0.8	10521357	1.7	
18	35.8	1431.3	4.6	2.2	-0.5	4.2	0.9	10468750	1.1	
18	36.1	1431.2	4.8	1.9	-0.6	3.6	1	10066106	0.6	
18	36.4	1430.9	3.8	2.4	-0.6	1.9	0.9	9517046	0.3	
18	36.7	1430.8	3.3	1	-0.6	1.5	0.8	8871822	0.1	
18	37	1430.7	3.9	2.1	-0.8	2.2	0.8	8275692	0.2	
18	37.3	1430.6	2.5	0.4	-0.6	0.8	0.6	7754630	1.1	
18	37.6	1430.5	1.7	-0.6	-0.9	0.5	0.6	7346491	2.4	
18	37.9	1430.4	1.8	-0.4	-1	0.8	0.4	7026007	3.4	
18	38.2	1430.4	1.7	-1.2	-0.9	1.3	0.2	6775890	4.5	
18	38.5	1430.1	1.4	-1.4	-0.8	1.6	-0.1	6584120	5.5	
18	38.8	1429.9	1.4	-1.7	-0.9	2.7	-0.1	6442308	6.1	
18	39.1	1429.9	1.3	-1.1	-0.8	3.1	-0.1	6363982	6.4	
18	39.4	1430.2	1.8	-0.9	-0.7	3.9	0.2	6344697	6.4	
18	39.7	1430.3	2.4	0.3	-0.5	5.1	0.4	6363982	6.1	
18	40	1430.5	3.5	0.6	-0.7	6.1	0.8	6383384	5.5	
18	40.3	1430.7	4.3	3.3	-0.8	6.4	1.1	6422546	4.7	
18	40.6	1430.8	5.2	3.2	-0.9	6.7	1.4	6522586	3.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	40.9	1430.9	5.7	3.4	-1.1	6.9	1.6	6732315	2.8	
18	41.2	1430.8	5.9	3.8	-1.1	6.4	1.6	7073480	2.1	
18	41.5	1430.7	5.8	3.8	-1.2	5.8	1.4	7504480	1.6	
18	41.8	1430.6	4.7	3.9	-1	4	1	8022031	1.4	
18	42.1	1430.3	4.4	3	-1	3.2	0.5	8580943	1.3	
18	42.4	1430.2	4.1	3.3	-0.7	2.2	0.1	9183114	1.4	
18	42.7	1430.3	3.4	2.1	-0.3	1.1	-0.2	9738372	1.7	
18	43	1430.3	2.6	1.6	0.1	0.2	-0.6	10314040	2.2	
18	43.3	1430.6	1.8	0.4	0.5	-0.4	-0.8	10682398	2.6	
18	43.6	1430.7	1.9	0.6	0.8	0	-1	10737180	3.2	
18	43.9	1431	2	1.2	1.1	0.6	-1	10737180	3.6	
18	44.2	1431.1	2.3	1.4	1.2	1.9	-1	10682398	3.8	
18	44.5	1431.3	2.5	1.9	1.3	2.3	-0.8	10628173	3.9	
18	44.8	1431.1	3.1	2.2	1.1	3	-0.7	10416667	3.9	
18	45.1	1430.9	3.6	3	0.8	3.6	-0.5	10163835	3.8	
18	45.4	1430.9	3.9	2.7	0.5	4.4	-0.2	9922986	3.6	
18	45.7	1430.8	4	3	0	4.9	0.2	9693287	3.5	
18	46	1431.1	4.2	2.8	-0.2	5	0.8	9473982	3.3	
18	46.3	1431.1	4.2	1.9	-0.7	4.8	1.1	9223568	3.1	
18	46.6	1431.3	3.7	0.8	-0.8	4.1	1.4	8986052	3	
18	46.9	1431.2	3.8	1.2	-1.2	4.1	1.5	8760460	2.9	
18	47.2	1431.2	4	1.9	-1.2	3.5	1.6	8651860	2.8	
18	47.5	1431	4.2	1.1	-1.3	3.1	1.6	8580943	2.7	
18	47.8	1430.8	3.7	0.1	-1.2	2.8	1.4	8616255	2.7	
18	48.1	1430.7	3.4	-1.1	-1	2.6	1.1	8687760	2.6	
18	48.4	1430.4	3.2	-1.4	-1.1	2.3	0.7	8760460	2.5	
18	48.7	1430.4	3.1	-1.7	-0.7	2	0.4	8760460	2.3	
18	49	1430.3	2.9	-0.9	-0.7	1.9	0.1	8723959	2.2	
18	49.3	1430.5	2.8	-0.5	-0.4	1.8	-0.1	8651860	2	
18	49.6	1430.5	3.5	-0.4	-0.5	2.3	-0.2	8651860	1.9	
18	49.9	1430.4	3.9	1.4	-0.3	2.2	-0.2	8651860	1.8	
18	50.2	1430.4	3.2	1.5	-0.3	1.6	-0.2	8760460	1.7	
18	50.5	1430.4	2.8	1	-0.2	1.1	-0.2	8947650	1.7	
18	50.8	1430.4	2.6	0.9	-0.3	1	-0.2	9223568	1.8	
18	51.1	1430.3	2.7	1.3	-0.4	0.9	-0.3	9604358	1.9	
18	51.4	1430.5	2.6	1.2	-0.4	1.1	-0.2	10066106	2.5	
18	51.7	1430.8	2.1	0.8	-0.2	0.8	-0.1	10521357	2.9	
18	52	1431.1	2.2	0.4	-0.1	0.6	0	10848446	3.2	
18	52.3	1430.9	2.8	0.4	-0.1	1	-0.2	10962042	3.6	
18	52.6	1430.9	3	-0.5	-0.1	1.4	-0.2	10904948	3.8	
18	52.9	1430.8	3.4	-0.9	0	2.1	-0.4	10682398	3.8	
18	53.2	1431.3	3.7	-1.5	0.3	2.8	-0.3	10263481	3.8	
18	53.5	1431.7	4.3	-1.4	0.5	3.5	-0.1	9876179	3.7	
18	53.8	1431.8	5	-0.9	0.5	3.8	-0.1	9473982	3.2	
18	54.1	1431.8	5.5	-0.3	0.4	4	0	9103261	2.7	
18	54.4	1431.9	6.1	1.4	0.3	4.2	0.1	8760460	2.1	
18	54.7	1432	6.9	2.5	0.3	4	0.4	8476721	1.3	
18	55	1431.9	7.5	3.4	0	4.3	0.7	8275692	0.7	
18	55.3	1432	7.4	4	0	3.8	1	8146887	0.3	
18	55.6	1432.2	6.9	4.3	-0.3	2.7	1.3	8115310	0	
18	55.9	1432.3	6.3	4.5	-0.5	1.7	1.4	8243110	-0.1	
18	56.2	1432.4	6.2	4.3	-0.7	1.2	1.6	8651860	0	
18	56.5	1432.1	6.2	4.2	-0.8	0.8	1.5	9347098	0	
18	56.8	1432	5.8	3.5	-0.9	0.3	1.4	10416667	0.1	
18	57.1	1431.7	5.5	3	-0.8	-0.2	1.1	12033046	0.2	
18	57.4	1431.4	4.8	1.7	-0.7	-0.7	0.8	14539931	0.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	57.7	1431.1	4.3	0.7	-0.6	-0.5	0.5	18528761	1.2	
18	58	1431	4.7	0.8	-0.5	0.5	0.2		1.5	
18	58.3	1431.2	4.7	0.7	-0.3	1.2	0		1.8	
18	58.6	1431.2	5	0.8	-0.4	1.7	-0.1		2	
18	58.9	1431.1	5.2	1	-0.5	2	0		2.2	
18	59.2	1431	5.1	1.4	-0.8	2.2	0.1		2.4	
18	59.5	1430.8	4.9	1.1	-1	2.5	0.2		2.6	
18	59.8	1430.6	4.8	0.8	-1.3	2.8	0.4		2.7	
18	60.1	1430.4	4.7	0.5	-1.5	3	0.5		2.8	
18	60.4	1430.4	4.5	0.8	-1.5	2.9	0.6		3	
18	60.7	1430.7	4.4	1	-1.4	3	0.7		3	
18	61	1430.9	4.5	1.3	-1.1	3	0.7		2.9	
18	61.3	1431.1	4.7	1.6	-0.7	2.9	0.6		2.8	
18	61.6	1431.3	4.7	1.8	-0.3	2.9	0.5		2.8	
18	61.9	1431.6	4.5	1.7	0.2	3	0.4		2.7	
18	62.2	1431.7	4.6	1.1	0.4	3.3	0.3		2.6	
18	62.5	1431.6	4.7	0.8	0.5	3.4	0.2		2.5	
18	62.8	1431.6	4.4	1.2	0.5	3.4	0.2		2.5	
18	63.1	1431.6	4.2	1.4	0.2	3.3	0.2		2.4	
18	63.4	1431.4	3.9	1.3	0	3	0		2.3	
18	63.7	1431.3	4	1.3	-0.2	3.1	-0.1		2.2	
18	64	1431.2	4	1.4	-0.5	2.8	-0.1		2.2	
18	64.3	1431.2	3.6	1.5	-0.7	2.6	-0.1		2.1	
18	64.6	1431.4	3.1	0.9	-0.6	2	0		2	
18	64.9	1431.3	2.9	0.1	-0.5	1.8	-0.1		1.9	
18	65.2	1431.4	2.5	-0.5	-0.4	1.6	-0.1		1.9	
18	65.5	1431.7	2.2	-1.2	-0.1	1.8	-0.1		1.9	
18	65.8	1431.9	2	-1.7	0.4	2	-0.2		1.9	
18	66.1	1432.1	1.5	-2.8	0.9	2.1	-0.4		1.9	
18	66.4	1432.2	2.2	-2.8	1.4	2.5	-0.7		1.9	
18	66.7	1432.3	1.7	-3.8	1.6	2.2	-0.9		1.9	
18	67	1432.3	1.5	-4.6	1.8	2.6	-1.2	-1.9E+07	1.9	
18	67.3	1432.3	1.3	-5.6	2	2.5	-1.4	-1.6E+07	1.8	
18	67.6	1432.2	1.3	-6.2	2.1	3	-1.5	-1.4E+07	1.8	
18	67.9	1432.1	0.5	-6.9	2	2.4	-1.4	-1.2E+07	1.8	
18	68.2	1432	-0.1	-7	1.9	2	-1.4	-1.1E+07	1.8	
18	68.5	1431.8	-1.3	-7.6	1.6	1.1	-1.4	-1.1E+07	1.9	
18	68.8	1431.8	-0.8	-7	1.2	1.3	-1.3	-1E+07	2.1	
18	69.1	1432	-0.9	-7.1	1.1	1.2	-1.2	-1E+07	2.4	
18	69.4	1432	-1.4	-7.2	0.9	0.9	-1	-1E+07	2.8	
18	69.7	1432.1	-1.7	-7.2	0.9	0.8	-0.8	-1E+07	3.3	
18	70	1431.8	-2.4	-7.2	0.6	0.4	-0.7	-1E+07	3.7	
18	70.3	1431.3	-2.4	-6.7	0	1.3	-0.7	-1E+07	4	
18	70.6	1431.1	-2.6	-7.3	-0.4	1.4	-0.6	-1E+07	4.2	
18	70.9	1431.2	-2.6	-7.3	-0.7	2.8	-0.5	-1E+07	4.4	
18	71.2	1431.6	-2.2	-7.2	-0.6	2.5	-0.4	-1E+07	4.2	
18	71.5	1431.8	-1	-6.2	-0.8	3.6	-0.2	-1E+07	3.8	
18	71.8	1431.9	-0.5	-5.6	-0.9	3.1	-0.1	-1E+07	3	
18	72.1	1431.7	0.2	-4.7	-1.1	3.4	-0.1	-1E+07	2.1	
18	72.4	1431.7	0.5	-4.3	-1	3.3	0	-1E+07	1.5	
18	72.7	1432	0.1	-4.6	-0.5	2.2	0.2	-1E+07	0.9	
18	73	1432.3	0.5	-4	0	2.6	0.3	-1E+07	0.5	
18	73.3	1432.9	-0.7	-5.1	0.5	0.8	0.4	-9922986	0.2	
18	73.6	1433.4	-0.2	-4.7	0.8	1.6	0.5	-9783879	0.2	
18	73.9	1433.7	-0.7	-5.4	0.9	0	0.5	-9604358	0.1	
18	74.2	1433.7	0.2	-4.5	0.9	0.9	0.5	-9305556	0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	74.5	1433.7	-0.5	-5	1	0	0.5	-8909575	0.7	
18	74.8	1433.5	-0.3	-4.9	0.9	0.8	0.4	-8408635	1.1	
18	75.1	1433.3	0	-4.7	0.7	1.2	0.2	-7900944	1.3	
18	75.4	1433	-0.5	-4.9	0.3	0.9	0	-7372359	1.5	
18	75.7	1432.9	-0.1	-4.3	0.2	1.9	-0.2	-6932947	1.7	
18	76	1432.7	-0.9	-4.8	0	1.1	-0.5	-6625791	1.9	
18	76.3	1432.7	-0.1	-4.1	0.1	2.3	-0.8	-6442308	2.1	
18	76.6	1432.7	-0.2	-4.2	0.3	1.8	-1	-6363982	2.3	
18	76.9	1432.6	0.2	-3.4	0.5	2.8	-1.2	-6383384	2.5	
18	77.2	1432.7	-0.4	-3.5	0.9	2.2	-1.3	-6502329	2.6	
18	77.5	1432.8	0.1	-2.8	1.2	3.1	-1.3	-6710737	2.7	
18	77.8	1433	-0.4	-2.9	1.6	2.4	-1.3	-6979167	2.8	
18	78.1	1432.9	0	-2.2	1.6	2.6	-1.2	-7244810	2.8	
18	78.4	1432.9	0	-2	1.5	2.7	-1	-7477679	2.8	
18	78.7	1433.1	0.1	-1.4	1.3	2.3	-0.7	-7641424	2.7	
18	79	1433.1	0.4	-1.8	0.9	2.9	-0.4	-7697610	2.7	
18	79.3	1432.9	0.2	-1.5	0.2	1.9	-0.1	-7669414	2.6	
18	79.6	1432.7	0.2	-1.3	-0.5	2.7	0.2	-7558664	2.7	
18	79.9	1432.5	-0.6	-1.9	-1.1	1.2	0.5	-7398410	2.7	
18	80.2	1432.4	0.5	-0.8	-1.5	2.4	0.7	-7219828	2.6	
18	80.5	1432.2	0.6	0.1	-1.6	1.9	0.8	-7073480	2.5	
18	80.8	1432.2	1.1	1.2	-1.6	2.8	0.8	-6979167	2.5	
18	81.1	1432.4	1	2.3	-1.3	2.4	0.7	-6932947	2.4	
18	81.4	1432.6	0.7	1.5	-0.8	2.1	0.5	-6910066	2.4	
18	81.7	1433	1.6	2.5	-0.2	3	0.4	-6910066	2.4	
18	82	1433.2	0.9	2.3	0.2	2.4	0.3	-6910066	2.4	
18	82.3	1433.4	1.8	3.5	0.5	3.2	0.2	-6910066	2.3	
18	82.6	1433.3	1.8	4.2	0.6	2.6	0.1	-6910066	2.3	
18	82.9	1433.2	2.4	4.8	0.7	3.4	0	-6864754	2.3	
18	83.2	1433.1	1.6	4.2	0.6	2	-0.1	-6797890	2.3	
18	83.5	1432.9	2	4.6	0.3	2.4	-0.3	-6689297	2.3	
18	83.8	1432.7	1.5	3.7	0.1	2.6	-0.5	-6502329	2.2	
18	84.1	1432.7	1.7	2.7	0.2	2.6	-0.8	-6287538	2.1	
18	84.4	1432.7	1.7	2.2	0.4	2.4	-1.1	-6033862	1.9	
18	84.7	1432.9	2.5	2.3	0.7	2.7	-1.4	-5752061	1.6	
18	85	1432.9	2.5	2	1.1	2.2	-1.7	-5481021	1.4	
18	85.3	1432.9	1.9	1.8	1.4	1	-2	-5208334	1.1	
18	85.6	1433.1	2.8	2.3	1.7	2.1	-1.9	-4985119	0.6	
18	85.9	1433.3	2.8	3.5	1.8	1.2	-1.6	-4791190	0.3	
18	86.2	1433.6	1.6	1.8	2	0.4	-1.3	-4642462	0.1	
18	86.5	1433.6	0.8	1.5	2.1	-1	-1.1	-4531927	0	
18	86.8	1433.6	1.5	1.3	1.8	0.2	-0.8	-4473825	0	
18	87.1	1433.8	1.1	1.6	1.8	-1.2	-0.6	-4454788	-0.1	
18	87.4	1433.7	1.6	1.9	1.4	-1	-0.4	-4464286	-0.1	
18	87.7	1433.8	1.6	1.6	1.5	-0.7	-0.3	-4493026	0	
18	88	1433.5	1	1.5	1	-1.3	-0.3	-4531927	0	
18	88.3	1433.3	1.8	1.9	0.9	-0.4	-0.5	-4561547	0.1	
18	88.6	1433	1	1.9	0.6	-0.2	-0.8	-4581510	0.3	
18	88.9	1432.6	1.9	2	0.4	2.5	-1.1	-4571507	0.9	
18	89.2	1432.5	0.9	1.1	0.3	1.2	-1.3	-4531927	1.4	
18	89.5	1432.4	1.9	1.7	0	3.2	-1.4	-4464286	1.7	
18	89.8	1432.4	2.5	2.9	0.1	3.2	-1.4	-4380230	1.9	
18	90.1	1432.4	2.7	2.6	-0.1	3.7	-1.4	-4281698	2.3	
18	90.4	1432.4	1.7	2.1	-0.1	3.5	-1.3	-4179142	2.7	
18	90.7	1432.5	1.8	1.8	-0.3	3.4	-1	-4097359	3.1	
18	91	1432.7	1.4	1.4	-0.1	4.1	-0.7	-4034201	3.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	91.3	1433	-0.3	-0.4	0.3	1.7	-0.5	-3995706	3.7	
18	91.6	1433.5	0.7	0.3	0.7	3.6	-0.2	-3988096	3.9	
18	91.9	1433.7	-0.3	-0.5	0.9	2.2	-0.1	-3995706	4.1	
18	92.2	1433.7	0.9	0.7	1.1	3.4	-0.1	-4011016	4.2	
18	92.5	1434.1	1.1	1.7	1.5	3.3	0	-4034201	4.2	
18	92.8	1434.1	0.9	0.4	1.6	3.9	0	-4065534	4.2	
18	93.1	1434.2	1.3	0.7	1.7	3.7	0	-4097359	4	
18	93.4	1434	0.7	-0.4	1.6	3.1	-0.1	-4105393	3.8	
18	93.7	1433.8	1.5	0.5	1.5	4.8	-0.4	-4113458	3.6	
18	94	1433.6	1.1	0.4	1.2	3.6	-0.6	-4105393	3.3	
18	94.3	1433.3	1.3	-0.3	0.9	4.2	-0.9	-4105393	3	
18	94.6	1433	0.9	0	0.7	2.8	-1.2	-4105393	2.7	
18	94.9	1432.9	1.3	-0.5	0.5	3.3	-1.4	-4097359	2.6	
18	95.2	1432.6	0.6	-1.2	0.5	2.3	-1.8	-4081384	2.3	
18	95.5	1432.6	1.3	-1.1	0.3	3	-1.8	-4065534	2.2	
18	95.8	1432.4	1.3	-0.3	0.3	2.9	-1.9	-4041989	2.1	
18	96.1	1432.5	1	-1	0.4	1.9	-1.9	-4003346	2.1	
18	96.4	1432.5	0.9	-0.6	0.5	2	-1.9	-3950472	2.2	
18	96.7	1432.9	0.4	-1.3	0.8	1.8	-1.6	-3898976	2.4	
18	97	1433.2	0.6	-1.1	1.1	2.4	-1.4	-3848806	2.7	
18	97.3	1433.5	0.1	-2.4	1.3	1.9	-1.2	-3806819	3	
18	97.6	1433.8	0.4	-2.1	1.5	3.2	-1	-3779333	3.4	
18	97.9	1434	-0.4	-2.3	1.5	1.9	-0.9	-3765738	3.6	
18	98.2	1434.1	0.3	-2.5	1.6	2.9	-0.9	-3779333	3.8	
18	98.5	1434.2	0.8	-2	1.5	3.4	-0.8	-3820712	3.9	
18	98.8	1434.1	1	-0.6	1.4	3.7	-0.8	-3898976	4.1	
18	99.1	1434.1	0.7	-0.1	1.2	3.7	-0.8	-4018714	4.2	
18	99.4	1433.9	0.9	-0.6	0.9	3.9	-0.8	-4162525	4.2	
18	99.7	1433.9	1.1	0	0.8	4.4	-0.7	-4325930	4.2	
18	100	1434	0.6	-1	0.7	3.6	-0.6	-4493026	4.2	
18	100.3	1434.1	1.2	-0.4	0.7	4.4	-0.5	-4652778	4	
18	100.6	1434.3	1.1	0.1	0.7	3.7	-0.2	-4780251	3.8	
18	100.9	1434.4	1.7	-0.1	0.5	3.9	0	-4846644	3.4	
18	101.2	1434.6	1.9	0.9	0.5	3.3	0.2	-4835451	3	
18	101.5	1434.5	2.1	0.2	0.3	3.2	0.4	-4758523	2.7	
18	101.8	1434.3	1.8	0.9	0.2	1.8	0.5	-4621965	2.3	
18	102.1	1434.1	1.7	-0.2	0.1	1.4	0.5	-4473825	1.9	
18	102.4	1433.9	2	-0.5	0	1.6	0.5	-4325930	1.6	
18	102.7	1433.8	2	-0.7	-0.1	0.8	0.5	-4170817	1.4	
18	103	1433.6	2.1	0.4	-0.2	1.3	0.4	-4034201	1.2	
18	103.3	1433.6	1.6	-0.2	0.2	-0.1	0	-3913552	1	
18	103.6	1433.6	2.2	0.8	0.2	0.3	-0.2	-3827697	0.9	
18	103.9	1433.5	2.5	2.8	0.6	0.1	-0.6	-3793026	0.6	
18	104.2	1433.3	3.8	3.1	0.9	1.2	-0.8	-3793026	0.3	
18	104.5	1433.2	3.3	3.6	1.3	0.5	-1.1	-3827697	0.1	
18	104.8	1432.9	3.3	2.4	1.2	0.4	-1.5	-3898976	0.1	
18	105.1	1432.7	4	2.9	1.2	1.1	-1.9	-3988096	0.1	
18	105.4	1432.4	2.9	2	1.2	-0.2	-2.2	-4113458	0.2	
18	105.7	1432.5	3.6	2.3	1	1.2	-2.2	-4229798	0.7	
18	106	1432.6	3.7	3	0.8	2	-2.1	-4352911	1.4	
18	106.3	1432.4	3.9	2.4	0.5	2.8	-2	-4464286	2.3	
18	106.6	1432.1	4.1	3	-0.1	2.8	-1.8	-4571507	3	
18	106.9	1432	4.1	2.8	-0.5	3.6	-1.5	-4642462	3.6	
18	107.2	1432.4	4.1	3.2	-0.3	3.9	-1.2	-4694507	4.1	
18	107.5	1432.9	4	2.7	-0.2	3.8	-0.8	-4736991	4.4	
18	107.8	1433.2	4.5	3.9	-0.2	5	-0.5	-4769363	4.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	108.1	1433.7	4.6	3.3	-0.1	4.6	-0.1	-4802179	4.5	
18	108.4	1434.1	4.1	2.8	0.1	4.3	0.1	-4846644	4.5	
18	108.7	1434.4	4.4	3.4	0.6	4.3	0.3	-4880536	4.2	
18	109	1434.7	4.9	4	1	4.2	0.5	-4914906	3.8	
18	109.3	1434.7	5	4.6	1.3	3.8	0.5	-4926471	3.4	
18	109.6	1434.9	5.3	4.7	1.4	3.6	0.5	-4938090	2.9	
18	109.9	1435.2	5.1	5	1.6	3.4	0.4	-4926471	2.6	
18	110.2	1435.3	5.2	4.8	1.9	3.2	0.2	-4880536	2.3	
18	110.5	1435.2	5.3	5.7	1.8	2.7	-0.1	-4813219	1.9	
18	110.8	1435.1	4.9	4.6	2	2.2	-0.4	-4715653	1.6	
18	111.1	1434.7	4.8	4	1.7	2	-0.8	-4601649	1.4	
18	111.4	1434.3	5	4	1.5	1.9	-1.2	-4483405	1.1	
18	111.7	1433.8	5.2	4.5	1.2	2	-1.5	-4371086	1	
18	112	1433.7	5.2	4.3	1	1.9	-1.6	-4264257	1	
18	112.3	1433.5	4.6	3.5	0.7	1.7	-1.7	-4162525	1	
18	112.6	1433.2	4.1	3.5	0.3	1.2	-1.8	-4065534	1	
18	112.9	1433.2	4.5	3.3	0.2	1.8	-1.7	-3957940	1	
18	113.2	1433	4.6	3.5	0.1	2	-1.6	-3848806	1	
18	113.5	1433.1	3.9	2.2	0	1.8	-1.3	-3752241	1.2	
18	113.8	1433.4	3.5	1.6	0.1	1.3	-0.9	-3654014	1.4	
18	114.1	1433.5	3.4	1.3	0.2	1.3	-0.6	-3560800	1.5	
18	114.4	1433.7	3.4	1.6	0.3	1.4	-0.4	-3466474	1.5	
18	114.7	1433.9	2.7	1	0.3	1.3	-0.2	-3398945	1.7	
18	115	1434.1	2.5	0.5	0.5	1.7	-0.2	-3355369	1.9	
18	115.3	1434.1	2	0	0.4	1.3	-0.2	-3350000	2.1	
18	115.6	1434	2.2	0.1	0.7	1.6	-0.4	-3382472	2.2	
18	115.9	1434.1	1.8	0.2	0.8	1.7	-0.5	-3438014	2.3	
18	116.2	1434.1	2.2	0	0.9	2.5	-0.7	-3513004	2.4	
18	116.5	1433.9	2.1	-0.4	0.8	2.4	-0.8	-3609914	2.5	
18	116.8	1433.9	1.9	-1.9	0.9	2.3	-0.9	-3725534	2.5	
18	117.1	1434.1	1.6	-1.7	1	2.5	-0.9	-3841744	2.5	
18	117.4	1434.3	1.3	-2	1	2.3	-0.8	-3943032	2.6	
18	117.7	1434.5	1.1	-2.9	1.2	2.2	-0.7	-4018714	2.6	
18	118	1434.4	1.1	-1.8	1.1	2.1	-0.6	-4049807	2.7	
18	118.3	1434.5	0.9	-2.7	0.8	2.2	-0.5	-4041989	2.6	
18	118.6	1434.4	0.7	-3	0.7	1.8	-0.5	-3995706	2.7	
18	118.9	1434.2	0.9	-3	0.5	1.7	-0.5	-3913552	2.6	
18	119.2	1434	0.8	-3.3	0.5	1.5	-0.7	-3793026	2.6	
18	119.5	1434.2	0.5	-3.6	0.5	1.2	-0.7	-3666813	2.5	
18	119.8	1434.2	0.7	-3.4	0.4	1.6	-0.8	-3536740	2.4	
18	120.1	1434	1	-3	0.3	1.4	-1	-3421161	2.3	
18	120.4	1433.9	1.1	-3.4	0.5	1.8	-1.1	-3323413	2.3	
18	120.7	1434.2	0.9	-3.7	0.8	1.8	-1.1	-3246125	2.2	
18	121	1434.3	1.1	-3	1.1	2.3	-1.1	-3196565	2.1	
18	121.3	1434.4	1.6	-2.8	1.4	2.2	-1	-3177163	2	
18	121.6	1434.5	2	-2.9	1.6	2.4	-0.8	-3196565	1.8	
18	121.9	1434.6	2	-3	1.9	2.4	-0.7	-3246125	1.4	
18	122.2	1434.8	1.6	-3.7	2.1	1.6	-0.7	-3323413	0.9	
18	122.5	1434.8	2.6	-2.5	2.2	1.9	-0.7	-3415580	0.6	
18	122.8	1434.6	2.2	-3	2.2	0.9	-0.9	-3524832	0.6	
18	123.1	1434.4	1.6	-3.7	2	0.6	-1.1	-3628683	1	
18	123.4	1434.2	1.1	-3.8	2	0.1	-1.4	-3725534	1.3	
18	123.7	1433.8	1.8	-3	1.8	0.6	-1.7	-3799910	1.6	
18	124	1433.3	2	-3	1.7	0.8	-2.1	-3827697	2.1	
18	124.3	1432.7	1.4	-3.8	1.3	0.7	-2.4	-3813753	2.8	
18	124.6	1432.6	1.1	-4.1	1	1.2	-2.3	-3765738	3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	124.9	1432.6	1.6	-3	1	1.7	-2.3	-3699205	3.5	
18	125.2	1432.7	2.6	-1.5	0.8	3	-2	-3641305	3.6	
18	125.5	1432.8	3.1	-1.4	0.7	3.8	-1.6	-3591338	3.5	
18	125.8	1432.9	3.5	-1.1	0.5	4.5	-1.2	-3560800	3.4	
18	126.1	1433	4.1	0.2	0.4	4.4	-0.8	-3542725	3.1	
18	126.4	1432.9	4.6	1.1	0.2	4.6	-0.4	-3542725	2.8	
18	126.7	1433	5	1.6	0.3	4.9	0	-3554754	2.5	
18	127	1433.1	4.7	1.3	0.3	4.6	0.2	-3579060	2.3	
18	127.3	1433.1	4.1	1.4	0.3	3.8	0.2	-3603701	2.3	
18	127.6	1433.1	4.3	1.8	0.1	3.5	0.2	-3622405	2.3	
18	127.9	1433	4.1	2.1	0.2	3	-0.1	-3628683	2.4	
18	128.2	1433	3.7	1.5	0.2	2.7	-0.2	-3628683	2.7	
18	128.5	1432.9	3.8	2	0.3	2.8	-0.5	-3616149	3.1	
18	128.8	1432.8	3.6	1.4	0.5	2.5	-0.8	-3603701	3.3	
18	129.1	1432.6	3.7	1.6	0.5	2.7	-1.2	-3591338	3.6	
18	129.4	1432.6	3.7	1.8	0.6	3.2	-1.4	-3591338	3.8	
18	129.7	1432.7	3.6	2	0.8	3.6	-1.6	-3603701	3.9	
18	130	1432.8	3.6	2.3	0.9	3.7	-1.6	-3634983	3.9	
18	130.3	1433	3.8	2.7	1.1	4	-1.6	-3686180	3.8	
18	130.6	1433	3.9	2.8	1.1	4.2	-1.6	-3732175	3.6	
18	130.9	1433.2	4.1	3.2	1.1	4.4	-1.4	-3765738	3.4	
18	131.2	1433.3	4.2	3.5	1.2	4.2	-1.2	-3772523	3.2	
18	131.5	1433.6	4.2	3.3	1.3	4.2	-0.8	-3745528	3	
18	131.8	1433.7	3.8	3	1.2	3.6	-0.5	-3686180	2.8	
18	132.1	1434	3.7	3.2	1.1	3.3	-0.1	-3603701	2.7	
18	132.4	1433.9	3.4	2.7	1	2.8	0	-3507119	2.6	
18	132.7	1434	3.1	2.1	0.9	2.2	0.1	-3415580	2.5	
18	133	1434	3	1.9	1	2.3	0	-3344649	2.5	
18	133.3	1434	2.5	1.6	1.1	1.9	-0.1	-3297245	2.6	
18	133.6	1433.9	2.8	1.7	1	2	-0.2	-3292060	2.6	
18	133.9	1433.6	2.4	0.8	1	1.6	-0.5	-3328697	2.7	
18	134.2	1433.4	2.4	0.4	1	2.1	-0.8	-3415580	2.7	
18	134.5	1433.2	2.6	0.6	0.9	2.4	-1.1	-3536740	2.7	
18	134.8	1433	2.9	1.3	0.9	2.8	-1.2	-3666813	2.8	
18	135.1	1433	2.9	0.3	0.8	3	-1.1	-3799910	2.9	
18	135.4	1432.9	2.5	0.3	0.7	2.9	-1	-3898976	3	
18	135.7	1432.9	2.3	0.7	0.5	3	-0.9	-3957940	3.1	
18	136	1432.8	2.6	1.5	0.4	2.9	-0.8	-3965436	3.1	
18	136.3	1432.6	2.7	0.9	0.3	3.2	-0.7	-3920881	3.2	
18	136.6	1432.6	2.2	0.2	0.3	3	-0.6	-3848806	3.2	
18	136.9	1432.7	2	0.6	0.3	2.8	-0.5	-3758977	3.3	
18	137.2	1432.7	2.3	1.2	0.3	2.7	-0.5	-3673246	3.1	
18	137.5	1432.6	2.4	0.8	0.2	2.9	-0.5	-3603701	3	
18	137.8	1432.5	2.2	-0.4	0.2	3.6	-0.6	-3548729	2.9	
18	138.1	1432.6	2.3	-0.8	0.3	3.6	-0.6	-3518908	2.6	
18	138.4	1432.5	2.7	-0.8	0.3	3.8	-0.7	-3495409	2.2	
18	138.7	1432.5	3.1	-1	0.5	3.3	-0.7	-3489584	1.8	
18	139	1432.5	2.5	-2.1	0.7	3.4	-0.7	-3489584	1.4	
18	139.3	1432.5	2.4	-2.6	0.7	2.9	-0.7	-3501255	0.9	
18	139.6	1432.7	2.6	-2.1	0.8	2.5	-0.5	-3518908	0.4	
18	139.9	1432.7	2.1	-2	1	1.8	-0.3	-3542725	0	
18	140.2	1432.8	0.4	-3.9	1.2	0.6	-0.2	-3560800	-0.1	
18	140.5	1432.8	0.4	-3.7	1.4	0.6	-0.4	-3579060	-0.1	
18	140.8	1432.9	-0.4	-4.1	1.6	-0.5	-0.6	-3591338	-0.1	
18	141.1	1432.7	0.5	-3.3	1.5	0.4	-1	-3591338	0.2	
18	141.4	1432.4	-1.1	-4.7	1.4	-0.5	-1.4	-3579060	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	141.7	1432.4	-1.2	-4.9	1.4	0.3	-1.7	-3536740	2.2	
18	142	1432.1	-1.4	-5.1	1.1	1	-2	-3472223	3.2	
18	142.3	1431.5	-1.9	-5.5	0.7	1.3	-2.3	-3382472	4.2	
18	142.6	1431.1	-2.7	-6.3	0.3	2	-2.3	-3292060	5.1	
18	142.9	1431	-2.9	-6.7	0	3	-2.2	-3206356	5.7	
18	143.2	1431.2	-2.8	-6.7	0	3.2	-2	-3139056	5.9	
18	143.5	1431.9	-2.5	-6.6	0.3	3.2	-1.5	-3088127	5.6	
18	143.8	1432.4	-1.6	-5.8	0.5	3.8	-1	-3061039	5	
18	144.1	1433	-0.9	-5.1	0.5	3.8	-0.5	-3056570	4.4	
18	144.4	1433.3	-0.9	-4.7	0.8	3.3	-0.3	-3079045	4	
18	144.7	1433.5	0	-3.7	1.3	3.7	-0.2	-3139056	3.3	
18	145	1433.5	0.5	-2.9	1.5	4.2	-0.3	-3226118	2.6	
18	145.3	1433.5	-0.8	-3.9	1.9	2.5	-0.6	-3333997	2.1	
18	145.6	1433.5	0.1	-2.9	2.1	3.2	-0.8	-3449341	1.8	
18	145.9	1433.5	-0.7	-3.2	2.1	2.2	-1.1	-3566866	1.7	
18	146.2	1433.4	0.3	-2.5	2	2.6	-1.4	-3666813	1.7	
18	146.5	1433.5	0.5	-1.9	1.9	2.5	-1.4	-3752241	1.8	
18	146.8	1433.4	0.9	-1.5	1.5	3.2	-1.3	-3806819	1.9	
18	147.1	1433.3	1	-1.6	1.2	2.9	-1.1	-3827697	2.1	
18	147.4	1433.4	0.5	-2.4	1.1	2.3	-0.9	-3813753	2.2	
18	147.7	1433.4	0.5	-2.4	0.9	3.2	-0.7	-3765738	2.2	
18	148	1433.2	0.3	-2.2	0.6	2.6	-0.6	-3699205	2.3	
18	148.3	1433.2	0.1	-2.2	0.7	2.8	-0.6	-3609914	2.4	
18	148.6	1433.2	0.5	-2.1	0.7	2.7	-0.6	-3530776	2.5	
18	148.9	1433	0.6	-2.1	0.5	2.6	-0.8	-3460744	2.5	
18	149.2	1433.1	0.2	-2	0.8	2.3	-1	-3410017	2.6	
18	149.5	1433	0.3	-1.7	0.9	2.3	-1.1	-3371579	2.6	
18	149.8	1432.9	0.4	-1.9	0.9	2.8	-1.2	-3323413	2.7	
18	150.1	1432.8	-0.2	-2.6	1	2.2	-1.3	-3271485	2.7	
18	150.4	1432.8	-0.1	-2.3	1.1	2.6	-1.3	-3216206	2.7	
18	150.7	1432.7	0	-2.3	1	2.4	-1.4	-3177163	2.7	
18	151	1432.8	0.3	-2.4	1	2.6	-1.4	-3153238	2.8	
18	151.3	1433	0.5	-2.6	1.2	2.6	-1.4	-3148497	2.9	
18	151.6	1433.1	0.1	-2.4	1.4	2.4	-1.5	-3172349	2.9	
18	151.9	1433.1	0.2	-2.2	1.5	2.5	-1.6	-3216206	2.9	
18	152.2	1432.9	0.1	-2.5	1.4	2.4	-1.7	-3297245	3	
18	152.5	1432.8	0	-2.1	1.4	2.7	-1.7	-3432378	3.1	
18	152.8	1432.8	-0.4	-0.8	1.3	2.3	-1.6	-3616149	3.1	
18	153.1	1433	0.6	0.2	1.2	3.3	-1.4	-3848806	3	
18	153.4	1433.2	0.6	1	1.1	3	-1.2	-4129685	3	
18	153.7	1433.3	1.1	0.6	0.8	3.3	-0.8	-4417194	3	
18	154	1433.3	1.1	2.2	0.5	3.1	-0.6	-4694507	2.9	
18	154.3	1433.4	0.9	2.1	0.2	3	-0.3	-4938090	2.9	
18	154.6	1433.4	0.9	2.3	-0.3	2.9	0.2	-5144349	2.8	
18	154.9	1433.5	1	2.9	-0.5	2.9	0.6	-5287248	2.7	
18	155.2	1433.5	1	3.7	-0.9	3.1	1	-5368590	2.6	
18	155.5	1433.6	0.6	3.5	-0.9	1.9	1.1	-5410207	2.5	
18	155.8	1433.7	1	3.8	-0.9	2.5	1.1	-5396263	2.3	
18	156.1	1433.7	1	3.5	-0.6	1.7	0.8	-5354860	2.1	
18	156.4	1433.8	1.8	3.4	-0.2	2.6	0.6	-5327608	2	
18	156.7	1434	1.4	2.3	0.4	2	0.2	-5300633	1.9	
18	157	1434.1	1.5	2.4	1	2.2	-0.2	-5273930	1.9	
18	157.3	1434	1.6	1.6	1.7	2.2	-0.7	-5234375	1.8	
18	157.6	1434	1.3	0.8	2.4	1.9	-1.2	-5221322	1.7	
18	157.9	1433.9	1.7	2.5	3.1	2.4	-1.6	-5247494	1.6	
18	158.2	1433.7	1	0.9	3.4	1.3	-2	-5341199	1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	158.5	1433.6	1.7	2.4	3.4	2.1	-2	-5539021	1.9	
18	158.8	1433.6	1.3	1	3.3	1.4	-1.9	-5815972	2.3	
18	159.1	1433.4	1.7	1.2	2.6	2.1	-1.6	-6212908	2.7	
18	159.4	1433.1	1.4	0.5	2.1	1.8	-1.4	-6732315	3	
18	159.7	1432.6	1.5	0.5	1.5	2	-1.4	-7398410	3.4	
18	160	1432.1	1.1	0.6	0.6	2	-1.3	-8243110	3.8	
18	160.3	1431.3	1.2	0.7	-0.5	2.8	-1.3	-9305556	4.2	
18	160.6	1430.9	1.7	1.4	-1.1	4	-1.2	-1.1E+07	4.4	
18	160.9	1430.7	1.9	1.8	-1.6	4.5	-1.1	-1.2E+07	4.5	
18	161.2	1430.6	2.6	2.1	-1.6	5.1	-1.1	-1.4E+07	4.3	
18	161.5	1430.8	3.3	2.7	-1.3	5.4	-0.9	-1.6E+07	4.1	
18	161.8	1430.7	3.8	3.6	-1.3	5.8	-0.8	-1.9E+07	3.7	
18	162.1	1431	4.2	3.9	-1	6	-0.4		3.3	
18	162.4	1431.6	4.4	4	-0.7	6.4	0.2		3.1	
18	162.7	1432.3	3.4	3.6	-0.1	5.1	0.8		2.8	
18	163	1432.7	3.2	3.3	-0.1	4.6	1.3		2.6	
18	163.3	1433.1	2.1	2.1	0.2	3.1	1.7		2.5	
18	163.6	1433	2.4	2.1	0.2	3.1	1.8		2.5	
18	163.9	1432.7	2.3	1.8	-0.1	2.4	1.8		2.6	
18	164.2	1432.5	1.9	1.8	-0.1	2	1.7		2.7	
18	164.5	1432.2	1.6	1.4	-0.2	1.8	1.4		2.9	
18	164.8	1432.1	1	0.9	-0.1	1.4	0.9		3	
18	165.1	1432	1	1	0	1.9	0.3		3.1	
18	165.4	1432	0.8	1.2	0.3	1.7	-0.3		3.1	
18	165.7	1431.7	1	0.4	0.2	2.5	-0.9		3.1	
18	166	1431.5	1	0.4	0.4	2.3	-1.4		3.1	
18	166.3	1431.2	1.8	0.7	0.5	3.1	-1.6		3	
18	166.6	1431	1.3	0.2	0.3	2.8	-1.6		3	
18	166.9	1431	1.3	0.4	0.3	2.6	-1.5		2.8	
18	167.2	1431	0.9	0	0.3	2.3	-1.4		2.7	
18	167.5	1431.1	1	0	0.2	1.9	-1		2.6	
18	167.8	1431.3	1.3	0.3	0	2	-0.5		2.5	
18	168.1	1431.6	1.1	0.5	0.1	1.3	0.1		2.5	
18	168.4	1432	1.2	0.2	0.2	1.1	0.8		2.4	
18	168.7	1431.9	1.1	0.1	0	0.3	1.2	19208716	2.2	
18	169	1432	1.2	-0.6	-0.3	0.5	1.5	16617064	1.9	
18	169.3	1432.1	1.3	-0.1	-0.6	0.7	1.6	14849291	1.5	
18	169.6	1432.1	1.6	0.1	-1	1.2	1.7	13508065	1.2	
18	169.9	1431.9	2.4	0.8	-1.3	2.4	1.7	12462798	1	
18	170.2	1431.6	2.7	1.4	-1.8	2.1	1.6	11696928	0.7	
18	170.5	1431.1	3.5	1.8	-2.3	3	1.4	11019737	0.4	
18	170.8	1430.6	3.9	2.9	-2.8	2.8	1	10416667	0.2	
18	171.1	1430.2	4.1	2.4	-2.9	3	0.8	9783879	0.2	
18	171.4	1430.6	3.9	2.6	-2.4	3	0.6	9143013	0.2	
18	171.7	1431.2	2.9	1.2	-1.9	2.5	0.6	8616255	0.2	
18	172	1431.8	2.4	1	-1.4	2.7	0.7	8115310	0.9	
18	172.3	1432	1	-0.5	-1.3	1.5	0.6	7754630	1.5	
18	172.6	1432.3	1.4	0.3	-0.8	2.2	0.5	7558664	2.2	
18	172.9	1432.4	0.8	-0.4	-0.3	1.3	0.2	7531475	2.6	
18	173.2	1432.7	1.5	-0.2	0.1	2.1	0.2	7669414	2.9	
18	173.5	1432.7	1.5	-0.4	0.5	1.9	0.2	7930871	3.1	
18	173.8	1432.7	1.1	-1.5	0.5	1.8	0.2	8243110	3.4	
18	174.1	1432.9	-0.1	-3.4	0.3	1.8	0.3	8580943	3.6	
18	174.4	1433	-0.4	-4.2	0.4	2	0.2	8834388	3.8	
18	174.7	1433.4	-0.4	-4.6	0.7	2.9	0.3	8986052	3.8	
18	175	1433.7	0	-4.4	0.5	3.1	0.5	8947650	3.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	175.3	1433.9	0.7	-2.7	0.3	3.7	0.7	8687760	3.4	
18	175.6	1434.1	0.7	-2.5	0.2	2.7	0.8	8308532	3.1	
18	175.9	1433.9	1.3	-0.8	0.2	2.9	0.8	7812500	2.9	
18	176.2	1433.5	1.4	-1	-0.2	3.2	0.8	7269965	2.7	
18	176.5	1433.3	0.6	-1.7	-0.3	3	0.7	6775890	2.5	
18	176.8	1433	0.4	-1.5	-0.5	2.7	0.5	6363982	2.4	
18	177.1	1432.9	0	-1.6	-0.8	2.5	0.4	6051301	2.3	
18	177.4	1433	-0.5	-1.5	-0.5	1.7	0.2	5783840	2.3	
18	177.7	1433.3	-0.1	-1.1	-0.2	2.3	0.2	5568484	2.4	
18	178	1433.5	0.6	-0.2	-0.1	2.6	0.1	5424223	2.6	
18	178.3	1433.2	1.1	0.1	-0.2	2.9	0	5327608	3	
18	178.6	1433.1	0.6	-0.4	-0.1	2.5	-0.1	5273930	3.5	
18	178.9	1433	0.3	-1.5	-0.1	2.7	-0.2	5221322	3.8	
18	179.2	1433.1	0.5	-0.8	0.1	3.4	-0.1	5157020	3.9	
18	179.5	1433.2	0	-1.3	0.1	2.7	0	5057367	4	
18	179.8	1432.9	0.3	-0.6	-0.1	3.4	-0.1	4961493	4.1	
18	180.1	1432.7	-0.7	-1.7	-0.3	1.7	-0.2	4869186	3.9	
18	180.4	1432.8	0.4	-0.9	-0.2	2.2	-0.2	4791190	3.6	
18	180.7	1433	1.1	0	0.1	2.1	-0.1	4726298	3.3	
18	181	1433.1	1.8	0.6	0.1	2.9	0.2	4663141	3.1	
18	181.3	1433.3	2.1	1	0.4	3.1	0.4	4611784	2.8	
18	181.6	1433.2	1.7	0.5	0.3	2	0.5	4561547	2.6	
18	181.9	1433.3	2.6	1.3	0.3	2.8	0.7	4531927	2.5	
18	182.2	1433.2	2.5	0.9	0.4	2.2	0.8	4522139	2.5	
18	182.5	1433.1	3.1	0.7	0.3	3.3	0.9	4502689	2.6	
18	182.8	1433	2.9	0.2	0.2	2.5	0.9	4473825	2.7	
18	183.1	1432.7	3.5	0	-0.2	3.1	0.8	4417194	2.9	
18	183.4	1432.5	3.4	-0.5	-0.6	2.9	0.8	4361980	3	
18	183.7	1432	3.4	-0.7	-1.5	3	0.8	4334886	3	
18	184	1431.7	4.2	0.3	-1.9	4	0.8	4334886	2.7	
18	184.3	1431.5	4.7	1.8	-2.5	4.1	1	4389413	2.4	
18	184.6	1431.2	5.3	2.9	-2.7	4.2	1	4493026	2.1	
18	184.9	1431	5.6	4.6	-2.7	3.8	1	4663141	1.9	
18	185.2	1431	5.8	4.4	-2.5	3.6	1	4891940	1.6	
18	185.5	1431.2	5.5	4.7	-1.9	3.2	0.8	5157020	1.3	
18	185.8	1431.5	5.2	3.7	-1.5	2.8	0.7	5452474	1.2	
18	186.1	1432	4.7	3.2	-0.7	2.2	0.6	5736302	1.3	
18	186.4	1432.3	4.1	3	-0.1	1.2	0.5	5965100	1.3	
18	186.7	1432.7	3.5	3.6	0.3	0.7	0.4	6086483	1.3	
18	187	1432.6	4	4.4	0.5	1	0.2	6033862	1.3	
18	187.3	1432.3	4.4	4.8	0.3	1.3	0.2	5914548	1.3	
18	187.6	1432.1	4.7	4.7	-0.2	1.7	0.4	5752061	1.5	
18	187.9	1431.9	3.6	2.9	-0.8	1	0.5	5613271	1.7	
18	188.2	1432	3.9	3.2	-1.3	1.4	0.8	5481021	1.7	
18	188.5	1432.2	4.2	2.9	-1.7	2	1.2	5368590	1.9	
18	188.8	1432.2	4.2	2.8	-2.4	2.2	1.6	5287248	2.1	
18	189.1	1432.4	3.5	2.9	-2.8	1.8	2	5234375	2.3	
18	189.4	1432.6	3.2	2.8	-2.7	1.5	2.4	5234375	2.6	
18	189.7	1432.6	3.3	3.3	-2.7	1.8	2.5	5273930	2.8	
18	190	1432.8	3.2	3.7	-2.2	1.6	2.5	5327608	3	
18	190.3	1433.1	3	3.1	-1.6	2.2	2.3	5368590	3.1	
18	190.6	1433.4	3.1	2.5	-1	2.1	2	5410207	3.1	
18	190.9	1433.5	3.5	2.4	-0.8	2.5	1.6	5466710	3.1	
18	191.2	1433.6	4	3.4	-0.3	3	1.3	5568484	3.1	
18	191.5	1433.6	4.4	4.1	-0.3	3.6	1.1	5720629	3	
18	191.8	1433.3	4.5	4	-0.4	4	0.9	5897888	3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	192.1	1433.2	4.3	4.3	-0.2	3.8	0.8	6122076	2.8	
18	192.4	1433	4.4	4.1	-0.4	4.3	0.8	6383384	2.5	
18	192.7	1432.9	4.1	4.8	-0.6	3.4	0.8	6667994	2.3	
18	193	1432.8	4.2	3.8	-0.7	3.9	0.8	6979167	2	
18	193.3	1433.1	4.1	3	-0.4	3.8	0.8	7219828	1.8	
18	193.6	1433.1	4	2.2	-0.2	3.3	0.5	7424646	1.4	
18	193.9	1433.2	4.1	2	0	2.4	0.2	7558664	1.1	
18	194.2	1432.9	3.8	2.1	0.3	1.9	-0.3	7641424	0.6	
18	194.5	1432.6	3.3	0.7	0.5	1.6	-0.9	7697610	0.3	
18	194.8	1432.4	2	-0.5	0.8	0.1	-1.4	7754630	0.1	
18	195.1	1432.2	3	-0.1	0.8	1.9	-1.6	7754630	0.1	
18	195.4	1432	1.5	-1.4	0.5	0.2	-1.5	7783457	0.3	
18	195.7	1431.9	0.7	-2.8	0.1	0.2	-1.4	7812500	0.9	
18	196	1432.1	0.2	-3.2	0	0	-1.1	7871241	1.3	
18	196.3	1432.4	1.1	-2.3	-0.3	1.8	-0.6	7991412	2	
18	196.6	1432.5	0.5	-3.7	-0.7	1.9	0	8146887	2.8	
18	196.9	1432.8	-0.4	-5.1	-1.1	1.7	0.8	8308532	3.5	
18	197.2	1433.1	-0.5	-5.8	-1.1	2.2	1.1	8408635	3.8	
18	197.5	1433.2	-1.7	-7.3	-1.1	0.7	1.2	8545919	4	
18	197.8	1433.2	-0.9	-6.7	-1.1	2.2	1.1	8760460	4	
18	198.1	1433.3	-1.4	-6.9	-1	2.1	1	9024785	4.1	
18	198.4	1433.3	-1	-6.2	-1	2.7	0.8	9473982	4.1	
18	198.7	1433.4	-1.6	-6.3	-0.9	1.6	0.5	10163835	4.2	
18	199	1433.4	-1	-5.1	-0.7	2.3	0.2	11256721	4.1	
18	199.3	1433.7	-0.4	-3.9	-0.2	3	-0.1	12924383	4	
18	199.6	1433.9	0.1	-3.9	0.2	3.1	-0.3	15625000	3.9	
18	199.9	1434	0.3	-4.1	0.7	3.7	-0.5		3.8	
18	200.2	1434.4	0.3	-4.4	1.5	3.2	-0.5		3.8	
18	200.5	1434.6	0.6	-3	1.9	3.6	-0.5		3.8	
18	200.8	1435	0.6	-3.3	2.4	3	-0.5		3.8	
18	201.1	1435.1	0.9	-3.3	2.6	3.4	-0.5		3.8	
18	201.4	1435.2	1.1	-3.1	2.7	3.2	-0.6		3.7	
18	201.7	1435.2	1.6	-1.9	2.4	2.9	-0.6		3.5	
18	202	1434.9	2.3	-0.9	1.8	3.3	-0.6		3.4	
18	202.3	1434.3	2.4	-0.9	1	2.8	-0.6		3.2	
18	202.6	1433.7	2.8	-0.4	-0.1	2.8	-0.5		3	
18	202.9	1433.1	3.1	0.1	-0.8	2.6	-0.5	-2E+07	2.7	
18	203.2	1432.8	3.8	0.7	-1.5	2.9	-0.2	-1.6E+07	2.4	
18	203.5	1432.6	4.2	0.7	-1.9	2.9	0	-1.4E+07	2.2	
18	203.8	1432.8	4.3	0.3	-1.8	2.5	0.3	-1.2E+07	1.9	
18	204.1	1433	4.8	0.4	-1.8	2.3	0.5	-1E+07	1.6	
18	204.4	1433.5	4.8	0.3	-1.5	1.7	0.8	-8947650	1.4	
18	204.7	1433.9	5.3	1	-0.8	1.2	0.8	-8115310	1.3	
18	205	1434.2	5.6	1.2	-0.3	1.5	1	-7504480	1.3	
18	205.3	1434.2	5.9	1.8	0.1	1.1	0.9	-7002509	1.3	
18	205.6	1434.1	6	1.8	0.5	0.9	0.7	-6604890	1.3	
18	205.9	1433.9	6.2	2.1	0.6	0.8	0.5	-6287538	1.3	
18	206.2	1433.4	6.4	2.4	0.3	0.5	0.2	-5999284	1.3	
18	206.5	1433.3	6.6	2.5	0.3	0.6	0	-5752061	1.4	
18	206.8	1433.4	6.8	3	0.1	-0.1	-0.1	-5509869	1.4	
18	207.1	1433.4	8.5	5.2	-0.4	1.5	-0.1	-5260679	1.4	
18	207.4	1433.4	8	6	-0.6	0.1	-0.2	-5045181	1.5	
18	207.7	1433.2	9.1	6.1	-0.9	1.2	-0.2	-4857889	1.6	
18	208	1433	9	7.5	-1	0.1	-0.2	-4673549	1.7	
18	208.3	1432.9	9.1	8.4	-0.7	0.4	-0.3	-4464286	1.9	
18	208.6	1432.9	10.1	9.9	-0.3	1.4	-0.3	-4255590	2.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	208.9	1433	9.9	8.8	0.2	0.9	-0.4	-4049807	2.4	
18	209.2	1433.4	11.9	11.4	0.8	3.1	-0.4	-3855894	2.7	
18	209.5	1433.9	11.5	11.9	1.2	1	-0.4	-3679702	2.9	
18	209.8	1434.1	13.3	13.8	1.3	3.2	-0.5	-3513004	3.1	
18	210.1	1434.4	13.2	14.9	1.5	2.2	-0.5	-3377017	3.2	
18	210.4	1434.2	15.2	16.1	1.2	4.2	-0.5	-3261293	3.4	
18	210.7	1433.9	15	16.4	0.8	4.8	-0.5	-3172349	3.6	
18	211	1433.6	15.5	16.5	0.5	3.2	-0.5	-3106455	3.7	
18	211.3	1433.1	16.2	17.8	0.1	5.1	-0.6	-3061039	3.8	
18	211.6	1432.7	16.2	17.2	-0.1	2.5	-0.7	-3030029	3.7	
18	211.9	1432.8	18.2	18.6	0.1	5.3	-0.8	-3003946	3.6	
18	212.2	1433.2	18.4	18.3	0.5	3.9	-0.8	-2974077	3.4	
18	212.5	1433.5	19.2	18.9	0.7	3.3	-0.9	-2940661	3.1	
18	212.8	1433.9	19.8	19.5	1.5	3.9	-1.1	-2891920	2.8	
18	213.1	1434.4	18.5	17.9	2.4	-0.1	-1.4	-2833221	2.6	
18	213.4	1434.4	21.8	21.2	2.8	3.2	-1.7	-2754935	2.5	
18	213.7	1434.2	19.9	19	3.4	0.5	-2.2	-2667198	2.4	
18	214	1433.7	22.9	21.8	3.2	2.4	-2.5	-2575339	2.4	
18	214.3	1433.2	21.5	19.9	3.1	0.8	-3	-2483690	2.6	
18	214.6	1432.9	22.5	20.2	2.8	0.8	-3.3	-2392858	2.7	
18	214.9	1432.9	24.8	22.4	2.7	2.8	-3.5	-2310983	3	
18	215.2	1432.9	22.2	19.4	2.5	-0.7	-3.6	-2232144	2.8	
18	215.5	1432.9	27.4	24.3	1.8	4.6	-3.3	-2160733	2.3	
18	215.8	1432.9	26.8	23	1.6	2	-3	-2100051	1.6	
18	216.1	1432.9	27.4	23.2	1.3	1.6	-2.7	-2044678	0.7	
18	216.4	1433.2	29.5	25.2	1.3	1.7	-2.1	-1994048	0.2	
18	216.7	1433.3	28.3	23.5	1.1	0.4	-1.6	-1944058	-0.1	
18	217	1433.7	30.5	25.7	1.1	1.7	-1	-1891374	-0.3	
18	217.3	1434	30.7	25.4	1	0.6	-0.6	-1836624	-0.3	
18	217.6	1434.2	31.6	26	0.8	2.4	-0.4	-1781916	-0.2	
18	217.9	1434.3	31.6	25.7	1.1	0.1	-0.6	-1727517	0	
18	218.2	1434.2	30.9	24.9	1.3	-0.5	-1.1	-1675001	0.1	
18	218.5	1434.3	33.1	26.9	1.5	2.4	-1.5	-1626846	1	
18	218.8	1434.2	33.1	26.7	1.7	2.5	-2	-1582578	2.1	
18	219.1	1434.3	34.1	27.5	2.2	4.9	-2.4	-1544064	2.8	
18	219.4	1434.3	34.5	27.7	2.4	4.4	-2.7	-1510643	3.3	
18	219.7	1434.3	34.8	26.3	2.7	5	-3	-1482827	3.7	
18	220	1434.6	35.8	27.8	2.7	5.8	-2.9	-1460078	4	
18	220.3	1434.8	35.6	26.5	2.8	5.8	-2.7	-1440985	4.2	
18	220.6	1435.2	36.1	27.1	2.8	6.6	-2.3	-1424321	4.3	
18	220.9	1435.6	36	26.9	2.7	5.4	-1.9	-1408985	4.4	
18	221.2	1435.8	36	25.9	2.5	5.1	-1.5	-1392122	4.5	
18	221.5	1435.7	35.8	25.9	2.1	4.6	-1.3	-1374755	4.5	
18	221.8	1435.5	36.2	24.3	1.7	4.9	-1.2	-1356936	4.4	
18	222.1	1435.3	36.3	24.8	1.6	4.4	-1.3	-1339573	4.3	
18	222.4	1435.3	36.4	23.1	1.6	3.9	-1.4	-1322648	4.1	
18	222.7	1435.1	36.4	23.2	1.7	3.9	-1.7	-1306146	4	
18	223	1435.1	36.7	21.5	1.9	3.8	-2	-1292439	3.8	
18	223.3	1435.3	36.9	21.9	2.2	3.7	-2.3	-1282151	3.6	
18	223.6	1435.4	37.7	22.2	2.5	4	-2.5	-1277457	3.5	
18	223.9	1435.5	37.3	21.1	2.7	3.9	-2.5	-1280582	3.4	
18	224.2	1435.6	37	20.8	2.9	3.4	-2.5	-1289256	3.3	
18	224.5	1435.7	37.7	19.5	2.9	3.9	-2.4	-1302895	3.3	
18	224.8	1435.7	37.4	19	2.7	3	-2.3	-1320146	3.3	
18	225.1	1435.5	37.3	18.1	2.6	3	-2.2	-1339573	3.2	
18	225.4	1435.2	37.3	17.5	2.3	2.8	-2.2	-1358697	3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	225.7	1435.2	37.5	19	2.1	2.9	-2.1	-1372052	3.2	
18	226	1435.1	38.5	16.7	2	3.3	-2.2	-1376563	3.2	
18	226.3	1434.9	37.9	18	1.9	2.8	-2.4	-1372052	3.2	
18	226.6	1435	37.5	14.6	2.2	2.8	-2.7	-1356057	3.2	
18	226.9	1435	37.9	16.4	2.5	2.8	-3.1	-1332751	3.1	
18	227.2	1435.2	38.9	16.4	2.8	3.9	-3.4	-1302895	3	
18	227.5	1435.1	38.7	13.9	3.1	3.5	-3.7	-1270481	3	
18	227.8	1435.1	38.7	16.5	3.5	3.6	-3.9	-1238907	2.9	
18	228.1	1435.1	38.7	11.3	3.6	3.5	-4	-1212364	2.8	
18	228.4	1435.2	39.1	12.3	3.7	3.6	-4	-1194382	2.7	
18	228.7	1435.2	39.3	11.9	3.7	3.9	-3.9	-1183580	2.6	
18	229	1435.4	38.8	9.3	3.8	3.3	-3.7	-1179579	2.5	
18	229.3	1435.5	38.6	10.3	3.7	2.8	-3.4	-1180909	2.4	
18	229.6	1435.8	38.6	8.1	3.5	2	-3	-1186262	2.1	
18	229.9	1435.9	39.2	8.5	3.3	1.8	-2.7	-1194382	1.8	
18	230.2	1435.9	38.7	7.1	3.1	0.8	-2.4	-1201924	1.5	
18	230.5	1435.9	38.6	7	2.8	0.6	-2.2	-1208166	1.4	
18	230.8	1436	37.9	7	2.8	-0.3	-2.1	-1210961	1.3	
18	231.1	1435.8	38	4.9	2.6	-0.6	-2.3	-1210261	1.2	
18	231.4	1435.6	38.5	5.4	2.3	0.2	-2.5	-1207470	1.3	
18	231.7	1435.4	38.6	4.5	2.2	0.5	-2.7	-1203998	1.4	
18	232	1435.4	38.6	4.1	2.1	0.4	-2.8	-1201235	1.5	
18	232.3	1435.5	39.8	5	2.3	1.3	-2.8	-1199858	1.5	
18	232.6	1435.3	40.2	4.4	2.3	2.2	-2.9	-1199858	1.7	
18	232.9	1435.4	40.1	4.5	2.4	2.7	-2.8	-1201235	1.9	
18	233.2	1435.4	39.8	3.7	2.6	3.5	-2.7	-1203998	2.3	
18	233.5	1435.8	40.3	4.3	3	4.6	-2.3	-1208166	2.3	
18	233.8	1436.1	40.5	4.5	3	4.7	-1.8	-1212364	2.1	
18	234.1	1436.4	40.5	4.7	3.1	4.3	-1.4	-1215884	1.8	
18	234.4	1436.3	40.9	4.7	3	4.4	-1.3	-1218715	1.6	
18	234.7	1436.1	40.7	4.4	2.7	4	-1.2	-1219425	1.6	
18	235	1436	40.7	4.3	2.7	4.4	-1.2	-1219425	1.6	
18	235.3	1435.6	40.1	3.7	2.5	4.4	-1.4	-1219425	1.7	
18	235.6	1435	39.3	2.6	2.2	4.7	-1.8	-1220847	2.1	
18	235.9	1434.5	38	1.1	2	4.4	-2.5	-1222986	2.6	
18	236.2	1434.2	37.3	-0.4	2	4.7	-3.2	-1227287	3.2	
18	236.5	1434	37.4	0.1	2.1	5.8	-3.9	-1234524	3.6	
18	236.8	1433.9	37.6	0.6	2.4	6.3	-4.3	-1246281	4	
18	237.1	1433.8	36.9	-0.8	2.6	6.3	-4.6	-1264343	4.3	
18	237.4	1433.7	35.7	-1.7	2.7	5.4	-4.7	-1289256	4.6	
18	237.7	1433.6	34.6	-2.7	2.9	5.2	-4.6	-1319314	4.6	
18	238	1433.8	33.6	-3.7	3.3	5.1	-4.3	-1354303	4.6	
18	238.3	1434.2	32.2	-5.3	3.4	5.1	-3.7	-1392122	4.4	
18	238.6	1434.6	31	-7.5	3.3	4.5	-3.1	-1431136	4.3	
18	238.9	1435.1	29.9	-8	3.3	3.3	-2.6	-1469299	3.9	
18	239.2	1435.3	29.7	-7.8	3	2.8	-2.2	-1504132	3.5	
18	239.5	1435.4	29.1	-8.8	2.7	2.2	-1.9	-1533884	3.2	
18	239.8	1435.3	29.2	-9.7	2.6	2.5	-1.8	-1555536	2.8	
18	240.1	1434.9	27.8	-10.9	2.3	1.8	-1.8	-1570706	2.7	
18	240.4	1434.6	26.9	-11.8	2	1.6	-1.8	-1582578	2.6	
18	240.7	1434.4	25.1	-13.6	1.9	0.7	-1.9	-1593418	2.6	
18	241	1434.5	24.3	-14.8	2	0.7	-2	-1606870	2.6	
18	241.3	1434.8	23.7	-15.6	2.2	1.2	-1.9	-1630647	2.7	
18	241.6	1435.1	23.2	-15.6	2.3	0.9	-1.8	-1663027	2.7	
18	241.9	1435.4	23.4	-15.2	2.4	2.2	-1.6	-1706399	2.8	
18	242.2	1435.4	23.3	-15.3	2.3	1.9	-1.5	-1760934	2.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	242.5	1435.3	22.8	-16.4	2.4	1.8	-1.4	-1823825	2.8	
18	242.8	1434.9	22.2	-16.5	2.2	1.8	-1.5	-1898233	2.9	
18	243.1	1434.6	21.7	-16.9	2.2	2.4	-1.6	-1977102	2.8	
18	243.4	1434.4	21.3	-16.6	2	3	-1.7	-2058752	2.8	
18	243.7	1434	20.5	-17.5	1.6	2.7	-1.9	-2132129	2.8	
18	244	1433.8	20.3	-18.2	1.4	3	-2	-2194707	2.8	
18	244.3	1433.8	18.8	-19.8	1.3	1.5	-2.1	-2244106	2.7	
18	244.6	1433.8	19.3	-19.3	1.5	2.6	-2.3	-2285754	2.5	
18	244.9	1433.8	19.8	-20	1.4	3	-2.3	-2321231	2.3	
18	245.2	1433.7	19.6	-20.6	1.5	3.8	-2.2	-2349888	2.2	
18	245.5	1433.6	19	-21.1	1.4	3.6	-2	-2381969	2.1	
18	245.8	1433.7	18	-21.8	1.5	2.9	-1.8	-2426130	2	
18	246.1	1433.8	17.6	-22.7	1.7	3.2	-1.6	-2492560	1.9	
18	246.4	1433.7	17.1	-23.4	1.6	2.7	-1.4	-2588072	1.6	
18	246.7	1433.8	16.6	-23.9	1.6	3	-1.1	-2719156	1.4	
18	247	1433.9	15.1	-25.8	1.3	1.5	-0.7	-2887932	1.3	
18	247.3	1434.1	15.3	-25.4	1.2	1.6	-0.2	-3101852	1.1	
18	247.6	1433.9	13.8	-26.9	1	0.5	0	-3360755	1	
18	247.9	1433.8	13.4	-26.7	0.8	0.5	0.2	-3666813	0.9	
18	248.2	1433.6	13	-26.3	0.5	0.4	0.2	-4011016	0.6	
18	248.5	1433.4	12.2	-25.8	0.3	-0.2	0.1	-4371086	0.2	
18	248.8	1433.1	11.7	-25.6	0.3	-0.5	-0.1	-4726298	0.1	
18	249.1	1432.8	11.2	-26.2	0.1	-0.4	-0.4	-5081918	0.1	
18	249.4	1432.7	10.4	-27.2	0.2	-0.1	-0.7	-5410207	0.1	
18	249.7	1432.5	9.9	-27	0.2	-0.4	-1.1	-5720629	0.3	
18	250	1432.1	9	-26.7	0.1	0.6	-1.4	-6016523	1.1	
18	250.3	1432.1	8.5	-26.1	0.1	1	-1.4	-6344697	1.8	
18	250.6	1432.1	8.4	-25.2	0.1	2.1	-1.3	-6710737	2.7	
18	250.9	1432.2	7.6	-24.6	0	2.6	-1	-7170377	3.5	
18	251.2	1432.2	7.5	-23.5	-0.4	3.5	-0.4	-7754630	4	
18	251.5	1432.3	6.8	-23.1	-0.6	3.8	0	-8408635	4.4	
18	251.8	1432.5	6.1	-23.6	-0.8	4.1	0.5	-9143013	4.5	
18	252.1	1432.7	5.8	-23.3	-1	4.3	1	-9922986	4.5	
18	252.4	1432.8	5.2	-24	-0.8	4.2	1.3	-1.1E+07	4.3	
18	252.7	1433	5.2	-22.6	-0.9	4.4	1.6	-1.2E+07	4	
18	253	1433	5	-21.9	-0.8	4	1.6	-1.3E+07	3.5	
18	253.3	1432.9	4.8	-20.3	-0.9	4.1	1.5	-1.5E+07	3.3	
18	253.6	1432.9	4.2	-20.1	-0.6	3.3	1.2	-1.8E+07	3	
18	253.9	1433	3.6	-20.1	-0.5	3	1		2.8	
18	254.2	1432.8	2.5	-20.7	-0.6	2.2	0.7		2.7	
18	254.5	1432.8	2.1	-21.3	-0.5	1.8	0.4		2.7	
18	254.8	1432.6	1.6	-21.7	-0.7	1.8	0.2		2.8	
18	255.1	1432.4	1.1	-21.7	-0.7	1.3	-0.1		2.8	
18	255.4	1432.3	0.6	-21.6	-0.8	1.6	-0.2		3	
18	255.7	1432.3	0.4	-21.3	-0.8	1.3	-0.2	18528761	3	
18	256	1432.4	0.3	-21	-0.7	1.6	-0.2	14052014	3.1	
18	256.3	1432.6	0	-20.5	-0.5	1.4	-0.1	11379076	3.1	
18	256.6	1432.9	0	-20.3	-0.2	2.1	0	9738372	3.1	
18	256.9	1433.2	0.2	-18.6	0	2.5	0.2	8687760	3.1	
18	257.2	1433.4	0.1	-19.2	0.2	2.6	0.4	8052885	3.1	
18	257.5	1433.5	0.1	-19.7	0.5	2.8	0.5	7754630	3.2	
18	257.8	1433.7	-1.1	-20.7	0.7	2	0.6	7586051	3.2	
18	258.1	1433.7	-0.7	-19.7	0.7	2.7	0.6	7531475	3.1	
18	258.4	1433.7	-0.7	-18.7	0.6	2.6	0.6	7504480	3	
18	258.7	1433.5	-0.3	-17.9	0.2	3.3	0.5	7504480	2.9	
18	259	1433.5	-0.5	-17.6	0.1	3.1	0.5	7477679	2.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	259.3	1433.2	-0.5	-17.1	-0.1	3	0.3	7372359	2.6	
18	259.6	1432.9	-0.5	-15.6	-0.5	2.8	0.2	7145905	2.5	
18	259.9	1432.5	-0.2	-15.5	-0.7	3	0	6754032	2.3	
18	260.2	1432.5	-0.5	-14.3	-0.8	3.1	0	6268713	2.3	
18	260.5	1432.5	-1	-14.4	-0.9	2.7	0	5832173	2.3	
18	260.8	1432.7	-0.8	-13.8	-0.9	2.8	0.1	5466710	2.3	
18	261.1	1432.9	-1.5	-13.7	-0.7	1.6	0.2	5157020	2.5	
18	261.4	1432.9	-1.5	-13.2	-0.7	2.1	0.2	4938090	2.8	
18	261.7	1432.9	-2	-13.2	-0.7	1.6	0.2	4791190	3	
18	262	1432.9	-1.8	-12.2	-0.5	2.2	0.2	4694507	3.2	
18	262.3	1432.9	-1.8	-11.7	-0.3	2	0.2	4652778	3.4	
18	262.6	1432.9	-1.5	-10.5	-0.4	2.7	0.3	4621965	3.5	
18	262.9	1433.1	-2.1	-10.6	-0.2	2.2	0.3	4611784	3.6	
18	263.2	1433.3	-1.8	-10.2	-0.3	2.3	0.4	4591557	3.5	
18	263.5	1433.4	-1	-8.6	-0.4	3.3	0.5	4541757	3.3	
18	263.8	1433.4	-1	-8.5	-0.4	3.1	0.5	4454788	3.1	
18	264.1	1433.5	-0.7	-7.5	-0.5	3.8	0.8	4352911	2.9	
18	264.4	1433.5	-1.1	-7.2	-0.5	3	1	4221271	2.4	
18	264.7	1433.5	-0.5	-6.3	-0.7	3.2	1.2	4073444	1.9	
18	265	1433.5	-0.9	-6.1	-0.7	1.8	1.4	3928237	1.4	
18	265.3	1433.6	-0.4	-5.6	-0.8	2.1	1.6	3772523	1	
18	265.6	1433.7	-0.5	-5.5	-0.7	1.7	1.7	3622405	0.4	
18	265.9	1433.6	-0.4	-5.2	-0.8	1	1.8	3477990	0.1	
18	266.2	1433.6	-0.6	-4.8	-0.7	0.4	1.9	3339315	-0.1	
18	266.5	1433.4	-1.1	-4.7	-0.7	0	1.7	3216206	-0.2	
18	266.8	1433.2	-1.6	-4.1	-0.7	-1	1.5	3101852	-0.2	
18	267.1	1433	-1.7	-3.8	-0.7	-1.2	1.2	3003946	-0.1	
18	267.4	1432.7	-1.2	-2.8	-0.9	-0.4	0.8	2916087	0	
18	267.7	1432.4	-0.9	-2	-1.4	-0.1	0.6	2833221	0.1	
18	268	1432.1	-1.7	-2.3	-1.4	0	0.4	2758564	0.7	
18	268.3	1431.9	-1.6	-2	-1.3	0.7	0.3	2687741	1	
18	268.6	1431.5	-1.2	-1.5	-1.5	2.4	0.1	2623747	1.5	
18	268.9	1431.3	-1.8	-1.8	-1.3	2.9	0	2556472	1.8	
18	269.2	1431.2	-0.5	-0.5	-1.3	5.4	0	2492560	1.9	
18	269.5	1431.6	-0.7	-0.9	-1.1	5.2	0.2	2426130	2	
18	269.8	1432.1	-0.6	-0.7	-1	5.6	0.6	2355175	2	
18	270.1	1432.7	-1	-1.1	-0.8	5.3	1	2280774	1.8	
18	270.4	1432.6	-1.4	-0.3	-0.9	5.4	1.1	2208598	1.4	
18	270.7	1432.3	-2.2	-1.5	-0.9	4.6	1.1	2140849	1.3	
18	271	1432.1	-3.7	-3	-1.3	3.4	1.3	2077134	1.2	
18	271.3	1431.9	-4.6	-4.3	-1.5	3	1.4	2015160	1.4	
18	271.6	1431.8	-6.4	-5.9	-1.5	1.3	1.3	1958607	1.6	
18	271.9	1432	-6.1	-5.6	-1.6	2.2	1.4	1905142	2	
18	272.2	1432.3	-7.3	-6.8	-1.6	1.9	1.4	1854518	2.5	
18	272.5	1432.6	-8	-7.8	-1.9	2.9	1.6	1806515	3.2	
18	272.8	1432.6	-9	-8.5	-2	2.6	1.7	1765389	4	
18	273.1	1432.4	-9.5	-8.5	-2.2	3.5	1.8	1727517	4.5	
18	273.4	1432.7	-10.6	-9.8	-2	3.7	2	1692604	5	
18	273.7	1432.7	-10.5	-9	-1.9	4.8	2.1	1660390	5.3	
18	274	1432.8	-11.7	-10.2	-1.9	5.2	2.1	1629378	5.4	
18	274.3	1432.8	-11.9	-9.9	-2	4.7	2.2	1603179	5.4	
18	274.6	1433	-12.8	-11	-2	5.2	2.2	1578998	5.2	
18	274.9	1433	-14.3	-12.5	-2	4.1	2.1	1554381	4.8	
18	275.2	1433.2	-13.8	-12.3	-1.9	5.4	2.1	1530520	4.5	
18	275.5	1433.3	-14.7	-12.6	-1.7	4.2	2.1	1508466	4.1	
18	275.8	1433.3	-15	-13.2	-1.9	4.3	2.2	1485984	3.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	276.1	1433.2	-15.4	-14.4	-2	3.6	2.3	1465187	2.8	
18	276.4	1433.3	-16.6	-15.6	-1.8	2.6	2.3	1445961	1.7	
18	276.7	1433.3	-16.3	-15.6	-1.9	2.4	2.4	1425290	0.8	
18	277	1433.2	-18.4	-17.3	-2	-0.1	2.4	1403319	0.2	
18	277.3	1433.2	-19.2	-18.7	-2	0.5	2.5	1381103	-0.2	
18	277.6	1433.3	-20.4	-19.5	-2.1	-0.9	2.6	1356936	-0.7	
18	277.9	1433.4	-20.2	-19.8	-2.1	-0.3	2.6	1333600	-1.6	
18	278.2	1433.4	-20.9	-20.4	-2	-2.7	2.6	1311053	-2.3	
18	278.5	1433	-22	-21.6	-2.2	-2.8	2.5	1289256	-2.4	
18	278.8	1432.9	-23.2	-22.6	-2.5	-2.5	2.6	1267404	-2.3	
18	279.1	1432.9	-23.9	-22.8	-2.4	-3.1	2.6	1246281	-2.3	
18	279.4	1432.6	-23.5	-21.9	-2.5	-1.7	2.6	1225850	-2	
18	279.7	1432.4	-25.4	-23.7	-2.8	-2.5	2.8	1206774	-1.6	
18	280	1432.3	-26.7	-25.5	-3.2	-1.6	2.9	1188956	-0.8	
18	280.3	1432.4	-28.2	-27.3	-3.2	-3.1	3	1172314	-0.5	
18	280.6	1432.3	-26	-24.3	-3.5	-0.1	3	1154855	-0.2	
18	280.9	1432.2	-27.9	-26.3	-3.6	-1.3	3.1	1135441	0.5	
18	281.2	1432.2	-29.5	-28.3	-3.7	-0.8	3.3	1114884	1.7	
18	281.5	1432.1	-29.9	-28.1	-3.8	0.3	3.2	1093343	2.4	
18	281.8	1431.9	-29.2	-28.7	-4.1	1.3	3.2	1071521	3	
18	282.1	1431.7	-29.8	-29.1	-4.2	2.2	3.2	1051081	3.8	
18	282.4	1431.8	-31.5	-30.9	-4.2	2.6	3.2	1031914	4.7	
18	282.7	1431.9	-31.1	-30.1	-4	4.5	3	1015892	5.1	
18	283	1432.2	-31.3	-29.9	-3.8	3.9	2.9	1002275	5.3	
18	283.3	1432.3	-30.2	-28	-3.6	6	2.9	990891	5.3	
18	283.6	1432.3	-30.7	-27	-3.6	6.3	2.9	982522	5	
18	283.9	1432.5	-31.6	-27	-3.3	5.7	2.9	975654	4.6	
18	284.2	1432.9	-31.6	-25.2	-2.8	5.2	2.9	969779	4.1	
18	284.5	1433	-31.1	-25	-2.7	5.4	3	965308	3.5	
18	284.8	1433.3	-32	-24.7	-2.7	5.3	3.3	961761	3	
18	285.1	1433.5	-32.8	-24.8	-2.8	4	3.5	958240	2.6	
18	285.4	1433.8	-33.7	-24.7	-2.7	2.8	3.6	955180	2.3	
18	285.7	1433.9	-33.8	-24.3	-2.8	2.4	3.8	952572	2.1	
18	286	1433.8	-34.6	-24	-2.9	1.5	3.8	949979	2	
18	286.3	1433.6	-35.5	-25	-3.2	1.5	3.8	947829	2	
18	286.6	1433.6	-36.2	-24.5	-3.3	0.7	3.8	944835	1.9	
18	286.9	1433.7	-36.2	-24.3	-3.3	0.5	3.8	941436	1.9	
18	287.2	1433.6	-37.2	-24.4	-3.4	0	3.6	937222	1.9	
18	287.5	1433.7	-37.3	-23	-3.3	-0.2	3.5	932630	1.7	
18	287.8	1433.6	-37.2	-23.4	-3.5	0.9	3.3	927260	1.6	
18	288.1	1433.6	-38.1	-23.4	-3.4	-0.6	3.1	921547	1.5	
18	288.4	1433.5	-37.5	-22.5	-3.4	-0.3	3	915502	1.3	
18	288.7	1433.5	-38.4	-23	-3.3	-0.3	2.9	909142	1.3	
18	289	1433.4	-38.3	-21.7	-3.4	-0.3	2.8	903649	1.2	
18	289.3	1433.4	-38.5	-22.2	-3.6	-0.7	2.8	898221	1.1	
18	289.6	1433.5	-38.5	-20.1	-3.6	-0.6	2.9	893621	1.1	
18	289.9	1433.5	-37.9	-18.7	-4	-0.2	3.2	890580	1.3	
18	290.2	1433.7	-39.4	-19	-4	-1.5	3.5	888313	1.5	
18	290.5	1433.8	-38.3	-18.1	-4.1	0.5	3.8	886808	1.7	
18	290.8	1433.9	-37.2	-16.3	-4.4	1.3	4.2	885308	1.9	
18	291.1	1434.1	-38.2	-16.2	-4.5	1.5	4.7	884187	2.5	
18	291.4	1434.5	-37.3	-14.1	-4.4	2.9	5.1	883814	3.1	
18	291.7	1434.6	-37.3	-13.4	-4.5	3.3	5.2	883814	3.3	
18	292	1434.8	-36.5	-13	-4.3	4.3	5.2	883068	3.3	
18	292.3	1434.8	-35.5	-10.1	-4.2	5.1	5.1	881581	2.9	
18	292.6	1434.8	-35.6	-8.9	-4.1	4.8	4.8	879359	2.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	292.9	1434.7	-36.1	-7.9	-4	4	4.5	876415	2.3	
18	293.2	1434.7	-35.7	-9.7	-3.7	3.7	4.2	872761	1.9	
18	293.5	1434.4	-36	-8.1	-3.8	3.4	3.8	868417	1.7	
18	293.8	1434.2	-35.9	-6.4	-3.9	3.1	3.6	863048	1.6	
18	294.1	1434.3	-36	-6.1	-3.9	3	3.4	857393	1.7	
18	294.4	1434.4	-36.4	-7.2	-3.8	2.5	3.2	851466	1.9	
18	294.7	1434.4	-37.4	-7.6	-3.6	1.8	3	846646	2.3	
18	295	1434.5	-36.2	-4.7	-3.4	2.8	2.9	844256	2.6	
18	295.3	1434.5	-37.3	-6.2	-3.3	2.2	2.8	843576	2.9	
18	295.6	1434.5	-37.8	-6.5	-3.2	2	2.7	844596	3.1	
18	295.9	1434.6	-37.3	-7.1	-3.1	2.5	2.8	847331	3	
18	296.2	1434.6	-37.4	-6.7	-3	1.8	2.8	851120	2.9	
18	296.5	1435	-37.3	-5.7	-2.8	2	3	855292	2.8	
18	296.8	1435.2	-37.6	-6	-2.7	0.6	3.2	859858	2.3	
18	297.1	1435.2	-38.3	-7.2	-2.9	1	3.4	864830	1.7	
18	297.4	1435.1	-37.2	-5.2	-3	-0.6	3.6	869138	1.1	
18	297.7	1435.3	-37	-4.2	-3	0.1	3.9	872034	0.4	
18	298	1435.2	-37.8	-4.1	-3.2	-1.3	4	873125	0.1	
18	298.3	1435.3	-37.5	-3.7	-3.3	-1.3	4.1	872761	-0.1	
18	298.6	1435.3	-36.8	-2.2	-3.4	-1.1	4.1	872398	-0.1	
18	298.9	1435.2	-37	-1.5	-3.6	-1.4	4	872398	-0.1	
18	299.2	1434.9	-35.3	0.9	-3.8	-0.4	4	873125	0	
18	299.5	1434.9	-37.7	-1.5	-3.7	-2.6	3.8	874584	0	
18	299.8	1434.6	-34.8	2.4	-3.6	-0.1	3.6	875681	0.1	
18	300.1	1434.4	-36.1	1.2	-3.7	-1.4	3.5	877516	0.3	
18	300.4	1434.3	-35.1	2.1	-3.5	0.4	3.4	880469	0.9	
18	300.7	1434.4	-35.2	2.9	-3.6	0.8	3.4	884187	1.4	
18	301	1434.6	-34.2	3.3	-3.5	1.4	3.4	888690	1.7	
18	301.3	1434.6	-34.1	4.3	-3.7	1.4	3.4	893621	1.9	
18	301.6	1434.2	-32.3	6	-3.9	1.9	3.2	898607	1.9	
18	301.9	1434.3	-31.9	6.6	-4.1	3.4	3.4	902480	2	
18	302.2	1434.2	-32	6.5	-4.3	1.9	3.6	905995	1.9	
18	302.5	1433.9	-31.7	6.2	-4.5	2.3	3.8	909537	1.9	
18	302.8	1433.7	-31.4	8	-4.5	1.9	3.8	912709	2	
18	303.1	1433.9	-31.6	6.7	-4.3	1.8	3.9	915903	2.3	
18	303.4	1434.1	-31	6.2	-4.2	1.3	4.1	919927	2.7	
18	303.7	1434.5	-30.3	7.9	-3.9	1.6	4.4	924803	3	
18	304	1434.9	-29.3	8	-3.3	1.8	4.5	931385	3.3	
18	304.3	1435.1	-28.8	8.5	-3.2	1.6	4.6	939746	3.6	
18	304.6	1435.1	-29.1	7.4	-2.8	1.6	4.4	949979	3.9	
18	304.9	1434.8	-28	7.5	-2.6	2.7	4	961319	4.1	
18	305.2	1434.5	-27.4	8.2	-2.7	2.8	3.7	973386	4.2	
18	305.5	1434.2	-26.9	9.2	-3	3	3.3	985296	4	
18	305.8	1433.8	-24.9	10.8	-3.3	4.1	3	996077	3.5	
18	306.1	1433.3	-23.6	12.4	-3.6	3.9	2.7	1007581	3.1	
18	306.4	1433.2	-23.3	12.6	-3.7	2.9	2.6	1019354	2.6	
18	306.7	1433.1	-21.7	14.3	-3.7	3.3	2.5	1031914	1.9	
18	307	1432.9	-21.6	14.8	-3.6	2.2	2.4	1045831	1.1	
18	307.3	1433	-21.6	15.8	-3.5	0.5	2.4	1061741	0.5	
18	307.6	1433.3	-20.6	15.6	-3.4	0.7	2.7	1080926	0.2	
18	307.9	1433.8	-20.1	17.2	-3.3	0.2	3	1103718	0.1	
18	308.2	1434.2	-20.1	17.7	-3.1	-1.3	3.2	1131147	0.1	
18	308.5	1434	-18.6	18.7	-3.1	-1.1	3.1	1163196	0.1	
18	308.8	1433.7	-17.9	19.5	-3.3	-0.9	2.9	1194382	0.3	
18	309.1	1433.4	-17.5	19.8	-3.4	-0.8	2.6	1225850	1.3	
18	309.4	1433.1	-16.4	21.2	-3.4	0.6	2.4	1258264	1.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	309.7	1433.4	-15.2	23.1	-3.4	2.2	2.6	1290051	2.2	
18	310	1433.6	-14.7	22.5	-3.5	2.2	2.7	1320146	2.3	
18	310.3	1434.1	-13.6	23.4	-3.4	2.3	2.7	1350808	2.2	
18	310.6	1434.4	-12.5	25.3	-3.3	2.6	2.8	1382014	1.9	
18	310.9	1434.7	-11.2	26.3	-3.1	3.1	3	1414697	1.6	
18	311.2	1435	-10.2	26.6	-2.9	2.9	3.4	1452985	1.2	
18	311.5	1435.2	-9	28	-2.9	3	3.8	1496606	0.6	
18	311.8	1435.4	-8.5	26.8	-2.9	2.2	4.2	1541790	0.2	
18	312.1	1435.5	-8.9	28.8	-3	0.8	4.3	1590996	0	
18	312.4	1435.6	-8.5	26.3	-2.8	0.7	4.2	1647326	-0.1	
18	312.7	1435.7	-7.2	28.9	-2.8	1.3	4	1709185	-0.1	
18	313	1435.7	-6.4	28.7	-2.8	1.2	3.7	1774365	-0.1	
18	313.3	1435.6	-6.7	28.5	-2.5	0.1	3.2	1841470	-0.1	
18	313.6	1435.4	-5.8	28.4	-2.2	0.7	2.6	1910357	0	
18	313.9	1435.2	-5.2	28.9	-2	0.6	2	1986481	0	
18	314.2	1435.1	-4.6	27.7	-1.6	0	1.4	2064843	0	
18	314.5	1434.9	-4.1	27.8	-1.2	0.3	0.8	2151851	0	
18	314.8	1434.8	-3.9	28.1	-1	0.5	0.4	2234526	0.1	
18	315.1	1435	-3.6	28.1	-0.7	0	0.2	2313537	0.1	
18	315.4	1435.1	-2.8	28.6	-0.7	0	0.2	2381969	0.1	
18	315.7	1435.2	-2.7	28.9	-0.9	0.1	0.4	2443116	0.1	
18	316	1435	-2.8	28.2	-1.1	-0.5	0.4	2501494	0.2	
18	316.3	1435.1	-2.6	27.7	-1.5	-1.3	0.4	2565871	0.1	
18	316.6	1435.1	-0.8	28.5	-1.8	0.5	0.5	2633648	0.1	
18	316.9	1435.1	0	28.8	-1.7	1	0.5	2701613	0.1	
18	317.2	1435.3	-0.1	29	-1.2	0.9	0.4	2758564	0.1	
18	317.5	1435.4	0.3	28.3	-0.9	1.4	0.1	2810403	0	
18	317.8	1435.6	1	28.4	-0.2	1.6	-0.1	2872086	0	
18	318.1	1435.7	1.3	28.2	0.7	2.2	-0.6	2940661	0	
18	318.4	1436	1.7	26.6	1.6	2.8	-1	3008262	0	
18	318.7	1437.2	2.8	26.4	2.5	5.1	-0.6	3043242	0	
18	319	1437.6	2.3	25.6	2.6	2.4	-0.5	3047672	0.1	
18	319.3	1437.6	2.3	24	2.5	1.2	-0.4	3043242	0	
18	319.6	1437.5	2.1	23.7	2	-0.4	-0.3	3043242	0	
18	319.9	1437.5	1.5	23.1	1.8	-0.5	-0.1	3070015	0.1	
18	320.2	1436.7	1.5	22.1	0.7	-1.1	-0.1	3120343	0.1	
18	320.5	1436	0.9	21	-0.1	-1.8	-0.1	3196565	0.1	
18	320.8	1435.7	0.5	20.6	-0.5	-2.2	-0.1	3297245	0.1	
18	321.1	1435.4	-2	16.6	-1	-5.1	-0.5	3438014	0.2	
18	321.4	1435.9	0.7	18.6	-0.4	-1.5	-0.8	3647649	0.1	
18	321.7	1435.9	2.2	19.7	-0.1	-0.1	-0.9	3928237	0.1	
18	322	1436.3	5	21.4	0.4	2.8	-0.8	4281698	0.1	
18	322.3	1436.2	3.8	19	0.5	2.9	-0.9	4611784	1.3	aparato de via
18	322.6	1436.6	4.4	19.1	1.4	4.2	-0.8	4891940	1.5	
18	322.9	1436.6	4.2	17.8	1.6	4.4	-0.7	5131741	1.9	
18	323.2	1436.6	3.8	16.3	1.4	4.4	-0.4	5314087	2.2	
18	323.5	1436.7	3.8	15	1	6	0	5410207	2.6	
18	323.8	1436.6	2.4	12.6	0.4	3.8	0.2	5438312	3	
18	324.1	1436.2	2.5	11.5	-0.6	3.8	0.5	5396263	3.8	
18	324.4	1436	2.4	10.9	-1.2	2.2	0.5	5314087	3.8	
18	324.7	1435.7	2.8	11.7	-1.9	3.9	0.8	5234375	4.4	
18	325	1435.4	2	10.5	-2.6	3.2	0.8	5157020	4.4	
18	325.3	1435.5	2.6	9.8	-2.8	3.9	1.1	5094283	4.6	
18	325.6	1435.5	2.8	9.2	-2.5	4.1	1.1	5069613	4.5	
18	325.9	1435.9	2.8	9.5	-1.8	4	1	5119193	4.6	
18	326.2	1436.2	2.6	8.4	-1.2	4.2	0.6	5221322	4.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	326.5	1436.7	2.8	8	-0.5	3.8	0.5	5368590	3.7	
18	326.8	1437	2.9	7.5	0	4	0.5	5628360	3	
18	327.1	1437.4	2.8	6.9	0.3	2.6	0.8	5948154	2.6	
18	327.4	1437.8	2.1	6	0.9	2.7	1	6402905	2.1	
18	327.7	1437.8	2.4	6	1	1.9	1.1	7073480	1.7	
18	328	1437.1	2.5	5.3	0.3	1.5	1.3	8083977	1	
18	328.3	1436.7	3	5.7	-0.4	1.4	1.6	9517046	0.6	
18	328.6	1437	2.7	5.5	-0.8	0.5	2.3	11441257	0.1	
18	328.9	1437.1	2.8	5.4	-1.3	2.6	2.8	14539931	0.1	
18	329.2	1437.1	1.5	2.3	-1.5	1	2.7	19208716	0.1	
18	329.5	1436.8	2.9	2.9	-1.9	1.6	2.4		0.2	
18	329.8	1436.4	1.1	1.2	-2.4	-0.7	2		1.9	
18	330.1	1436	1.8	1.5	-2.6	1.3	1.6		2.5	
18	330.4	1435.5	1.3	0.3	-2.4	2.7	1.1		3.8	
18	330.7	1435.2	1.5	0.2	-2.1	3.2	0.8		4.4	
18	331	1434.8	2	0.3	-2.2	3.8	0.4		4.6	
18	331.3	1434.6	-2.1	-4.9	-1.9	2.2	-0.1		7.2	
18	331.6	1434.8	-1.7	-4	-1.4	4.1	-0.3	15625000	8.1	
18	331.9	1435.3	0.2	-2.1	-0.8	5.8	-0.2	11964286	8.3	
18	332.2	1435.7	5.3	3.2	-0.9	10.5	0.8	9693287	6.7	
18	332.5	1436.1	3.6	2.1	-1	7.7	1.6	8146887	5.6	
18	332.8	1436.4	2.3	0.8	-0.6	6.1	2	7097458	5.2	
18	333.1	1436.4	2.4	1.5	-0.5	5.2	2.3	6344697	4.8	
18	333.4	1436.2	2.9	2.4	-0.6	4.9	2.5	5848464	4.5	
18	333.7	1436.1	3	5	-0.5	6.2	2.4	5509869	3.9	
18	334	1436	3.1	2.4	-5.6	5.2	2.3	5260679	3.3	
18	334.3	1435.8	2.5	0.3	-8.6	2.9	2	5106708	3	
18	334.6	1435.2	1.9	-3.1	-1.7	0.5	1.4	5008972	2.7	
18	334.9	1435.1	1.2	-2.6	-1.3	1	1	4985119	2.5	
18	335.2	1434.5	1.6	-2.8	-1.7	1	0.7	5008972	2.4	
18	335.5	1434	2.4	-1.8	-1.8	1.5	0.4	5094283	2.4	
18	335.8	1433.7	2.9	-0.9	-1.7	1.8	0	5208334	2.5	
18	336.1	1433.8	3.5	-0.3	-1.3	2	-0.4	5382391	2.6	
18	337	1435.3	2.8	0.4	0.5	0.8	-1.5	6033862	3.3	
18	337.3	1434.7	1.8	-1	0.4	0.2	-2.1	6422546	3.3	
18	337.6	1434.5	3.6	1.6	1.4	2	-3	6910066	3.3	
18	337.9	1434.4	4.2	1.6	2.1	2.2	-3.8	7451068	3.3	
18	338.2	1434.6	4.3	1.5	2.8	1.7	-4.5	8146887	3.2	
18	338.5	1435	5.1	2.3	3.2	1	-4.7	8834388	2.8	
18	338.8	1435.7	6.2	3.6	-1.1	0.9	-4.5	9560502	2.3	
18	339.1	1436.7	7.9	5.1	-3.4	0.7	-4	10263481	0.9	
18	339.4	1437.5	8.6	5.7	4.3	0.4	-3.6	10628173	-0.3	
18	339.7	1437.6	8.6	5.8	4.3	0.4	-2.9	10628173	-0.7	
18	340	1437.7	8.1	6	3.4	-0.4	-1.6	10314040	-0.4	
18	340.3	1438.2	8.1	5.7	2.7	-0.5	-0.3	9829812	-0.4	
18	340.6	1438.9	8.7	6.2	2.4	-0.8	0.9	9264381	-0.6	
18	340.9	1439.1	10.3	7.3	1.3	1.4	2	8909575	-0.6	
18	341.2	1438.9	10.9	8.2	0.2	0.8	2.6	8871822	-0.4	
18	341.5	1438.7	11.4	8.6	-0.8	2	3	8909575	-0.2	
18	341.8	1438.3	13.1	11.6	-1.6	3.6	3.2	9223568	0	
18	342.1	1437.7	13.2	10.3	-2.4	5.6	3.3	9829812	0.9	
18	342.4	1437.3	12.7	11.6	-2.4	5.7	3.2	11196524	1.4	
18	342.7	1437.1	12.3	10.5	-2.4	6.7	3	13684641	1.7	
18	343	1436.6	13.5	12.2	-2.7	8.4	2.8	17743644	2.6	
18	343.3	1436.6	11.5	10	-2.3	6.6	2.4		3.1	
18	343.6	1436.5	13.1	11.1	-1.9	8.6	2.2		3.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	343.9	1436.3	10.5	12.6	-1.6	7.1	2		4.1	
18	344.2	1436	10.4	12.1	-1.3	6.8	1.7		4.2	
18	344.5	1435.9	8.4	8.2	-0.6	5.1	1.3		4.1	
18	344.8	1435.4	8.6	3.3	-0.5	5.6	1		4	
18	345.1	1434.9	6.5	2.9	-0.5	4.4	0.6		3.8	
18	345.4	1434.2	6.6	4.3	-0.9	3.3	0.4		3.4	
18	345.7	1433.9	5.8	3.4	-0.8	3.7	0.2		3.2	
18	346	1433.4	4.8	1.9	-1	1.5	-0.3		3	
18	346.3	1433.1	3.7	0.7	-1	2.4	-0.6		3.8	
18	346.6	1432.8	2.5	-0.6	-0.8	1.8	-0.9		4	
18	346.9	1432.6	1.6	-0.9	-0.7	2.2	-1.1		4.7	
18	347.2	1432.4	1.2	-0.7	-0.5	1.7	-1.3	19386574	5	
18	347.5	1432.4	-0.5	-1.7	-0.3	2.7	-1.3	16230620	6.4	
18	347.8	1432.7	-0.2	-1.8	0	3.2	-1.1	13335987	6.1	
18	348.1	1432.4	-0.9	-3.3	-0.2	2.1	-1.1	10962042	6.5	
18	348.4	1432.8	-0.6	-3.5	-0.2	3.8	-0.4	9103261	6	
18	348.7	1433.1	-0.3	-3.8	-0.2	2.6	0.5	7754630	5.3	
18	349	1433	-1	-5.2	-0.8	2.2	1.3	6820033	4.4	
18	349.3	1432.9	-0.3	-5.2	-1.3	3.4	2	6158088	3.7	
18	349.6	1433	0.4	-2.4	-1.4	2.1	2.4	5598262	2.7	
18	349.9	1433.1	-0.1	-1.9	-1.5	2.5	2.6	5157020	2.4	
18	350.2	1433.4	-1.1	-4.7	-1.4	0.3	2.6	4869186	1.8	
18	350.5	1433.5	1.3	-2.9	-1.1	3.2	2.4	4684005	1.3	
18	350.8	1433.4	-1.7	-6	-0.9	-0.2	1.7	4571507	1	
18	351.1	1432.6	1.2	-3.9	-0.8	2.6	0.5	4551631	0.9	
18	351.4	1432.2	0	-6.2	-0.6	2.4	-0.2	4561547	1.6	
18	351.7	1431.8	-1.6	-9.5	-0.2	1.5	-1.1	4601649	1.9	
18	352	1431.5	0.8	-7.8	-0.2	4	-1.6	4673549	2	
18	352.3	1431.6	0.1	-8.5	0	3.1	-1.8	4780251	2.2	
18	352.6	1431.6	1	-7.1	-0.3	5.8	-1.8	4903396	2.3	
18	352.9	1431.9	-0.3	-8.4	-0.2	2.3	-1.5	5045181	2.6	
18	353.2	1432.3	-0.3	-9	-0.4	4.1	-0.9	5195410	2.6	
18	353.5	1432.7	-0.8	-11.1	-0.5	2.2	-0.2	5341199	2.9	
18	353.8	1433	-0.7	-11.6	-0.7	2.9	0.5	5509869	2.9	
18	354.1	1433.3	-2	-13.4	-0.8	2.5	1	5736302	3.6	
18	354.4	1433.6	-2.9	-16	-0.6	0.4	1.2	6033862	3.7	
18	354.7	1433.8	-1.5	-14.7	-0.6	2.9	1.4	6363982	4.1	
18	355	1434	-3.8	-16.5	-0.3	-0.8	1.4	6732315	4.1	
18	355.3	1433.8	-1.2	-13.5	-0.4	2.9	1.3	7121599	4.2	
18	355.6	1433.9	-1.9	-15.4	-0.2	1.8	1.2	7531475	4.2	
18	355.9	1434.1	-1.3	-12.8	0.1	3.4	1.1	7961027	4.1	
18	356.2	1434.1	-1.5	-14.6	0.3	2.7	0.8	8243110	4	
18	356.5	1434.4	-0.2	-10.7	0.6	3.8	0.6	8341634	3.8	
18	356.8	1434.5	0.1	-10.3	0.7	4.1	0.5	8178711	4	
18	357.1	1434.5	-0.7	-9.1	0.9	2.3	0.2	7812500	3.8	
18	357.4	1434.2	1.2	-7.4	0.7	5.2	0	7320804	3.7	
18	357.7	1433.9	0.4	-6.1	0.8	2.1	-0.2	6797890	3.2	
18	358	1433.4	1.3	-5.3	0.8	4.4	-0.4	6287538	3.6	
18	358.3	1433.2	-0.5	-6.3	0.9	1.3	-0.6	5799862	3.6	
18	358.6	1433.1	0.4	-4.4	1.3	2.3	-0.7	5466710	3.2	
18	358.9	1433	1.5	-2.2	1.5	2.2	-0.8	5300633	2.9	
18	359.2	1433	2.8	0.3	1.4	3.2	-0.7	5287248	2.5	
18	359.5	1433	3.1	1.5	1.2	3.2	-0.2	5410207	2.5	
18	359.8	1433	3.1	1.9	0.9	1.6	0.3	5643531	2	
18	360.1	1432.7	4.2	4.7	0	2.9	0.8	5999284	1.9	
18	360.4	1432.2	3	3.2	-1	0.4	1.4	6502329	1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	360.7	1431.6	4.8	5.7	-2.3	3.2	2	7145905	1.4	
18	361	1431	4	4.6	-3.2	1.7	2.2	7726015	1.2	
18	361.3	1430.2	4.6	4.9	-4.3	2.2	2.5	7930871	1.2	
18	361.6	1430	4	5	-4.6	0.9	2.6	7871241	0.9	
18	361.9	1429.5	5.5	5.8	-4.9	2.2	2.5	7477679	0.8	
18	362.2	1429.4	5.8	5.4	-4.8	3	2.3	6932947	1.1	
18	362.5	1429.8	5.9	6	-4.2	2.1	2.1	6344697	0.5	
18	362.8	1430.1	6.9	8	-3.5	3.6	1.8	5736302	0.3	
18	363.1	1430.6	6.5	5.2	-2.5	2.1	1.6	5247494	0.1	
18	363.4	1430.9	6.7	8.4	-1.8	3.2	1.3	4914906	0.4	
18	363.7	1431	5.7	4.5	-1	2.1	1	4715653	0.7	
18	364	1431	5.2	5.2	-0.7	2.5	0.5	4621965	1.2	
18	364.3	1430.8	5	6.6	-0.2	2	-0.1	4611784	1.9	
18	364.6	1430.9	4.8	4	0	2.6	-0.5	4621965	2.7	
18	364.9	1431.2	4.4	4.3	0.3	3.1	-0.8	4684005	3.5	
18	365.2	1431.4	4.2	3.2	0.6	3.4	-1.1	4780251	4.3	
18	365.5	1431.5	4.2	4.5	0.4	4.7	-1.2	4903396	5.2	
18	365.8	1431.8	3.8	4.1	0.7	4.8	-1.3	5020984	6.1	
18	366.1	1431.9	4	4.8	0.7	7	-1.2	5094283	7.2	
18	366.4	1432.3	3.8	4.5	0.7	7.4	-0.9	5119193	7.5	
18	366.7	1432.8	4.3	6.3	0.9	8.4	-0.4	5106708	7.5	
18	367	1433.3	4	6.9	0.9	8.2	0.1	5094283	7.5	
18	367.3	1433.5	3.7	5.2	0.7	8.1	0.5	5045181	7.4	
18	367.6	1433.6	3.3	7.1	0.6	7.9	0.9	4949764	7.2	
18	367.9	1433.9	2.9	4.1	0.6	7.2	1.4	4802179	6.7	
18	368.2	1434	3.4	5.3	0.4	7	1.7	4652778	6.1	
18	368.5	1433.9	2.6	3.9	0.2	6.1	1.8	4502689	5.6	
18	368.8	1434	2.5	4	0	5.8	1.7	4352911	5	
18	369.1	1433.9	1.8	2	-0.2	4.5	1.4	4195892	4.5	
18	369.4	1433.7	1.7	1.6	-0.5	3.6	1.1	4049807	4	
18	369.7	1433.4	1.6	2.3	-0.8	3.3	0.8	3950472	3.6	
18	370	1432.9	1	-0.2	-0.9	2.5	0.4	3891729	3.4	
18	370.3	1432.3	0.6	0.2	-1.4	2	-0.1	3870148	3.3	
18	370.6	1431.9	1.3	0	-1.5	2.8	-0.5	3898976	2.8	
18	370.9	1432	0.2	0.7	-1.4	1.5	-0.5	3988096	2.8	
18	371.2	1432.3	-0.3	-0.7	-1.3	0.3	-0.2	4097359	3.1	
18	371.5	1432.6	-0.7	-2.2	-1	0.4	0	4246958	3.4	
18	371.8	1432.9	0.3	-2.5	-0.8	1.8	0.3	4426533	3.5	
18	372.1	1433.2	0.1	-3	-0.7	1.4	0.6	4621965	3.6	
18	372.4	1433.3	0.6	-2.5	-0.5	2.2	1	4824309	3.5	
18	372.7	1433.7	1	-3.2	-0.2	2.4	1.7	5033053	3.4	
18	373	1433.7	-0.8	-3.8	-0.1	0.2	1.9	5221322	3.1	
18	373.3	1433.8	0.3	-4.5	0.1	1	1.8	5382391	2.8	
18	373.6	1433.6	2.5	-1.5	-0.3	3.1	1.6	5539021	2.4	
18	373.9	1433.4	2.8	-1.8	-0.6	3.6	1.4	5643531	2.3	
18	374.2	1433.2	2.2	-1.8	-0.7	1.8	1.1	5658784	2	
18	374.5	1433.1	3.1	-2.4	-1.1	3.5	1.1	5583334	2	
18	374.8	1432.6	2.7	-3.1	-1.5	2.3	0.8	5438312	1.9	
18	375.1	1432	3.3	-2.6	-2.1	3.9	0.5	5260679	2.2	
18	375.4	1431.9	3	-3.9	-2	3.7	0.2	5057367	1.9	
18	375.7	1431.9	3.9	-2.6	-2.1	4.5	0.2	4846644	1.5	
18	376	1432.2	3.9	-2.8	-1.8	2.1	0.5	4652778	1.2	
18	376.3	1432.6	3.6	-2.1	-1.4	1	0.6	4493026	0.6	
18	376.6	1432.7	4.6	-0.6	-1.5	2.2	0.7	4371086	0.3	
18	376.9	1433.1	3.1	-1.9	-1	0.2	0.6	4308128	0.2	
18	377.2	1433.2	4	-0.8	-0.9	2.3	0.6	4281698	0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	377.5	1433.5	2.2	-2.2	-0.5	0.3	0.8	4299282	1.4	
18	377.8	1433.6	3.2	-1	-0.6	2.4	1.1	4343880	2.2	
18	378.1	1433.7	1.6	-2.6	-0.3	0.6	1	4445329	2.5	
18	378.4	1433.5	3.5	-0.3	-0.4	3.3	0.9	4561547	2.9	
18	378.7	1433.5	3.7	-0.3	-0.4	4.7	0.9	4715653	3.5	
18	379	1433.7	3.3	-0.5	-0.3	5.1	1	4880536	3.8	
18	379.3	1434	3.2	-1.1	-0.1	5	1.1	5020984	3.9	
18	379.6	1434.3	2.6	-1.4	0.2	5.1	1.1	5157020	3.8	
18	379.9	1434.3	3.3	-0.4	0.1	6	1.1	5260679	3.6	
18	380.2	1434.3	3	-0.3	0.1	4.9	1.1	5354860	3.2	
18	380.5	1434.2	3	0.1	0	5.4	1	5438312	2.7	
18	380.8	1433.8	2.3	-1.1	-0.1	3.6	0.8	5466710	2.2	
18	381.1	1433.4	1.4	-1.2	-0.5	3.1	0.8	5466710	1.9	
18	381.4	1433.3	-0.5	-3	-0.7	0.1	0.7	5452474	1.5	
18	381.7	1432.9	1	-0.8	-1.1	1.9	0.6	5410207	1.3	
18	382	1432.8	-1.4	-3.1	-1.1	-0.2	0.5	5341199	1.3	
18	382.3	1432.8	-0.4	-2	-1	0.8	0.4	5273930	1.2	
18	382.6	1432.7	-0.7	-1.7	-1.1	0.7	0.3	5260679	1.7	
18	382.9	1432.7	-1.1	-1.7	-1	0.6	0.3	5341199	2	
18	383.2	1432.8	-1.6	-2.9	-0.9	0.9	0.4	5452474	2.6	
18	383.5	1432.7	-3.3	-3.5	-0.5	-0.1	0.2	5598262	2.8	
18	383.8	1432.8	-1.6	-1.3	-0.5	2.5	0.3	5783840	2.9	
18	384.1	1432.7	-2.3	-1.6	-0.5	1.1	0.4	6033862	3.1	
18	384.4	1432.5	-2.5	-2.8	-0.6	2.6	0.4	6268713	3.3	
18	384.7	1432.6	-3.3	-3.4	-0.5	1	0.5	6462192	3.4	
18	385	1432.6	-2.4	-3	-0.5	3.1	0.5		3.4	
18	385.3	1432.6	-2.4	-3.4	-0.5	2	0.5		3.3	
18	385.6	1432.7	-2.1	-1.3	-0.6	3.1	0.6		3.2	
18	385.9	1432.6	-2.3	-2.6	-0.5	2.7	0.5		3.1	
18	386.2	1432.7	-1.9	-4.4	-0.5	3	0.4		2.9	
18	386.5	1432.7	-1.6	-4.4	-0.4	3.2	0.4		2.9	
18	386.8	1432.6	-2.1	-4.3	-0.3	1.9	0.3		2.6	
18	387.1	1432.4	-1.4	-4.5	-0.5	3.9	0.4		2.7	
18	387.4	1432.5	-3.5	-6.2	-0.3	1.1	0.3		2.5	
18	387.7	1432.5	-1	-4.3	-0.4	4.9	0.4		2.3	
18	388	1432.6	-2.4	-5.4	-0.1	1.2	0.3		1.9	
18	388.3	1432.5	-0.5	-4.4	-0.5	3.6	0.5		2	
18	388.6	1432.7	-2.5	-6.4	-0.2	0.7	0.3		1.5	
18	388.9	1432.6	-1.4	-5	-0.3	1.8	0.2		1.4	
18	389.2	1432.7	-0.3	-4.9	-0.2	3.2	0.2		1.3	
18	389.5	1432.5	-1.9	-5	-0.1	1.6	0		1.4	
18	389.8	1432.5	-1.8	-5.8	-0.2	2.6	0		1.3	
18	390.1	1432.3	-4.9	-7.1	-0.2	-1.6	-0.3		1.7	
18	390.4	1432.2	-1.3	-4.5	-0.3	3	-0.7		1.9	
18	390.7	1432.3	-1.9	-3.5	-0.2	2.2	-0.7		3.1	
18	391	1432.5	-1.4	-4.9	0	4	-0.5		3.6	
18	391.3	1432.7	-2	-5.7	0	3.2	-0.1		4.1	
18	391.6	1432.8	-2.4	-5.7	0	3	0.3		4.7	
18	391.9	1432.8	-2.8	-6	-0.3	4.2	0.8		5.6	
18	392.2	1433	-2.8	-5.4	-0.4	4.6	1.1		6.1	
18	392.5	1433.2	-2.2	-5.5			1.1		6.4	
18	392.8	1433.7	-2.4	-5.4			1.1		6.3	
18	393.1	1434	-1.5	-4.5			1.1		5.6	
18	393.4	1433.4	-1.2	-3.5			0.8		4.8	
18	393.7	1432.9	-0.8	-2.2			0.4		3.8	
18	394	1432.3	-1	-0.5			-0.1		3.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	394.3	1432.1	-0.9	-1.9			-0.2		2.3	
18	394.6	1432.1	-0.9	0.5			0.1		1.4	

Perfil	STE Metro CDMX
Lugar Inicial	18km 540.0m
PK Final	18km 790.2m
Sentido De Avance	Incremento
Referencias Trabajo	VIA 1
ID Ruta/Liena	Cul Atlalilco
ID Vía	Via Principal
Hora Inicial	18:54:59 09-dic.-21
Hora Final	18:59:45 09-dic.-21
Versión Software	TOP01S020r0010(74)
Unid. Desplazamiento	Milímetros
Unidad Longitud	Milímetros
Unidad de ángulo	Grados
ID Perfil	L12
Signo del Peralte	Sentido horario
Intervalo adquisición	300.0mm (300.0mm)
Nivel. I superpuesto 1	12600.0mm
Nivel. I superpuesto 2	19000.0mm
Base Radio Derecho	20.0m (20.1m)
Base Radio Curv.Prom D	20.0m
Base Áng.Curv. Prom. D	20.0m
Áng.Curv.Cuerda Der	20.0m
Nivel. D superpuesto 1	20.0m
Nivel. D superpuesto 2	20.0m
Temp. Sistema Inicial	20.8°C
Temp. Sistema final	21.1°C
Ancho Referencia	1435.0mm
Ancho Refcia. Peralte	1500.0mm
Long. Cuerda Delantera	2500.0mm (2400.0mm)
Long. cuerda trasera	2500.0mm (2400.0mm)
Temperatura Nivelación	20.8°C

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	540.3	1435.5	-2.2				0.9		-9.6	
18	540.6	1435.6	-0.2				0.6		-9.8	
18	540.9	1435.6	-1.6				0.5		-9.4	
18	541.2	1435.6	-0.7				0.4		-9.3	
18	541.5	1435.6	-0.6				0.4		-9.1	
18	541.8	1435.8	-0.7				0.5		-8.8	
18	542.1	1436	-0.1				0.6		-8.6	
18	542.4	1436.1	0				0.7		-8.4	
18	542.7	1436.2	0.2		-0.5	-6.5	0.9		-8.4	
18	543	1436.4	-0.1		-0.6	-7.6	1.1		-8.3	
18	543.3	1436.4	-0.1		-0.7	-6.7	1.3		-8.3	
18	543.6	1436.6	-0.3		-0.8	-7.5	1.6		-8.4	
18	543.9	1436.3	-0.4		-0.9	-8	1.6		-8.6	
18	544.2	1436.2	-0.6		-1.3	-8.3	1.7		-8.9	
18	544.5	1436.4	-0.9		-1.2	-9.4	1.9		-9.1	
18	544.8	1436.4	-0.8		-1.1	-9.6	1.9		-9.4	
18	545.1	1436.1	-1.2		-1.1	-10.2	1.7		-9.6	
18	545.4	1436.1	-1.4		-1	-10.4	1.6		-9.8	
18	545.7	1436	-1.8		-0.9	-11.2	1.3		-10	
18	546	1436	-1.6		-0.7	-11.5	1		-10.2	
18	546.3	1435.7	-1.5		-0.6	-11	0.6		-10	
18	546.6	1435.7	-1.7		-0.3	-11.2	0.3		-9.8	
18	546.9	1435.4	-1.2		-0.3	-9.6	-0.1		-9.6	
18	547.2	1435.2	-1.1		-0.3	-9.8	-0.2		-9.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	547.5	1434.8	-1.5		-0.2	-8.3	-0.3		-8.5	
18	547.8	1434.7	-1.6		-0.1	-8.4	-0.4		-8.1	
18	548.1	1434.8	-1		-0.2	-7.1	-0.2		-8	
18	548.4	1434.8	-0.3		-0.4	-6	0.1		-7.9	
18	548.7	1435	-0.5		-0.4	-6.7	0.4		-8.3	
18	549	1435.2	0		-0.9	-6.1	0.9		-8.7	
18	549.3	1435.2	-1.5		-1	-8.5	1		-9.3	
18	549.6	1434.9	-0.1		-1.3	-7.6	1.1		-9.9	
18	549.9	1434.6	-2.2		-1.3	-9.9	1		-10.1	
18	550.2	1434.3	-1.3		-1.5	-8.8	1	4057655	-10.5	
18	550.5	1434.3	-2		-1.6	-10.2	1	4049807	-10.8	
18	550.8	1434.2	-2.7		-1.6	-11.4	0.9	4018714	-11	
18	551.1	1434.4	-2.7		-1.3	-11.2	0.8	3980514	-11	
18	551.4	1434.6	-3.4		-1.1	-12.1	0.7	3935621	-10.7	
18	551.7	1434.9	-3.4		-0.7	-10.6	0.6	3898976	-10.3	
18	552	1435	-3.8		-0.4	-11.8	0.5	3870148	-10	
18	552.3	1435	-3.4		-0.3	-9.6	0.5	3855894	-9.6	
18	552.6	1435	-4.5		-0.1	-11.4	0.5	3855894	-9.1	
18	552.9	1435	-4.2	-2	0	-10	0.5	3884509	-8.8	
18	553.2	1434.9	-4.3	-4.1	0.1	-9.8	0.5	3928237	-8.5	
18	553.5	1434.9	-4.5	-2.9	0	-9.4	0.5	3972961	-8.3	
18	553.8	1434.9	-4	-3.3	-0.2	-9.1	0.7	4026443	-8	
18	554.1	1434.9	-4.8	-4.2	-0.3	-9.7	0.7	4081384	-7.9	
18	554.4	1434.9	-4	-3.3	-0.4	-8.8	0.7	4162525	-7.8	
18	554.7	1435	-4.5	-4.4	-0.5	-9.8	0.7	4290472	-7.9	
18	555	1434.9	-3.1	-3.1	-0.7	-7.7	0.7	4435911	-7.9	
18	555.3	1434.7	-3.9	-4.1	-1	-9.1	0.8	4591557	-7.9	
18	555.6	1434.4	-3.3	-3.2	-1.2	-8.3	0.8	4769363	-7.9	
18	555.9	1434.3	-4.1	-4	-1.2	-9.5	0.7	4973278	-8.2	
18	556.2	1434.1	-2.4	-2.1	-1.4	-8.5	0.7	5182550	-8.6	
18	556.5	1434.1	-2.6	-2.2	-1.4	-8.6	0.7	5368590	-8.9	
18	556.8	1434.2	-2.3	-1.7	-1.4	-8.8	0.8	5481021	-9.2	
18	557.1	1434.5	-1.9	-1	-1.2	-9.1	0.9	5466710	-9.6	
18	557.4	1434.7	-2.1	-1.3	-1	-10.3	0.9	5368590	-9.9	
18	557.7	1434.7	-1.2	0	-0.8	-9.1	0.8	5195410	-10	
18	558	1434.7	-1.5	-0.1	-0.6	-10.4	0.8	4961493	-10	
18	558.3	1434.8	-1	0.8	-0.6	-9.2	0.9	4736991	-10	
18	558.6	1434.7	-1.1	0.5	-0.5	-10.3	0.8	4522139	-9.9	
18	558.9	1434.6	-1.1	0.4	-0.6	-10.1	0.8	4343880	-9.6	
18	559.2	1434.7	-1.5	0.2	-0.5	-10.6	0.8	4221271	-9.5	
18	559.5	1434.7	-0.3	0.9	-0.7	-9.5	0.8	4121555	-9.4	
18	559.8	1434.6	-0.3	0.8	-0.8	-9.6	0.8	4065534	-9.2	
18	560.1	1434.7	-0.2	1.3	-0.8	-9.9	0.9	4026443	-9.3	
18	560.4	1434.7	1.1	2.7	-0.8	-8.5	1	4018714	-9.3	
18	560.7	1434.7	0.6	1.6	-0.9	-10	1	4026443	-9.5	
18	561	1434.7	1	1.3	-0.9	-9.5	1	4034201	-9.7	
18	561.3	1434.7	1.4	1.9	-1	-9.2	1	4041989	-10.1	
18	561.6	1434.6	1.6	1.6	-1.2	-8.7	0.9	4034201	-10.3	
18	561.9	1434.7	1.4	2.9	-1.1	-9.9	0.9	4011016	-10.6	
18	562.2	1434.5	2.3	2.4	-1.2	-9.3	0.8	3972961	-11	
18	562.5	1434.5	2	4.2	-1.2	-9.8	0.7	3935621	-11.2	
18	562.8	1434.3	2	3.3	-1.3	-10.4	0.5	3898976	-11.5	
18	563.1	1434.3	3.1	5.1	-1.4	-9.4	0.5	3848806	-11.8	
18	563.4	1434.5	2.7	5.4	-1.4	-10	0.7	3793026	-11.8	
18	563.7	1434.8	2.2	4.9	-1.4	-10.7	0.9	3732175	-11.7	
18	564	1435.1	1.6	5	-0.7	-11.2	0.9	3692681	-11.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	564.3	1435.2	1.7	5.1	-0.4	-10.7	0.7	3666813	-11.2	
18	564.6	1435.2	1.5	5.3	0	-10.6	0.4	3647649	-10.4	
18	564.9	1435.4	1.4	4.8	0.3	-9.6	0.3	3647649	-9.6	
18	565.2	1435.5	0.8	5.3	0.7	-9.3	0.1	3654014	-8.8	
18	565.5	1435.7	0.9	5.1	1.1	-9.3	-0.1	3673246	-8.5	
18	565.8	1435.7	0.7	5	1.4	-8.6	-0.5	3699205	-7.9	
18	566.1	1435.9	0.9	5.4	1.6	-7.5	-0.7	3725534	-7.4	
18	566.4	1435.2	1	5	0.9	-6.1	-0.8	3758977	-7	
18	566.7	1435.1	0.9	5.7	0.5	-6.4	-0.5	3779333	-7.2	
18	567	1435.1	1	5	-0.1	-6.2	0	3786167	-7.5	
18	567.3	1435	0.8	5.3	-0.8	-7.2	0.5	3779333	-8.1	
18	567.6	1435.1	0.6	3.7	-1.3	-7.8	1	3745528	-8.6	
18	567.9	1435.1	0.2	4.1	-1.8	-8.4	1.5	3686180	-8.9	
18	568.2	1435.1	0	3.3	-2.1	-9.1	1.8	3609914	-9.2	
18	568.5	1435.2	-0.2	3.9	-2.6	-9.5	2.2	3524832	-9.5	
18	568.8	1435.1	-1.3	1.1	-2.5	-11.1	2.3	3415580	-9.7	
18	569.1	1435.1	-1.4	1.2	-2.7	-11.6	2.3	3297245	-9.8	
18	569.4	1435.3	-2.1	0.2	-2.5	-12.2	2.2	3177163	-9.7	
18	569.7	1435.2	-1.6	0.3	-2.3	-11.4	1.8	3065520	-9.6	
18	570	1435.3	-1.3	0.8	-2	-11	1.5	2969859	-9.4	
18	570.3	1435.2	-1.4	-0.2	-1.8	-10.9	1.1	2891920	-9.3	
18	570.6	1435.2	-0.9	0.6	-1.6	-10.6	0.9	2833221	-9.3	
18	570.9	1435.3	-1.3	-0.3	-1.4	-10.8	0.8	2791667	-9.5	
18	571.2	1435.5	-0.8	0.3	-1.2	-10.2	0.7	2773179	-9.7	
18	571.5	1435.8	0	1.1	-0.8	-9.6	0.8	2780545	-9.8	
18	571.8	1436	-0.2	1.3	-0.6	-9.4	0.9	2825574	-9.8	
18	572.1	1436.4	-0.4	-0.1	-0.3	-10	1	2907987	-9.8	
18	572.4	1436.6	0	0.3	0	-9.7	1	3012590	-9.7	
18	572.7	1436.6	0.1	0.3	0.2	-9.8	1	3139056	-9.6	
18	573	1436.7	0.7	-0.4	0.2	-9.3	1.2	3276605	-9.4	
18	573.3	1436.7	0.1	-0.5	0.2	-9.6	1.3	3426760	-9.1	
18	573.6	1436.8	0.7	-0.3	0.1	-9.1	1.4	3597509	-9.1	
18	573.9	1436.6	1	-0.4	-0.1	-9.2	1.3	3765738	-9	
18	574.2	1436.2	1	-0.6	-0.6	-9.5	1.1	3863008	-9	
18	574.5	1436.2	1.1	-0.3	-0.9	-9.3	1	3891729	-9.1	
18	574.8	1435.9	1.3	-1	-1	-9.2	0.7	3863008	-9.3	
18	575.1	1435.7	1.9	-0.1	-1.3	-9.1	0.6	3793026	-9.8	
18	575.4	1435.4	2.1	0.1	-1.7	-9.7	0.5	3699205	-10.1	
18	575.7	1435.1	2.4	-0.7	-2	-9.5	0.4	3591338	-10.4	
18	576	1435	2.2	-0.5	-2.3	-9.9	0.3	3460744	-10.6	
18	576.3	1435	2.5	0.3	-2.2	-10.3	0.2	3339315	-11.2	
18	576.6	1435.4	3.1	1.5	-1.9	-10.2	0.4	3246125	-11.6	
18	576.9	1435.7	2.9	1.2	-2.1	-10.5	0.7	3196565	-11.6	
18	577.2	1435.9	2.4	0.9	-2	-10.9	1	3191693	-11.4	
18	577.5	1436.2	2.3	0.9	-1.9	-11.3	1.4	3211273	-11.2	
18	577.8	1436.5	2.7	1.9	-1.7	-10.9	1.7	3266381	-11.1	
18	578.1	1436.7	2.8	1.9	-1.5	-10.9	2	3350000	-10.8	
18	578.4	1437.1	2.2	1.5	-1.3	-11	2.3	3449341	-10.2	
18	578.7	1437.4	2.2	1.3	-1.2	-10.6	2.7	3560800	-9.5	
18	579	1437.7	2.5	1.5	-1.4	-10.1	3	3660403	-8.9	
18	579.3	1437.9	2.5	1.6	-1.5	-8.9	3.2	3738840	-8.1	
18	579.6	1437.9	2.4	1.4	-1.5	-8.8	3.2	3779333	-7.2	
18	579.9	1437.7	2.8	2	-1.7	-8	3	3772523	-6.5	
18	580.2	1437.6	2.9	2.3	-1.8	-7.2	2.8	3732175	-5.8	
18	580.5	1437.4	3.3	3.1	-1.8	-6.3	2.5	3654014	-5.2	
18	580.8	1437.1	3.9	3.9	-2	-4.7	2.1	3554754	-4.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	581.1	1436.8	4	4.2	-1.8	-4	1.5	3455033	-4.5	
18	581.4	1436.7	4.3	5.6	-1.5	-3.6	0.8	3360755	-4.5	
18	581.7	1436.6	3.7	5.1	-0.9	-4.6	-0.3	3281740	-4.7	
18	582	1436.6	5.5	7.6	-0.3	-2.9	-1.2	3216206	-5.2	
18	582.3	1436.6	6.3	7.9	0.4	-2.5	-1.7	3162765	-5.9	
18	582.6	1436.7	6	7.3	0.9	-3.7	-2.1	3111070	-6.9	
18	582.9	1436.8	6	7.4	1.5	-5.3	-2.3	3065520	-7.9	
18	583.2	1436.9	5.5	6.4	1.8	-7	-2.3	3034421	-9.2	
18	583.5	1436.9	4.9	6.2	1.9	-8.6	-2.2	3021285	-10.5	
18	583.8	1437.1	4.2	5	2.2	-10.2	-1.7	3025651	-11.5	
18	584.1	1437.7	4.7	4.7	3	-9	-0.5	3038825	-12.8	
18	584.4	1438.3	4	4.2	2.8	-13.6	0.3	3065520	-13.5	
18	584.7	1438	3	3.4	-0.3	-15.1	0.8	3106455	-13.6	
18	585	1438.1	2.7	2.7	0.2	-14.6	1.3	3148497	-13.5	
18	585.3	1437.8	3.5	3.4	-0.2	-14	1.5	3191693	-13.5	
18	585.6	1437.6	2.7	2	-0.5	-14.2	1.6	3231096	-13.5	
18	585.9	1437.5	1.9	1.8	-0.8	-14.8	1.7	3261293	-13.4	
18	586.2	1436.5	1.5	0.8	-2.1	-14.2	1.5	3271485	-13	
18	586.5	1433.9	-1.8	-2.8	-4.7	-17.6	1	3261293	-13	
18	586.8	1433.9	2.7	1.7	-4.7	-12.7	0.5	3246125	-12.6	
18	587.1	1438.5	2.7	1.6	0.2	-11.8	0.1	3231096	-12.4	
18	587.4	1436.4	1.5	0.2	-2.1	-13	0.1	3221154	-12.2	
18	587.7	1436.1	2	0.1	-2.1	-12.8	-0.1	3221154	-12.2	
18	588	1436	1.3	-0.8	-2.4	-12.9	-0.1	3231096	-11.5	
18	588.3	1436.3	1.7	-0.7	-2.2	-12.2	0	3256221	-11.4	
18	588.6	1437.1	1.1	-1.1	-1.2	-11.4	0.3	3297245	-10.6	
18	588.9	1437.5	0.8	-1.7	0.2	-10	0.7	3360755	-10.1	
18	589.2	1437.9	1.5	-1.6	0.2	-10.8	1.1	3443668	-9.5	
18	589.5	1438.4	1.1	-1.8	-2.1	-10.5	1.6	3554754	-8.9	
18	589.8	1438.7	2	-0.4	-1.1	-8.2	1.9	3692681	-8.5	
18	590.1	1438.9	1.6	-0.7	-0.9	-8.6	2.1	3841744	-7.9	
18	590.4	1439.3	2.7	0	-0.7	-6.4	2.3	4003346	-7.5	
18	590.7	1439.4	3.1	0.3	-1	-5.8	2.5	4170817	-6.9	
18	591	1439.4	2.3	0.1	-1.3	-5.8	2.5	4343880	-6.5	
18	591.3	1439.3	3.1	0.9	-1.4	-4.3	2.4	4512393	-6.3	
18	591.6	1439.2	2.8	0.3	-1.6	-4.2	2.3	4642462	-6	
18	591.9	1439.3	2.7	0.2	-1.6	-4.5	2.2	4673549	-5.9	
18	592.2	1439.3	2	-0.4	-1.5	-5.4	2.1	4601649	-5.8	
18	592.5	1439.3	2.5	-0.3	-1.5	-4.5	2.1	4454788	-5.7	
18	592.8	1439.4	2	-0.9	-1.5	-4.9	2	4255590	-5.9	
18	593.1	1439.4	2.2	-1.1	-1.5	-5.2	1.9	4026443	-6.5	
18	593.4	1439.3	2	-1.9	-1.3	-5.6	1.6	3772523	-7.2	
18	593.7	1439.1	1.4	-2.6	-1.3	-6.9	1.3	3513004	-7.7	
18	594	1439.1	0.6	-3.7	-1.2	-7.9	1	3312896	-8.3	
18	594.3	1439.1	1.4	-2.3	-1	-8.4	0.5	3206356	-9.4	
18	594.6	1438.8	1.1	-4.4	-1.1	-9.4	0.1	3153238	-10.1	
18	594.9	1438.6	0.9	-5.4	-1.1	-10.7	-0.2	3120343	-10.9	
18	595.2	1438.5	-0.7	-6.7	-0.9	-11.8	-0.3	3125000	-10.6	
18	595.5	1438.5	-1.2	-7.2	-0.7	-12.6	-0.3	3148497	-10.6	
18	595.8	1438.5	-1.4	-6.9	-0.4	-13	-0.2	3201453	-10.6	
18	596.1	1438.9	-1.9	-6.8	-0.2	-12.9	0.1	3276605	-10.4	
18	596.4	1439.5	-2.5	-6.7	0.1	-13.5	0.4	3344649	-10.3	
18	596.7	1440	-1.9	-6.6	0.3	-12.6	0.7	3377017	-9.6	
18	597	1440.4	-1.3	-5.3	0.5	-12	1	3377017	-9.4	
18	597.3	1440.5	-1.1	-4.1	0.6	-11.8	1.2	3344649	-9.2	
18	597.6	1440.1	-1	-3.7	-0.1	-10.4	1.4	3318146	-8.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	597.9	1439.5	-0.5	-4	-0.8	-9.8	1.5	3261293	-8.4	
18	598.2	1439	-0.1	-2.8	-1.5	-9	1.5	3191693	-7.9	
18	598.5	1438.9	-0.2	-2.1	-2	-8.6	1.5	3115700	-7.6	
18	598.8	1438.9	0.8	-0.7	-2.3	-7.2	1.5	3056570	-7.4	
18	599.1	1439	0.8	2.6	-2.5	-7.9	1.5	3025651	-7.1	
18	599.4	1438.9	1.4	-1.3	-2.5	-7.3	1.3	3021285	-7.1	
18	599.7	1438.9	2.1	-0.6	-2.1	-6.2	1	3047672	-7.1	
18	600	1439	2.6	1.1	-1.5	-5.2	0.8	3088127	-6.9	
18	600.3	1439.2	2.9	0.9	-0.9	-4.6	0.6	3139056	-6.9	
18	600.6	1439.6	3.3	2	0.1	-4.6	0.4	3201453	-7.1	
18	600.9	1439.8	3.6	1.9	0.6	-5	0.1	3271485	-7.5	
18	601.2	1439.9	3.7	2.6	1	-5.8	-0.3	3333997	-7.9	
18	601.5	1439.9	5	4.2	1.4	-4.4	-0.5	3377017	-8.3	
18	601.8	1439.8	4.5	3	1.8	-6	-0.6	3387945	-8.7	
18	602.1	1439.5	3.5	2.4	1.4	-7.7	-0.5	3377017	-9.1	
18	602.4	1439.3	2.8	0.8	1	-8.7	-0.2	3355369	-9.4	
18	602.7	1439.5	1.6	0	0.8	-10.5	0.1	3344649	-9.6	
18	603	1439.2	1.8	-0.9	0.1	-9.4	0.5	3339315	-9.8	
18	603.3	1439.4	2.5	-0.6	-0.1	-11	1.2	3339315	-10.2	
18	603.6	1439.4	2.4	0.1	-0.6	-11.1	1.9	3339315	-10.4	
18	603.9	1438.9	1.4	-1.7	-0.8	-12.1	1.9	3323413	-10.1	
18	604.2	1438.3	2.2	-0.6	-0.9	-11.3	1.6	3297245	-10.2	
18	604.5	1438.2	2	-0.7	-0.5	-10.4	1.4	3241100	-10	
18	604.8	1438	1.6	-0.4	-0.7	-10	1.5	3153238	-9.6	
18	605.1	1438	2.1	-0.4	-0.4	-9.4	1.2	3038825	-10.1	
18	605.4	1437.6	-0.6	-2.6	-0.6	-12.4	1	2903953	-10.4	
18	605.7	1436.8	3	0.8	-1.2	-9.4	0.5	2758564	-10.8	
18	606	1436.2	2.6	0.6	-1.7	-9	0.2	2620464	-10.2	
18	606.3	1435.7	1.8	0.4	-1.9	-8.9	0.2	2495531	-9.8	
18	606.6	1435.4	2.1	1.5	-2	-8.6	0.4	2387401	-9.4	
18	606.9	1435.1	1.4	0	-2	-9.4	0.5	2298299	-9.3	
18	607.2	1435.2	1.1	0	-1.8	-9.2	0.7	2225027	-9.1	
18	607.5	1435	1.2	0.3	-1.7	-8.8	0.6	2162966	-8.7	
18	607.8	1435.3	1.1	1.8	-1.4	-7.3	1	2110636	-8.3	
18	608.1	1435.7	0.7	1.9	-0.8	-9	1.3	2060778	-8.2	
18	608.4	1436	0.4	1.8	-0.5	-9.2	1.6	2007431	-8.3	
18	608.7	1436	0.3	2.2	-0.5	-8.8	1.6	1949489	-8.3	
18	609	1435.6	0.5	3	-0.9	-9	1.4	1889667	-8.3	
18	609.3	1435.1	0.9	2.8	-1.4	-8.2	1.2	1830202	-8.3	
18	609.6	1434.6	0.9	2.2	-2.1	-7.8	1	1766879	-8.2	
18	609.9	1434.3	0.5	1.6	-2.3	-8.4	1	1700854	-8.2	
18	610.2	1433.8	0.8	1.8	-2.9	-8.1	1	1635743	-8.1	
18	610.5	1433.6	0	0.5	-3.2	-8.6	1	1573066	-8	
18	610.8	1433.7	0.1	0.2	-3.2	-8.1	1.1	1512826	-7.9	
18	611.1	1434.1	-0.2	0	-2.9	-8.3	1.3	1453994	-7.8	
18	611.4	1434.7	0.2	-0.6	-2.4	-8.2	1.6	1395834	-8	
18	611.7	1435.5	0.3	-0.5	-1.6	-8.3	2.1	1340430	-7.9	
18	612	1436.2	0	-1.4	-0.9	-8.6	2.4	1286879	-7.8	
18	612.3	1436.3	0.3	-1.8	-0.9	-8.3	2.5	1237442	-7.8	
18	612.6	1436.1	0.5	-2.1	-0.8	-8.6	2.3	1193701	-7.8	
18	612.9	1435.9	0.4	-2.5	-0.9	-8.6	2.1	1155493	-7.9	
18	613.2	1435.6	0.2	-3.1	-1.3	-8.6	1.9	1122656	-7.8	
18	613.5	1435.4	0.3	-3.3	-1.5	-8.1	1.6	1097930	-7.9	
18	613.8	1435.3	0.3	-3.4	-2	-8.4	1.6	1080368	-8.1	
18	614.1	1434.9	0.5	-4.5	-2.8	-8.7	1.5	1064981	-8.5	
18	614.4	1434.9	0.8	-3.7	-3.4	-8.3	1.6	1050553	-8.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	614.7	1435.1	1.1	-2.4	-3.4	-8.6	1.9	1038053	-9.1	
18	615	1435.4	1.7	-1.1	-3.4	-8.6	2.3	1027861	-9.7	
18	615.3	1435.9	2.2	0.6	-3.2	-8.5	2.9	1017867	-10.4	
18	615.6	1436.3	2	0.2	-3.2	-9.2	3.5	1008066	-10.8	
18	615.9	1436.5	1.2	-1.3	-3.3	-10.5	3.8	996551	-10.9	
18	616.2	1436.8	0.9	-1.5	-3.4	-10.8	4.1	983907	-10.6	
18	616.5	1436.9	1.1	-0.3	-3.4	-10.5	4.2	971579	-10.4	
18	616.8	1437.1	0.6	-1.6	-3.1	-10.9	4.1	960437	-10.1	
18	617.1	1437	0.8	-1.2	-3.3	-10	4	949548	-9.3	
18	617.4	1436.9	0.6	-1	-3.5	-9.9	3.9	939324	-8.6	
18	617.7	1436.5	0.1	-2	-3.8	-9.8	3.8	928494	-7.9	
18	618	1436.4	0.7	1.3	-4	-8.7	3.9	919523	-7.2	
18	618.3	1436.6	1.4	-1.6	-4.1	-7.5	4.2	911914	-6.8	
18	618.6	1436.9	1.8	-0.8	-4.1	-6.7	4.6	905603	-6.7	
18	618.9	1437.3	1.9	0.1	-4	-6.4	4.9	899765	-6.9	
18	619.2	1437.4	1.9	-0.2	-4.3	-6.3	5.1	893621	-7.4	
18	619.5	1437.5	1.9	0.5	-4.6	-7	5.4	887560	-7.9	
18	619.8	1437.5	2	0.9	-5	-7	5.6	881581	-8.4	
18	620.1	1437.2	1.9	0.7	-5.4	-7.2	5.7	875315	-9.2	
18	620.4	1436.7	2.4	1.3	-6.1	-7.6	5.7	868778	-10.4	
18	620.7	1436.4	2.9	2.2	-6.7	-8.6	5.7	861627	-11.6	
18	621	1436	2.6	2.2	-7.2	-9.6	5.7	853897	-12.3	
18	621.3	1435.9	1.6	1.3	-7.5	-11	5.7	845620	-12.6	
18	621.6	1436	1	0.5	-7.4	-11.6	5.7	837167	-12.8	
18	621.9	1436.5	1.1	0.2	-7	-11	5.9	829210	-12.9	
18	622.2	1436.9	0.5	-0.4	-6.6	-11.7	6	820115	-12.8	
18	622.5	1437.3	-0.4	-0.9	-5.8	-12.1	6	809963	-12.4	
18	622.8	1437.8	-1.5	-2.3	-4.9	-12.8	5.9	798838	-12	
18	623.1	1438.2	-1.5	-1.5	-4.1	-12.3	5.8	787126	-11.3	
18	623.4	1438.2	-1.9	-2	-3.4	-12.3	5.4	774891	-10.9	
18	623.7	1438.1	-1.8	-1.6	-3	-11.6	5	762197	-10.6	
18	624	1438	-2.4	-2.6	-2.7	-11.4	4.7	749913	-10.4	
18	624.3	1437.8	-3.4	-3.7	-2.7	-12.4	4.3	737758	-10	
18	624.6	1437.5	-3.2	-3.2	-2.5	-12.2	3.8	726746	-9.8	
18	624.9	1437.1	-3.3	-3.6	-2.6	-11.7	3.5	717285	-9.2	
18	625.2	1436.9	-3.9	-4.4	-2.5	-11.1	3.2	709267	-8.6	
18	625.5	1436.6	-4	-4.4	-2.6	-11.3	3	703547	-8.3	
18	625.8	1436.4	-3.6	-3.8	-2.8	-10.6	2.9	700253	-7.9	
18	626.1	1436.2	-3.2	-3.5	-3	-10.4	2.9	698618	-7.8	
18	626.4	1436.1	-3.8	-4.1	-3.1	-10.5	2.9	698851	-7.4	
18	626.7	1435.9	-3.1	-3.6	-3.2	-8.7	2.9	700722	-7.4	
18	627	1435.6	-2.2	-3	-3.5	-8.3	3	703547	-7.5	
18	627.3	1435.1	-1.2	-2.3	-3.8	-7.2	3.1	707111	-7.8	
18	627.6	1434.7	-1.3	-3	-4.2	-7.8	3.2	711194	-8.2	
18	627.9	1434.3	-0.5	-2.7	-4.5	-6.9	3.2	715325	-9	
18	628.2	1434.4	0.1	-1.9	-4.2	-6.7	3.2	719257	-9.6	
18	628.5	1434.5	0.6	-0.6	-3.9	-7.2	3.2	723482	-10.3	
18	628.8	1434.6	1	0.1	-3.6	-6.1	3.1	728010	-10.7	
18	629.1	1434.6	-0.1	-1.2	-3.5	-7.3	3	732083	-10.8	
18	629.4	1434.6	0.4	-0.2	-3.3	-8	2.8	735167	-11.2	
18	629.7	1434.5	-0.3	-1.1	-3.1	-9.1	2.6	737758	-11.5	
18	630	1434.6	0.4	-0.2	-3	-8.2	2.7	739582	-11.4	
18	630.3	1434.6	-1.2	-1.3	-3	-9.1	2.8	740890	-10.8	
18	630.6	1434.3	-2	-2.7	-3.5	-10.2	3	741678	-10	
18	630.9	1434.2	-1.9	-3.3	-3.9	-9.8	3.3	742203	-9.1	
18	631.2	1434.2	-3.3	-5.1	-4.3	-11.1	3.7	742467	-8.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	631.5	1434.4	-4.2	-6.1	-4.4	-10.7	4.1	742730	-7.8	
18	631.8	1434.6	-3.4	-5.3	-4.6	-9	4.5	743521	-6.9	
18	632.1	1434.9	-4.2	-6.1	-4.9	-9	5.2	745374	-5.8	
18	632.4	1435.1	-4.4	-6.4	-5.3	-8.8	5.7	748037	-5.1	
18	632.7	1435.3	-5.2	-7.1	-5.6	-9.5	5.9	751258	-5.2	
18	633	1435.2	-3.7	-6.1	-5.9	-7.2	6	754507	-5.8	
18	633.3	1435.1	-3.1	-6	-6.3	-8.2	6.1	758058	-6.6	
18	633.6	1435	-2.4	-5	-6.5	-7.8	6.1	760812	-7.6	
18	633.9	1434.7	-2.5	-4.1	-7.1	-8.2	6.1	763309	-8.3	
18	634.2	1434.8	-2.9	-3.9	-7.2	-9.7	6.1	765541	-9.1	
18	634.5	1434.7	-1.8	-2.9	-7.3	-9.1	5.9	766943	-9.9	
18	634.8	1434.9	-1.9	-2.4	-7	-10.5	5.7	767506	-10.8	
18	635.1	1435.3	-0.7	-0.3	-6.5	-9.2	5.6	767506	-11.1	
18	635.4	1435.9	-2.6	-1.1	-5.3	-12	5.3	767224	-11	
18	635.7	1436.4	-1	0.5	-4.5	-10.4	4.9	766663	-10.8	
18	636	1436.7	-1.1	0.8	-3.6	-11.2	4.5	766102	-10.4	
18	636.3	1437.1	-1	0.8	-2.5	-10.4	4	765821	-10	
18	636.6	1437.2	-1.2	1.2	-1.9	-10.3	3.4	765541	-9.4	
18	636.9	1437.3	-0.9	2.5	-1.3	-10.4	2.9	765262	-9.2	
18	637.2	1437.2	-0.1	3.1	-1.2	-9.5	2.5	764703	-8.9	
18	637.5	1437.1	0	3.3	-1.3	-10	2.2	764144	-8.8	
18	637.8	1436.7	0.5	4.4	-2	-7.7	2.1	763587	-8.3	
18	638.1	1436.8	0.2	4.2	-2.3	-9.4	2.3	763030	-8.2	
18	638.4	1436.5	1.7	5.3	-2.9	-7.2	2.5	762475	-8	
18	638.7	1436.5	1.4	4.6	-3.3	-8.1	2.8	761920	-7.8	
18	639	1436.6	2.3	6.1	-3.6	-6.4	3.3	761643	-7.7	
18	639.3	1436.8	2.4	5.5	-3.8	-6.5	3.9	761920	-7.4	
18	639.6	1436.9	2.9	5.1	-3.9	-6.2	4.4	762197	-7.4	
18	639.9	1437.1	3.1	4.3	-4.1	-5.9	4.9	762475	-7.3	
18	640.2	1437.3	2.4	3.7	-4	-6.7	5.2	763866	-7.4	
18	640.5	1437.3	3.9	4.4	-4.2	-5.4	5.4	765821	-7.4	
18	640.8	1437.1	2.8	2.7	-4.4	-7.1	5.5	768351	-7.6	
18	641.1	1436.9	4.4	3.8	-4.7	-5.6	5.6	771181	-7.9	
18	641.4	1436.5	3.2	2.2	-5	-7.4	5.6	774604	-8.2	
18	641.7	1436.1	4	4.1	-5.3	-6.9	5.4	778637	-8.5	
18	642	1435.7	3.5	3.1	-5.6	-7.9	5.2	783005	-8.8	
18	642.3	1435.6	3.4	3.7	-5.5	-8.4	5	788608	-9.4	
18	642.6	1435.5	2.9	2.5	-5.6	-8.9	4.8	795198	-10	
18	642.9	1435.5	3.5	4.7	-5.4	-9.9	4.7	802512	-10.5	
18	643.2	1435.4	3	5	-5.3	-10.1	4.5	810277	-10.8	
18	643.5	1435.4	2.8	4.7	-5.1	-10.6	4.4	818833	-11	
18	643.8	1435.2	2.5	5.8	-4.8	-10.7	4.1	828226	-11.2	
18	644.1	1435.2	2.4	6.6	-4.4	-11.5	3.9	839180	-11.3	
18	644.4	1435.3	2.3	5.7	-3.9	-10.9	3.8	851466	-11.2	
18	644.7	1435.1	1.8	6	-4	-11.9	3.6	864117	-11.3	
18	645	1435.3	1.2	5.6	-3.8	-11.7	3.5	877516	-11.4	
18	645.3	1435.2	1.8	7	-3.8	-11.6	3.3	892098	-11.5	
18	645.6	1435.3	1.8	5.5	-3.6	-10.6	3.2	906780	-11.5	
18	645.9	1435.3	0.3	3.4	-3.5	-12.2	3.1	921141	-11.3	
18	646.2	1435.3	0.8	3.2	-3.2	-10.9	3	935547	-11.6	
18	646.5	1435.2	1.2	3.7	-3.4	-10.3	3	948688	-11.7	
18	646.8	1435.2	0.4	3.3	-3.5	-11.2	3	961319	-12	
18	647.1	1435.4	1.3	3.1	-3.4	-9.6	3.2	973386	-12.1	
18	647.4	1435.7	0.1	2	-3.2	-10.2	3.3	985760	-12.2	
18	647.7	1435.9	0.4	1.1	-2.9	-9.6	3.4	999405	-12	
18	648	1436.1	-1.2	1.4	-2.7	-11	3.4	1013924	-11.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	648.3	1436	-0.4	0.6	-2.8	-8.7	3.4	1031405	-10.8	
18	648.6	1435.9	-2.3	-1.2	-3	-10.1	3.4	1050553	-9.7	
18	648.9	1436	-2.8	-1.8	-2.6	-9.7	3.2	1072070	-9	
18	649.2	1436	-3.2	-2	-2.2	-9.2	2.9	1096780	-8.1	
18	649.5	1436	-4.3	-3.4	-2	-10.1	2.7	1124464	-7.2	
18	649.8	1435.8	-5	-4.9	-2.1	-9.1	2.5	1154219	-6.2	
18	650.1	1435.6	-5.8	-5.8	-2	-9.4	2.2	1186262	-5.5	
18	650.4	1435.5	-5.5	-6	-1.9	-7.6	2.1	1220847	-5	
18	650.7	1435.5	-5.3	-5.5	-1.9	-8	2.1	1258264	-5.2	
18	651	1435.6	-4.5	-6.2	-1.9	-6.9	2.3	1298048	-5.4	
18	651.3	1435.6	-5.4	-6.8	-2.4	-7.8	2.5	1340430	-5.8	
18	651.6	1435.5	-4.5	-6.8	-2.7	-7.7	2.7	1384756	-6.5	
18	651.9	1435.2	-4.1	-6.5	-3.6	-7.2	3	1430158	-7.1	
18	652.2	1435.1	-4.2	-7.1	-4.1	-7.9	3.3	1477595	-7.6	
18	652.5	1434.8	-4.3	-7.4	-4.8	-7.5	3.5	1527171	-7.7	
18	652.8	1434.5	-4.6	-7	-5.3	-8.6	3.5	1577808	-8.1	
18	653.1	1434.5	-4.5	-8.4	-5.5	-9	3.5	1628111	-8.3	
18	653.4	1434.6	-3.7	-6.5	-5.4	-8.9	3.4	1675001	-8.6	
18	653.7	1435	-3.9	-8.3	-4.7	-8.8	3.2	1721835	-8.7	
18	654	1435	-3.4	-6.6	-4.3	-8.6	2.8	1765389	-8.6	
18	654.3	1435.5	-3.7	-7.7	-3	-9	2.5	1806515	-8.3	
18	654.6	1436	-2.9	-6.4	-2	-8.4	2.3	1844715	-8.2	
18	654.9	1436.5	-3.2	-6.6	-0.9	-8.2	2	1874441	-8.1	
18	655.2	1437.1	-2.6	-5.5	0.3	-7.8	1.7	1894797	-8.1	
18	655.5	1437.5	-2.3	-5.8	1.1	-7.9	1.5	1905142	-8	
18	655.8	1437.6	-2.3	-5.3	1.7	-8	1.3	1910357	-7.9	
18	656.1	1437.5	-2.2	-5	1.7	-7.6	1	1913849	-7.8	
18	656.4	1437.4	-2.2	-4.7	1.7	-7.8	0.9	1917354	-7.8	
18	656.7	1436.8	-1.9	-4.3	1.2	-7.8	0.5	1922636	-8	
18	657	1436.4	-1.3	-3.6	0.7	-7.3	0.2	1933288	-8.1	
18	657.3	1436	-1.9	-3.7	0.3	-8.3	-0.2	1953126	-8.2	
18	657.6	1435.6	-1.2	-2.4	-0.1	-7.6	-0.7	1984598	-8.5	
18	657.9	1435.3	-0.3	-2.1	-0.5	-7.5	-0.9	2028828	-8.8	
18	658.2	1434.7	-0.7	-2.5	-0.8	-7.9	-1.2	2087488	-9	
18	658.5	1434.6	-0.9	-1.2	-0.8	-8.5	-1.2	2158506	-9.3	
18	658.8	1434.5	-1.1	-1.9	-0.8	-8.6	-1.2	2239306	-9.4	
18	659.1	1434.6	-0.6	-1.8	-0.6	-8.3	-1.1	2318661	-9.4	
18	659.4	1435	-1.3	-1.7	-0.3	-9.5	-0.8	2395596	-9.6	
18	659.7	1435.3	-0.4	-1.7	-0.1	-8.2	-0.4	2474882	-9.6	
18	660	1435.7	-1.6	-1.7	0.1	-9.6	0	2556472	-9.4	
18	660.3	1435.9	-1	-1.4	0.3	-9.3	0.2	2636965	-9.2	
18	660.6	1435.7	-1.3	-0.1	0.2	-9.6	0.3	2715630	-8.9	
18	660.9	1435.6	-1.1	-0.7	0	-9.2	0.4	2799132	-8.7	
18	661.2	1435.7	-1.5	0.8	0	-9.3	0.5	2891920	-8.5	
18	661.5	1435.9	-1.4	1.4	0.2	-9.2	0.6	2999642	-8.2	
18	661.8	1435.9	-1.6	1.6	0	-9	0.6	3120343	-8.1	
18	662.1	1435.7	-1.7	2.6	-0.2	-9.4	0.5	3246125	-8	
18	662.4	1435.6	-1.7	3.3	-0.4	-8.9	0.4	3366158	-8	
18	662.7	1435.5	-1.4	4.4	-0.8	-8.8	0.4	3489584	-8	
18	663	1435.7	-0.5	5	-0.8	-8.4	0.6	3597509	-8.2	
18	663.3	1435.9	-0.3	5	-0.9	-7.9	0.9	3692681	-8.4	
18	663.6	1435.8	-0.3	4.2	-1	-8.4	1	3772523	-8.8	
18	663.9	1435.6	-0.2	5.2	-1.4	-8.1	1.1	3834707	-9	
18	664.2	1435.5	-0.1	4.4	-1.5	-8.2	1.2	3891729	-9.1	
18	664.5	1435.4	-0.1	4	-1.7	-8.4	1.4	3972961	-9.3	
18	664.8	1435.6	0	4.2	-1.7	-8.3	1.8	4097359	-9.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	665.1	1435.9	-0.2	4.1	-1.7	-8.9	2.3	4264257	-9.8	
18	665.4	1436	0.8	5.4	-1.9	-8.4	2.7	4473825	-10	
18	665.7	1436.1	-0.4	4.1	-1.9	-9.9	2.9	4747733	-10.3	
18	666	1435.9	0.1	3.8	-1.9	-9.8	2.9	5069613	-10.3	
18	666.3	1435.8	-0.7	3.2	-1.6	-10.6	2.8	5438312	-9.9	
18	666.6	1435.8	-0.4	3	-1.6	-10.1	2.7	5848464	-9.3	
18	666.9	1435.7	-0.4	3.3	-1.4	-9.5	2.4	6194527	-8.7	
18	667.2	1435.4	-0.7	2.2	-1.4	-8.8	2.1	6422546	-8	
18	667.5	1435	-0.8	2.4	-1.6	-8.7	1.6	6482198	-7.5	
18	667.8	1434.7	-1.1	1.5	-1.5	-9.1	1.1	6363982	-6.7	
18	668.1	1434.2	-1.3	1	-1.5	-8.1	0.5	6158088	-6	
18	668.4	1433.9	-0.6	1.7	-1.2	-7.3	0.1	5897888	-5.7	
18	668.7	1433.7	0.2	2.4	-1.1	-5.8	-0.1	5643531	-5.9	
18	669	1433.9	0.9	3.1	-0.9	-6.4	0	5410207	-6.9	
18	669.3	1433.9	0.8	2.7	-0.8	-7.1	0	5182550	-7.6	
18	669.6	1433.9	0.3	1.6	-0.6	-8.5	-0.1	4997017	-8.3	
18	669.9	1434.1	1	2.9	-0.3	-8.2	-0.2	4869186	-9	
18	670.2	1434.1	1.8	3	-0.2	-8.2	-0.3	4769363	-9.8	
18	670.5	1434.2	2	2.3	0.1	-8.5	-0.2	4673549	-10.4	
18	670.8	1434	1.8	2.5	0.1	-9.2	-0.2	4551631	-10.8	
18	671.1	1433.9	0.8	1.7	-0.1	-10.7	-0.1	4435911	-11	
18	671.4	1433.8	1.3	2.4	-0.3	-10.7	-0.1	4352911	-11	
18	671.7	1433.8	1.1	1.7	-0.6	-10.6	0	4317011	-10.8	
18	672	1433.8	1.7	3	-1.1	-9.5	0.4	4343880	-10.4	
18	672.3	1434.3	1.3	1.7	-1.5	-9.9	1	4445329	-10	
18	672.6	1434.4	1.6	3.2	-1.8	-10	1.3	4652778	-9.8	
18	672.9	1434.4	1.4	2.4	-2.2	-10.5	1.7	5020984	-9.4	
18	673.2	1434.4	1.1	2.4	-2.3	-10.4	2	5658784	-9	
18	673.5	1434.4	0.8	1.9	-2.3	-10.3	2.2	6775890	-8.4	
18	673.8	1434.6	1.1	2.6	-2	-9.9	2.3	8797269	-8.1	
18	674.1	1434.9	0.9	2.3	-1.3	-10.1	2	13085938	-7.8	
18	674.4	1435.2	1.3	2.9	-0.6	-9.9	1.4		-7.7	
18	674.7	1435.5	1.4	3.1	0.1	-9.8	0.7		-7.7	
18	675	1435.7	1.8	3.5	0.7	-9.3	0		-7.8	
18	675.3	1435.6	3	4.4	1.1	-8.2	-0.6	-1.2E+07	-8.2	
18	675.6	1435.4	3.2	3.7	1.4	-8.2	-1.2	-8178711	-8.9	
18	675.9	1435.1	4.6	4.9	1.5	-7.2	-1.5	-6287538	-9.8	
18	676.2	1434.8	4.4	4.7	1.6	-8.1	-1.8	-5195410	-10.6	
18	676.5	1434.7	5.3	5.5	1.6	-7.4	-1.8	-4512393	-11.6	
18	676.8	1434.9	5.3	5.4	1.4	-8	-1.5	-4041989	-12.4	
18	677.1	1435.2	5.7	5.8	1.1	-7.6	-1	-3712323	-13	
18	677.4	1435.6	5	5	1	-8.2	-0.5	-3466474	-13	
18	677.7	1435.7	4.6	4.8	0.6	-8.4	-0.1	-3281740	-12.6	
18	678	1435.9	4	3.2	0.5	-8.4	0.2	-3139056	-12	
18	678.3	1435.7	3.2	3.6	0.2	-9.1	0.3	-3034421	-11.2	
18	678.6	1435.4	2.6	2.5	0	-8.2	0.4	-2953103	-9.9	
18	678.9	1434.9	1.3	2	-0.2	-8.6	0.4	-2883954	-8.6	
18	679.2	1434.8	0.4	0.8	-0.6	-7.5	0.6	-2817968	-7.2	
18	679.5	1434.6	-0.9	-0.5	-1	-8	0.7	-2754935	-6.1	
18	679.8	1434.6	-1.3	-0.6	-1.2	-7	0.7	-2698132	-5.2	
18	680.1	1434.7	-2.2	-1.4	-1.5	-6.5	0.9	-2643624	-4.3	
18	680.4	1434.9	-2.5	-1.4	-1.7	-6	1.1	-2594486	-3.8	
18	680.7	1435.2	-2.4	-1.1	-1.8	-5.1	1.5	-2547142	-3.6	
18	681	1435.1	-2.6	-2	-1.9	-5.6	1.6	-2501494	-3.7	
18	681.3	1434.8	-2.7	-2.9	-1.8	-5.1	1.4	-2454573	-3.7	
18	681.6	1434.8	-3.9	-4.8	-1.3	-6.6	1	-2406610	-4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	681.9	1434.7	-3.6	-4.4	-0.7	-5.8	0.3	-2360485	-4.4	
18	682.2	1434.6	-3.9	-4.2	0.1	-6.9	-0.6	-2305893	-5	
18	682.5	1434.9	-4.6	-5.6	1.4	-7.8	-1.7	-2239306	-5.7	
18	682.8	1435.1	-4.6	-6.4	2.4	-9	-2.9	-2165202	-6.3	
18	683.1	1435.3	-4.9	-6.9	3.4	-10.4	-4.1	-2081263	-7.1	
18	683.4	1435.4	-4.1	-5.9	4	-11.1	-5.2	-1990257	-8.1	
18	683.7	1435.5	-3.9	-4.7	4.8	-12.7	-6.1	-1898233	-9.2	
18	684	1435.5	-3	-4.3	5.1	-13.2	-6.7	-1809638	-10	
18	684.3	1435.5	-3.5	-4.6	5.2	-15.2	-6.9	-1728944	-10.6	
18	684.6	1435.5	-2.7	-4.4	5.2	-15.1	-6.9	-1661707	-11.3	
18	684.9	1435.8	-2.8	-4.1	5.2	-16.2	-6.6	-1605637	-12.2	
18	685.2	1436.2	-1.2	-2.8	5.2	-14.7	-6.2	-1560172	-12.9	
18	685.5	1436.9	-0.8	-2.2	5.4	-15.2	-5.6	-1521622	-13.4	
18	685.8	1438	0.5	-0.6	5.7	-14.8	-4.8	-1490215	-14	
18	686.1	1438.9	1.9	1.1	5.9	-13.8	-4.1	-1466213	-14.3	
18	686.4	1439.4	4.3	3.2	5.8	-12.5	-3.3	-1447961	-15	
18	686.7	1439.7	5.9	5	5.7	-10.9	-2.7	-1433095	-15.3	
18	687	1439.8	6.1	4.8	5.5	-11.3	-2.2	-1419493	-15.7	
18	687.3	1439.6	6.9	5.5	5.1	-10.4	-1.9	-1406146	-15.9	
18	687.6	1439.3	5.8	4	4.8	-11.9	-1.8	-1393048	-15.8	
18	687.9	1439	6.8	3.8	4.3	-10.6	-1.8	-1380192	-15.5	
18	688.2	1438.8	6.7	3.5	3.5	-10	-1.8	-1367571	-14.7	
18	688.5	1438.6	6.7	2.1	2.8	-9.4	-1.8	-1354303	-14	
18	688.8	1438.2	6.6	2.2	2.1	-9.2	-1.8	-1338716	-13	
18	689.1	1437.8	6.4	1.1	1.6	-8.6	-1.7	-1322648	-11.8	
18	689.4	1437.4	6	0.7	1.1	-7.1	-1.7	-1303706	-10.3	
18	689.7	1436.9	5.7	0	0.7	-6.1	-1.7	-1283723	-8.9	
18	690	1436.4	5	0	0.6	-4.8	-1.8	-1263580	-7.9	
18	690.3	1436.2	4.7	0.1	0.4	-4.1	-1.8	-1243321	-6.9	
18	690.6	1436.2	3.5	-0.5	0.5	-4.8	-1.7	-1223701	-5.9	
18	690.9	1436.2	2.3	-0.9	0.7	-5	-1.7	-1204691	-5	
18	691.2	1436.3	1.4	-1.2	1	-5.2	-1.7	-1188956	-4.6	
18	691.5	1436.2	0.4	-0.9	1.1	-6.4	-1.8	-1176927	-4.3	
18	691.8	1436.2	-0.4	-0.8	1.3	-6.4	-1.7	-1169041	-3.8	
18	692.1	1436.1	-1.2	-0.3	1.4	-7.2	-1.7	-1165138	-3.8	
18	692.4	1435.8	-2.1	-0.8	1.4	-7.6	-1.7	-1164490	-3.6	
18	692.7	1436.1	-3	-0.8	1.9	-10	-1.9	-1168389	-4.8	
18	693	1436	-1.8	0.7	2.1	-9.4	-2.2	-1176927	-5.9	
18	693.3	1435.7	-2	0.4	2.2	-9.9	-2.6	-1187608	-6.4	
18	693.6	1435.8	-2.6	0	2.3	-10.5	-2.9	-1198484	-6.9	
18	693.9	1435.9	-1.4	1.3	2.6	-9.7	-3.1	-1210261	-7.4	
18	694.2	1435.8	-1.5	2.4	2.6	-9.8	-3.4	-1222272	-7.8	
18	694.5	1435.9	-1.4	2.2	2.8	-10	-3.5	-1233070	-8.1	
18	694.8	1435.8	-1.2	2.7	2.9	-9.2	-3.7	-1242583	-8.3	
18	695.1	1436	-0.4	4.2	2.9	-8.4	-3.8	-1248510	-8.4	
18	695.4	1436	-0.2	4.4	3	-8.8	-4	-1250748	-8.5	
18	695.7	1436	0.6	5.5	3.2	-8.3	-4.1	-1250748	-8.6	
18	696	1436.5	0.6	4.7	3.3	-8	-3.8	-1247023	-9	
18	696.3	1436.6	1.4	5.3	3.1	-8.4	-3.6	-1241846	-9.4	
18	696.6	1436.9	1.3	4.3	3.2	-9.1	-3.3	-1235981	-10	
18	696.9	1437.1	2.3	5.8	3	-8	-2.9	-1229449	-10.3	
18	697.2	1437.4	1.5	4.2	3.1	-9.4	-2.4	-1222272	-10.5	
18	697.5	1437.7	2.1	4.9	2.8	-8.6	-1.9	-1215884	-10.8	
18	697.8	1438	2.1	3.3	2.7	-9.2	-1.5	-1211662	-11	
18	698.1	1438.2	2.7	3.5	2.5	-8.4	-1.2	-1210261	-11	
18	698.4	1438.3	1.7	1.2	2.4	-9.5	-1.2	-1210961	-10.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	698.7	1438.2	2.2	0.3	2.3	-8.4	-1.4	-1214473	-10.2	
18	699	1438.2	2.3	-2	2.1	-7.4	-1.5	-1220847	-9.6	
18	699.3	1438.1	1.3	-4.6	2.2	-8.4	-1.7	-1228728	-9.1	
18	699.6	1437.7	1.9	-4.2	1.8	-6.8	-1.8	-1238907	-8.4	
18	699.9	1437.6	0.2	-6.7	1.9	-8.4	-1.9	-1253744	-8	
18	700.2	1437.6	0.7	-5.1	1.6	-7.4	-1.8	-1272024	-7.5	
18	700.5	1437.7	-0.5	-7.3	1.4	-8.4	-1.6	-1294037	-7.2	
18	700.8	1437.8	0.4	-6.3	1.2	-6.3	-1.2	-1316825	-6.9	
18	701.1	1438	-0.7	-7.4	1.1	-7.6	-0.7	-1339573	-6.7	
18	701.4	1438.2	-1.1	-7.7	1.1	-8.4	-0.4	-1362233	-6.7	
18	701.7	1438.2	-1.1	-7.5	1	-7.6	-0.2	-1386591	-6.7	
18	702	1438.1	-1	-7	1.3	-8.6	-0.3	-1411835	-7	
18	702.3	1437.6	-0.9	-6.6	1.2	-7.5	-0.7	-1436044	-7.1	
18	702.6	1437.5	-0.8	-5.8	1.6	-8.3	-1.1	-1457030	-7.2	
18	702.9	1437.5	-1.2	-5.9	2	-8.5	-1.6	-1475512	-7.5	
18	703.2	1437.3	-2.1	-5.6	2.5	-10.2	-2.5	-1494469	-7.5	
18	703.5	1437.1	-1.9	-4.2	3.2	-10	-3.6	-1516113	-7.6	
18	703.8	1436.8	-1.2	-2.6	3.3	-9.2	-4.4	-1538392	-7.4	
18	704.1	1436.6	-1.8	-2.2	3.4	-10.5	-5	-1559011	-7.4	
18	704.4	1436.4	-0.6	-0.2	3.3	-9.4	-5.4	-1581383	-7.4	
18	704.7	1436.6	-1.2	0	3.9	-10.4	-5.6	-1601952	-7.6	
18	705	1436.5	0	2.1	4	-9.7	-5.8	-1626846	-7.8	
18	705.3	1436.5	0.1	3.1	4.3	-10.4	-5.9	-1656449	-8.1	
18	705.6	1436.8	0.7	2.5	4.4	-9.6	-5.6	-1696719	-8.7	
18	705.9	1437	1.7	3.7	4.6	-9.3	-5.3	-1743340	-9.5	
18	706.2	1437.6	2.2	4.8	4.9	-10.2	-4.8	-1791062	-10.6	
18	706.5	1438.3	3.7	5.1	5	-9.1	-4.1	-1844715	-11.7	
18	706.8	1438.8	3.8	5.3	5.2	-10.4	-3.6	-1905142	-12.8	
18	707.1	1439	4.2	5.6	4.8	-10.1	-3.2	-1969662	-13.5	
18	707.4	1439	4.6	5.8	4.3	-10.8	-2.8	-2026864	-14.2	
18	707.7	1438.8	6	6.4	3.7	-9.4	-2.4	-2073021	-14.7	
18	708	1438.6	5.2	5.4	3	-10.5	-2	-2112766	-14.9	
18	708.3	1438.3	4.9	4.3	2.4	-10.4	-1.7	-2147437	-14.9	
18	708.6	1438.1	4.8	4.2	1.6	-10.4	-1.3	-2197010	-14.5	
18	708.9	1438.2	4	2.6	1.1	-11.1	-0.9	-2273345	-13.9	
18	709.2	1438	3.5	2.2	0.6	-10.7	-0.6	-2376561	-13.1	
18	709.5	1438.2	2.7	0.4	0.3	-10.4	-0.3	-2516527	-12.4	
18	709.8	1438.5	2.4	0.9	0.1	-9.4	0.3	-2687741	-11.4	
18	710.1	1438.4	1.3	-0.8	-0.2	-10.2	0.6	-2928322	-10.6	
18	710.4	1438.4	0.9	-1.2	-0.4	-9.6	1	-3251165	-9.6	
18	710.7	1438.3	-0.8	-3.5	-0.4	-10.9	1.1	-3679702	-9.1	
18	711	1438	-0.7	-2.4	-0.3	-10.1	1	-4170817	-8.7	
18	711.3	1437.7	-1.4	-3.6	-0.3	-10	0.9	-4673549	-8.3	
18	711.6	1437.3	-1.6	-3.9	-0.3	-9.8	0.9	-5157020	-8.2	
18	711.9	1437.3	-2.8	-4.1	-0.2	-10.3	1	-5568484	-8.1	
18	712.2	1437.2	-3.9	-5.8	-0.1	-11.8	0.8	-5982143	-8.1	
18	712.5	1437.2	-4.3	-4.5	0.6	-12.4	0.4	-6363982	-8.1	
18	712.8	1437	-3.3	-4	1	-11	-0.1	-6646826	-8	
18	713.1	1436.8	-2.9	-2.4	1	-10.2	-0.4	-6887336	-8.1	
18	713.4	1436.5	-3.5	-3.9	1	-11	-0.6	-7269965	-8.1	
18	713.7	1436	-3.3	-2.6	0.7	-10.9	-0.9	-8052885	-8.2	
18	714	1435.4	-3.4	-2.3	0.6	-11.2	-1.3	-9305556	-8.1	
18	714.3	1434.9	-3.9	-2.8	0.2	-10.4	-1.5	-1.1E+07	-7.9	
18	714.6	1434.4	-2.9	-1.9	0	-8.9	-1.8	-1.5E+07	-8.1	
18	714.9	1433.9	-1.4	-0.5	-0.8	-6.6	-1.7		-8.2	
18	715.2	1433.9	-1.5	-0.7	-1	-8.2	-1.5		-8.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	715.5	1434.1	-0.7	0.5	-1.4	-7.8	-1		-8.8	
18	715.8	1434.3	-0.6	1.5	-1.3	-7.4	-0.8		-9.1	
18	716.1	1434.7	0.2	2.1	-0.9	-7.8	-0.6	14641608	-9.4	
18	716.4	1434.9	1.1	2.3	-0.9	-7	-0.2	10737180	-9.4	
18	716.7	1435	-0.1	1.7	-1	-7.7	0.3	8723959	-8.9	
18	717	1435.2	-0.4	0.2	-1.2	-7.8	0.7	7477679	-8.4	
18	717.3	1435.6	-1.8	-0.6	-0.5	-9.3	0.6	6646826	-7.9	
18	717.6	1435.8	-0.3	-0.3	-0.4	-7.9	0.4	6051301	-7	
18	717.9	1436.1	-0.6	-0.7	-0.6	-6.9	0.4	5643531	-5.9	
18	718.2	1436.3	-1.1	-1.8	-1.1	-7	0.4	5354860	-5.2	
18	718.5	1436.4	0.5	-1.2	-1.9	-5.3	1	5157020	-4.3	
18	718.8	1436.6	0.7	-1.5	-2.5	-5	1.8	5033053	-4.3	
18	719.1	1436.6	1.3	-2.4	-3.1	-4	2.5	4973278	-4.5	
18	719.4	1436.9	0.8	-3	-3.5	-4.4	3.2	4938090	-5	
18	719.7	1437	0.6	-3.6	-4.6	-3.9	3.5	4926471	-5.9	
18	720	1437.8	2.7	-1.9	-5	-3.1	4.5	4949764	-7.2	
18	720.3	1438.6	1.6	-4.4	-4.5	-5.6	5.3	4973278	-8.5	
18	720.6	1439.7	1.9	-3.3	-3.8	-6.3	5.9	4997017	-10	
18	720.9	1439.9	2.8	-2.1	-3	-8.2	5.5	4973278	-11.8	
18	721.2	1439.7	1.7	-3.1	-2.7	-9.2	4.7	4880536	-12.7	
18	721.5	1439.4	1.7	-2.3	-2.3	-8.5	3.8	4747733	-13.2	
18	721.8	1439.3	0.7	-2.8	-1.8	-11.2	2.8	4591557	-13.5	
18	722.1	1440.6	-1	-3.7	-0.1	-14.1	2.3	4426533	-13.5	aparato de via
18	722.4	1440.8	-2.4	-4.8	0.4	-15.6	1.4	4238361	-13.1	
18	722.7	1439.4	-2.1	-3.4	-0.4	-14.8	0.3	4049807	-12.4	
18	723	1438.8	-2.6	-3.5	-0.7	-14.5	-0.5	3848806	-12.2	
18	723.3	1438.4	-2.1	-1.3	-0.5	-13.7	-0.9	3666813	-11.2	
18	723.6	1438.7	-4.4	-3.7	-0.1	-14.6	-0.8	3501255	-10.6	
18	723.9	1439.2	-7.3	-5.9	0.9	-16.5	-0.9	3350000	-9.6	
18	724.2	1439.7	-3.9	-2.3	1.6	-12	-0.9	3206356	-9.1	
18	724.5	1439.9	-1.3	1.5	1.2	-7.9	-0.8	3079045	-8.1	
18	724.8	1440.3	-2.6	1.3	1.4	-7.7	-0.7	2948944	-7.6	
18	725.1	1440.4	-1	3.3	1.8	-6.2	-0.2	2840910	-7.1	
18	725.4	1440.3	-2.5	0.8	1.7	-7.1	0.1	2726238	-6.6	
18	725.7	1439.8	-2.1	0.8	1.2	-6.3	0.3	2633648	-5.9	
18	726	1439.5	-2.5	1	0.6	-5.6	0.4	2540959	-5.7	
18	726.3	1439	-2.6	0.7	-0.3	-3.6	0.4	2451699	-5.4	
18	726.6	1438.7	-2.7	0.7	-0.9	-5.7	0.4	2365820	-5.7	
18	726.9	1438.4	-2.1	1.8	-1.4	-6.1	0.4	2285754	-5.7	
18	727.2	1438.3	-2.6	0.3	-1.6	-6.2	0.3	2215609	-5.9	
18	727.5	1438.2	-1.7	-0.3	-1.8	-6.6	0.3	2149641	-6.3	
18	727.8	1438.1	-1.4	0.1	-1.7	-5.5	0.1	2083334	-6.7	
18	728.1	1438.3	-1.3	-0.6	-1.2	-5.6	0	2024904	-7.1	
18	728.4	1438.4	-0.9	-0.3	-0.9	-5.5	-0.2	1973375	-7.6	
18	728.7	1438.6	-1.5	-1.7	-0.4	-7.2	-0.3	1940455	-7.9	
18	729	1438.7	-1.5	-2.6	0.1	-7.3	-0.4	1935075	-8.5	
18	729.3	1438.8	-2	-1.9	0.3	-9.2	-0.3	1951306	-9.2	
18	729.6	1438.9	-2.1	-1.7	0.3	-9.5	-0.2	1999762	-9.9	
18	729.9	1438.9	-1.9	-0.1	0	-10.8	0.1	2073021	-10.8	
18	730.2	1439.2	-2.7	-2.4	0.1	-12.7	0.4	2192409	-11.5	
18	730.5	1439.2	-3.5	-2.9	-0.3	-13.3	0.8	2368496	-11.7	
18	730.8	1439.5	-3.5	-2.4	-0.6	-14.3	1.3	2613921	-12.2	
18	731.1	1439.5	-1.8	-2.3	-1.4	-13	1.8	2916087	-13.2	
18	731.4	1439.3	-2.6	-3.3	-2	-13.7	2.1	3271485	-13.2	
18	731.7	1439.2	-1.8	-3.1	-2.7	-13.3	2.4	3673246	-13.2	
18	732	1439.3	-2.4	-3.2	-3	-13	2.7	4065534	-12.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	732.3	1439.4	-2	-2.6	-3.1	-12.2	2.9	4435911	-12	
18	732.6	1439.2	-1.6	-4.3	-3.2	-10.6	2.7	4673549	-11.2	
18	732.9	1439.2	-2.5	-4.1	-3.1	-8.3	2.6	4694507	-9.7	
18	733.2	1439.3	-1.9	-3.8	-2.8	-8.7	2.3	4531927	-9.1	
18	733.5	1439.6	-2.5	-5.3	-2.3	-8.8	2.1	4264257	-7.7	
18	733.8	1439.8	-2.7	-4.4	-1.5	-7.4	1.8	3988096	-7	
18	734.1	1440.1	-1.4	-3.1	-0.6	-5.9	1.5	3705753	-6.7	
18	734.4	1440.3	-1.6	-2.3	0	-5.1	1.2	3449341	-6.6	
18	734.7	1440.4	-1.6	-0.6	0.5	-5.4	1.2	3236090	-6.4	
18	735	1440.3	-1.7	0.7	1.5	-5.5	1	3074523	-6.3	
18	735.3	1440.2	-4.3	-2.2	1.2	-6.9	1.6	2974077	-6.4	
18	735.6	1440	-1.1	1.5	0.7	-4.2	1.7	2916087	-6.7	
18	735.9	1440	-0.9	1.2	0.1	-3.7	2.1	2891920	-7.1	
18	736.2	1439.6	-1.9	2.5	-1.2	-4.1	2.4	2891920	-7.5	
18	736.5	1439.2	-2.7	4.6	0.9	-7.5	2.9	2903953	-8.1	
18	736.8	1438.8	-3.7	0.2	3.4	-8.2	3.4	2920154	-8.7	
18	737.1	1438.1	-3.2	-1.9	-0.7	-7.7	3.6	2944797	-9.3	
18	737.4	1436.5	-3.4	-0.8	-4.2	-9.2	3.5	2965652	-10.1	
18	737.7	1435.6	-5	-4	-5.6	-9.6	3.5	2982550	-10.7	
18	738	1436	-5.2	-2.7	-5.1	-12.4	3.3	2982550	-11.2	
18	738.3	1436.1	-6.2	-4.1	-4.9	-14.5	3.1	2974077	-11.4	
18	738.6	1437	-8	-5.5	-3.6	-15.5	2.8	2953103	-11.2	
18	738.9	1430.6	-5.2	-2.6	-9.2	-12.5	2.1	2924232	-11.1	
18	739.2	1423.7	-6.8	-4.1	-15.5	-13.3	1.6	2891920	-10.8	
18	739.5	1430.1	-8.1	-6	-7.9	-15.4	0.6	2864228	-11.1	
18	739.8	1434.2	-6.9	-4.3	-2.5	-14.7	-0.2	2840910	-10.9	
18	740.1	1435.2	-7.8	-6.1	-0.4	-14.4	-1	2829392	-10.6	
18	740.4	1435.6	-7	-5.6	0.2	-13.6	-1.8	2829392	-10.6	
18	740.7	1435.7	-5.3	-4	0.5	-10.9	-2.4	2844770	-10.5	
18	741	1436	-5.5	-4.6	0.5	-10.3	-2.8	2876031	-10.6	
18	741.3	1436.3	-5	-3.5	4.1	-11.6	-3.1	2928322	-10.8	
18	741.6	1436.3	-4.9	-3.4	7.4	-10.6	-3.2	2986805	-10.7	
18	741.9	1436.7	-4.4	-2.4	3.8	-8.9	-2.7	3061039	-10.4	
18	742.2	1437.2	-2.9	-0.8	1.5	-7.9	-2	3148497	-10.1	
18	742.5	1437.6	-3.1	-1.2	0.5	-7.3	-1	3241100	-9.7	
18	742.8	1438.4	-2.9	-0.2	0.1	-7.2	0.1	3318146	-9.3	
18	743.1	1439.1	-3.6	-0.1	0	-8.1	1.1	3387945	-8.7	
18	743.4	1439.7	-3.6	-0.1	-0.3	-8	2	3443668	-8.2	
18	743.7	1440.1	-3.3	-1.5	-0.4	-7.9	2.6	3495409	-7.7	
18	744	1440.6	-3.2	-0.6	-0.1	-7.3	3.1	3542725	-7.2	
18	744.3	1441.1	-3.8	-2	0.1	-7.5	3.3	3566866	-6.7	
18	744.6	1441.2	-3.4	-1	0.3	-8.4	3.2	3560800	-6.6	
18	744.9	1441	-3.2	-1.2	0.6	-8	2.7	3542725	-6.7	
18	745.2	1440.7	-3.1	-1.5	0.5	-8.2	2.1	3507119	-6.6	
18	745.5	1440.3	-3.1	-0.6	0.3	-7.6	1.5	3501255	-6.6	
18	745.8	1440	-2.1	-0.2	0.3	-7.6	0.9	3495409	-6.9	
18	746.1	1439.5	-1.2	1.3	0.1	-7.3	0.4	3501255	-7.2	
18	746.4	1439	-1.3	1.4	-0.1	-7.6	0.1	3507119	-7.4	
18	746.7	1438.7	-1.6	-0.2	-0.5	-7.8	0	3548729	-7.6	
18	747	1438.2	-0.3	1.3	-0.7	-7.2	-0.2	3634983	-7.9	
18	747.3	1437.9	-0.7	0.9	-0.7	-7.7	-0.2	3772523	-8	
18	747.6	1437.7	-0.1	1.6	-0.9	-7.5	-0.1	3943032	-8.1	
18	747.9	1437.9	-0.6	3.7	-0.7	-8.3	0.1	4146040	-8.4	
18	748.2	1438	0.7	1.8	-0.5	-8	0.2	4361980	-8.9	
18	748.5	1437.8	1.1	2	-0.6	-8.6	0.3	4581510	-9.1	
18	748.8	1437.5	1.1	3	-0.6	-8.2	0.4	4791190	-9.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	749.1	1437.2	1	3.7	-0.8	-8.2	0.4	4938090	-9	
18	749.4	1436.9	1.3	5	-0.7	-8.4	0.4	5008972	-9	
18	749.7	1436.6	1.3	4.5	-0.8	-8.5	0.4	4926471	-9	
18	750	1436.6	1.6	5	-0.7	-7.9	0.4	4736991	-9	
18	750.3	1436.6	1.6	6.6	-0.9	-8	0.4	4473825	-9.1	
18	750.6	1436.6	1.8	7	-0.9	-8.2	0.4	4170817	-9.1	
18	750.9	1436.7	2.3	8.5	-0.8	-7.7	0.5	3884509	-8.9	
18	751.2	1436.4	1.8	9.8	-0.9	-8	0.5	3622405	-8.8	
18	751.5	1436.4	2.1	7.3	-0.8	-7.8	0.7	3393436	-8.7	
18	751.8	1436.3	1.6	8.4	-0.6	-8.1	0.7	3201453	-8.6	
18	752.1	1436.1	2.2	10.3	-0.8	-7.7	0.8	3056570	-8.5	
18	752.4	1436.1	1	7.9	-1	-8.7	1	2965652	-8.3	
18	752.7	1436.2	1.7	9.5	-1.1	-7.7	1.2	2920154	-8.3	
18	753	1436.2	1	8	-1.3	-8.3	1.3	2928322	-8.3	
18	753.3	1436.1	1.1	6.4	-1.6	-8.6	1.3	2982550	-8.3	
18	753.6	1436	0.9	6.4	-1.7	-8.8	1.2	3079045	-8.3	
18	753.9	1435.8	1.3	6.3	-2	-8.6	1	3211273	-8.5	
18	754.2	1435.6	1	5.9	-2.4	-8.7	1.1	3387945	-8.3	
18	754.5	1435.7	1.5	5.9	-2.5	-8.5	1.3	3622405	-8.5	
18	754.8	1435.5	1.2	4.1	-2.7	-8.7	1.5	3898976	-8.5	
18	755.1	1435.6	0.6	3.7	-2.6	-9.6	1.6	4195892	-8.6	
18	755.4	1435.8	0.2	3.1	-2.5	-9.2	1.7	4493026	-8.2	
18	755.7	1436.2	0.4	4	-2.1	-9	1.8	4769363	-8.3	
18	756	1436.5	1	4.6	-1.8	-8.9	2	5033053	-8.3	
18	756.3	1437.3	0.6	3.9	-1.1	-9.2	2.3	5273930	-8.4	
18	756.6	1437.5	1.2	4.4	-0.7	-8.9	2.2	5495407	-8.5	
18	756.9	1437.7	0.8	4.6	-0.5	-9.9	2	5674120	-8.7	
18	757.2	1437.4	1.8	5.2	-0.3	-9.1	1.5	5767907	-9	
18	757.5	1437.1	1.6	4.8	-0.4	-9.5	1.1	5799862	-9.2	
18	757.8	1437.1	1.5	4.6	-0.4	-9	0.9	5783840	-9.3	
18	758.1	1436.9	1.2	4.3	-0.7	-9.4	0.8	5752061	-9.2	
18	758.4	1436.7	2.2	4.3	-1	-9	0.8	5674120	-9.5	
18	758.7	1436.5	1.5	2.7	-1.6	-9.4	0.8	5568484	-9.3	
18	759	1436.5	2.2	3.5	-1.7	-9.2	0.8	5438312	-9.6	
18	759.3	1436.6	2.5	4.1	-1.8	-8.6	1	5314087	-9.5	
18	759.6	1436.9	2.6	2.9	-1.6	-8.9	1.3	5221322	-9.7	
18	759.9	1437.1	3.1	3.8	-1.2	-7.8	1.5	5182550	-9.8	
18	760.2	1437.3	2.2	2.3	-1	-8.7	1.6	5208334	-9.7	
18	760.5	1437.4	2.4	3	-0.6	-8.5	1.6	5287248	-10.2	
18	760.8	1437.2	2.4	1.7	-0.3	-9.2	1.3	5396263	-10.4	
18	761.1	1437.3	2.6	1.5	0.2	-8.9	1.1	5524407	-10.8	
18	761.4	1437.3	2.5	1.4	0.5	-9.8	0.8	5674120	-10.9	
18	761.7	1437.1	2.3	1.3	0.5	-9.8	0.5	5815972	-10.8	
18	762	1437	1.8	0.5	0.6	-10.6	0.4	5864846	-10.6	
18	762.3	1436.6	0.6	-0.7	0.6	-11.4	0.1	5783840	-10.3	
18	762.6	1436.3	0.9	-0.7	0.4	-10.5	0.1	5613271	-9.9	
18	762.9	1435.9	0.2	-1.4	0.3	-10.6	-0.1	5368590	-9.3	
18	763.2	1435.6	0.3	-1.5	0.1	-10.3	-0.2	5081918	-8.9	
18	763.5	1435.5	-0.1	-2.4	0	-10.3	-0.2	4802179	-8.6	
18	763.8	1435.5	0.5	-1.3	-0.1	-9.5	-0.2	4531927	-8.5	
18	764.1	1435.5	0.1	-2	0	-10.2	-0.3	4264257	-8.8	
18	764.4	1435	1	-0.6	-0.2	-9.5	-0.7	4041989	-9	
18	764.7	1434.7	0.4	-1.8	-0.1	-9.4	-0.9	3877315	-9.1	
18	765	1434.3	0.9	-0.1	-0.1	-9.2	-1.1	3772523	-9.3	
18	765.3	1434.1	0.7	-1	0.1	-9.2	-1.2	3725534	-9.6	
18	765.6	1434.2	1	0	0.4	-9.2	-1.2	3725534	-10	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	765.9	1434.2	0.6	-0.5	0.7	-9.6	-1.4	3772523	-10.1	
18	766.2	1434.4	0.5	-0.4	1	-9.8	-1.5	3863008	-10.2	
18	766.5	1434.5	0.8	-0.5	1	-9.6	-1.5	4018714	-10.3	
18	766.8	1434.8	1.2	0.2	1.2	-9.5	-1.2	4212777	-10.3	
18	767.1	1434.9	0.8	-0.7	0.9	-9.8	-0.8	4435911	-10.3	
18	767.4	1434.8	0.6	-0.6	0.4	-10.1	-0.4	4632191	-10.1	
18	767.7	1434.5	0.4	-0.2	-0.3	-10.2	0	4758523	-9.9	
18	768	1434.4	0	-0.2	-0.8	-10.8	0.3	4813219	-9.7	
18	768.3	1434.3	0.2	-0.2	-1.2	-9.8	0.7	4791190	-9.6	
18	768.6	1434.3	-0.4	-1.4	-1.6	-10.7	1	4705057	-9.3	
18	768.9	1434.5	0	-0.6	-1.6	-9.5	1.3	4581510	-9.5	
18	769.2	1434.6	-0.2	-1.4	-1.8	-10.6	1.3	4454788	-9.5	
18	769.5	1434.9	0.1	-0.7	-1.7	-10.2	1.1	4343880	-9.8	
18	769.8	1435.3	0.3	-1.5	-1.2	-10.4	0.7	4272960	-10	
18	770.1	1435.6	0.7	-0.9	-0.6	-9.6	0.2	4246958	-10.1	
18	770.4	1435.5	1.1	-0.4	-0.5	-9.4	-0.2	4281698	-10.1	
18	770.7	1435.5	0.1	-1.1	-0.2	-10.6	-0.4	4389413	-10.1	
18	771	1435.4	1.5	-0.7	-0.2	-8.8	-0.4	4551631	-10.2	
18	771.3	1435.2	-0.9	-2.4	-0.2	-10.7	-0.5	4769363	-9.1	
18	771.6	1435.4	0.7	-1.5	-0.3	-8.7	-0.2	5008972	-8.7	
18	771.9	1436	0.2	-2.3	-0.3	-8.8	0.4	5260679	-7.9	
18	772.2	1436.9	0.9	-1.7	-0.3	-7.3	1.3	5539021	-7.3	
18	772.5	1437.5	-0.1	-3.2	-0.6	-6.9	2.1	5799862	-5.9	
18	772.8	1438	0.7	-1.5	-0.7	-6.6	2.9	6068841	-5.2	
18	773.1	1438	0.9	-1.5	-1.3	-5.6	3.5	6268713	-4.6	
18	773.4	1437.6	0.5	-1.9	-1.7	-6.3	3.7	6363982	-4.3	
18	773.7	1437.2	1.4	-1.2	-2	-4	3.8	6306476	-4.6	
18	774	1437.2	1.6	-0.9	-1.9	-5.3	3.9	6140030	-5.5	
18	774.3	1436.9	2	-0.3	-2.1	-5.6	3.8	5897888	-6.7	
18	774.6	1436.4	1.5	-0.3	-2.4	-6.9	3.5	5568484	-7.2	
18	774.9	1436.3	1.1	0.5	-2	-8.1	3	5221322	-8.9	
18	775.2	1436.2	3.2	2.3	-1.7	-7.5	2.3	4880536	-10.3	
18	775.5	1436.2	3.6	3.4	-1.4	-8.1	1.7	4551631	-11.6	
18	775.8	1435.9	3.5	3.2	-1.2	-8.7	1.1	4272960	-12.5	
18	776.1	1435.6	2.5	2.6	-1.2	-10.7	0.7	4034201	-13.2	
18	776.4	1435.1	2.2	1.7	-1.5	-11	0.2	3841744	-13.7	
18	776.7	1434.3	1.7	1.6	-2	-11.8	-0.2	3673246	-14	
18	777	1433.7	1.5	0.5	-2.2	-11.7	-0.5	3536740	-14.1	
18	777.3	1433.1	0.7	0.3	-2.8	-11.5	-0.5	3443668	-13.7	
18	777.6	1433.2	0	-0.9	-2.9	-12.5	-0.1	3382472	-13.2	
18	777.9	1433.7	-0.6	-1.3	-2.9	-12.2	0.4	3344649	-12.3	
18	778.2	1434.3	-1.1	-2.1	-2.5	-12.2	1	3333997	-11.4	
18	778.5	1434.9	-1.4	-2	-2.2	-10.8	1.6	3350000	-10.4	
18	778.8	1435.5	-2.6	-3.1	-1.6	-10.4	2	3371579	-9.2	
18	779.1	1436	-3	-3.8	-0.7	-9.5	2.1	3404472	-7.8	
18	779.4	1436.4	-3.4	-4.6	0.1	-8.3	2.2	3432378	-6.1	
18	779.7	1436.4	-4.1	-4.9	0.6	-7.2	2.1	3438014	-4.6	
18	780	1436.3	-4.5	-5.1	0.9	-6.4	1.8	3410017	-3.5	
18	780.3	1436.3	-5	-5.4	1.3	-6.2	1.2	3350000	-3	
18	780.6	1435.8	-4	-4	1.4	-5	0.4		-2.8	
18	780.9	1435.3	-4.6	-4.8	1.5	-5	-0.4		-2.7	
18	781.2	1435.1	-5	-4.6	1.6	-5.6	-1		-2.8	
18	781.5	1434.9	-4.3	-4.3	1.2	-4.3	-1.3		-3	
18	781.8	1434.5	-3.8	-3.6	0.7	-4.6	-1.5		-3.5	
18	782.1	1434.2	-3.6	-3.7	0.6	-5.2	-1.6		-4.5	
18	782.4	1434.1	-3.2	-3.5	0.5	-5.5	-1.6		-5.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	782.7	1433.9	-3	-3.7	0.2	-6.7	-1.5		-6.7	
18	783	1433.6	-2.6	-3.7	-0.2	-7.7	-1.2		-7.4	
18	783.3	1433.5	-3.3	-3.4	-0.4	-9.2	-0.7		-8.4	
18	783.6	1433.5	-1.9	-3.4	-1	-8.8	0.1		-9.4	
18	783.9	1434	-3	-2.1	-0.8	-10.8	0.7		-10	
18	784.2	1434.2	-2.1	-2.8	-0.9	-10.8	1.1		-10.5	
18	784.5	1434.1	-1.8	-2	-1.1	-10.9	1.4		-10.8	
18	784.8	1434.1	-1.9	-2.8	-1.3	-11.1	1.6		-11.1	
18	785.1	1434.1	-1	-0.9	-1.2	-11.1	1.7		-11.6	
18	785.4	1434.1	-0.5	-1.2	-1.5	-10.5	1.9		-12	
18	785.7	1433.9	-0.3	-1.2	-1.5	-10.2	1.8		-12.2	
18	786	1433.7	0	-0.5	-1.4	-10	1.5		-12.3	
18	786.3	1433.3	-0.1	-1.5	-1.6	-9.9	1.1		-12.2	
18	786.6	1433.4	0.2	-1.4	-1.6	-8.9	1		-11.9	
18	786.9	1433.5	0.1	-1.9	-1.5	-8.9	1		-11.6	
18	787.2	1433.5	-0.6	-2.1	-1.3	-9.2	0.8		-11.4	
18	787.5	1433.4	0	-1.1	-1.2	-8.7	0.7		-11	
18	787.8	1433.8	-1.4	-4.6	-0.8	-9	0.7		-10.4	
18	788.1	1433.7	-1.3	-4.9			0.5		-9.5	
18	788.4	1433.6	-2.7	-6.2			0.4		-8.8	
18	788.7	1433.6	-1.9	-4.4			0.6		-8.3	
18	789	1433.8	-3.5	-5.7			0.7		-7.8	
18	789.3	1433.8	-3.5	-5.2			0.8		-7.2	
18	789.6	1433.9	-3.8	-5.3			1		-6.7	
18	789.9	1433.6	-3.6	-4.3			1.2		-6.4	
18	790.2	1433.7	-5	-5			1.3		-6.6	

Perfil	STE Metro CDMX
Lugar Inicial	18km 947.317m
PK Final	20km 873.617m
Sentido De Avance	Incremento
Referencias Trabajo	VIA 1
ID Ruta/Liena	Atlalilco Mexicaltzingo
ID Vía	Via Principal
Hora Inicial	12:05:22 09-dic.-21
Hora Final	12:34:23 09-dic.-21
Versión Software	TOP01S020r0010(74)
Unid. Desplazamiento	Milímetros
Unidad Longitud	Milímetros
Unidad de ángulo	Grados
ID Perfil	L12
Signo del Peralte	Sentido horario
Intervalo adquisición	300.0mm (300.0mm)
Nivel. I superpuesto 1	12600.0mm
Nivel. I superpuesto 2	19000.0mm
Base Radio Derecho	20.0m (20.1m)
Base Radio Curv.Prom D	20.0m
Base Áng.Curv. Prom. D	20.0m
Áng.Curv.Cuerda Der	20.0m
Nivel. D superpuesto 1	20.0m
Nivel. D superpuesto 2	20.0m
Temp. Sistema Inicial	20.3°C
Temp. Sistema final	20.0°C
Ancho Referencia	1435.0mm
Ancho Refcia. Peralte	1500.0mm
Long. Cuerda Delantera	2500.0mm (2400.0mm)
Long. cuerda trasera	2500.0mm (2400.0mm)
Temperatura Nivelación	20.1°C

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	947.617	1435	-0.8				-1.1		0.2	
18	947.917	1434.9	-0.8				-0.9		-0.5	
18	948.217	1434.8	-1				-0.6		-0.8	
18	948.517	1434.7	-0.4				-0.1		-1.2	
18	948.817	1434.7	-0.9				0.4		-1.2	
18	949.117	1434.6	-1.1				0.8		-1	
18	949.417	1434.2	-1.3				1		-0.3	
18	949.717	1434	-1.3				1.3		0.3	
18	950.017	1433.8	-1.8		-1.5	0.5	1.4		1	
18	950.317	1433.7	-2.1		-1.3	0.6	1.3		1.8	
18	950.617	1433.9	-2		-1.1	1.2	1.3		2.2	
18	950.917	1433.6	-2.4		-1.1	0.7	1		2.6	
18	951.217	1433.3	-2.6		-1.2	1.3	0.7		3	
18	951.517	1433.1	-2.5		-1.1	1.6	0.4		3.2	
18	951.817	1433.2	-2.2		-0.8	1.8	0.3		3	
18	952.117	1433	-2.1		-0.5	2	0		2.9	
18	952.417	1432.8	-1.7		-0.4	2.2	-0.2		2.6	
18	952.717	1432.6	-1		-0.2	2.7	-0.5		2.2	
18	953.017	1432.6	-1.1		-0.1	2.3	-0.7		1.8	
18	953.317	1432.8	-0.7		0.4	2.8	-0.8		1.4	
18	953.617	1432.9	-0.9		0.8	2.3	-1.1		1.1	
18	953.917	1433	-0.8		1.2	2.2	-1.4		0.8	
18	954.217	1433.1	-0.8		1.5	2	-1.7		0.5	
18	954.517	1433	-1.1		1.7	1.7	-1.9		0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	954.817	1433	-0.8		1.8	1.7	-1.9		0.1	
18	955.117	1432.9	-1		1.6	1	-1.7		-0.3	
18	955.417	1432.9	-1.2		1.7	0.4	-1.5		-0.7	
18	955.717	1432.9	-1.8		1.4	-0.3	-1.3		-0.8	
18	956.017	1433.1	-1.6		1.2	0	-1.1		-1	
18	956.317	1433.3	-1.8		1	-0.2	-0.8		-1	
18	956.617	1433.4	-2.4		0.6	-0.2	-0.5		-0.9	
18	956.917	1433.5	-2.8		0.4	0	-0.3		-0.6	
18	957.217	1433.4	-3.1		0.1	0.5	-0.2		-0.2	
18	957.517	1433.3	-3.6		-0.1	1	0	5752061	0.2	
18	957.817	1432.9	-3.6		-0.5	1.8	-0.1	5157020	0.7	
18	958.117	1432.8	-3.9		-0.5	2.7	-0.2	4736991	1.3	
18	958.417	1433.1	-4.3		-0.6	2.8	0.1	4417194	1.7	
18	958.717	1433.2	-4.5		-0.7	3	0.2	4187500	2.1	
18	959.017	1433.5	-5.5		-0.5	3.3	0.3	4026443	2.5	
18	959.317	1433.8	-5.7		-0.4	3.6	0.5	3906250	2.7	
18	959.617	1434	-6.9		-0.4	3	0.7	3799910	2.8	
18	959.917	1434	-7.8		-0.4	2.7	0.8	3712323	2.9	
18	960.217	1434.1	-8.2	-7.4	-0.3	2.4	1.1	3616149	2.7	
18	960.517	1434.1	-8.8	-8	-0.3	2	1.4	3483777	2.4	
18	960.817	1434	-9.1	-8.1	-0.5	1.9	1.4	3318146	2	
18	961.117	1434	-8.9	-8.5	-0.6	2.2	1.6	3125001	1.5	
18	961.417	1434.1	-10.2	-9.3	-0.7	1.2	1.7	2920154	1	
18	961.717	1434	-10.3	-9.2	-1	0.9	1.6	2715630	0.5	
18	962.017	1433.9	-11.2	-9.9	-1.2	0.5	1.5	2525634	0	
18	962.317	1433.8	-11.6	-10.3	-1.2	0.8	1.4	2344626	-0.4	
18	962.617	1433.7	-12.2	-10.4	-1.3	0.2	1.3	2185544	-0.8	
18	962.917	1433.2	-13	-10.9	-1.8	-0.1	1.1	2042684	-1	
18	963.217	1433.1	-13.8	-11.8	-2	-0.4	1.2	1915600	-1	
18	963.517	1432.8	-14.7	-12.3	-2.2	-1	1.1	1804958	-0.7	
18	963.817	1432.8	-15.3	-12.7	-2.3	-0.3	1.1	1706399	-0.4	
18	964.117	1432.9	-15.8	-13.3	-2.4	-0.1	1.4	1615549	-0.1	
18	964.417	1433.1	-16.5	-14.3	-2.4	0.1	1.7	1531640	0.2	
18	964.717	1433.2	-17.7	-15.6	-2.4	-0.4	1.9	1456016	0.6	
18	965.017	1433.4	-18.2	-16.5	-2.4	0.3	2	1388430	0.9	
18	965.317	1433.6	-19	-18	-2.2	0.8	2.2	1328523	1.2	
18	965.617	1433.8	-19.7	-18.6	-1.8	0.8	2.3	1275900	1.4	
18	965.917	1433.8	-20	-19.3	-1.5	1.9	2.3	1230172	1.8	
18	966.217	1433.8	-20.6	-19.7	-1.4	2.2	2.4	1189632	2.2	
18	966.517	1433.9	-21.4	-20.6	-1.3	2.4	2.5	1153583	2.6	
18	966.817	1433.8	-21.6	-20.8	-1.5	2.9	2.6	1121453	3	
18	967.117	1433.7	-21.8	-20.7	-1.7	3.8	2.7	1092203	3.2	
18	967.417	1434	-23	-22.2	-1.9	3.3	3	1064440	3.4	
18	967.717	1434	-24.1	-23.1	-2.2	2.7	3.1	1039083	3.6	
18	968.017	1433.5	-24.5	-23.3	-2.6	2.6	2.7	1013924	3.4	
18	968.317	1433.2	-25.5	-23.7	-3.1	2	2.6	988552	3.1	
18	968.617	1432.8	-26	-24.4	-3.4	1.7	2.5	964863	2.7	
18	968.917	1432.5	-26.6	-24.8	-3.6	1.6	2.4	942283	2.3	
18	969.217	1432.4	-26.6	-24.2	-3.6	1.7	2.4	921141	1.9	
18	969.517	1432.3	-27	-24.2	-3.8	1.3	2.5	901703	1.5	
18	969.817	1432.4	-27.6	-24.5	-3.9	1.2	2.6	884187	1.1	
18	970.117	1432.6	-27.4	-23.8	-3.9	2.3	2.9	868057	1.1	
18	970.417	1433	-27.8	-24.2	-3.8	2.2	3.5	853549	1	
18	970.717	1433.5	-28.7	-24.8	-4.1	1.8	4.3	840528	0.8	
18	971.017	1433.7	-29.5	-25.2	-4.4	1.4	4.9	828554	0.9	
18	971.317	1433.6	-30.5	-26	-4.9	1.5	5.4	817554	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	971.617	1433.5	-31.2	-25.7	-5.5	0.9	5.8	807464	1.2	
18	971.917	1433.4	-31.9	-26.2	-5.9	0.7	6.1	797014	1.2	
18	972.217	1433.4	-32.5	-25.6	-6.4	0.7	6.4	785944	1.2	
18	972.517	1433.2	-33.1	-25.3	-6.6	0.8	6.3	774604	1.4	
18	972.817	1433.2	-33.5	-25.3	-6.7	1	6.2	762475	1.5	
18	973.117	1433.4	-34	-25.2	-6.5	1.4	6.1	749108	1.5	
18	973.417	1433.5	-33.9	-24.8	-6.2	1.9	5.9	735425	1.3	
18	973.717	1433.6	-35.1	-26.2	-5.6	1.7	5.6	720990	1.3	
18	974.017	1433.9	-35.3	-25.1	-5.3	2.1	5.5	705681	1.2	
18	974.317	1434.2	-35.7	-25.4	-5	2.2	5.4	690325	1.1	
18	974.617	1434.3	-36.4	-25.2	-4.8	1.9	5.2	675406	1	
18	974.917	1434.3	-37.5	-25.9	-4.7	1.8	5.1	660700	1.1	
18	975.217	1434.3	-38.3	-26.1	-4.7	1.5	5.1	646222	1.2	
18	975.517	1434.1	-39	-26	-5	1.3	5	632555	1.3	
18	975.817	1433.9	-39.5	-25.7	-5.1	1	4.8	619822	1.3	
18	976.117	1433.7	-40.6	-25.9	-5.2	1.2	4.7	607767	1.6	
18	976.417	1433.9	-41.2	-25.9	-5.2	1.2	4.7	596853	1.7	
18	976.717	1434.2	-41.7	-25.9	-5.1	1.1	4.7	587310	1.8	
18	977.017	1434.4	-42.2	-25.7	-4.9	1.5	4.7	579026	1.9	
18	977.317	1434.6	-43.3	-25.6	-4.8	1.4	4.8	572066	2	
18	977.617	1434.7	-43.7	-25.5	-4.6	1.9	4.8	566494	2.2	
18	977.917	1434.8	-43.9	-24.9	-4.3	2.3	4.9	561631	2.3	
18	978.217	1434.9	-44.6	-24.9	-4.2	2.1	5.1	556407	2.2	
18	978.517	1434.9	-45.4	-25.4	-4.1	2.3	5.3	551425	2.2	
18	978.817	1435	-46.1	-25.5	-4.1	2.2	5.4	546389	2.2	
18	979.117	1435	-46.4	-25	-4.3	2.3	5.4	541163	2.1	
18	979.417	1435	-47.3	-25.7	-4.6	1.7	5.4	535626	2	
18	979.717	1434.8	-47.8	-26	-5	2.2	5.3	529664	1.9	
18	980.017	1434.6	-48.5	-25.5	-5.3	2.1	5.2	522918	2	
18	980.317	1434.4	-48.8	-24.7	-5.9	2.1	5.2	515959	1.9	
18	980.617	1434.1	-49.6	-25.1	-6.4	1.8	5.2	509060	1.9	
18	980.917	1433.8	-50.4	-24.9	-6.6	1.7	5	502584	2	
18	981.217	1433.5	-51.1	-25.1	-7	1.7	5	496270	2	
18	981.517	1433.6	-51.5	-24.9	-6.9	1.8	4.9	489655	2	
18	981.817	1433.9	-51.8	-25.2	-6.7	1.9	5	483102	1.9	
18	982.117	1434.3	-53	-26	-6.4	1.5	5.2	476939	2	
18	982.417	1434.7	-53.5	-25.9	-6	1.4	5.3	471250	1.9	
18	982.717	1435.3	-54.1	-26.7	-5.5	1.3	5.6	465799	1.9	
18	983.017	1435.7	-54.5	-26.7	-5.2	1.8	6	460674	1.9	
18	983.317	1435.9	-54.9	-26.2	-5	1.8	6.4	455761	1.8	
18	983.617	1436	-55.5	-26	-4.9	1.7	6.8	451048	1.7	
18	983.917	1436.1	-56.2	-25.7	-5.1	1.6	7.4	446623	1.6	
18	984.217	1436.1	-56.4	-25.2	-5.5	1.7	8	442750	1.5	
18	984.517	1436.1	-57.3	-25.4	-5.9	1.7	8.4	439221	1.4	
18	984.817	1436.1	-57.5	-25	-6.4	1.8	8.8	435748	1.3	
18	985.117	1436.1	-58.3	-25.2	-7.1	1.4	9.1	432418	1.2	
18	985.417	1435.7	-59.1	-25.6	-7.8	1	9.2	429051	1.1	
18	985.717	1435.2	-59.3	-25.3	-8.5	1.5	9.1	425649	1.1	
18	986.017	1434.7	-60	-26.1	-8.9	1.4	9	422046	1.1	
18	986.317	1434	-60.9	-25.8	-9.4	0.9	8.7	418252	1	
18	986.617	1433.4	-61.3	-26	-9.4	0.9	8.2	414198	0.9	
18	986.917	1433	-62.2	-26.5	-9.4	1	7.7	410061	1	
18	987.217	1432.8	-62.5	-26.1	-9	0.9	7.1	405691	0.9	
18	987.517	1432.8	-62.9	-25.4	-8.5	1	6.6	401105	0.8	
18	987.817	1432.9	-63.5	-25.2	-7.7	1.4	6.3	396322	0.9	
18	988.117	1433.2	-64.6	-25.6	-7	0.9	6.2	391432	1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
18	988.417	1433.1	-65	-25.5	-6.5	1.2	6	386519	1.2	
18	988.717	1433.2	-65.4	-24.8	-6	1.4	6	381727	1.2	
18	989.017	1433.2	-66.3	-25.1	-5.8	1.4	6.1	376985	1.3	
18	989.317	1433.3	-67.1	-25.4	-5.8	1.7	6.4	372226	1.7	
18	989.617	1433.3	-67.4	-25.2	-6.3	2.1	6.9	367522	2	
18	989.917	1433.3	-68	-24.7	-7.1	2	7.7	362810	2.2	
18	990.217	1433	-68.8	-25.1	-8	2.1	8.3	358094	2.5	
18	990.517	1432.8	-69.7	-25.8	-9.2	2.4	9	353499	2.9	
18	990.817	1432.5	-70.1	-25.5	-10.2	2.5	9.6	348963	3.1	
18	991.117	1432.3	-70.4	-25	-11	2.5	10.2	344258	3.1	
18	991.417	1432.4	-71.5	-25.4	-11.8	2.4	11.1	339568	3.1	
18	991.717	1432.5	-72	-25.6	-12.2	1.9	11.6	334844	2.8	
18	992.017	1432.6	-72.5	-25.2	-12.1	1.4	11.7	330249	2.3	
18	992.317	1432.6	-72.8	-25	-12.2	1.3	11.7	325830	1.8	
18	992.617	1432.6	-73.4	-24.9	-11.8	0.9	11.5	321625	1.3	
18	992.917	1432.8	-73.9	-25.1	-11.3	1	11.2	317769	1	
18	993.217	1433	-74.1	-24.5	-11	0.9	11	314240	0.7	
18	993.517	1433	-74.2	-23.8	-10.7	0.7	10.7	311158	0.3	
18	993.817	1432.9	-75.3	-24.2	-10.3	0.1	10.2	308499	0	
18	994.117	1432.8	-75.1	-23.6	-9.9	0.9	9.6	306378	-0.2	
18	994.417	1432.6	-75.9	-24.1	-9.7	0.6	9.2	304728	-0.2	
18	994.717	1432.8	-76.6	-23.6	-9.5	0.2	9	303403	-0.2	
18	995.017	1432.9	-77.1	-23.6	-9.4	0.6	8.8	302352	0.1	
18	995.317	1433	-78	-23.9	-9.8	0.7	8.9	301481	0.4	
18	995.617	1433.4	-78.4	-23.9	-9.7	0.6	8.9	300745	0.6	
18	995.917	1433.6	-78.8	-23.9	-9.7	0.7	9	299969	0.7	
18	996.217	1433.6	-79.4	-23.9	-9.9	1.4	9.2	299112	1	
18	996.517	1433.7	-80.3	-24.1	-10.3	0.8	9.6	298048	1.2	
18	996.817	1433.7	-80.9	-24.5	-10.3	1.3	9.8	296612	1.4	
18	997.117	1434	-81.1	-23.8	-10.5	1.7	10.2	294775	1.4	
18	997.417	1434.4	-81.9	-24.4	-10.6	1.6	10.7	292510	1.4	
18	997.717	1435	-82.7	-24.4	-10.3	1.6	11.1	289878	1.4	
18	998.017	1435.4	-82.8	-23.7	-10.5	2	11.5	286899	1.3	
18	998.317	1435.7	-83.4	-24.1	-10.8	1.7	11.9	283711	1.1	
18	998.617	1435.8	-84.3	-24.3	-10.9	1.3	12.1	280331	0.9	
18	998.917	1435.9	-84.7	-23.8	-11.1	1.5	12.3	276883	0.8	
18	999.217	1435.8	-85.8	-24.5	-11.6	1	12.5	273448	0.6	
18	999.517	1435.8	-86.2	-24	-11.8	0.8	12.6	270202	0.4	
18	999.817	1435.7	-87	-24.5	-12.3	0.8	12.7	267270	0.3	
19	0.117	1435.5	-87.8	-24.9	-12.8	1	12.8	264803	0.5	
19	0.417	1435.5	-88.5	-25	-12.9	0.5	12.8	262776	0.5	
19	0.717	1435.6	-89.2	-24.6	-13	1.1	12.9	261235	0.8	
19	1.017	1435.7	-90	-25	-13.1	1.3	13.2	260131	1.1	
19	1.317	1435.8	-90.5	-25.1	-13.2	1.7	13.4	259455	1.4	
19	1.617	1436.1	-91.5	-25.2	-12.9	1.8	13.6	259326	1.6	
19	1.917	1436.1	-92	-24.9	-12.9	2	13.7	259583	1.8	
19	2.217	1436.2	-93	-25.6	-12.8	2.1	13.8	260035	2	
19	2.517	1436	-93.9	-25.9	-12.6	2.2	13.7	260585	2.1	
19	2.817	1435.8	-94.2	-25.4	-12.5	2.4	13.5	261105	2	
19	3.117	1435.7	-95.5	-25.8	-12.5	1.8	13.4	261431	1.9	
19	3.417	1435.4	-96.1	-26	-12.4	1.7	13	261529	1.7	
19	3.717	1435.3	-96.9	-26.5	-12.2	1.4	12.6	261268	1.6	
19	4.017	1435	-97.6	-26.1	-12.3	1.3	12.1	260520	1.4	
19	4.317	1434.9	-98.3	-26.3	-12.2	0.7	11.7	259166	1.2	
19	4.617	1434.6	-99.1	-26.6	-12.3	0.6	11.4	257255	1.1	
19	4.917	1434.3	-100.3	-27.5	-12.4	0.2	11.2	254906	1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	5.217	1434.1	-100.7	-27.3	-12.5	0.1	11.1	252204	1.1	
19	5.517	1434	-101.7	-27.8	-12.4	-0.2	10.9	249292	1.1	
19	5.817	1434	-102.2	-28.1	-12.3	0.3	10.9	246272	1.2	
19	6.117	1434	-102.9	-28.7	-12.5	0.3	11	243268	1.3	
19	6.417	1434.2	-103.6	-28.3	-12.3	0.1	11.2	240364	1.5	
19	6.717	1434.6	-103.7	-28.6	-12.3	0.5	11.6	237663	1.6	
19	7.017	1434.8	-104.2	-28.3	-12.3	0.8	12.1	235180	1.7	
19	7.317	1435	-104.7	-28.1	-12.3	1.1	12.6	232956	1.9	
19	7.617	1435.1	-105.2	-28.1	-12.4	1.2	13.1	231054	2	
19	7.917	1435.3	-105.4	-27.4	-12.5	1.6	13.8	229358	2.1	
19	8.217	1435.3	-106.5	-28.1	-12.8	1.2	14.4	227836	2.2	
19	8.517	1435.6	-106.9	-28.1	-12.9	1.4	14.9	226505	2.4	
19	8.817	1435.7	-106.8	-27.4	-13.1	1.8	15.3	225311	2.4	
19	9.117	1435.7	-106.9	-26.6	-13.4	1.6	15.6	224249	2.3	
19	9.417	1435.4	-107.6	-26.7	-13.5	1.3	15.6	223340	2.3	
19	9.717	1435.1	-107.6	-26.5	-13.5	1.8	15.4	222533	2.3	
19	10.017	1434.7	-108.1	-26.2	-13.6	1.1	15	221826	2.1	
19	10.317	1434.1	-108.2	-25.5	-13.7	0.9	14.4	221240	1.8	
19	10.617	1433.5	-108.7	-25.9	-13.7	1	13.7	220750	1.6	
19	10.917	1433.1	-109	-25.6	-13.8	0.6	13	220402	1.4	
19	11.217	1432.8	-108.8	-24.5	-13.5	0.3	12.3	220240	1.1	
19	11.517	1432.4	-108.7	-24	-13.2	0	11.5	220240	0.8	
19	11.817	1431.8	-109	-23.2	-13	-0.2	10.8	220355	0.7	
19	12.117	1431.5	-109.5	-23.3	-12.9	-0.6	10.3	220588	0.7	
19	12.417	1431.5	-109	-22	-12.6	-0.2	10	220960	0.6	
19	12.717	1431.5	-109.2	-21.4	-12.6	-0.1	9.9	221380	0.8	
19	13.017	1431.7	-109.6	-21.1	-12.8	-0.1	10.2	221826	1.1	
19	13.317	1432.1	-109.4	-20.2	-13.1	0.4	10.7	222321	1.3	
19	13.617	1432.4	-109.3	-19.3	-13.7	0.4	11.5	222770	1.5	
19	13.917	1432.6	-109	-18.5	-14.3	0.8	12.5	223102	1.6	
19	14.217	1432.6	-108.6	-17.1	-15.4	1.5	13.8	223293	1.7	
19	14.517	1433.1	-108.8	-16.8	-16	1.5	15.2	223364	1.7	
19	14.817	1433.5	-108.2	-15.2	-17	1.5	16.5	223293	1.4	
19	15.117	1434.2	-108.3	-14.4	-17.4	1.2	17.6	223079	0.9	
19	15.417	1435.2	-108.2	-14	-17.7	1.1	18.6	222723	0.5	
19	15.717	1435.8	-108	-12.5	-18.1	0.9	19.2	222156	0.1	
19	16.017	1436.3	-107.5	-11.4	-18.2	1.1	19.5	221427	-0.3	
19	16.317	1436.4	-107.6	-10.7	-18.4	0.6	19.6	220611	-0.6	
19	16.617	1436.6	-107.8	-10.2	-18.1	0.5	19.5	219731	-0.7	
19	16.917	1436.3	-107.7	-9.4	-18.1	0.9	19.1	218858	-0.8	
19	17.217	1436.5	-107.6	-8.5	-17.7	0.5	18.7	218038	-0.9	
19	17.517	1436.5	-108	-7.7	-17.3	0.5	18.1	217269	-0.8	
19	17.817	1436.8	-108.1	-7.4	-17.1	0.8	17.8	216595	-0.7	
19	18.117	1437.3	-108.3	-6.6	-16.7	0.7	17.6	216081	-0.5	
19	18.417	1437.7	-108.5	-6.3	-16.1	0.3	17.3	215747	-0.4	
19	18.717	1437.9	-108.6	-5.7	-15.5	0.3	17	215591	-0.4	
19	19.017	1437.8	-109.5	-5.9	-15.1	-0.4	16.7	215591	-0.3	
19	19.317	1437.6	-110	-6.3	-14.7	-1	16.3	215769	-0.3	
19	19.617	1437.5	-109.8	-5.6	-14.5	-1	16	216036	-0.5	
19	19.917	1437.3	-110.4	-5.7	-14.1	-1.5	15.7	216326	-0.6	
19	20.217	1437.1	-111	-5.8	-14	-2.2	15.3	216595	-0.6	
19	20.517	1437	-110.9	-5.5	-14	-2	14.9	216774	-0.6	
19	20.817	1436.7	-110.9	-4.4	-13.9	-2	14.4	216819	-0.7	
19	21.117	1436.3	-111	-4.1	-13.7	-2.4	13.9	216662	-0.8	
19	21.417	1435.9	-111.1	-4.3	-13.5	-2.1	13.4	216281	-0.8	
19	21.717	1435.7	-111	-4.1	-13.3	-2	13.1	215635	-1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	22.017	1435.4	-111	-3.4	-13.1	-2.5	12.7	214685	-1.2	
19	22.317	1434.9	-111.1	-3.5	-12.9	-2.7	12.2	213590	-1.5	
19	22.617	1434.9	-110.8	-2.7	-12.6	-2.2	11.9	212398	-1.8	
19	22.917	1434.8	-110.8	-2.6	-12.5	-2.6	11.6	211177	-2	
19	23.217	1434.6	-110.7	-2	-12.4	-3.1	11.3	209991	-2.3	
19	23.517	1434.3	-110.2	-1.2	-12.4	-2.5	11.1	208923	-2.5	
19	23.817	1434.2	-110.1	-1.3	-12.6	-2.6	11.2	208072	-2.7	
19	24.117	1434.1	-110.1	-1.4	-12.8	-2.8	11.3	207453	-2.8	
19	24.417	1434.1	-109.5	-0.5	-12.9	-2.4	11.4	207207	-3	
19	24.717	1434	-109.4	0.1	-13.2	-2.1	11.7	207310	-3	
19	25.017	1434.2	-109.8	-0.8	-13.4	-2.5	12.1	207721	-2.7	
19	25.317	1434.4	-109.4	-0.2	-13.7	-1.6	12.6	208403	-2.5	
19	25.617	1434.8	-109	0.6	-13.8	-1.2	13.3	209362	-2.5	
19	25.917	1435	-109.3	0.1	-14.2	-1.6	14	210498	-2.3	
19	26.217	1435.3	-109.3	0	-14.4	-1.1	14.5	211754	-2.1	
19	26.517	1435.5	-109.1	-0.1	-14.7	-0.7	15	213090	-2	
19	26.817	1435.7	-109.2	-0.6	-14.9	-0.7	15.4	214421	-1.7	
19	27.117	1436	-109.4	-0.6	-14.9	-1	15.7	215635	-1.6	
19	27.417	1436.1	-109.3	-1.1	-15.2	0.4	16	216729	-1.3	
19	27.717	1436.2	-109.8	-1.5	-15.4	-0.1	16.1	217653	-1.1	
19	28.017	1436.1	-109.9	-1.7	-15.6	-0.4	16.1	218470	-0.9	
19	28.317	1436.2	-109.9	-1.9	-15.4	0.2	15.9	219202	-1	
19	28.617	1436.2	-110.5	-3	-15.3	-0.2	15.6	219823	-0.8	
19	28.917	1436.3	-110.8	-3.2	-15.1	-0.4	15.3	220309	-0.8	
19	29.217	1436.4	-110.8	-3	-14.7	-0.7	14.8	220820	-1	
19	29.517	1436.5	-110.7	-3	-14.6	-0.6	14.4	221287	-1.2	
19	29.817	1436.5	-112.2	-4.6	-14.5	-2.2	14.1	221779	-1.3	
19	30.117	1436.6	-112.1	-4.1	-14.1	-2.4	13.8	222273	-1.4	
19	30.417	1436.5	-111.9	-3.8	-14	-2.6	13.6	222746	-1.8	
19	30.717	1436.4	-112.9	-4.6	-14.2	-3.8	13.5	223174	-2.2	
19	31.017	1436.5	-112.9	-4.4	-14.3	-3.5	13.7	223483	-2.4	
19	31.317	1436.7	-113.2	-4.6	-14.5	-4.1	14	223722	-2.6	
19	31.617	1437	-113	-3.5	-14.8	-4.2	14.4	223746	-3	
19	31.917	1437.5	-113.1	-3.1	-15	-4.3	15.1	223627	-3.2	
19	32.217	1437.6	-113.3	-3.5	-15.1	-4.4	15.3	223317	-3.2	
19	32.517	1437.6	-112.5	-2.1	-15.2	-3.1	15.5	222794	-3.3	
19	32.817	1437.7	-112.3	-1.3	-15.2	-3.5	15.6	222132	-3.5	
19	33.117	1437.9	-112.7	-1.8	-15	-3.4	15.8	221357	-3.4	
19	33.417	1437.9	-113.2	-2.3	-15	-3.5	15.8	220448	-3.2	
19	33.717	1438.1	-112.6	-1.6	-14.7	-3	15.6	219432	-3.2	
19	34.017	1438.3	-112.8	-1.7	-14.4	-3	15.5	218425	-3	
19	34.317	1438.3	-113.4	-2.4	-13.9	-3	15	217427	-2.5	
19	34.617	1438.3	-111.9	-0.9	-13.5	-1.3	14.7	216460	-1.8	
19	34.917	1438.1	-113.2	-2.1	-13.3	-2.6	14.5	215547	-1.3	
19	35.217	1438.1	-112.7	-1.9	-13	-2	14.3	214707	-0.8	
19	35.517	1437.9	-112.6	-1.8	-12.8	-1.7	14	213961	-0.4	
19	35.817	1437.8	-112.9	-2.2	-12.6	-1.1	13.8	213394	0	
19	36.117	1437.7	-112.5	-2.3	-12.6	-0.7	13.6	213047	0.1	
19	36.417	1437.4	-112.6	-2.5	-13.1	-1	13.4	212895	0	
19	36.717	1436.9	-112.7	-2.6	-13.5	-0.6	13.4	212895	-0.1	
19	37.017	1436.7	-111.5	-2	-14	-0.2	13.6	213025	-0.4	
19	37.317	1436.2	-111.3	-1.9	-14.7	0.5	13.8	213242	-0.8	
19	37.617	1435.9	-110.8	-1	-15.3	0.4	14	213568	-1.3	
19	37.917	1435.5	-110	-0.6	-15.9	0.7	14.2	213961	-1.8	
19	38.217	1435.4	-110.4	-1.4	-16.3	0.3	14.4	214355	-2	
19	38.517	1435.3	-110.7	-1.4	-16.7	-0.1	14.6	214619	-2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	38.817	1435.8	-110.4	-1.1	-16.5	0.5	14.9	214729	-2.3	
19	39.117	1435.7	-111	-1.9	-16.2	-0.7	14.5	214729	-2.3	
19	39.417	1435.9	-111.5	-2.3	-15.8	-0.7	14.3	214597	-2.3	
19	39.717	1436.1	-111.9	-2.5	-14.9	-1.2	13.9	214399	-2.1	
19	40.017	1436.3	-112.3	-3	-14.2	-1.5	13.6	214158	-2	
19	40.317	1436.5	-112.4	-2.6	-13.5	-1.6	13.3	213895	-1.8	
19	40.617	1436.8	-112.5	-2.6	-12.9	-1.7	13.1	213699	-1.7	
19	40.917	1437.2	-113	-3.1	-12.4	-2.1	13.1	213612	-1.5	
19	41.217	1437.5	-113.9	-3.4	-12.2	-2.9	12.9	213743	-1.2	
19	41.517	1437.8	-112.5	-1.7	-12.2	-0.8	13.3	214114	-0.8	
19	41.817	1438.1	-114.6	-3.8	-12.3	-2.5	13.6	214729	-0.4	
19	42.117	1438.1	-114.4	-3.7	-12.8	-1.9	14	215658	-0.1	
19	42.417	1438	-114.9	-2.7	-13.4	-1.8	14.4	216774	0.3	
19	42.717	1437.9	-115.3	-3.2	-13.9	-2	14.7	217993	0.8	
19	43.017	1437.8	-114.6	-2.7	-14.4	-1.1	14.9	219248	0.9	
19	43.317	1437.7	-114.1	-1.2	-15.1	-0.3	15.2	220518	0.9	
19	43.617	1437.8	-114	-1.1	-15.4	0	15.5	221732	0.8	
19	43.917	1437.7	-114	-0.8	-15.8	-1.5	15.6	222770	0.5	
19	44.217	1437.7	-113.5	-0.5	-16	-0.4	15.7	223627	0	
19	44.517	1437.6	-113.4	-0.3	-16.1	-0.9	15.7	224177	-0.6	
19	44.817	1437.7	-113.2	0.1	-16	-0.9	15.8	224442	-1.3	
19	45.117	1437.7	-112.5	0	-16.1	-0.8	15.9	224490	-2	
19	45.417	1437.9	-112.7	-0.4	-15.8	-1.9	16	224369	-2.6	
19	45.717	1438	-112.8	-0.1	-15.5	-2.8	15.9	224057	-2.9	
19	46.017	1438	-112.5	0.7	-15.3	-2.8	15.6	223627	-3.1	
19	46.317	1437.9	-111.5	1.1	-14.9	-1.8	15.2	223079	-3.3	
19	46.617	1437.9	-111.6	1.2	-14.6	-2.2	15	222415	-3.2	
19	46.917	1437.9	-111.8	1.6	-14.1	-2.3	14.8	221732	-3	
19	47.217	1437.9	-112.3	-0.4	-13.8	-2.2	14.7	221100	-2.5	
19	47.517	1437.8	-112.1	1.1	-13.4	-1.8	14.5	220541	-2	
19	47.817	1437.6	-112.2	0.5	-13.3	-1.3	14.3	220031	-1.6	
19	48.117	1437.5	-111.7	0.9	-13.1	-0.5	14.3	219593	-1.3	
19	48.417	1437.6	-111.6	1.3	-13	-0.2	14.7	219110	-1.1	
19	48.717	1437.5	-112	0.5	-13.1	-0.8	15.1	218744	-0.9	
19	49.017	1437.3	-111.6	1	-13.1	-0.8	15.3	218493	-1	
19	49.317	1436.9	-111.6	1.1	-13.2	-0.9	15.4	218152	-1.3	
19	49.617	1436.3	-111.9	-0.4	-13.3	-1.2	15.3	217766	-1.4	
19	49.917	1435.7	-112.2	-0.9	-13.4	-1.7	15.2	217291	-1.5	
19	50.217	1435.3	-112.3	-1.5	-13.3	-1.7	15	216774	-1.7	
19	50.517	1434.6	-112.2	-2.2	-13.3	-2.3	14.5	216214	-1.8	
19	50.817	1433.9	-112.5	-2.1	-13.5	-2.5	13.9	215680	-1.7	
19	51.117	1433.1	-112.6	-1.9	-13.6	-2.2	13.1	215192	-1.4	
19	51.417	1432.3	-111.9	-1.5	-13.7	-1.4	12.3	214685	-1.1	
19	51.717	1431.6	-112.1	-1.1	-13.8	-1.4	11.6	214311	-0.6	
19	52.017	1430.7	-112	-0.5	-14.1	-0.6	10.9	214070	-0.1	
19	52.317	1430	-111.9	0	-14.3	-0.1	10.3	214005	0.3	
19	52.617	1429.6	-112.3	0	-14.6	0.4	10.1	214092	0.9	
19	52.917	1429.3	-111.6	0.8	-14.8	1.1	10.1	214289	1.1	
19	53.217	1429.4	-111.9	0.6	-14.8	1.3	10.3	214575	1.3	
19	53.517	1429.6	-111.7	1.3	-14.7	1.9	10.6	214971	1.4	
19	53.817	1430.1	-111.6	2.3	-14.6	0.9	11.2	215436	1.3	
19	54.117	1430.7	-111	1.5	-14.5	1.5	11.9	215925	0.9	
19	54.417	1431.5	-111	3.6	-14.3	1.3	12.7	216371	0.6	
19	54.717	1432.2	-110.7	3.7	-14.1	0.2	13.6	216752	0.1	
19	55.017	1432.8	-111.2	3.7	-14.1	-0.3	14.3	217089	-0.4	
19	55.317	1433.3	-110.9	4.4	-14.1	-1.2	14.8	217359	-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	55.617	1433.8	-111.3	3.3	-14.1	-1.7	15.3	217562	-1.6	
19	55.917	1434.3	-111.7	2.4	-14.3	-2.6	15.6	217653	-2	
19	56.217	1434.7	-110.5	3.5	-14.7	-2.1	15.9	217562	-2.2	
19	56.517	1435	-111	3	-15	-2.7	16.2	217269	-2	
19	56.817	1435.4	-111.4	2.1	-15.1	-2.9	16.3	216796	-1.8	
19	57.117	1435.5	-109.7	3.7	-15.4	-0.6	16.3	216214	-1.4	
19	57.417	1435.6	-110.3	2.9	-15.5	-0.2	16.2	215502	-0.9	
19	57.717	1435.9	-110.1	2.4	-15.4	0.8	16.2	214729	-0.2	
19	58.017	1435.9	-110.4	2.3	-15.5	1.8	16.1	213917	0.6	
19	58.317	1436.5	-110.4	2.4	-15.7	3.2	16.5	213090	1.4	
19	58.617	1436.8	-109.6	2.9	-15.3	3.3	16.2	212420	1.7	
19	58.917	1436.9	-109.7	1.8	-15.3	4.5	16	211968	2	
19	59.217	1436.9	-109.7	1.9	-15.8	4.9	16	211711	2.2	
19	59.517	1437	-110.3	1.5	-15.8	3.5	16	211668	2.1	
19	59.817	1437	-110.9	1.4	-16	3.3	16	211754	2.1	
19	60.117	1436.9	-111.3	0.8	-16.2	2.4	15.9	211947	1.8	
19	60.417	1436.8	-111.9	0.3	-16.3	1.4	15.8	212205	1.3	
19	60.717	1437	-112.7	-1	-16.1	0	15.5	212420	0.6	
19	61.017	1437.1	-111.8	-0.2	-15.8	-0.6	15.3	212571	-0.2	
19	61.317	1437.5	-113.4	-1.4	-15.3	-2.9	15.2	212549	-1.2	
19	61.617	1437.9	-113.3	-1.7	-14.5	-3.9	15	212334	-2.4	
19	61.917	1438.2	-113.8	-2.2	-13.9	-5.5	14.7	211925	-3.6	
19	62.217	1438.4	-114	-2.1	-13.2	-6.6	14.3	211284	-4.7	
19	62.517	1438.6	-113.7	-1.5	-12.6	-6.7	14	210435	-5.6	
19	62.817	1438.7	-113.5	-1.2	-12.2	-7.8	13.8	209487	-6.7	
19	63.117	1438.7	-113.8	-1.6	-12	-8.5	13.6	208486	-7.5	
19	63.417	1438.5	-113.3	-0.8	-11.9	-8.8	13.4	207536	-8.1	
19	63.717	1438.2	-113.7	-1.1	-12.1	-8.8	13.4	206634	-8.2	
19	64.017	1438	-113.9	-2	-12.4	-8	13.4	205862	-7.7	
19	64.317	1437.9	-113.5	-1.4	-12.8	-6.8	13.7	205217	-6.9	
19	64.617	1437.7	-113.3	-1.3	-13.2	-5.4	14	204735	-6.1	
19	64.917	1437.5	-113.8	-1.9	-13.9	-4.9	14.3	204435	-4.9	
19	65.217	1437.3	-112.9	-0.6	-14.3	-2.9	14.7	204276	-3.8	
19	65.517	1437.1	-113	-1.4	-14.9	-1.7	15.1	204216	-2.8	
19	65.817	1436.8	-113.4	-1.5	-15.6	-1.6	15.5	204216	-1.9	
19	66.117	1436.4	-112.8	-1.1	-16.4	-0.2	16	204216	-1.1	
19	66.417	1436.1	-113.8	-2.2	-17	-0.4	16.5	204216	-0.2	
19	66.717	1435.8	-113.4	-2.4	-17.7	0.2	17.1	204216	0.4	
19	67.017	1435.4	-113.9	-2.9	-18.1	0.1	17.4	204216	0.9	
19	67.317	1435.5	-114	-3.3	-18.3	0.8	17.9	204216	1.3	
19	67.617	1435.2	-114.2	-3	-18.5	-0.2	18	204216	1.6	
19	67.917	1435.1	-114.4	-3.5	-18.5	-0.1	18	204216	1.9	
19	68.217	1435.3	-114.1	-2.8	-18.3	0.2	18.1	204236	2	
19	68.517	1435.4	-113.7	-2	-17.5	0.3	17.8	204376	1.8	
19	68.817	1435.2	-113.3	-2.8	-16.9	0.4	17.2	204495	1.4	
19	69.117	1435	-112.9	-1.9	-16.2	0.2	16.5	204635	1	
19	69.417	1434.5	-112.9	-1.5	-15.5	-0.1	15.6	204835	0.7	
19	69.717	1434.3	-113.2	-3.5	-15.1	-0.4	14.9	205076	0.5	
19	70.017	1434.2	-112	-1.7	-14.6	0.5	14.3	205317	0.1	
19	70.317	1434.1	-111.9	-1.8	-14.3	0.4	13.8	205519	-0.2	
19	70.617	1434.1	-111.1	-0.7	-14.4	0.9	13.5	205680	-0.4	
19	70.917	1433.8	-111.6	-1.2	-14.4	0.4	13.2	205761	-0.3	
19	71.217	1433.6	-110.8	-1.2	-14.6	1.1	13.2	205761	-0.2	
19	71.517	1433.6	-110.7	-1	-14.6	1	13.3	205680	-0.2	
19	71.817	1433.4	-110.4	-0.7	-14.8	1	13.5	205499	-0.2	
19	72.117	1433.6	-110.7	-0.4	-14.8	1.2	13.9	205237	-0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	72.417	1433.8	-110.6	0.3	-14.7	0.9	14.3	204916	-0.1	
19	72.717	1434.1	-110.6	0.7	-14.6	1	14.6	204575	0	
19	73.017	1434.6	-110.7	1.2	-14.4	0.6	14.9	204256	0.1	
19	73.317	1434.6	-110.8	1.9	-14.4	0.7	14.9	203977	0.2	
19	73.617	1434.8	-110.8	1	-14.4	0.7	15	203759	0.6	
19	73.917	1434.8	-110.9	2.5	-14.5	0.8	15	203640	1.1	
19	74.217	1434.8	-110.3	3	-14.8	1.8	15.1	203601	1.5	
19	74.517	1434.6	-110.9	2.9	-15.2	1.6	15.1	203700	2.1	
19	74.817	1434.3	-111.3	2.7	-15.6	2.1	15.1	203878	2.8	
19	75.117	1434	-111.3	2.4	-16	2.9	15.1	204117	3.4	
19	75.417	1434	-111.2	2.3	-16.2	3.6	15.1	204455	3.7	
19	75.717	1434.3	-111	2.8	-16	4.5	15.3	204876	4	
19	76.017	1434.8	-111.1	2.2	-15.9	4.3	15.6	205358	4	
19	76.317	1435.1	-110.6	3.1	-15.9	5.2	15.9	205903	4	
19	76.617	1435.6	-110.7	3.2	-15.6	4.4	16.2	206533	3.6	
19	76.917	1435.8	-110.1	3.4	-15.3	4.9	16.3	207289	3.2	
19	77.217	1435.8	-110.5	2.8	-15	3.7	16.3	208134	2.5	
19	77.517	1435.7	-111	2.8	-14.7	2.8	16.2	209132	1.9	
19	77.817	1435.5	-111.4	1.5	-14.8	2.1	16.2	210181	1.4	
19	78.117	1435.5	-112.3	0.7	-14.6	0.5	16	211305	0.7	
19	78.417	1435.5	-112	1.4	-14.5	0.1	15.8	212528	0.1	
19	78.717	1435.4	-112.7	0.1	-14.7	-1.3	15.6	213743	-0.2	
19	79.017	1435.2	-112.7	1.1	-14.8	-1.4	15.3	214883	-0.4	
19	79.317	1435	-112.6	0.8	-15.1	-2.1	15	215902	-0.6	
19	79.617	1434.6	-112	1.9	-15.3	-1.5	14.8	216729	-1	
19	79.917	1434.4	-112.5	1.5	-15.6	-2.3	14.8	217359	-1.2	
19	80.217	1434.1	-112.9	1.3	-16	-2.9	14.9	217789	-1.3	
19	80.517	1433.9	-113.2	1.2	-16.3	-3	15	218015	-1.4	
19	80.817	1433.7	-112.9	1.2	-16.5	-3.2	15.1	218083	-1.5	
19	81.117	1433.8	-112.6	1.1	-16.3	-2.8	15.3	218015	-1.8	
19	81.417	1433.9	-112.7	0.6	-16.3	-3.5	15.6	217857	-2.1	
19	81.717	1434.3	-112.1	0.8	-16	-3.4	15.9	217585	-2.4	
19	82.017	1434.5	-112.4	0.5	-15.7	-4.7	16	217246	-2.6	
19	82.317	1434.7	-111.9	1.3	-15.3	-4.3	15.9	216931	-2.7	
19	82.617	1434.9	-111.2	0.8	-14.8	-3.7	15.7	216707	-2.8	
19	82.917	1434.9	-110.9	1	-14.3	-3.6	15.4	216550	-3	
19	83.217	1434.7	-110.4	0.7	-13.9	-3.8	15	216460	-3	
19	83.517	1434.3	-110.6	1	-13.8	-3.8	14.5	216371	-2.8	
19	83.817	1434.1	-110	0.8	-13.5	-2.9	14	216326	-2.6	
19	84.117	1433.9	-109.5	1.2	-13.4	-2.5	13.6	216348	-2.4	
19	84.417	1433.8	-108.7	1.7	-13.3	-1.5	13.2	216460	-2.2	
19	84.717	1433.8	-108.1	2.6	-13.3	-0.9	13.1	216617	-1.7	
19	85.017	1433.8	-107.7	2.9	-13.4	-0.3	13.1	216796	-1.1	
19	85.317	1433.7	-107.4	3.2	-13.4	-0.4	13	216999	-0.8	
19	85.617	1433.5	-106.4	4.3	-13.3	0.9	13	217224	-0.5	
19	85.917	1433.4	-106.5	4.3	-13	0.7	13.1	217517	-0.2	
19	86.217	1433.3	-106.7	4.1	-13	0.6	13.3	217925	0.1	
19	86.517	1433.2	-106.7	4.2	-12.9	0.9	13.4	218402	0.3	
19	86.817	1433.4	-106.4	3.9	-12.6	1.2	13.4	218950	0.3	
19	87.117	1433.4	-105.9	5	-12.5	1.2	13.3	219547	0.3	
19	87.417	1433.4	-105.8	5.5	-12.4	0.9	13.1	220147	0.2	
19	87.717	1433.3	-104.8	6.5	-12.3	1.5	13	220727	0	
19	88.017	1432.9	-105.1	6.1	-12.4	0.7	12.7	221287	-0.2	
19	88.317	1432.3	-104.2	6.8	-12.6	1.5	12.4	221756	-0.5	
19	88.617	1431.9	-104.4	6.7	-12.7	1	12.2	222108	-0.7	
19	88.917	1431.4	-105	5.6	-12.8	0.5	12	222344	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	89.217	1431.4	-105.9	4.8	-13.1	-0.3	11.9	222486	-0.8	
19	89.517	1431.4	-105.5	4.6	-13.3	0.1	11.9	222510	-0.7	
19	89.817	1431.6	-105.4	5.1	-13.6	0.5	12.1	222486	-0.5	
19	90.117	1431.6	-105.2	5.8	-14	0.2	12.4	222486	-0.4	
19	90.417	1431.6	-105.7	5.7	-14.4	0.3	12.8	222581	-0.2	
19	90.717	1431.6	-105.8	6.5	-14.7	-0.2	13.2	222746	-0.1	
19	91.017	1431.4	-105.5	6.5	-15.2	0.5	13.5	222984	-0.1	
19	91.317	1431.3	-106.1	6.6	-15.6	0.2	13.9	223293	-0.3	
19	91.617	1431.7	-106.5	6.2	-15.9	0.2	14.5	223674	-0.5	
19	91.917	1432.2	-106.8	5.8	-16	-0.2	15	224129	-0.7	
19	92.217	1432.7	-107	5	-15.8	-1	15.3	224562	-1	
19	92.517	1433.1	-106.8	5.7	-15.5	-1.1	15.3	224875	-1.4	
19	92.817	1433.6	-107.3	5.6	-15	-1.7	15.3	224996	-1.7	
19	93.117	1434	-107.2	6	-14.6	-1.5	15.3	224948	-1.8	
19	93.417	1434.4	-107.8	5.1	-14	-2.2	15.3	224731	-1.7	
19	93.717	1434.7	-108.2	4.4	-13.6	-2.4	15.2	224321	-1.6	
19	94.017	1434.7	-108.4	4.3	-13.4	-2.3	14.9	223794	-1.5	
19	94.317	1434.9	-109.2	2.9	-13.2	-2.5	14.6	223174	-1.3	
19	94.617	1434.9	-108.6	3.8	-13.3	-1.4	14.4	222486	-1.1	
19	94.917	1435	-109.1	2.8	-13.5	-1.6	14.3	221826	-0.7	
19	95.217	1435.1	-108.9	2.3	-13.8	-1.1	14.2	221240	-0.5	
19	95.517	1435	-109.2	1.7	-14.3	-1	14.1	220727	-0.3	
19	95.817	1434.9	-109.2	1.2	-14.8	-0.7	14	220286	-0.2	
19	96.117	1434.8	-108.8	1.8	-15.1	0.1	13.8	219939	-0.1	
19	96.417	1434.8	-108.7	1.3	-15.4	0.3	13.8	219662	-0.1	
19	96.717	1434.8	-109.2	0.3	-15.6	0.5	13.8	219409	-0.2	
19	97.017	1435	-109.6	-0.9	-15.5	0	13.7	219156	-0.2	
19	97.317	1435.3	-109.5	-1.4	-15.2	0.5	13.7	218904	-0.3	
19	97.617	1435.8	-109.3	-1.6	-14.6	0.8	13.7	218584	-0.5	
19	97.917	1436.4	-109.9	-2.5	-13.8	0.2	13.8	218243	-0.7	
19	98.217	1437	-109.6	-3.2	-13.1	0.2	14	217789	-1	
19	98.517	1437.6	-109.8	-3.3	-12.3	-0.6	14.3	217246	-1.4	
19	98.817	1438.1	-109.9	-3.2	-12	-1.2	14.6	216639	-1.7	
19	99.117	1438.3	-110.6	-3.9	-11.6	-1.8	14.7	215991	-2.1	
19	99.417	1438.7	-111	-4.6	-11.4	-2.2	14.9	215303	-2.4	
19	99.717	1438.6	-111.5	-5.6	-11.6	-2.7	14.9	214597	-2.6	
19	100.017	1438.4	-112.2	-6.4	-12	-3.6	14.8	213917	-2.6	
19	100.317	1437.8	-112.4	-7.6	-12.6	-3.6	14.5	213307	-2.4	
19	100.617	1437.2	-112.4	-7.3	-13.3	-3.1	14.3	212765	-2.1	
19	100.917	1436.5	-112.4	-8.2	-14	-2.4	14.1	212334	-1.7	
19	101.217	1436.1	-112	-7.6	-14.5	-1.6	14	211968	-1.4	
19	101.517	1435.7	-112.7	-7.7	-14.8	-1.1	14	211711	-0.7	
19	101.817	1435.5	-112.9	-7	-15.1	-0.7	14	211626	-0.1	
19	102.117	1435.4	-113.4	-7.9	-15.3	-0.2	14.2	211690	0.5	
19	102.417	1435.5	-113.1	-7.7	-15.3	1.2	14.6	211904	1	
19	102.717	1435.5	-112.5	-7.3	-15.5	1.9	15.2	212183	1.1	
19	103.017	1435.4	-113.2	-7.5	-15.5	1.6	15.6	212528	1.3	
19	103.317	1435.2	-113.6	-7.8	-15.6	0.8	15.9	212960	1.3	
19	103.617	1435	-113.7	-8.2	-15.9	0.6	16.2	213437	1.3	
19	103.917	1434.7	-114	-7.9	-16.1	0.4	16.2	213873	1.2	
19	104.217	1434.5	-113.6	-7.1	-16.3	0.7	16.2	214180	0.9	
19	104.517	1434.3	-113.9	-7.1	-16.3	0	16.1	214267	0.6	
19	104.817	1434	-114.4	-7.4	-16.5	-0.9	15.9	214202	0.4	
19	105.117	1433.8	-114.2	-7.4	-16.3	-1.3	15.6	214005	0.2	
19	105.417	1433.5	-114.5	-7.2	-16.1	-1.3	15.2	213677	-0.1	
19	105.717	1433.4	-113.7	-6.5	-15.7	-0.8	14.9	213220	-0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	106.017	1433.3	-114	-6.2	-15.4	-1.3	14.6	212679	-0.8	
19	106.317	1433.4	-113.7	-5.5	-15.1	-1.1	14.5	212097	-1.1	
19	106.617	1433.7	-113.9	-5.5	-14.6	-1.8	14.5	211647	-1.3	
19	106.917	1433.7	-113.2	-4	-14.5	-1.2	14.5	211369	-1.6	
19	107.217	1433.6	-113.1	-4.5	-14.4	-1.4	14.4	211177	-1.8	
19	107.517	1433.6	-112.8	-3.7	-14.4	-1	14.5	211028	-2	
19	107.817	1433.4	-113.5	-4.6	-14.2	-1.7	14.5	210901	-2	
19	108.117	1433.3	-113.3	-4.1	-14.5	-1.6	14.7	210816	-2	
19	108.417	1433.3	-113.3	-4.1	-14.6	-1.3	14.8	210752	-1.8	
19	108.717	1433.3	-113.5	-4.7	-14.8	-1.8	14.9	210667	-1.5	
19	109.017	1433.2	-113.2	-4.5	-15.1	-0.8	14.9	210519	-1.2	
19	109.317	1433.1	-113.2	-4	-15.4	-0.7	15	210266	-0.8	
19	109.617	1433.1	-112.6	-3	-15.5	0.1	15.1	209970	-0.4	
19	109.917	1433.1	-113.4	-3.9	-15.6	-0.5	15.2	209634	0	
19	110.217	1432.8	-113.1	-3.8	-15.7	0.4	15.2	209278	0.4	
19	110.517	1432.8	-113.6	-3.7	-15.8	0.4	15.3	208860	0.6	
19	110.817	1432.9	-113.7	-4.1	-15.6	0.4	15.2	208465	0.7	
19	111.117	1433.1	-112.8	-3	-15.4	1.4	15.2	208092	0.7	
19	111.417	1433.1	-113.3	-3.4	-15.4	0.3	15.1	207762	0.5	
19	111.717	1433.3	-113.4	-2.8	-14.9	0.3	14.9	207536	0.4	
19	112.017	1433.3	-113.1	-2.1	-14.7	0.3	14.7	207392	0.2	
19	112.317	1433.4	-112.9	-1.4	-14.2	0.7	14.3	207351	-0.2	
19	112.617	1433.3	-112.7	-0.5	-13.9	0.4	14	207433	-0.5	
19	112.917	1433.4	-113.5	-1.1	-13.7	-0.5	13.7	207700	-0.8	
19	113.217	1433.3	-113.6	-1.2	-13.7	-0.7	13.3	208092	-0.9	
19	113.517	1433.4	-113.4	-1	-13.8	-1	13.1	208590	-1.1	
19	113.817	1433.6	-113	-1	-13.7	-0.5	13.2	209194	-1.2	
19	114.117	1433.5	-113.4	-0.7	-14.1	-0.7	13.5	209802	-1	
19	114.417	1433.6	-113.7	-0.8	-14.3	-1	14.2	210413	-0.7	
19	114.717	1433.5	-114.1	-0.7	-14.8	-1.5	14.7	211007	-0.4	
19	115.017	1433.7	-114.1	-1	-14.9	-0.8	15.2	211540	0.1	
19	115.317	1434	-114	-1.5	-15.1	-0.3	15.7	211947	0.2	
19	115.617	1434.5	-114	-0.8	-15.1	0.2	16.2	212205	0.2	
19	115.917	1435	-114.3	-0.7	-15	-0.8	16.5	212334	0.3	
19	116.217	1435.1	-114	-0.3	-15.1	-0.7	16.5	212334	0.3	
19	116.517	1434.8	-113.9	0.1	-15	-0.4	15.9	212248	0.4	
19	116.817	1434.2	-113.7	-0.1	-14.9	-0.1	15.1	212033	0.4	
19	117.117	1433.7	-113.2	0.7	-14.8	1.3	14.6	211733	0.5	
19	117.417	1433.5	-113.8	0.6	-14.8	1	14.4	211305	0.8	
19	117.717	1433.4	-113.5	0.7	-14.8	1.8	14.3	210880	1.1	
19	118.017	1433.4	-114.3	0.2	-14.9	0.8	14.2	210456	1.3	
19	118.317	1433.5	-113	0.7	-15	3.1	14.3	210076	1.5	
19	118.617	1433.9	-113.1	0.9	-14.9	3.1	14.7	209760	1.7	
19	118.917	1434.3	-112.8	0.9	-14.8	3	15.3	209487	1.7	
19	119.217	1434.4	-112.8	1.1	-14.9	3.1	15.9	209299	1.5	
19	119.517	1434.3	-113.9	-0.7	-15	1.7	16.3	209257	1.2	
19	119.817	1434.1	-113.8	-0.7	-15.3	1.3	16.5	209320	0.8	
19	120.117	1433.9	-114.3	-1.5	-15.4	0.2	16.5	209445	0.1	
19	120.417	1433.6	-113.7	-0.2	-15.7	1.3	16.5	209592	-0.5	
19	120.717	1433.3	-114.9	-1.6	-15.7	-2.1	16.2	209760	-1.2	
19	121.017	1433.1	-114.9	-1.6	-15.7	-2.5	15.9	209865	-1.9	
19	121.317	1432.9	-114.2	-0.7	-15.8	-2.4	15.6	209949	-2.4	
19	121.617	1432.6	-115.1	-1.9	-15.6	-4.1	15.1	209970	-2.8	
19	121.917	1432.4	-115.7	-2.5	-15.3	-4.2	14.7	209886	-3.1	
19	122.217	1432.3	-114.8	-2.2	-14.9	-3.6	14.4	209697	-3.4	
19	122.517	1432.2	-115.4	-2	-14.7	-4.5	14.2	209382	-3.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	122.817	1432.2	-116.7	-3.6	-14.2	-6.2	13.9	208944	-3.4	
19	123.117	1432.2	-114.9	-1.3	-13.7	-3.7	13.7	208424	-3.3	
19	123.417	1432	-115.6	-1.9	-13.6	-3.8	13.5	207824	-3	
19	123.717	1431.9	-115.7	-2.9	-13.5	-4.3	13.3	207186	-2.7	
19	124.017	1431.8	-114.9	-1.6	-13.5	-2.3	13.3	206594	-2.2	
19	124.317	1431.7	-115.3	-1.9	-13.8	-2.3	13.3	206085	-1.8	
19	124.617	1431.6	-115.4	-2.3	-14	-1.8	13.3	205741	-1.5	
19	124.917	1431.4	-114.4	-1.5	-14.6	-0.4	13.4	205559	-1.2	
19	125.217	1431.3	-114.2	-1.5	-15.1	1.3	13.7	205519	-1.1	
19	125.517	1431.2	-114.1	-0.6	-15.7	0.3	14	205640	-1	
19	125.817	1431.1	-114.8	-1.2	-16.1	0	14.3	205903	-1	
19	126.117	1431.3	-114	-0.6	-16.3	1.6	14.6	206248	-1.1	
19	126.417	1431.5	-114.5	-1.5	-16.6	-0.2	14.9	206614	-1.3	
19	126.717	1431.9	-113.8	-0.4	-16.7	1.2	15.5	206879	-1.5	
19	127.017	1432.3	-115.3	-1.6	-16.5	-0.6	15.9	207043	-1.6	
19	127.317	1432.9	-114.9	-0.8	-16.2	-1	16.4	207186	-1.7	
19	127.617	1433.3	-116.5	-2.4	-15.8	-2.6	16.5	207330	-1.6	
19	127.917	1433.6	-115.9	-1.9	-15.6	-1.9	16.5	207494	-1.5	
19	128.217	1433.9	-116	-2	-15.3	-1.7	16.5	207618	-1.2	
19	128.517	1434.2	-117.7	-3.4	-15	-3.7	16.3	207783	-1	
19	128.817	1434.5	-116.4	-2.4	-14.7	-1.9	16.2	208072	-0.7	
19	129.117	1434.4	-117.7	-3.8	-14.8	-3.2	15.8	208507	-0.5	
19	129.417	1434.2	-117.1	-3.4	-14.7	-2.5	15.2	209006	-0.3	
19	129.717	1434	-116.8	-3.6	-15	-2.2	14.8	209487	-0.2	
19	130.017	1434	-116.9	-3.1	-15.2	-1.5	14.6	209907	0	
19	130.317	1434.2	-116.9	-3.4	-15.2	-2.1	14.5	210244	-0.1	
19	130.617	1434.3	-116.3	-2	-15.3	-1.8	14.5	210562	-0.3	
19	130.917	1434.5	-116.1	-3.1	-15.5	-0.9	14.7	210773	-0.5	
19	131.217	1434.5	-115.8	-2.7	-16	-1.7	14.8	210837	-0.8	
19	131.517	1434.8	-116.3	-3.5	-15.9	-2.6	15	210773	-1.1	
19	131.817	1435.1	-114.6	-1.8	-15.8	-1.2	15.3	210604	-1.5	
19	132.117	1435.4	-114.8	-0.9	-15.8	-2.4	15.6	210371	-2	
19	132.417	1435.8	-114.3	-0.5	-15.6	-2.5	15.8	210118	-2.5	
19	132.717	1436.2	-114	0.3	-15.6	-2.6	16.1	209886	-2.8	
19	133.017	1436.4	-113.6	0.1	-15.6	-3	16.2	209634	-3	
19	133.317	1436.5	-113.7	1.2	-15.6	-3.3	16.2	209382	-2.9	
19	133.617	1436.8	-113.4	1.5	-15.4	-3.3	16.2	209173	-3	
19	133.917	1437	-112	2.2	-15.2	-1.5	16.1	209027	-3	
19	134.217	1437	-112.7	2.4	-15.3	-2.3	16	208944	-2.8	
19	134.517	1437.2	-112	3.7	-15.1	-1.7	15.9	208902	-2.5	
19	134.817	1437.2	-111.8	3	-14.8	-1.3	15.6	208881	-2.2	
19	135.117	1437.3	-111.6	3.8	-14.5	-1.3	15.4	208881	-1.9	
19	135.417	1437.3	-110.8	5.9	-14.1	-0.6	15.1	208923	-1.8	
19	135.717	1437.3	-110.5	4.4	-13.7	-0.1	14.9	209027	-1.6	
19	136.017	1437.5	-110.4	5.2	-13.3	0	14.8	209152	-1.5	
19	136.317	1437.4	-110.7	5	-13	-0.5	14.7	209278	-1.2	
19	136.617	1437.5	-111.8	3.1	-12.7	-0.8	14.6	209403	-1.1	
19	136.917	1437.4	-110.9	4.4	-12.6	0	14.3	209634	-1	
19	137.217	1437	-111	4.4	-12.9	-0.2	13.9	209928	-0.9	
19	137.517	1436.6	-110.4	4	-13.4	0.4	13.7	210350	-0.7	
19	137.817	1436.2	-110.4	3.8	-13.9	0.4	13.5	210795	-0.5	
19	138.117	1435.8	-110.2	3.9	-14.4	0.7	13.6	211241	-0.4	
19	138.417	1435.1	-110.3	4.5	-15.2	0.7	13.5	211711	-0.4	
19	138.717	1434.5	-110.9	3.1	-15.8	0.5	13.3	212183	-0.2	
19	139.017	1434.1	-111.5	3	-16.3	1	13.2	212657	0	
19	139.317	1434.2	-111.7	2.1	-16.6	0.7	13.5	213047	0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	139.617	1434.7	-111.6	3.7	-16.5	1.2	14	213285	0	
19	139.917	1435.4	-111.4	3.5	-16.2	1.1	14.5	213394	-0.2	
19	140.217	1435.8	-111.8	4.7	-16.2	0.2	14.9	213437	-0.4	
19	140.517	1436	-112.1	3.8	-15.8	-0.7	15	213416	-0.6	
19	140.817	1436.2	-112.4	3.6	-15.5	-0.6	15.2	213416	-0.6	
19	141.117	1436.5	-112.5	5.2	-15.2	0	15.6	213437	-0.5	
19	141.417	1436.9	-113.2	3.2	-14.7	-0.1	15.9	213481	-0.4	
19	141.717	1437.2	-113.8	3.9	-14.3	-0.6	15.9	213568	0	
19	142.017	1437.4	-114.6	2.5	-14.2	-0.8	15.8	213743	0.5	
19	142.317	1437.7	-114.9	1.9	-14	-0.1	15.6	214005	1.2	
19	142.617	1437.9	-114.4	2.5	-13.6	1.2	15.3	214333	1.7	
19	142.917	1437.8	-113.9	3	-13.7	1.9	15.1	214751	2	
19	143.217	1437.8	-114.6	1.7	-13.4	2	14.9	215170	2.2	
19	143.517	1437.6	-115.2	0.9	-13.3	1.7	14.5	215591	2.5	
19	143.817	1437.3	-115.6	0.2	-13.3	2.4	14	216058	2.5	
19	144.117	1437	-114.7	1.6	-13.5	3.4	13.7	216505	2.3	
19	144.417	1436.9	-115.1	-0.5	-13.5	3.1	13.5	216886	2	
19	144.717	1436.7	-115.8	-1	-13.8	2.4	13.4	217201	1.7	
19	145.017	1436.7	-116	-1.7	-13.9	1.8	13.4	217404	1.3	
19	145.317	1436.8	-115.4	-1.4	-13.8	1.4	13.5	217517	0.6	
19	145.617	1436.5	-116.4	-2.8	-13.9	0.1	13.5	217472	0	
19	145.917	1436.4	-116.4	-2.7	-14	-0.3	13.7	217314	-0.6	
19	146.217	1436.3	-117.7	-4.3	-14	-1.4	14	217066	-0.9	
19	146.517	1436.5	-117.8	-5.8	-13.8	-2.1	14.3	216729	-1	
19	146.817	1436.5	-117.8	-5.1	-13.9	-2.1	14.4	216371	-1.2	
19	147.117	1436.5	-118	-6	-13.8	-2.7	14.5	215969	-1.4	
19	147.417	1436.4	-118.6	-6.8	-13.7	-3.1	14.4	215524	-1.4	
19	147.717	1436.3	-118.5	-6.9	-13.8	-3.1	14.4	215126	-1.2	
19	148.017	1436	-118.5	-7.7	-14.1	-2.5	14.4	214817	-1	
19	148.317	1435.8	-118.2	-7.7	-14.1	-2.5	14.3	214663	-0.8	
19	148.617	1435.4	-118.9	-8.5	-14.2	-2.5	14.1	214663	-0.5	
19	148.917	1435	-118.7	-8	-14.6	-1.8	14	214795	0.1	
19	149.217	1435	-118.7	-6.9	-14.5	-1.6	14	215060	0.5	
19	149.517	1434.8	-117.6	-6.7	-14.6	-0.3	14.1	215547	0.7	
19	149.817	1434.8	-117.9	-6.9	-14.8	-0.6	14.3	216237	1	
19	150.117	1434.7	-117.7	-7.3	-15	-0.3	14.4	217066	1.1	
19	150.417	1434.9	-117.5	-7.1	-14.9	-0.1	14.6	217993	1.3	
19	150.717	1434.8	-116.6	-6.4	-15.1	0.1	14.5	218904	1.1	
19	151.017	1434.7	-116.1	-5.8	-15.3	0.8	14.6	219754	0.8	
19	151.317	1434.6	-115.8	-4.9	-15.3	0.2	14.6	220448	0.5	
19	151.617	1434.4	-115.4	-3.9	-15.6	0.4	14.6	220890	0.3	
19	151.917	1434.2	-115.2	-3.5	-15.8	-0.2	14.5	221007	-0.1	
19	152.217	1434.2	-113.9	-2.3	-15.7	0.7	14.4	220797	-0.8	
19	152.517	1434.3	-114.1	-2.7	-15.5	0	14.3	220332	-1.2	
19	152.817	1434.5	-113.7	-1.9	-15.4	0	14.2	219639	-1.6	
19	153.117	1435	-113.1	-1	-15	-0.3	14.3	218767	-2	
19	153.417	1435.5	-113.3	-0.9	-14.5	-0.5	14.3	217743	-2.2	
19	153.717	1435.7	-112.2	0.3	-14.1	-0.4	14.1	216639	-2.6	
19	154.017	1435.9	-112.3	0.9	-14	-0.7	14.1	215569	-2.8	
19	154.317	1436.2	-112.6	1.2	-13.8	-1.3	14.3	214619	-2.7	
19	154.617	1436.2	-113	1.6	-14	-1.7	14.5	213808	-2.3	
19	154.917	1436.3	-112.8	2.1	-14.1	-1.2	14.7	213112	-2	
19	155.217	1436.5	-113.1	1.3	-14.1	-1.3	14.9	212528	-1.7	
19	155.517	1436.7	-112.9	1	-14.4	-0.8	15.3	212076	-1.1	
19	155.817	1436.8	-113.9	0.7	-14.8	-1.4	15.6	211733	-0.6	
19	156.117	1436.9	-113.1	2.1	-15.1	-0.4	15.9	211476	0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	156.417	1437.2	-113.5	2.1	-15.1	-0.5	16.2	211327	0.6	
19	156.717	1437.2	-112.8	1.9	-15.2	0.7	16.2	211305	0.9	
19	157.017	1437.2	-113.3	1.8	-15.1	0.2	16.1	211348	1.2	
19	157.317	1437.2	-113.1	2.7	-14.9	0.7	15.9	211455	1.4	
19	157.617	1437	-113.2	2.8	-14.9	0.6	15.5	211583	1.5	
19	157.917	1436.7	-113.4	2	-14.8	0.6	14.9	211775	1.5	
19	158.217	1436.6	-113	3.4	-14.4	1	14.3	212033	1.2	
19	158.517	1436.4	-113	3.4	-14	0.2	13.5	212291	0.6	
19	158.817	1436.2	-112.5	5.2	-13.8	0	12.7	212485	0.1	
19	159.117	1436.1	-112.6	5.2	-13.5	-0.8	12	212592	-0.3	
19	159.417	1436.1	-111.7	6.1	-12.8	-0.3	11.3	212592	-1.1	
19	159.717	1436.1	-112.1	5.9	-12.4	-1.5	10.9	212506	-1.7	
19	160.017	1436.3	-111.5	7.1	-12	-1.6	10.8	212312	-2.2	
19	160.317	1436.4	-112.1	6.4	-11.7	-2.7	10.8	211990	-2.6	
19	160.617	1436.6	-111.7	6.8	-11.8	-2.6	11	211583	-2.8	
19	160.917	1436.8	-112	6.2	-12.3	-3.1	11.5	211050	-3.1	
19	161.217	1437.4	-111.3	7.6	-12.9	-2.6	12.6	210519	-3.2	
19	161.517	1437.9	-111.4	7.3	-13.8	-2.4	14	209991	-3.1	
19	161.817	1437.9	-111.7	7	-15.1	-2.8	15.4	209529	-2.8	
19	162.117	1438.1	-111.4	6.2	-16	-1.8	16.7	209132	-2.6	
19	162.417	1438	-111	6.9	-17.1	-1.2	17.6	208840	-2.5	
19	162.717	1438	-110.6	7.1	-17.8	-0.6	18.3	208673	-2.3	
19	163.017	1438.1	-110.8	6.7	-18.4	-0.1	18.9	208611	-1.9	
19	163.317	1438.9	-111	5.6	-18.1	0.2	19.4	208673	-1.7	
19	163.617	1439.3	-111.3	4.8	-18	-0.6	19.4	208840	-1.6	
19	163.917	1439.3	-111.6	4.2	-17.7	-0.3	18.8	209006	-1.4	
19	164.217	1439	-111.8	3.6	-17.1	-0.2	18	209173	-1.2	
19	164.517	1438.7	-112.4	2.8	-16.6	-0.4	17.2	209362	-0.9	
19	164.817	1438.7	-113	0.9	-15.8	-0.7	16.6	209571	-0.7	
19	165.117	1438.6	-112.4	1.7	-15.3	-0.3	16.1	209760	-0.6	
19	165.417	1438.5	-113.6	0.1	-15	-1.3	15.6	209949	-0.4	
19	165.717	1438.4	-113.8	-0.7	-14.9	-1.7	15.1	210160	-0.2	
19	166.017	1438.4	-113.4	-0.1	-14.9	-0.6	14.9	210350	0.1	
19	166.317	1438.6	-114.1	-1.9	-14.6	-1.1	14.7	210540	0.1	
19	166.617	1438.3	-113.8	-1.5	-14.5	-0.5	14.4	210731	0.1	
19	166.917	1438	-114.5	-1.9	-14.6	-1.2	14.2	210858	0.1	
19	167.217	1437.8	-114.9	-1.9	-14.8	-0.8	14	210943	0.1	
19	167.517	1437.7	-114.8	-2	-14.8	-1	13.8	211007	0.2	
19	167.817	1437.6	-114.6	-1.5	-14.7	-0.3	13.5	211028	0.1	
19	168.117	1437.5	-113.7	-0.8	-14.7	0.2	13.2	210965	0.1	
19	168.417	1437.5	-114.1	-0.2	-14.7	-0.5	13.1	210795	0.1	
19	168.717	1437.6	-114.3	-1.2	-14.8	-0.2	13.2	210477	0.3	
19	169.017	1437.8	-114.7	-1.2	-14.8	-0.5	13.5	210012	0.5	
19	169.317	1438.1	-114.1	-1.3	-14.7	0	14	209445	0.4	
19	169.617	1438.4	-115	-1.7	-14.8	-0.7	14.5	208777	0.3	
19	169.917	1438.7	-114.7	-1.6	-15	-1.1	15.2	208010	0.1	
19	170.217	1439.2	-114.9	-1.7	-14.9	-1.7	15.9	207186	-0.3	
19	170.517	1439.6	-113.8	-0.4	-15	-1.8	16.5	206329	-1	
19	170.817	1439.8	-113.6	-0.6	-15	-2.3	17	205499	-1.7	
19	171.117	1439.8	-113.5	-0.5	-15	-3	17.1	204775	-2.4	
19	171.417	1439.8	-113.5	-1	-15	-3.6	17.1	204256	-3	
19	171.717	1439.7	-112.9	-0.3	-15.1	-3.5	16.8	204017	-3.4	
19	172.017	1439.7	-113	-1.3	-14.8	-4	16.4	204077	-3.9	
19	172.317	1439.3	-112.2	-0.1	-14.7	-3.8	15.8	204435	-4.3	
19	172.617	1438.9	-112.4	-0.9	-14.6	-4.1	15.1	205076	-4.6	
19	172.917	1438.6	-112.3	-0.2	-14.5	-4.1	14.5	205964	-4.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	173.217	1438.2	-111.9	-0.2	-14.6	-3.4	14	207064	-4.3	
19	173.517	1437.9	-111.5	0.5	-14.5	-2.9	13.5	208424	-4.1	
19	173.817	1437.7	-111.1	0.2	-14.6	-1.7	13.3	209907	-3.7	
19	174.117	1437.8	-111.5	-0.1	-14.6	-2	13.3	211412	-3.2	
19	174.417	1437.8	-110.9	0.8	-14.8	-0.7	13.4	212808	-2.7	
19	174.717	1437.7	-110.8	0.6	-14.9	-0.4	13.5	214027	-2.1	
19	175.017	1437.7	-110.9	0.1	-15	0.5	13.8	214993	-1.4	
19	175.317	1437.6	-111.8	-1.2	-15.1	0.5	14	215658	-0.6	
19	175.617	1437.8	-112.1	-1.3	-15	0.9	14.3	216014	0.2	
19	175.917	1438	-112	-1	-15.2	1.8	14.7	216014	1.1	
19	176.217	1438.2	-112.6	-1.3	-15.1	2	15	215702	2.1	
19	176.517	1438.5	-112.4	-0.8	-15	3.3	15.3	215060	2.8	
19	176.817	1438.8	-112.8	-1	-14.8	3.4	15.6	214114	3.5	
19	177.117	1438.9	-112.7	-0.3	-14.7	3.5	15.7	213025	3.9	
19	177.417	1438.9	-113.2	-0.2	-14.6	3.3	15.6	211925	4.2	
19	177.717	1438.8	-113.6	-1.2	-14.6	3.7	15.4	210922	4.3	
19	178.017	1438.8	-113.8	-0.2	-14.5	3.7	15.2	210034	4.2	
19	178.317	1439	-113.9	-0.1	-14.4	3.1	15.1	209278	3.9	
19	178.617	1438.9	-114	-0.6	-14.5	2.9	15	208715	3.2	
19	178.917	1438.6	-114.3	-0.2	-14.8	1.9	14.9	208403	2.7	
19	179.217	1438.3	-114.5	-0.7	-15	1.5	14.7	208362	2.1	
19	179.517	1438.1	-113.8	0.7	-15	1.5	14.5	208590	1.3	
19	179.817	1438.1	-113.8	1.1	-15	1.1	14.6	209027	0.7	
19	180.117	1438.3	-114.1	0.7	-14.9	0.6	14.8	209634	0.1	
19	180.417	1438.5	-114.5	0.1	-15	-0.5	15	210350	-0.3	
19	180.717	1438.6	-114.2	-0.5	-15.1	-0.6	15.1	211156	-0.6	
19	181.017	1438.6	-114.9	-0.8	-14.9	-1.6	15.1	212033	-0.9	
19	181.317	1438.5	-114.6	-0.3	-14.8	-1.1	15.2	212873	-1.1	
19	181.617	1438.4	-115	-0.3	-14.4	-0.9	15.2	213655	-1.1	
19	181.917	1438.2	-115.4	-1.3	-14.3	-2.7	15.1	214333	-1.2	
19	182.217	1438.1	-115.1	-0.1	-13.9	-2.1	14.9	214861	-1.1	
19	182.517	1438	-115.7	-1	-13.5	-2.6	14.4	215192	-0.9	
19	182.817	1438.1	-114.9	0	-12.9	-1.7	13.9	215347	-0.9	
19	183.117	1438.2	-114.6	-0.8	-12.3	-1.4	13.5	215303	-0.9	
19	183.417	1437.9	-114.4	-0.8	-12	-1.1	12.8	215104	-0.9	
19	183.717	1437.6	-115	-1.5	-11.8	-1.6	12.3	214751	-0.7	
19	184.017	1437	-115.8	-2.3	-12.1	-1.7	11.7	214311	-0.4	
19	184.317	1436.6	-114	-1.1	-12.5	0.5	11.5	213830	-0.3	
19	184.617	1436.1	-114.5	-1.5	-13.3	0.4	11.6	213372	-0.1	
19	184.917	1435.8	-113.9	-1.7	-14.2	1.2	12.2	212938	0	
19	185.217	1435.6	-113.8	-1.4	-15.2	1.2	13.1	212592	0	
19	185.517	1435.4	-114	-1.7	-16.2	0.7	14	212355	0.1	
19	185.817	1435.5	-113.6	-1.7	-16.8	0.7	15.1	212269	-0.1	
19	186.117	1435.8	-113.6	-2.1	-17.3	1	16.3	212334	-0.4	
19	186.417	1436.3	-114.1	-3	-17.6	0.2	17.6	212485	-0.7	
19	186.717	1437	-114.3	-2.8	-17.6	-1	18.7	212744	-1	
19	187.017	1437.5	-114.8	-3.9	-17.2	-1.9	19.2	213090	-1.3	
19	187.317	1437.6	-114.5	-3.7	-16.7	-2.2	19.1	213459	-1.6	
19	187.617	1437.3	-115	-4.1	-16.3	-3.4	18.5	213743	-1.9	
19	187.917	1436.9	-114.6	-2.8	-15.8	-3	17.7	213895	-2	
19	188.217	1436.4	-114.4	-2.3	-15.5	-2.8	16.8	213895	-1.9	
19	188.517	1436.1	-115.1	-3.1	-15	-3.3	15.8	213808	-1.8	
19	188.817	1435.6	-114.1	-1.5	-14.7	-2.1	14.7	213677	-1.5	
19	189.117	1435.2	-114.6	-2.2	-14.6	-2.1	13.7	213481	-1.2	
19	189.417	1434.9	-113.8	-1	-14.4	-0.6	12.9	213198	-0.9	
19	189.717	1434.6	-113.9	-1.2	-14.4	-0.5	12.4	212873	-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	190.017	1434.6	-113.3	-0.1	-14.3	0.5	12.3	212592	0	
19	190.317	1434.6	-113.2	0.4	-14.3	1.2	12.5	212420	0.3	
19	190.617	1434.8	-113.4	0.4	-14.2	0.9	12.7	212355	0.4	
19	190.917	1434.9	-113.6	0.3	-14.3	1.2	12.9	212377	0.5	
19	191.217	1435	-112.9	1.1	-14.4	1.5	13.2	212420	0.5	
19	191.517	1435.1	-113	1.3	-14.6	1.8	13.5	212506	0.6	
19	191.817	1435.3	-113.4	1.1	-14.6	1.1	13.7	212636	0.5	
19	192.117	1435.6	-112.9	0.9	-14.5	1.4	14	212765	0.3	
19	192.417	1435.9	-112.7	1.1	-14.5	1.2	14.3	212852	0	
19	192.717	1436	-113.5	0.6	-14.5	0.2	14.4	212787	-0.2	
19	193.017	1436.3	-113.4	1.1	-14.4	0.7	14.7	212614	-0.3	
19	193.317	1436.5	-113.4	0.8	-14.4	0.1	14.9	212312	-0.6	
19	193.617	1436.8	-113.7	1.2	-14.2	-0.7	15.1	211883	-0.8	
19	193.917	1437.2	-113.8	0.8	-14	-0.9	15.3	211327	-1	
19	194.217	1437.6	-114.1	0.9	-13.8	-0.9	15.5	210625	-1.2	
19	194.517	1437.6	-114	1.4	-13.9	-2.1	15.5	209865	-1.5	
19	194.817	1437.6	-114.5	0.6	-14	-2.2	15.5	209132	-1.6	
19	195.117	1437.5	-114.6	1.1	-14.1	-2.3	15.4	208548	-1.7	
19	195.417	1437.2	-115.4	-0.5	-14.4	-2.7	15.1	208196	-1.6	
19	195.717	1437	-114.6	0	-14.4	-2.6	14.7	208113	-1.7	
19	196.017	1436.8	-114.7	-0.3	-14.6	-2	14.4	208320	-1.6	
19	196.317	1436.7	-114.8	0.2	-14.8	-2.2	14.3	208840	-1.3	
19	196.617	1436.5	-115.4	0.4	-15.1	-2.1	14.1	209697	-1.2	
19	196.917	1436.4	-114	0	-15.1	-1.4	14	210837	-1.2	
19	197.217	1436.2	-115.1	-0.6	-15.2	-1.9	14	212183	-1	
19	197.517	1436.3	-114.5	-0.6	-15.3	-0.4	14.3	213568	-0.7	
19	197.817	1436.7	-115.3	-1.5	-15	-1.8	14.7	214839	-0.7	
19	198.117	1437	-114	0	-15	-0.3	15.2	215880	-0.7	
19	198.417	1437.1	-114.9	-1.3	-15	-1.7	15.5	216662	-0.7	
19	198.717	1437.2	-114	-0.4	-14.9	-0.4	15.6	217111	-0.8	
19	199.017	1437.4	-114.8	-0.7	-14.8	-1.1	15.8	217156	-0.9	
19	199.317	1437.4	-113.7	0.6	-14.9	-0.7	16	216796	-1	
19	199.617	1437.1	-113.9	0.9	-15.1	-0.4	16	216081	-0.9	
19	199.917	1437.1	-115	-0.5	-15.1	-2.2	15.9	215126	-1	
19	200.217	1436.8	-112.9	2.1	-15.3	0.2	15.6	214048	-1.1	
19	200.517	1436.7	-114.2	0.4	-15.4	-1.3	15.3	212917	-1.1	
19	200.817	1436.4	-113	1.4	-15.4	-0.6	15	211775	-1	
19	201.117	1436.3	-114	1.1	-15.4	-0.2	14.9	210752	-0.8	
19	201.417	1436.3	-113.8	0.3	-15.4	-0.6	14.8	209949	-0.6	
19	201.717	1436.2	-114	0.6	-15.4	-0.7	14.6	209320	-0.5	
19	202.017	1436.2	-113.7	0.1	-15.3	0.2	14.5	208881	-0.3	
19	202.317	1436.3	-113.1	0.8	-15.2	0.8	14.5	208631	-0.1	
19	202.617	1436.4	-113.1	0.2	-15.2	0.5	14.7	208590	-0.1	
19	202.917	1436.6	-114.1	-0.9	-14.7	-0.6	14.7	208715	-0.3	
19	203.217	1436.5	-111.9	1.5	-14.8	1.6	14.9	209027	-0.4	
19	203.517	1436.4	-115.2	-1.6	-14.6	-2	14.8	209424	-0.5	
19	203.817	1436.5	-112.8	0.1	-14.5	0.2	14.9	209844	-0.6	
19	204.117	1436.6	-113.9	-0.9	-14.5	-0.6	15	210266	-0.6	
19	204.417	1436.9	-114.4	-1	-14.3	-2.4	15.1	210689	-0.7	
19	204.717	1436.9	-113	-0.1	-14.3	-0.1	15.1	211007	-0.7	
19	205.017	1436.9	-114.5	-1.8	-14.3	-2.5	15	211177	-0.6	
19	205.317	1436.5	-113.5	0	-14.7	-0.6	14.8	211284	-0.4	
19	205.617	1436.3	-114.8	-1.4	-14.5	-2.9	14.4	211241	-0.3	
19	205.917	1436.1	-113.3	0.1	-14.3	0.5	14.1	211050	-0.3	
19	206.217	1435.9	-113.4	0.3	-14.2	-1.4	13.8	210795	-0.3	
19	206.517	1435.9	-113.8	0	-14	-1	13.5	210540	-0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	206.817	1436	-111.7	2.4	-13.6	1.1	13.3	210266	-0.4	
19	207.117	1435.9	-114.1	-0.1	-13.3	-1.8	12.9	210034	-0.6	
19	207.417	1436	-112.1	2.4	-12.9	0.6	12.7	209844	-0.8	
19	207.717	1436.1	-112.6	2	-12.6	-0.7	12.7	209781	-1.1	
19	208.017	1436.3	-112.4	3	-12.8	0.5	13	209781	-1.3	
19	208.317	1436.2	-113	1.6	-13.2	-1.7	13.3	209886	-1.5	
19	208.617	1436.1	-111.9	2.8	-13.8	0.8	13.8	210076	-1.8	
19	208.917	1436.1	-112.6	2.2	-14.5	-1	14.5	210287	-2	
19	209.217	1435.7	-112	3.4	-15.6	-1.4	15.3	210519	-2	
19	209.517	1435.7	-112.9	1.1	-16.3	-0.2	16.1	210773	-1.9	
19	209.817	1435.5	-112.5	2.6	-17.1	-1.6	16.7	210986	-1.8	
19	210.117	1435.5	-112.6	1.9	-17.5	-0.8	17.2	211177	-1.7	
19	210.417	1435.9	-113.6	1.7	-17.6	-1.8	17.7	211284	-1.5	
19	210.717	1436.1	-112.4	1.6	-17.5	-0.6	18	211327	-1.3	
19	211.017	1436.3	-115.7	-0.8	-16.9	-4.5	17.7	211263	-1.2	
19	211.317	1436.2	-113.4	0.6	-16.3	-2.2	17	211177	-1.1	
19	211.617	1436	-113.5	1.3	-15.8	-2	16.5	211071	-1	
19	211.917	1435.9	-115.2	-1.5	-15.1	-3.3	15.8	210922	-0.9	
19	212.217	1435.8	-113.2	0.7	-14.6	-1.7	15.2	210773	-0.8	
19	212.517	1435.5	-114.3	0.7	-14.2	-2.7	14.5	210646	-0.7	
19	212.817	1435.3	-114.2	-1.3	-14	-0.4	13.8	210562	-0.6	
19	213.117	1435	-113.2	1	-13.9	-1.4	13.2	210519	-0.5	
19	213.417	1434.9	-112.8	0.2	-14.1	1.7	13	210540	-0.3	
19	213.717	1434.8	-112	2	-14.3	1.4	13.1	210562	-0.2	
19	214.017	1434.9	-113.1	0.7	-14.3	-0.1	13.3	210604	-0.2	
19	214.317	1434.8	-112.7	1.3	-14.5	1.5	13.5	210667	-0.3	
19	214.617	1435	-112.2	1.5	-14.8	1.2	14	210816	-0.3	
19	214.917	1435	-111.9	1.2	-15.4	1.6	14.7	210986	-0.4	
19	215.217	1435.1	-115.2	-2.1	-15.4	-1.3	14.9	211135	-0.5	
19	215.517	1435.3	-112.3	1.8	-15.6	0.5	15.3	211241	-0.6	
19	215.817	1435.6	-113.8	-1.9	-15.8	-0.5	15.6	211241	-0.7	
19	216.117	1435.9	-113.8	1.4	-15.7	-1.5	15.6	211177	-0.8	
19	216.417	1435.8	-112.9	-0.1	-15.8	-0.2	15.5	211050	-0.8	
19	216.717	1435.8	-113.9	0	-15.7	-1.2	15.4	210858	-0.7	
19	217.017	1435.7	-114.3	0.1	-15.6	-1.9	15.1	210625	-0.7	
19	217.317	1435.8	-113.6	-0.6	-15.3	-1.1	14.9	210308	-0.6	
19	217.617	1435.8	-114.6	-0.1	-15	-0.2	14.6	209928	-0.4	
19	217.917	1436.3	-113.6	-0.1	-14.9	-0.5	14.7	209529	-0.2	
19	218.217	1436.8	-115.2	-0.4	-14.6	-1.2	14.7	209215	0	
19	218.517	1437.1	-114.1	-0.8	-14.4	-0.5	14.6	208965	0.1	
19	218.817	1437.3	-114	-0.6	-14.2	0.1	14.6	208777	0.3	
19	219.117	1437.4	-114.1	-0.3	-14.2	-0.1	14.7	208673	0.3	
19	219.417	1437.5	-114	-2.3	-14.1	0.1	14.8	208694	0.4	
19	219.717	1437.5	-114.3	-0.2	-14.5	-0.2	15	208840	0.4	
19	220.017	1437.4	-114.4	-2.3	-14.6	-0.5	15	209111	0.3	
19	220.317	1437.6	-114.2	-1.6	-14.8	-0.4	15.1	209508	0.2	
19	220.617	1437.8	-114.1	-1.7	-14.9	0.3	15.1	210034	0.1	
19	220.917	1438	-113.3	-0.3	-15.2	0.2	15.3	210646	-0.1	
19	221.217	1438	-114.8	-2.9	-15.3	-1.3	15.3	211241	-0.3	
19	221.517	1438	-113.4	-0.8	-15.3	-0.9	15.3	211797	-0.6	
19	221.817	1438	-113.1	-1.1	-15.4	0	15.3	212355	-0.9	
19	222.117	1438.1	-113.8	-0.9	-15.1	-0.9	15.2	212808	-1.3	
19	222.417	1438.1	-112.5	0	-14.7	-0.9	15.1	213133	-1.5	
19	222.717	1438.4	-113.7	-1.1	-14.6	-1	15.1	213264	-1.7	
19	223.017	1438.4	-113.5	0.1	-14.5	-1.5	14.9	213155	-1.9	
19	223.317	1438.6	-113	-0.6	-14.3	-1.8	14.8	212873	-2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	223.617	1438.7	-113.5	2.2	-14.2	-1.5	14.7	212463	-2.1	
19	223.917	1438.6	-112.2	1.2	-14.2	-1	14.7	211947	-2	
19	224.217	1438.6	-114.1	-0.6	-14.1	-2.6	14.7	211348	-1.8	
19	224.517	1438.5	-114	1.2	-13.9	-2.5	14.4	210689	-1.8	
19	224.817	1438.1	-111.8	1.4	-14.1	-0.8	14.3	210097	-1.4	
19	225.117	1438.1	-114.6	-0.3	-14.3	-2.4	14.3	209718	-1	
19	225.417	1438.2	-113.7	0.5	-14	-1.6	14.3	209445	-0.8	
19	225.717	1438.3	-113	0.2	-14.1	-0.8	14.4	209320	-0.7	
19	226.017	1438.3	-113.4	-0.6	-14.2	-0.8	14.4	209341	-0.6	
19	226.317	1438.2	-113	-1	-14.3	-1.6	14.4	209466	-0.5	
19	226.617	1438	-113.4	-0.3	-14.6	-0.5	14.4	209676	-0.3	
19	226.917	1437.9	-112.9	-0.2	-14.7	0.1	14.4	209991	-0.3	
19	227.217	1437.7	-112.3	-0.1	-14.8	-0.6	14.4	210308	-0.4	
19	227.517	1437.7	-112.6	-0.7	-15	0.8	14.5	210604	-0.4	
19	227.817	1437.5	-112.4	2.8	-15.3	-0.2	14.6	210858	-0.6	
19	228.117	1437.4	-112.9	-0.6	-15.3	-0.7	14.5	211135	-0.5	
19	228.417	1437.5	-112.9	0.9	-15.2	-0.5	14.5	211412	-0.5	
19	228.717	1437.6	-111.6	2.2	-15.1	0.4	14.7	211626	-0.6	
19	229.017	1437.9	-112.4	0.5	-14.9	0.4	15	211775	-0.6	
19	229.317	1438	-112.6	1.3	-14.8	-0.7	15.2	211883	-0.8	
19	229.617	1438.1	-112.4	1.9	-14.6	-0.8	15.4	211968	-0.8	
19	229.917	1438.2	-113.1	0.5	-14.4	-1.4	15.4	212054	-0.9	
19	230.217	1438.2	-111.9	2.7	-14	-0.6	15.3	212097	-1.1	
19	230.517	1438.1	-112.3	1.3	-13.9	-1.3	15.2	212140	-1.2	
19	230.817	1438	-112.3	2.9	-13.8	-0.9	15.1	212140	-1.4	
19	231.117	1437.8	-112.3	1.8	-13.8	-1.8	14.9	212183	-1.4	
19	231.417	1437.6	-113.4	0.6	-13.7	-2.1	14.4	212248	-1.4	
19	231.717	1437.2	-112.5	1.6	-13.9	-1.5	13.9	212334	-1.4	
19	232.017	1436.9	-112.6	1.4	-14.3	-1.4	13.7	212463	-1.3	
19	232.317	1436.6	-112.5	1.8	-14.8	-0.2	13.7	212614	-0.9	
19	232.617	1436.4	-112.5	1.9	-15.3	-0.7	13.9	212787	-0.5	
19	232.917	1436.3	-111.5	2.7	-15.9	0.7	14.3	213025	-0.4	
19	233.217	1435.9	-112.8	1.3	-16.5	-0.7	14.5	213264	-0.2	
19	233.517	1435.8	-112.2	1.1	-16.9	0.5	14.9	213525	0.1	
19	233.817	1435.9	-113	1.8	-17.2	0.4	15.5	213764	0.3	
19	234.117	1436.3	-112.2	1.2	-17.1	0.5	16.1	213983	0.2	
19	234.417	1436.8	-112.6	0.5	-16.8	0.5	16.6	214136	0	
19	234.717	1437.2	-113.4	0.4	-16.3	-0.8	16.8	214158	-0.2	
19	235.017	1437.5	-112.7	-0.2	-15.6	-0.6	16.5	214114	-0.5	
19	235.317	1437.7	-112.9	0.8	-15	-1.2	16.2	214048	-0.6	
19	235.617	1437.8	-112.2	1.3	-14.2	-0.1	15.9	213939	-0.9	
19	235.917	1437.8	-112.9	0.1	-13.8	-1.1	15.5	213808	-1.1	
19	236.217	1437.7	-112.8	0.7	-13.5	-0.8	15	213677	-1.2	
19	236.517	1437.5	-112.5	-0.3	-13.5	-1	14.5	213590	-1.2	
19	236.817	1437.1	-113.6	0.5	-13.6	-1.7	13.9	213568	-0.9	
19	237.117	1436.8	-113	1	-13.9	-0.1	13.6	213590	-0.6	
19	237.417	1436.7	-112.7	-0.9	-14.2	0.2	13.5	213655	-0.3	
19	237.717	1436.6	-113.1	1.5	-14.5	-0.3	13.4	213743	0	
19	238.017	1436.4	-113.2	0.5	-14.9	-0.5	13.4	213873	0.3	
19	238.317	1436.3	-113.7	-0.7	-15	-0.5	13.4	213983	0.7	
19	238.617	1436.4	-113.3	0.1	-15.1	0.5	13.6	214070	0.9	
19	238.917	1436.6	-113.3	-0.3	-15.1	0.3	13.9	214136	0.9	
19	239.217	1436.9	-113	0.4	-14.9	1	14.2	214224	0.9	
19	239.517	1437	-113.6	-0.7	-14.6	0	14.4	214333	0.8	
19	239.817	1437.3	-113.8	-1.5	-14.4	-0.3	14.6	214443	0.8	
19	240.117	1437.7	-112.7	-0.1	-14.1	0.7	14.8	214531	0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	240.417	1437.9	-112.5	-0.1	-13.7	0.9	14.9	214553	0.1	
19	240.717	1438	-112.1	0.8	-13.8	0.7	15.1	214531	-0.3	
19	241.017	1438.1	-113	-0.1	-13.6	-0.5	15.1	214487	-0.7	
19	241.317	1438.1	-112.9	-1.3	-13.5	-1.1	15	214399	-1.1	
19	241.617	1438	-112.5	-0.1	-13.6	-0.9	14.9	214224	-1.5	
19	241.917	1437.7	-112.6	0	-13.9	-1.2	14.7	213961	-1.7	
19	242.217	1437.6	-112.7	-0.3	-14	-1.4	14.5	213699	-1.8	
19	242.517	1437.4	-112.7	0.4	-14.3	-1.8	14.3	213481	-1.8	
19	242.817	1437.1	-113.4	-1.5	-14.5	-2.1	14	213329	-1.4	
19	243.117	1437	-112.4	-0.1	-14.6	-1.5	13.8	213285	-1.3	
19	243.417	1436.8	-113	-0.7	-14.8	-1.3	13.6	213307	-1.1	
19	243.717	1436.7	-112.5	-0.2	-15.1	-0.7	13.6	213372	-0.9	
19	244.017	1436.6	-113.2	0.2	-15.2	-1.3	13.7	213525	-0.7	
19	244.317	1436.8	-112.5	0	-15.1	-0.7	14	213764	-0.5	
19	244.617	1437	-112.4	0.2	-15.3	-0.4	14.3	214048	-0.6	
19	244.917	1437.2	-112.8	-0.3	-15.2	-0.6	14.5	214311	-0.6	
19	245.217	1437.4	-112.9	-0.4	-15.1	-0.9	14.6	214487	-0.6	
19	245.517	1437.7	-112.4	-0.9	-14.9	-0.4	14.8	214597	-0.6	
19	245.817	1438	-112.7	0.1	-14.9	-0.7	15	214685	-0.7	
19	246.117	1438.2	-112.6	-0.4	-14.6	-0.7	15	214773	-0.8	
19	246.417	1438.3	-112.7	0.3	-14.4	-0.5	14.8	214861	-1	
19	246.717	1438.1	-112.1	0.1	-14.5	-0.9	14.5	214949	-1.1	
19	247.017	1438.3	-112.6	0	-14.2	-1.1	14.3	214971	-1.1	
19	247.317	1438.5	-112.8	0.6	-13.9	-1.4	14.1	214993	-1.2	
19	247.617	1438.6	-111.9	0.8	-13.7	-0.3	14.1	215038	-1.3	
19	247.917	1438.7	-112.7	0.2	-13.6	-1.2	14	215060	-1.3	
19	248.217	1438.9	-112.4	-0.2	-13.4	-1	14	214993	-1.4	
19	248.517	1438.9	-112.9	0	-13.5	-0.9	14.1	214795	-1.1	
19	248.817	1439.2	-113.1	-0.3	-13.4	-0.8	14.4	214553	-0.9	
19	249.117	1439.3	-112.1	0.4	-13.3	0.1	14.6	214311	-0.9	
19	249.417	1439.4	-112.7	0.9	-13.4	-0.7	14.7	214114	-0.9	
19	249.717	1439.4	-112.3	0.7	-13.6	0.1	14.9	213983	-0.9	
19	250.017	1439.1	-113	-0.3	-13.8	-1	15	213917	-1	
19	250.317	1439	-113.2	-0.1	-14	-0.6	15.2	213895	-0.9	
19	250.617	1438.6	-112.9	0.3	-14.6	-0.4	15.3	213939	-1	
19	250.917	1438.4	-113.6	0.1	-14.8	-0.8	15.3	214070	-0.9	
19	251.217	1438.1	-113.7	-0.4	-15.3	-0.8	15.3	214224	-0.8	
19	251.517	1437.9	-114	-0.7	-15.4	-1.4	15.2	214377	-0.7	
19	251.817	1437.8	-113.3	-0.3	-15.6	-0.4	15.1	214487	-0.7	
19	252.117	1437.6	-113.9	-0.3	-15.7	-1.1	14.9	214487	-0.6	
19	252.417	1437.2	-114.1	-0.3	-16	-1	14.7	214399	-0.4	
19	252.717	1437	-114.3	-1.6	-16.2	-0.6	14.6	214246	-0.2	
19	253.017	1436.9	-114.5	-2	-16.1	-0.9	14.5	214048	-0.2	
19	253.317	1436.8	-114.6	-2.5	-15.9	-0.4	14.4	213852	-0.2	
19	253.617	1436.9	-114.3	-1.3	-15.8	-0.3	14.6	213655	-0.2	
19	253.917	1437	-114.5	-1.6	-15.6	-0.6	14.8	213481	-0.3	
19	254.217	1437.3	-114.5	-2	-15.1	-1.2	15	213329	-0.6	
19	254.517	1437.5	-114.4	-1.8	-14.8	-0.8	15.3	213285	-0.9	
19	254.817	1437.9	-114.1	-1.4	-14.1	-1	15.6	213329	-1.2	
19	255.117	1438.1	-114.6	-1.9	-13.5	-1.7	15.7	213394	-1.5	
19	255.417	1438.3	-114.8	-1.4	-13.2	-1.8	15.7	213437	-1.8	
19	255.717	1438.3	-115.2	-2.8	-13.2	-2.1	15.5	213459	-2.1	
19	256.017	1438.2	-114.6	-1.6	-13.5	-2	15.1	213481	-2.3	
19	256.317	1437.7	-114.3	-1.8	-13.9	-1.8	14.6	213459	-2.3	
19	256.617	1437	-114.5	-1.3	-14.5	-1.6	14.1	213394	-2.1	
19	256.917	1436.3	-115.1	-2.6	-15.1	-1.7	13.8	213264	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	257.217	1435.6	-114.6	-2.2	-15.8	-0.9	13.5	213112	-1.5	
19	257.517	1434.9	-114.6	-1.8	-16.4	-0.6	13.3	212917	-1.2	
19	257.817	1434.7	-115.2	-2.3	-16.8	-0.6	13.3	212722	-0.9	
19	258.117	1435.3	-115.9	-3.5	-16.7	-0.8	13.7	212528	-0.7	
19	258.417	1436.3	-115.5	-2.8	-16.4	-0.6	14.3	212334	-0.6	
19	258.717	1437	-115.1	-2.5	-16	-0.2	14.7	212183	-0.7	
19	259.017	1437.5	-115.5	-2.8	-15.5	-1	15	212076	-0.8	
19	259.317	1437.7	-115.8	-3.7	-15.1	-1	15.1	211990	-0.8	
19	259.617	1437.8	-116.2	-3.6	-14.7	-1.7	15	211861	-0.9	
19	259.917	1437.9	-115.7	-2.9	-14.1	-0.9	14.9	211754	-0.9	
19	260.217	1438.2	-116.2	-4.3	-13.8	-1	14.9	211690	-1	
19	260.517	1438.3	-116.4	-3.7	-13.7	-1.3	14.7	211668	-1	
19	260.817	1438.6	-116.4	-4	-13.6	-1.2	14.5	211690	-0.9	
19	261.117	1438.9	-116.9	-4	-13.4	-1.9	14.4	211733	-0.8	
19	261.417	1439	-116.1	-3	-13.3	-1	14.3	211797	-0.7	
19	261.717	1439.1	-116.2	-4.1	-13.4	-0.9	14.4	211883	-0.7	
19	262.017	1439.4	-116.3	-3.6	-13.3	-0.9	14.7	212033	-0.7	
19	262.317	1439.3	-116.9	-4.6	-13.5	-1.9	14.9	212183	-0.6	
19	262.617	1439.4	-117.1	-4.1	-13.7	-1.8	15	212334	-0.6	
19	262.917	1439.3	-116.3	-3.1	-13.8	-1.1	14.9	212506	-0.6	
19	263.217	1439.1	-116.7	-3.8	-14.1	-1.7	14.7	212679	-0.7	
19	263.517	1438.8	-116.5	-2.9	-14.4	-1.2	14.5	212852	-0.7	
19	263.817	1438.5	-116.1	-2.4	-14.6	-1	14.4	213090	-0.5	
19	264.117	1438.4	-116.2	-2.2	-14.7	-1	14.4	213351	-0.4	
19	264.417	1438.1	-116	-2.7	-14.8	-1.1	14.2	213612	-0.4	
19	264.717	1438	-115.4	-1.5	-14.6	-0.1	14.1	213895	-0.6	
19	265.017	1438	-115.6	-1.5	-14.6	-0.2	14.2	214180	-0.5	
19	265.317	1438.1	-115.3	-1	-14.5	-0.3	14.4	214421	-0.5	
19	265.617	1438.3	-114.9	-0.4	-14.5	0.3	14.7	214597	-0.5	
19	265.917	1438.5	-115	-0.4	-14.4	-0.2	14.9	214641	-0.7	
19	266.217	1438.4	-115	-0.7	-14.5	-0.6	15.1	214553	-0.8	
19	266.517	1438.4	-115.1	-0.6	-14.4	-0.6	15.1	214333	-0.8	
19	266.817	1438	-114.4	0.1	-14.7	-0.1	15.1	214005	-0.9	
19	267.117	1437.7	-114.9	-0.5	-14.9	-0.6	15	213633	-0.9	
19	267.417	1437.4	-114.6	-0.5	-15.3	0	15	213242	-0.8	
19	267.717	1437.2	-114.7	-0.1	-15.5	-0.2	15	212895	-0.7	
19	268.017	1437.1	-114.7	0.1	-15.5	-0.3	14.9	212657	-0.6	
19	268.317	1437.1	-114.5	0.7	-15.5	0.2	14.9	212636	-0.6	
19	268.617	1437.1	-114.2	0.4	-15.3	0.7	14.8	212873	-0.6	
19	268.917	1437.1	-114.4	-0.1	-15.4	1	14.9	213307	-0.4	
19	269.217	1437.1	-114.5	0	-15.2	0.3	15	213895	-0.3	
19	269.517	1437.2	-115	0.1	-15.2	0.5	15.3	214619	-0.2	
19	269.817	1437.4	-115.2	-0.6	-14.9	-0.3	15.4	215391	-0.1	
19	270.117	1437.2	-115	-0.4	-14.8	0.1	15.3	216170	-0.1	
19	270.417	1437.1	-115.2	0	-14.8	-0.1	15.3	216931	-0.1	
19	270.717	1436.9	-115.6	0.3	-14.9	-0.9	15.2	217607	-0.2	
19	271.017	1436.8	-116	-0.5	-14.8	-1.4	15.1	218197	-0.2	
19	271.317	1436.8	-116.5	-1.4	-14.7	-1.9	15	218721	-0.1	
19	271.617	1436.7	-115.7	-0.2	-14.6	-1.2	14.8	219179	-0.1	
19	271.917	1436.4	-116.5	-0.7	-14.6	-1.9	14.4	219547	-0.1	
19	272.217	1436.3	-115.5	0.7	-14.6	-0.8	14.2	219893	0	
19	272.517	1436.2	-115.8	-0.1	-14.5	-1.3	14	220240	0.2	
19	272.817	1436.1	-115.8	0.4	-14.3	-1.2	13.8	220611	0.4	
19	273.117	1436.1	-115.3	1.1	-14.2	-0.6	13.7	220983	0.5	
19	273.417	1436	-115.5	0.9	-14.4	-0.4	13.6	221357	0.7	
19	273.717	1435.9	-115	1.9	-14.5	0.1	13.5	221709	0.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	274.017	1435.8	-114.7	1.4	-14.8	0.3	13.6	222108	1	
19	274.317	1435.9	-114.3	1.9	-15	0.6	13.8	222628	1.1	
19	274.617	1436	-114.2	2.1	-15.2	0.3	14	223221	1.2	
19	274.917	1436.1	-113.6	3.3	-15.5	0.9	14.3	223890	1.2	
19	275.217	1436.2	-113.2	3.9	-15.7	0.7	14.6	224658	1.1	
19	275.517	1436.4	-112.8	3.5	-15.9	0.4	14.9	225529	0.9	
19	275.817	1436.8	-112.8	3.9	-15.7	-0.2	15.3	226530	0.8	
19	276.117	1437	-112.2	4.3	-15.6	-0.5	15.5	227613	0.6	
19	276.417	1437.4	-112.3	3.8	-15.2	-1	15.6	228757	0.4	
19	276.717	1437.8	-111.2	5	-14.8	-0.9	15.6	229887	0.1	
19	277.017	1438.2	-111.1	4.9	-14.5	-1.1	15.5	231003	0	
19	277.317	1438.5	-110.7	4.7	-14	-2	15.3	232104	-0.2	
19	277.617	1438.5	-109.8	5.8	-13.6	-1.6	14.9	233216	-0.3	
19	277.917	1438.6	-109.3	6	-13.2	-1.9	14.4	234364	-0.4	
19	278.217	1438.5	-108	6.9	-12.8	-1.2	13.8	235524	-0.5	
19	278.517	1438.3	-107.2	7.8	-12.4	-1	13.2	236722	-0.6	
19	278.817	1438.2	-107.1	7.9	-12.1	-1.5	12.7	237879	-0.6	
19	279.117	1438.2	-106.2	8.9	-11.8	-1.4	12.3	239074	-0.7	
19	279.417	1438.3	-105.8	8.6	-11.5	-1.6	11.8	240308	-0.8	
19	279.717	1438.3	-104.3	10.6	-11.4	-0.9	11.5	241667	-0.8	
19	280.017	1438.3	-103.9	10.7	-11.4	-0.7	11.4	243070	-0.7	
19	280.317	1438.4	-102.9	11.8	-11.5	-0.1	11.5	244461	-0.7	
19	280.617	1438.2	-101.9	12.8	-11.7	0	11.7	245838	-0.6	
19	280.917	1438	-101.4	13.1	-12	-0.1	11.9	247202	-0.5	
19	281.217	1437.8	-100.1	14.1	-12.3	1.1	12.1	248582	-0.5	
19	281.517	1437.6	-99.8	14.6	-12.7	0.9	12.3	250006	-0.3	
19	281.817	1437.8	-98.9	15.6	-12.9	1.3	12.8	251447	-0.2	
19	282.117	1437.9	-97.7	17.3	-13.1	1.5	13.2	252844	-0.3	
19	282.417	1438.1	-97.9	17.3	-13	0.8	13.4	254256	-0.3	
19	282.717	1438.1	-97.6	17.4	-13	-0.2	13.4	255653	-0.4	
19	283.017	1438	-97	18.2	-12.9	-0.1	13.3	257066	-0.4	
19	283.317	1437.8	-96.4	19.2	-12.6	0	13.1	258494	-0.3	
19	283.617	1437.8	-96.2	19.8	-12.4	-0.7	13	259970	-0.3	
19	283.917	1437.8	-95.9	20.6	-12.1	-0.8	12.7	261529	-0.3	
19	284.217	1437.5	-95	20.7	-12.2	-1.1	12.2	263205	-0.3	
19	284.517	1437.3	-94.8	21.7	-12.1	-1.7	11.7	265004	-0.1	
19	284.817	1437.2	-94.1	21.4	-12	-1.1	11.3	266930	0	
19	285.117	1437	-92.7	23.1	-11.9	-0.4	11	268987	0.1	
19	285.417	1436.9	-92.8	23	-11.7	-0.9	10.8	271287	0.3	
19	285.717	1436.7	-92.1	23.2	-11.7	-1	10.6	273806	0.3	
19	286.017	1436.6	-91.6	23.9	-11.7	-0.8	10.5	276554	0.6	
19	286.317	1436.9	-91.1	23.9	-11.6	-0.5	10.5	279470	0.6	
19	286.617	1437.1	-89.5	25.2	-11.3	0	10.6	282487	0.6	
19	286.917	1437.5	-88.6	25.7	-11.2	0.5	10.7	285569	0.5	
19	287.217	1437.6	-88	26.2	-11	0.1	10.7	288719	0.4	
19	287.517	1437.7	-86.7	26.9	-10.9	0.1	10.7	291858	0.2	
19	287.817	1437.7	-86.1	27.1	-10.9	0.3	10.6	294817	0.1	
19	288.117	1437.8	-85.2	27.6	-10.7	0.2	10.5	297582	-0.1	
19	288.417	1437.8	-84.2	28.6	-10.6	0.5	10.4	300055	-0.3	
19	288.717	1438.1	-84.1	28.1	-10.5	0	10.5	302308	-0.4	
19	289.017	1438.2	-82.9	29.4	-10.4	0	10.5	304374	-0.5	
19	289.317	1438.6	-82.3	28.9	-10.2	-0.3	10.5	306333	-0.5	
19	289.617	1438.7	-81.2	29.9	-10.1	-0.2	10.4	308181	-0.6	
19	289.917	1438.9	-80.4	30.3	-9.9	-0.5	10.4	309915	-0.6	
19	290.217	1439.1	-79.8	30	-9.7	-0.5	10.4	311668	-0.5	
19	290.517	1439.3	-79	30.3	-9.8	-0.5	10.5	313394	-0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	290.817	1439.3	-78.4	29.6	-9.8	-0.7	10.5	315186	0	
19	291.117	1439.2	-77.9	29.3	-10	-0.6	10.4	317048	0.2	
19	291.417	1439.1	-77.3	29.8	-9.9	-0.4	10.2	319125	0.5	
19	291.717	1439.2	-76.4	29.8	-9.8	-0.2	10	321379	0.7	
19	292.017	1439.2	-75.2	30.6	-9.9	0.2	9.8	323864	0.7	
19	292.317	1439.1	-74.3	30	-9.9	0.1	9.6	326541	0.9	
19	292.617	1439.2	-73.5	30.4	-9.8	0.5	9.5	329625	0.9	
19	292.917	1439.3	-72.2	30.7	-9.5	1.4	9.3	333245	0.9	
19	293.217	1439.3	-71.1	30.8	-9.2	1.4	9.2	337271	0.7	
19	293.517	1439.5	-70.2	31.2	-8.6	1.9	9	341562	0.5	
19	293.817	1439.4	-70	30.1	-8.1	1.1	8.7	346079	0.2	
19	294.117	1439.4	-68.7	31.1	-7.8	1.5	8.5	350599	-0.3	
19	294.417	1439.8	-68.2	30.7	-7.1	0.6	8.4	355058	-0.7	
19	294.717	1439.9	-66.6	31.1	-6.7	1.2	8.3	359385	-1.2	
19	295.017	1439.9	-66.4	31.5	-6.7	0.2	8.3	363376	-1.5	
19	295.317	1439.7	-66.5	31.1	-6.8	-0.9	8	367007	-1.5	
19	295.617	1439.3	-65.3	31.7	-7	-0.4	7.8	370252	-1.4	
19	295.917	1439	-65.3	31.1	-7.6	-0.7	7.7	373155	-0.9	
19	296.217	1438.5	-64.5	31.7	-8.1	-0.2	7.6	375767	-0.4	
19	296.517	1438.2	-64.7	31.2	-8.5	-0.4	7.6	378142	0.3	
19	296.817	1437.9	-63.8	31.2	-9	0.5	7.6	380340	1	
19	297.117	1437.5	-63.6	31.2	-9.4	-0.2	7.5	382564	1.6	
19	297.417	1437.5	-62.6	31.5	-9.4	1.4	7.5	384955	2.2	
19	297.717	1437.8	-62	30.7	-9.1	1.8	7.7	387520	2.7	
19	298.017	1437.8	-61.6	31.2	-9	1.5	7.8	390338	3.1	
19	298.317	1438.3	-60.9	31.2	-8.5	2.3	8	393344	3.2	
19	298.617	1438.6	-59.4	32.2	-8	2.8	8	396773	3	
19	298.917	1438.8	-59.2	31.9	-7.5	2.7	8	400645	2.9	
19	299.217	1438.8	-58.5	31	-7.3	2.2	7.9	405141	2.5	
19	299.517	1438.9	-57.1	31.5	-6.8	2.7	7.7	410061	2	
19	299.817	1438.8	-57.2	30.8	-7	1.7	7.7	415266	1.9	
19	300.117	1438.7	-55.7	31	-7.1	2	7.6	420773	1.2	
19	300.417	1438.7	-54.7	31.4	-7	2.1	7.8	426603	0.5	
19	300.717	1438.7	-54.8	30.4	-7.1	0.3	7.9	432686	-0.3	
19	301.017	1438.7	-53.9	30.3	-7.2	-0.6	8	439037	-1.2	
19	301.317	1438.5	-53.4	30.7	-7.2	-1.3	7.8	445387	-1.9	
19	301.617	1438.5	-52.6	30.3	-7.1	-1.7	7.7	451535	-2.5	
19	301.917	1438.5	-52.1	30.2	-7.3	-2.9	7.8	457554	-3	
19	302.217	1438.7	-51.4	29.8	-7.1	-2.6	7.9	463427	-3.2	
19	302.517	1438.6	-51.1	29.3	-6.6	-3.7	7.4	469138	-3.1	
19	302.817	1438.1	-51	28.8	-6.3	-3.9	6.5	474669	-2.8	
19	303.117	1437.6	-49.9	29.1	-6.1	-2.5	5.8	480111	-2.3	
19	303.417	1437.3	-49.6	28.8	-5.9	-2.4	5.3	485567	-1.8	
19	303.717	1437	-48.9	29	-6	-1.6	5	490803	-1.2	
19	304.017	1437	-48.2	29.1	-6.1	-1.1	4.9	495917	-0.6	
19	304.317	1437	-47.3	29.1	-6.1	-0.1	4.7	501020	-0.1	
19	304.617	1437	-46.9	28.3	-6.3	-0.2	4.6	506351	0.3	
19	304.917	1437	-45.2	29.1	-6.7	1.4	4.9	511922	0.7	
19	305.217	1437.1	-45	28.5	-7	1.7	5.3	517873	1.1	
19	305.517	1437.2	-44.6	27.6	-7.2	1.5	5.8	523702	1.4	
19	305.817	1437.1	-44.1	27	-7.7	1.7	6.2	529530	1.6	
19	306.117	1437.4	-43.7	26.5	-7.6	1.7	6.6	535763	1.8	
19	306.417	1437.8	-42.9	27.1	-7.5	2	7	542425	1.8	
19	306.717	1438.3	-42.5	26.2	-7.2	1.7	7.4	549544	1.7	
19	307.017	1438.7	-41.4	26.8	-6.8	1.4	7.5	557148	1.4	
19	307.317	1439	-40.8	25.8	-6	0.8	7.3	565117	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	307.617	1439.4	-40.3	26.1	-5.4	0.9	7.1	573633	0.7	
19	307.917	1439.6	-39.5	27	-4.7	0.5	6.7	583220	0.2	
19	308.217	1439.9	-38.8	26.5	-3.9	0.3	6.4	593637	-0.2	
19	308.517	1439.7	-38.3	27	-3.5	-0.2	5.8	604958	-0.7	
19	308.817	1439.6	-37.9	26.6	-3.2	-0.7	5.4	616537	-1	
19	309.117	1439.2	-37.7	27	-3.2	-1.5	4.7	628379	-1.3	
19	309.417	1439	-35.9	27.9	-3.1	-0.3	4.3	640097	-1.3	
19	309.717	1438.5	-35.9	27.7	-3.3	-0.9	4	651247	-1.3	
19	310.017	1438.3	-36	26.6	-3.5	-1.3	3.8	662372	-1.2	
19	310.317	1438	-35.1	26.9	-3.9	-1.1	3.6	673017	-1	
19	310.617	1437.8	-34.6	27	-4.2	-0.8	3.6	684011	-0.8	
19	310.917	1437.3	-33.9	27	-4.6	-0.7	3.5	695831	-0.6	
19	311.217	1437.1	-33.6	25.8	-4.9	-0.3	3.6	708787	-0.3	
19	311.517	1437	-32.6	26.6	-5	0.3	3.8	722483	-0.2	
19	311.817	1436.8	-32.3	26.2	-5.1	-0.7	3.9	737758	-0.1	
19	312.117	1436.6	-31.7	25.4	-4.9	-0.1	4	754779	0	
19	312.417	1436.6	-31.5	25.7	-4.8	0.1	4.1	773460	0.2	
19	312.717	1436.9	-30.5	25.2	-4.5	0.3	4.3	791889	0.1	
19	313.017	1437	-30.4	24.3	-4.5	-0.3	4.3	808712	0.2	
19	313.317	1437.2	-29.3	25.5	-4	0.5	4.3	823989	0.2	
19	313.617	1437.3	-29.2	24.7	-4	0.3	4.4	837837	0.3	
19	313.917	1437.2	-28.5	24.9	-4	0	4.3	850774	0.1	
19	314.217	1437	-27.5	25.1	-4.1	0.4	4.2	863048	-0.1	
19	314.517	1436.6	-27.4	24.7	-4.2	-0.2	4	874219	-0.2	
19	314.817	1436.4	-26.9	24.5	-4.1	0.3	3.8	885308	-0.2	
19	315.117	1436.3	-26.4	24.7	-4.1	-0.2	3.6	898221	-0.4	
19	315.417	1436.5	-25.2	25.8	-3.6	0.6	3.5	913505	-0.5	
19	315.717	1436.6	-25.3	24.6	-3.4	-0.3	3.4	932214	-0.5	
19	316.017	1436.8	-24.9	24.7	-2.8	-0.5	3.1	954744	-0.3	
19	316.317	1436.9	-24.1	24.8	-2.3	0.1	2.8	981600	0	
19	316.617	1437	-23.7	24.5	-1.8	-0.2	2.6	1013924	0.3	
19	316.917	1436.9	-23	24.3	-1.4	0.3	2.4	1052666	0.6	
19	317.217	1436.8	-23.2	23.7	-1.2	-0.5	2.2	1097355	0.9	
19	317.517	1436.6	-22.7	22.5	-1.3	-0.1	2	1146633	1.3	
19	317.817	1436.2	-22.2	22.8	-1.6	-0.4	1.7	1202615	1.6	
19	318.117	1436	-21.7	22.9	-1.8	0	1.5	1262818	1.6	
19	318.417	1435.8	-20.1	24	-2.1	0.7	1.4	1327680	1.5	
19	318.717	1435.7	-19.8	23.9	-2.4	0.2	1.5	1394905	1.5	
19	319.017	1435.4	-18.9	24	-2.7	0.4	1.6	1465187	1.3	
19	319.317	1435.3	-18	24.5	-2.8	0.4	1.8	1533884	1	
19	319.617	1435.3	-16.8	24.6	-3	0.8	2.1	1600727	0.3	
19	319.917	1435.5	-16.2	24.6	-2.9	0.3	2.3	1665673	-0.1	
19	320.217	1435.8	-15.2	25.1	-2.7	0.6	2.6	1728944	-0.3	
19	320.517	1436.1	-14.9	24.6	-2.5	0.2	2.8	1789531	-0.4	
19	320.817	1436.3	-13.7	25.1	-2.1	0.1	2.7	1849603	-0.5	
19	321.117	1436.3	-12.9	25.4	-1.8	0.2	2.5	1906877	-0.6	
19	321.417	1436.1	-12.2	25.7	-1.5	0.2	2.2	1962278	-0.5	
19	321.717	1435.7	-11.8	25.9	-1.2	0.2	1.7	2020995	-0.3	
19	322.017	1435.5	-11.3	24.6	-1	0	1.4	2083334	-0.1	
19	322.317	1435.5	-10.5	25.4	-0.9	0.5	1.2	2149641	0.1	
19	322.617	1435.5	-10	26	-0.8	0.3	1.1	2225027	0.1	
19	322.917	1435.5	-9.4	25.7	-0.7	0.4	1	2318661	0.2	
19	323.217	1435.5	-8.4	26.2	-0.7	0.6	1	2426130	0.3	
19	323.517	1435.5	-7.7	26.2	-0.7	0.7	1.1	2550244	0.3	
19	323.817	1435.3	-7	26.6	-0.7	0.6	1.2	2698132	0.4	
19	324.117	1435.2	-6.6	26	-0.8	0.7	1.4	2868151	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	324.417	1434.9	-6.1	26.2	-1.3	0.4	1.6	3065520	-0.1	
19	324.717	1434.8	-5.6	26.1	-1.3	0.1	1.6	3281740	-0.3	
19	325.017	1434.5	-5.2	26.3	-1.6	-0.4	1.5	3524832	-0.5	
19	325.317	1434.3	-4.2	26.3	-1.5	0	1.4	3786167	-0.6	
19	325.617	1434.1	-3.7	26.7	-1.5	-0.7	1.2	4073444	-1	
19	325.917	1433.8	-3.4	25.9	-1.4	-0.6	0.9	4389413	-1	
19	326.217	1433.6	-2.3	26.9	-1.2	-0.1	0.6	4726298	-1.1	
19	326.517	1433.5	-2.4	26.1	-0.9	-0.5	0.2	5069613	-1	
19	326.817	1433.6	-2	25.5	-0.3	-0.4	-0.2	5452474	-0.9	
19	327.117	1433.6	-1.5	25.9	0.2	-0.3	-0.6	5897888	-0.7	
19	327.417	1433.6	-0.6	26.3	0.6	0.1	-0.9	6383384	-1	
19	327.717	1433.4	-0.2	26.2	1	-0.1	-1.4	6932947	-0.9	
19	328.017	1433.3	0.3	25.5	1.2	0	-1.6	7558664	-0.9	
19	328.317	1433.2	0.2	25.5	1.5	-0.3	-1.7	8243110	-0.8	
19	328.617	1433.2	0.4	25.3	1.6	-0.3	-1.8	8986052	-0.7	
19	328.917	1433.2	0.7	24.8	1.5	-0.1	-1.8	9970238	-0.7	
19	329.217	1433.2	1.1	24.8	1.2	0.2	-1.7	11379076	-0.6	
19	329.517	1433.2	1.7	24.7	0.7	0.7	-1.4	13335987	-0.5	
19	329.817	1433.3	1.8	25	0.4	0.1	-1.1	16617064	-0.4	
19	330.117	1433.3	2.1	24.8	0.1	0.3	-0.8		-0.2	
19	330.417	1433.3	2.4	24.6	0	0.5	-0.5		-0.2	
19	330.717	1433	2.7	24.4	-0.6	0.5	-0.2		-0.2	
19	331.017	1433.1	2.3	22.4	-0.7	0.2	0.1		-0.1	
19	331.317	1433.5	2.6	22.4	-0.7	0.5	0.5		-0.1	
19	331.617	1433.7	2.6	21.5	-0.7	0.3	0.7		-0.1	
19	331.917	1434.1	2.4	20.4	-0.3	-0.1	0.8	-1.5E+07	-0.2	
19	332.217	1434.5	3.2	20	0	0.4	0.9	-1.2E+07	-0.4	
19	332.517	1434.6	3.4	19.6	0.2	0.2	0.8	-1.1E+07	-0.6	
19	332.817	1434.4	3.1	18.3	0.2	-0.1	0.5	-9738372	-0.6	
19	333.117	1434.4	3.7	18.6	0.6	0.1	0.3	-9103261	-0.7	
19	333.417	1434.2	3.6	17.3	0.6	0.3	0.1	-8871822	-0.8	
19	333.717	1434.1	3.2	16.1	0.6	-0.1	-0.1	-8834388	-0.7	
19	334.017	1434.1	3.3	15.5	0.7	0.1	-0.3	-8986052	-0.5	
19	334.317	1433.9	2.9	14.7	0.5	0.1	-0.5	-9103261	-0.4	
19	334.617	1433.9	3	14.3	0.2	0.2	-0.5	-9063853	-0.2	
19	334.917	1433.9	3.1	13.6	0.2	0.1	-0.6	-8797269	-0.2	
19	335.217	1434	2.7	12.7	0.2	0.1	-0.5	-8375000	0	
19	335.517	1434	3.1	12.5	0.2	0.2	-0.4	-7841760	0	
19	335.817	1433.9	2.7	11.1	0.5	0.2	-0.3	-7219828	-0.2	
19	336.117	1433.7	2.5	10.2	0.4	0.3	-0.3	-6625791	-0.2	
19	336.417	1433.7	2.8	9.8	0.3	0.2	-0.2	-6122076	-0.3	
19	336.717	1433.7	2.4	9	0.6	-0.6	-0.3	-5736302	-0.4	
19	337.017	1433.9	2	8.1	1	-1	-0.5	-5466710	-0.3	
19	337.317	1434	2.2	7.8	1	-0.8	-0.5	-5300633	-0.2	
19	337.617	1434.1	2	7.2	1.2	-0.8	-0.6	-5221322	-0.3	
19	337.917	1433.9	2	6.2	1.1	-1.2	-0.8	-5221322	-0.2	
19	338.217	1433.3	1	4.7	0.6	-0.8	-0.8	-5287248	0.8	
19	338.517	1433	0.7	4.1	0.4	-0.9	-0.7	-5368590	1.1	
19	338.817	1433	1.3	3.6	0.6	0.2	-0.8	-5438312	1	
19	339.117	1432.8	2.3	4.7	0.7	0.7	-1	-5466710	1	
19	339.417	1432.9	2.3	4.3	0.9	0.8	-0.9	-5438312	1.2	
19	339.717	1433	2.4	3.9	1.2	0.6	-1	-5382391	1.1	
19	340.017	1433	2.2	2.8	1.4	0.9	-1.1	-5327608	1.1	
19	340.317	1433.1	2.8	3	1.6	1.3	-1.1	-5287248	0.5	
19	340.617	1433.2	2.5	2.2	1.9	1	-1.1	-5247494	0.1	
19	340.917	1432.9	2.8	2.6	1.6	1.1	-1.3	-5208334	-0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	341.217	1432.8	1.4	1	1.2	-0.6	-1.5	-5169753	-0.5	
19	341.517	1432.5	2.8	2.1	0.6	0	-1.7	-5131741	-0.8	
19	341.817	1432	3.3	2.2	-0.1	0.2	-1.8	-5106708	-1.1	
19	342.117	1431.5	3.5	1.8	-0.9	0.3	-1.7	-5094283	-1.2	
19	342.417	1431.3	2.8	1	-1.3	-0.2	-1.3	-5033053	-1.1	
19	342.717	1431.2	1.9	-0.2	-1.7	-1.2	-1	-4914906	-1	
19	343.017	1431.5	2.1	-0.3	-1.8	-0.8	-0.5	-4758523	-0.9	
19	343.317	1432.3	2.3	-0.4	-1.6	-0.4	0.4	-4571507	-0.8	
19	343.617	1433.1	1.6	-0.7	-1.4	-0.2	1	-4380230	-0.7	
19	343.917	1434.4	1.6	-1	-0.8	-0.8	1.6	-4195892	-0.9	
19	344.217	1434.9	1.6	-1	-0.2	-1.2	1.7	-4026443	-0.9	
19	344.517	1435.1	1.6	-0.8	0.4	-1.6	1.5	-3884509	-0.9	
19	344.817	1434.8	1.5	-1.7	0.8	-1.3	0.9	-3765738	-0.8	
19	345.117	1434.6	1.3	-2.1	1.2	-0.8	0.3	-3686180	-0.6	
19	345.417	1434.5	1.4	-1.7	1.6	-0.7	-0.3	-3647649	-0.6	
19	345.717	1434.2	0.9	-2.8	1.8	-1.1	-1.1	-3641305	-0.4	
19	346.017	1434.2	0.8	-2.8	2.1	-0.4	-1.7	-3647649	-0.1	
19	346.317	1434.7	0.2	-3	2.3	-0.4	-2	-3660403	0.2	
19	346.617	1434.8	0.4	-2.9	2.4	0	-2.1	-3666813	0.5	
19	346.917	1434.9	1	-1.9	2.3	0.4	-2	-3673246	0.6	
19	347.217	1435	1.2	-1.8	2.2	0.6	-1.8	-3673246	0.5	
19	347.517	1435	1.1	-2	1.8	0.3	-1.5	-3654014	0.4	
19	347.817	1434.8	0.9	-1.8	1.5	-0.2	-1.4	-3622405	0.3	
19	348.117	1434.7	0.9	-2.2	1.3	0.1	-1.1	-3579060	0.3	
19	348.417	1434.5	0.6	-2.1	1.1	-0.3	-1.1	-3513004	0.1	
19	348.717	1434.3	0	-2.5	0.9	-0.5	-1.3	-3438014	0	
19	349.017	1434.2	0.1	-2.7	0.8	-0.8	-1.6	-3366158	-0.1	
19	349.317	1434.1	0.7	-1.7	0.9	-0.5	-1.9	-3312896	-0.1	
19	349.617	1434.4	0.7	-1.3	1.1	-0.5	-1.8	-3266381	0	
19	349.917	1434.7	1.1	-1.1	1.1	0.2	-1.5	-3241100	0.1	
19	350.217	1435	1.3	-0.7	1.4	0.5	-1.1	-3241100	0.2	
19	350.517	1434.8	1.2	-0.8	1.2	0.3	-0.8	-3256221	0.4	
19	350.817	1434.8	1.2	0.2	1.2	0.6	-0.5	-3286892	0.6	
19	351.117	1434.8	0.8	0.1	1.2	0.4	-0.2	-3355369	0.7	
19	351.417	1435.1	1.2	-0.1	1.2	1	0.2	-3460744	0.6	
19	351.717	1435.3	1.2	-1.1	1.2	0.8	0.5	-3603701	0.6	
19	352.017	1435.3	1.2	-1.1	0.8	0.8	0.7	-3772523	0.6	
19	352.317	1435.1	0.9	-1.5	0.6	0.3	0.4	-3957940	0.6	
19	352.617	1434.7	1	-1.2	0.7	0.2	-0.2	-4129685	0.5	
19	352.917	1434.1	1.6	-1.2	0.7	1	-0.9	-4281698	0.4	
19	353.217	1433.7	1.7	-0.8	0.7	0.8	-1.5	-4371086	0.4	
19	353.517	1433.4	2.1	-0.7	0.8	1.3	-1.9	-4361980	0.3	
19	353.817	1433.2	1.5	0.1	0.8	0.5	-2.2	-4272960	0.3	
19	354.117	1433.2	1.2	-1.6	1	0.3	-2.4	-4113458	0.3	
19	354.417	1433.2	1.2	-2.1	1	0.4	-2.4	-3928237	0.3	
19	354.717	1433.4	1.2	-2.3	1.2	0.5	-2.2	-3758977	0.4	
19	355.017	1433.5	1.3	-1.5	1.1	0.6	-1.8	-3622405	0.5	
19	355.317	1433.9	0.8	-1.1	1	0.1	-1.1	-3518908	0.7	
19	355.617	1434.2	1.4	-0.7	0.8	0	-0.5	-3449341	0.6	
19	355.917	1434.2	1.4	-0.9	0.7	-0.4	-0.2	-3426760	0.6	
19	356.217	1434	1.3	-0.3	0.5	0.2	-0.1	-3438014	0.7	
19	356.517	1433.9	1.3	-0.3	0.6	0.8	-0.1	-3466474	0.7	
19	356.817	1433.8	1	-0.6	0.6	0.1	-0.2	-3507119	0.7	
19	357.117	1433.6	1.3	-0.3	0.7	0.3	-0.5	-3548729	0.7	
19	357.417	1433.6	1.3	-0.2	0.8	0.5	-0.8	-3591338	0.7	
19	357.717	1433.9	1.1	-0.2	1.1	0.3	-1.1	-3616149	0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	358.017	1434.1	2.2	0.8	1.7	0.4	-1.5	-3628683	-0.2	
19	358.317	1434	2.7	1.8	1.9	0.5	-1.9	-3616149	-0.5	
19	358.617	1433.9	2.1	1.3	2	-0.1	-2	-3603701	-0.6	
19	358.917	1433.7	1.2	1	1.7	-1.1	-2.1	-3603701	-0.7	
19	359.217	1433.6	2	1.6	1.6	-0.7	-2	-3622405	-0.8	
19	359.517	1433.5	2.1	1.1	1.4	-0.5	-1.8	-3666813	-0.8	
19	359.817	1433.6	1.7	0.5	1.1	-0.6	-1.5	-3705753	-0.5	
19	360.117	1433.8	1.5	0.4	0.7	-0.6	-1.1	-3732175	-0.3	
19	360.417	1433.7	1.7	0.8	0.1	-0.6	-0.8	-3745528	0.1	
19	360.717	1433.7	1.9	1	-0.1	0	-0.5	-3752241	0.6	
19	361.017	1433.9	2	1.4	-0.3	0.2	0	-3758977	0.8	
19	361.317	1434.2	2	2	-0.3	1.1	0.4	-3758977	0.5	
19	361.617	1434.2	2.7	2.6	-0.5	0.9	0.7	-3738840	0.1	
19	361.917	1434.2	2.2	1.5	-0.4	0	0.8	-3699205	-0.2	
19	362.217	1434.4	2.2	1.5	-0.4	0.3	0.9	-3647649	-0.5	
19	362.517	1434.5	2.5	1.4	-0.3	-0.1	0.9	-3616149	-0.9	
19	362.817	1434.6	2.5	1.2	0.1	-0.5	0.8	-3616149	-1.1	
19	363.117	1434.6	2.2	1	0.4	-1.2	0.5	-3660403	-1.5	
19	363.417	1434.6	3	1.8	0.5	-0.5	0.3	-3738840	-1.6	
19	363.717	1434.5	1.6	0.8	0.4	-1.7	0	-3841744	-1.4	
19	364.017	1434.3	1.8	0.6	0.6	-1.7	-0.3	-3965436	-1.1	
19	364.317	1434.1	1.8	0.6	0.7	-1.2	-0.7	-4113458	-0.8	
19	364.617	1434.1	1.1	-0.1	0.8	-1.5	-0.9	-4272960	-0.6	
19	364.917	1433.9	1.9	1	0.9	-0.7	-1.2	-4426533	-0.5	
19	365.217	1433.7	2.1	1.1	0.9	-0.4	-1.4	-4541757	-0.4	
19	365.517	1433.8	1.9	0.3	1.2	-0.3	-1.5	-4581510	-0.2	
19	365.817	1433.8	1.7	0	1.2	-0.8	-1.5	-4551631	-0.2	
19	366.117	1433.9	1.8	-0.3	1.4	0	-1.5	-4493026	-0.3	
19	366.417	1433.9	2	0.5	1.6	-0.2	-1.5	-4417194	-0.4	
19	366.717	1433.9	2.1	0.9	1.7	-0.3	-1.4	-4343880	-0.4	
19	367.017	1434	1.8	0.6	1.7	-0.5	-1.3	-4281698	-0.4	
19	367.317	1433.9	1.6	0.4	1.6	-0.9	-1.1	-4238361	-0.4	
19	367.617	1433.9	1.7	0.4	1.7	-1.3	-1.1	-4212777	-0.6	
19	367.917	1433.7	1.8	1	1.4	-1.3	-1.2	-4204318	-0.6	
19	368.217	1433.5	1.5	0.1	1.2	-1.7	-1.3	-4212777	-0.3	
19	368.517	1433.4	1.5	0.1	0.8	-1.6	-1.3	-4238361	0	
19	368.817	1433.2	1.7	0.4	0.4	-1.1	-1.3	-4255590	0.1	
19	369.117	1433.1	2.1	0.8	0.2	-0.3	-1.3	-4255590	0.2	
19	369.417	1433	2.7	1.7	0	0.4	-1.2	-4212777	0.3	
19	369.717	1432.8	2.4	1.1	0	0.6	-1.2	-4137846	0.5	
19	370.017	1432.8	2.7	1.4	0	1.4	-1.1	-4041989	0.7	
19	370.317	1433.2	3	1.9	0.4	1.9	-0.9	-3928237	0.5	
19	370.617	1433.5	4	1.8	0.7	2.5	-0.7	-3813753	0.1	
19	370.917	1434	4.3	1.6	1	2.7	-0.4	-3712323	-0.3	
19	371.217	1434.3	3.8	1.7	1.3	1.8	-0.2	-3603701	-0.5	
19	371.517	1434.5	3.1	1.9	1.4	1	-0.1	-3513004	-0.6	
19	371.817	1434.4	3.3	1.3	1.4	0.9	-0.1	-3443668	-0.7	
19	372.117	1434.2	3	0.9	1.4	0.3	-0.1	-3404472	-0.8	
19	372.417	1434	2.3	0.6	1	-0.3	-0.1	-3382472	-0.6	
19	372.717	1433.7	1.4	-0.1	0.7	-1	-0.2	-3382472	-0.4	
19	373.017	1433.6	1.6	-0.1	0.4	-1	-0.2	-3404472	-0.1	
19	373.317	1433.3	1	-0.9	-0.1	-1.3	-0.3	-3455033	0.5	
19	373.617	1433.2	1.2	-0.8	-0.3	-0.5	-0.4	-3518908	1	
19	373.917	1433.2	0.9	-1.1	-0.3	0	-0.5	-3603701	1.3	
19	374.217	1433.2	0.6	-2.1	-0.3	-0.2	-0.5	-3699205	1.4	
19	374.517	1433.1	1.3	-0.9	-0.3	0.7	-0.5	-3806819	1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	374.817	1433.3	1.2	-1	0.1	1	-0.5	-3906250	1.3	
19	375.117	1433.2	1.1	-1.4	0.3	1.3	-0.6	-3995706	1	
19	375.417	1433.3	1.1	-1.4	0.5	1.1	-0.7	-4065534	0.7	
19	375.717	1433.4	1.3	-0.9	0.8	1.1	-0.8	-4089356	0.2	
19	376.017	1433.6	1.5	-1.5	1.1	0.5	-0.8	-4065534	-0.3	
19	376.317	1433.5	1.2	-0.4	1	0.3	-0.9	-4018714	-0.5	
19	376.617	1433.6	1.1	-0.7	1.2	0	-0.9	-3950472	-0.6	
19	376.917	1433.6	0.9	-0.9	1.4	-0.5	-0.9	-3877315	-0.7	
19	377.217	1433.5	0.6	-0.5	1.3	-0.6	-1	-3813753	-0.8	
19	377.517	1433.4	0.2	-1.7	1.3	-1.3	-1.1	-3752241	-0.8	
19	377.817	1433.5	-0.2	-2.3	1.4	-1.5	-1.2	-3699205	-0.7	
19	378.117	1433.4	-0.2	-2.1	1.4	-1.5	-1.4	-3654014	-0.6	
19	378.417	1433.4	0.1	-1.6	1.5	-1.3	-1.6	-3622405	-0.5	
19	378.717	1433.5	-0.1	-1.9	1.8	-0.8	-1.8	-3597509	-0.1	
19	379.017	1433.4	0.3	-1.7	1.9	-0.7	-2.1	-3560800	0.2	
19	379.317	1433.1	0.1	-2	2	-0.5	-2.5	-3518908	0.6	
19	379.617	1433.1	-0.4	-2.2	2.4	-0.5	-2.7	-3460744	0.7	
19	379.917	1433.2	0.2	-1.4	2.7	0.8	-2.7	-3398945	0.8	
19	380.217	1433.2	0	-1.7	2.6	0.9	-2.6	-3344649	0.8	
19	380.517	1433.3	0.1	-1.7	2.5	0.6	-2.4	-3297245	0.6	
19	380.817	1433.5	0.3	-1.2	2.4	0.6	-2	-3266381	0.5	
19	381.117	1433.6	-0.1	-1.6	2.2	0.3	-1.7	-3251165	0.1	
19	381.417	1433.7	1.3	-0.4	1.6	1.2	-1.1	-3251165	-0.1	
19	381.717	1433.6	1.5	-0.6	0.9	1.3	-0.5	-3266381	-0.2	
19	382.017	1433.3	0.9	-1.8	-0.1	0.9	0.1	-3292060	0	
19	382.317	1433.1	0.2	-2.2	-0.9	0.5	0.5	-3318146	0.5	
19	382.617	1433	0	-2.7	-1.4	0.5	0.9	-3350000	0.9	
19	382.917	1433	0.3	-2.7	-1.7	1.2	1.2	-3387945	1.2	
19	383.217	1432.8	0.3	-3.7	-2.1	1.8	1.4	-3421161	1.5	
19	383.517	1432.8	-0.6	-4.9	-2	1.1	1.4	-3455033	1.8	
19	383.817	1433	-0.4	-4.2	-1.8	1.1	1.4	-3477990	1.9	
19	384.117	1433.2	-0.2	-3.3	-1.1	1	1.2	-3501255	1.7	
19	384.417	1433.4	0.3	-3	-0.4	1.8	0.9	-3524832	1.3	
19	384.717	1433.7	0.1	-2.9	0.5	1.5	0.5	-3554754	0.9	
19	385.017	1433.8	0.7	-1.6	1.2	2	0	-3585189	0.5	
19	385.317	1433.6	0.4	-1	1.5	1.9	-0.5	-3597509	0.2	
19	385.617	1433.4	-0.4	-2	2	0.1	-1.2	-3603701	-0.2	
19	385.917	1433.1	0.2	-0.8	2.1	1.3	-1.8	-3609914	-0.1	
19	386.217	1433	-0.5	-1.7	1.9	0.1	-2.1	-3616149	0.2	
19	386.517	1432.6	-0.6	-1.5	1.6	0.4	-2.4	-3641305	0.7	
19	386.817	1432.5	-1.2	-1.8	1.3	0.2	-2.4	-3673246	1.5	
19	387.117	1432.4	-1.3	-2.6	1	0.7	-2.2	-3718917	1.8	
19	387.417	1432.3	-1.6	-2.8	0.8	0.5	-2	-3806819	2.3	
19	387.717	1432.3	-2.9	-4	0.7	-0.2	-1.9	-3988096	2.6	
19	388.017	1432.3	-1.8	-2.9	0.9	1.3	-1.9	-4229798	2.6	
19	388.317	1432.9	-1.8	-3.1	1.3	0.5	-1.8	-4502689	1.9	
19	388.617	1433.4	-0.4	-1.9	1.5	1.5	-1.7	-4824309	1.1	
19	388.917	1433.7	-0.4	-1.6	2	0.5	-1.9	-5195410	0.3	
19	389.217	1433.8	-0.2	-1.3	2.1	0.4	-2	-5643531	-0.9	
19	389.517	1433.6	-0.5	-1.4	2	-0.7	-2.2	-6194527	-2	
19	389.817	1433.3	-0.4	-1	1.7	-1.2	-2.3	-6797890	-3	
19	390.117	1433.3	-0.7	-0.9	1.1	-1.5	-2.1	-7346491	-3.9	
19	390.417	1433.2	-0.7	-0.5	0.3	-2.7	-1.8	-7697610	-4.5	
19	390.717	1433.6	-1.1	-0.9	-0.6	-2.8	-1.3	-7991412	-4.8	
19	391.017	1434.2	-1.2	-1.3	-1.4	-3.4	-0.7	-8146887	-4.9	
19	391.317	1434.6	-0.6	-0.5	-2	-2	-0.2	-8243110	-4.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	391.617	1434.9	-1.8	-2.1	-2.5	-2.2	0.2	-8146887	-3.4	
19	391.917	1435.2	-2.3	-2.4	-2.7	-1.1	0.4	-7871241	-2.4	
19	392.217	1435.5	-2.8	-2.4	-2.6	-0.2	0.4	-7424646	-1.3	
19	392.517	1436.3	-3.3	-3.5	-2	1	0.5	-6979167	-0.1	
19	392.817	1437.2	-3.3	-3.3	-0.9	3	0.5	-6584120	0.9	
19	393.117	1438.1	-4.3	-4.4	0.1	1.8	0.4	-6194527	1.7	
19	393.417	1439.2	-5.1	-5.4	1.2	2.1	0.3	-5815972	2.5	
19	393.717	1440	-5.5	-5.4	2.4	1.5	0	-5495407	3.1	
19	394.017	1440.7	-5.9	-7.2	3.2	2.3	-0.1	-5208334	3.8	
19	394.317	1441.4	-6.8	-8.3	3.9	2.3	-0.1	-4973278	4.3	
19	394.617	1442	-7.5	-8.4	4.4	1.8	0	-4780251	4.9	
19	394.917	1442.3	-8.1	-8.3	4.3	1.3	0	-4601649	5.2	
19	395.217	1442	-10.1	-10.1	3.7	-0.8	-0.4	-4435911	6	
19	395.517	1441.5	-7.8	-8.1	2.7	3.2	-0.6	-4272960	6.5	
19	395.817	1441.1	-8.2	-8.5	2.1	3.8	-0.7	-4129685	6.6	
19	396.117	1440.6	-7.2	-6.6	1.5	4.9	-0.7	-4041989	6.7	
19	396.417	1440.2	-7	-6.6	0.8	5.2	-0.5	-4003346	6.7	
19	396.717	1439.9	-7.3	-7.1	0.2	5.4	-0.4	-4026443	6.5	
19	397.017	1439.7	-6	-6.3	-0.2	6.6	-0.2	-4097359	5.9	
19	397.317	1439.7	-5.1	-5.2	-0.6	7.2	0.3	-4212777	4.8	
19	397.617	1440.2	-3.3	-4	-0.9	8	1.4	-4398635	2.9	
19	397.917	1440.7	-4.8	-5.2	-1.8	2.8	1.8	-4726298	1.6	
19	398.217	1440.2	-5.8	-5.4	-0.8	3	1.6	-5314087	1.4	inicio cambio de via
19	398.517	1439.7	-5.3	-5.5	-0.3	3.1	1.5	-6086483	1.2	
19	398.817	1439.2	-5.2	-4.7	-0.3	2.6	1.3	-7049664	0.5	
19	399.117	1438.8	-5.6	-5	-0.6	1.6	1.1	-8275692	-0.1	
19	399.417	1438.1	-5.9	-4.7	-0.8	-0.1	0.8	-9783879	-0.6	
19	399.717	1437.6	-7	-5.7	-0.8	-1.9	0.3	-1.2E+07	-0.9	
19	400.017	1437.3	-6.8	-5.2	-0.8	-3.6	-0.4	-1.4E+07	-1.3	
19	400.317	1439.8	-4.2	-1.3	2.1	-0.4	-1.3	-1.6E+07	-1.4	
19	400.617	1437.7	-6.5	-4.7	0.2	-2.5	-1.4	-1.7E+07	-1.4	
19	400.917	1436.4	-7.3	-5.5	-1.1	-3.8	-1.5	-1.7E+07	-1.3	
19	401.217	1436.3	-7.7	-7.3	-1.2	-4.6	-1.4	-1.6E+07	-1.3	
19	401.517	1436.7	-7.3	-6.9	-0.8	-3.9	-1.4	-1.4E+07	-1.3	
19	401.817	1436.5	-6.8	-6.6	-0.8	-3.6	-1.4	-1.2E+07	-1.3	
19	402.117	1436.5	-7	-6.5	-0.7	-3.1	-1.5	-1.1E+07	-1	
19	402.417	1436.8	-5.8	-5.4	-0.5	-1.5	-1.3	-9517046	-0.6	
19	402.717	1437.3	-5.7	-5	-1.6	-2.3	-0.9	-8580943	0	
19	403.017	1437.7	-5	-4.3	-0.2	0	-0.8	-7871241	0.3	
19	403.317	1438.3	-4.3	-3.2	1	1	-0.8	-7295296	0.7	
19	403.617	1438.6	-3.5	-2.3	1.3	2.2	-0.7	-6820033	1.1	
19	403.917	1439	-3.8	-3.2	1.6	1.7	-0.7	-6522586	1.7	
19	404.217	1439.4	-3.2	-1.4	2.4	2.4	-0.7	-6268713	2.1	
19	404.517	1439.7	-2.8	-0.5	2.9	3.2	-0.8	-6051301	2.5	
19	404.817	1439.9	-3	-0.2	3.5	2.7	-1.2	-5832173	3	
19	405.117	1439.8	-2.7	0.6	3.8	3.1	-1.7	-5643531	3.4	
19	405.417	1439.8	-2.8	0.5	4.1	2.3	-2.3	-5509869	3.6	
19	405.717	1439.8	-1.9	2.4	4	3	-2.9	-5410207	3.8	
19	406.017	1439.7	-1.5	3.6	3.9	3.1	-2.9	-5341199	4	
19	406.317	1439.4	-0.4	5.1	3.2	4.4	-2.6	-5247494	3.9	
19	406.617	1439	-0.3	5.6	2.1	5	-2.1	-5131741	3.6	
19	406.917	1438.7	0	6.8	0.5	5.1	-1.5	-5008972	3	
19	407.217	1438.3	0.4	7.9	-0.9	4.6	-0.8	-4869186	2.1	
19	407.517	1438.1	0.9	9	-2.1	4.5	0.1	-4736991	1.2	
19	407.817	1438.4	2	12.1	-3	4.3	1.4	-4541757	-0.1	
19	408.117	1439.2	2.1	9.9	-3.8	3.5	3	-4334886	-1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	408.417	1438.7	2.3	10.5	-4.4	1.5	3.2	-4154266	-2	
19	408.717	1438.6	2	9.2	-4	0.1	3	-4041989	-2.3	
19	409.017	1438.6	-0.3	6.7	-3.1	-2.6	2.5	-3950472	-1.9	
19	409.317	1439.7	-1.5	5.8	-1.1	-3.9	1.9	-3877315	-1.6	
19	409.617	1440.2	-1.3	4.7	0.4	-3.8	1.3	-3834707	-1.5	
19	409.917	1440.3	-2.2	2.9	1.7	-4	0.6	-3813753	-1.1	
19	410.217	1440.2	-2	1.3	2.2	-4.2	-0.1	-3820712	-0.6	
19	410.517	1440.2	-3	1.8	2.5	-4.7	-0.9	-3877315	0.1	
19	410.817	1440.1	-1	4.8	3.4	-2.4	-1.6	-3928237	0.4	
19	411.117	1439.9	-0.4	4.9	3.2	-1.1	-1.8	-3980514	0.7	
19	411.417	1439.5	1	6.2	2.8	1.5	-2	-4018714	0.7	
19	411.717	1439.2	1.5	7.1	1.7	2.8	-1.9	-4041989	0.9	
19	412.017	1438.6	1.5	7.4	0.8	3	-1.9	-4065534	1.1	
19	412.317	1438	0.5	7.5	0.2	3	-1.9	-4097359	1.5	
19	412.617	1437.8	1.2	8	-0.1	3.7	-1.9	-4137846	1.5	
19	412.917	1438	1.5	5.7	-0.3	4.5	-1.7	-4187500	1.5	
19	413.217	1438	1.2	7.7	-0.3	3.5	-1.7	-4255590	1.7	
19	413.517	1438.3	0.7	8	0.1	4.2	-1.7	-4334886	2.3	
19	413.817	1438.9	0.7	8.4	0.5	3.5	-1.4	-4417194	2.5	
19	414.117	1439.1	0.6	7.9	0.8	2.9	-1.4	-4502689	2.7	
19	414.417	1439.2	0.6	7.4	0.8	2.6	-1.3	-4611784	2.9	
19	414.717	1439.2	0.2	7.2	0.8	3.1	-1.3	-4769363	3.2	
19	415.017	1439.5	-0.1	5.7	0.9	2.4	-1.2	-4985119	3.4	
19	415.317	1439.8	0	5.7	1.3	2.1	-1.3	-5273930	3.3	
19	415.617	1439.8	-0.3	4.7	1.6	1.7	-1.3	-5674120	3.3	
19	415.917	1440	-2	2.3	1.7	0.1	-1.2	-6268713	3.2	
19	416.217	1440.1	-1.7	1.8	1.8	-0.1	-1.4	-6979167	2.9	
19	416.517	1440.3	-0.7	3.1	2.2	0.5	-1.4	-7783457	2.2	
19	416.817	1440.9	0.2	3.4	3.1	0.2	-1.4	-8651860	0.8	
19	417.117	1441.5	0.1	2.9	3.9	-0.9	-1.4	-9431306	-0.4	
19	417.417	1441.8	0.5	3.5	4	-0.8	-0.9	-1E+07	-0.8	aparato de via
19	417.717	1441.7	0.8	3.5	3.5	-1.1	-0.5	-1E+07	-1.6	
19	418.017	1441.1	1.4	4.2	2.9	-1.1	-0.4	-9783879	-2.2	
19	418.317	1440.6	1.5	3.4	2.6	-0.6	-0.5	-8760460	-2.8	
19	418.617	1440.6	1.9	3.4	2	-0.6	0.1	-7930871	-3.8	
19	418.917	1439.9	1.4	1.8	1.3	-2	0.1	-7295296	-3.4	
19	419.217	1439.2	1.1	1.4	0.5	-2	0.1	-6864754	-2.7	
19	419.517	1438.7	0.9	0.9	-0.3	-1.1	0.2	-6604890	-2.1	
19	419.817	1438	1.1	0.7	-0.9	-0.7	0	-6482198	-1.4	
19	420.117	1437.6	0.6	-0.3	-0.9	-0.2	-0.3	-6482198	-0.7	
19	420.417	1437.4	0.9	-1.1	-0.8	0.2	-0.5	-6604890	-0.2	
19	420.717	1437	0.6	-1.5	-0.7	0.6	-0.7	-6887336	0.5	
19	421.017	1436.8	-0.8	-3.1	-0.7	-0.3	-0.8	-7295296	1.2	
19	421.317	1436.7	0.7	-1.3	-0.2	1.9	-0.9	-7841760	1.3	
19	421.617	1436.2	0.5	0.8	0	1.6	-1.1	-8580943	1.3	
19	421.917	1436.2	-0.3	1.2	0.3	1.2	-1.1	-9431306	1.3	
19	422.217	1435.9	0.2	1.5	0.3	1.9	-1.1	-1.1E+07	1.3	
19	422.517	1436	-0.6	1.6	0.3	1.5	-0.8	-1.2E+07	1.3	
19	422.817	1436.2	-0.4	1.6	0.2	1.2	-0.3	-1.4E+07	1.1	
19	423.117	1436.2	-0.6	2.4	0.2	0.7	0	-1.6E+07	0.6	
19	423.417	1436	-0.6	0.4	0.2	1.3	0.1	-1.9E+07	0.3	
19	423.717	1435.7	-1.3	-0.9	0.1	-0.1	0.2		0.1	
19	424.017	1435.5	-0.8	-1.8	0.2	0.4	0.2		-0.1	
19	424.317	1435.3	-1.3	-2.8	-0.3	0.4	0.4		-0.1	
19	424.617	1435.5	-1.9	-3.4	-0.3	-0.3	0.7		-0.2	
19	424.917	1435.3	-2.2	-2.7	-0.7	-0.4	0.7		-0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	425.217	1435.2	-1.9	-3.1	-1	-0.3	0.6		-0.2	
19	425.517	1434.9	-1.9	-3.4	-1.2	0.2	0.5		0.3	
19	425.817	1434.7	-2.4	-3.6	-1.5	0.8	0.6		0.9	
19	426.117	1434.2	-2.9	-3.6	-1.9	1	0.5		1.6	
19	426.417	1433.9	-3.1	-3.8	-2	0.9	0.5		2.4	
19	426.717	1434.2	-3.3	-3.9	-1.7	1.4	0.6		3.2	
19	427.017	1434.3	-3.8	-4.4	-1.5	1.7	0.5		3.8	
19	427.317	1434.7	-3.5	-3.7	-1	2.4	0.5		4.2	
19	427.617	1435	-3.3	-3.2	-0.7	2.4	0.5		4.5	
19	427.917	1435	-3.1	-3.1	-0.6	2.6	0.5	18694197	4.6	
19	428.217	1435.2	-4.1	-3.8	-0.3	1.7	0.5	17022358	4.7	
19	428.517	1435.4	-3.4	-1.4	0.4	2	0.7	15625000	4.5	
19	428.817	1435.4	-2.5	-0.8	0.6	2.2	0.7	15172102	4	
19	429.117	1435.3	-1.7	-1	0.6	2.7	0.7	14849291	3.2	
19	429.417	1435.1	-1.5	-1.7	0.5	2.3	0.7	14439655	2.2	
19	429.717	1435.1	-1.3	-1.4	0.3	1.1	0.7	14243197	1.1	
19	430.017	1435.1	-0.6	-1.1	0.3	0.7	0.6	13865894	0	
19	430.317	1435.2	-0.3	-1.1	0.5	-0.6	0.5	13335987	-1.1	
19	430.617	1435.3	0.1	-1.3	0.6	-0.6	0.4	12766768	-2.2	
19	430.917	1434.5	1.1	-0.4	-0.1	-1	0.1	12033046	-3.4	
19	431.217	1434.2	1.7	-0.2	-0.6	-1.4	0.2	11136968	-4.1	
19	431.517	1433.9	1	-0.4	-1	-2.9	0.3	10263481	-4	
19	431.817	1433.5	0.6	-0.5	-1.3	-2.7	0.3	9431306	-3.4	
19	432.117	1433.4	0.8	-0.1	-1.6	-2.1	0.4	8723959	-2.9	
19	432.417	1433.4	0.6	-0.5	-1.9	-2.3	0.4	8178711	-2.4	
19	432.717	1433.5	1.5	0.9	-2.1	-1.1	0.5	7783457	-1.8	
19	433.017	1433.5	1	0.1	-2.4	-0.7	0.5	7613637	-0.9	
19	433.317	1433.5	0.8	0.2	-2.2	-0.4	0.5	7613637	0.4	
19	433.617	1433.8	0.4	1.2	-2	-0.4	0.5	7726015	1.6	
19	433.917	1433.9	1.4	0.7	-1.6	1.4	0.3	8022031	2.3	
19	434.217	1433.9	1.2	0.7	-1.1	1.5	-0.1	8442541	2.9	
19	434.517	1434.2	1.3	1.6	-0.7	2	-0.2	9143013	3.3	
19	434.817	1434.6	1.7	1.5	-0.2	2.7	-0.3	10263481	3.6	
19	435.117	1435	1.8	2.4	0.3	2.8	-0.3	11896307	4	
19	435.417	1435.4	1.5	1.9	0.7	3.2	-0.2	14340754	4.4	
19	435.717	1435.9	2	2.6	1.3	3.9	-0.2	18049569	4.2	
19	436.017	1436.4	3	3.6	1.4	5	0		3.8	
19	436.317	1436.6	3.5	4.8	1.5	5	0.1		3.6	
19	436.617	1436.6	4.6	5.4	1.2	5.6	0.4		3	
19	436.917	1436.7	4.4	5.7	0.9	5	0.6		2.6	
19	437.217	1436.7	4.6	6.5	0.6	4.6	0.8		2	
19	437.517	1436.5	4.4	6.6	0.5	4.1	0.7		1.8	
19	437.817	1436.4	4.4	6.3	0.3	4.2	0.8		1.5	
19	438.117	1436.2	3.8	5.7	0.2	3.1	0.7		1.5	
19	438.417	1436.1	3.2	5.6	0.1	2.2	0.6		1.5	
19	438.717	1436.1	2.7	5.6	-0.1	1.5	0.5		1.5	
19	439.017	1436.1	2.7	5.8	-0.1	0.8	0.4		1.4	
19	439.317	1436.2	2.7	6	-0.2	0.8	0.5		1.3	
19	439.617	1436	2.2	6	-0.3	0.2	0.4		1.3	
19	439.917	1435.7	2.4	5.9	-0.4	0.3	0.4		1.1	
19	440.217	1435.2	1.9	5.2	-1	-0.5	0.3		1.1	
19	440.517	1434.7	2.3	5.4	-1.4	0	0.2		0.8	
19	440.817	1434.5	1.9	6	-1.7	-0.5	0.3		0.6	
19	441.117	1434.8	2	5.4	-1.8	-0.2	0.6		0.5	
19	441.417	1435.1	1.9	4.4	-1.6	-0.6	0.7		0.3	
19	441.717	1435.1	1.9	3.6	-1.7	-1.1	0.7	16230620	0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	442.017	1435.1	2	3.5	-1.5	-0.9	0.7	12172965	0.1	
19	442.317	1435	1.9	3.2	-1.2	-0.9	0.5	9738372	0.1	
19	442.617	1435.4	2.5	3.1	-0.6	-0.2	0.5	8146887	0	
19	442.917	1435.6	2.5	2.8	0.2	-0.7	0.3	7073480	0	
19	443.217	1435.7	2.7	2.6	0.8	-0.4	0	6287538	0.1	
19	443.517	1435.9	2.6	1.5	1.2	-0.4	-0.3	5705041	0.4	
19	443.817	1435.8	2.9	1.2	1.7	0	-0.8	5287248	0.4	
19	444.117	1435.9	3.4	2.4	2.2	0.3	-1.1	4961493	0.3	
19	444.417	1435.8	3.7	3.1	2.5	0.6	-1.5	4673549	0.4	
19	444.717	1435.7	3.4	2.6	2.8	0.4	-1.8	4454788	0.4	
19	445.017	1435.8	3.5	2.9	3.1	0.3	-2.1	4290472	0.4	
19	445.317	1435.6	4	2.5	3	0.6	-2.4	4179142	0.4	
19	445.617	1435.4	4.4	3.4	2.9	0.9	-2.5	4113458	0.4	
19	445.917	1435.1	4.7	3.9	2.6	1.3	-2.6	4065534	0.5	
19	446.217	1434.7	4.6	4.2	2.1	1.2	-2.6	4049807	0.7	
19	446.517	1434.5	4.8	3.4	1.8	1.2	-2.5	4034201	0.8	
19	446.817	1434.5	5	3.8	1.5	1.3	-2.2	4034201	0.9	
19	447.117	1434.4	4.8	3.5	1.2	1.5	-2	4034201	1.3	
19	447.417	1434.3	4.8	3.1	0.9	1.7	-1.7	4034201	1.5	
19	447.717	1434.3	5.1	3.3	0.5	2.7	-1.3	4003346	1.5	
19	448.017	1434.3	5.1	3.6	0.2	2.1	-0.8	3965436	1.5	
19	448.317	1434.4	5.2	3.2	-0.2	2.2	-0.3	3906250	1.4	
19	448.617	1434.6	5.3	2.3	-0.3	2.2	0.3	3827697	1.3	
19	448.917	1434.6	5.4	1.9	-0.8	1.8	0.8	3732175	0.9	
19	449.217	1434.7	5.5	0.9	-1.3	1.5	1.3	3634983	0.6	
19	449.517	1434.7	5.7	1.3	-1.8	1.6	1.7	3560800	0.2	
19	449.817	1434.4	5.6	1	-2.8	1.3	2.2	3489584	0.1	
19	450.117	1434.6	3.8	-0.6	-3.1	-0.9	2.6	3438014	0	
19	450.417	1434.5	4.5	0.1	-3.9	-0.4	3.1	3404472	-0.2	
19	450.717	1434.6	4	0.2	-4.3	-1	3.5	3387945	-0.2	
19	451.017	1434.6	4.1	0.9	-4.9	-0.5	3.8	3398945	-0.1	
19	451.317	1434.8	4.1	1.4	-4.8	-0.7	4	3455033	0	
19	451.617	1434.9	4.2	1.5	-5.2	-0.7	4.3	3554754	0.4	
19	451.917	1435.2	3.7	1	-5.2	-1.2	4.6	3686180	0.7	
19	452.217	1435.6	3.9	1.7	-4.9	-0.9	4.7	3848806	0.9	
19	452.517	1436	4.2	1.8	-4.5	-0.1	4.6	4011016	1.1	
19	452.817	1436.3	4.3	2.4	-3.8	-0.4	4.4	4187500	1.3	
19	453.117	1436.4	4.3	2	-3.4	0	4.2	4361980	1.6	
19	453.417	1436.8	3.7	1.8	-2.7	-0.5	3.9	4493026	1.8	
19	453.717	1436.7	4.2	2.2	-2.4	0.2	3.4	4541757	1.7	
19	454.017	1437	5	3.1	-1.6	0	2.9	4483405	1.5	
19	454.317	1437	5.5	3.6	-1.3	0.9	2.5	4325930	1.4	
19	454.617	1437.3	5.8	3.8	-0.7	1	2	4065534	1.3	
19	454.917	1437.2	6.9	5	-0.6	2	1.5	3758977	1	
19	455.217	1436.9	7.5	5	-0.6	1.8	1	3438014	0.7	
19	455.517	1436.7	7.7	5.2	-0.6	2.2	0.6	3120343	0.5	
19	455.817	1436.6	7.8	5.1	-0.6	2.4	0.4	2833221	0.5	
19	456.117	1436.6	7.3	4.7	-0.4	1.7	0.2	2581690	0.4	
19	456.417	1436.5	8.8	5.9	-0.8	2.6	0.3	2368496	0.3	
19	456.717	1436.5	8.3	4.9	-0.8	1.6	0.4	2187827	0.3	
19	457.017	1436.4	8.3	4.6	-1.1	1.6	0.6	2042684	0.4	
19	457.317	1436.6	7.5	4.1	-0.9	0.4	0.8	1927947	0.5	
19	457.617	1436.7	8.4	4.9	-0.8	1.5	1.1	1836624	0.7	
19	457.917	1436.9	7.6	3.6	-0.5	0.5	1.3	1762417	0.7	
19	458.217	1436.9	8.1	3.7	-0.6	0.9	1.5	1707790	0.8	
19	458.517	1437	7.8	3.1	-0.8	0.7	1.7	1668328	1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	458.817	1437	8	3.4	-0.7	0.3	1.9	1642158	1.1	
19	459.117	1436.8	8.5	3.7	-0.8	0.9	1.9	1625583	1.1	
19	459.417	1436.5	8.3	3.3	-0.8	0.6	1.7	1616796	1.1	
19	459.717	1436.3	8.3	3.5	-1.1	1.3	1.6	1611818	1.1	
19	460.017	1435.9	7.7	2.9	-1.3	-0.1	1.3	1613060	1	
19	460.317	1435.5	7.9	2.8	-1.4	0.5	0.9	1620550	0.8	
19	460.617	1435.4	8.1	3	-1	0.5	0.5	1635743	0.4	
19	460.917	1435.5	8.8	3.6	-0.6	1.3	0.1	1656449	0.1	
19	461.217	1435.2	8.8	3.5	-0.4	0.7	-0.4	1681728	-0.3	
19	461.517	1435	9	3.6	0.2	-0.2	-1	1710581	-0.9	
19	461.817	1434.8	9.2	3.7	0.6	-0.4	-1.4	1747705	-1.3	
19	462.117	1435	8.6	2.9	1.1	-1.6	-1.7	1792595	-1.5	
19	462.417	1435.1	9.1	3.5	1.5	-0.5	-1.7	1843091	-1.5	
19	462.717	1435	8.8	5	1.7	-1.5	-1.7	1896514	-1.4	
19	463.017	1434.8	7.9	3.4	1.5	-1.9	-1.7	1951306	-1	
19	463.317	1435	7.3	3.3	1.1	-2.6	-1.4	2009358	-0.6	
19	463.617	1435	7.6	3.5	0.5	-1.2	-0.8	2070970	0.3	
19	463.917	1434.8	8.2	4.1	-0.3	0.1	-0.2	2132129	1.1	
19	464.217	1434.8	8.2	4	-1.1	1	0.6	2192409	1.7	
19	464.517	1434.8	9.1	5.4	-2.3	3.4	1.6	2253768	2.4	
19	464.817	1434.7	8.6	4.7	-3.2	3.2	2.4	2316096	3.1	
19	465.117	1434.5	9.8	5.6	-3.9	5.1	3.1	2368496	3.7	
19	465.417	1434.7	9.5	5.2	-4.3	5.9	3.8	2409379	4	
19	465.717	1435.2	9.7	5.4	-4.3	6.5	4.3	2445970	3.8	
19	466.017	1435.5	9.3	5.6	-4.3	5.6	4.6	2477811	3.2	
19	466.317	1435.6	9.3	5.1	-4.2	5.2	4.7	2504486	2.7	
19	466.617	1435.8	8.5	3.5	-4	4.1	4.8	2531742	2.2	
19	466.917	1436	7.7	2.2	-3.7	2.8	4.6	2559597	1.5	
19	467.217	1435.8	7.9	2.1	-3.3	2.4	4.1	2591275	0.6	
19	467.517	1435.6	8	1.1	-3.1	2	3.7	2627039	-0.1	
19	467.817	1435.5	7.3	-0.2	-3.2	1.4	3.5	2670600	-0.2	
19	468.117	1435.4	6.6	-1.1	-2.9	0	3	2722692	-0.3	
19	468.417	1435.3	6.3	-1.5	-2.6	-0.1	2.6	2780545	-0.4	
19	468.717	1435.3	5.3	-2	-2.2	-1.2	2.3	2844770	-0.4	
19	469.017	1435.2	4.9	-3.9	-2.3	-0.8	2.1	2916087	-0.3	
19	469.317	1435.3	3.7	-4.6	-2.1	-1.5	2	2982550	-0.2	
19	469.617	1435.4	3.6	-4.7	-2	-1.6	2.1	3038825	0.2	
19	469.917	1435.5	1.9	-5.6	-1.8	-3.1	2.1	3083579	0.6	
19	470.217	1435.6	1.8	-6.6	-1.5	-2.7	2	3106455	0.6	
19	470.517	1435.5	2.9	-4.7	-1.6	-1.2	1.9	3097264	0.6	
19	470.817	1435.2	2.6	-5.5	-1.9	-1.3	1.9	3061039	0.8	
19	471.117	1434.9	2.8	-5	-2.2	-0.7	1.9	3003946	0.9	
19	471.417	1434.9	2.2	-5.8	-2.1	-0.8	1.9	2928322	1.3	
19	471.717	1434.8	2.2	-6.3	-2.1	-0.4	1.7	2833221	1.3	
19	472.017	1434.8	2.8	-5.5	-2.2	0	1.6	2729792	1.3	
19	472.317	1434.8	3.2	-5.1	-2.2	1.3	1.5	2620464	1.4	
19	472.617	1434.7	2.9	-4.8	-2.4	1.4	1.4	2522591	1.7	
19	472.917	1435.1	2.8	-5.1	-1.9	0.8	1.3	2431766	1.7	
19	473.217	1435	3.1	-5	-1.7	1.1	1.1	2347254	1.5	
19	473.517	1435.2	3.4	-5.4	-1	1	0.8	2270879	1.4	
19	473.817	1435.1	3.6	-5.2	-0.6	1.5	0.5	2213267	1.4	
19	474.117	1435.2	4.1	-4.9	0	1.9	0.2	2169690	1.3	
19	474.417	1435.5	4.6	-4.6	0.7	1.8	-0.1	2145236	0.9	
19	474.717	1435.5	4.6	-4	1.2	1.6	-0.5	2145236	0.8	
19	475.017	1435.7	4.6	-4.5	1.5	1.6	-0.5	2162966	0.7	
19	475.317	1436	4.4	-4.4	1.8	1.4	-0.5	2199318	0.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	475.617	1435.9	4.4	-3.5	2	0.9	-0.7	2256197	0.4	
19	475.917	1435.8	4.7	-2.6	1.7	0.8	-0.7	2331571	0.1	
19	476.217	1435.5	4.8	-2.8	1.3	1	-0.7	2426130	0.2	
19	476.517	1435.2	4.7	-3.5	0.8	0.6	-0.6	2537879	0.3	
19	476.817	1435	4.5	-3.7	0.2	0.1	-0.5	2670600	0.4	
19	477.117	1434.7	4.3	-4.8	-0.2	0	-0.4	2814181	0.5	
19	477.417	1434.6	4.5	-4.1	-0.7	0.3	-0.3	2961457	0.5	
19	477.717	1434.4	4.7	-5.1	-1.2	0.5	-0.2	3120343	0.6	
19	478.017	1434.3	4.6	-4.9	-1.4	0.6	-0.2	3302445	0.7	
19	478.317	1434.4	4.5	-5.2	-1.5	0.4	-0.1	3477990	0.8	
19	478.617	1434.6	4.4	-4.9	-1.3	0.5	0	3654014	0.7	
19	478.917	1434.8	4.6	-4.7	-1.2	0.7	0.1	3827697	0.7	
19	479.217	1435	5	-3.5	-1.2	1	0.3	4003346	0.6	
19	479.517	1435.1	5	-2.7	-1	1.4	0.4	4179142	0.6	
19	479.817	1435.4	4.8	-3.1	-0.9	1.4	0.6	4380230	0.6	
19	480.117	1435.6	5.1	-2.9	-0.6	1.5	0.8	4571507	0.5	
19	480.417	1436	5	-2.3	-0.3	1.3	1.1	4747733	0.4	
19	480.717	1436.2	5	-1.6	-0.2	1.1	1.3	4903396	0.4	
19	481.017	1436.3	4.4	-1.9	-0.3	0.3	1.4	5069613	0.4	
19	481.317	1436.6	4.5	-0.8	-0.1	-0.1	1.4	5234375	0.6	
19	481.617	1436.8	4.7	-0.2	-0.1	-0.2	1.4	5396263	0.9	
19	481.917	1436.7	4.1	0.4	-0.3	-0.3	1.4	5539021	1.7	
19	482.217	1436.8	3.5	-0.1	-0.4	-0.4	1.5	5674120	2.4	
19	482.517	1436.4	3.5	1.6	-0.8	-0.3	1.4	5799862	2.8	
19	482.817	1436	3.5	1.7	-1.2	0.3	1.4	5914548	3.4	
19	483.117	1435.8	4.1	1.2	-1.4	1.1	1.4	5999284	3.8	
19	483.417	1435.8	4.6	2	-1.6	2.2	1.6	6016523	3.8	
19	483.717	1435.9	5.7	2.9	-1.6	3.1	1.6	5931303	3.2	
19	484.017	1436.1	6.5	4.3	-1.6	3.4	1.7	5783840	2.4	
19	484.317	1436.1	7.2	5	-1.4	3.3	1.7	5583334	1.5	
19	484.617	1436	7.7	4.9	-1.5	3.2	1.6	5341199	0.5	
19	484.917	1436	8	4.8	-1.3	2.6	1.6	5069613	-0.6	
19	485.217	1435.7	8.2	5.3	-1.2	1.9	1.5	4824309	-1.6	
19	485.517	1435.5	8.5	5.7	-1.1	1.1	1.4	4621965	-2.3	
19	485.817	1435.4	8	4.9	-1.2	0.4	1.3	4445329	-2.4	
19	486.117	1435.2	7.1	3.7	-1.3	-0.8	1.1	4290472	-2.4	
19	486.417	1435.1	6.3	2.7	-1.5	-1.9	0.9	4162525	-2.3	
19	486.717	1434.9	6.7	2.6	-1.5	-2	0.7	4065534	-2.1	
19	487.017	1435	6.5	1.9	-1.3	-2.2	0.6	3995706	-1.7	
19	487.317	1434.9	6	1.4	-1.2	-2.5	0.4	3935621	-1.2	
19	487.617	1434.8	5.9	1.3	-1	-2.5	0.1	3877315	-0.9	
19	487.917	1434.7	6.1	1.7	-0.8	-1.8	-0.2	3820712	-0.5	
19	488.217	1434.8	5.7	1.3	-0.7	-1.5	-0.2	3758977	0.2	
19	488.517	1435	5.3	0.6	-0.3	-1.1	-0.3	3699205	0.8	
19	488.817	1435.3	5.3	0.5	0.1	0	-0.3	3634983	1.3	
19	489.117	1435.4	6	1.3	0.3	0.9	-0.3	3572953	1.7	
19	489.417	1435.4	6.2	1.7	0.1	1.5	-0.2	3524832	2.2	
19	489.717	1435.4	6.5	2.2	0.3	2.6	-0.2	3483777	2.6	
19	490.017	1435.7	6.7	2.2	0.4	3.1	0.1	3460744	3	
19	490.317	1435.9	6.2	1.5	0.5	2.8	0.3	3449341	3.3	
19	490.617	1436.1	6.8	2.2	0.5	3.6	0.5	3460744	3.4	
19	490.917	1436	7.2	2.7	0.3	4.1	0.5	3489584	3.5	
19	491.217	1435.9	6.9	2.5	-0.1	4	0.6	3524832	3.6	
19	491.517	1436	6.8	2.2	0	3.5	0.7	3542725	3.5	
19	491.817	1436	7.3	2.3	-0.1	3.6	0.7	3542725	3.4	
19	492.117	1435.7	7	2	-0.3	2.8	0.7	3542725	3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	492.417	1435.6	7.2	2.4	-0.4	2.8	0.7	3542725	3	
19	492.717	1435.4	7.3	2.2	-0.7	3.1	0.7	3524832	2.7	
19	493.017	1435.3	7.5	2.5	-0.8	2.5	0.8	3489584	2.1	
19	493.317	1435.3	7.8	2.8	-0.7	2.1	1	3443668	1.7	
19	493.617	1435.4	7.6	3.2	-0.5	1.3	1.3	3398945	1.1	
19	493.917	1435.2	7.6	3.1	-0.6	1.3	1.4	3339315	0.6	
19	494.217	1435.3	7.9	3.2	-0.5	1	1.5	3286892	0	
19	494.517	1435.2	8.3	4.2	-0.6	1.6	1.6	3236090	-0.4	
19	494.817	1434.9	8	4.5	-0.9	1	1.6	3186835	-0.6	
19	495.117	1434.8	7.6	4.1	-1.2	0.8	1.6	3153238	-0.7	
19	495.417	1434.5	7.4	3.9	-1.5	0.1	1.4	3120343	-0.8	
19	495.717	1434	7.5	3.4	-1.8	-0.3	1.1	3097264	-0.9	
19	496.017	1433.4	7.8	3.2	-2.3	0	1	3083579	-0.9	
19	496.317	1432.9	7	1.3	-2.6	-0.6	0.8	3083579	-0.8	
19	496.617	1432.7	6.5	0	-2.8	-0.7	0.6	3079045	-0.6	
19	496.917	1432.8	5.6	-1.6	-2.4	-1.4	0.4	3065520	-0.4	
19	497.217	1432.8	5.5	-2.2	-2.2	-1	0.4	3056570	-0.1	
19	497.517	1433.4	4.9	-3.1	-1.6	-1.3	0.5	3043242	0	
19	497.817	1433.8	5.4	-2.8	-1.1	-0.9	0.6	3025651	-0.1	
19	498.117	1434	6	-2.5	-0.7	-0.9	0.7	2995351	-0.2	
19	498.417	1434.1	6.1	-1.9	-0.1	-1.3	0.8	2961457	-0.2	
19	498.717	1434.2	5.9	-1.2	0.1	-0.8	1	2924232	0.2	
19	499.017	1434.4	5.3	-1	0.1	-0.8	1.1	2887932	0.6	
19	499.317	1434.4	4.9	-1.8	-0.3	-0.3	1.1	2856413	1	
19	499.617	1434.4	4.7	-1.8	-0.3	-0.3	1.1	2833221	1.4	
19	499.917	1434.2	4.7	-1.3	-0.9	0.6	1	2814181	2.2	
19	500.217	1434.2	4.9	-1	-1.2	1	1	2810403	3	
19	500.517	1433.9	5.9	-0.2	-1.6	2.1	0.9	2817968	3.8	
19	500.817	1433.5	6.5	0.8	-2	2.9	0.8	2837060	4.3	
19	501.117	1433.3	6.8	1.5	-2.3	3.6	0.8	2860315	4.7	
19	501.417	1433.8	6.8	1.5	-2.4	3.9	1.1	2883954	4.5	
19	501.717	1434.3	6.8	0.8	-2.2	4	1.4	2903953	3.6	
19	502.017	1434.4	7.3	1.1	-2.2	3.5	1.4	2920154	2.4	
19	502.317	1434.7	7.7	1.2	-2	2.5	1.5	2928322	1	
19	502.617	1435	8.3	1.6	-1.8	2	1.7	2928322	-0.4	
19	502.917	1435.3	9.1	2.9	-1.5	1	2	2916087	-1.7	
19	503.217	1435.4	9.6	2.8	-1.4	0.1	2.2	2899931	-3	
19	503.517	1435.5	9.8	2.6	-1.3	-1.1	2.4	2883954	-4.1	
19	503.817	1435.9	9.5	2.6	-1.4	-2.1	2.7	2879987	-4.9	
19	504.117	1435.9	7.9	1.1	-1.7	-3.8	2.7	2879987	-5.1	
19	504.417	1436	7.7	0.4	-1.6	-4.2	2.7	2887932	-5.2	
19	504.717	1436.2	7.6	0.6	-1.4	-3.8	2.6	2899931	-4.8	
19	505.017	1435.9	6.8	-0.4	-1.7	-4.2	2.3	2920154	-4.3	
19	505.317	1435.8	6.9	-0.4	-1.9	-3.9	2.2	2944797	-3.6	
19	505.617	1435.6	6.5	-1	-1.9	-4.1	1.9	2969859	-3	
19	505.917	1435.5	6.7	-1.1	-1.8	-3.5	1.6	2986805	-2.5	
19	506.217	1435.4	6.5	-1.1	-1.6	-2.9	1.1	2999642	-1.9	
19	506.517	1435.4	6.4	-1.2	-1.7	-1.3	1	2999642	-0.9	
19	506.817	1435.4	6	-1.9	-1.7	-0.9	1	2978308	-0.1	
19	507.117	1435.3	5.4	-2.9	-1.6	-1.1	0.8	2936536	0.5	
19	507.417	1435.6	5	-3	-1.1	-0.4	0.7	2887932	1.2	
19	507.717	1435.6	5.2	-2.4	-0.9	0.2	0.5	2840910	1.7	
19	508.017	1435.7	5.5	-1.9	-0.6	1.6	0.5	2795394	2.4	
19	508.317	1435.9	5.6	-1.9	-0.4	2	0.6	2751315	3	
19	508.617	1436	5.4	-2.4	-0.2	2.1	0.6	2708603	3.2	
19	508.917	1436.2	5.6	-1.4	0	2.3	0.6	2677430	3.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	509.217	1436.1	5.9	-0.6	0	3	0.5	2663805	3.3	
19	509.517	1436.1	6.3	0.7	0.2	3.5	0.4	2663805	3.3	
19	509.817	1436.1	6.4	0.9	0.2	3.6	0.3	2674011	3.2	
19	510.117	1436.1	6.4	1.5	0.3	3.6	0.2	2691196	3.2	
19	510.417	1436	6.1	0.7	0.3	3	0.1	2712112	3.1	
19	510.717	1435.9	6.5	0.5	0.2	3	0	2733356	2.9	
19	511.017	1435.8	6.4	0.3	0.2	2.4	-0.1	2754935	2.5	
19	511.317	1435.8	6.7	0.8	0.1	2.2	0	2780545	2.2	
19	511.617	1435.8	6.4	1.1	0	1.3	0.2	2814181	1.8	
19	511.917	1435.7	6.8	1.9	-0.2	0.8	0.3	2848640	1.1	
19	512.217	1435.6	7	2.3	-0.5	0.6	0.5	2872086	0.7	
19	512.517	1435.6	6.9	2.2	-0.7	0.3	0.7	2891920	0.5	
19	512.817	1435.5	6.9	2	-0.9	0.1	1	2912031	0.2	
19	513.117	1435.4	7.1	1.2	-1	-0.3	1.2	2936536	-0.2	
19	513.417	1435.5	7.6	1.1	-1.1	-0.5	1.4	2969859	-0.8	
19	513.717	1435.3	7.8	1	-1.4	-0.8	1.4	3008262	-1.2	
19	514.017	1435.2	7.9	1.1	-1.7	-0.8	1.4	3065520	-1.4	
19	514.317	1435.1	7.9	1.1	-1.7	-1	1.3	3129672	-1.5	
19	514.617	1435.2	7.8	0.5	-1.7	-0.9	1.3	3206356	-1.6	
19	514.917	1435	7.8	0.1	-1.8	-0.7	1.1	3292060	-1.6	
19	515.217	1434.8	7.8	-0.5	-1.6	-0.8	1	3382472	-1.7	
19	515.517	1434.6	7.8	-1.3	-1.4	-1.1	0.8	3483777	-1.7	
19	515.817	1434.7	8.1	-1.5	-1	-1.1	0.7	3585189	-1.9	
19	516.117	1434.9	8.2	-1.6	-0.7	-0.9	0.7	3673246	-2	
19	516.417	1435.1	8.1	-1.4	-0.3	-1.2	0.8	3732175	-1.8	
19	516.717	1435.3	8	0.1	-0.3	-1	1.1	3786167	-1.4	
19	517.017	1435.6	7.2	-0.5	-0.1	-1.2	1.4	3841744	-0.6	
19	517.317	1435.7	6.8	-0.8	-0.1	-0.8	1.6	3884509	0.5	
19	517.617	1435.4	6.8	0	-0.4	0.1	1.7	3913552	1.5	
19	517.917	1435	7.2	0.3	-0.9	1.5	1.8	3920881	2.5	
19	518.217	1434.5	7	0.5	-1.6	2.3	1.9	3928237	3.7	
19	518.517	1434.4	6.4	-0.3	-1.8	2.5	2	3943032	4.6	
19	518.817	1434.1	7.2	0.7	-2	3.7	1.9	3957940	5.1	
19	519.117	1433.8	7.3	0.9	-2.1	3.7	1.5	3972961	5.2	
19	519.417	1433.5	7.8	1.8	-2.2	4.4	1.1	3980514	5	
19	519.717	1433.4	8.4	3	-2.1	4.8	0.8	3972961	4.4	
19	520.017	1433.4	8.6	3.6	-1.8	4.1	0.5	3950472	3.4	
19	520.317	1433.6	8.6	3.4	-1.4	3	0.4	3906250	2.4	
19	520.617	1433.6	8.7	3.2	-1.3	2.2	0.3	3834707	1.4	
19	520.917	1433.5	8.8	3.2	-1.2	1.8	0.2	3738840	0.5	
19	521.217	1433.4	9.2	3.8	-1.1	0.7	0.1	3622405	-0.8	
19	521.517	1433.5	9.6	4	-0.9	0.3	0.2	3507119	-1.7	
19	521.817	1433.6	9.5	3.6	-1	-0.8	0.5	3404472	-2.4	
19	522.117	1433.8	9.2	2.9	-0.9	-1.4	0.8	3307662	-2.6	
19	522.417	1434	8.9	2.5	-0.9	-2	1	3226118	-2.8	
19	522.717	1434.2	8.9	2.5	-1	-2.1	1.2	3162765	-3	
19	523.017	1434.6	8.8	2.7	-0.7	-2.3	1.4	3120343	-3	
19	523.317	1434.6	8.5	2	-0.6	-2.6	1.4	3101852	-2.8	
19	523.617	1434.7	8.1	1.7	-0.5	-2.9	1.5	3111070	-2.3	
19	523.917	1434.7	7.8	1.1	-0.4	-3.3	1.4	3134357	-2.2	
19	524.217	1434.8	7.9	1.5	-0.3	-2.9	1.3	3167550	-2	
19	524.517	1434.5	7.6	0.8	-0.5	-2.8	1.1	3206356	-1.7	
19	524.817	1434.4	7.5	0.5	-0.5	-2.5	0.9	3256221	-1.4	
19	525.117	1434.4	7.4	0.5	-0.4	-2.2	0.6	3297245	-1.2	
19	525.417	1434.2	7.5	0.6	-0.8	-1.5	0.4	3339315	-0.9	
19	525.717	1434.1	7.8	0.7	-0.8	-1.2	0.2	3366158	-0.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	526.017	1434	8.2	0.6	-0.9	0.1	0.2	3382472	0	
19	526.317	1434	8.2	0.4	-0.9	0.3	0.2	3387945	0.4	
19	526.617	1434	8.1	0.2	-0.9	0.9	0.2	3387945	0.8	
19	526.917	1434	8.1	0.2	-0.7	1.1	0.2	3398945	1.1	
19	527.217	1434	8.3	0.5	-0.6	1.7	0.2	3426760	1.4	
19	527.517	1434.3	8	0.2	-0.3	1.9	0.3	3466474	1.7	
19	527.817	1434.6	7.5	-0.3	-0.1	1.8	0.4	3513004	1.9	
19	528.117	1434.8	8.3	0.5	0.1	2.6	0.4	3560800	1.9	
19	528.417	1434.8	8.1	0	0.1	2	0.4	3622405	1.9	
19	528.717	1434.6	8.7	0.5	-0.1	2.6	0.4	3699205	2	
19	529.017	1434.6	8	-0.1	0	1.8	0.4	3779333	1.9	
19	529.317	1434.5	8.5	0.5	-0.1	2.2	0.4	3834707	1.7	
19	529.617	1434.3	8.5	1.3	-0.2	2.3	0.5	3863008	1.7	
19	529.917	1434.2	8.1	1.3	-0.5	2	0.6	3863008	1.6	
19	530.217	1434.4	7.7	0.9	-0.6	1.9	0.8	3848806	1.7	
19	530.517	1434.5	7.4	0.2	-0.9	1	1.1	3827697	1.5	
19	530.817	1434.6	7.8	0.8	-1	1.2	1.4	3806819	1.1	
19	531.117	1434.7	8	1.6	-1	0.8	1.7	3779333	0.7	
19	531.417	1434.5	8.1	0.9	-1.3	1.1	1.9	3752241	0.3	
19	531.717	1434.3	7.8	0.5	-1.5	0.5	2	3732175	0.1	
19	532.017	1434.1	7.4	-0.4	-1.6	0.1	2.1	3732175	-0.1	
19	532.317	1433.9	7.4	-1	-1.6	0	2.1	3752241	-0.5	
19	532.617	1433.8	7.5	-1.1	-1.6	0.5	2	3779333	-0.9	
19	532.917	1433.8	7.4	-1.2	-1.4	0.3	1.9	3806819	-1.2	
19	533.217	1433.6	7.3	-1.4	-1.3	-0.2	1.6	3834707	-1.7	
19	533.517	1433.3	7.1	-1.7	-1.2	-0.9	1.2	3863008	-2.2	
19	533.817	1433.2	6.6	-2.6	-1	-1.4	0.9	3891729	-2.5	
19	534.117	1433.1	6.3	-3.3	-0.9	-1.6	0.7	3913552	-3	
19	534.417	1432.9	5.8	-3.7	-0.8	-2	0.5	3928237	-3.2	
19	534.717	1432.6	5.6	-3.6	-0.8	-3.2	0.3	3920881	-3.1	
19	535.017	1432.4	4.4	-4.5	-1	-4.3	0.3	3906250	-2.5	
19	535.317	1432.2	4.3	-4.6	-1.2	-3.4	0.2	3870148	-1.4	
19	535.617	1432	3.7	-5.1	-1.5	-2.8	0.3	3820712	0.1	
19	535.917	1432	3.6	-4.9	-1.5	-1.8	0.4	3765738	1.2	
19	536.217	1432.2	2.8	-5.3	-1.6	-1.1	0.6	3712323	2.8	
19	536.517	1432.3	2	-5.8	-1.7	-0.6	0.8	3666813	4.1	
19	536.817	1432.4	1.7	-6.2	-1.8	0	0.9	3634983	5	
19	537.117	1432.3	3.9	-3.7	-1.8	2.6	0.9	3609914	5.4	
19	537.417	1432.3	4.8	-2.7	-1.9	4.2	0.9	3591338	5.6	
19	537.717	1432.6	5.2	-2.2	-1.5	4.5	0.9	3585189	5.3	
19	538.017	1432.8	5.9	-1.6	-1.4	5	1	3585189	4.8	
19	538.317	1432.9	6.1	-1.7	-1.1	4.5	0.9	3585189	4	
19	538.617	1433.2	6.7	-1.5	-0.8	4.2	0.8	3585189	2.8	
19	538.917	1433.4	7.1	-1.1	-0.4	4.1	0.7	3585189	1.9	
19	539.217	1433.7	7.6	-0.5	-0.2	3.5	0.7	3579060	0.9	
19	539.517	1433.9	7.7	-0.4	0.1	1.6	0.7	3560800	0.2	
19	539.817	1434.3	7.9	-0.4	0.4	0.5	0.8	3548729	-0.5	
19	540.117	1434.3	7.7	-0.3	0.1	-0.3	0.7	3542725	-0.8	
19	540.417	1434.5	7.6	0.1	0.1	-1.3	0.7	3548729	-1	
19	540.717	1434.2	7.6	-0.7	-0.3	-1.4	0.6	3572953	-1	
19	541.017	1434.1	7.7	-0.4	-0.4	-1.8	0.6	3616149	-1.1	
19	541.317	1434	7.7	-1	-0.6	-1.8	0.5	3679702	-1.1	
19	541.617	1434	8.3	0.3	-0.7	-1.7	0.5	3758977	-1.2	
19	541.917	1434	8.7	0.2	-0.8	-1.5	0.5	3848806	-1.3	
19	542.217	1434	9.1	0.6	-1	-1.3	0.5	3935621	-1.4	
19	542.517	1434.3	9.1	1	-0.8	-1.1	0.6	4018714	-1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	542.817	1434.6	9.8	2.1	-0.8	-0.4	0.8	4081384	-1.6	
19	543.117	1434.8	9.9	2.5	-0.8	-0.7	1	4113458	-1.7	
19	543.417	1434.7	10	2.2	-0.8	-0.5	1	4113458	-1.7	
19	543.717	1434.8	9.6	1.6	-0.7	-0.5	1.1	4073444	-1.7	
19	544.017	1434.7	9.9	1.8	-0.8	-0.4	1.1	3988096	-1.7	
19	544.317	1434.7	10	2.2	-0.8	-0.6	1.1	3877315	-1.6	
19	544.617	1434.7	10.2	2.8	-1	-0.2	1.2	3745528	-1.3	
19	544.917	1434.7	9.6	2.2	-1	-0.5	1.1	3597509	-1	
19	545.217	1434.7	9.7	2.2	-1.1	-0.1	1.1	3460744	-0.8	
19	545.517	1434.9	10.1	2.7	-1	0.2	1.1	3339315	-0.5	
19	545.817	1434.8	9.9	2.6	-1	0.8	1	3231096	0.1	
19	546.117	1434.8	9.1	2	-1	0.9	1	3129672	0.8	
19	546.417	1434.9	8.9	2.3	-0.9	0.8	0.9	3047672	1.1	
19	546.717	1434.9	9.3	3	-0.8	1.5	0.7	2982550	1.4	
19	547.017	1435	9.1	3.3	-0.6	1.2	0.6	2932424	1.6	
19	547.317	1434.9	9.2	3.6	-0.5	2.5	0.5	2887932	2.2	
19	547.617	1434.9	8.2	3.8	-0.4	1.3	0.4	2848640	2.5	
19	547.917	1434.8	8.9	4.6	-0.4	2.3	0.4	2810403	2.8	
19	548.217	1434.9	8.3	4.6	-0.1	1.5	0.4	2780545	3	
19	548.517	1434.9	8.3	4.7	0.1	2.1	0.4	2751315	3	
19	548.817	1435.1	8.5	5.7	0.3	2.6	0.4	2726238	3	
19	549.117	1435.3	8.3	6.3	0.5	2	0.5	2701613	3	
19	549.417	1435.2	8.7	7	0.2	2.4	0.7	2684295	3	
19	549.717	1435.1	8.1	4.2	0	1.1	0.7	2674011	2.6	
19	550.017	1435.1	9	4.2	0	2.1	0.7	2674011	2.2	
19	550.317	1434.8	8.7	3.5	-0.4	1.2	0.7	2674011	1.8	
19	550.617	1434.5	9.6	3.7	-0.7	1.8	0.7	2680858	1.1	
19	550.917	1434	9.3	3.2	-1	1.1	0.7	2687741	0.6	
19	551.217	1433.9	9	2.3	-1.2	0.4	0.7	2701613	-0.1	
19	551.517	1433.8	9.2	2.1	-1.4	0.5	0.7	2719156	-0.8	
19	551.817	1433.7	9.5	1.9	-1.4	0.3	0.7	2747704	-1.6	
19	552.117	1433.9	9.9	2.2	-1.5	0.7	0.9	2791667	-2.1	
19	552.417	1434	10	2.1	-1.6	-0.3	1	2852521	-2.6	
19	552.717	1434.1	9.7	2	-1.5	-0.9	1.2	2928322	-2.9	
19	553.017	1434	9.6	2	-1.8	-1.8	1.5	3021285	-3	
19	553.317	1433.7	9.2	1.6	-2.1	-2.3	1.6	3129672	-2.9	
19	553.617	1433.6	8.4	0.7	-2.4	-2.5	1.7	3251165	-2.3	
19	553.917	1433.7	7.5	-0.2	-2.6	-3.2	2	3382472	-1.6	
19	554.217	1433.7	6.5	-1.8	-2.7	-3.2	2.2	3495409	-0.5	
19	554.517	1433.8	6	-2.7	-2.8	-3.3	2.4	3579060	0.1	
19	554.817	1434	6.4	-2.7	-2.8	-2.3	2.6	3628683	1	
19	555.117	1434	6.6	-2.5	-2.8	-1.3	2.6	3634983	1.6	
19	555.417	1434.1	7.3	-2.5	-2.2	0	2.4	3616149	2.1	
19	555.717	1434.4	7.9	-2	-1.8	1.2	2.4	3572953	2.3	
19	556.017	1434.7	8.2	-1.8	-1.7	1.7	2.5	3501255	2	
19	556.317	1434.8	8.9	-0.7	-1.4	1.9	2.4	3421161	1.7	
19	556.617	1434.7	8.8	-1.1	-1.4	2	2.3	3344649	1.4	
19	556.917	1434.5	9	-1	-1.5	2	2.1	3271485	1.1	
19	557.217	1434.4	9.4	-0.8	-1.6	1.8	2	3206356	0.8	
19	557.517	1434.2	9.3	-0.3	-1.6	1.2	1.9	3153238	0.6	
19	557.817	1433.9	9.2	-0.5	-2.1	0.9	1.9	3115700	0.5	
19	558.117	1433.9	8.9	-1.2	-2.2	0.3	1.8	3088127	0.5	
19	558.417	1434.1	8.5	-1.4	-2.2	-0.6	1.7	3070015	0.4	
19	558.717	1433.9	9.8	0.7	-2.3	0.4	1.5	3056570	0.3	
19	559.017	1434	9.8	0.9	-2	0	1.4	3043242	0.4	
19	559.317	1434	10.1	0.8	-1.5	0.8	1.2	3030029	0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	559.617	1434	10.3	1.2	-1.2	0.6	1	3021285	0.4	
19	559.917	1433.9	10.8	1.6	-0.8	1.3	0.8	3008262	0.5	
19	560.217	1434	10.2	2	-0.3	0.7	0.7	2991072	0.7	
19	560.517	1434.2	10.2	1.3	0.2	0.8	0.5	2969859	0.5	
19	560.817	1434.5	10.8	2.5	0.6	1.7	0.4	2944797	0.5	
19	561.117	1434.6	10.5	2.2	1	1.1	0.2	2916087	0.5	
19	561.417	1434.4	11.6	3.1	1.1	1.7	0	2887932	0.7	
19	561.717	1434.2	10.5	2.2	1.2	0.2	-0.3	2852521	0.9	
19	562.017	1433.9	10.9	2.2	1.2	1	-0.7	2814181	1.5	
19	562.317	1433.6	10.7	2.6	1.1	1.1	-1.1	2776857	2	
19	562.617	1433.2	11.2	2.2	0.7	2.8	-1.3	2736929	2.6	
19	562.917	1433	10.9	2.2	0.5	3	-1.4	2698132	3.1	
19	563.217	1432.9	10.7	1.1	0.2	3.2	-1.4	2670600	3.6	
19	563.517	1432.9	10	0.7	0.2	3.2	-1.5	2650317	3.8	
19	563.817	1432.7	11.4	2.4	0	4.2	-1.4	2640291	3.7	
19	564.117	1432.7	12.2	3	-0.2	5.5	-0.9	2646966	3.3	
19	564.417	1432.9	12.5	3	-0.3	5	-0.3	2670600	2.4	
19	564.717	1433.4	12.3	2.4	-0.2	4	0.4	2712112	1.3	
19	565.017	1433.6	11.7	1.7	-0.2	2.3	1	2773179	0.4	
19	565.317	1433.6	11.8	2.1	-0.1	1.5	1.4	2848640	-0.7	
19	565.617	1433.8	11.3	1.7	-0.1	0.4	1.8	2928322	-1.5	
19	565.917	1433.8	10.8	1.6	-0.4	-0.5	2.2	3016931	-1.9	
19	566.217	1433.7	10.2	1.8	-0.7	-2.3	2.4	3115700	-2	
19	566.517	1433.5	9.5	2	-0.9	-3.5	2.3	3211273	-1.9	
19	566.817	1433.1	8.8	2.3	-1.4	-3.8	2.1	3297245	-1.2	
19	567.117	1432.8	8.4	2.4	-1.9	-3.7	1.9	3371579	-0.3	
19	567.417	1432.4	8.4	2	-2.3	-2.9	1.6	3432378	0.7	
19	567.717	1431.7	8.4	1.8	-2.7	-2.5	1.2	3477990	1.6	
19	568.017	1431.3	8	0.7	-3	-1.4	1	3513004	2.7	
19	568.317	1431.1	8.8	0.9	-3.2	-0.2	0.8	3536740	3.2	
19	568.617	1431.3	9.6	1.4	-2.9	0.8	0.7	3542725	3.4	
19	568.917	1431.5	10	1.1	-2.7	1.5	0.7	3530776	3.4	
19	569.217	1432	10.3	1.5	-2.2	1.9	0.8	3513004	3.2	
19	569.517	1432.3	11.3	2.3	-1.9	2.6	0.9	3483777	3	
19	569.817	1432.6	12.3	2.9	-1.7	2.9	1	3443668	2.7	
19	570.117	1432.8	13.2	3.9	-1.3	3.2	1.1	3398945	2.6	
19	570.417	1432.9	12.9	3.7	-1.2	3.1	1.2	3355369	2.5	
19	570.717	1433.1	13.6	4.7	-0.9	3.2	1.3	3307662	2.2	
19	571.017	1433.4	14.2	5.7	-0.7	2.6	1.4	3256221	1.9	
19	571.317	1433.4	14.2	4.4	-0.8	2.5	1.4	3201453	1.9	
19	571.617	1433.7	14.3	4.5	-0.8	2.4	1.6	3143769	2	
19	571.917	1433.8	15	4.9	-1	2.8	1.7	3079045	2.1	
19	572.217	1434.2	15.7	5.4	-0.9	2.2	1.9	3008262	1.9	
19	572.517	1434.3	16.7	5.9	-1	3.1	2.1	2928322	1.9	
19	572.817	1434.4	16.6	6.4	-1.1	3.1	2.3	2848640	1.9	
19	573.117	1434.3	16.3	6.1	-1.3	2.3	2.3	2776857	1.9	
19	573.417	1434.2	17.4	6.6	-1.5	2.8	2.2	2715630	1.7	
19	573.717	1434.1	17.2	6.7	-1.5	2.6	2	2660420	1.7	
19	574.017	1433.9	17.4	5.8	-1.6	2.6	1.8	2620464	1.7	
19	574.317	1433.9	17.4	6.9	-1.5	2.3	1.5	2597705	1.5	
19	574.617	1433.8	18.4	7.5	-1.4	3	1.2	2594486	1.3	
19	574.917	1433.6	17.8	7.1	-1.4	1.6	0.9	2613921	1.1	
19	575.217	1433.6	18	6.8	-1.2	1.7	0.6	2653676	0.9	
19	575.517	1433.5	18.2	7.3	-1.1	1.9	0.4	2712112	0.7	
19	575.817	1433.6	18.4	7.7	-0.8	1.9	0.3	2791667	0.5	
19	576.117	1433.8	18.3	8.3	-0.6	1.6	0.3	2895920	0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	576.417	1433.8	18.8	7.4	-0.6	1.8	0.4	3003946	0.1	
19	576.717	1433.9	18.2	6	-0.6	0.9	0.6	3115700	0	
19	577.017	1433.9	17.7	5.2	-0.5	0.5	0.7	3211273	0	
19	577.317	1433.9	17.8	5.5	-0.6	0.8	0.9	3297245	0.1	
19	577.617	1434.1	17.8	6.1	-0.5	0.9	1.1	3355369	0.1	
19	577.917	1434	17.6	5.8	-0.7	1	1.3	3382472	0.3	
19	578.217	1434	16.6	5.3	-0.8	0.5	1.4	3382472	0.5	
19	578.517	1434.1	16.8	6	-1	1.2	1.6	3355369	0.6	
19	578.817	1434.1	16.7	6.5	-1.1	0.9	1.7	3307662	0.7	
19	579.117	1433.8	17.1	7.6	-1.4	2.1	1.7	3256221	0.8	
19	579.417	1433.7	16	7.2	-1.5	1.7	1.7	3206356	1.1	
19	579.717	1433.7	16.3	7.9	-1.4	2.5	1.7	3162765	1.1	
19	580.017	1433.4	16	7.6	-1.7	2.4	1.6	3129672	1.1	
19	580.317	1433.3	15.5	7.1	-1.7	2.3	1.5	3101852	1.2	
19	580.617	1433.2	14.8	6.8	-1.6	2.4	1.4	3088127	1.3	
19	580.917	1433.2	14.2	5.4	-1.6	1.9	1.4	3092689	1.1	
19	581.217	1433.1	14.2	4.6	-1.7	2.2	1.3	3111070	1.1	
19	581.517	1433.2	13.4	3.4	-1.3	1.3	1.2	3139056	0.9	
19	581.817	1433.1	13.1	2.8	-1.1	1.5	1.1	3181991	0.7	
19	582.117	1433	12.1	0.8	-0.9	1.2	0.9	3231096	0.7	
19	582.417	1432.9	11.7	-0.6	-0.4	0.7	0.8	3286892	0.7	
19	582.717	1433	11.1	-2.1	0	0.7	0.7	3350000	0.7	
19	583.017	1432.9	10.7	-2.2	0.3	0.4	0.5	3415580	0.6	
19	583.317	1432.7	10	-3.6	0.5	0.2	0.3	3466474	0.6	
19	583.617	1432.9	9.4	-4.8	0.9	-0.8	0.1	3501255	0.6	
19	583.917	1432.8	8.9	-5.3	0.8	-1.2	-0.2	3507119	0.5	
19	584.217	1432.4	8.6	-5.7	0.1	-0.4	-0.2	3489584	1.1	
19	584.517	1432.2	6.9	-8.1	-0.5	-1.3	-0.2	3438014	1.6	
19	584.817	1431.6	7.4	-8.3	-1.4	-0.3	-0.2	3366158	2	
19	585.117	1431.3	6.8	-9.9	-2	-1.1	-0.2	3286892	2.2	
19	585.417	1430.9	7	-9.6	-2.5	-0.1	-0.3	3201453	2.5	
19	585.717	1430.6	6.5	-9.8	-2.8	0.4	-0.4	3120343	3.2	
19	586.017	1430.7	7.4	-10	-2.9	1.6	-0.5	3052114	3.3	
19	586.317	1431.3	7.7	-9.5	-2.6	1.7	-0.2	2995351	3.3	
19	586.617	1431.9	7.1	-10.3	-1.8	1.2	-0.2	2957275	3	
19	586.917	1432.8	7.5	-9.9	-1.2	2.3	0.1	2936536	2.5	
19	587.217	1433.5	7.7	-10.7	-0.4	1	0.2	2928322	2	
19	587.517	1434	9	-8.8	-0.1	1.9	0.5	2932424	1.7	
19	587.817	1434.5	8.4	-9.6	0.4	0.9	0.7	2940661	1.3	
19	588.117	1434.9	8.6	-9.6	0.7	1.4	1	2948944	0.8	
19	588.417	1435.3	8.9	-9.5	0.9	0.1	1.3	2961457	0.5	
19	588.717	1435.4	9.6	-8.7	0.4	1.3	1.6	2982550	0.4	
19	589.017	1435.5	9.3	-9.5	0.2	1.1	1.7	3008262	0.4	
19	589.317	1435.6	8.5	-9.7	-0.2	-0.2	1.8	3038825	0.4	
19	589.617	1435.9	10	-7.7	-0.2	1.4	1.8	3079045	0.4	
19	589.917	1435.9	10.7	-7.1	-0.3	1.1	1.7	3129672	0.6	
19	590.217	1435.8	10.6	-7.2	-0.5	1.7	1.7	3186835	1	
19	590.517	1435.9	9.5	-8.1	-0.4	1.1	1.5	3251165	1.2	
19	590.817	1435.6	11.1	-5.5	-0.6	2.7	1.2	3318146	1.4	
19	591.117	1435.5	9.7	-7.1	-0.5	1.5	1	3387945	1.7	
19	591.417	1435.3	10	-6.7	-0.4	2	0.8	3449341	1.7	
19	591.717	1435.1	10.7	-6.4	-0.6	3.4	0.7	3495409	1.7	
19	592.017	1435.1	10.3	-5.7	-0.8	2.3	0.7	3530776	1.7	
19	592.317	1435	11.3	-5	-1.1	2.7	0.8	3542725	1.6	
19	592.617	1434.7	11.4	-4.6	-1.4	2.5	0.9	3542725	1.6	
19	592.917	1434.7	10.7	-4.8	-1.6	2.9	1.1	3530776	1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	593.217	1434.6	10.8	-4	-1.9	2.1	1.4	3495409	1.5	
19	593.517	1434.5	10.2	-4	-2.2	2.1	1.6	3449341	1.5	
19	593.817	1434.3	10.1	-4.1	-2.6	1.9	1.9	3393436	1.6	
19	594.117	1434.4	9.5	-3.9	-2.4	1.3	2.1	3323413	1.6	
19	594.417	1434.6	9.3	-3.8	-2.5	1.6	2.4	3261293	1.7	
19	594.717	1434.7	9.8	-2.3	-2.4	1.5	2.5	3211273	1.7	
19	595.017	1434.5	10.3	-1.4	-2.3	1.8	2.4	3162765	1.9	
19	595.317	1434.6	9.1	-2	-2	1	2.3	3125001	1.9	
19	595.617	1434.6	9.3	-1.4	-1.8	1.5	2.1	3097264	1.9	
19	595.917	1434.7	9.6	-0.4	-1.3	2	1.8	3074523	1.8	
19	596.217	1434.6	9.5	0.1	-1.1	1.4	1.6	3043242	1.7	
19	596.517	1434.3	8.9	0	-1.1	1.2	1.3	3021285	1.6	
19	596.817	1434.3	8.6	0	-1	0.9	1.1	2995351	1.3	
19	597.117	1434.2	8.7	1.8	-0.9	0.5	0.9	2978308	1	
19	597.417	1434.1	9.4	2	-0.8	0.1	0.8	2957275	0.6	
19	597.717	1433.9	9.3	2.5	-1.1	0.6	0.9	2940661	0.4	
19	598.017	1434	8.6	1.6	-1.2	-0.3	1.1	2920154	0.2	
19	598.317	1434	8.6	2.1	-1.3	-0.8	1.1	2903953	-0.2	
19	598.617	1433.8	9.4	2	-1.5	-0.6	1.1	2895920	-0.5	
19	598.917	1433.8	9.2	1.5	-1.3	-0.6	1.1	2895920	-0.5	
19	599.217	1433.8	8.7	1.6	-1.2	-0.9	1	2899931	-0.5	
19	599.517	1433.8	8.5	1	-0.9	-1.2	0.8	2907987	-0.6	
19	599.817	1433.7	9.6	1.9	-0.9	-0.2	0.6	2916087	-0.7	
19	600.117	1433.6	9	0	-0.6	-1.4	0.4	2916087	-0.8	
19	600.417	1433.6	8.8	0.4	-0.5	-0.7	0.2	2907987	-0.8	
19	600.717	1433.7	8.7	0.1	-0.4	-0.4	0.1	2891920	-0.8	
19	601.017	1433.9	9.4	0.5	-0.1	0.1	0.1	2868151	-0.9	
19	601.317	1433.8	9.7	0.1	-0.4	0.5	0.2	2840910	-1	
19	601.617	1433.8	9.7	0.4	-0.8	1	0.4	2806636	-1	
19	601.917	1433.7	9.4	0.9	-1.3	0.8	0.5	2765853	-0.9	
19	602.217	1433.9	8.8	-1.2	-1.2	-0.5	0.7	2726238	-0.8	
19	602.517	1433.8	9.8	-0.9	-1.5	1.1	0.8	2694660	-0.4	
19	602.817	1433.8	8.8	-1.8	-1.4	1	0.9	2674011	0.1	
19	603.117	1434	8	-1.5	-1.3	1.1	1.1	2663805	0.9	
19	603.417	1434	7.4	-3.7	-1.3	0.9	1.1	2670600	1.5	
19	603.717	1434.2	7.2	-2.5	-1.1	1.6	1.1	2687741	2.3	
19	604.017	1434.7	6.7	-3.3	-0.6	1.8	1.1	2722692	2.9	
19	604.317	1435.2	6.9	-3.8	0	2.5	1	2765853	3.2	
19	604.617	1435.2	7.4	-2.9	0	3.5	0.8	2825574	3.3	
19	604.917	1435.3	7.5	-3.8	0	3	0.8	2891920	3	
19	605.217	1435.1	6.9	-4.5	0	2.9	0.6	2957275	2.7	
19	605.517	1434.8	6.9	-3.8	-0.1	3.5	0.3	3016931	2	
19	605.817	1434.5	6.5	-4.3	-0.3	3	0.1	3065520	1.7	
19	606.117	1434.5	6	-4.2	-0.5	2.2	0.2	3101852	1.4	
19	606.417	1434.7	5.8	-4.3	-0.7	2.4	0.3	3129672	1.1	
19	606.717	1434.8	5.7	-3.8	-1	2	0.4	3148497	0.7	
19	607.017	1434.9	5.6	-3.7	-1	1.2	0.5	3157994	0.5	
19	607.317	1435.1	5.1	-4.7	-0.9	0.8	0.7	3153238	0.5	
19	607.617	1435.1	4.6	-5.7	-1.1	0.9	0.9	3143769	0.7	
19	607.917	1435.3	2.8	-6.3	-1	-1	1.2	3143769	0.9	
19	608.217	1435.5	2.9	-6.4	-0.9	-0.6	1.4	3162765	0.9	
19	608.517	1435.4	3.1	-6.5	-0.9	-0.4	1.5	3181991	1	
19	608.817	1435.5	2.2	-7.3	-1	-0.8	1.6	3211273	1.3	
19	609.117	1435.7	1.9	-7	-1	-0.8	1.6	3241100	1.4	
19	609.417	1435.7	2.4	-6.2	-1	-1.2	1.6	3271485	1.4	
19	609.717	1435.4	2	-6.7	-1.4	-1.2	1.6	3286892	1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	610.017	1435.5	1.9	-7.5	-1.4	-1.3	1.7	3292060	1.4	
19	610.317	1435.5	2.5	-6.8	-1.7	0.1	1.9	3292060	1.3	
19	610.617	1435.5	2.3	-6.3	-1.8	-0.2	1.9	3281740	1.2	
19	610.917	1435.1	3	-5.6	-1.9	-0.2	1.8	3261293	0.8	
19	611.217	1435.1	2.7	-6.7	-1.8	-0.2	1.7	3231096	0.6	
19	611.517	1435.3	2.5	-6.7	-1.7	-0.3	1.7	3196565	0.4	
19	611.817	1435.3	4.3	-4.4	-1.9	1.1	1.8	3162765	0.3	
19	612.117	1435.3	4.6	-3.9	-1.7	1	1.8	3129672	0.3	
19	612.417	1435.3	4.5	-5.1	-1.7	0.9	1.7	3097264	0.3	
19	612.717	1435.3	4.5	-4.5	-1.5	0.1	1.5	3061039	0.4	
19	613.017	1435.3	4.5	-4.3	-1.5	0.7	1.4	3016931	0.6	
19	613.317	1435.1	4.8	-3.9	-1.3	0.6	1.2	2982550	0.8	
19	613.617	1435	4.8	-4.6	-1.3	1	1.1	2948944	1.1	
19	613.917	1434.9	4.5	-5.2	-1.2	1.5	0.9	2924232	1.7	
19	614.217	1435.1	4.5	-5.2	-1	0.9	0.9	2912031	2	
19	614.517	1435.1	5.7	-3.7	-0.7	1.7	0.8	2899931	2.2	
19	614.817	1435.2	5.8	-3	-0.6	2.3	0.8	2887932	2.3	
19	615.117	1435.2	7	-2.8	-0.5	4	0.8	2883954	2.4	
19	615.417	1435.3	6.5	-2.3	-0.5	3.6	0.9	2887932	2.5	
19	615.717	1435.3	6.9	-1.1	-0.4	3.6	1	2887932	2.5	
19	616.017	1435.2	7	-0.4	-0.5	3.6	1	2887932	2.5	
19	616.317	1435.2	6.8	-0.4	-0.4	3.4	1	2903953	2.3	
19	616.617	1435.2	6.8	0.1	-0.5	3	0.9	2928322	2	
19	616.917	1434.7	7.8	0.9	-1	3.1	0.9	2974077	1.6	
19	617.217	1434.6	7	-0.4	-1.1	2	1	3034421	1.4	
19	617.517	1434.5	6.3	-1.2	-1.2	1.3	1	3115700	1	
19	617.817	1434.5	6.4	-0.5	-1.1	1.5	0.9	3226118	0.6	
19	618.117	1434.4	6.7	-0.2	-0.9	0.8	0.7	3371579	-0.1	
19	618.417	1434.3	7	0.5	-0.8	0.8	0.7	3548729	-0.4	
19	618.717	1434.3	6.9	0.9	-0.4	0.9	0.5	3765738	-0.8	
19	619.017	1434.5	7.1	1.3	-0.2	1	0.5	4018714	-1.2	
19	619.317	1434.5	6.9	1.2	0.4	0.5	0.4	4308128	-1.5	
19	619.617	1434.3	6.9	1.3	0.3	0.9	0.5	4632191	-1.5	
19	619.917	1434.3	5	-0.1	0.5	-0.9	0.5	5008972	-1.2	
19	620.217	1434.2	4.5	-0.1	0.4	-1.4	0.4	5452474	-0.7	
19	620.517	1434	4.6	1.8	0.1	-1.1	0.4	6016523	-0.1	
19	620.817	1433.7	4.5	1.6	-0.3	-0.6	0.5	6710737	0.8	
19	621.117	1433.3	3.6	0.5	-1	-0.2	0.7	7531475	2.2	
19	621.417	1433.1	2.9	0.7	-1.6	-0.4	0.9	8476721	3	
19	621.717	1432.7	2.1	0.2	-2.2	-0.4	1.1	9648618	4	
19	622.017	1432.4	2	-0.4	-2.5	0.2	1.2	11136968	4.8	
19	622.317	1432.2	3.1	1.1	-3	2.7	1.4	13085938	5.1	
19	622.617	1432.4	3.9	2	-3	3.6	1.6	15509259	5	
19	622.917	1432.6	4.4	1.9	-3	3.9	1.9	18206522	4.6	
19	623.217	1432.7	4.7	2.4	-2.9	3.9	1.9		4	
19	623.517	1432.9	5	2	-2.6	4.1	1.9		3.3	
19	623.817	1433.1	5.5	2.8	-2.2	3.8	1.7		2.4	
19	624.117	1433.1	6.1	3.6	-1.8	3.6	1.4		1.4	
19	624.417	1433.2	6.3	2	-1.4	3.1	1.3		1	
19	624.717	1433.3	6	1.4	-1.1	2.1	1.1		0.6	
19	625.017	1433.4	6.1	1.6	-0.9	1.1	0.9		0.5	
19	625.317	1433.5	5.5	1	-0.5	0.2	0.5		0.6	
19	625.617	1433.6	5	0.5	0	0	0.3		1.1	
19	625.917	1434	4.7	-0.1	0.7	-0.4	0.1		1.4	
19	626.217	1434.2	5.3	0.5	1.3	0.1	-0.2		1.6	
19	626.517	1434.3	5.7	1.2	2.1	0.3	-0.3		2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	626.817	1434.2	6.3	1.8	2.7	1.3	-0.7		2.6	
19	627.117	1434.4	5.9	0.2	3.2	1.2	-0.9		3	
19	627.417	1434.5	7.1	1.3	3.3	2.4	-1.1		3	
19	627.717	1434.3	7.3	0.3	3.2	2.6	-1.4		2.9	
19	628.017	1434	7.4	0.9	2.9	3.1	-1.6		2.8	
19	628.317	1433.6	8	1.1	2.2	3.9	-1.7		2.7	
19	628.617	1433	8.1	1.1	2	2.6	-1.9	-1.9E+07	1.9	
19	628.917	1431.9	8.9	2.1	1.1	3.2	-1.9	-1.7E+07	1.5	
19	629.217	1431.1	8.9	2.1	0.5	2.4	-1.9	-1.5E+07	1.1	
19	629.517	1430.9	9.3	1.5	0.2	3.1	-1.8	-1.3E+07	0.9	
19	629.817	1431.2	9.2	2.2	0.7	2.1	-1.8	-1.2E+07	0.5	
19	630.117	1431.6	9.7	3.4	1.2	1.8	-1.7	-1E+07	0	
19	630.417	1431.9	9.2	2.8	1.7	1.3	-1.7	-9103261	-0.1	
19	630.717	1432.1	8.9	2.2	2.1	0.5	-1.7	-8341634	-0.2	
19	631.017	1431.6	9.4	2.4	1.8	1.2	-1.6	-7754630	-0.1	
19	631.317	1431.2	8.7	1.8	1.9	0.4	-1.4	-7295296	-0.2	
19	631.617	1430.8	8.8	1.7	1.6	0.8	-1.3	-6887336	-0.2	
19	631.917	1430.6	8.2	1.3	1.4	-0.4	-1.1	-6502329	-0.3	
19	632.217	1430.2	8.1	1.2	0.6	-0.2	-1	-6176254	-0.2	
19	632.517	1429.9	8.4	3.4	0.1	0.1	-0.8	-5864846	-0.2	
19	632.817	1429.9	8.1	3.6	-0.5	0.2	-0.5	-5539021	-0.2	
19	633.117	1429.9	8.3	3.7	-1	0.2	-0.2	-5195410	-0.2	
19	633.417	1429.8	8.1	3.6	-0.9	-0.6	-0.2	-4869186	-0.2	
19	633.717	1429.6	7.4	3.8	-1.1	-0.5	-0.2	-4581510	0	
19	634.017	1429.8	6.8	3.9	-0.8	-0.8	-0.2	-4343880	0	
19	634.317	1429.8	7.3	5.2	-1	0.1	-0.2	-4154266	0	
19	634.617	1429.9	6.9	4.9	-1	-0.2	-0.2	-3995706	0	
19	634.917	1429.6	6.5	3.4	-1	-0.7	-0.5	-3877315	0.4	
19	635.217	1429.9	6.2	2.3	-0.7	-0.7	-0.7	-3779333	0.4	
19	635.517	1430.1	6.8	2.4	-0.4	-0.1	-0.8	-3718917	0.1	
19	635.817	1430.2	7.5	2.8	-0.2	0.5	-0.8	-3679702	0.1	
19	636.117	1430.7	7	2	0.3	0.4	-0.6	-3654014	0	
19	636.417	1430.9	6.4	0.9	0.4	-0.8	-0.5	-3654014	0.2	
19	636.717	1431.5	6.2	0.1	0.8	-0.7	-0.2	-3660403	0.4	
19	637.017	1431.9	6.1	-0.2	1.1	-0.4	-0.1	-3692681	0.5	
19	637.317	1432.4	6.7	0.7	1.4	-0.8	0.3	-3745528	0.7	
19	637.617	1432.7	6.4	0.3	1.3	0	0.4	-3827697	1.4	
19	637.917	1432.8	5.7	0.2	1.2	-0.9	0.4	-3950472	2.2	
19	638.217	1432.6	6.1	1.1	1.1	0.3	0.2	-4105393	3.6	
19	638.517	1432.4	5.7	1	1.1	-0.6	-0.3	-4290472	4	
19	638.817	1432.2	7.9	2.6	1.1	3.6	-0.8	-4522139	4.6	
19	639.117	1432	7.3	1.6	1	3.4	-1.2	-4780251	5.4	
19	639.417	1432	7.2	0.9	1.2	4	-1.6	-5057367	5.8	
19	639.717	1431.9	9.8	3.9	1.2	6.2	-1.9	-5327608	6.1	
19	640.017	1432.1	9.4	2.3	1.3	5.9	-2	-5568484	6.2	
19	640.317	1432.3	10.7	3.4	1.2	7.7	-1.9	-5752061	5.9	
19	640.617	1432.5	11.3	3.9	1.3	7.1	-1.7	-5897888	5.4	
19	640.917	1432.5	13.5	5.5	1	9.1	-1.4	-5999284	4.4	
19	641.217	1432.8	11.4	3.3	1.1	4.4	-1	-6033862	3.7	
19	641.517	1432.8	12.3	3.4	0.9	5.1	-0.8	-5982143	2.8	
19	641.817	1432.8	11.8	2.9	0.7	3.4	-0.7	-5881320	1.9	
19	642.117	1432.8	12.8	3.5	0.5	2.2	-0.5	-5736302	1	
19	642.417	1432.9	13	3.8	0.2	2.1	-0.4	-5568484	0.5	
19	642.717	1433.2	12.1	2.4	0.5	-0.5	-0.5	-5382391	-0.4	
19	643.017	1433.2	13	3.8	0.3	0.2	-0.6	-5144349	-0.8	
19	643.317	1433.3	11.9	3	0.6	-3	-0.8	-4880536	-1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	643.617	1433.3	13.5	4.1	0.4	0.1	-0.8	-4621965	-1.5	
19	643.917	1433.5	12.6	3.9	0.6	-1.9	-0.8	-4380230	-1.6	
19	644.217	1433.6	13.3	4.5	0.7	-0.4	-0.8	-4137846	-1.8	
19	644.517	1433.7	13.4	5.2	0.8	-1.2	-0.7	-3920881	-1.7	
19	644.817	1434	13.3	5.2	0.9	-1.3	-0.5	-3718917	-1.8	
19	645.117	1434.2	13.7	5.3	1.1	-0.3	-0.5	-3548729	-1.4	
19	645.417	1434.5	12.6	4.5	1.3	-1.4	-0.4	-3404472	-1.3	
19	645.717	1434.5	13.8	5.5	1.2	0.6	-0.3	-3292060	-0.8	
19	646.017	1434.7	12.4	4.3	1.4	-1.6	-0.3	-3211273	-0.7	
19	646.317	1434.7	13.5	6.1	1.1	0.4	-0.2	-3139056	-0.3	
19	646.617	1434.7	12.1	5.3	0.9	-1.4	-0.2	-3074523	0	
19	646.917	1434.3	13.1	5.8	0.3	0.2	-0.2	-3003946	0.3	
19	647.217	1434.3	12.6	5.7	-0.1	-0.3	-0.1	-2936536	0.9	
19	647.517	1434	13.1	6.6	-0.8	0.8	0.1	-2868151	1.7	
19	647.817	1433.9	12.4	6.2	-1.2	0.4	0.3	-2806636	2.3	
19	648.117	1433.9	12.8	6	-1.2	0.9	0.4	-2744103	2.6	
19	648.417	1433.8	13.1	5.6	-1.5	1.9	0.5	-2684295	3	
19	648.717	1434.2	13	6	-1.1	0.7	0.6	-2633648	3.4	
19	649.017	1434.4	13.6	7.2	-0.9	2.9	0.6	-2604167	3.8	
19	649.317	1434.8	12.9	6.7	-0.2	0.4	0.5	-2591275	4	
19	649.617	1435.1	14.3	8.2	0.4	2.5	0.3	-2594486	4	
19	649.917	1435.2	14.4	7.7	1	1.6	-0.1	-2607410	4	
19	650.217	1435.1	15.9	9.5	1.3	3.2	-0.5	-2620464	4	
19	650.517	1434.9	15.2	9.5	1.5	1.5	-0.8	-2636965	4	
19	650.817	1435	16.1	10	2	1.7	-1.1	-2657044	3.6	
19	651.117	1434.7	17.8	12.1	1.9	2.8	-1.4	-2674011	3.4	
19	651.417	1434.8	16.9	9	2.3	0.6	-1.7	-2680858	2.8	
19	651.717	1434.6	19.8	12.5	2.3	3.6	-1.9	-2680858	2.5	
19	652.017	1434.5	19	11.8	2.3	0.6	-2	-2674011	2.2	
19	652.317	1434.6	20.4	10.6	2.4	2.5	-2.1	-2663805	1.9	
19	652.617	1434.7	20.9	11.5	2.5	0.5	-2.1	-2650317	1.6	
19	652.917	1434.5	22.6	11.9	2.6	2.3	-2.3	-2636965	1	
19	653.217	1434.4	23	11.7	2.7	1.2	-2.4	-2627039	0.8	
19	653.517	1434.2	23.9	10.4	2.9	1.8	-2.6	-2617188	0.4	
19	653.817	1434	24.5	13.1	2.7	2.2	-2.7	-2604167	0.2	
19	654.117	1433.7	24.6	12.3	3	0.7	-3	-2581690	-0.2	
19	654.417	1433.4	26.9	15.1	2.8	3	-3	-2547142	-0.4	
19	654.717	1433.5	25.2	12.4	3.1	-0.1	-3.1	-2495531	-0.9	
19	655.017	1433.5	28	15	3	2.9	-3.2	-2423322	-1.2	
19	655.317	1433.5	27.4	15.3	3.1	0.1	-3.2	-2344626	-1.5	
19	655.617	1433.2	29.2	16.2	2.6	1.9	-2.9	-2256197	-1.8	
19	655.917	1433.2	27.2	15.3	2.3	-1	-2.4	-2160733	-1.9	
19	656.217	1433.2	28.1	14.6	2	0.2	-2.1	-2062809	-2	
19	656.517	1432.9	27.6	15	1.6	-0.3	-1.9	-1967811	-1.5	
19	656.817	1432.7	27.9	14.6	1.3	-0.2	-1.8	-1879489	-1.2	
19	657.117	1432.4	28.4	15	0.6	2.6	-1.7	-1801851	0	
19	657.417	1432.7	26.9	13.6	0.4	-0.2	-1.4	-1731804	0.5	
19	657.717	1432.7	28.9	15.2	0.1	3.5	-1.2	-1666999	1.3	
19	658.017	1432.5	27.9	15.3	0	1.5	-1.3	-1609340	2.3	
19	658.317	1432.4	28.6	14.8	0	5.4	-1.5	-1559011	3.4	
19	658.617	1432.5	27.3	14.9	0.3	4	-1.8	-1516113	3.9	
19	658.917	1432.7	28.2	14.7	0.5	5.9	-1.7	-1477595	4	
19	659.217	1432.9	26.8	14.7	0.8	3.9	-1.6	-1441978	4.1	
19	659.517	1433.5	26.3	13.2	1.4	3.1	-1.5	-1410884	3.6	
19	659.817	1433.8	27.1	14.5	1.5	4.3	-1.5	-1383841	3.2	
19	660.117	1434.2	25.9	12.8	2	0.8	-1.6	-1361347	2.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	660.417	1434.5	28.1	15.7	2.1	3.2	-1.4	-1343872	1.8	
19	660.717	1434.7	26	13.2	2.1	0.1	-1.1	-1329366	1.4	
19	661.017	1434.7	26.4	13.3	1.7	1.7	-0.9	-1316825	1.1	
19	661.317	1434.8	25	12	1.5	-1.4	-0.8	-1306961	1	
19	661.617	1434.8	26.1	12.5	1.5	1.1	-0.8	-1299660	1	
19	661.917	1434.7	25.2	12.3	1.3	0.1	-0.9	-1294037	1.4	
19	662.217	1434.9	25.2	10.9	1.3	0.8	-0.8	-1289256	1.4	
19	662.517	1435	26.5	12.1	1.3	1.5	-0.8	-1284510	1.4	
19	662.817	1435.1	25.6	9.7	1.5	-0.1	-0.9	-1279018	1.5	
19	663.117	1435.1	26	10.8	1.5	1.3	-0.9	-1273572	2.1	
19	663.417	1435.3	24.3	8.2	2	-0.1	-1.1	-1268172	2	
19	663.717	1435.5	26.7	8.9	2.2	2.7	-1.2	-1262818	1.9	
19	664.017	1435.4	25.2	8.3	2.5	0	-1.5	-1256000	1.9	
19	664.317	1435.1	26.8	7	2.7	2.8	-1.9	-1249255	2	
19	664.617	1434.9	24.5	5.5	3	-0.4	-2.4	-1239640	2	
19	664.917	1434.7	26.8	6.4	3.3	2	-3	-1228728	1.7	
19	665.217	1434.5	26.2	5.3	3.4	0.4	-3.4	-1218006	1.7	
19	665.517	1434.3	27.6	5	3.7	1.8	-3.9	-1206078	1.4	
19	665.817	1434.1	26.3	3.3	3.9	0.8	-4.4	-1192342	1.4	
19	666.117	1434.2	26.7	2.8	4.4	0	-4.9	-1176265	0.7	
19	666.417	1434	28.2	3.7	4.4	1.5	-5.1	-1160617	0.5	
19	666.717	1433.9	26.9	2.3	4.6	-1	-5.2	-1145379	0.2	
19	667.017	1433.7	28.5	1.6	4.5	1.4	-5	-1132370	0.2	
19	667.317	1433.8	26.5	1.3	4.6	-1.8	-4.8	-1121453	0.1	
19	667.617	1433.9	29.5	1.5	4.8	0.7	-4.6	-1110744	-0.4	
19	667.917	1433.8	28.5	1.1	4.5	-0.6	-4.2	-1100238	-0.1	
19	668.217	1433.8	29.4	0.2	4.4	0.5	-3.8	-1092203	0	
19	668.517	1434	28.1	0.9	4.1	-0.3	-3.3	-1085408	0.5	
19	668.817	1434	29.2	1.1	4	-0.6	-3	-1081484	0	
19	669.117	1433.8	29.3	1.7	3.7	0.2	-2.9	-1078143	0	
19	669.417	1433.5	30.1	2.2	3	0.2	-2.7	-1074270	0.1	
19	669.717	1433.3	30	1.6	2.4	1.1	-2.6	-1069332	0.1	
19	670.017	1433	30.6	3.7	1.9	0.4	-2.6	-1063899	0.3	
19	670.317	1432.8	30.4	1.5	1.5	0.8	-2.5	-1058520	0.5	
19	670.617	1432.4	31.4	3.5	1	1.5	-2.5	-1051609	0.6	
19	670.917	1432.1	31	2.4	0.6	1.8	-2.6	-1042706	0.7	
19	671.217	1431.9	31.4	4.1	0.4	1.8	-2.6	-1031914	0.8	
19	671.517	1432.1	31.3	3.1	0.7	1.7	-2.6	-1020348	0.9	
19	671.817	1432.7	31.6	4.8	1.6	1.9	-2.6	-1008552	0.9	
19	672.117	1433.1	31.6	5.3	2.2	1.9	-2.6	-997025	1	
19	672.417	1433.5	31.5	4.4	2.9	1.1	-2.7	-983907	1	
19	672.717	1433.9	31.7	5.8	3.6	1.3	-2.8	-971129	1	
19	673.017	1434	31.5	3.4	4.4	1	-3	-958678	1	
19	673.317	1434.2	31.7	5.7	5.1	0.8	-3.1	-946543	1	
19	673.617	1434.2	31.6	5.2	5.4	0.6	-3.3	-935129	1	
19	673.917	1434.1	31.6	6.6	5.5	0.3	-3.6	-924803	1.1	
19	674.217	1434	31.1	5	5.4	0	-3.9	-915903	1.4	
19	674.517	1433.7	31.3	6.1	5.1	0.4	-4.3	-908747	1.8	
19	674.817	1433.6	32.1	6.9	5	2.1	-4.6	-904429	2.2	
19	675.117	1433.3	32.3	5.8	4.6	2.2	-4.7	-902869	2.5	
19	675.417	1432.8	31.7	6.1	4.4	2.9	-4.9	-902869	3.2	
19	675.717	1432.4	32.9	6.9	3.7	4.2	-4.9	-904429	3.5	
19	676.017	1432.2	32.5	8.2	3.4	4.4	-4.8	-907172	3.8	
19	676.317	1432.3	33.5	6.8	3.2	5.3	-4.5	-911120	3.8	
19	676.617	1432.3	33.3	8.1	3	5.4	-4.3	-915903	3.7	
19	676.917	1432.6	33.7	6.9	2.9	5.3	-3.9	-920736	2.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	677.217	1432.9	32.9	8.4	2.7	3.9	-3.5	-924803	2.4	
19	677.517	1432.9	33.4	6.6	2.5	3	-3.2	-927260	1.4	
19	677.817	1432.6	32.5	6.3	2.1	2.1	-3	-929318	1	
19	678.117	1432.9	32.7	5.1	2.2	1.4	-2.7	-930557	0.1	
19	678.417	1432.9	32.1	5.8	2.2	1	-2.7	-930971	-0.6	
19	678.717	1433.1	32.4	5.7	2	-0.1	-2.5	-930971	-1.2	
19	679.017	1433.3	32	3.8	2.1	-0.1	-2.3	-930557	-1.6	
19	679.317	1433.4	31.2	4.3	2	-0.7	-2.3	-930557	-1.8	
19	679.617	1433.8	30.6	2.1	2.3	-1.2	-2.4	-930557	-1.9	
19	679.917	1434	31.3	4.8	2.5	-0.4	-2.5	-930144	-1.9	
19	680.217	1434.2	31	1.5	3	-0.7	-2.6	-929318	-1.8	
19	680.517	1434.4	30	1.5	3.1	-0.3	-2.7	-927260	-1.4	
19	680.817	1434.6	28.6	-0.8	3.5	-2	-2.8	-923987	-1	
19	681.117	1434.8	29	0.9	3.8	-0.2	-3	-919927	-0.7	
19	681.417	1434.8	27.8	-1.4	3.9	-1.4	-3.1	-914303	0.3	
19	681.717	1434.8	26.5	-2.8	4	0	-3.2	-907172	0.9	
19	682.017	1435	26.9	-3.2	4.1	0.2	-3.3	-899765	1.5	
19	682.317	1435.1	26.2	-3.8	4.2	0.2	-3.6	-890580	1.7	
19	682.617	1435	27.3	-3.3	4	1.4	-3.6	-880469	2.7	
19	682.917	1435.1	25	-5.4	4.2	1.3	-3.7	-869499	3.2	
19	683.217	1434.9	27.1	-4.3	3.8	3.8	-3.7	-858096	3.6	
19	683.517	1434.9	24.6	-6.4	3.9	1.8	-3.8	-846988	4.1	
19	683.817	1434.7	27	-4.4	3.7	4.9	-3.7	-836164	4.8	
19	684.117	1434.6	23.6	-7.7	3.7	3.6	-3.7	-825939	5.1	
19	684.417	1434.6	25.7	-5.9	3.7	5.4	-3.7	-816916	5	
19	684.717	1435	24.1	-7.5	3.8	4	-3.5	-810277	4.8	
19	685.017	1435	26.3	-5.2	3.7	5.8	-3.4	-806221	4.6	
19	685.317	1434.9	23.8	-7.9	3.6	3.8	-3.4	-804053	4.6	
19	685.617	1435	25.1	-6.4	3.7	4.9	-3.5	-804671	4.1	
19	685.917	1434.8	24.9	-6.8	3.7	5	-3.7	-807464	3.8	
19	686.217	1434.6	26	-5.6	3.6	4.5	-3.9	-812163	3.4	
19	686.517	1434.3	23.8	-7.8	3.2	3.9	-3.9	-818193	3.3	
19	686.817	1434.3	23.7	-7.4	3.2	2.8	-4	-825288	3.2	
19	687.117	1434.3	23.6	-7.7	2.9	4.4	-4	-832507	3.1	
19	687.417	1434.4	22.8	-9.3	3.1	1.8	-4.2	-839180	3	
19	687.717	1434.4	24.2	-8.1	2.9	4.8	-4.1	-845278	2.9	
19	688.017	1434.7	21.5	-10.2	3	0.8	-3.9	-850774	2.8	
19	688.317	1434.8	22.8	-10.1	3	3.1	-3.7	-854245	2.7	
19	688.617	1435.2	22.8	-9.7	3.1	2	-3.3	-856692	2.5	
19	688.917	1435.4	22.8	-10.7	3.4	2.9	-3.1	-857042	2.4	
19	689.217	1435.5	22.5	-10.8	3.3	2.5	-2.9	-855641	2.5	
19	689.517	1435.9	20.5	-13.2	3.6	0.5	-2.7	-853549	2.5	
19	689.817	1436	21.8	-11.1	3.7	3.3	-2.7	-851120	2.4	
19	690.117	1436.3	20.7	-12.7	4.2	0.2	-2.8	-848361	2.3	
19	690.417	1436.1	21.8	-10.7	3.9	2.8	-3	-844937	2.2	
19	690.717	1436.1	19.9	-12.8	4.3	-0.2	-3.3	-840865	2.2	
19	691.017	1436.1	20.6	-11.5	4.2	1	-3.6	-836832	1.9	
19	691.317	1435.9	20.9	-11.5	4.3	0.1	-4	-833833	1.5	
19	691.617	1435.8	21.3	-10.7	4.8	0.2	-4.4	-830525	1.2	
19	691.917	1435.7	21.4	-9.8	4.5	0.8	-4.5	-827571	1.1	
19	692.217	1435.5	19	-11.6	4.9	-2.5	-5	-823989	0.9	
19	692.517	1435.5	21.5	-9.8	5.1	0.3	-5.4	-821080	0.8	
19	692.817	1435.7	20.9	-10.1	5.8	-1.8	-5.8	-818193	0.8	
19	693.117	1435.5	21.7	-8.3	5.9	0.8	-6.2	-815643	1.6	
19	693.417	1435.8	20.2	-8.4	6.3	-0.8	-6.3	-812793	2.3	
19	693.717	1435.8	21.8	-7.2	6.6	0.9	-6.5	-809963	2.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	694.017	1435.4	22.1	-5.7	6.5	1.3	-6.7	-806842	2.9	
19	694.317	1435.4	22.9	-3.6	6.7	2.8	-6.7	-803745	3.2	
19	694.617	1435.1	23	-3.9	6.2	3.7	-6.4	-800977	3.6	
19	694.917	1435.3	23.2	-3	5.9	3.5	-5.9	-797621	3.4	
19	695.217	1435.2	25.1	-2.2	5.2	5.5	-5.4	-793991	3	
19	695.517	1435.5	25.2	0.2	4.9	4.1	-4.7	-790693	2.4	
19	695.817	1435.5	26	-1.1	4	5.8	-4	-788015	2.1	
19	696.117	1435.5	25.8	1.2	3.5	4.2	-3.3	-786239	2	
19	696.417	1435.3	26.2	-0.8	2.9	5.3	-2.6	-785355	1.9	
19	696.717	1435.2	25.3	1.7	2.4	3	-2.1	-785355	1.8	
19	697.017	1435.1	26.9	1.2	2	5.2	-1.7	-786535	1.8	
19	697.317	1435.1	24.7	0.6	1.6	2.8	-1.5	-788608	2.4	
19	697.617	1435.2	24.3	-2	1.8	2.3	-1.4	-792189	2.8	
19	697.917	1435.2	25.4	1.6	1.8	3.8	-1.4	-796407	3.2	
19	698.217	1435.1	24.4	-0.7	2.2	2.5	-1.7	-800977	3.5	
19	698.517	1434.8	25.3	0.4	2.2	3.8	-2	-805600	4	
19	698.817	1434.6	23.5	-2.5	2.6	2.1	-2.4	-809650	4.1	
19	699.117	1434.5	25.3	1.5	3	5	-2.7	-813741	4.1	
19	699.417	1434.6	23.9	0.2	3.2	1.8	-2.9	-817554	4	
19	699.717	1434.7	25.4	1.8	3.4	4.8	-3.1	-820758	3.8	
19	700.017	1434.5	24.4	1.6	3.5	3.2	-3.3	-823664	3.8	
19	700.317	1434.1	24.4	0.2	3.4	3.3	-3.6	-825939	3.6	
19	700.617	1433.8	24.7	3.2	3.3	3.8	-3.9	-828226	3.4	
19	700.917	1433.6	25.2	2.4	3.2	3.4	-4	-830525	3.2	
19	701.217	1433.5	24.8	2	3.2	3.2	-3.9	-831845	3.1	
19	701.517	1433.3	23.6	0.8	3.2	1.7	-4.1	-832507	3	
19	701.817	1433.6	25.3	2.8	3.2	3.9	-4.1	-832507	2.8	
19	702.117	1433.6	24.1	3.6	3.3	1.3	-4.4	-830855	2.5	
19	702.417	1433.5	25.8	4	3.1	3.4	-4.5	-829210	2.4	
19	702.717	1433.5	23.9	3.2	3.3	1.5	-4.5	-828554	2.5	
19	703.017	1433.7	24.3	2.5	3.6	1.8	-4.5	-828882	2.3	
19	703.317	1433.9	24.6	4.7	3.9	1.6	-4.6	-831515	1.9	
19	703.617	1433.9	25.8	5.2	3.9	2.6	-4.7	-834830	1.5	
19	703.917	1434	24.4	3.5	4.1	1.2	-4.7	-839180	1.4	
19	704.217	1434.4	24.5	3.2	4.4	0.4	-4.7	-844256	1	
19	704.517	1434.8	25.2	3.8	4.6	1.4	-4.6	-849738	0.5	
19	704.817	1435.3	25.1	6.1	5.2	-0.2	-4.6	-854943	0	
19	705.117	1435.3	25.4	3.9	5.2	0.8	-4.6	-858448	-0.3	
19	705.417	1435.4	24.8	3.9	5.2	-0.4	-4.5	-860211	-0.5	
19	705.717	1435.6	24.7	3	5.3	0	-4.4	-859152	-0.8	
19	706.017	1435.9	24.6	4.4	5.5	-2	-4.3	-855292	-1.1	
19	706.317	1435.8	25.6	3.8	5.4	-0.1	-4.2	-849049	-1.3	
19	706.617	1435.8	25	2.9	5.1	-0.5	-3.9	-841203	-0.7	
19	706.917	1436.1	24.5	1.6	5.1	-0.6	-3.6	-833169	-0.5	
19	707.217	1435.9	24.9	1.9	4.3	0.3	-3.3	-824962	0	
19	707.517	1435.9	24.6	1.4	4.2	-0.1	-3	-817235	0.2	
19	707.817	1435.6	25	-0.1	3.7	2.3	-2.7	-809963	1.1	
19	708.117	1435.6	23.2	-2	3.4	0.7	-2.4	-803436	1.6	
19	708.417	1435.5	25.2	-0.8	2.8	4.4	-2.2	-798534	1.9	
19	708.717	1435.3	24.4	-1.4	2.7	2.1	-2	-795500	2.2	
19	709.017	1434.9	25.1	-1.1	2.1	4.5	-1.8	-794594	2.5	
19	709.317	1434.5	24.1	-1.2	1.6	3.6	-1.7	-794896	3	
19	709.617	1434.4	24	-2.9	1.8	4.6	-1.7	-795802	2.7	
19	709.917	1434	24.5	-0.2	1.6	4.1	-1.8	-797621	2.7	
19	710.217	1433.9	22.9	-1.4	1.9	2.8	-2.1	-800059	2.6	
19	710.517	1433.6	23.6	-1.8	1.7	5.4	-2.3	-803745	3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	710.817	1433.8	20.8	-3.6	2.1	1.1	-2.6	-808400	3.2	
19	711.117	1433.5	23.4	-1.9	2.2	5.3	-3.2	-813109	3.2	
19	711.417	1433.4	21.2	-2.3	2.7	2.6	-3.8	-816916	3.3	
19	711.717	1433	22.6	-2.7	2.8	5	-4.4	-820758	3.5	
19	712.017	1432.7	19.4	-4.5	3	1.6	-5	-823989	3.9	
19	712.317	1432.5	21.6	-3.8	3.3	3.9	-5.5	-827571	3.9	
19	712.617	1432.6	20.4	-4	3.6	3.5	-5.6	-831185	3.8	
19	712.917	1432.9	19.5	-4.9	4.2	2	-5.7	-834498	3.3	
19	713.217	1433.2	20.7	-4	4.2	4.4	-5.4	-837167	2.9	
19	713.517	1433.6	18.2	-7	4.8	-0.4	-5.3	-839853	2.3	
19	713.817	1434.1	18.7	-6.1	5.4	0.3	-5.2	-842896	1.8	
19	714.117	1434.6	18.1	-5.5	6.1	-1.9	-5.2	-846303	1.1	
19	714.417	1435.1	19.4	-5.9	6.5	0.3	-5.1	-850083	0.5	
19	714.717	1435.4	18.8	-5.3	6.6	-2.1	-4.9	-854594	0.1	
19	715.017	1435.4	18.4	-7.4	6.4	-2.6	-4.9	-859505	-0.1	
19	715.317	1435.2	18	-5.9	6	-3	-4.9	-865188	-0.3	
19	715.617	1434.9	17.6	-6.7	5.8	-4.2	-5	-871308	-0.5	
19	715.917	1434.7	18.4	-6.2	5.4	-2.1	-5.1	-877516	-0.5	
19	716.217	1434.5	19.1	-6.7	4.9	-1.6	-5.1	-883814	-0.2	
19	716.517	1434.5	19.6	-4.8	4.3	-0.9	-4.9	-889823	0.2	
19	716.817	1434.8	19.8	-4.7	4.1	-1	-4.5	-894384	0.6	
19	717.117	1434.9	20.3	-4.9	3.8	0.1	-4.2	-896299	1.1	
19	717.417	1435.2	21.3	-3.8	3.8	1.9	-3.9	-895915	1.7	
19	717.717	1435.2	21.9	-3.5	3.8	2.4	-3.7	-892859	2.4	
19	718.017	1435.1	21.9	-2.9	3.7	4	-3.5	-887184	3.3	
19	718.317	1435.2	21.8	-2.9	3.8	4.2	-3.3	-878990	4.3	
19	718.617	1435.4	22.2	-2.4	4	5.3	-3	-869499	4.7	
19	718.917	1435.5	23.2	-2.4	3.9	6.2	-2.7	-858800	5.1	
19	719.217	1435.3	23.4	-1.6	3.6	6.8	-2.6	-848017	5.3	
19	719.517	1435.2	23.8	-0.7	3.6	7.4	-2.6	-838508	5.6	
19	719.817	1435.2	23.9	-1	3.5	7.5	-2.5	-831845	5.5	
19	720.117	1434.9	25.8	1.2	3.2	9.1	-2.5	-828226	5.3	
19	720.417	1434.9	24.7	-0.3	3.2	7.6	-2.4	-828882	4.9	
19	720.717	1434.6	25.3	2.1	3.1	8.4	-2.4	-834165	4.6	
19	721.017	1434.3	24.1	-1.1	2.9	6.6	-2.5	-843916	4.3	
19	721.317	1434.1	24.6	0.2	3	6.6	-2.7	-859152	3.9	
19	721.617	1433.8	23.9	-1.2	3.1	5.4	-2.9	-879729	3.5	
19	721.917	1433.5	23.7	-0.4	3	5.1	-3.1	-905211	3.2	
19	722.217	1433.2	22.4	-1.6	2.8	3.5	-3.3	-933878	3.1	
19	722.517	1433.2	22	-2.5	2.9	2.5	-3.4	-964863	3.1	
19	722.817	1433	22.2	-0.7	2.8	2.9	-3.5	-996077	3.1	
19	723.117	1432.6	21.2	-2.4	2.6	1.5	-3.7	-1025847	3.1	
19	723.417	1432.4	21.3	0.5	2.6	2.3	-3.8	-1051609	3.2	
19	723.717	1432.2	20.5	-2.9	2.4	1.4	-3.8	-1074270	3.4	
19	724.017	1432	20.7	-0.5	2.2	2.2	-3.7	-1092203	3.6	
19	724.317	1432	19.9	-2.7	2.2	1	-3.6	-1106635	3.4	
19	724.617	1432.3	20	0.6	2.4	1.9	-3.3	-1117264	3.3	
19	724.917	1432.4	19.5	-2.1	2.3	1.1	-3.2	-1123861	3.2	
19	725.217	1432.6	20	-0.4	2.5	0.5	-3	-1128708	2.5	
19	725.517	1432.8	20.4	0.9	2.8	1.3	-2.8	-1132983	1.9	
19	725.817	1432.9	20.3	-0.4	3	0.7	-2.7	-1138528	1.4	
19	726.117	1433	20.3	2.1	3.3	0.6	-2.6	-1144753	0.9	
19	726.417	1433.2	20.4	1.7	3.7	0.5	-2.6	-1152313	0.6	
19	726.717	1433.3	20.9	2.8	4	0.6	-2.7	-1161260	0.1	
19	727.017	1433.3	20.4	1	4.2	-0.4	-3.1	-1169694	-0.2	
19	727.317	1433.4	21.3	2.5	4.4	0.6	-3.4	-1177589	-0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	727.617	1433.2	21.8	3.4	4.3	1	-3.8	-1184919	-0.4	
19	727.917	1433	20.8	2.8	4.5	0.1	-4.2	-1192342	-0.3	
19	728.217	1432.7	20.7	3.1	4.3	1.4	-4.6	-1199171	0.4	
19	728.517	1432.5	20.7	2.3	4.1	2.3	-4.8	-1206078	1.2	
19	728.817	1432.1	20.4	1.3	3.7	3.2	-5	-1210961	2.1	
19	729.117	1432.1	20.8	1.2	3.4	4.2	-4.9	-1214473	2.9	
19	729.417	1432.2	21.1	1.3	3	5.7	-4.5	-1217298	3.5	
19	729.717	1432.5	21	0.7	2.6	6.2	-3.7	-1220135	4.1	
19	730.017	1432.7	20.7	-0.6	2.3	6.4	-2.9	-1223701	4.6	
19	730.317	1432.7	20.3	-1.6	1.4	7.2	-1.9	-1228007	5	
19	730.617	1433.1	19.2	-2.7	1	6.6	-0.7	-1233070	5.1	
19	730.917	1433.5	18.8	-3	0.6	6.4	0.3	-1239640	4.9	
19	731.217	1433.7	18.3	-3.9	0.2	5.6	1.2	-1248510	4.6	
19	731.517	1433.9	18.1	-5.1	-0.1	4.8	1.9	-1260537	4	
19	731.817	1434	17.4	-6	-0.5	3.7	2.3	-1276678	3.6	
19	732.117	1433.8	16.6	-7.2	-0.5	2.5	2.1	-1296441	3.3	
19	732.417	1433.5	16	-7.9	-0.4	2	1.7	-1319314	3.2	
19	732.717	1433.3	15.5	-10.3	-0.2	1.9	1.2	-1344735	3.1	
19	733.017	1433	14.6	-10.1	0	1.4	0.4	-1372952	3.2	
19	733.317	1432.6	13.9	-11.4	0	1.5	-0.4	-1404260	3.2	
19	733.617	1432.5	14.2	-9.9	0.4	2.3	-1.1	-1439005	3.2	
19	733.917	1432.2	13.8	-10.8	0.8	2.2	-2	-1475512	3.3	
19	734.217	1432.1	13.5	-10.4	1.2	2.7	-2.7	-1512826	3.3	
19	734.517	1432	13.9	-9.8	1.7	3.7	-3.3	-1549779	3.1	
19	734.817	1431.8	13.7	-8.7	2.1	3.7	-3.8	-1582578	2.7	
19	735.117	1432	13.1	-8.9	2.6	3.2	-4.1	-1615549	2.2	
19	735.417	1432.1	13.5	-8.7	3	4	-4.2	-1643447	1.8	
19	735.717	1432.5	12.3	-8.9	3.4	3.1	-4.1	-1665673	1.5	
19	736.017	1432.7	11.8	-9.5	3.6	2.3	-4.1	-1683080	1.1	
19	736.317	1432.9	11.7	-8.8	3.8	2.5	-3.9	-1692604	0.9	
19	736.617	1433.2	10.9	-9.8	3.6	1.8	-3.5	-1695345	0.8	
19	736.917	1433.4	9.9	-10	3.6	0.8	-3.2	-1688509	0.8	
19	737.217	1433.5	9.3	-10.7	3.6	0.3	-3	-1677685	0.9	
19	737.517	1433.6	8.6	-10.9	3.5	0.7	-2.8	-1666999	1.3	
19	737.817	1433.6	8	-12	3.3	0.3	-2.6	-1664349	1.7	
19	738.117	1433.7	7.4	-13	3.1	0.7	-2.5	-1672325	2	
19	738.417	1433.8	6.9	-13.4	3	1.2	-2.3	-1693973	2.8	
19	738.717	1433.8	6.3	-14	2.9	1.1	-2.3	-1731804	3.2	
19	739.017	1434	6.4	-14	2.9	1.9	-2.2	-1789531	3.5	
19	739.317	1434	5.9	-15	2.7	1.7	-2.2	-1871091	3.6	
19	739.617	1433.9	6	-14.4	2.5	2.3	-2.2	-1977102	3.9	
19	739.917	1433.9	5.2	-16.1	2.3	2.1	-2	-2102159	3.9	
19	740.217	1433.7	5.2	-16.6	1.9	3	-1.9	-2229766	3.7	
19	740.517	1433.7	5.1	-15.7	1.7	3.1	-1.7	-2339386	3.3	
19	740.817	1433.6	5.1	-15.6	1.2	3.6	-1.5	-2414937	2.8	
19	741.117	1433.5	5	-15.7	0.9	3.1	-1.3	-2451699	2.4	
19	741.417	1433.4	5.1	-15.3	0.5	3	-1.1	-2445970	1.7	
19	741.717	1433.6	5.6	-15.2	0.4	3.1	-0.8	-2403847	1	
19	742.017	1433.6	5.8	-15.3	0.3	2.7	-0.6	-2336775	0.3	
19	742.317	1433.6	5.3	-15.7	0.2	2.6	-0.5	-2265964	0.3	
19	742.617	1433.7	3.8	-16.9	0.3	1.2	-0.4	-2201631	0.3	
19	742.917	1433.7	3.2	-17.1	0.3	1.5	-0.3	-2149641	0.9	
19	743.217	1433.9	1.7	-17.5	0.7	0.3	-0.3	-2119181	1.1	
19	743.517	1434	2.3	-16.5	0.7	1.7	-0.2	-2110636	1.5	
19	743.817	1434	1.2	-17.1	0.7	1.5	-0.2	-2123479	2.1	
19	744.117	1434	1.1	-17	0.6	1.6	-0.2	-2158506	2.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	744.417	1434	0.8	-16.6	0.7	1.7	-0.3	-2213267	2.7	
19	744.717	1433.8	0.8	-15.8	0.9	2.2	-0.5	-2288252	2.7	
19	745.017	1433.9	0.6	-15.4	1	2.5	-0.5	-2387401	2.7	
19	745.317	1433.6	0.1	-15.4	1	2.6	-0.8	-2510492	2.4	
19	745.617	1433.4	-0.1	-14.7	0.9	2.9	-1.1	-2650317	2.2	
19	745.917	1433.5	-0.8	-14.7	1.1	1.8	-1.4	-2799132	1.9	
19	746.217	1433.5	-1.5	-15.7	1.3	1.6	-1.9	-2961457	1.7	
19	746.517	1433.6	-1.9	-15.7	1.8	1.3	-2.4	-3125000	1.6	
19	746.817	1433.5	-2.3	-15.8	2	1.1	-3.2	-3271485	1.7	
19	747.117	1433.2	-2.7	-16.6	2.1	0.8	-3.9	-3393436	2	
19	747.417	1433.1	-2.2	-15.9	2.2	2	-4.2	-3483777	2.7	
19	747.717	1433.2	-3.5	-16.6	2.3	2.7	-4	-3548729	3.7	
19	748.017	1433.4	-3.4	-16.9	2.4	3	-3.6	-3585189	4	
19	748.317	1433.7	-3.8	-16.1	2.5	3	-3	-3603701	4.3	
19	748.617	1434.1	-4	-15.8	2.3	3.9	-2.1	-3603701	4.5	
19	748.917	1434.5	-4.3	-16	1.8	4.2	-1.1	-3603701	4.8	
19	749.217	1435.5	-4.3	-15.2	1.7	3.8	0.2	-3597509	4.3	
19	749.517	1436.2	-3.8	-13.7	1.4	3.8	1.5	-3591338	3.5	
19	749.817	1436.4	-3.6	-12.9	0.7	3.2	2.6	-3591338	2.9	
19	750.117	1436.2	-5.2	-13.8	0.2	1.8	2.8	-3591338	2.3	
19	750.417	1435.7	-4.7	-12.7	0	1.2	2.5	-3591338	1.2	
19	750.717	1435	-4.1	-11.5	-0.7	1.9	2.1	-3591338	0.5	
19	751.017	1434.4	-5.4	-12.3	-0.9	0	1.6	-3579060	-0.1	
19	751.317	1434	-5.5	-11.8	-1.2	0.2	1	-3566866	-0.6	
19	751.617	1433.6	-5.3	-11.7	-1.6	0.1	0.4	-3548729	-0.9	
19	751.917	1433.4	-5.5	-11.4	-1.7	-0.4	-0.2	-3530776	-1.1	
19	752.217	1433.1	-5.7	-11.7	-1.8	-0.6	-0.7	-3507119	-0.7	
19	752.517	1433.2	-5.9	-11.1	-1.4	0.6	-1	-3489584	-0.5	
19	752.817	1433.1	-6.1	-11.3	-1.4	0.9	-1.1	-3472223	0.2	
19	753.117	1433.4	-7.2	-12.3	-1	-0.1	-1	-3460744	0.6	
19	753.417	1433.4	-7	-12.1	-1	1.5	-0.8	-3466474	1.3	
19	753.717	1433.9	-8.3	-13.3	-0.7	0.4	-0.5	-3466474	1.9	
19	754.017	1434.2	-8.4	-13.5	-0.4	1.2	-0.4	-3472223	2.5	
19	754.317	1434.5	-8.7	-14.3	0	1	-0.3	-3483777	3	
19	754.617	1434.7	-8.1	-13.9	0.4	2.4	-0.2	-3501255	3.6	
19	754.917	1435	-8.8	-14.1	0.7	1.7	0	-3524832	4	
19	755.217	1435.6	-8.9	-12.7	1.3	2	0.2	-3548729	4.2	
19	755.517	1435.8	-9	-12.2	1.4	2.7	0.2	-3591338	4.3	
19	755.817	1436.1	-9	-10.7	1.9	2.5	0.1	-3654014	4.3	
19	756.117	1436.2	-8.1	-10.4	1.8	3.9	0	-3752241	4.2	
19	756.417	1436.4	-8.8	-10	2	3	-0.2	-3898976	4.1	
19	756.717	1436.2	-7.9	-9	2	4.1	-0.5	-4113458	4	
19	757.017	1435.9	-8.2	-9	2.1	3.4	-0.9	-4445329	3.8	
19	757.317	1435.4	-7.1	-7.9	2	5	-1.4	-4926471	3.7	
19	757.617	1435.1	-7.3	-7.9	1.7	4.6	-1.7	-5598262	3.9	
19	757.917	1435	-7.7	-7.8	1.9	4.8	-2	-6442308	4.3	
19	758.217	1434.8	-7.4	-7.3	1.8	5.4	-2.2	-7451068	4.8	
19	758.517	1435	-7.2	-6.4	2.2	5.4	-2.3	-8580943	5.1	
19	758.817	1435	-7.1	-5.6	1.9	6.3	-2.3	-9560502	5.6	
19	759.117	1435	-7.4	-5.5	2.1	5.6	-2.3	-1E+07	6	
19	759.417	1434.7	-7.5	-5.2	1.8	5.9	-2.3	-1E+07	6.2	
19	759.717	1434.6	-8	-5.3	1.9	4.8	-2.2	-9389014	6.2	
19	760.017	1434.7	-7.2	-5	1.9	5.4	-2	-8341634	6	
19	760.317	1434.4	-7.5	-4	1.7	4.5	-1.9	-7424646	5.4	
19	760.617	1434.3	-7.1	-3.7	1.4	4.1	-1.7	-6710737	4.5	
19	760.917	1434	-6.9	-3.1	1.1	2.7	-1.7	-6194527	3.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	761.217	1434.3	-6.8	-2.8	1.3	2.1	-1.5	-5799862	2	
19	761.517	1434.2	-6.2	-1.9	1	1.4	-1.4	-5524407	0.8	
19	761.817	1434.4	-6.2	-1.9	1.1	-0.1	-1.1	-5327608	-0.2	
19	762.117	1434.4	-6.1	-2.3	1.2	-0.6	-1	-5208334	-1.2	
19	762.417	1434.5	-6	-2.4	1.1	-1.4	-0.8	-5119193	-2.1	
19	762.717	1434.3	-5.6	-0.4	1.1	-1.6	-0.7	-5057367	-2.8	
19	763.017	1434.4	-6.1	-1.4	1.2	-3.1	-0.5	-4985119	-3.5	
19	763.317	1434.2	-5	-0.9	1	-2.3	-0.2	-4891940	-3.9	
19	763.617	1434	-6.7	-1.3	0.6	-4	-0.2	-4769363	-4.1	
19	763.917	1434.1	-6.2	-0.7	0.7	-3.8	-0.1	-4621965	-4.2	
19	764.217	1434.1	-5.2	0.1	0.2	-2.8	0	-4464286	-4.3	
19	764.517	1433.8	-5.4	0.1	-0.2	-3.4	0	-4308128	-4	
19	764.817	1433.6	-6.3	-0.6	-0.7	-3.2	-0.1	-4162525	-3.1	
19	765.117	1433.5	-6.1	-0.2	-1.1	-2.7	-0.1	-4026443	-2.1	
19	765.417	1433.2	-6	0.1	-1.6	-1.1	-0.1	-3913552	-1.1	
19	765.717	1432.9	-6.4	0.8	-2	-0.9	-0.1	-3841744	0	
19	766.017	1432.9	-6.8	0.2	-2.3	0.8	0.1	-3799910	1.3	
19	766.317	1432.8	-7.1	1.2	-2.4	1.3	0.2	-3786167	2.4	
19	766.617	1433.3	-7.1	1.3	-2.2	1.6	0.4	-3806819	3	
19	766.917	1433.6	-6	2.7	-2.1	3.2	0.6	-3863008	3.3	
19	767.217	1434.3	-6.4	1.7	-1.5	3.1	0.7	-3957940	3	
19	767.517	1435	-5.3	3.5	-1.2	3.9	0.9	-4097359	2.7	
19	767.817	1435.4	-6	2.9	-0.6	2.9	0.9	-4255590	2.6	
19	768.117	1435.8	-6.1	2.9	0.1	2.7	0.8	-4426533	2.2	
19	768.417	1436.1	-5.8	3.2	0.3	2.6	0.7	-4601649	1.7	
19	768.717	1436	-5.8	2.3	0.6	2.3	0.4	-4780251	1.1	
19	769.017	1436.2	-6.2	2.6	0.8	1.5	0.2	-4938090	0.8	
19	769.317	1436.5	-6.4	1.5	1.3	0.2	0.1	-5069613	0.4	
19	769.617	1436.7	-6.6	1.6	1.6	0.4	-0.1	-5182550	0.2	
19	769.917	1437.1	-7	0.1	1.9	-0.9	-0.2	-5273930	0.1	
19	770.217	1437.1	-6.5	0.8	2	0	-0.3	-5341199	0.1	
19	770.517	1437	-6.7	1	2	0.1	-0.5	-5410207	0.1	
19	770.817	1437.2	-6.6	0.8	2.2	0.2	-0.5	-5466710	0	
19	771.117	1437.2	-6.9	0.3	2.6	-0.3	-0.7	-5524407	0	
19	771.417	1437.1	-6.7	0.4	2.6	-0.1	-0.8	-5553714	-0.1	
19	771.717	1436.6	-6.5	0.9	2.3	-0.1	-1	-5568484	-0.1	
19	772.017	1436.2	-7.2	0.3	2.1	-0.7	-1.1	-5553714	-0.2	
19	772.317	1435.9	-6.7	1.3	1.9	-0.1	-1.4	-5524407	-0.1	
19	772.617	1435.5	-6.8	0.4	1.6	-0.4	-1.5	-5438312	0.1	
19	772.917	1435.1	-7.4	0.1	1.5	-0.5	-1.7	-5314087	0.9	
19	773.217	1434.9	-7.9	-0.8	1.1	-0.5	-1.8	-5157020	1.5	
19	773.517	1434.7	-7.4	-0.5	0.9	0.7	-1.9	-4973278	2	
19	773.817	1434.5	-7.3	-0.5	0.5	0.9	-1.9	-4824309	2.5	
19	774.117	1434.1	-6.6	-0.4	0.4	2	-2	-4673549	3	
19	774.417	1433.7	-6.9	-0.7	0	2.5	-2	-4522139	3.5	
19	774.717	1433.6	-6.4	-0.3	-0.1	3.3	-1.9	-4389413	3.7	
19	775.017	1433.6	-6	0	0	3.9	-1.7	-4290472	3.7	
19	775.317	1433.6	-5.3	0.3	-0.2	4.8	-1.3	-4204318	3.7	
19	775.617	1434	-5.3	0.8	0.1	5	-0.8	-4129685	3.5	
19	775.917	1434.3	-5.3	-0.3	0.3	4.3	-0.5	-4065534	3.2	
19	776.217	1434.6	-4.8	1.9	0.4	4.6	-0.2	-3988096	2.7	
19	776.517	1434.9	-4.7	1.5	0.7	3.5	0.1	-3906250	2.1	
19	776.817	1435.1	-4.6	0.6	1	3.7	0.3	-3813753	1.7	
19	777.117	1435.2	-5.3	0.1	1	2.1	0.4	-3718917	1.5	
19	777.417	1435.2	-5.6	0.7	0.9	1.6	0.4	-3622405	1.2	
19	777.717	1435	-5.4	0.7	0.8	1.3	0.2	-3524832	1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	778.017	1434.6	-5.6	0.4	0.3	0.8	-0.1	-3432378	0.9	
19	778.317	1434.3	-5.5	0.9	0	0.4	-0.4	-3360755	0.8	
19	778.617	1434.3	-6.1	0.7	-0.1	0	-0.6	-3297245	0.9	
19	778.917	1434	-5.6	1.5	-0.5	0.4	-0.9	-3251165	0.9	
19	779.217	1433.9	-6.3	0.8	-0.5	-0.6	-1.2	-3216206	1	
19	779.517	1434	-5.5	0.5	-0.3	0.7	-1.4	-3181991	1.1	
19	779.817	1434.1	-6	0.4	-0.1	0.5	-1.5	-3153238	1.3	
19	780.117	1434.4	-6.1	-0.8	0.4	0.5	-1.5	-3129672	1.4	
19	780.417	1434.8	-5.7	0.3	1.1	1.1	-1.4	-3115700	1.5	
19	780.717	1435.2	-5	1.1	1.6	1.8	-1.3	-3115700	1.4	
19	781.017	1435.5	-5.6	0.2	2.1	1.6	-1.3	-3129672	1.4	
19	781.317	1435.9	-5.6	0.2	2.7	1.3	-1.3	-3162765	1.3	
19	781.617	1436	-4.8	1.4	3.1	2.2	-1.3	-3211273	1.3	
19	781.917	1436.1	-4.9	1.5	3.4	1.5	-1.2	-3286892	1.1	
19	782.217	1436.2	-4.9	1.7	3.6	1.7	-1.2	-3382472	1.1	
19	782.517	1436	-5	2	3.3	1.7	-1.4	-3507119	1.2	
19	782.817	1435.7	-5.1	1.4	2.9	2.1	-1.6	-3654014	1.9	
19	783.117	1435.4	-5.3	1.4	2.5	2	-1.7	-3827697	2.8	
19	783.417	1435.1	-5.6	1	2.1	2.8	-1.7	-4026443	3.6	
19	783.717	1435	-5.7	1.2	1.5	3.3	-1.5	-4255590	4.3	
19	784.017	1434.4	-5.1	1.6	0.8	3.9	-1.5	-4483405	4.8	
19	784.317	1433.9	-5.1	1.4	0.2	4	-1.5	-4715653	5.2	
19	784.617	1433.5	-5	2.2	-0.4	4	-1.4	-4949764	5.5	
19	784.917	1433.7	-4.9	1.8	-0.3	3.8	-1.2	-5169753	5.1	
19	785.217	1433.9	-5	1.8	-0.1	2.7	-1.1	-5368590	4.2	
19	785.517	1433.9	-3.9	3.5	-0.2	2.9	-1	-5509869	3.1	
19	785.817	1434	-4	3.9	-0.1	1	-0.9	-5568484	2.1	
19	786.117	1434.1	-3.9	3.5	0	1.3	-0.9	-5613271	1.3	
19	786.417	1434.2	-3.6	3.7	0.4	-0.7	-0.9	-5658784	0.2	
19	786.717	1434.4	-2.9	3.7	0.8	-0.9	-0.9	-5705041	-0.7	
19	787.017	1434.5	-2.2	4.7	1.1	-1.4	-0.8	-5752061	-1.6	
19	787.317	1434.5	-2.3	4.1	1.1	-2	-0.8	-5799862	-2.1	
19	787.617	1434.6	-1.9	4.1	0.9	-1.6	-0.7	-5848464	-2.1	
19	787.917	1434.8	-2.1	3.2	0.9	-2.7	-0.7	-5914548	-2	
19	788.217	1434.8	-0.3	5	0.8	-1.2	-0.5	-5999284	-1.5	
19	788.517	1435	-2.2	3.1	0.8	-2.8	-0.5	-6086483	-1.2	
19	788.817	1435.1	-0.4	4.4	0.8	-0.6	-0.5	-6158088	-0.9	
19	789.117	1435.1	-0.4	4.3	0.7	-1	-0.5	-6231399	-0.4	
19	789.417	1434.9	0.2	4.8	0.6	-0.3	-0.6	-6306476	0	
19	789.717	1434.8	0.1	5.4	0.7	-0.3	-0.7	-6402905	0.3	
19	790.017	1434.9	0.2	5.8	0.7	0	-0.7	-6522586	0.5	
19	790.317	1435.3	1.1	6.5	0.9	0.9	-0.6	-6625791	0.5	
19	790.617	1435.1	2.8	8.4	0.6	1.4	-0.5	-6710737	0.5	
19	790.917	1435.3	2.8	8.3	0.5	2.3	-0.2	-6797890	0.6	
19	791.217	1435.4	2.2	8.3	0.3	0.7	0	-6910066	0.6	
19	791.517	1435.4	3.2	8.8	0.2	1.8	0.2	-7026007	0.6	
19	791.817	1435.4	3.2	9.5	0.1	1.3	0.5	-7219828	0.6	
19	792.117	1435.1	3.7	9.2	-0.2	1.8	0.7	-7424646	0.7	
19	792.417	1435.1	3.3	9.3	-0.2	1.4	0.8	-7697610	0.7	
19	792.717	1435.1	3.5	9.6	-0.5	1.3	0.9	-8083977	0.8	
19	793.017	1435.1	4	9.7	-0.4	0.9	0.9	-8651860	0.8	
19	793.317	1435	4.4	9.4	-0.6	1.8	0.9	-9389014	0.9	
19	793.617	1435	4.5	10.1	-0.6	2.3	0.9	-1E+07	1	
19	793.917	1434.9	4.4	10	-0.4	2	0.6	-1.1E+07	1.1	
19	794.217	1434.7	4.7	9.5	-0.5	3.1	0.3	-1.2E+07	1.1	
19	794.517	1434.5	5	9.9	-0.3	2.7	0.1	-1.3E+07	0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	794.817	1434.1	5	9.9	-0.5	3.7	-0.1	-1.4E+07	0.9	
19	795.117	1434.1	4.8	9.8	-0.3	3.2	-0.2	-1.4E+07	0.7	
19	795.417	1434	5	10.1	-0.3	3.1	-0.3	-1.4E+07	0.3	
19	795.717	1434	4.1	9.4	-0.1	1.9	-0.4	-1.4E+07	-0.1	
19	796.017	1434	4.1	9.7	-0.3	1.8	-0.2	-1.3E+07	-0.3	
19	796.317	1434.1	3.7	9.4	-0.3	1.3	0.1	-1.2E+07	-0.5	
19	796.617	1434.3	2.1	7.2	-0.1	-0.8	0.4	-1.1E+07	-0.6	
19	796.917	1434.4	2.6	7.7	0.1	-0.4	0.6	-1E+07	-0.6	
19	797.217	1434.3	1.1	6.1	0.1	-1.7	0.7	-9829812	-0.4	
19	797.517	1434.2	1	5.9	0	-0.9	0.7	-9264381	0.5	
19	797.817	1434.1	0.3	5.3	0.1	-1.4	0.6	-8797269	1.2	
19	798.117	1434	-0.3	3.6	0.1	-1.2	0.4	-8442541	1.9	
19	798.417	1433.9	-0.6	3.4	0.3	-1.3	0.1	-8115310	2.7	
19	798.717	1433.7	-0.6	3.3	0.3	-1.2	-0.2	-7841760	3.5	
19	799.017	1433.3	0	3.6	0.3	0.3	-0.5	-7613637	4.1	
19	799.317	1433	-0.3	2.6	0.3	0	-0.8	-7424646	4.9	
19	799.617	1432.9	-0.3	1.9	0.6	1.2	-0.9	-7295296	5.4	
19	799.917	1432.9	0	2.3	0.7	1.3	-0.9	-7170377	5.4	
19	800.217	1432.9	0.7	2.6	0.8	2	-1	-7049664	5.2	
19	800.517	1432.9	1.5	3.6	0.8	2.5	-1	-6887336	5.1	
19	800.817	1433	2.8	3.1	0.6	3.4	-0.9	-6710737	4.9	
19	801.117	1433	4.5	6.7	0.4	5	-0.8	-6462192	4.8	
19	801.417	1432.6	5.5	5.9	0.2	5.6	-0.8	-6194527	4.4	
19	801.717	1432.5	6.6	7	-0.2	6.5	-0.5	-5914548	4.2	
19	802.017	1432.2	6.7	6.5	-0.6	6.5	-0.4	-5613271	4	
19	802.317	1431.9	7.2	7.1	-1	6.6	-0.2	-5341199	3.9	
19	802.617	1432	7.5	7.3	-0.9	6.7	-0.1	-5106708	3.5	
19	802.917	1432.3	8.4	7.3	-0.8	7.1	0.1	-4903396	2.7	
19	803.217	1432.7	9.1	6.3	-0.4	6.2	0.2	-4747733	1.4	
19	803.517	1433.1	9.2	6.4	0.1	4.7	0.2	-4632191	0.2	
19	803.817	1433.2	8.7	6.5	0.4	3.2	0.2	-4571507	-0.4	
19	804.117	1433.4	8.8	5.6	0.9	2.3	0.1	-4581510	-1.4	
19	804.417	1433.4	8.7	5.5	1.2	1.3	-0.2	-4663141	-2.1	
19	804.717	1433.2	8.9	5.2	1.5	0.5	-0.6	-4802179	-2.8	
19	805.017	1433.1	7.8	4.5	1.7	-0.9	-1	-4985119	-3	
19	805.317	1433.1	6.4	2.9	1.8	-2.6	-1.3	-5208334	-3.1	
19	805.617	1432.9	5.7	1.7	1.4	-3.5	-1.5	-5466710	-3.2	
19	805.917	1432.6	4.8	0.4	1.2	-4.5	-1.9	-5767907	-3.2	
19	806.217	1432.5	4.7	0.2	1.1	-3.9	-2	-6033862	-2.6	
19	806.517	1432.4	3.7	-0.7	1	-4.3	-2.1	-6212908	-2	
19	806.817	1432.6	3.8	-0.9	1.2	-3.8	-2.1	-6268713	-1.8	
19	807.117	1432.7	4	-1	1.4	-3.5	-2.1	-6194527	-1.5	
19	807.417	1432.8	3.8	-1.2	1.7	-2.9	-2.1	-5965100	-1.3	
19	807.717	1433	3.4	-1.4	1.7	-2.2	-1.9	-5643531	-0.9	
19	808.017	1433.3	2.8	-2.2	2	-2	-1.7	-5260679	-0.8	
19	808.317	1433.5	3	-1.1	2.1	-1.4	-1.5	-4857889	-0.8	
19	808.617	1433.6	3.3	-0.8	2.3	-1.2	-1.4	-4483405	-0.8	
19	808.917	1433.6	3.2	-0.5	2.3	-0.9	-1.3	-4129685	-0.7	
19	809.217	1433.6	2.8	0.7	2.2	-1.2	-1.2	-3820712	-0.6	
19	809.517	1433.6	3	0.4	2.1	-0.9	-1.1	-3566866	-0.6	
19	809.817	1433.3	2.9	1.8	1.8	-0.8	-1.2	-3366158	-0.4	
19	810.117	1433.2	3	2	1.5	-0.4	-1.2	-3211273	-0.2	
19	810.417	1433.1	2.3	2	1.3	-0.2	-1.3	-3101852	0.5	
19	810.717	1433.1	2.3	2.6	1.2	0	-1.3	-3043242	0.9	
19	811.017	1433	2.6	3.2	1.1	0.4	-1.4	-3016931	1.1	
19	811.317	1432.9	3	3.6	0.8	1	-1.4	-3016931	1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	811.617	1432.7	3	3	0.5	1.6	-1.4	-3047672	1.8	
19	811.917	1432.6	2.6	2.9	0.4	1.5	-1.4	-3083579	2.3	
19	812.217	1432.6	2.8	3.1	0.2	1.9	-1.2	-3125000	2.5	
19	812.517	1432.8	3	3	0.3	2	-1	-3162765	2.6	
19	812.817	1432.8	3.2	2.5	0.1	2.6	-0.8	-3191693	2.7	
19	813.117	1432.9	3.4	1.9	-0.1	2.8	-0.5	-3206356	2.7	
19	813.417	1433	3.3	0.5	-0.3	2.8	-0.2	-3196565	2.8	
19	813.717	1433.3	3.4	-1.1	-0.4	2.8	0.3	-3177163	2.7	
19	814.017	1433.6	3.6	-1.9	-0.4	3	0.7	-3143769	2.7	
19	814.317	1433.6	3.7	-2.9	-0.7	3.1	1.1	-3115700	2.6	
19	814.617	1433.8	3.9	-2.8	-0.9	2.9	1.4	-3111070	2.4	
19	814.917	1433.8	4.2	-3	-1	3.4	1.5	-3129672	2	
19	815.217	1433.9	4.3	-3.2	-1	3.2	1.6	-3167550	1.8	
19	815.517	1433.9	4.3	-4.1	-0.9	2.8	1.6	-3216206	1.7	
19	815.817	1434	4	-5.1	-0.8	2.8	1.6	-3276605	1.6	
19	816.117	1433.9	3.5	-5.7	-0.7	1.9	1.4	-3366158	1.5	
19	816.417	1433.9	3.6	-5.1	-0.3	2.4	1.1	-3466474	1.3	
19	816.717	1433.9	3.7	-5.1	0.5	1.7	0.7	-3579060	0.9	
19	817.017	1434	3.9	-4.8	1.2	1.6	0.2	-3692681	0.7	
19	817.317	1433.8	2.6	-6.3	2.1	0.2	-0.6	-3806819	0.7	
19	817.617	1433.8	2.6	-5.2	2.8	0.4	-1.3	-3920881	0.7	
19	817.917	1433.6	2.9	-3.5	3.2	0.4	-2.1	-4034201	0.6	
19	818.217	1433.4	2.2	-3.5	3.4	-0.4	-2.9	-4137846	0.6	
19	818.517	1433.1	2.8	-2	3.7	0.5	-3.5	-4229798	0.7	
19	818.817	1432.5	1.4	-3.3	3.7	-0.9	-4.2	-4308128	0.8	
19	819.117	1431.9	2.1	-1.6	3.4	0	-4.6	-4380230	1.1	
19	819.417	1431.3	2	-1.8	2.8	0	-4.7	-4454788	1.3	
19	819.717	1430.9	1.9	-2.1	2.1	1.2	-4.4	-4522139	1.9	
19	820.017	1430.8	1.4	-2.4	1.5	1.3	-3.9	-4601649	2.4	
19	820.317	1431.1	1.8	-1.6	1.3	2.1	-3.3	-4694507	2.8	
19	820.617	1431.8	2.3	-0.5	1	3.5	-2.3	-4802179	3.2	
19	820.917	1431.9	2.5	-0.5	0.4	3.9	-1.5	-4926471	3.4	
19	821.217	1432.1	2.6	-0.7	0.3	4.4	-0.8	-5069613	3.6	
19	821.517	1432.3	2.6	-0.6	0.1	4.4	-0.1	-5221322	3.7	
19	821.817	1432.4	2.6	-0.2	0	4.4	0.3	-5382391	3.7	
19	822.117	1432.6	2.5	-0.5	0	4.4	0.5	-5553714	3.6	
19	822.417	1432.6	2.4	-0.5	0	4.3	0.6	-5689538	3.5	
19	822.717	1432.6	2.1	-0.9	0	3.7	0.5	-5799862	3.4	
19	823.017	1432.8	1.7	-0.6	-0.1	3	0.4	-5848464	3.2	
19	823.317	1432.9	1.2	-1.1	0.3	1.7	0	-5832173	2.8	
19	823.617	1432.8	2.1	-0.5	0.4	2.3	-0.2	-5752061	2.7	
19	823.917	1432.8	1.7	-1.3	0.7	2	-0.5	-5583334	2.7	
19	824.217	1432.9	1.9	-1.1	0.8	2.4	-0.5	-5368590	2.7	
19	824.517	1433.2	1.6	-1	0.8	2	-0.3	-5119193	2.7	
19	824.817	1433.1	1.8	-1	0.7	2.4	-0.2	-4857889	2.6	
19	825.117	1433.1	1.7	-1.3	0.7	1.9	-0.2	-4601649	2.4	
19	825.417	1433.2	1.5	-1.7	0.7	1.5	-0.3	-4352911	2	
19	825.717	1433.2	2.1	-1.3	0.6	1.8	-0.3	-4121555	1.7	
19	826.017	1433.1	2.4	-0.9	0.3	1.3	-0.2	-3913552	1.1	
19	826.317	1433	2.2	-1.2	0.1	0.9	-0.2	-3738840	0.9	
19	826.617	1432.8	1.8	-1.8	-0.1	0.3	-0.2	-3597509	0.7	
19	826.917	1432.7	2.1	-1.6	-0.4	0.6	-0.3	-3477990	0.6	
19	827.217	1432.6	1.6	-2.3	-0.5	-0.2	-0.4	-3387945	0.6	
19	827.517	1432.6	2.3	-1.9	-0.4	0.6	-0.5	-3344649	0.5	
19	827.817	1432.8	2.3	-2	-0.4	0.8	-0.4	-3344649	0.5	
19	828.117	1432.9	2.7	-1.6	-0.5	1.1	-0.4	-3398945	0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	828.417	1433.2	2.3	-1.7	-0.3	0.2	-0.4	-3513004	0.5	
19	828.717	1433.3	2.6	-0.9	0	0.8	-0.5	-3679702	0.9	
19	829.017	1433.3	2.4	-1.2	0.1	0.9	-0.5	-3920881	1.2	
19	829.317	1433.7	2.5	-1.2	0.4	0.9	-0.4	-4272960	1.3	
19	829.617	1433.8	2.9	-1	0.7	1.5	-0.4	-4758523	1.4	
19	829.917	1433.9	2.6	0	0.8	0.9	-0.4	-5382391	1.6	
19	830.217	1434.1	2.4	-0.2	0.9	1	-0.3	-6140030	2	
19	830.517	1434.4	2.1	-0.8	1.4	0.6	-0.3	-7049664	2.2	
19	830.817	1434.6	2.8	0.6	1.5	1.2	-0.2	-8022031	2.2	
19	831.117	1434.7	3.2	0.4	1.7	1.2	-0.2	-9024785	2.1	
19	831.417	1434.7	3.6	2.2	1.7	1.7	-0.2	-9922986	2	
19	831.717	1434.6	3.6	1.5	1.6	1.2	-0.2	-1.1E+07	2	
19	832.017	1434.5	4	2	1.5	1.1	-0.2	-1.1E+07	1.6	
19	832.317	1434.3	4.3	2.4	1.4	0.8	-0.3	-1.1E+07	1	
19	832.617	1434.1	4.6	3.2	1.1	1	-0.3	-1.1E+07	0.6	
19	832.917	1433.7	4.6	2.8	0.7	0.6	-0.5	-1.1E+07	0.1	
19	833.217	1433.4	5.2	2.9	0.4	0.2	-0.6	-1.1E+07	-0.9	
19	833.517	1433.1	5.6	3.1	0.1	0	-0.7	-1.1E+07	-1.5	
19	833.817	1433	5.4	2.8	-0.1	-0.9	-0.8	-1.1E+07	-2.1	
19	834.117	1432.8	6.2	3.6	-0.4	-0.5	-0.8	-1.1E+07	-2.6	
19	834.417	1432.7	6.1	3.5	-0.3	-0.5	-0.8	-1.1E+07	-3	
19	834.717	1432.5	6.3	3.8	-0.4	-0.6	-0.8	-1.2E+07	-3.3	
19	835.017	1432.6	5.9	3.5	-0.2	-0.8	-0.9	-1.2E+07	-3.4	
19	835.317	1432.6	6.1	4	0	-0.4	-1	-1.2E+07	-3.3	
19	835.617	1432.7	5.3	3.6	0.4	-1.3	-1.1	-1.3E+07	-2.8	
19	835.917	1432.8	5	3.8	0.6	-1.7	-1.1	-1.3E+07	-2.5	
19	836.217	1433.1	4.7	2.6	1	-1.7	-1.1	-1.4E+07	-1.9	
19	836.517	1433.3	4.6	2.9	1.6	-1.4	-1.1	-1.6E+07	-0.8	
19	836.817	1433.2	3.3	1.4	1.8	-1.2	-1.3	-1.8E+07	0.5	
19	837.117	1433.2	2.9	1.3	1.9	-0.4	-1.4		1.9	
19	837.417	1433.3	2	0.2	2	0.1	-1.4		3.6	
19	837.717	1433.4	1.7	0	2.1	0.7	-1.3		4.9	
19	838.017	1433.4	2.4	0.9	1.9	3	-1.1		6.1	
19	838.317	1433.5	2.8	0.7	1.7	3.8	-0.9		6.6	
19	838.617	1433.4	3.6	1.2	1.2	4.6	-0.8		6.7	
19	838.917	1432.9	4.2	2	0.5	6.1	-0.7		6.8	
19	839.217	1432.8	3.8	2	-0.1	6.7	-0.2		6.9	
19	839.517	1432.9	4.1	2	-0.6	7.1	0.3		6.1	
19	839.817	1432.8	5.1	3.5	-1.2	7.1	0.7	19208716	4.6	
19	840.117	1432.7	5.6	3.3	-1.6	6.6	0.9	15742481	3.1	
19	840.417	1432.5	5.7	3.4	-2	5.3	1.1	13421474	1.9	
19	840.717	1432.7	6.2	3.5	-2	4.6	1.3	11696928	0.4	
19	841.017	1432.8	6.6	4.3	-2.1	3.4	1.4	10365099	-0.7	
19	841.317	1433	5.2	2.6	-1.6	1	1.3	9264381	-1.6	
19	841.617	1433.1	4.7	2.3	-1.2	-0.1	1.1	8375000	-2.3	
19	841.917	1433.2	3.3	0.8	-1	-1.3	0.9	7613637	-2.6	
19	842.217	1433.3	3.1	0.2	-0.7	-2.2	0.7	6979167	-2.6	
19	842.517	1433.5	2.5	-0.1	-0.4	-2.5	0.6	6402905	-2.2	
19	842.817	1433.3	2.1	-0.3	-0.1	-2.3	0.4	5897888	-1.6	
19	843.117	1433.4	1.1	-1	0	-2.2	0.2	5424223	-1	
19	843.417	1433.6	1.4	-1.4	0.3	-1.8	0.1	5008972	-0.7	
19	843.717	1433.7	0.9	-2.3	0.4	-0.9	-0.1	4642462	-0.2	
19	844.017	1433.6	1.1	-2.5	0.5	0.2	-0.2	4317011	0.5	
19	844.317	1433.7	-0.1	-3.7	0.3	0.9	-0.1	4026443	1	
19	844.617	1433.8	0.3	-3.7	0.2	1.7	0	3758977	1.3	
19	844.917	1433.9	0	-4.3	0.1	1.9	0.1	3513004	1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	845.217	1433.6	0	-4.6	-0.2	2.3	0.3	3286892	1.5	
19	845.517	1433.7	-1.7	-6.3	-0.4	2.1	0.5	3079045	1.7	
19	845.817	1433.7	-1.6	-6.8	-0.7	2	0.7	2887932	1.7	
19	846.117	1433.8	-2	-7.6	-1.1	2	0.9	2708603	1.7	
19	846.417	1433.6	-2	-7.4	-1.5	1.9	1.1	2544047	1.7	
19	846.717	1433.8	-3.4	-9.6	-1.6	1.7	1.4	2392858	1.8	
19	847.017	1433.8	-3.4	-9.5	-1.8	1.7	1.5	2256197	1.8	
19	847.317	1433.9	-3.5	-9.8	-1.9	1.7	1.6	2134302	1.8	
19	847.617	1433.7	-3.7	-9.6	-2	1.6	1.7	2024904	2.1	
19	847.917	1433.7	-5.3	-11.4	-2	1.7	1.7	1926174	2.4	
19	848.217	1433.9	-5.3	-10.6	-1.9	1.3	1.9	1838236	2.4	
19	848.517	1434.3	-5.5	-10.5	-1.8	1.6	2	1759455	2.4	
19	848.817	1434.4	-5.6	-10.3	-1.6	1.4	2	1688509	2.4	
19	849.117	1434.3	-6.6	-11.2	-1.6	1.6	1.9	1624322	2.5	
19	849.417	1434.5	-6.9	-10.2	-1.6	0.8	2	1570706	2.5	
19	849.717	1434.6	-6.8	-9.7	-1.4	1.3	2	1526058	2.2	
19	850.017	1434.4	-6.4	-8.4	-1.5	1.6	2	1489155	2	
19	850.317	1434.3	-7.6	-9.3	-1.7	0.7	2	1458044	1.7	
19	850.617	1434.2	-6.8	-9.2	-1.9	1.1	2	1432115	1.3	
19	850.917	1434.5	-7.5	-10.3	-1.9	0.5	2.1	1411835	1.1	
19	851.217	1434.4	-7.3	-10.9	-2.2	0.4	2.2	1393976	0.9	
19	851.517	1434.3	-8	-12.2	-2.2	-0.2	2.2	1377468	0.6	
19	851.817	1434.3	-7	-10.8	-2.5	0.4	2.3	1361347	0.4	
19	852.117	1434.1	-8.4	-12.5	-2.8	-1	2.3	1343872	0.3	
19	852.417	1434.2	-8.2	-13.3	-2.6	-0.7	2.4	1324321	0.1	
19	852.717	1434.3	-7.8	-13.4	-2.5	-0.4	2.5	1302895	-0.3	
19	853.017	1434.2	-7.9	-13.6	-2.6	-0.5	2.6	1279800	-0.4	
19	853.317	1434.3	-8.3	-14.5	-2.6	-0.7	2.6	1254495	-0.5	
19	853.617	1434.4	-8	-14.6	-2.6	-0.1	2.6	1227287	-0.6	
19	853.917	1434.4	-7.8	-13	-2.3	0	2.6	1197799	-0.8	
19	854.217	1434.5	-7.2	-11.9	-2.7	0.6	2.7	1167737	-0.9	
19	854.517	1434.6	-7.4	-10.7	-2.8	0.7	2.9	1139147	-1	
19	854.817	1434.5	-8.5	-11.6	-3.2	0.2	3.1	1111924	-0.7	
19	855.117	1434.4	-7.8	-10.3	-3.5	0.7	3.2	1085971	-0.3	
19	855.417	1434.2	-8.9	-11	-3.9	0.8	3.3	1062280	0.3	
19	855.717	1434.2	-8.7	-9.8	-4.2	1.3	3.4	1041150	1	
19	856.017	1434.3	-9.7	-11.1	-4.5	1.5	3.7	1023340	1.8	
19	856.317	1434	-9.3	-10.2	-5.1	2.1	3.9	1008552	2.6	
19	856.617	1434.6	-10.5	-11.6	-4.7	1.3	4.1	996077	3.1	
19	856.917	1434.8	-9.8	-9.7	-4.4	2.3	4	986224	3.4	
19	857.217	1435	-10.6	-10.9	-4	2.5	3.9	977932	3.5	
19	857.517	1435.1	-9.8	-9.8	-3.7	2.6	3.9	970229	3.4	
19	857.817	1435.4	-10.8	-10.8	-3.5	2.7	4	962645	3.2	
19	858.117	1435.6	-9.7	-8	-3.4	2.3	4.1	954309	2.8	
19	858.417	1435.9	-10.9	-9.3	-3.3	1.7	4.2	946116	2.5	
19	858.717	1436	-9.7	-7.7	-3	1.4	4.2	937642	2	
19	859.017	1435.9	-10.3	-8.3	-3.4	2	4.2	928906	1.9	
19	859.317	1435.8	-10	-6.6	-3.4	0.6	4.2	919927	1.9	
19	859.617	1435.7	-10.8	-7.4	-3.6	0.7	4.2	911914	1.9	
19	859.917	1435.5	-10.3	-6.8	-3.6	0.3	4.1	905211	2.2	
19	860.217	1435.6	-11.7	-8	-3.5	0.1	3.9	900152	2.3	
19	860.517	1435.7	-9.8	-4.5	-3.4	0.3	3.7	896683	2.2	
19	860.817	1435.6	-10.5	-5.2	-3.4	0.5	3.4	895532	2.1	
19	861.117	1435.6	-8.8	-3.3	-3.3	1	3.3	896683	2	
19	861.417	1435.5	-10.2	-4.6	-3.2	-0.2	3.1	899765	1.8	
19	861.717	1435.2	-7.7	-1.1	-3.2	1.8	2.9	904820	1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	862.017	1435.1	-8.6	-1.7	-3.1	0.7	2.9	911120	0.8	
19	862.317	1434.9	-7	-0.2	-3.2	2.1	3	918313	0.5	
19	862.617	1435	-8.2	-1.8	-3.2	0.9	3.2	926850	-0.2	
19	862.917	1435.1	-6.2	1.4	-3.3	2.1	3.3	935965	-0.9	
19	863.217	1435.3	-6.9	-0.1	-3.2	0.8	3.5	945261	-1.2	
19	863.517	1435.3	-5.9	1.6	-3.5	1.4	3.8	953006	-1.6	
19	863.817	1435.3	-6.2	1.1	-3.7	1.6	4.1	958678	-1.8	
19	864.117	1435.2	-6.4	1.6	-3.9	0	4.3	962203	-2.2	
19	864.417	1435	-6.1	0.9	-4.2	1.3	4.4	963531	-2.3	
19	864.717	1434.6	-6.8	1.6	-4.5	-0.4	4.5	963088	-2.4	
19	865.017	1434.3	-6.9	1.3	-5	1.3	4.6	960878	-2.1	
19	865.317	1434.4	-8.7	-0.9	-5	-1.5	4.6	957363	-2	
19	865.617	1434.5	-7.3	0.6	-5	0.8	4.5	953006	-1.8	
19	865.917	1434.3	-9	-0.7	-4.9	-0.7	4.2	947829	-1.4	
19	866.217	1434.4	-9.1	-1.1	-4.6	-0.2	3.9	943983	-1.1	
19	866.517	1434.4	-9.5	-1.7	-4.5	0.5	3.7	941436	-0.4	
19	866.817	1434.5	-10.8	-3.6	-4.2	-0.8	3.5	940590	0	
19	867.117	1434.4	-10.6	-3.2	-4	1.1	3.3	939746	0.7	
19	867.417	1434.4	-12.4	-3.9	-3.8	-0.3	3.3	939324	1.3	
19	867.717	1434.5	-12.1	-4.3	-3.8	1.6	3.4	940590	1.7	
19	868.017	1434.6	-13	-4.1	-3.9	0.3	3.6	943557	2.1	
19	868.317	1434.8	-13.5	-4.8	-3.7	1.9	3.8	948258	2.3	
19	868.617	1434.9	-13.7	-4	-3.8	1	4	955180	2.5	
19	868.917	1435.3	-14.4	-5.1	-3.6	1.1	4.1	963531	2.6	
19	869.217	1435.5	-14	-3.5	-3.5	2.2	4.1	972934	2.8	
19	869.517	1435.6	-15.3	-5.5	-3.2	0.2	4	983445	2.8	
19	869.817	1435.5	-14.8	-4.2	-3.1	2.2	3.7	994657	2.7	
19	870.117	1435.4	-15.4	-5.6	-2.7	0.5	3.3	1006128	2.6	
19	870.417	1435.3	-15.1	-4.3	-2.5	1.9	2.9	1016879	2.6	
19	870.717	1435.2	-17.2	-7.5	-1.9	-0.5	2.3	1026350	2.4	
19	871.017	1435	-15.4	-4.5	-1.5	1.3	1.8	1033442	2.2	
19	871.317	1435.2	-16.3	-6.6	-0.9	0.4	1.4	1040116	2.1	
19	871.617	1435.3	-15.9	-5.6	-0.3	0.5	0.9	1045309	1.8	
19	871.917	1435.2	-14.9	-4.9	-0.2	1.4	0.7	1050027	1.7	
19	872.217	1435.4	-16.3	-5.5	0.3	0.1	0.5	1054787	1.6	
19	872.517	1435.2	-14.5	-4.2	0.5	1.6	0.3	1060665	1.5	
19	872.817	1435.2	-15.8	-4.1	0.5	1.1	0.3	1068241	1.8	
19	873.117	1434.8	-15	-5.2	0.1	2.5	0.4	1077033	2.2	
19	873.417	1434.5	-15.3	-4.8	-0.6	2.6	0.8	1087664	2.6	
19	873.717	1434.2	-14.7	-5.9	-1.4	3.2	1.3	1101395	2.9	
19	874.017	1433.9	-15.2	-5	-2.4	4	1.8	1118458	3.2	
19	874.317	1433.7	-13.8	-6.1	-3	3.8	2.4	1138528	3.4	
19	874.617	1433.7	-14.7	-6.1	-3.9	5.2	3	1160617	3.5	
19	874.917	1433.4	-13.7	-6.7	-4.6	4	3.6	1184249	3.5	
19	875.217	1433.5	-15.1	-6.9	-4.9	4.3	4	1210261	3.1	
19	875.517	1433.5	-13.5	-7.3	-4.9	3.2	4.3	1238174	2.3	
19	875.817	1433.7	-15.1	-8.2	-4.9	2.3	4.6	1266638	1.5	
19	876.117	1433.5	-13.8	-7.9	-4.9	1.3	4.6	1293238	0.7	
19	876.417	1433.7	-16.1	-9.9	-4.3	-1.6	4.5	1317654	0.1	
19	876.717	1433.5	-13.6	-7.2	-4.1	-0.8	4.3	1340430	-0.4	
19	877.017	1433.7	-16.5	-10.4	-3.8	-3.1	4.2	1359579	-0.6	
19	877.317	1433.6	-14	-7.2	-3.6	-2.2	4	1374755	-0.5	
19	877.617	1433.6	-16.9	-10	-3.3	-4.6	3.6	1388430	-0.4	
19	877.917	1433.4	-13.9	-5.2	-3.4	-2.4	3.3	1402379	-0.1	
19	878.217	1433.5	-16.5	-9.2	-3.2	-5.1	3	1416611	0.2	
19	878.517	1433.4	-14.1	-5.1	-2.9	-3.6	2.6	1430158	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	878.817	1433.2	-13.7	-4.6	-3.1	-2.1	2.3	1443967	0.2	
19	879.117	1433	-12.6	-3.1	-3.1	-2.8	2.1	1456016	0.4	
19	879.417	1432.9	-13.3	-2.5	-3.1	-1.7	1.9	1467240	0.4	
19	879.717	1433.1	-11	-0.4	-2.7	-1.9	1.8	1478638	-0.2	
19	880.017	1433.1	-10.3	2.1	-2.7	0.7	1.7	1488096	-0.4	
19	880.317	1433.5	-9.7	2.4	-2.3	-1.1	1.7	1497676	-0.9	
19	880.617	1433.8	-7.2	5.8	-2.1	2.4	1.8	1507380	-1.4	
19	880.917	1434	-6.9	6.6	-2	1.8	2	1515016	-1.6	
19	881.217	1434.3	-6.7	7	-1.5	1.9	2	1524946	-1.9	
19	881.517	1434.4	-5.2	9.2	-1.4	3	2.1	1537262	-1.9	
19	881.817	1434.4	-5.9	8.1	-1.2	2.9	2	1553228	-2	
19	882.117	1434.4	-4.6	10.7	-1.2	3.3	2	1575434	-1.8	
19	882.417	1434.6	-5.8	9	-1.1	2.6	1.9	1599504	-1.6	
19	882.717	1434.7	-5.1	10.3	-0.9	2.9	1.8	1625583	-1.3	
19	883.017	1434.6	-5.6	9.5	-1	2.1	1.7	1656449	-0.8	
19	883.317	1434.5	-6.4	10.8	-0.9	1.5	1.6	1693973	0	
19	883.617	1434.4	-7.4	8	-1	1.6	1.4	1743340	0.6	
19	883.917	1434.4	-7.7	8.6	-0.8	0.7	1.2	1806515	1.3	
19	884.217	1434.4	-8.3	7.6	-0.6	0.7	1	1886262	1.9	
19	884.517	1434.2	-8.5	6.4	-0.8	0.2	0.9	1986481	2.7	
19	884.817	1434.5	-9.8	6.5	-0.6	-0.2	0.9	2112766	3.1	
19	885.117	1434.2	-9	5.5	-0.8	0.9	0.8	2275816	3.4	
19	885.417	1434	-9.8	6	-1	0	0.7	2480747	3.4	
19	885.717	1433.7	-8.9	6.1	-1.3	0.7	0.7	2733356	3.5	
19	886.017	1433.6	-10	5.3	-1.6	0.3	0.8	3056570	3.6	
19	886.317	1433.6	-9.1	5.6	-1.7	1.1	0.9	3466474	3.5	
19	886.617	1433.6	-8.3	6.9	-2	1.7	1	3988096	3.1	
19	886.917	1433.7	-7.5	6.3	-2	2.2	1.3	4663141	2.8	
19	887.217	1433.7	-7.2	7.5	-2.5	2.9	1.6	5583334	2.6	
19	887.517	1433.8	-7.8	5.9	-2.4	2	1.8	6887336	2.4	
19	887.817	1434	-7.2	7.9	-2.2	2.6	1.9	8834388	2	
19	888.117	1434.2	-5.7	7.8	-2.2	2.4	2.1	12102601	1.6	
19	888.417	1434.4	-6	9.1	-2.3	2.4	2.4	18206522	1.3	
19	888.717	1434.5	-5.8	8	-2.3	1.9	2.6		1.1	
19	889.017	1434.7	-5.5	10.6	-2.4	1.6	2.9		0.8	
19	889.317	1434.7	-5.3	8.3	-2.4	1.3	3		0.6	
19	889.617	1434.6	-5.3	11.2	-2.4	1.4	2.9		0.6	
19	889.917	1434.6	-5.7	8.3	-2.4	1.2	2.8		1	
19	890.217	1434.7	-5.8	11.1	-2	1.1	2.4	-1.7E+07	1.1	
19	890.517	1434.9	-4.2	9.7	-1.6	2.2	2	-1.4E+07	1.2	
19	890.817	1435	-4.2	12.3	-1.2	2	1.6	-1.2E+07	1.2	
19	891.117	1434.8	-4.1	10	-0.6	2.4	0.9	-1E+07	1.5	
19	891.417	1434.7	-4.3	9.4	-0.3	2.6	0.3	-9183114	2	
19	891.717	1434.4	-4.5	8.1	0.2	2.2	-0.5	-8243110	2.3	
19	892.017	1434.4	-5	8.3	1	1.3	-1.2	-7531475	2.4	
19	892.317	1434.6	-4	7	1.5	2.6	-1.5	-6910066	2.3	
19	892.617	1434.7	-4.5	5.8	2.1	1.7	-1.8	-6402905	2.3	
19	892.917	1434.8	-4.7	5	2.6	0.1	-2.1	-5982143	2.1	
19	893.217	1434.8	-4	3.2	2.8	0	-2.4	-5628360	1.9	
19	893.517	1434.6	-4.2	2.7	3	-1	-2.7	-5327608	1.8	
19	893.817	1434.7	-4.3	2.4	3.4	-1.6	-2.9	-5081918	1.4	
19	894.117	1434.6	-3.6	1.6	3.4	-1.7	-3.1	-4869186	1.2	
19	894.417	1434.5	-2.5	3.4	3.2	-1.1	-3.2	-4694507	0.8	
19	894.717	1434.6	-2.9	1.7	3.1	-2.1	-3.3	-4522139	0.3	
19	895.017	1434.2	-2.1	3.7	2.6	-1.3	-3.5	-4352911	0.1	
19	895.317	1433.8	-1.3	3.8	2.3	-0.5	-3.6	-4187500	0	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	895.617	1433.9	0	5.6	2.3	0.3	-3.5	-4018714	-0.3	
19	895.917	1433.8	1.3	7.7	2.3	1.5	-3.5	-3848806	-0.6	
19	896.217	1433.6	1.7	9.1	2	1.8	-3.5	-3666813	-1	
19	896.517	1434.2	3	10.7	2.6	2.7	-3.4	-3483777	-1.5	
19	896.817	1434.6	3.7	12	3.2	2.7	-3.3	-3302445	-1.7	
19	897.117	1435.1	3	11.5	3.5	2.6	-3.2	-3120343	-1.5	
19	897.417	1435.4	3.1	12.9	4	2.9	-3.1	-2940661	-1	
19	897.717	1435.4	3.1	12.1	4.3	3.1	-3.1	-2773179	-0.6	
19	898.017	1435.4	2.8	12.6	4.3	2.4	-3.1	-2623747	-0.3	
19	898.317	1435.4	2.6	11.5	4	2.6	-2.8	-2483690	0.7	
19	898.617	1435.4	2	12	3.9	2.6	-2.6	-2352529	1.5	
19	898.917	1435.3	1.2	10.3	3.1	2	-2.3	-2232144	2.6	
19	899.217	1435	1	9.3	2.4	2.2	-2.1	-2119181	3.8	
19	899.517	1435	0.8	8.3	1.8	2.9	-1.8	-2017101	4.6	
19	899.817	1434.8	0.5	7.7	1.2	2.8	-1.5	-1927947	5.3	
19	900.117	1434.6	0.1	7.9	0.7	2.6	-1.2	-1851239	5.9	
19	900.417	1434.5	0.1	7.3	0.2	3.3	-0.9	-1789531	6.5	
19	900.717	1434.6	0.1	5.8	0.3	4	-0.8	-1741889	6.7	
19	901.017	1434.7	0.1	6.1	0.2	4.6	-0.7	-1707790	6.8	
19	901.317	1434.9	0.6	6.4	0.3	5.4	-0.5	-1687148	6.3	
19	901.617	1434.7	1.5	7	0.4	5.5	-0.5	-1676342	5.5	
19	901.917	1434.8	2	7.3	0.4	5.5	-0.4	-1677685	4.6	
19	902.217	1434.8	2.9	8.2	0.5	6	-0.5	-1687148	3.4	
19	902.517	1434.8	3.6	9.3	0.7	5.4	-0.5	-1699473	2.2	
19	902.817	1434.9	3.8	9.6	0.8	4.4	-0.5	-1713381	0.8	
19	903.117	1434.9	3	7.2	0.9	2.4	-0.5	-1727517	-0.2	
19	903.417	1434.9	2.7	6.9	1	1.8	-0.5	-1741889	-1	
19	903.717	1434.9	1.7	5.8	1	-0.3	-0.5	-1757977	-1.7	
19	904.017	1434.7	1.9	6.2	1	-0.5	-0.6	-1775870	-2.2	
19	904.317	1434.7	1.4	5.9	0.9	-1.6	-0.6	-1797211	-2.5	
19	904.617	1434.8	0	5	1.2	-3.3	-0.8	-1820653	-2.6	
19	904.917	1434.7	0.8	4.8	1.1	-2.9	-0.9	-1847971	-2.7	
19	905.217	1434.6	0.2	4.7	1.1	-3.6	-1.1	-1881178	-2.8	
19	905.517	1434.3	0.7	5.4	1.1	-2.9	-1.4	-1919112	-2.8	
19	905.817	1434.2	-0.3	3.7	1.1	-3.8	-1.6	-1962278	-2.8	
19	906.117	1433.9	0	4.2	1	-2.8	-1.9	-2011288	-2.6	
19	906.417	1433.9	-1.2	3.1	1.3	-3.9	-2.1	-2066881	-2.2	
19	906.717	1433.9	-1	2.6	1.4	-3.3	-2.3	-2125635	-1.9	
19	907.017	1434	-1.6	0.9	1.5	-2.8	-2.4	-2183265	-1.3	
19	907.317	1434.1	-1.6	1.3	1.8	-2.7	-2.5	-2239306	-0.8	
19	907.617	1434.2	-1.8	0.3	1.9	-2.5	-2.5	-2295779	-0.4	
19	907.917	1434.4	-1.4	-0.1	2.3	-2	-2.4	-2355175	0.2	
19	908.217	1434.4	-1.4	-1.4	2.4	-0.7	-2.4	-2417726	0.8	
19	908.517	1434.7	-1.3	-2.6	2.7	-0.5	-2.3	-2474882	1.4	
19	908.817	1434.8	-0.9	-2.6	2.7	0.6	-2.2	-2528684	2.1	
19	909.117	1434.9	-0.5	-3.5	2.7	0.8	-2.1	-2575339	2.7	
19	909.417	1434.9	-0.3	-4	2.6	1.8	-2	-2620464	3.6	
19	909.717	1434.9	-0.2	-3.2	2.6	2.4	-1.9	-2663805	4.2	
19	910.017	1435	0.3	-2.8	2.6	3.3	-1.7	-2698132	4.7	
19	910.317	1434.7	0.8	-2.3	2.1	3.8	-1.5	-2719156	5.1	
19	910.617	1434.6	0.4	-2.4	1.9	4.1	-1.2	-2726238	5.9	
19	910.917	1434.7	1.1	-1.5	1.6	5	-0.8	-2722692	6.1	
19	911.217	1434.7	2.4	0.4	1.3	5.7	-0.6	-2708603	5.8	
19	911.517	1434.7	3.7	2.5	1.1	6.1	-0.5	-2684295	5	
19	911.817	1434.6	4.6	3.6	0.9	6.3	-0.4	-2653676	4.1	
19	912.117	1434.4	4.8	4	0.8	5.6	-0.5	-2620464	3.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	912.417	1434	5.2	4.7	0.4	5.2	-0.6	-2591275	2.4	
19	912.717	1433.7	5.5	5.4	0.4	4.3	-0.8	-2572175	1.4	
19	913.017	1433.4	5.8	5.7	0.5	4.2	-1.1	-2559597	0.8	
19	913.317	1433.1	5.7	5.6	0.5	3.2	-1.4	-2553354	0.4	
19	913.617	1433.1	5.9	5.8	0.8	2.7	-1.6	-2556472	0	
19	913.917	1433.2	5.6	5	0.8	1.7	-1.7	-2569019	-0.3	
19	914.217	1433.4	5.1	3.6	1.1	0.5	-1.7	-2597705	-0.5	
19	914.517	1433.3	5.3	3.3	1.3	0.5	-1.7	-2633648	-0.7	
19	914.817	1433.4	4.5	1.6	1.6	-0.8	-1.6	-2684295	-0.9	
19	915.117	1433.4	4.4	0.8	1.6	-1.1	-1.5	-2740511	-1	
19	915.417	1433.3	4.4	0.6	1.6	-1.4	-1.4	-2795394	-1.1	
19	915.717	1433.3	4.6	1.6	1.4	-1.2	-1.1	-2856413	-1.1	
19	916.017	1433.2	4	1.3	1.3	-1.6	-0.9	-2924232	-0.8	
19	916.317	1433.4	3.4	1.7	1.3	-2	-0.7	-2999642	-0.6	
19	916.617	1433.3	3.6	1.7	1	-1.7	-0.6	-3079045	-0.3	
19	916.917	1433.1	3.4	2	0.8	-2.5	-0.7	-3162765	0.1	
19	917.217	1432.9	3.6	3.6	0.5	-1.7	-0.8	-3251165	0.8	
19	917.517	1432.9	3.4	2.6	0.5	-1.6	-0.8	-3360755	1.3	
19	917.817	1432.8	3.5	3.3	0.4	-1.1	-0.8	-3507119	1.8	
19	918.117	1432.8	3.7	3	0.3	-1.4	-0.8	-3699205	2.2	
19	918.417	1432.5	3.7	4	0.1	-0.2	-0.8	-3943032	3	
19	918.717	1432.4	3.9	3.9	0.1	0.6	-0.8	-4238361	3.7	
19	919.017	1432.5	4.9	6.1	0.2	2.2	-0.8	-4601649	4	
19	919.317	1432.7	6.6	7.6	0.3	3.8	-0.7	-5081918	4.1	
19	919.617	1433.1	7.6	9.2	0.7	4.4	-0.5	-5705041	4.1	
19	919.917	1433.1	8.2	9.8	0.7	4.9	-0.5	-6522586	4.2	
19	920.217	1433.2	8.3	10.1	0.7	4.8	-0.6	-7558664	4	
19	920.517	1433.3	10	11.4	1	6	-0.7	-8834388	3.8	
19	920.817	1433.2	9.8	11.2	1.3	5.1	-0.9	-1E+07	3.4	
19	921.117	1432.9	10.6	11.9	1.3	5.7	-1.1	-1.2E+07	3.2	
19	921.417	1432.9	9.8	10.7	1.5	4	-1.2	-1.5E+07	3	
19	921.717	1433	10.3	10.8	1.7	3.8	-1.4	-1.8E+07	2.7	
19	922.017	1433	11.1	11.4	1.7	3.5	-1.4		2.2	
19	922.317	1433	11.5	11.7	1.7	3.3	-1.4		1.8	
19	922.617	1433.3	11.5	11.2	1.8	2.9	-1.1		1.5	
19	922.917	1433.3	11.8	11	1.7	1.8	-0.9		1	
19	923.217	1433.2	12.5	12.1	1.6	2.1	-0.7		0.5	
19	923.517	1433	12.3	11.2	1.4	0.8	-0.4		0	
19	923.817	1432.8	12.6	10.2	1	1.3	-0.1		-0.3	
19	924.117	1432.7	11.7	8	0.4	0.2	0.3		-0.7	
19	924.417	1432.4	12	7.4	0	0.1	0.5		-1.3	
19	924.717	1432.2	11.8	7	-0.4	-0.5	0.7		-2.1	
19	925.017	1432	11.9	6.7	-0.8	-0.7	0.7		-3	
19	925.317	1431.6	11.9	6.4	-1.1	-0.9	0.4		-3.7	
19	925.617	1431.4	12	6.2	-1.3	-1.5	0.2	19567757	-4.6	
19	925.917	1431.1	12.3	6.6	-1.6	-1.2	0.1	17895299	-5.3	
19	926.217	1430.9	12.1	6.2	-1.6	-1.7	-0.1	16617064	-5.7	
19	926.517	1431	11.3	5.7	-1.4	-1.9	-0.3	15509259	-5.7	
19	926.817	1430.9	10	4.9	-1.3	-2.8	-0.5	14439655	-5.4	
19	927.117	1430.8	8.9	3.6	-1.2	-2.9	-0.6	13335987	-4.9	
19	927.417	1430.9	7.6	3.1	-1.3	-3.1	-0.4	12172965	-4.1	
19	927.717	1431.3	6.5	2.1	-1.2	-2.6	0.1	11078042	-3	
19	928.017	1431.8	5.3	0.9	-1.3	-2	0.7	10066106	-1.8	
19	928.317	1432.1	4.1	-0.5	-1.3	-1.3	1.1	9143013	-0.4	
19	928.617	1432.3	3.6	-0.4	-1.5	-0.4	1.4	8341634	0.9	
19	928.917	1432.7	3.3	-0.1	-1.7	1.6	1.7	7669414	2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	929.217	1433	2.8	-0.8	-1.9	2.8	2.2	7121599	3	
19	929.517	1433.1	1.9	-1.5	-2	3.6	2.5	6710737	4	
19	929.817	1433.1	1.3	-2.3	-2.2	4.3	2.7	6402905	4.6	
19	930.117	1433.2	0.3	-3.1	-2.2	4.1	2.7	6122076	5	
19	930.417	1433.4	-1	-4.5	-2.1	4	2.5	5864846	5.4	
19	930.717	1433.6	-2.3	-6	-1.8	3.6	2.3	5613271	5.9	
19	931.017	1433.9	-2.4	-6.1	-1.7	4.2	2.3	5341199	6.2	
19	931.317	1434.3	-4	-7.9	-1.6	2.8	2.3	5057367	6.5	
19	931.617	1434.5	-4	-8.9	-1.4	2.8	2.1	4791190	6.7	
19	931.917	1434.3	-4.2	-10.8	-1.2	2.9	1.7	4522139	6.8	
19	932.217	1434.3	-4.4	-12	-0.8	3	1.4	4272960	6.9	
19	932.517	1434.2	-4.2	-12.4	-0.8	3.7	1.2	4049807	6.9	
19	932.817	1434.2	-4.4	-12.7	-0.7	3.7	1	3877315	6.9	
19	933.117	1434.2	-4.2	-14.2	-0.6	4.3	0.9	3745528	6.9	
19	933.417	1434.3	-4.4	-14.2	-0.1	3.9	0.5	3666813	6.8	
19	933.717	1434.5	-4	-14.6	0.2	4.8	0.2	3634983	6.5	
19	934.017	1434.6	-3	-12.8	0.5	5.3	0	3660403	6.3	
19	934.317	1434.6	-2.5	-12.8	0.7	5.5	-0.1	3738840	6	
19	934.617	1434.4	-2.3	-13.4	0.6	5.6	-0.1	3870148	5.9	
19	934.917	1434.4	-2.4	-13.9	0.8	4.7	-0.1	4089356	5.2	
19	935.217	1434.4	-1.5	-13	0.7	5	-0.1	4407895	4.6	
19	935.517	1434.2	-0.9	-12.7	0.6	4.2	-0.2	4802179	3.8	
19	935.817	1434	-0.7	-13.2	0.1	4.2	-0.1	5300633	3.2	
19	936.117	1433.8	-0.7	-13	-0.3	2.6	0	5931303	2.2	
19	936.417	1433.8	-0.1	-12.7	-0.6	1.8	0.2	6732315	1.3	
19	936.717	1433.6	0.2	-11.5	-0.9	0.8	0.4	7783457	0.5	
19	937.017	1433.4	0.4	-11.6	-1	0	0.5	9183114	-0.2	
19	937.317	1433.3	0.4	-11.4	-1.3	-0.4	0.7	10904948	-0.7	
19	937.617	1433.4	0.5	-11.4	-1.4	-1.6	0.9	13168239	-1.4	
19	937.917	1433.5	1.6	-10.3	-1.3	-1.1	1.1	16230620	-1.9	
19	938.217	1433.7	1	-11	-1.3	-2.6	1.3		-2.4	
19	938.517	1433.7	1.9	-10.4	-1.4	-2.1	1.4		-2.7	
19	938.817	1433.8	1.7	-10.4	-1.4	-2.8	1.4		-2.8	
19	939.117	1433.7	2.2	-9.1	-1.3	-2.7	1.3		-3	
19	939.417	1433.5	2.7	-7.3	-1.3	-2.2	1.1		-3	
19	939.717	1433.4	2.6	-6.3	-1.4	-2.3	1		-3	
19	940.017	1433.3	2.9	-4.7	-1.5	-1.8	1		-2.7	
19	940.317	1433.3	2.5	-4	-1.4	-2.3	0.9	-1.9E+07	-2.5	
19	940.617	1433.3	3.2	-2.1	-1.5	-1.2	0.9	-1.4E+07	-2.3	
19	940.917	1433.6	3.2	-0.9	-1.2	-1.3	1	-1.1E+07	-2.1	
19	941.217	1433.8	3.4	-0.2	-1.1	-0.4	1.1	-8723959	-1.6	
19	941.517	1433.8	3.5	0.2	-1	-0.4	1.1	-7244810	-1.1	
19	941.817	1434.1	3.4	0.6	-0.7	-0.5	1.2	-6194527	-0.5	
19	942.117	1434.3	3.4	1.5	-0.4	-0.2	1.3	-5438312	0.1	
19	942.417	1434.3	3.4	2.1	-0.3	0.1	1.3	-4869186	0.6	
19	942.717	1434.2	3.1	2.8	-0.1	0.4	1.2	-4426533	1.7	
19	943.017	1434.2	3.1	4.1	0.2	1.1	1	-4081384	2.4	
19	943.317	1433.9	2.8	5.1	0.3	1.6	0.5	-3813753	3.1	
19	943.617	1433.9	2.7	5.1	0.7	1.9	0.1	-3628683	3.8	
19	943.917	1433.7	3.4	7.4	1.1	3	-0.5	-3495409	4.5	
19	944.217	1433.6	4	8	1.4	4.1	-0.9	-3398945	4.9	
19	944.517	1433.5	4.8	9	1.8	5	-1.4	-3312896	5.1	
19	944.817	1433.3	4.8	9.2	2.4	4.6	-2.2	-3231096	5.2	
19	945.117	1432.8	6.2	10.4	2.5	5.8	-3	-3153238	5.5	
19	945.417	1432.6	5.6	10	2.6	5.4	-3.5	-3065520	5.9	
19	945.717	1432.5	5.4	9.6	2.8	5.6	-3.9	-2978308	6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	946.017	1432.5	5.7	10.1	2.8	5.8	-4.1	-2876031	6	
19	946.317	1432.4	6.3	10.3	2.9	5.8	-4.3	-2765853	5.9	
19	946.617	1432.1	6.2	9.2	2.6	5.1	-4.5	-2650317	5.7	
19	946.917	1431.9	6.3	8.8	2.4	4	-4.6	-2534807	5	
19	947.217	1432	7.4	9.7	2.2	4.2	-4.2	-2423322	4.1	
19	947.517	1432.4	8.6	11	2.4	4	-3.7	-2321231	2.9	
19	947.817	1432.8	9.1	10.6	2.2	3.9	-2.9	-2222665	1.9	
19	948.117	1433.2	8.8	9.7	2.2	2.6	-2.3	-2129960	0.9	
19	948.417	1433.7	9	9.7	2.3	1.4	-1.8	-2046677	-0.4	
19	948.717	1434	9.3	10	2.4	0.6	-1.4	-1967811	-1.4	
19	949.017	1434.4	9.5	9.6	2.4	0.2	-0.9	-1893084	-2.2	
19	949.317	1434.6	9.7	9.5	2.5	-0.3	-0.6	-1823825	-3.1	
19	949.617	1434.6	9.7	9.3	2.4	-1.2	-0.5	-1760934	-3.4	
19	949.917	1434.6	8.9	8.5	2.4	-2.5	-0.7	-1702237	-3.4	
19	950.217	1434.5	8.6	8.1	2.3	-2.9	-0.9	-1646031	-3.5	
19	950.517	1434.2	8.8	7.2	2.4	-2.3	-1.4	-1593418	-3.5	
19	950.817	1433.9	8.7	7.7	2.4	-2	-1.9	-1544064	-3.4	
19	951.117	1433.6	8.3	6.4	2.4	-2.2	-2.4	-1496606	-2.9	
19	951.417	1433.6	7.9	6.2	2.5	-2.3	-2.6	-1455005	-2.4	
19	951.717	1433.6	7.4	5.2	2.3	-2.4	-2.8	-1418531	-2.1	
19	952.017	1433.5	7.5	4.8	2.4	-2.1	-3	-1387509	-1.7	
19	952.317	1433.4	7.3	4.7	2.4	-1	-3.1	-1360462	-1.4	
19	952.617	1433.3	6.9	4	2.2	-0.8	-3.1	-1335301	-0.8	
19	952.917	1433.1	6.3	3.8	2.1	-0.3	-3	-1311875	0.3	
19	953.217	1433.1	5.5	2.3	2	0.2	-2.7	-1291642	1.2	
19	953.517	1433.2	6	2.8	1.9	1.7	-2.3	-1274347	1.9	
19	953.817	1433.1	6	2.6	1.5	2.3	-2	-1259021	2.5	
19	954.117	1433.5	5.7	2.2	1.6	2.5	-1.7	-1244799	3	
19	954.417	1433.5	6	2.6	1.6	3.3	-1.7	-1231619	3.6	
19	954.717	1433.7	4.9	1.5	1.9	2.9	-1.7	-1218006	4	
19	955.017	1433.9	5.2	1.8	2	3.3	-1.7	-1210261	4	
19	955.317	1433.8	5.1	2	2.2	3.3	-2	-1208864	4	
19	955.617	1433.8	4.2	1.1	2.3	2.8	-2.2	-1212364	4	
19	955.917	1433.6	4.1	1.3	2.3	2.2	-2.6	-1220847	3.8	
19	956.217	1433.6	4.5	1.8	2.7	2.2	-2.9	-1232344	3.4	
19	956.517	1433.6	5	1.6	2.6	2.4	-3.1	-1247023	2.9	
19	956.817	1433.6	5	1	2.7	1.6	-3.2	-1265872	2.4	
19	957.117	1433.6	4.7	-0.1	2.8	1.4	-3.3	-1290051	2.2	
19	957.417	1434	4.9	0.1	2.9	0.8	-3.1	-1313521	1.7	
19	957.717	1434.2	5.2	-1	3.1	0.6	-3.1	-1333600	1.4	
19	958.017	1434.3	5.4	-0.2	3.1	0.8	-3	-1346464	1.1	
19	958.317	1434.6	5.4	0	3.3	0.4	-2.7	-1353427	0.9	
19	958.617	1434.6	5.4	-0.3	3.3	-0.1	-2.7	-1355179	0.8	
19	958.917	1434.7	5.3	-1	3.5	-0.4	-2.8	-1352553	0.8	
19	959.217	1434.8	5.6	-0.6	3.6	0	-2.9	-1343010	0.5	
19	959.517	1434.6	6	-0.3	3.4	0.2	-3	-1328523	0.2	
19	959.817	1434.6	6.3	-1.1	3.2	0.4	-3.1	-1313521	0	
19	960.117	1434.5	6.8	-1.8	3	0.9	-3.2	-1300467	-0.2	
19	960.417	1434.6	7.2	-1.9	3.3	1.2	-3.3	-1289256	-0.6	
19	960.717	1434.4	7.6	-1.2	3.1	1.4	-3.3	-1281366	-1	
19	961.017	1434.4	8.1	-0.9	3.1	1.7	-3.3	-1276678	-1.5	
19	961.317	1434.4	8	-1.3	2.8	1.6	-2.9	-1276678	-1.4	
19	961.617	1434.6	7.2	-2.3	2.9	0.4	-2.6	-1279018	-1.4	
19	961.917	1434.8	7.3	-2.4	2.9	0.1	-2.1	-1284510	-1.4	
19	962.217	1435	6.9	-2.8	3	0.6	-1.7	-1293238	-1	
19	962.517	1435.1	6.1	-2.8	3	-0.4	-1.6	-1305332	-0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	962.817	1434.9	5.3	-3.3	2.7	-0.7	-1.6	-1320146	0.3	
19	963.117	1434.7	4.9	-3.9	2.5	-0.7	-1.5	-1336153	1.5	
19	963.417	1434.5	4.4	-4.3	2.4	-0.5	-1.7	-1352553	2.4	
19	963.717	1434.3	4.7	-3.6	2.4	0.9	-1.9	-1366679	3.5	
19	964.017	1433.8	5.2	-2.7	2.2	2.4	-2.4	-1377468	4.3	
19	964.317	1433.3	5.6	-1.8	2	3.6	-2.7	-1382927	5.5	
19	964.617	1432.7	4.2	-3.3	1.8	3	-3.3	-1382927	6.1	
19	964.917	1432.9	5.1	-2.2	2.1	4.7	-3.3	-1375658	6.4	
19	965.217	1433	5.4	-1.5	2	5.4	-3.2	-1363120	6.3	
19	965.517	1433.1	6.6	0.3	2	6.2	-3	-1347331	5.8	
19	965.817	1433.2	6.5	1	1.9	5.7	-2.7	-1329366	5.2	
19	966.117	1433.2	6.5	0.5	1.8	4.4	-2.5	-1312697	4.2	
19	966.417	1433.3	6.9	0.9	2	3.6	-2.3	-1298048	3.2	
19	966.717	1433.2	7.6	1.9	2	3	-2	-1286088	2	
19	967.017	1433.3	7.6	1.6	2	2.9	-1.5	-1279018	1.3	
19	967.317	1433.2	7.4	2.5	1.6	1.2	-1.3	-1277457	0.5	
19	967.617	1433.5	7.2	2	1.6	0.3	-1.3	-1279018	-0.3	
19	967.917	1433.6	7.4	2.3	1.8	-0.8	-1.4	-1285299	-0.8	
19	968.217	1433.5	7.6	3.4	1.7	-0.8	-1.5	-1294037	-1	
19	968.517	1433.4	7.9	3.8	1.8	-1.3	-1.6	-1302895	-1.1	
19	968.817	1433.4	7.7	3.2	1.9	-1.9	-1.7	-1313521	-1.2	
19	969.117	1433.2	7.5	2.5	2	-2.1	-2	-1325159	-1.2	
19	969.417	1433	7.7	2.7	2.1	-2.4	-2.3	-1336153	-1.2	
19	969.717	1433	8.2	3.5	2.2	-1.1	-2.3	-1344735	-0.8	
19	970.017	1433.3	7.8	2.9	2.3	-1.5	-2.3	-1351680	-0.7	
19	970.317	1433.3	8.2	3	2.1	-0.8	-2.3	-1356057	-0.6	
19	970.617	1433.4	8.4	3	2.2	-0.8	-2.4	-1357816	-0.5	
19	970.917	1433.3	9.8	4.4	2.2	0.5	-2.5	-1356057	-0.4	
19	971.217	1433.2	9.9	4.5	1.9	0.9	-2.4	-1350808	-0.2	
19	971.517	1433.3	9.2	3.9	2	0.8	-2.3	-1337861	-0.1	
19	971.817	1433.1	10.2	4.6	1.6	1.9	-2.1	-1322648	0	
19	972.117	1433	9.6	3.6	1.4	1.1	-1.9	-1304518	0.1	
19	972.417	1433.1	10	3.7	1.4	1.8	-1.6	-1286088	0.2	
19	972.717	1433.3	9.5	2.7	1.5	1	-1.3	-1269710	0.4	
19	973.017	1433.6	9.8	2.6	1.8	1.8	-1.1	-1258264	0.6	
19	973.317	1433.9	9.9	2.3	2	1.3	-0.8	-1250748	0.8	
19	973.617	1434	9.8	1.7	2.1	1.4	-0.7	-1249255	1.2	
19	973.917	1434.1	9	1	2.3	1.4	-0.8	-1252993	1.7	
19	974.217	1434.1	8.8	1.6	2.7	0.8	-1.1	-1263580	1.9	
19	974.517	1433.9	9.1	1.8	3	1.4	-1.7	-1277457	2	
19	974.817	1433.4	9.1	2.2	3	1.3	-2.5	-1296441	2.1	
19	975.117	1433	9.6	3.5	2.9	2.4	-3.1	-1315997	2.2	
19	975.417	1432.5	8.8	3.5	2.8	1.7	-3.8	-1333600	2.2	
19	975.717	1432.2	9	4.1	2.7	1.8	-4.3	-1349937	2.2	
19	976.017	1432	9.3	4.9	2.8	2.1	-4.6	-1363120	2.2	
19	976.317	1432	9.3	4.6	2.8	2.7	-4.7	-1374755	2.2	
19	976.617	1431.9	9.7	4.5	2.7	3	-4.6	-1385673	2	
19	976.917	1432.3	9.8	4.2	2.7	3	-4.1	-1393976	1.9	
19	977.217	1432.7	9.7	5.5	2.8	2.6	-3.5	-1398632	1.8	
19	977.517	1433.1	9.2	4.1	2.7	1.8	-2.9	-1402379	1.8	
19	977.817	1433.4	8.9	3.5	2.6	1.9	-2.3	-1406146	1.8	
19	978.117	1433.7	9	2.4	2.7	1.6	-1.9	-1409934	1.7	
19	978.417	1433.7	9	2.5	2.5	1.6	-1.6	-1413742	1.7	
19	978.717	1433.6	8.6	2.1	2.3	1.1	-1.4	-1417570	1.6	
19	979.017	1433.5	8.5	1.6	2.3	0.8	-1.4	-1421420	1.4	
19	979.317	1433.5	8.4	0.8	2.3	0.8	-1.6	-1427234	1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	979.617	1433.5	8.8	1.2	2.4	0.8	-2	-1436044	0.9	
19	979.917	1433.6	8.8	1.4	2.5	1	-2.3	-1444963	0.5	
19	980.217	1433.7	8.8	1.6	2.7	1.1	-2.7	-1453994	0.1	
19	980.517	1433.7	9.2	1.8	2.6	1.1	-3.1	-1462117	-0.5	
19	980.817	1433.7	8.8	1.2	2.8	0.4	-3.5	-1470331	-0.8	
19	981.117	1433.5	8.8	0.9	2.8	0.3	-3.9	-1479683	-0.9	
19	981.417	1433.2	8.5	0.8	2.9	0.3	-4.4	-1487039	-0.6	
19	981.717	1433.3	8	0.5	3	0.1	-4.4	-1492339	-0.5	
19	982.017	1433.5	8.1	0.4	3.1	0.9	-4.3	-1492339	-0.1	
19	982.317	1433.7	7.3	-0.9	3	0.5	-4	-1485984	0.7	
19	982.617	1434	6.7	-1.1	3.1	0.9	-3.7	-1472399	1.6	
19	982.917	1434.6	6.1	-2.1	3.4	1.2	-3.1	-1451977	2.7	
19	983.217	1435.2	6.1	-2.3	3.5	1.9	-2.5	-1426261	3.3	
19	983.517	1435.6	6.6	-3.2	3.5	2.8	-1.9	-1396766	3.4	
19	983.817	1436	6.7	-3.2	3.6	3	-1.4	-1365787	3.2	
19	984.117	1436	6.4	-2.8	3.1	3	-1	-1336153	3	
19	984.417	1436	5.4	-4.8	2.9	1.5	-0.9	-1310233	2.5	
19	984.717	1435.9	6.2	-3.4	2.7	2.3	-0.9	-1291642	1.7	
19	985.017	1435.4	5.9	-4.1	2	1.6	-0.9	-1281366	1.1	
19	985.317	1435	6	-3.5	1.4	1.6	-1.1	-1278237	0.5	
19	985.617	1434.7	6.2	-3.6	0.9	1.2	-1.1	-1282936	-0.3	
19	985.917	1434.5	5.6	-4.3	0.6	0	-1.2	-1293238	-0.8	
19	986.217	1434.4	5.3	-4.5	0.4	-0.6	-1.2	-1308595	-1.2	
19	986.517	1434.5	4.8	-4.2	0.4	-1.3	-1.1	-1325159	-1.5	
19	986.817	1434.5	4.6	-4.2	0.4	-1	-1.1	-1341289	-1.5	
19	987.117	1434.6	3.9	-5.2	0.4	-1.8	-1	-1353427	-1.4	
19	987.417	1434.7	4	-5.1	0.5	-1.6	-0.9	-1360462	-1.3	
19	987.717	1434.7	3.6	-6	0.7	-1.9	-0.9	-1362233	-0.8	
19	988.017	1434.6	3.3	-5.5	0.8	-2.2	-1	-1359579	-0.1	
19	988.317	1434.5	2.9	-6.1	0.8	-1.6	-1.1	-1355179	0.6	
19	988.617	1434.5	2.7	-6.6	0.9	-0.7	-1.2	-1349937	1.4	
19	988.917	1434.5	2.8	-6.5	1	0.1	-1.3	-1343010	2.1	
19	989.217	1434.5	2.8	-6.9	1.1	0.8	-1.4	-1335301	2.8	
19	989.517	1434.5	2.4	-7.4	1.1	1.5	-1.4	-1327680	3.5	
19	989.817	1434.7	2.7	-7	1.4	2.1	-1.4	-1322648	3.9	
19	990.117	1434.8	3.4	-5.8	1.5	3	-1.4	-1319314	4	
19	990.417	1435	4.5	-4.4	1.8	4.2	-1.5	-1317654	4.1	
19	990.717	1435.1	4.5	-4.5	2.1	4.5	-1.6	-1316825	4.2	
19	991.017	1435.2	4.2	-4.8	2.2	4.2	-1.6	-1321813	4.2	
19	991.317	1435.2	4.8	-3.8	2.2	4.8	-1.7	-1331903	4.1	
19	991.617	1435.2	5	-3.5	2.3	4.6	-1.8	-1349067	3.7	
19	991.917	1435	4.9	-3.5	2.4	4.2	-2.1	-1371154	3.2	
19	992.217	1434.8	5	-3.8	2.5	3.8	-2.5	-1397698	2.7	
19	992.517	1434.8	5.3	-3.5	2.9	3.6	-2.9	-1425290	2.1	
19	992.817	1434.7	5.4	-3.4	3	2.7	-3.3	-1453994	1.6	
19	993.117	1434.8	5.5	-3.7	3.5	2.6	-3.7	-1480729	1.2	
19	993.417	1434.7	5.7	-3.1	3.4	2.7	-3.9	-1501974	0.9	
19	993.717	1434.8	5.4	-3.4	3.7	1.9	-4.1	-1513920	0.8	
19	994.017	1434.9	5.4	-3.1	3.9	1.7	-4.2	-1517211	0.7	
19	994.317	1434.9	5.3	-2.7	4	1.2	-4.2	-1512826	0.6	
19	994.617	1434.9	5	-3.1	3.9	1	-4	-1503052	0.8	
19	994.917	1434.8	4.3	-3	3.8	0.3	-3.8	-1490215	1	
19	995.217	1435	4	-2.7	3.8	0.2	-3.5	-1474473	1.2	
19	995.517	1435	3.7	-2.4	3.6	-0.4	-3.2	-1460078	1.3	
19	995.817	1435.1	3.6	-2.5	3.6	-0.8	-3	-1444963	1.4	
19	996.117	1435.3	3.7	-2.9	3.5	-0.3	-2.7	-1431136	1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
19	996.417	1435.3	3.9	-2.8	3.6	-0.2	-2.7	-1417570	1.1	
19	996.717	1435.2	4.5	-1.9	3.6	-0.1	-2.7	-1403319	0.8	
19	997.017	1435.1	4.5	-0.9	3.8	-0.4	-2.7	-1390273	0.6	
19	997.317	1434.8	4.6	-1.6	3.8	0	-2.7	-1378375	0.5	
19	997.617	1434.6	4.7	-1.2	3.7	0	-2.7	-1366679	0.1	
19	997.917	1434.3	5.3	-0.7	3.4	0.4	-2.6	-1354303	-0.5	
19	998.217	1434.3	5.8	-0.4	3.2	0.6	-2.4	-1343010	-1.2	
19	998.517	1434.1	5.4	-0.2	2.5	-0.2	-2.2	-1332751	-1.7	
19	998.817	1434	4.9	-0.4	2.4	-1.3	-2.2	-1325159	-1.9	
19	999.117	1433.7	5.4	0.6	2.1	-1.6	-2.3	-1320146	-2.1	
19	999.417	1433.1	6	1.4	1.5	-1.2	-2.5	-1317654	-2	
19	999.717	1432.7	6	2.1	1.1	-0.9	-2.6	-1315997	-1.5	
20	0.017	1432.3	5.6	1.6	0.9	-0.4	-2.7	-1315997	-0.8	
20	0.317	1432	5	1.4	0.8	-0.1	-2.9	-1318484	0.1	
20	0.617	1431.8	4.4	1.1	0.8	0.2	-3.2	-1324321	1.1	
20	0.917	1432.3	4	1.1	1.1	1	-2.9	-1331056	1.9	
20	1.217	1432.3	4.6	1.9	1.1	2.6	-2.7	-1337006	2.5	
20	1.517	1432.6	5.3	2.5	1.4	3.5	-2.4	-1341289	2.9	
20	1.817	1433.1	5.8	3	1.8	4.1	-1.9	-1343872	3	
20	2.117	1433.5	6.1	3.7	2	4.6	-1.4	-1346464	3	
20	2.417	1433.7	5.6	2.9	2.2	4.3	-1.1	-1350808	3	
20	2.717	1433.9	5.1	1.7	2.4	4.1	-0.8	-1355179	2.9	
20	3.017	1434.2	4.7	0.2	2.4	4	-0.5	-1359579	2.9	
20	3.317	1434.1	4.4	-0.1	2	3.8	-0.5	-1364897	2.8	
20	3.617	1433.9	4.1	-0.1	2.1	3	-0.8	-1371154	2.7	
20	3.917	1433.6	3.9	-0.9	1.9	2.3	-1.1	-1378375	2.7	
20	4.217	1433.3	3.3	-1.7	1.6	1.7	-1.4	-1386591	3	
20	4.517	1433.1	2.9	-2	1.4	1.5	-1.8	-1394905	3.2	
20	4.817	1432.9	2.9	-2.1	1.3	1.7	-2.1	-1401440	3.2	
20	5.117	1432.7	2.8	-2.5	1.2	1.8	-2.4	-1406146	3.2	
20	5.417	1432.8	2.7	-2.7	1.3	2.2	-2.5	-1408037	3.2	
20	5.717	1432.8	2.8	-2.7	1.5	2.1	-2.6	-1407091	3	
20	6.017	1433	3	-2.7	1.9	2.3	-2.6	-1402379	2.7	
20	6.317	1433.1	3.3	-2.1	2.1	2.2	-2.6	-1394905	2.3	
20	6.617	1433.2	3.4	-2	2.3	2.5	-2.6	-1385673	2.1	
20	6.917	1433.5	3.1	-2.2	2.8	2	-2.5	-1374755	1.8	
20	7.217	1433.8	3.2	-1.8	3	2.2	-2.3	-1364008	1.5	
20	7.517	1433.9	3.2	-1.1	3	2	-2.2	-1353427	1.3	
20	7.817	1433.8	2.7	-1.3	3	1.2	-2.3	-1343010	1.1	
20	8.117	1433.7	3	-0.7	2.8	1.4	-2.3	-1331903	1	
20	8.417	1433.6	2.6	-1	2.6	1	-2.3	-1320146	0.9	
20	8.717	1433.6	2.9	-0.8	2.4	1.4	-2.1	-1307778	0.9	
20	9.017	1433.6	2.6	-1.3	2.2	1	-1.9	-1298048	0.9	
20	9.317	1433.3	2.9	-1.6	1.6	1.9	-1.7	-1291642	1.1	
20	9.617	1433.3	2	-2.5	1.4	0.8	-1.6	-1287670	1.3	
20	9.917	1433.4	2.1	-2.5	1.2	1.3	-1.4	-1286088	1.2	
20	10.217	1433.5	2.5	-2.2	1.1	1.8	-1.1	-1286879	1.1	
20	10.517	1433.7	2.4	-2.9	1.2	1.2	-0.8	-1290846	1	
20	10.817	1433.7	2	-3.8	1.3	1.2	-0.8	-1298048	1	
20	11.117	1433.6	1.5	-3.9	1.4	0.9	-0.9	-1304518	1	
20	11.417	1433.5	1.5	-3.4	1.6	1	-1.2	-1311053	0.9	
20	11.717	1433.4	1.1	-4.3	1.9	0.4	-1.5	-1315171	0.9	
20	12.017	1433.1	1.7	-4.3	2	1.4	-1.8	-1316825	0.8	
20	12.317	1433.2	0.8	-5.2	2.3	0.4	-2	-1315997	0.8	
20	12.617	1433.1	0.8	-4.8	2.6	0.2	-2.4	-1313521	0.7	
20	12.917	1433	1.3	-3.7	2.7	0.5	-2.8	-1307778	0.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	13.217	1432.7	1	-3.4	2.6	0.7	-3.1	-1298048	1	
20	13.517	1432.7	0.3	-3.7	2.8	0.5	-3.2	-1288463	1.5	
20	13.817	1432.6	0.1	-4.5	2.8	0.5	-3.3	-1281366	1.9	
20	14.117	1432.6	0.3	-5	2.7	1.1	-3.3	-1277457	2.2	
20	14.417	1432.5	0.2	-5.6	2.7	0.8	-3.3	-1275123	2.5	
20	14.717	1432.4	0.3	-5.8	2.4	1.8	-3.3	-1274347	3.1	
20	15.017	1432.4	0.1	-5.5	2.4	1.8	-3.3	-1275900	3.4	
20	15.317	1432.4	0.5	-4.6	2.5	1.8	-3.3	-1279800	3.6	
20	15.617	1432.6	0.6	-4.1	2.8	1.7	-3.3	-1284510	3.7	
20	15.917	1432.6	1.1	-3.3	2.9	2	-3.5	-1290051	3.7	
20	16.217	1432.8	1.5	-2.6	3.2	2.2	-3.5	-1294837	3.7	
20	16.517	1433	1.7	-2.2	3.6	1.8	-3.7	-1298048	3.6	
20	16.817	1433.1	2	-1.3	3.9	1.8	-3.9	-1300467	3.6	
20	17.117	1433.4	2.4	-0.5	4.4	1.6	-3.9	-1302085	3.5	
20	17.417	1433.5	2.6	-0.3	4.4	1.8	-3.9	-1301275	3.5	
20	17.717	1433.5	3.2	0.4	4.4	2	-3.9	-1299660	3.3	
20	18.017	1433.5	4.2	1.5	4.4	2.8	-3.9	-1298854	2.9	
20	18.317	1433.7	5.3	2.5	4.5	3.3	-3.8	-1297244	2.6	
20	18.617	1433.6	5.8	2.8	4.2	3.3	-3.7	-1296441	2.4	
20	18.917	1433.5	6.7	3.4	3.6	3.9	-3.4	-1294037	2.2	
20	19.217	1433.6	7.3	3.9	3.4	3.9	-3.1	-1289256	1.5	
20	19.517	1433.5	8.2	5.1	2.9	4	-3	-1282151	1.2	
20	19.817	1433.5	8.4	5.2	2.6	3.8	-2.8	-1274347	1	
20	20.117	1433.5	8.4	5.2	2.4	3.6	-2.6	-1264343	0.9	
20	20.417	1433.4	8	5.3	2.3	2.4	-2.4	-1252244	0.8	
20	20.717	1433.3	8	5	2.1	1.9	-2.3	-1238907	0.7	
20	21.017	1433.5	8.2	5.6	2.1	1.4	-2.1	-1227287	0.6	
20	21.317	1433.6	8.4	5.5	2.1	1.1	-1.9	-1218006	0.5	
20	21.617	1433.6	7.8	5.2	1.9	0.1	-1.9	-1212364	0.4	
20	21.917	1433.8	8.3	5.4	1.8	-0.2	-1.7	-1210961	0.3	
20	22.217	1433.8	8.5	6.5	1.7	-0.2	-1.5	-1212364	0.2	
20	22.517	1433.9	8.1	6	1.7	-0.9	-1.4	-1216590	0.1	
20	22.817	1433.5	8.6	6.1	1.3	-0.3	-1.5	-1223701	0	
20	23.117	1433.3	8.3	5.9	1.4	-0.6	-1.7	-1233796	-0.1	
20	23.417	1433.3	8.9	6.9	1.3	0	-1.7	-1244799	-0.2	
20	23.717	1433.3	8.9	7.4	1.3	-0.1	-1.7	-1255247	-0.3	
20	24.017	1433.7	9	7.5	1.6	0.2	-1.6	-1264343	-0.4	
20	24.317	1433.9	9.4	8.3	1.9	0.4	-1.7	-1270481	-0.5	
20	24.617	1433.7	9.3	7.6	1.9	0.2	-1.9	-1274347	-0.8	
20	24.917	1433.8	9.8	9	2.1	1	-1.9	-1275123	-0.9	
20	25.217	1433.9	9.9	9.1	2.3	1	-1.9	-1274347	-1	
20	25.517	1433.9	9.6	8.3	2.3	1.1	-1.9	-1271252	-0.9	
20	25.817	1433.9	9.2	8.2	2.3	0.9	-1.9	-1267404	-0.8	
20	26.117	1433.8	9	8.7	2.2	0.9	-2	-1265107	-0.8	
20	26.417	1433.8	8.9	8.8	2	0.9	-2.2	-1263580	-0.7	
20	26.717	1433.7	8.6	8.3	1.9	0.9	-2.3	-1265872	-0.2	
20	27.017	1433.7	8.1	7.9	2.1	0.7	-2.3	-1272798	0.1	
20	27.317	1433.4	7.7	7.4	1.8	0.7	-2.4	-1282936	0.4	
20	27.617	1433.5	7.2	7.1	1.8	0.6	-2.4	-1296441	0.7	
20	27.917	1433.7	6.8	6.3	2.1	0.5	-2.4	-1314345	1.1	
20	28.217	1433.7	6.1	5.5	2.2	0.4	-2.5	-1336153	1.8	
20	28.517	1434	5.7	4.6	2.6	0.4	-2.4	-1361347	2.2	
20	28.817	1434.3	5.5	4	2.9	0.5	-2.4	-1386591	2.4	
20	29.117	1434.3	5.6	3.9	3.1	0.7	-2.5	-1409934	2.4	
20	29.417	1434.2	5.7	3.7	3	1.2	-2.6	-1429182	2.7	
20	29.717	1434.2	5	2.6	3.2	0.9	-2.6	-1447961	2.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	30.017	1434.2	4.7	2.1	3.3	1	-2.7	-1464162	2.9	
20	30.317	1434.1	5.1	1.9	3.2	1.6	-2.7	-1477595	2.8	
20	30.617	1434	5.8	1.6	3	2.4	-2.6	-1487039	2.4	
20	30.917	1433.8	5.9	0.6	2.6	2.4	-2.4	-1492339	2	
20	31.217	1433.8	5.9	0.1	2.4	2.3	-2.2	-1492339	1.7	
20	31.517	1433.8	5.9	-0.8	2.2	2.1	-2	-1488096	1.4	
20	31.817	1433.9	6.3	-1	2.1	1.8	-1.7	-1481777	1.1	
20	32.117	1433.7	6.3	-1.9	1.9	1.8	-1.6	-1471364	0.9	
20	32.417	1433.6	6	-2.4	1.8	1.5	-1.4	-1457030	0.9	
20	32.717	1433.6	5.7	-2.7	1.9	1.1	-1.4	-1439994	0.9	
20	33.017	1433.5	5.5	-2.5	1.9	0.8	-1.4	-1422386	1.1	
20	33.317	1433.2	5.3	-2.7	1.9	0.6	-1.6	-1407091	1.3	
20	33.617	1433	5.1	-3.1	1.9	0.4	-1.8	-1392122	1.5	
20	33.917	1432.9	4.8	-3.6	2.1	0.4	-2.1	-1378375	1.8	
20	34.217	1432.8	5.4	-2.4	2.2	1.1	-2.5	-1365787	2	
20	34.517	1432.7	5.8	-2.5	2.4	1.2	-2.8	-1355179	2.1	
20	34.817	1432.3	6.2	-2.3	2.3	2	-3.2	-1348198	2.3	
20	35.117	1432.2	5.8	-2.3	2.2	2.1	-3.4	-1343010	2.4	
20	35.417	1431.9	5.9	-2.7	2	2.6	-3.7	-1339573	2.5	
20	35.717	1432	6	-2.3	2.3	2.6	-3.8	-1337861	2.5	
20	36.017	1431.9	6.4	-2.5	2.1	3	-3.8	-1337006	2.5	
20	36.317	1431.9	6.4	-2.5	2.1	3.2	-3.7	-1337006	2.5	
20	36.617	1432.2	6.2	-2.8	2.2	2.7	-3.4	-1338716	2.5	
20	36.917	1432.5	7.1	-2.3	2.2	3.4	-3	-1340430	2.5	
20	37.217	1432.9	6.9	-2.4	2.4	2.9	-2.6	-1341289	2.5	
20	37.517	1433.1	6.4	-3.4	2.4	2.4	-2.2	-1341289	2.4	
20	37.817	1433.6	6.2	-3.7	2.6	2	-1.7	-1338716	2.2	
20	38.117	1433.8	6.5	-3.1	2.3	1.9	-1.3	-1334450	1.8	
20	38.417	1434.1	6.6	-2.6	2.3	1.1	-0.9	-1329366	1.2	
20	38.717	1434.1	6.5	-2.5	2.4	0.4	-0.9	-1321813	0.6	
20	39.017	1434	6.5	-2.4	2.2	0.3	-0.9	-1313521	0.4	
20	39.317	1433.9	6.5	-2.1	2.2	-0.5	-1.1	-1305332	0.1	
20	39.617	1433.9	6.7	-1.4	2.1	-0.4	-1.1	-1298048	-0.1	
20	39.917	1433.7	6.9	-0.8	1.9	-0.3	-1.2	-1291642	-0.3	
20	40.217	1433.6	6.9	-0.3	1.7	-0.1	-1.3	-1286879	-0.3	
20	40.517	1433.6	6.8	0	1.8	-0.4	-1.5	-1282936	-0.4	
20	40.817	1433.5	7	0.9	1.6	-0.3	-1.8	-1278237	-0.4	
20	41.117	1433.3	7	1.3	1.6	-0.4	-2.1	-1272024	-0.2	
20	41.417	1433.2	7	1.5	1.5	-0.2	-2.3	-1264343	-0.1	
20	41.717	1433.1	7.1	1.5	1.5	0.2	-2.5	-1256000	0.2	
20	42.017	1433	7.1	1.4	1.5	0.6	-2.7	-1247023	0.5	
20	42.317	1432.9	7.5	2.5	1.7	1.1	-2.9	-1238907	0.7	
20	42.617	1432.9	7.2	2.5	1.9	1.1	-3.1	-1230172	1	
20	42.917	1432.9	7	1.9	2.2	1.6	-3.3	-1222272	1.4	
20	43.217	1433.4	7.2	1.4	2.8	2.2	-3.3	-1213769	1.7	
20	43.517	1433.6	7.8	1.9	3.2	2.9	-3.3	-1207470	1.9	
20	43.817	1434	7.6	1.7	3.5	3.1	-3.2	-1203998	2.1	
20	44.117	1434.3	7.7	1.8	3.7	3.4	-3	-1202615	2.3	
20	44.417	1434.4	7.2	0.9	3.7	3.1	-2.9	-1203998	2.7	
20	44.717	1434.6	7.3	1	3.9	3.3	-2.7	-1207470	2.9	
20	45.017	1434.5	7.3	1.3	3.6	3.6	-2.5	-1213769	3	
20	45.317	1434.4	6.7	1	3.3	3.2	-2.3	-1221559	3	
20	45.617	1434.4	6.4	0.9	2.9	2.7	-2.1	-1233796	3	
20	45.917	1434.2	6.6	1.3	2.5	2.5	-2	-1249255	2.8	
20	46.217	1434.1	6.2	1.1	2.2	2.1	-2	-1266638	2.7	
20	46.517	1434.2	6	1.2	2.1	1.3	-2	-1285299	2.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	46.817	1434.1	6.4	1	2.1	1.6	-2.1	-1303706	1.8	
20	47.117	1434	6.3	0.5	2	1.3	-2.2	-1320979	1.6	
20	47.417	1433.9	6.2	0	2.1	0.7	-2.4	-1336153	1.3	
20	47.717	1433.9	5.9	0.1	2.4	0.5	-2.7	-1349067	1.1	
20	48.017	1433.9	6.1	0.2	2.4	0.7	-2.9	-1357816	1	
20	48.317	1433.8	6	0	2.6	0.1	-3.1	-1362233	0.9	
20	48.617	1433.8	6	-0.4	2.8	0.1	-3.3	-1360462	0.9	
20	48.917	1433.8	6.1	-0.3	3	0.4	-3.4	-1355179	0.8	
20	49.217	1433.8	5.9	-0.3	3.2	-0.4	-3.5	-1346464	0.7	
20	49.517	1433.8	5.9	-1.2	3.2	-0.5	-3.5	-1335301	0.7	
20	49.817	1434	6.2	-0.7	3.5	-0.3	-3.4	-1319314	0.6	
20	50.117	1434.1	6.2	-0.2	3.7	-0.2	-3.3	-1301275	0.6	
20	50.417	1434.5	6.4	0.2	4.1	-0.2	-3.2	-1282151	0.5	
20	50.717	1434.5	7	0.5	4.3	0.3	-3.2	-1263580	0.3	
20	51.017	1434.5	7.3	0.7	4.5	0.3	-3.2	-1245540	0.3	
20	51.317	1434.3	7	0.5	4.3	0	-3.2	-1230172	0.1	
20	51.617	1434.2	7.5	1	4.2	0.4	-3.1	-1217298	-0.1	
20	51.917	1434.1	7.8	1.3	4	0.3	-2.9	-1207470	-0.2	
20	52.217	1433.8	8	1.3	3.8	0.4	-2.7	-1200546	-0.3	
20	52.517	1433.5	8	1.1	3.6	0.3	-2.6	-1197799	-0.3	
20	52.817	1433.2	8.2	1.3	3.1	0.2	-2.5	-1197114	-0.3	
20	53.117	1433	7.9	1.1	3	-0.8	-2.6	-1198484	0	
20	53.417	1432.7	8.5	1.5	2.3	0.3	-2.5	-1201235	0.9	
20	53.717	1432.6	8	1	1.8	0.9	-2.3	-1205384	2	
20	54.017	1432.4	8	1	1.4	1	-2.3	-1209562	2.7	
20	54.317	1432.1	8.6	1.5	0.8	2.3	-2.3	-1213066	3.7	
20	54.617	1431.5	8.4	1.3	0.2	2.7	-2.3	-1216590	4.7	
20	54.917	1430.9	8.5	1	-0.4	3.5	-2.3	-1219425	5.3	
20	55.217	1430.6	9	1.8	-0.5	4.3	-2.3	-1222272	5.5	
20	55.517	1430.7	10.4	3.4	-0.7	6	-2	-1225850	5.4	
20	55.817	1431.3	10.8	3.6	-0.4	5.6	-1.7	-1230172	5	
20	56.117	1431.8	11.2	3.4	0	5.1	-1.5	-1234524	4	
20	56.417	1432.5	11.8	4.2	0.6	5.2	-1.3	-1240374	3.2	
20	56.717	1433	12.1	4.4	1.2	4	-1.1	-1247023	1.9	
20	57.017	1433.3	12.9	5.7	1.7	3.9	-0.9	-1254495	0.9	
20	57.317	1433.6	12.5	5.2	2.3	2.2	-0.8	-1262818	0	
20	57.617	1433.7	12.2	4.9	2.5	1.4	-0.7	-1273572	-0.5	
20	57.917	1433.8	11.7	5	2.8	-0.3	-0.7	-1286088	-1	
20	58.217	1434.1	11.9	5.5	2.8	-0.8	-0.8	-1298854	-1.5	
20	58.517	1434	12.1	5.5	2.8	-1.1	-1.1	-1311053	-1.7	
20	58.817	1433.9	11.5	5.3	2.6	-2.2	-1.5	-1323484	-1.7	
20	59.117	1433.7	11.3	5.3	2.4	-2.2	-1.9	-1334450	-1.4	
20	59.417	1433.6	11.4	5	2.4	-2.4	-2.4	-1344735	-1.2	
20	59.717	1433.2	12	5.7	2.3	-1.4	-3	-1353427	-0.8	
20	60.017	1433.1	11.6	5.4	2.4	-1.2	-3.4	-1359579	-0.4	
20	60.317	1432.8	11.6	5.7	2.4	-0.4	-3.7	-1367571	0.1	
20	60.617	1432.9	11.6	5.5	2.5	-0.1	-3.9	-1375658	0.4	
20	60.917	1432.8	11.7	5.7	2.7	0.2	-4.2	-1384756	0.6	
20	61.217	1433.1	12.2	6.2	3	1	-4.2	-1394905	0.8	
20	61.517	1433.5	12	5.9	3.4	1.2	-4.1	-1407091	1	
20	61.817	1433.8	12.4	6.5	3.6	1.8	-3.9	-1417570	1.1	
20	62.117	1434.1	12.7	6.8	3.9	2.1	-3.7	-1426261	1.1	
20	62.417	1434.4	12.5	6.3	3.8	2.2	-3.3	-1431136	1.3	
20	62.717	1434.5	12.4	6.2	4	2.3	-3.2	-1431136	1.3	
20	63.017	1434.5	12.4	6	3.9	2.8	-3.1	-1426261	1.4	
20	63.317	1434.6	12.1	5.1	4	2.6	-2.9	-1419493	1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	63.617	1434.7	12.4	5.1	3.8	2.8	-2.7	-1409934	1.3	
20	63.917	1434.7	12.3	5.3	3.6	2.3	-2.6	-1396766	1.3	
20	64.217	1434.7	11.9	4.4	3.5	2.1	-2.5	-1382014	1.4	
20	64.517	1434.7	11.3	3.5	3.4	1.5	-2.4	-1367571	1.4	
20	64.817	1434.7	11.7	3.7	3.3	1.9	-2.3	-1356057	1.3	
20	65.117	1434.6	11.1	3.1	2.9	1.8	-2.1	-1345599	1.4	
20	65.417	1434.4	10.3	2.1	2.3	1.8	-1.8	-1339573	1.5	
20	65.717	1434.2	10.2	2.3	1.6	1.6	-1.5	-1335301	1.5	
20	66.017	1434.1	9.6	1.1	1.4	0.7	-1.4	-1331903	1.1	
20	66.317	1433.8	10.6	2.6	0.9	1	-1.2	-1328523	0.9	
20	66.617	1433.5	10	2	0.4	0.8	-1.1	-1325999	0.7	
20	66.917	1433.3	9.7	1.1	0.2	0.7	-1.1	-1323484	0.6	
20	67.217	1433.1	9.6	1.2	0	0.4	-1.1	-1320146	0.6	
20	67.517	1433.2	9	0.5	0	0.3	-1	-1315997	0.7	
20	67.817	1433.4	7.6	-1.4	0.4	-1.5	-1.1	-1311053	0.8	
20	68.117	1433.5	8.1	-2.3	0.7	0.2	-1.3	-1306961	0.9	
20	68.417	1433.6	7.6	-3.2	1.1	0.1	-1.6	-1304518	0.9	
20	68.717	1433.6	8.7	-2.5	1.4	0.6	-1.8	-1306961	1	
20	69.017	1433.6	7.8	-4	2	-0.5	-2.1	-1313521	1.1	
20	69.317	1433.8	7.8	-4.3	2.6	-0.1	-2.3	-1324321	1.1	
20	69.617	1433.7	7.8	-5.1	2.8	-0.7	-2.5	-1340430	1.1	
20	69.917	1433.8	7.7	-4.8	3.1	0.1	-2.7	-1363120	1.2	
20	70.217	1433.8	9.4	-2.8	2.7	1.9	-2.4	-1391197	1.3	
20	70.517	1433.9	7.5	-4.2	2.9	-0.6	-2.3	-1424321	1.3	
20	70.817	1434	7.1	-4.8	2.8	-1.2	-2.2	-1462117	1.3	
20	71.117	1434.1	7.6	-4.5	2.9	-1.4	-2.1	-1504132	1.3	
20	71.417	1434	8.8	-2.7	2.7	-0.5	-1.9	-1548633	1.4	
20	71.717	1433.8	8.3	-3	2.6	-0.9	-2	-1594632	1.4	
20	72.017	1433.6	9.6	-1.8	2.6	1	-2	-1640871	1.8	
20	72.317	1433.7	8.5	-3.5	2.8	0.2	-2.2	-1688509	1.9	
20	72.617	1433.6	9.9	-1.7	3.2	1.1	-2.6	-1737553	1.5	
20	72.917	1433.2	10.6	-1	3.1	2	-3	-1791062	1.4	
20	73.217	1433.2	11.5	-0.1	3.3	3.8	-3.3	-1851239	1.1	
20	73.517	1433.1	11.8	0.1	3.1	4.1	-3.5	-1913849	0.6	
20	73.817	1432.9	13.6	1.4	3	4.9	-3.7	-1977102	0.1	
20	74.117	1432.6	13.3	1.3	2.9	4	-3.9	-2042684	-0.4	
20	74.417	1432.3	12.9	0.5	2.6	2.8	-3.9	-2108510	-0.8	
20	74.717	1432.3	12.6	-0.1	2.2	3.2	-3.6	-2174196	-1	
20	75.017	1432.1	11.2	-1.3	2	1.2	-3.5	-2239306	-1.2	
20	75.317	1432.3	12.5	0.1	1.9	2.6	-3	-2295779	-1.3	
20	75.617	1432.5	10.6	-1.8	1.5	0.8	-2.5	-2336775	-1.2	
20	75.917	1432.9	9.1	-3	1.5	-0.8	-2.1	-2363150	-1.2	
20	76.217	1433.2	8.7	-3.7	1.6	-1.6	-1.9	-2379262	-1.2	
20	76.517	1433.5	9.5	-2.8	1.7	-0.3	-1.6	-2384682	-1.3	
20	76.817	1433.6	9	-2.9	1.9	-0.3	-1.4	-2384682	-1.7	
20	77.117	1433.7	8.2	-3.1	1.8	-0.3	-1.3	-2381969	-1.7	
20	77.417	1433.7	7.6	-4.1	1.9	0.5	-1.3	-2381969	-1.5	
20	77.717	1433.6	6.6	-4.5	1.8	-0.2	-1.3	-2381969	-1.1	
20	78.017	1433.7	5.8	-4.5	1.9	0.4	-1.2	-2390126	-1	
20	78.317	1433.8	5.6	-4.6	1.8	1.5	-1.1	-2409379	-1	
20	78.617	1434.1	4.5	-5.1	1.8	1	-0.8	-2443116	-0.5	
20	78.917	1434.1	3.7	-6.9	1.6	0.9	-0.7	-2489596	0.4	
20	79.217	1434	2.2	-7.8	1.4	0.8	-0.6	-2550244	1.6	
20	79.517	1434	0.9	-8.8	1.3	1.4	-0.5	-2617188	2.7	
20	79.817	1434	0	-9.6	1.3	1.8	-0.4	-2684295	3.8	
20	80.117	1433.8	-1.1	-10.1	1	2.3	-0.3	-2747704	4.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	80.417	1433.5	-1.8	-9.4	0.5	3	-0.2	-2784243	5.9	
20	80.717	1433.4	-2.8	-10.9	0.2	2.9	-0.1	-2806636	6.5	
20	81.017	1433.1	-2.7	-10.3	-0.2	3.4	-0.2	-2810403	6.7	
20	81.317	1433	-3.1	-11.8	-0.3	3	-0.2	-2795394	6.8	
20	81.617	1432.7	-3	-10.8	-0.5	3.8	-0.2	-2765853	6.9	
20	81.917	1432.7	-3.7	-11.5	-0.5	3.7	-0.2	-2740511	6.9	
20	82.217	1432.5	-3.6	-11.4	-0.9	4	-0.1	-2726238	6.9	
20	82.517	1432.6	-3.6	-11.3	-1.1	4.1	0.2	-2733356	6.9	
20	82.817	1432.6	-3.7	-13.1	-1.1	4.2	0.4	-2765853	6.9	
20	83.117	1432.8	-4.1	-11.6	-1.1	3.8	0.7	-2825574	6.7	
20	83.417	1432.9	-3.4	-10.5	-0.9	3.7	0.8	-2916087	5.9	
20	83.717	1432.9	-2.3	-9.9	-0.9	4.2	0.8	-3034421	5.1	
20	84.017	1432.9	-2	-10.8	-0.6	3.3	0.8	-3186835	4.2	
20	84.317	1432.8	-1.9	-10.2	-0.6	3.2	0.7	-3371579	3.4	
20	84.617	1433	-1.4	-11	-0.2	2.8	0.6	-3585189	2.4	
20	84.917	1433.1	-0.6	-9.1	-0.1	2.8	0.5	-3786167	1.3	
20	85.217	1433.1	-0.2	-10.1	0.1	1.8	0.2	-3995706	0	
20	85.517	1433	0.3	-10.3	0.2	1.5	-0.2	-4146040	-1.1	
20	85.817	1432.9	0.2	-11.3	0.3	0.7	-0.5	-4238361	-1.7	
20	86.117	1433	0.3	-11.5	0.6	-0.4	-0.8	-4272960	-2.6	
20	86.417	1432.8	0.7	-12.9	0.7	-0.8	-1	-4272960	-3.3	
20	86.717	1432.8	0.3	-13	0.9	-1.5	-1.1	-4238361	-3.7	
20	87.017	1432.7	0	-12.9	0.7	-1.9	-1.2	-4187500	-3.9	
20	87.317	1432.9	-0.7	-13.3	0.9	-3.2	-1.1	-4121555	-4	
20	87.617	1433.1	-0.3	-11.5	1	-3.1	-1	-4065534	-4.1	
20	87.917	1433.2	-0.6	-13.1	1.1	-3.9	-0.8	-4018714	-4.1	
20	88.217	1433.3	-0.9	-11.5	1.1	-4.1	-0.6	-3988096	-3.8	
20	88.517	1433.4	-1.6	-10.7	1	-4.2	-0.4	-3965436	-3.1	
20	88.817	1433.4	-1.6	-10.3	1	-3.8	-0.2	-3935621	-2.4	
20	89.117	1433.3	-1.9	-11.4	0.9	-3.4	-0.1	-3920881	-1.5	
20	89.417	1433.3	-2.6	-11.6	0.9	-3	-0.2	-3906250	-0.2	
20	89.717	1433.1	-2.5	-10.7	0.7	-2	-0.5	-3906250	1.2	
20	90.017	1433	-2.4	-10	0.7	-1.4	-0.9	-3913552	2.3	
20	90.317	1432.8	-1.9	-8.5	0.9	-0.1	-1.4	-3920881	3.4	
20	90.617	1432.8	-1.4	-7.2	1.1	0.9	-1.7	-3928237	4.1	
20	90.917	1432.6	-1.3	-6.9	1.1	2.1	-2.1	-3935621	5.1	
20	91.217	1432.5	-1	-5.5	1.4	3.4	-2.5	-3965436	5.8	
20	91.517	1432.3	-0.4	-4.1	1.4	5	-2.7	-4003346	6	
20	91.817	1432.5	0.4	-1.8	1.5	5.8	-2.7	-4057655	5.6	
20	92.117	1432.9	2.1	1.2	1.7	6.5	-2.4	-4129685	4.5	
20	92.417	1433.2	2.8	2.8	1.9	6.5	-2	-4212777	3.8	
20	92.717	1433.4	3.7	4.8	1.9	6.5	-1.7	-4281698	2.8	
20	93.017	1433.5	4.5	6.3	1.9	6	-1.4	-4334886	1.7	
20	93.317	1433.7	4.9	7.7	1.9	5.6	-1	-4361980	0.7	
20	93.617	1433.8	4.3	7	1.9	4.5	-0.7	-4380230	0.1	
20	93.917	1434	3.2	6.3	2	2.9	-0.4	-4389413	-0.4	
20	94.217	1434.1	2.9	5.9	2	2	-0.3	-4380230	-0.6	
20	94.517	1434.1	2.6	6.3	1.6	0.8	-0.2	-4371086	-0.8	
20	94.817	1433.7	2.6	6.2	1.4	0.7	-0.5	-4361980	-0.6	
20	95.117	1433.6	1.8	5.4	1.3	0.1	-0.6	-4343880	-0.1	
20	95.417	1433.1	1.7	5.4	1.1	-0.1	-1.1	-4334886	0.1	
20	95.717	1433	1.2	5.3	1.2	-0.7	-1.4	-4334886	0.4	
20	96.017	1432.7	0.7	4.1	1.2	0	-1.7	-4325930	0.8	
20	96.317	1432.5	0.1	2.4	1.1	0.2	-1.9	-4299282	1.4	
20	96.617	1432.4	0.1	2.1	1	0.6	-2	-4255590	1.8	
20	96.917	1432.5	-0.2	1.7	1.2	0.5	-2	-4195892	2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	97.217	1432.4	-0.2	1.2	1.4	0.7	-2.1	-4129685	2.4	
20	97.517	1432.5	-0.5	0.1	1.4	1.1	-2	-4041989	2.8	
20	97.817	1432.6	-0.8	-0.6	1.6	1.2	-1.9	-3935621	3.2	
20	98.117	1432.7	-0.3	-0.6	1.4	1.5	-1.6	-3827697	3.2	
20	98.417	1432.7	-1.2	-1.4	1.3	0.9	-1.4	-3732175	3.2	
20	98.717	1432.6	-0.5	-0.8	1	1.4	-1.2	-3654014	3.3	
20	99.017	1432.6	-0.4	-1.1	0.7	1.9	-0.9	-3597509	3.3	
20	99.317	1432.4	0.1	-0.2	0.2	2.2	-0.8	-3554754	3.2	
20	99.617	1432.5	0.3	0.3	-0.2	2.6	-0.5	-3518908	3.1	
20	99.917	1432.6	0.5	1.2	-0.4	2.6	-0.3	-3513004	3	
20	100.217	1432.7	0.7	1	-0.6	2.3	-0.2	-3554754	2.6	
20	100.517	1432.8	1.5	2.1	-0.6	2.4	-0.1	-3647649	2.3	
20	100.817	1433	1.4	2.3	-0.6	2.2	0	-3758977	1.6	
20	101.117	1433.2	2.6	4.2	-0.6	2.9	0.2	-3891729	1.2	
20	101.417	1433.3	1.9	3.5	-0.6	1.5	0.3	-4041989	0.9	
20	101.717	1433.5	2.3	4.2	-0.5	1.6	0.5	-4204318	0.7	
20	102.017	1433.9	1.9	4.5	-0.4	0.9	0.7	-4371086	0.6	
20	102.317	1434.2	2.2	4.7	-0.4	1.3	0.9	-4522139	0.4	
20	102.617	1434.3	2.7	5.1	-0.4	1.2	1	-4632191	0.3	
20	102.917	1434.4	3.1	5	-0.6	1.4	1	-4715653	0.2	
20	103.217	1434.4	2.8	4.2	-0.7	0.9	1	-4747733	0.5	
20	103.517	1434.6	2.3	3.6	-0.5	0.1	1	-4705057	0.7	
20	103.817	1434.6	3	4	-0.4	1.5	0.9	-4611784	0.8	
20	104.117	1434.6	2.7	3.1	-0.2	0.9	0.7	-4493026	0.9	
20	104.417	1434.7	2.9	2.5	-0.1	1.2	0.6	-4361980	1.1	
20	104.717	1434.9	2.1	0	0.2	0.5	0.5	-4229798	1.2	
20	105.017	1434.8	2.8	0	0.4	1.8	0.3	-4121555	1.3	
20	105.317	1435.1	2.3	-1.4	0.9	1.2	0.1	-4026443	1.2	
20	105.617	1435.1	3.3	-1.2	1.5	2	-0.2	-3980514	0.8	
20	105.917	1435	3.2	-1.7	1.7	2.4	-0.6	-3972961	0.7	
20	106.217	1434.8	2.6	-1.7	2.2	1.4	-1.1	-3995706	0.6	
20	106.517	1434.7	3.1	-0.1	2.5	1.1	-1.5	-4049807	0.3	
20	106.817	1434.5	3.7	0.8	2.6	1	-1.8	-4121555	0.1	
20	107.117	1434.2	3.4	0.8	2.5	1.4	-2	-4195892	0.4	
20	107.417	1434	1.9	-0.7	2.3	-0.3	-2.2	-4290472	0.9	
20	107.717	1433.7	1.5	-0.3	1.7	0.9	-2.4	-4380230	2	
20	108.017	1433.3	1.5	-0.2	1	1.3	-2.3	-4464286	3.3	
20	108.317	1433.1	0.7	-0.5	0.4	2	-2	-4522139	4.9	
20	108.617	1432.9	0.5	-0.2	-0.1	3.1	-1.6	-4561547	6.1	
20	108.917	1432.9	1.8	1.7	-0.5	4.3	-1.1	-4581510	6.6	
20	109.217	1432.6	2.6	2.5	-0.8	4.6	-0.8	-4581510	6.8	
20	109.517	1432.6	2.6	2.8	-0.5	4.6	-0.8	-4581510	6.9	
20	109.817	1433	3.3	3.5	-0.2	6.3	-0.6	-4581510	6.9	
20	110.117	1433.6	2.8	3.3	0.2	6.6	-0.2	-4581510	6.9	
20	110.417	1434.1	3.6	4.4	0.6	6.7	0.1	-4581510	6.4	
20	110.717	1434.4	3.9	4.2	1	6.8	0	-4581510	5	
20	111.017	1434.3	4.4	5.6	1.3	5.7	-0.2	-4601649	3.8	
20	111.317	1434.3	5.1	5.6	1.7	4.1	-0.5	-4611784	2.2	
20	111.617	1434	5.8	6.2	1.8	3	-0.7	-4621965	0.8	
20	111.917	1433.7	6.4	6.3	1.8	2.7	-0.8	-4611784	-0.5	
20	112.217	1433.6	5.8	5.5	1.5	0.9	-0.8	-4591557	-1.2	
20	112.517	1433.6	4.8	4.3	1.2	-0.1	-0.9	-4551631	-1.5	
20	112.817	1433.5	5.1	4.4	0.8	-0.4	-0.9	-4502689	-1.6	
20	113.117	1433.7	3.5	2	1.1	-2.5	-1.1	-4454788	-1.7	
20	113.417	1433.6	4.5	3.1	1.3	-1.6	-1.4	-4417194	-1.6	
20	113.717	1433.4	4.5	1.9	1.2	-1.7	-1.6	-4380230	-1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	114.017	1433.1	4.6	2.7	1.1	-1.9	-1.6	-4361980	-0.5	
20	114.317	1432.9	3.8	1.5	1.1	-3.3	-1.7	-4343880	0	
20	114.617	1432.9	4	2.1	1.1	-2.5	-1.7	-4334886	0.4	
20	114.917	1433	4	1.8	1.3	-1.8	-1.8	-4352911	0.8	
20	115.217	1433.1	4.2	1.5	1.4	-1.3	-1.8	-4389413	1.1	
20	115.517	1433.1	4.6	1.5	1	-0.2	-1.7	-4426533	1.3	
20	115.817	1433.2	4.6	1.8	0.9	-1.2	-1.5	-4473825	1.5	
20	116.117	1433.3	4.9	2.6	1	-1.1	-1.4	-4541757	1.7	
20	116.417	1433.3	6.1	3.1	1	-0.1	-1.2	-4632191	1.7	
20	116.717	1433.3	7.7	5	1.2	1.7	-1.1	-4726298	1.7	
20	117.017	1433.3	7.9	5	1.3	1.8	-1.1	-4846644	1.8	
20	117.317	1433.4	8.3	6.2	1.1	2.4	-1	-4985119	1.9	
20	117.617	1433.5	8	5.2	1.3	1.2	-1	-5144349	2	
20	117.917	1433.9	8.7	6.4	1.8	2.2	-1	-5341199	2	
20	118.217	1434	10.2	6.9	1.8	4.3	-1	-5539021	2	
20	118.517	1434	10.9	7.7	1.6	4.6	-1	-5705041	2.1	
20	118.817	1433.9	11.2	8.6	1.3	4.6	-1	-5832173	2.2	
20	119.117	1433.6	11.7	8.6	0.9	4.8	-0.9	-5881320	2.6	
20	119.417	1433.4	11.8	8.1	0.7	5.3	-0.8	-5864846	2.8	
20	119.717	1433.6	11.5	8.1	0.5	5.2	-0.5	-5815972	2.8	
20	120.017	1433.3	13.3	11.4	0	6.9	-0.3	-5705041	2.8	
20	120.317	1433.1	12.3	10.8	-0.5	6	-0.2	-5524407	2.8	
20	120.617	1433.1	11.2	9.7	-0.6	4.3	-0.1	-5327608	2.9	
20	120.917	1433.5	11.9	11.2	-0.7	5.1	0.2	-5169753	2.9	
20	121.217	1433.8	11.4	10.9	-0.5	4.3	0.3	-5081918	2.9	
20	121.517	1433.9	11.3	9.5	-0.4	4	0.4	-5069613	3	
20	121.817	1433.7	10.7	8.1	-0.3	3.6	0.4	-5131741	3.1	
20	122.117	1433.8	9.9	7.3	-0.2	3.2	0.5	-5234375	3.1	
20	122.417	1433.7	10.3	7	-0.3	2.9	0.5	-5354860	3	
20	122.717	1433.7	9.5	6.7	-0.2	2.6	0.5	-5495407	3	
20	123.017	1433.7	9.4	5.8	-0.1	3.4	0.5	-5643531	2.9	
20	123.317	1434	8.4	4.5	0	2.4	0.6	-5799862	2.7	
20	123.617	1434.2	8.8	4.4	0	2.9	0.6	-5982143	1.9	
20	123.917	1434.2	8.8	3.7	0	2.5	0.7	-6140030	0.9	
20	124.217	1433.7	8.6	2.8	-0.1	2.2	0.5	-6268713	0	
20	124.517	1433.4	8	1.6	-0.4	2.3	0.5	-6383384	-0.4	
20	124.817	1433.6	7.4	1.6	-0.2	1.3	0.7	-6502329	-0.7	
20	125.117	1433.6	7.4	2.6	-0.2	1.1	0.7	-6625791	-0.9	
20	125.417	1433.5	6.5	1.4	-0.2	-0.2	0.5	-6732315	-0.8	
20	125.717	1433.3	5.5	2	-0.4	0.3	0.3	-6820033	0.1	
20	126.017	1433.3	4.2	-0.3	-0.3	-0.5	0.1	-6864754	1.1	
20	126.317	1433.1	3.1	-1.4	-0.5	-0.2	-0.2	-6864754	2.3	
20	126.617	1433	2	-2.6	-0.1	-0.5	-0.6	-6797890	3.6	
20	126.917	1432.8	0.7	-3.1	-0.2	0	-0.7	-6625791	5.4	
20	127.217	1432.6	0.5	-3.5	-0.3	0.8	-0.8	-6383384	6.4	
20	127.517	1432.4	1.3	-2.7	-0.2	1.8	-0.9	-6086483	6.7	
20	127.817	1432.6	2.4	-1.8	0.3	3.4	-0.9	-5783840	6.8	
20	128.117	1432.8	2.1	-2.5	0.6	3.6	-0.9	-5495407	6.8	
20	128.417	1432.9	2.7	-1.9	0.8	4.7	-0.9	-5234375	6.9	
20	128.717	1433.5	2.4	-2.5	1.5	4.2	-0.8	-5008972	6.3	
20	129.017	1433.8	3.5	-2.6	1.8	5.2	-0.8	-4835451	5.4	
20	129.317	1434	4.2	-3.5	2.1	5.3	-0.9	-4705057	4.3	
20	129.617	1433.9	4.7	-3.2	2.2	4.8	-1.1	-4611784	3.2	
20	129.917	1433.4	4.9	-3.4	2	3.9	-1.3	-4551631	2.6	
20	130.217	1433	5.1	-2.9	1.5	2.9	-1.4	-4541757	1.7	
20	130.517	1432.9	5.1	-3.6	1.2	2.8	-1.3	-4571507	1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	130.817	1432.6	5.6	-4.6	0.9	2.2	-1.2	-4621965	0.5	
20	131.117	1432.5	5.9	-5	0.2	2.4	-0.9	-4652778	0.1	
20	131.417	1432.6	5.4	-5.8	0	1.3	-0.6	-4663141	-0.1	
20	131.717	1432.8	5.7	-6	-0.4	1	-0.2	-4632191	-0.3	
20	132.017	1433	5.8	-6	-0.3	0.1	0	-4561547	-0.3	
20	132.317	1433.1	5.8	-5.7	-0.1	-0.2	0.1	-4435911	-0.2	
20	132.617	1433.1	5.4	-7.9	0.1	-0.9	0.1	-4281698	-0.1	
20	132.917	1433.1	5.1	-7.2	0.2	-1	0.1	-4105393	0.2	
20	133.217	1433	5	-6.2	0.4	-1.1	-0.1	-3906250	0.6	
20	133.517	1432.9	4.8	-7.1	0.6	-1.4	-0.3	-3699205	1.1	
20	133.817	1432.7	4.4	-7	0.8	-1.3	-0.7	-3518908	1.8	
20	134.117	1432.9	4.6	-6.7	1.1	-0.6	-0.9	-3355369	2.3	
20	134.417	1432.7	6.1	-4.6	1.1	1	-1.1	-3221154	2.8	
20	134.717	1432.9	6.7	-3.2	1.4	1.2	-1.1	-3097264	3.3	
20	135.017	1432.9	7.2	-3.1	1.5	2.3	-1.2	-2978308	3.8	
20	135.317	1432.8	7.4	-2.1	1.6	2.5	-1.3	-2876031	4.1	
20	135.617	1432.8	7.7	-1.7	1.6	3.2	-1.3	-2795394	4.3	
20	135.917	1432.8	8.6	0.2	1.5	4.1	-1.3	-2736929	4.4	
20	136.217	1432.6	9.5	0.7	1.4	4.4	-1.4	-2705104	4.5	
20	136.517	1432.6	9.3	0.5	1.2	4	-1.5	-2691196	4.5	
20	136.817	1432.3	9.9	1.3	1.5	3.4	-1.9	-2705104	4.3	
20	137.117	1432.1	11.8	3.8	1.6	4.8	-2.3	-2733356	4.2	
20	137.417	1432	12	4.6	1.7	4	-2.6	-2776857	4	
20	137.717	1432	12.9	5.5	1.8	4.5	-2.8	-2837060	3.9	
20	138.017	1432.1	12.6	6.1	1.9	3.8	-2.9	-2903953	3.8	
20	138.317	1432.4	12.9	7.4	2.1	3.1	-2.9	-2969859	3.5	
20	138.617	1432.6	14.7	10.5	2.2	3.1	-2.8	-3030029	3	
20	138.917	1432.8	14.9	11.8	1.9	3.3	-2.5	-3079045	2.7	
20	139.217	1432.8	15.4	13.4	1.6	2.9	-2.1	-3115700	2.5	
20	139.517	1432.7	15.7	15	1.2	2	-1.7	-3139056	2	
20	139.817	1432.8	16.7	16.2	0.8	1.8	-1.1	-3153238	1.5	
20	140.117	1433.2	17.2	15.9	0.5	1.3	-0.4	-3167550	1	
20	140.417	1433.4	17.6	15.2	0.4	1	0.1	-3181991	0.6	
20	140.717	1433.7	18	15.9	0.3	1.3	0.4	-3196565	-0.1	
20	141.017	1433.9	19.7	17	0.2	1.1	0.5	-3216206	-0.6	
20	141.317	1434.2	19.2	16.8	0.4	0.2	0.4	-3231096	-1	
20	141.617	1434.4	20.1	16.6	0.7	0.6	0.1	-3256221	-1.2	
20	141.917	1434.4	19.6	15.4	1.1	-0.3	-0.3	-3286892	-1.4	
20	142.217	1434.2	20.9	16.2	1.5	-0.5	-0.8	-3323413	-1.7	
20	142.517	1434.1	20.9	16	1.9	-0.9	-1.2	-3360755	-2	
20	142.817	1433.7	21.8	16.7	1.8	0.2	-1.6	-3393436	-2.1	
20	143.117	1433.6	20.3	15.2	2.2	-2.1	-2.1	-3415580	-2.1	
20	143.417	1433.7	21.4	15.8	2.5	-1.3	-2.4	-3426760	-1.3	
20	143.717	1433.9	21	15.1	2.4	-0.8	-2.3	-3415580	-0.2	
20	144.017	1434.3	21.2	15.8	2.5	0.1	-2.2	-3377017	0.7	
20	144.317	1434.4	21.3	15.6	2.4	0.2	-2.1	-3297245	1.7	
20	144.617	1434.1	22.6	16.8	2	3	-2.1	-3206356	3	
20	144.917	1433.7	22.3	16.5	1.4	2.8	-2	-3101852	4.5	
20	145.217	1433.6	21.4	16	1.2	3.4	-1.8	-2999642	5.7	
20	145.517	1433.3	22.6	17.5	0.6	5.8	-1.6	-2903953	6.3	
20	145.817	1433.2	23.1	18.1	0.1	5.7	-1.3	-2814181	6.5	
20	146.117	1433.4	24	19.2	-0.2	6.4	-0.8	-2736929	6.5	
20	146.417	1433.6	23.5	19.1	-0.4	4.7	-0.6	-2677430	5.9	
20	146.717	1433.9	25.9	21.3	-0.3	6.7	-0.2	-2640291	5.3	
20	147.017	1434.3	24.4	18.3	0	3.4	0.1	-2627039	4.6	
20	147.317	1434.5	27.2	20.5	0.2	5.3	0.4	-2636965	4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	147.617	1434.8	25.6	18.4	0.4	3.2	0.7	-2657044	3.6	
20	147.917	1435	25.9	18.5	0.6	2.4	0.8	-2680858	3	
20	148.217	1435.1	26.3	18.6	0.8	2	0.7	-2708603	2.6	
20	148.517	1435	27.2	18.6	0.8	1.6	0.5	-2729792	2.4	
20	148.817	1434.8	28.2	18.7	0.7	2.3	0.3	-2733356	2.3	
20	149.117	1434.5	27.7	18.4	0.5	0.4	0	-2715630	2.5	
20	149.417	1434.4	28.6	18.7	0.6	3.1	-0.4	-2674011	2.6	
20	149.717	1434.1	29.4	17.6	0.6	1.9	-0.8	-2613921	2.6	
20	150.017	1433.9	30.7	18.7	0.4	3.7	-1	-2528684	2.6	
20	150.317	1433.8	30.4	17.5	0.2	2.8	-1.1	-2428945	2.6	
20	150.617	1434	30.7	18.1	0.3	2.4	-1	-2321231	2.5	
20	150.917	1434.1	31.9	19	0.3	3.4	-0.8	-2217956	2.3	
20	151.217	1434	33	18.3	0.2	3	-0.6	-2125635	2	
20	151.517	1434	33.6	18.7	0.2	3.9	-0.1	-2042684	1.9	
20	151.817	1434.2	31.8	16.4	0.4	1.1	0.4	-1969662	1.7	
20	152.117	1434.2	33	17.3	0.4	1.5	0.7	-1906877	1.3	
20	152.417	1434.2	33.7	17	0.5	1.8	0.8	-1856162	1.1	
20	152.717	1434.4	34.4	17.2	0.7	2.1	0.7	-1814342	0.9	
20	153.017	1434.3	35.3	17.7	0.5	2.7	0.5	-1780401	0.8	
20	153.317	1434.3	34.3	16.3	0.7	0.3	0.1	-1753560	0.7	
20	153.617	1433.9	35.7	16	0.9	1.3	-0.5	-1733238	0.6	
20	153.917	1433.3	35.6	16.4	1.1	0.7	-1.4	-1711980	0.3	
20	154.217	1432.5	36.2	16.1	1	2.2	-2.4	-1693973	0.1	
20	154.517	1432.1	36.3	16.7	0.8	2.2	-2.9	-1680378	0.1	
20	154.817	1432	35.2	14.3	0.8	0.2	-3.3	-1672325	0.1	
20	155.117	1432.2	36.1	15.2	1.1	1	-3.5	-1668328	0	
20	155.417	1432.6	36.1	14.3	1.5	0.7	-3.6	-1665673	-0.2	
20	155.717	1432.8	37.4	17.1	1.5	2.2	-3.6	-1663027	-0.4	
20	156.017	1433	37.1	15.7	1.7	0.5	-3.4	-1657760	-0.5	
20	156.317	1433.3	36.7	15.7	2.2	0.3	-3.1	-1649922	-0.4	
20	156.617	1433.6	36.5	15.3	2.5	0.3	-2.6	-1638303	-0.2	
20	156.917	1434.2	35.4	14.1	2.9	-0.9	-2.3	-1620550	-0.1	
20	157.217	1434.7	36.6	14	3.2	0.6	-2	-1597064	0	
20	157.517	1434.8	35.8	13.5	3.3	-0.4	-2	-1568353	0.5	
20	157.817	1435.1	35.2	13.8	3.4	-0.4	-2.1	-1533884	1.1	
20	158.117	1435.5	35.2	12.6	3.7	-1	-2.1	-1496606	1.4	
20	158.417	1435.6	36.4	13.3	3.9	0.2	-2.3	-1457030	1.6	
20	158.717	1435.2	36.5	12.5	3.8	0.6	-2.7	-1417570	1.9	
20	159.017	1435	35.9	12.4	3.8	0.8	-3	-1379283	2.2	
20	159.317	1435	36.2	10.3	4	2	-3.3	-1343010	2.5	
20	159.617	1435	36.7	12.3	4	2.2	-3.5	-1310233	2.7	
20	159.917	1434.8	37.2	10	4.1	3.2	-3.8	-1281366	2.7	
20	160.217	1435	37.4	11.8	4.2	3.8	-3.8	-1256000	2.8	
20	160.517	1435	37.9	12	4.3	4	-3.9	-1233796	2.8	
20	160.817	1435	38.4	12.1	4.4	3.8	-3.8	-1214473	2.7	
20	161.117	1434.9	38.9	11.7	4.5	4.2	-3.6	-1195747	2.6	
20	161.417	1434.7	38.1	9.9	4.7	3.5	-3.6	-1177589	2.6	
20	161.717	1434.5	37.9	10.2	4.8	3	-3.7	-1156769	2.8	
20	162.017	1434.2	37.8	9.2	4.8	3.7	-3.8	-1133596	3.4	
20	162.317	1434.2	37.7	8.3	4.9	4.2	-3.8	-1108392	3.8	
20	162.617	1434.1	37.5	6.8	4.8	3.8	-3.8	-1082602	4	
20	162.917	1433.7	38.1	7.7	4.3	4.9	-3.8	-1056917	4.3	
20	163.217	1433.2	38.1	7.4	3.9	5	-3.9	-1031914	4.7	
20	163.517	1432.8	38	6.1	3.7	5.2	-3.8	-1009038	4.8	
20	163.817	1432.1	38.5	5.5	2.9	6.1	-3.8	-990423	4.4	
20	164.117	1431.8	39.1	5.5	2.2	6.1	-3.5	-977020	3.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	164.417	1431.4	38.2	6.4	1.4	4.9	-3.1	-970229	2.8	
20	164.717	1431.4	37.4	4.4	1	3.3	-2.7	-966645	2	
20	165.017	1431.3	37.9	4.2	0.5	3.3	-2.3	-966199	0.9	
20	165.317	1431.3	37.1	2.7	0.4	1	-2	-967986	0.1	
20	165.617	1431.3	37.3	2	0.4	0.4	-1.8	-971129	-1	
20	165.917	1431	36.3	2	0.2	-1.2	-1.7	-975200	-1.3	
20	166.217	1431.3	35.5	-0.2	0.6	-2.2	-1.4	-978389	-1.5	
20	166.517	1431.6	35.3	-0.3	1.1	-3.1	-1.5	-980222	-1.6	
20	166.817	1431.9	34.4	-1.8	1.8	-3.2	-1.6	-978847	-1.4	
20	167.117	1432	34.5	-1.8	2.1	-1.9	-1.8	-975200	-0.8	
20	167.417	1432.2	33.6	-1.6	2.6	-2.9	-2	-968882	-0.1	
20	167.717	1432.2	34.3	-1.8	2.9	-1.2	-2.3	-960878	0.4	
20	168.017	1432.3	33.7	-2.4	3.2	-1.2	-2.6	-952572	1.3	
20	168.317	1432.2	34.3	-3.1	3.6	0.4	-3.1	-943557	1.9	
20	168.617	1432.1	33.8	-3.3	3.6	1.1	-3.5	-935547	3	
20	168.917	1432.2	34.5	-2.2	3.8	2.1	-3.8	-928906	3.6	
20	169.217	1432.1	34.2	-2.3	3.6	3.1	-4.1	-922765	4.2	
20	169.517	1431.9	33.9	-1.5	3.5	2.9	-4.3	-916705	4.8	
20	169.817	1431.9	34.9	-1.7	3.6	4.4	-4.4	-908747	5	
20	170.117	1431.9	34.7	-1.1	3.6	4.2	-4.3	-899765	5.2	
20	170.417	1432.1	35.2	0	3.6	5.2	-4.1	-889445	5.2	
20	170.717	1432.5	35.2	0	3.7	4.2	-3.7	-878990	5.1	
20	171.017	1432.7	36	-0.4	3.7	4.6	-3.5	-868057	4.4	
20	171.317	1432.9	36.7	0.2	3.6	4.5	-3.3	-856341	4	
20	171.617	1433.2	36.3	0.4	3.9	3.7	-3.3	-846646	3.3	
20	171.917	1433.4	37.1	0.9	4.1	4.1	-3.3	-839853	2.8	
20	172.217	1433.3	37.4	0.7	4.2	3.4	-3.5	-837837	2.5	
20	172.517	1433.1	37.2	0	4.1	2.9	-3.7	-840865	2.2	
20	172.817	1432.9	36.8	-0.6	4.1	1.8	-4	-849049	1.6	
20	173.117	1432.8	37.9	0	4.2	2.8	-4.3	-860211	1	
20	173.417	1432.8	37.8	-0.6	4.3	1.6	-4.5	-873489	0.5	
20	173.717	1432.9	38	-0.9	4.4	1.4	-4.4	-888313	0.1	
20	174.017	1433	37.6	-0.5	4.3	1.4	-4.3	-903649	0	
20	174.317	1433.4	37.7	-0.2	4.4	1.1	-3.9	-916705	-0.3	
20	174.617	1433.4	38.2	0.4	4.2	1.6	-3.7	-926030	-0.4	
20	174.917	1433.5	38.3	0.6	4.2	1.5	-3.4	-930144	-0.5	
20	175.217	1433.5	37.9	0.4	4.1	1.4	-3.1	-928906	-0.4	
20	175.517	1433.3	37	-1.1	3.9	0.1	-2.9	-923579	-0.4	
20	175.817	1433.3	37.3	-0.8	3.8	0.4	-2.7	-916304	-0.4	
20	176.117	1432.9	36.7	-1.3	3.4	0	-2.7	-907566	-0.4	
20	176.417	1432.7	36.1	-2.4	3.2	0	-2.7	-897836	-0.3	
20	176.717	1432.4	35.6	-3.5	2.7	-0.2	-2.9	-888690	-0.1	
20	177.017	1432.4	35	-3.2	2.8	-0.2	-3.1	-880098	0	
20	177.317	1432.2	35.3	-2.1	2.8	-0.5	-3.4	-872761	0	
20	177.617	1432	35.4	-2.5	2.8	-0.3	-3.8	-866620	-0.1	
20	177.917	1431.8	35	-2.1	3.1	-0.9	-4	-862692	-0.2	
20	178.217	1431.6	35.1	-2.2	3.1	-0.4	-4.2	-860565	-0.3	
20	178.517	1431.6	34.7	-1.6	3.4	-0.5	-4.2	-860919	-0.4	
20	178.817	1431.5	34	-1.5	3.6	-1	-4.3	-862692	-0.5	
20	179.117	1431.7	33.6	-1.7	4.2	-1.2	-4.5	-865903	-0.4	
20	179.417	1432	32.2	-2.2	4.8	-1.9	-4.8	-869861	0	
20	179.717	1432.2	33.2	-1.3	5.5	-0.6	-5.5	-874584	0.5	
20	180.017	1432.4	33.3	-0.3	6	-0.3	-6.1	-879729	1.3	
20	180.317	1432.2	34.3	0	5.8	1.4	-6.5	-884187	2	
20	180.617	1432.2	33.2	-0.5	6	1.3	-6.7	-888313	2.9	
20	180.917	1432	32.9	-1.4	5.9	2.3	-6.8	-890959	4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	181.217	1431.6	32.9	-0.9	5.7	3.4	-6.9	-893621	5	
20	181.517	1431.5	33.2	-1.3	5.1	4.5	-6.4	-895915	5.5	
20	181.817	1431.5	33.2	-1	4.4	5.1	-5.7	-899765	5.7	
20	182.117	1432.2	33.4	-0.5	3.8	4.7	-4.4	-905211	5.3	
20	182.417	1433.1	34.3	-0.6	3.3	4.4	-2.9	-912709	4.4	
20	182.717	1434	34.8	0.1	2.8	3.2	-1.4	-921952	3.6	
20	183.017	1434.3	34.4	-0.8	2.3	1.9	-0.6	-933461	3	
20	183.317	1434.2	34.5	-0.7	1.9	1.3	-0.2	-946971	2.3	
20	183.617	1434.1	35.1	-0.9	1.7	1.3	0.2	-961761	1.5	
20	183.917	1434	34.7	-2	1.6	-0.2	0.2	-976109	0.6	
20	184.217	1433.6	35.4	-0.9	1.6	-0.4	-0.2	-989486	-0.1	
20	184.517	1433.3	34.7	-2.4	1.6	-1.8	-0.8	-1000838	-0.5	
20	184.817	1433	35.3	-2.1	1.8	-1.8	-1.7	-1010499	-0.7	
20	185.117	1432.9	36	-1.2	2.3	-1.1	-2.6	-1017373	-0.7	
20	185.417	1432.9	37.8	1	2.8	0.5	-3.3	-1022340	-0.9	
20	185.717	1432.9	38.1	0.2	3.1	0.4	-3.6	-1026350	-1	
20	186.017	1432.8	37.6	-0.2	3.2	-0.3	-3.9	-1028871	-1.1	
20	186.317	1432.9	37.7	-0.3	3.5	0.1	-3.9	-1031914	-1.1	
20	186.617	1432.9	38.1	0.5	3.6	-0.1	-3.9	-1034974	-1.2	
20	186.917	1432.9	38.7	1	3.7	0.8	-3.9	-1038568	-1.1	
20	187.217	1432.7	38.5	0.3	3.6	0.5	-3.8	-1043225	-0.9	
20	187.517	1432.4	38.1	-0.2	3.4	0.3	-3.7	-1048974	-0.5	
20	187.817	1432.5	38.4	0.5	3.2	0.3	-3.4	-1056384	-0.3	
20	188.117	1432.6	38.9	1.9	3.2	0.6	-3.2	-1063359	0	
20	188.417	1432.8	38.6	1.3	3.2	1.2	-3	-1069332	0.3	
20	188.717	1432.7	38.4	1.7	3.1	1.1	-3	-1072619	0.8	
20	189.017	1432.9	38.5	2.4	3.2	1.6	-2.9	-1073719	1.1	
20	189.317	1432.8	39	3.4	3.1	2.8	-3	-1073719	1.7	
20	189.617	1432.8	39	4	3.2	3	-3	-1073169	2.1	
20	189.917	1432.6	38.6	3.3	3.1	4	-3	-1073719	2.9	
20	190.217	1432.4	37.8	2.4	2.9	3.8	-3.1	-1076480	3.4	
20	190.517	1432.3	38.4	3.4	2.6	4.6	-3	-1080368	3.6	
20	190.817	1432.3	37.8	2.7	2.4	4.1	-3	-1084846	3.7	
20	191.117	1432.3	38.5	3.8	2.2	5.1	-2.8	-1091633	3.7	
20	191.417	1432.2	37.9	3.9	1.8	4.7	-2.7	-1100238	4.1	
20	191.717	1432.5	37	3.4	1.9	4.2	-2.3	-1106635	4.4	
20	192.017	1432.5	37.7	5.5	1.5	5	-1.9	-1110155	4.4	
20	192.317	1432.6	37	3.8	1.6	4.6	-1.6	-1107806	4.5	
20	192.617	1432.6	36.4	3.1	1.8	4.7	-1.4	-1099083	4.5	
20	192.917	1432.8	35.9	1.6	2	4.4	-1.2	-1083723	4.5	
20	193.217	1433	36.2	3	2.2	5.2	-1.1	-1066066	4.5	
20	193.517	1433.1	35.8	2.9	2.6	4.3	-1.1	-1048449	4.4	
20	193.817	1433.2	36.1	3.2	2.7	4.7	-1.2	-1030390	4.1	
20	194.117	1433	35.3	2.1	2.5	4.6	-1.4	-1013924	4	
20	194.417	1432.9	35.1	1.9	2.5	4.3	-1.5	-1000360	3.8	
20	194.717	1432.5	35.1	1.7	2	4.6	-1.7	-989954	3.6	
20	195.017	1432	34.5	0.2	1.8	4.2	-2	-983907	3.2	
20	195.317	1431.7	33.7	-1.1	1.3	3.8	-2.1	-982061	2.9	
20	195.617	1431.4	33.3	-1.1	0.9	3.4	-2.1	-983445	2.4	
20	195.917	1431	33.2	-1.3	0.5	3.1	-2.2	-985296	1.8	
20	196.217	1431.2	33.2	-1.9	0.6	2.1	-2.1	-987620	1.1	
20	196.517	1431.3	32.5	-2.2	1	1.4	-2.1	-989954	0.5	
20	196.817	1431.4	31.6	-3.8	1.5	0.6	-2.2	-992771	0.1	
20	197.117	1431.7	31.2	-3.5	2.1	0.3	-2.2	-996077	0	
20	197.417	1431.9	30.6	-4.7	2.8	-0.4	-2.3	-999882	-0.1	
20	197.717	1432.1	29.7	-6.3	3.2	-0.8	-2.4	-1004680	0	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	198.017	1432.2	28.4	-9.4	3.6	-1.2	-2.7	-1009524	0.5	
20	198.317	1432.3	28	-10.1	4.2	-1.2	-3.1	-1014907	0.8	
20	198.617	1432.1	28.3	-9.3	4.3	-0.3	-3.6	-1020348	1.4	
20	198.917	1431.8	27.9	-9.8	4.3	1.5	-4.1	-1027357	2	
20	199.217	1431.3	27.2	-10.9	3.8	1.8	-4.5	-1034974	3	
20	199.517	1431.1	26.7	-12	3.6	2	-4.9	-1043745	3.5	
20	199.817	1430.9	27.2	-11.3	3.6	3	-5.4	-1052666	3.3	
20	200.117	1431	27.4	-10.7	3.6	3.4	-5.6	-1062819	2.8	
20	200.417	1431.2	26.9	-11.5	3.8	3.4	-5.8	-1074822	1.5	
20	200.717	1431.4	26.8	-12.1	3.9	1.9	-5.9	-1087099	0.2	
20	201.017	1431.7	26.7	-11.9	3.9	1.4	-5.6	-1100816	-0.6	
20	201.317	1432	24.3	-14.1	4.2	-1.6	-5.4	-1114291	-1.3	
20	201.617	1432.6	25.1	-13.4	4.8	-0.9	-5.3	-1128099	-2.4	
20	201.917	1433.1	25.1	-13.9	5.2	-1.4	-5.1	-1141010	-3.2	
20	202.217	1433.6	24.4	-14.6	5.5	-2.6	-4.8	-1151679	-3.7	
20	202.517	1433.8	23.9	-14.7	5.3	-3.3	-4.4	-1159974	-3.7	
20	202.817	1434.1	21.7	-16.1	5.3	-4.8	-4.1	-1166436	-3.5	
20	203.117	1434.4	22.3	-16.1	5.2	-3.1	-3.8	-1171658	-3.1	
20	203.417	1434.6	21.1	-16.7	5	-3.5	-3.5	-1174945	-2.5	
20	203.717	1434.6	21.4	-17.1	5	-1.6	-3.3	-1176927	-1.7	
20	204.017	1434.8	20.1	-17.8	4.8	-2	-3.1	-1176265	-0.9	
20	204.317	1434.9	19.9	-17.1	4.5	-0.8	-3	-1174286	-0.2	
20	204.617	1434.9	19.4	-18.3	4.2	-0.7	-3	-1170348	0.5	
20	204.917	1434.9	19.7	-17.3	4.1	0.8	-3	-1165786	1.2	
20	205.217	1434.7	19.1	-17.3	3.7	2.4	-3	-1163196	2.1	
20	205.517	1434.6	17.7	-18.2	3.4	2	-3	-1159974	2.5	
20	205.817	1434.4	17.5	-18.7	3.1	2.7	-3.2	-1157409	2.8	
20	206.117	1433.9	18.2	-17.6	2.8	3	-3.4	-1156131	3	
20	206.417	1433.6	17.3	-18.8	2.4	3	-3.4	-1156769	3.2	
20	206.717	1433.7	15.8	-19.5	2.4	1.9	-3.3	-1161260	3.2	
20	207.017	1433.8	16.8	-18.3	2.5	3.8	-3.2	-1171658	3.1	
20	207.317	1433.8	16.4	-18.7	2.4	2.6	-3	-1187608	3	
20	207.617	1433.8	15.9	-18.6	2.2	2.1	-2.7	-1208166	3	
20	207.917	1434	14	-19.7	2.3	1	-2.4	-1233070	3.1	
20	208.217	1434.4	14.1	-19.2	2.4	1.9	-2.1	-1265872	3	
20	208.517	1434.4	14.9	-18.3	2.4	1.5	-1.9	-1307778	2.7	
20	208.817	1434.4	14.9	-18.3	2.3	2.1	-1.6	-1359579	2.7	
20	209.117	1434.2	14.3	-18.2	1.9	1.9	-1.4	-1421420	2.8	
20	209.417	1434.1	12.8	-18.8	1.6	0	-1.3	-1491276	2.7	
20	209.717	1433.9	13.8	-17.4	1.3	1.4	-1.3	-1570706	2.4	
20	210.017	1433.9	14.4	-16.2	1.3	1.3	-1.1	-1663027	2.1	
20	210.317	1433.6	14.5	-15.2	0.8	2.4	-0.9	-1765389	1.9	
20	210.617	1433.7	12.9	-15.5	0.6	0	-0.8	-1879489	1.5	
20	210.917	1433.8	14.1	-13.9	0.7	1.1	-0.6	-1999762	1.1	
20	211.217	1433.9	13.7	-14.6	0.7	-0.2	-0.5	-2119181	0.6	
20	211.517	1433.8	14.5	-13.4	0.7	0.6	-0.4	-2236913	0.1	
20	211.817	1433.9	14.2	-13	0.7	0.4	-0.2	-2355175	-0.1	
20	212.117	1433.9	13.3	-13.4	0.8	-1.3	-0.2	-2466137	-0.5	
20	212.417	1433.7	14.4	-12.8	0.8	-0.3	-0.3	-2565871	-0.8	
20	212.717	1433.4	14	-13.4	0.7	-1.7	-0.4	-2646966	-1	
20	213.017	1433.3	14.6	-12.3	0.5	0.5	-0.4	-2708603	-1.1	
20	213.317	1433.1	13.2	-13.6	0.6	-1.6	-0.6	-2751315	-1.2	
20	213.617	1433	14	-12.7	0.6	0	-0.8	-2773179	-1.3	
20	213.917	1432.8	13.7	-10.6	0.8	-1	-1.3	-2780545	-1.4	
20	214.217	1432.7	14.5	-10.6	0.9	0.4	-1.7	-2773179	-1.4	
20	214.517	1432.7	14.3	-10.8	1.1	0.9	-2.1	-2758564	-1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	214.817	1432.6	13.5	-10.9	1.2	0.1	-2.4	-2740511	-1.3	
20	215.117	1432.7	14.8	-9.1	1.4	2.1	-2.4	-2729792	-1.3	
20	215.417	1432.7	13.1	-8.6	1.6	0.4	-2.6	-2726238	-1.1	
20	215.717	1432.5	13	-9.3	1.4	1.7	-2.5	-2733356	-0.2	
20	216.017	1432.5	11.7	-9.4	1.3	1.2	-2.4	-2758564	0.5	
20	216.317	1432.8	12	-9.4	1.2	2.7	-2	-2799132	1.3	
20	216.617	1433.1	11.1	-9	1	2.2	-1.4	-2852521	2.1	
20	216.917	1433.6	11	-8.9	0.8	3.5	-0.6	-2916087	3.3	
20	217.217	1434	9.9	-9.5	0.6	4.4	0.2	-2991072	4.6	
20	217.517	1434	8.8	-10.9	0.1	3.5	0.7	-3070015	5.5	
20	217.817	1434	8.5	-10.6	-0.2	4.3	1.1	-3153238	5.8	
20	218.117	1434.1	9.1	-8.6	-0.5	4.9	1.7	-3231096	5.7	
20	218.417	1434.2	8	-9.5	-0.7	4.3	2.2	-3312896	5.2	
20	218.717	1434.3	7.5	-10.7	-0.9	3	2.5	-3410017	4.2	
20	219.017	1434.3	7.4	-9.9	-1.3	2.9	2.6	-3513004	3.2	
20	219.317	1434.1	7.3	-8.5	-1.5	2.1	2.4	-3622405	2.3	
20	219.617	1433.9	6.6	-10.2	-1.7	1.3	2.2	-3752241	1.6	
20	219.917	1433.6	6.8	-9.6	-1.8	1.4	2	-3898976	0.8	
20	220.217	1433.4	6.9	-9	-1.5	0.8	1.7	-4049807	-0.1	
20	220.517	1433.4	6.7	-7.3	-1.1	-0.2	1.4	-4204318	-0.6	
20	220.817	1432.9	6.1	-8	-1	-0.2	0.8	-4361980	-0.8	
20	221.117	1432.7	5.4	-9.5	-0.7	-0.5	0.3	-4512393	-0.8	
20	221.417	1432.8	4.2	-10.7	0	-1.5	-0.2	-4642462	-0.7	
20	221.717	1432.9	3.9	-10.4	0.6	-1.6	-0.6	-4736991	-0.6	
20	222.017	1432.9	3.9	-8.9	1.3	-1.2	-1.1	-4791190	-0.5	
20	222.317	1432.8	3.6	-10.2	1.8	-1.2	-1.5	-4824309	-0.2	
20	222.617	1432.5	3.4	-11	1.8	-1	-1.9	-4835451	0.2	
20	222.917	1432.2	3.4	-11.1	1.8	-0.6	-2.3	-4824309	0.7	
20	223.217	1431.9	3	-9.9	1.8	-0.3	-2.6	-4758523	1.3	
20	223.517	1431.8	2.6	-11.5	1.9	-0.2	-2.9	-4705057	1.7	
20	223.817	1431.7	2.6	-11.1	1.8	0.9	-3.1	-4642462	2.2	
20	224.117	1431.6	2.5	-12	1.7	0.9	-3.3	-4601649	2.6	
20	224.417	1431.5	2.5	-11.7	1.7	1.2	-3.4	-4561547	3	
20	224.717	1431.5	2.3	-11	1.7	1.8	-3.5	-4541757	3.6	
20	225.017	1431.7	2.2	-12.2	1.8	1.9	-3.3	-4522139	3.8	
20	225.317	1432.1	2.7	-11.3	2.1	2.3	-3.1	-4493026	3.9	
20	225.617	1432.5	3	-11.6	2.3	2.9	-2.8	-4464286	4	
20	225.917	1432.9	3.6	-9.6	2.5	3.5	-2.5	-4426533	3.9	
20	226.217	1433.1	3.6	-10.4	2.5	3.5	-2.3	-4417194	3.8	
20	226.517	1433.5	4.4	-9.3	2.6	4.1	-2	-4417194	3.2	
20	226.817	1433.6	4.6	-9.9	2.5	4	-1.7	-4407895	2.8	
20	227.117	1433.8	4.6	-9.7	2.5	3.8	-1.4	-4380230	2.3	
20	227.417	1433.8	4.7	-8.8	2.3	3.5	-1.2	-4325930	1.9	
20	227.717	1434	5.1	-9.7	2.1	3.3	-0.9	-4281698	1.3	
20	228.017	1434	5.2	-7.9	1.8	3	-0.8	-4246958	0.9	
20	228.317	1434	5.3	-7.7	1.3	2.2	-0.5	-4204318	0.6	
20	228.617	1434.2	5.2	-6.5	1.1	2.1	-0.1	-4146040	0.4	
20	228.917	1434.2	4.5	-7.5	0.7	0.9	0.2	-4081384	0.3	
20	229.217	1434.1	4.3	-6.8	0.4	0.4	0.4	-4011016	0	
20	229.517	1434	3.9	-7.1	-0.2	0	0.7	-3957940	-0.1	
20	229.817	1433.8	4	-5.9	-0.4	0	0.8	-3913552	-0.2	
20	230.117	1433.5	3.5	-5.3	-0.8	-0.7	0.9	-3870148	-0.2	
20	230.417	1433.5	3.2	-5.3	-0.9	-0.8	1	-3841744	-0.2	
20	230.717	1433.4	3.8	-5.3	-1	0.7	1	-3820712	-0.3	
20	231.017	1433.4	3.3	-4.7	-1.2	0.2	1	-3827697	-0.3	
20	231.317	1433.2	3.3	-4.2	-1.2	0.6	0.8	-3855894	-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	231.617	1433.1	3.2	-4.2	-1.1	0.4	0.5	-3898976	-0.4	
20	231.917	1433.2	2.9	-4.4	-0.8	0.5	0.3	-3950472	-0.4	
20	232.217	1433	2.9	-3.7	-0.8	0.7	0.1	-4026443	-0.4	
20	232.517	1432.8	2.9	-3.9	-0.5	0.8	-0.2	-4121555	-0.4	
20	232.817	1432.8	2.3	-4.6	-0.2	0.7	-0.5	-4238361	-0.3	
20	233.117	1432.8	0.2	-6.5	0.3	0.3	-1	-4389413	1.6	
20	233.417	1433	0.4	-5.7	0.6	1	-1.1	-4561547	2.1	
20	233.717	1433.1	0.3	-5.1	1	1.1	-1.4	-4747733	2.2	
20	234.017	1433.4	0.5	-3.7	1.7	1.3	-1.7	-4949764	2.3	
20	234.317	1433.4	0	-3.9	2	1.3	-2.1	-5182550	3.2	
20	234.617	1433.6	-0.4	-4.3	2.6	1.1	-2.3	-5410207	3.7	
20	234.917	1433.5	-0.1	-3.7	2.8	1.3	-2.6	-5643531	4.2	
20	235.217	1433.5	-0.7	-4.1	2.9	1.3	-2.7	-5848464	4.6	
20	235.517	1433.6	-0.8	-4.2	3.2	2.1	-2.9	-6016523	4.7	
20	235.817	1433.5	-0.4	-3.4	3.1	2.1	-2.9	-6140030	4.8	
20	236.117	1433.7	-0.5	-3.1	2.8	1.7	-2.5	-6212908	4.5	
20	236.417	1433.6	-0.2	-2.8	2.1	1.7	-2	-6306476	4	
20	236.717	1433.7	0.8	-1.7	1.7	1.6	-1.5	-6383384	2.8	
20	237.017	1433.6	1.5	-1	1	1.6	-0.9	-6442308	2	
20	237.317	1433.7	2.6	0.3	0.6	1.4	-0.4	-6502329	0.8	
20	237.617	1433.8	2.9	0.7	0.2	1.3	0.2	-6542969	-0.1	
20	237.917	1433.7	3.4	0.7	-0.5	1.2	0.7	-6563480	-0.7	
20	238.217	1433.6	4.2	1.2	-1	0.6	1.2	-6563480	-1.7	
20	238.517	1433.6	4.2	0.6	-1.4	0	1.5	-6542969	-2.2	
20	238.817	1433.7	3.7	0.1	-1.4	-0.3	1.7	-6462192	-2.3	
20	239.117	1433.6	4	-0.4	-1.6	-0.8	1.7	-6325529	-2.3	
20	239.417	1433.5	4.1	-0.5	-1.5	-1.2	1.7	-6158088	-2.1	
20	239.717	1433.6	4	-0.6	-1.3	-1.3	1.6	-5948154	-1.9	
20	240.017	1433.4	3.7	-1	-1.3	-1.2	1.4	-5767907	-1.2	
20	240.317	1433.4	3.7	-1.4	-1.1	-0.4	1.3	-5598262	-0.7	
20	240.617	1433.4	4.2	-1	-0.8	-0.2	1.1	-5438312	-0.5	
20	240.917	1433.3	4.5	-0.8	-0.7	0.4	0.9	-5314087	-0.2	
20	241.217	1433.3	3.6	-1.6	-0.6	0.1	0.7	-5221322	-0.1	
20	241.517	1433.3	4.2	-0.3	-0.3	0.8	0.4	-5157020	-0.1	
20	241.817	1433	4.8	0.5	-0.3	1.2	0.1	-5119193	-0.1	
20	242.117	1432.9	4.2	0.3	-0.2	0.7	-0.1	-5094283	-0.1	
20	242.417	1432.7	4.4	0.4	-0.2	1.2	-0.3	-5069613	0	
20	242.717	1432.7	3.3	-0.2	0	0.5	-0.5	-5069613	0.2	
20	243.017	1432.7	3.6	0.4	0.1	1	-0.6	-5081918	0.6	
20	243.317	1432.7	3.6	-0.2	0.2	1.2	-0.8	-5144349	0.9	
20	243.617	1432.7	3.1	-0.2	0.3	1.5	-1.1	-5221322	1.3	
20	243.917	1432.8	2.7	-0.6	0.5	1.5	-1.3	-5327608	2.1	
20	244.217	1433	2.8	-0.4	0.9	1.6	-1.4	-5524407	2.5	
20	244.517	1432.8	2.7	-0.2	1.1	2.1	-1.7	-5848464	2.9	
20	244.817	1432.9	2.6	-0.3	1.4	2.3	-1.9	-6306476	3.3	
20	245.117	1433	2.3	-0.6	1.6	2.9	-2	-6955980	3.6	
20	245.417	1433	2.2	-0.1	1.7	3	-2.1	-7783457	3.9	
20	245.717	1433.3	2.1	1.9	2.1	3.4	-2.1	-8834388	4	
20	246.017	1433.7	2.2	1.8	2.5	3.7	-2.1	-1E+07	3.9	
20	246.317	1434	2.3	2	2.4	3.9	-1.8	-1.1E+07	3.8	
20	246.617	1434.1	2.5	2	2.2	3.9	-1.6	-1.2E+07	3.6	
20	246.917	1434	2.7	2.7	2.1	3.8	-1.4	-1.3E+07	3.6	
20	247.217	1434.2	2.7	3.1	2	3.8	-1.1	-1.2E+07	3.4	
20	247.517	1434	2.6	2.7	1.8	3.6	-1	-1.2E+07	3.3	
20	247.817	1434	2.5	3.2	1.6	3.7	-0.8	-1E+07	3.3	
20	248.117	1433.8	1.8	2.6	1.3	2.8	-0.8	-9024785	3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	248.417	1433.8	1.7	2.1	0.9	2.2	-0.6	-7812500	3.1	
20	248.717	1434	1.6	2.1	0.8	2.3	-0.5	-6820033	3	
20	249.017	1434	1.6	1.8	0.8	1.9	-0.5	-6033862	2.7	
20	249.317	1433.7	2.2	1.4	0.8	2.5	-0.5	-5424223	2.6	
20	249.617	1433.6	1.9	0.4	0.7	2.2	-0.5	-4949764	2.3	
20	249.917	1433.5	2.2	-0.4	0.6	2.7	-0.3	-4581510	2.2	
20	250.217	1433.4	2	-0.9	0.4	2.5	-0.2	-4299282	2.1	
20	250.517	1433.4	2.2	-1.2	0.5	2.2	-0.1	-4073444	1.3	
20	250.817	1433.3	2.9	-1.3	0.3	2.7	0.1	-3884509	0.9	
20	251.117	1433.4	2.3	-1.9	0.1	2	0.3	-3725534	0.6	
20	251.417	1433.3	2.2	-1.5	0.1	1.9	0.3	-3572953	0.4	
20	251.717	1432.8	1.9	-2.1	-0.3	1.2	0.2	-3438014	0.5	
20	252.017	1432.6	1.3	-2.8	-0.5	0.5	0.1	-3312896	0.7	
20	252.317	1432.4	0.8	-3.2	-0.6	0.6	-0.1	-3201453	1.4	
20	252.617	1432.4	0.7	-3	-0.7	1.4	-0.2	-3120343	2.1	
20	252.917	1432.2	0.7	-3	-0.8	1.8	-0.4	-3065520	2.8	
20	253.217	1432	0.5	-3.7	-0.8	2.2	-0.5	-3038825	3.8	
20	253.517	1432	0.1	-4.4	-0.8	3	-0.5	-3043242	4.5	
20	253.817	1431.8	-0.2	-3.8	-0.7	3.5	-0.6	-3092689	5	
20	254.117	1432.1	0.1	-4.1	-0.4	4.4	-0.3	-3186835	4.9	
20	254.417	1432.4	1	-3.8	-0.3	4.6	0	-3323413	3.8	
20	254.717	1432.8	0.9	-3.3	-0.1	4.5	0.3	-3507119	3.2	
20	255.017	1433.2	0.7	-3.7	-0.1	3.5	0.5	-3732175	2.4	
20	255.317	1433.5	1.2	-2.1	0.3	2.6	0.5	-3980514	1.3	
20	255.617	1433.3	1.3	-2.3	0.4	1.9	0.3	-4238361	0.5	
20	255.917	1433.1	0.9	-2.7	0.5	0.8	0.1	-4493026	-0.3	
20	256.217	1433	0.4	-2.7	0.9	0.1	-0.2	-4715653	-0.7	
20	256.517	1432.9	-0.7	-3.4	1	-1.1	-0.5	-4846644	-0.9	
20	256.817	1432.8	-1	-3.8	1.5	-2	-1	-4903396	-0.9	
20	257.117	1432.8	-1.6	-4.3	1.7	-1.9	-1.3	-4891940	-0.5	
20	257.417	1433.1	-1.5	-4.1	2.1	-1.5	-1.6	-4802179	-0.3	
20	257.717	1433.2	-1	-3.3	2.3	-1	-2	-4694507	0.1	
20	258.017	1433.2	-0.8	-3	2.6	-0.5	-2.3	-4571507	0.5	
20	258.317	1433.1	-0.5	-2.6	2.8	-0.2	-2.4	-4454788	0.7	
20	258.617	1432.7	-0.7	-2.9	2.6	0.3	-2.4	-4352911	1.1	
20	258.917	1432.6	-1.1	-3.4	2.6	1.2	-2.3	-4272960	1.4	
20	259.217	1432.2	-0.7	-3.2	2.3	1.7	-2.2	-4229798	1.6	
20	259.517	1432	-1.3	-4	2.2	2	-2	-4229798	1.8	
20	259.817	1432	-1.4	-4.1	2	1.6	-1.8	-4255590	1.8	
20	260.117	1432.2	-1.1	-3.7	1.9	1.8	-1.6	-4281698	1.8	
20	260.417	1432.4	-0.9	-3.4	1.8	1.7	-1.4	-4290472	1.6	
20	260.717	1432.2	-0.1	-1.9	1.6	1.6	-1.4	-4281698	1.4	
20	261.017	1432	-0.3	-2	1.5	1.8	-1.4	-4229798	1.4	
20	261.317	1431.6	-1.2	-2.8	1.4	0.8	-1.7	-4146040	1.3	
20	261.617	1431.3	-0.6	-2.2	1.3	1.5	-1.9	-4034201	1.3	
20	261.917	1430.8	-1.4	-3.6	1	0.9	-2.2	-3913552	1.2	
20	262.217	1430.6	-0.9	-2.8	0.8	1.8	-2.3	-3786167	1.3	
20	262.517	1430.6	-1.3	-3.5	0.3	1.2	-2	-3660403	1.3	
20	262.817	1430.9	-1.2	-3.2	0.2	1.2	-1.7	-3542725	1.2	
20	263.117	1431	-0.1	-2.3	0	2	-1.2	-3443668	1.3	
20	263.417	1431.1	-0.6	-3.5	-0.3	1.4	-0.7	-3355369	1.4	
20	263.717	1431.3	-0.4	-2.7	-0.4	2.2	0	-3271485	1.5	
20	264.017	1431.7	-0.9	-3.1	-0.4	1.7	0.7	-3196565	1.4	
20	264.317	1432.1	-1	-2.9	-0.5	2.6	1.3	-3115700	1.7	
20	264.617	1432.3	-1.4	-2.7	-0.5	2	1.6	-3030029	1.7	
20	264.917	1432.5	-1.4	-2.2	-0.5	1.6	1.7	-2940661	1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	265.217	1432.3	-1.5	-2.2	-0.8	1.4	1.5	-2856413	1.7	
20	265.517	1432.2	-1.6	-2.3	-0.6	0.8	1.1	-2784243	1.7	
20	265.817	1432.1	-1	-1.5	-0.3	2	0.7	-2726238	1.6	
20	266.117	1431.9	-1.1	-1.2	-0.2	1.8	0.1	-2687741	1.6	
20	266.417	1431.5	-1.8	-1.6	-0.1	1.2	-0.6	-2670600	1.7	
20	266.717	1431.8	-2.5	-2.6	0.3	1.2	-1.1	-2670600	1.9	
20	267.017	1431.9	-2.5	-3.5	0.4	1	-1.5	-2698132	1.9	
20	267.317	1432	-1.3	-2.2	0.7	2.6	-1.9	-2744103	1.8	
20	267.617	1432.2	-1.2	-1.9	0.9	2.4	-2	-2810403	1.6	
20	267.917	1432.4	-1.3	-2.5	1.2	2.2	-2	-2899931	1.5	
20	268.217	1432.4	-2.2	-3.5	1.2	1.1	-2	-3012590	1.4	
20	268.517	1432.6	-2.1	-3	1.4	1.3	-1.7	-3139056	1.2	
20	268.817	1432.7	-1.8	-2.2	1.5	1.7	-1.4	-3276605	1	
20	269.117	1433.2	-2.7	-2	1.6	1.1	-1	-3426760	0.6	
20	269.417	1433.6	-1.9	-0.9	1.4	1.6	-0.5	-3603701	0.4	
20	269.717	1434	-2.7	-1.1	1.5	0.4	-0.2	-3793026	0.4	
20	270.017	1434.3	-2.6	-1.1	1.5	0.3	0	-4003346	0.5	
20	270.317	1434.3	-2.5	-1.5	1.6	0.5	-0.1	-4229798	0.9	
20	270.617	1434.2	-2.8	-2	1.6	0.8	-0.2	-4473825	1.4	
20	270.917	1433.9	-3.4	-2.9	1.5	1	-0.5	-4758523	2.3	
20	271.217	1433.7	-3.2	-2.5	1.7	1.5	-0.7	-5045181	2.8	
20	271.517	1433.4	-3.9	-2.8	1.8	1.6	-1.1	-5382391	3.3	
20	271.817	1433.5	-3.8	-3.1	2.2	1.8	-1.4	-5720629	3.8	
20	272.117	1433.5	-4.2	-2.9	2.4	1.9	-1.7	-6068841	3.9	
20	272.417	1433.4	-3.7	-2.3	2.6	2.2	-2	-6363982	3.8	
20	272.717	1433.2	-2.9	-1.8	2.5	2.9	-2.1	-6522586	3.6	
20	273.017	1433.2	-2.3	-1.4	2.5	2.7	-2.1	-6522586	2.7	
20	273.317	1433.1	-2.2	-2.1	2.5	2.4	-2.1	-6344697	2.2	
20	273.617	1432.8	-1.9	-1.6	2.1	2.2	-2.1	-6051301	1.6	
20	273.917	1432.3	-1.7	-0.5	1.6	2.2	-2.1	-5628360	1.1	
20	274.217	1431.9	-1.8	-1.2	1	1.7	-2	-5157020	1	
20	274.517	1431.7	-1.8	-0.4	0.5	1.8	-1.9	-4673549	0.7	
20	274.817	1431.3	-1.5	-0.6	0.1	1.3	-1.8	-4229798	0.3	
20	275.117	1431.3	-2	-0.7	-0.1	0.8	-1.6	-3834707	0.3	
20	275.417	1431.5	-1.9	-0.7	-0.2	0.3	-1.4	-3507119	0.3	
20	275.717	1431.6	-1.4	-1.3	-0.1	0.3	-1.3	-3241100	0.3	
20	276.017	1432	-1.9	-1.3	0.2	0.2	-1	-3025651	0.5	
20	276.317	1432.3	-1.8	-1.4	0.6	0	-0.7	-2868151	0.5	
20	276.617	1432.4	-1.2	-0.3	0.8	0.9	-0.5	-2765853	0.6	
20	276.917	1432.7	-1.7	-0.7	0.7	0.5	-0.2	-2708603	0.6	
20	277.217	1432.7	-1.3	0.1	0.9	0.7	0	-2691196	1	
20	277.517	1432.8	-2.1	-0.7	0.8	0.5	0.2	-2719156	1.2	
20	277.817	1432.9	-1.6	-0.1	0.7	0.8	0.3	-2799132	1.1	
20	278.117	1432.8	-0.6	1	0.3	1.5	0.4	-2940661	1.3	
20	278.417	1432.8	-1.3	-0.3	0	1.4	0.4	-3134357	1.3	
20	278.717	1432.5	-1	0.1	-0.5	1.6	0.4	-3355369	1.5	
20	279.017	1432.3	-1.2	0.6	-0.8	1.5	0.5	-3579060	1.9	
20	279.317	1432.6	-1.4	1.1	-0.9	1.5	0.8	-3779333	2	
20	279.617	1432.3	-0.6	1.9	-1.3	2.1	0.9	-3935621	2.1	
20	279.917	1432.4	-0.9	0.4	-1.4	2.3	1.1	-4049807	2.1	
20	280.217	1432.4	-0.6	0.6	-1.5	2.3	1.2	-4089356	2.1	
20	280.517	1432.6	-0.3	1	-1.3	2.1	1.3	-4049807	2.1	
20	280.817	1432.9	-0.9	1.3	-1.1	2.2	1.4	-3972961	2.1	
20	281.117	1432.9	-0.3	1.8	-0.5	2.2	1.1	-3898976	2	
20	281.417	1432.9	-0.4	1.4	-0.2	2.6	0.9	-3848806	1.9	
20	281.717	1432.8	-0.1	2.6	-0.1	2.8	0.4	-3848806	1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	282.017	1432.8	0.1	2	0.6	2.1	-0.1	-3884509	1.4	
20	282.317	1432.6	-0.2	2.5	0.9	2	-0.7	-3957940	1.1	
20	282.617	1432.6	0	2.6	1.5	1.6	-1.2	-4073444	0.8	
20	282.917	1432.4	0	2.5	1.5	1.8	-1.7	-4221271	0.7	
20	283.217	1432.3	-0.7	2.1	1.6	1.2	-2.1	-4407895	0.6	
20	283.517	1432.1	0	3.4	1.7	1.2	-2.3	-4611784	0.5	
20	283.817	1432.1	-0.9	2.3	2	0.9	-2.6	-4813219	0.6	
20	284.117	1432.3	-1.3	2.6	2.4	0.2	-2.7	-5033053	0.5	
20	284.417	1432.3	-0.6	3.2	2.5	0.7	-2.9	-5221322	0.6	
20	284.717	1432.4	-1.4	2.8	2.8	-0.2	-3.1	-5382391	0.6	
20	285.017	1432.2	-1.1	2.6	2.6	0	-3.4	-5524407	0.9	
20	285.317	1432.5	-1.9	1	3	-0.8	-3.6	-5628360	1.3	
20	285.617	1432.7	-1.7	0.6	3.2	0.8	-3.8	-5705041	1.4	
20	285.917	1432.6	-1.1	1.1	3.3	1.4	-3.9	-5783840	1.7	
20	286.217	1432.5	-2.1	-0.2	3.1	0.9	-3.7	-5832173	1.8	
20	286.517	1432.5	-1.9	-0.2	3	1.7	-3.3	-5848464	1.8	
20	286.817	1432.7	-1.6	0.2	2.8	1.3	-2.7	-5848464	1.6	
20	287.117	1432.9	-0.9	0.9	2.5	1.2	-2	-5767907	0.8	
20	287.417	1433.3	-0.5	1	2.3	0.7	-1.1	-5658784	0.2	
20	287.717	1433.8	0.4	2.4	1.6	1.6	0.2	-5524407	0.1	
20	288.017	1434.3	-1.6	0.3	0.8	-0.2	1.6	-5368590	0.4	
20	288.317	1434.4	-1.6	-0.2	0	0.2	2.4	-5208334	1	
20	288.617	1434	-1.5	0.4	-0.7	0.7	2.7	-5045181	1.5	
20	288.917	1433.3	-2.3	-0.5	-1.4	0.6	2.5	-4891940	1.9	
20	289.217	1432.8	-2	-0.8	-2	1.3	2.1	-4747733	2.5	
20	289.517	1432.3	-1.3	0.4	-2.4	2.4	1.7	-4581510	3.1	
20	289.817	1432	-0.9	0.4	-2.8	2.7	1.3	-4417194	3.4	
20	290.117	1431.5	-0.2	1.9	-2.9	3.2	0.5	-4246958	3.5	
20	290.417	1431.2	-0.3	1.3	-2.3	3.9	-0.6	-4089356	3.6	
20	290.717	1431.3	-0.6	0	-1.6	3.9	-1.2	-3928237	3.4	
20	291.017	1431.5	0.7	2	-0.9	4.7	-1.5	-3779333	2.3	
20	291.317	1431.9	-0.2	0.8	-0.2	3.5	-1.4	-3654014	1.7	
20	291.617	1432.7	-0.1	1.1	0.4	2.6	-1.1	-3542725	1.2	
20	291.917	1433.2	-0.4	1	1	1.2	-0.9	-3466474	0.6	
20	292.217	1433.6	0	0.6	1.4	0.7	-0.7	-3415580	0	
20	292.517	1433.9	-0.3	0.6	1.7	-0.3	-0.5	-3393436	-0.3	
20	292.817	1433.9	0.3	0.9	1.7	0	-0.3	-3398945	-0.6	
20	293.117	1433.9	-0.6	-0.3	1.4	-0.8	0	-3426760	-0.6	
20	293.417	1433.8	-2	-1.1	1.2	-2.8	0	-3477990	-0.6	
20	293.717	1433.7	-1.6	-1.3	1.1	-1.7	-0.2	-3548729	-0.5	
20	294.017	1433.9	-1.1	-0.7	1	-1.4	-0.2	-3641305	-0.5	
20	294.317	1433.9	-0.7	-0.6	1	-0.8	-0.5	-3745528	-0.5	
20	294.617	1433.8	-0.4	-0.5	1.2	-0.5	-0.7	-3877315	-0.2	
20	294.917	1433.9	-0.5	-0.3	1.3	-0.2	-0.8	-4034201	-0.1	
20	295.217	1433.8	-0.3	-0.3	1.5	-0.5	-0.9	-4229798	0	
20	295.517	1433.7	-0.3	-0.3	1.5	0.3	-0.9	-4464286	0	
20	295.817	1433.7	-0.4	0.3	1.6	1.1	-0.8	-4758523	0.1	
20	296.117	1433.7	-0.7	-0.7	1.7	0.8	-0.7	-5106708	0.1	
20	296.417	1433.6	-0.4	0.5	1.4	0.9	-0.6	-5481021	0.1	
20	296.717	1433.6	-0.4	0.9	1.1	0.8	-0.5	-5815972	0.1	
20	297.017	1433.1	-0.3	0.3	0.8	0.9	-0.7	-6086483	0.2	
20	297.317	1432.9	-0.6	0.8	0.5	1.2	-0.7	-6250000	0.4	
20	297.617	1432.6	0	1.1	0.2	1.9	-0.7	-6287538	0.5	
20	297.917	1432.2	-0.6	1.3	-0.1	1.5	-0.8	-6122076	0.7	
20	298.217	1431.9	-0.8	0.9	-0.4	1.4	-0.8	-5752061	0.8	
20	298.517	1431.7	-1.2	-0.1	-0.4	1.4	-0.9	-5327608	0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	298.817	1431.8	-1.3	0.8	-0.1	1.4	-0.9	-4938090	1	
20	299.117	1432.1	-1.5	0.4	0.3	1.7	-0.8	-4632191	1	
20	299.417	1432.2	-1.7	-0.1	0.7	1.3	-0.8	-4407895	0.9	
20	299.717	1432.4	-2.4	-1.5	1.1	0.8	-0.8	-4246958	0.9	
20	300.017	1432.4	-2.5	-2	1.2	0.7	-0.8	-4129685	1.1	
20	300.317	1432.5	-2.5	-2.9	1.4	0.7	-0.7	-4073444	0.9	
20	300.617	1432.4	-2.4	-0.8	1.5	0.9	-0.8	-4105393	0.7	
20	300.917	1432.3	-2.7	-1.1	1.3	0.8	-0.7	-4179142	0.6	
20	301.217	1432	-3.1	-1.6	1	0.2	-0.8	-4272960	0.6	
20	301.517	1431.7	-4	-1.7	0.5	-0.1	-0.9	-4352911	1.1	
20	301.817	1431.5	-4	-2	0.2	0.1	-0.9	-4380230	1.3	
20	302.117	1431.4	-4	-2.7	0.1	0.5	-1	-4361980	1.4	
20	302.417	1431.4	-4.1	-3.2	0	0.4	-1.1	-4290472	1.5	
20	302.717	1431.5	-4.1	-3.9	0	0.4	-1.1	-4187500	1.5	
20	303.017	1431.5	-4.4	-4.1	0.1	0.1	-1.2	-4065534	1.5	
20	303.317	1431.7	-4.6	-4	0.2	-0.2	-1.2	-3935621	1.5	
20	303.617	1431.9	-4	-4.7	0.4	0.8	-1.1	-3820712	1.3	
20	303.917	1432.1	-4.1	-3.9	0.7	1.2	-1.1	-3738840	1.2	
20	304.217	1432.2	-4	-3.9	1	1	-1.1	-3699205	1.1	
20	304.517	1432.3	-3.9	-3.5	1.2	1.2	-1	-3712323	1.1	
20	304.817	1432.5	-3.6	-3.6	1.5	1.3	-1	-3772523	0.7	
20	305.117	1432.6	-3.6	-3.3	1.5	1.4	-1	-3855894	0.5	
20	305.417	1432.8	-3.6	-3.9	1.6	1.2	-1	-3957940	0.2	
20	305.717	1433	-3.2	-2.6	1.5	1.8	-0.9	-4049807	0	
20	306.017	1433.1	-4	-2	1.5	0.7	-0.9	-4097359	0.1	
20	306.317	1433.2	-4.3	-2.7	1.4	0.1	-0.9	-4089356	0.1	
20	306.617	1433	-3.7	-2.6	1.3	0.8	-1.1	-4026443	0.1	
20	306.917	1432.8	-4	-3.3	1.1	0.1	-1.1	-3920881	0.3	
20	307.217	1432.6	-4.3	-3.9	0.9	0.5	-1.1	-3806819	0.9	
20	307.517	1432.7	-4.9	-4.4	0.7	0.1	-0.9	-3699205	1.3	
20	307.817	1432.9	-4.8	-4.5	0.7	0.7	-0.7	-3597509	1.7	
20	308.117	1433	-5.3	-5	0.6	0.1	-0.6	-3518908	1.9	
20	308.417	1433.1	-5.1	-4.7	0.5	0.9	-0.5	-3466474	1.9	
20	308.717	1433.2	-4.6	-3.9	0.4	1.2	-0.4	-3443668	1.7	
20	309.017	1433.3	-4.8	-4.4	0.5	0.9	-0.3	-3432378	1.4	
20	309.317	1433.2	-3.7	-3.3	0.5	1.9	-0.2	-3426760	1.1	
20	309.617	1433.2	-4.3	-4	0.4	1	-0.1	-3415580	0.9	
20	309.917	1433.1	-3.9	-3.3	0.4	1.6	-0.1	-3393436	0.7	
20	310.217	1433	-4	-4	0.4	0.8	-0.2	-3360755	0.4	
20	310.517	1433.1	-3.7	-3.1	0.5	1.5	-0.2	-3302445	0.1	
20	310.817	1433.2	-4.3	-3.5	0.6	0.2	-0.3	-3236090	0	
20	311.117	1433.2	-3.8	-2.6	0.7	0.6	-0.4	-3157994	0	
20	311.417	1433.3	-4.8	-3.5	0.9	-0.1	-0.5	-3079045	0.1	
20	311.717	1433.1	-5.1	-3.6	0.8	-0.5	-0.8	-3003946	0.3	
20	312.017	1433.1	-4.5	-2.8	0.9	0.3	-1.1	-2940661	0.3	
20	312.317	1432.9	-4.8	-2.4	1	0	-1.5	-2899931	0.4	
20	312.617	1432.7	-4.1	-1.6	1	1.1	-1.7	-2883954	0.5	
20	312.917	1432.7	-4.9	-2.4	1	-0.2	-1.8	-2887932	0.5	
20	313.217	1432.7	-4	-1.6	0.9	1.1	-1.7	-2920154	0.6	
20	313.517	1432.6	-4.2	-1.5	0.8	0	-1.6	-2982550	0.6	
20	313.817	1432.5	-4.5	-1.4	0.6	0.6	-1.4	-3070015	0.6	
20	314.117	1433	-5	-1	0.8	-0.2	-0.8	-3186835	0.6	
20	314.417	1433.3	-4.7	-0.7	0.6	-0.1	-0.3	-3323413	0.5	
20	314.717	1433.6	-5	-1	0.6	-0.4	0.2	-3472223	0.6	
20	315.017	1433.9	-5.4	-1.3	0.7	-1.6	0.4	-3634983	0.5	
20	315.317	1434	-4.7	-0.6	0.6	-0.6	0.5	-3806819	0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	315.617	1433.9	-4.7	-0.3	0.5	-1.4	0.3	-3972961	0.3	
20	315.917	1433.6	-3.4	1.2	0.4	-0.1	-0.2	-4105393	0.1	
20	316.217	1433.3	-4.1	-0.1	0.5	-1.1	-0.8	-4204318	0	
20	316.517	1433	-3.3	0.8	0.4	-0.3	-1.4	-4272960	-0.1	
20	316.817	1432.8	-3.8	0.2	0.4	-0.9	-1.9	-4334886	-0.1	
20	317.117	1432.6	-3.2	0.7	0.5	-0.4	-2.3	-4380230	-0.2	
20	317.417	1432.8	-2.4	1.2	0.7	0.8	-2.3	-4407895	-0.2	
20	317.717	1433.1	-2.4	1.2	0.9	0.8	-2.3	-4417194	-0.2	
20	318.017	1433.5	-2.1	1.5	1.3	1.1	-2.1	-4407895	0.1	
20	318.317	1434.1	-2.2	1	1.7	0.3	-1.7	-4389413	0.3	
20	318.617	1434.6	-1.6	2.4	2	1.2	-1.3	-4361980	0.5	
20	318.917	1435	-1.3	3	2.6	1.3	-1.1	-4325930	0.8	
20	319.217	1435.3	-1.3	2.4	3	1.6	-0.9	-4272960	1	
20	319.517	1435.2	-1	3	3.1	1.9	-1	-4195892	1.4	
20	319.817	1435	-1.5	2.8	3	1.4	-1.2	-4113458	1.9	
20	320.117	1435	-2.1	2.8	3	1.2	-1.4	-4026443	2.2	
20	320.417	1434.8	-1.5	3.3	3	1.9	-1.8	-3950472	2.2	
20	320.717	1434.6	-1	4.3	2.7	2.6	-2.1	-3884509	2.2	
20	321.017	1434.5	-0.6	4.5	2.4	2.1	-2.3	-3841744	1.8	
20	321.317	1434	-0.3	4.3	1.8	2.2	-2.5	-3813753	1.5	
20	321.617	1433.7	-0.1	4.7	1.3	2	-2.6	-3806819	0.7	
20	321.917	1433.6	0.1	3.8	1	1.1	-2.4	-3841744	0.1	
20	322.217	1433.6	0.3	4.6	0.8	1.1	-2	-3906250	-0.6	
20	322.517	1433.6	0.1	4	0.3	-0.1	-1.5	-4011016	-1.7	
20	322.817	1433.7	-0.3	3.7	0.2	-1.4	-1	-4146040	-2.3	
20	323.117	1433.9	-0.7	3	0.1	-2.4	-0.4	-4290472	-2.8	
20	323.417	1434.2	-0.2	4.1	0	-2.7	0.3	-4426533	-3.6	
20	323.717	1434.5	-0.7	3.1	0	-3.3	0.9	-4561547	-3.7	
20	324.017	1434.7	-1.6	3.2	-0.1	-4.5	1.4	-4652778	-3.6	
20	324.317	1434.8	-0.9	4.2	-0.1	-3.8	1.6	-4652778	-3.2	
20	324.617	1434.7	-1.3	3.2	-0.4	-3.7	1.7	-4571507	-2.5	
20	324.917	1434.6	-0.9	3.9	-0.4	-2.6	1.7	-4435911	-2	
20	325.217	1434.2	-1	3.1	-0.8	-1.4	1.6	-4281698	-0.9	
20	325.517	1433.8	-1.1	3.8	-1.1	-0.3	1.3	-4129685	0.3	
20	325.817	1433.4	-1.6	2.4	-1.1	0.4	0.8	-3995706	1.8	
20	326.117	1433.1	-1.8	2.4	-1	1.7	0.3	-3891729	3.2	
20	326.417	1433.1	-1.4	3.1	-0.7	3.5	-0.1	-3848806	3.9	
20	326.717	1433.1	-0.8	4.2	-0.5	4.7	-0.4	-3863008	4.6	
20	327.017	1433.2	-0.5	4.2	0	5.6	-0.6	-3920881	5.1	
20	327.317	1433	-0.7	4.3	-0.1	5.6	-0.8	-4018714	5.6	
20	327.617	1433.1	-0.8	4.6	0.3	5.8	-0.8	-4129685	5.9	
20	327.917	1433.3	-0.4	4.3	0.6	5.9	-0.8	-4264257	5.7	
20	328.217	1433.3	-0.2	4.5	0.9	6.2	-0.8	-4417194	5.1	
20	328.517	1433.1	0	3.4	0.8	6.1	-0.8	-4591557	4.6	
20	328.817	1433.2	-0.5	3.6	0.8	5	-0.8	-4769363	3.8	
20	329.117	1433.2	-1	2.3	0.9	3.3	-0.9	-4973278	3.2	
20	329.417	1433	-0.8	3	0.8	2.9	-1.1	-5182550	2.3	
20	329.717	1433.1	-0.4	2.8	0.9	2.6	-1.1	-5438312	1.1	
20	330.017	1433.1	-0.3	2.1	0.9	1.8	-1.2	-5736302	0.2	
20	330.317	1433.1	-0.1	2.3	0.7	1	-1.2	-6068841	-0.7	
20	330.617	1433.1	-1	1.1	0.7	-0.8	-1.1	-6462192	-1.3	
20	330.917	1433.2	-1.3	0.9	0.7	-1.2	-0.9	-6864754	-1.6	
20	331.217	1433.3	-2	-0.4	0.6	-2.1	-0.8	-7244810	-2.1	
20	331.517	1433.4	-1.4	-0.1	0.4	-1	-0.6	-7613637	-2.3	
20	331.817	1433.5	-2.3	-1	0.3	-2.6	-0.3	-7871241	-2.4	
20	332.117	1433.6	-3.2	-2.2	0.3	-3.5	-0.2	-7930871	-2.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	332.417	1433.7	-3	-1.5	0.3	-3.6	-0.1	-7754630	-2.5	
20	332.717	1433.8	-3.2	-1.1	0.2	-3.6	0	-7346491	-2.5	
20	333.017	1433.7	-2.9	-1.4	0.2	-2.7	-0.1	-6820033	-2.5	
20	333.317	1433.6	-3.3	-2.3	0.2	-3	-0.2	-6231399	-2.4	
20	333.617	1433.9	-3.5	-2.9	0.5	-2.5	-0.2	-5628360	-2.2	
20	333.917	1433.9	-4.4	-4.1	0.6	-4	-0.5	-5057367	-2	
20	334.217	1434	-3.4	-3.3	0.7	-2.5	-0.8	-4551631	-1.8	
20	334.517	1433.9	-4	-4.1	0.8	-2.4	-1.1	-4162525	-1.5	
20	334.817	1433.9	-3.6	-3.9	0.8	-2	-1.2	-3870148	-1.1	
20	335.117	1434	-4.1	-4.2	0.8	-2.2	-1.3	-3654014	-0.8	
20	335.417	1434	-4.4	-4.1	0.8	-2.3	-1.3	-3501255	-0.3	
20	335.717	1434	-4.2	-3.5	0.8	-1.6	-1.4	-3410017	0.1	
20	336.017	1433.9	-4.5	-4.3	0.8	-1.6	-1.6	-3377017	0.4	
20	336.317	1434.2	-3.4	-2.7	0.9	0.2	-1.4	-3398945	0.7	
20	336.617	1434.6	-3.2	-1.6	1.1	0.3	-1.2	-3466474	0.9	
20	336.917	1434.8	-3	-2.1	1.3	0.8	-1.1	-3579060	1.1	
20	337.217	1434.9	-2.4	-1.1	1.3	1	-1	-3712323	1.2	
20	337.517	1435.1	-2.3	-1.4	1.4	1.5	-0.9	-3863008	1.3	
20	337.817	1435.3	-2	-1	1.5	2	-0.7	-4003346	1.4	
20	338.117	1435.5	-1.7	-0.6	1.5	2.8	-0.4	-4129685	1.4	
20	338.417	1435.6	-1.6	0	1.3	3.2	0.1	-4246958	1.3	
20	338.717	1435.4	-1.4	0.4	0.8	2.3	0.4	-4352911	1.1	
20	339.017	1435.5	-1.9	-0.5	0.4	1.9	0.7	-4445329	1	
20	339.317	1435.3	-1.3	-0.5	0.2	2.4	0.8	-4512393	0.7	
20	339.617	1435.3	-0.8	-0.3	0.2	2.3	0.9	-4581510	0.5	
20	339.917	1435.2	-0.9	-0.2	0.2	2	0.8	-4621965	0.1	
20	340.217	1435	-0.8	0	0.2	1.4	0.6	-4663141	-0.3	
20	340.517	1434.8	-1.9	-1.5	0.3	0.3	0.3	-4705057	-0.5	
20	340.817	1434.6	-2.6	-2.4	0.7	-0.7	-0.2	-4736991	-0.8	
20	341.117	1434.3	-1.8	-1.8	1.1	-0.3	-0.7	-4747733	-1.1	
20	341.417	1434.2	-2.4	-1.9	1.4	-1.1	-1.1	-4747733	-1.2	
20	341.717	1433.9	-3	-2	1.8	-2	-1.7	-4726298	-1.4	
20	342.017	1433.6	-2.9	-2.1	1.8	-2.4	-2.2	-4673549	-1.2	
20	342.317	1433.3	-3.4	-3	1.7	-3	-2.6	-4601649	-1	
20	342.617	1433	-3.1	-2.8	1.8	-2.1	-3	-4522139	-0.5	
20	342.917	1432.9	-3.7	-3.6	1.9	-1.4	-3.2	-4435911	0.3	
20	343.217	1432.6	-3.8	-2.8	1.8	-0.7	-3.3	-4343880	0.9	
20	343.517	1432.4	-3.8	-2.5	1.6	0	-3.3	-4264257	1.4	
20	343.817	1432.3	-3.2	-1.2	1.6	1.1	-3.3	-4187500	1.7	
20	344.117	1432.3	-3.4	-2	1.7	1.3	-3.2	-4129685	1.8	
20	344.417	1432.7	-2.6	-0.3	1.7	2.5	-2.7	-4089356	1.5	
20	344.717	1433.2	-2	1.2	1.7	3.1	-2.1	-4073444	1.2	
20	345.017	1433.5	-2.3	0.7	1.6	2	-1.5	-4065534	0.7	
20	345.317	1433.6	-2.1	1.1	1.2	1.9	-0.9	-4065534	0.2	
20	345.617	1433.6	-1.9	1	0.9	1.5	-0.3	-4057655	-0.2	
20	345.917	1433.8	-3	0.3	0.8	0.3	0.2	-4057655	-0.3	
20	346.217	1433.8	-2.8	0.7	0.3	0.2	0.7	-4065534	-0.4	
20	346.517	1433.7	-2.9	1.5	-0.3	0.3	1.1	-4057655	0	
20	346.817	1433.8	-4.3	-0.9	-0.8	-0.2	1.5	-4026443	1.5	
20	347.117	1433.9	-4.4	-0.4	-1.1	-0.2	1.5	-3980514	1.8	
20	347.417	1433.8	-4.2	-0.6	-1.2	0	1.4	-3943032	1.8	
20	347.717	1433.7	-4	0.1	-1	0.5	1.1	-3906250	1.9	
20	348.017	1433.4	-3.4	1	-1	0.6	0.8	-3855894	2	
20	348.317	1433.2	-3.5	0.7	-1.1	1	0.6	-3786167	2.1	
20	348.617	1433.4	-3.6	0.9	-0.6	0.6	0.4	-3686180	2	
20	348.917	1433.5	-3.1	0.3	-0.1	1.1	0.2	-3579060	1.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	349.217	1433.4	-2.5	0.7	0.2	2.4	-0.2	-3455033	1.7	
20	349.517	1433.7	-2.8	0.2	0.7	1.7	-0.4	-3333997	1.5	
20	349.817	1433.6	-2.4	0	0.9	2.3	-0.7	-3216206	1.6	
20	350.117	1433.6	-3.1	-0.8	0.9	1.2	-0.8	-3111070	1.5	
20	350.417	1433.6	-2.2	-0.2	1	1.7	-0.8	-3021285	1.2	
20	350.717	1433.5	-1.8	-0.1	0.9	2	-0.8	-2948944	1	
20	351.017	1433.3	-1.7	-0.1	0.6	2	-0.8	-2899931	0.9	
20	351.317	1433	-2	-0.6	0.1	1.5	-0.8	-2876031	0.9	
20	351.617	1433	-2.2	-0.3	0.3	1	-0.8	-2876031	0.9	
20	351.917	1433	-1.7	-0.4	0.3	1.6	-0.8	-2912031	0.8	
20	352.217	1433.1	-2.1	-1.3	0.6	1	-0.9	-2974077	0.8	
20	352.517	1433.3	-1.7	-0.8	0.9	1.7	-0.9	-3065520	0.7	
20	352.817	1433.5	-2	-1.2	1.1	1.1	-0.9	-3191693	0.6	
20	353.117	1433.5	-2.1	-0.2	1.5	0.9	-1.1	-3344649	0.3	
20	353.417	1433.7	-2	0.6	1.7	0.8	-1.1	-3524832	0.1	
20	353.717	1433.8	-2.2	-0.4	2.1	0.3	-1.1	-3738840	-0.4	
20	354.017	1433.5	-2.1	0.3	1.8	-0.1	-1.2	-3988096	-1	
20	354.317	1433.2	-2.2	0.8	1.7	-1.2	-1.3	-4264257	-1.7	
20	354.617	1433.2	-2.2	0.7	1.7	-1.5	-1.3	-4512393	-2.2	
20	354.917	1433.1	-2.3	1.1	1.4	-2.6	-1.3	-4715653	-2.7	
20	355.217	1433	-2.8	0.3	1.1	-3.1	-1.3	-4857889	-2.9	
20	355.517	1432.7	-3.5	0.2	1	-3.8	-1.4	-4914906	-2.9	
20	355.817	1432.8	-3.6	0.2	1	-4	-1.4	-4880536	-2.8	
20	356.117	1432.7	-3.8	0	1	-3.9	-1.5	-4769363	-2.6	
20	356.417	1432.7	-3.8	-0.6	1.2	-4.1	-1.5	-4591557	-2.6	
20	356.717	1432.6	-3.8	-0.4	1.4	-3.5	-1.6	-4380230	-2.4	
20	357.017	1432.5	-3.6	-1	1.4	-3.2	-1.7	-4137846	-2	
20	357.317	1432.7	-3.2	-1.2	1.5	-2.8	-1.5	-3920881	-1.5	
20	357.617	1432.8	-3.3	-1	1.7	-1.9	-1.4	-3732175	-1.1	
20	357.917	1432.7	-3.1	-1	1.8	-0.9	-1.4	-3579060	-0.5	
20	358.217	1432.7	-2.9	-1	1.7	0	-1.4	-3455033	0.1	
20	358.517	1432.5	-2.9	0.1	1.6	0.7	-1.4	-3350000	0.8	
20	358.817	1432.5	-2.6	0.2	1.4	1.6	-1.3	-3261293	1.3	
20	359.117	1432.4	-3.2	-0.3	1.4	1.6	-1.4	-3186835	1.9	
20	359.417	1432.4	-2.6	1.7	1.3	2.9	-1.4	-3134357	2.3	
20	359.717	1432.2	-1.5	2.9	0.9	4.2	-1.4	-3092689	2.5	
20	360.017	1432.1	-2.2	2	0.7	4	-1.4	-3061039	2.9	
20	360.317	1431.9	-1.9	2.1	0.5	4.9	-1.4	-3034421	3.4	
20	360.617	1431.9	-2	1.4	0.5	5.4	-1.4	-3012590	4	
20	360.917	1431.9	-1.9	1.6	0.6	6.4	-1.4	-2991072	4.5	
20	361.217	1432	-2	1.6	0.5	6.5	-1.3	-2965652	4.7	
20	361.517	1432.2	-2.1	1	0.5	7	-1.1	-2940661	5	
20	361.817	1432.5	-2.8	-0.3	0.5	6.6	-0.8	-2916087	5.6	
20	362.117	1432.6	-3.2	-0.4	0.6	6.4	-0.7	-2895920	6.2	
20	362.417	1432.8	-3.3	-0.9	0.7	6.7	-0.5	-2879987	6.2	
20	362.717	1432.9	-3.6	-0.5	0.7	6.1	-0.3	-2864228	6.1	
20	363.017	1432.8	-4	-1.8	0.5	5.6	-0.2	-2848640	6	
20	363.317	1432.9	-4.8	-3	0.6	4.4	-0.1	-2848640	6.1	
20	363.617	1433.1	-5.1	-3.4	0.5	3.8	0.1	-2848640	5.8	
20	363.917	1433.2	-4.9	-2.9	0.5	3.3	0.2	-2856413	5.3	
20	364.217	1433.2	-5.1	-2.9	0.3	2.8	0.2	-2872086	4.8	
20	364.517	1433.2	-5.4	-3.7	0.5	2.1	0	-2891920	4.5	
20	364.817	1433.2	-5.4	-3.3	0.4	1.7	-0.1	-2912031	4.1	
20	365.117	1433.2	-5.3	-3.6	0.5	1.5	-0.2	-2932424	3.7	
20	365.417	1433.1	-5.2	-3.2	0.7	1.2	-0.4	-2953103	3.3	
20	365.717	1433	-4.3	-2.2	0.7	1.7	-0.6	-2978308	2.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	366.017	1433	-4.3	-2.3	0.8	1	-0.8	-2999642	2.2	
20	366.317	1432.9	-3.7	-1.5	0.9	0.9	-1	-3016931	1.6	
20	366.617	1433	-3.3	-1.2	1.2	1.2	-1.1	-3025651	1.2	
20	366.917	1432.8	-2.8	-0.6	1.3	1.1	-1.3	-3034421	0.7	
20	367.217	1432.9	-2.7	-0.5	1.3	1.2	-1.3	-3047672	0.5	
20	367.517	1432.9	-2.6	-0.3	1.4	1	-1.3	-3052114	0.2	
20	367.817	1432.9	-2.2	0.6	1.3	1.2	-1.3	-3052114	-0.1	
20	368.117	1432.9	-1.8	1.7	1.3	0.6	-1.3	-3056570	-0.3	
20	368.417	1432.9	-1.2	2.4	1.2	1	-1.3	-3070015	-0.4	
20	368.717	1432.8	-1.2	2.6	1.1	0.5	-1.3	-3097264	-0.5	
20	369.017	1432.6	-1.6	2.2	0.9	-0.1	-1.3	-3143769	-0.5	
20	369.317	1432.5	-1.1	2.7	0.9	0.3	-1.3	-3206356	-0.5	
20	369.617	1432.5	-1.4	2.2	0.8	0	-1.3	-3292060	-0.4	
20	369.917	1432.4	-1.5	1.7	0.8	0	-1.4	-3393436	-0.1	
20	370.217	1432.6	-1.8	1.5	1	-0.2	-1.4	-3501255	0.2	
20	370.517	1432.9	-1.1	2	1.2	0.4	-1.3	-3622405	0.3	
20	370.817	1433.1	-1	1.9	1.3	0.2	-1.3	-3752241	0.4	
20	371.117	1433.1	-0.8	2.1	1.4	0.6	-1.4	-3877315	0.5	
20	371.417	1433	-0.7	1.9	1.3	1.2	-1.4	-3980514	0.7	
20	371.717	1433	-1.1	2.1	1.3	0.8	-1.4	-4057655	0.9	
20	372.017	1433.1	-0.8	1.8	1.3	1.5	-1.3	-4097359	1	
20	372.317	1433.2	-0.7	0.8	1.4	1.9	-1.3	-4121555	1.1	
20	372.617	1433.2	-0.6	1.6	1.3	2.3	-1.3	-4121555	1.1	
20	372.917	1433.2	-0.6	1.3	1.2	2	-1.3	-4081384	1.2	
20	373.217	1433.4	-0.5	1.5	1.1	2.1	-1.1	-4011016	1.2	
20	373.517	1433.4	-0.6	1.3	1	2.3	-1.1	-3913552	1.3	
20	373.817	1433.6	-0.7	1.3	1.1	2.2	-0.9	-3799910	1.3	
20	374.117	1433.7	-0.9	1.2	1.1	2.1	-0.8	-3673246	1.3	
20	374.417	1433.7	-1.2	1.6	1.1	2.1	-0.8	-3536740	1.2	
20	374.717	1433.8	-1.5	1.7	1.2	1.8	-0.8	-3404472	1.2	
20	375.017	1433.8	-1.7	1.6	1.3	1.3	-0.8	-3281740	1.1	
20	375.317	1433.7	-1.8	1.8	1.1	0.9	-0.8	-3172349	0.9	
20	375.617	1433.8	-1.8	2.2	1.2	0.4	-0.8	-3088127	0.5	
20	375.917	1433.9	-2.4	2.4	1.4	-0.5	-0.9	-3025651	0.3	
20	376.217	1433.9	-2.6	2.5	1.6	-1	-1.1	-2982550	0	
20	376.517	1433.7	-2.3	2.6	1.5	-0.9	-1.3	-2957275	-0.1	
20	376.817	1433.6	-3.4	1.7	1.6	-1.7	-1.4	-2948944	0.3	
20	377.117	1433.6	-3.5	1.9	1.4	-1.3	-1.4	-2961457	0.9	
20	377.417	1433.5	-3.3	2.1	1.2	-0.5	-1.4	-2986805	1.4	
20	377.717	1433.5	-3	2.3	1.2	0.3	-1.4	-3021285	1.9	
20	378.017	1433.4	-2.9	2.3	0.8	0.9	-1.3	-3061039	2.6	
20	378.317	1433.3	-2.7	1.6	0.4	2.1	-1.1	-3111070	3.4	
20	378.617	1433.2	-2.6	1.7	0	3.2	-0.8	-3162765	4.4	
20	378.917	1433.3	-2.1	1.6	-0.2	4.2	-0.3	-3216206	5.1	
20	379.217	1433.1	-1.6	1.7	-0.4	5.2	-0.1	-3271485	5.4	
20	379.517	1433.3	-1.1	1.7	-0.5	5.7	0.3	-3328697	5.4	
20	379.817	1433.5	-1	1.7	-0.6	5.5	0.5	-3377017	5.4	
20	380.117	1433.7	-1	1.6	-0.5	5	0.5	-3426760	5.2	
20	380.417	1434.1	-0.6	1.6	-0.1	4.9	0.6	-3477990	4.9	
20	380.717	1434.2	-0.4	1.4	-0.1	4.5	0.6	-3518908	4.7	
20	381.017	1434.1	-0.2	1	0	3.4	0.4	-3554754	4	
20	381.317	1433.9	-0.1	1.1	-0.1	3.3	0.1	-3585189	3.6	
20	381.617	1433.7	0.5	2.1	0	2.9	-0.1	-3603701	3	
20	381.917	1433.5	0.7	1.8	0.1	2.4	-0.3	-3603701	2.4	
20	382.217	1433.7	1.1	2.5	0.4	2	-0.4	-3597509	1.9	
20	382.517	1433.8	1.3	2.8	0.7	1.7	-0.5	-3579060	1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	382.817	1433.8	1.7	3.5	0.8	1.1	-0.8	-3554754	0.8	
20	383.117	1434	2.3	3.4	1.2	0.9	-1.1	-3518908	0	
20	383.417	1434.2	3.3	4.3	1.7	0.7	-1.4	-3472223	-1.3	
20	383.717	1434.5	2.5	3.3	2	-0.3	-1.5	-3432378	-1.9	
20	384.017	1434.4	2.7	3.4	2.1	-0.7	-1.7	-3387945	-2.1	
20	384.317	1434.1	2.5	3.6	2.1	-0.8	-2	-3339315	-2.2	
20	384.617	1433.8	2.9	3.7	2.1	-0.7	-2.3	-3302445	-2.4	
20	384.917	1433.6	3	3.7	1.9	-0.4	-2.4	-3271485	-2.5	
20	385.217	1433.4	3.3	3.9	1.9	-0.2	-2.4	-3241100	-2.6	
20	385.517	1433.5	3.2	3.8	1.8	-0.5	-2.2	-3211273	-2.6	
20	385.817	1433.7	2.8	3.3	1.5	-1	-2	-3181991	-2.1	
20	386.117	1434.2	1.9	2.5	1.6	-0.9	-1.8	-3157994	-1.2	
20	386.417	1434.4	2	2.7	1.6	0	-1.6	-3153238	-0.1	
20	386.717	1434.5	1.4	2.3	1.4	1.1	-1.3	-3157994	1.1	
20	387.017	1434.4	1.4	2.6	1.1	2	-1	-3172349	1.9	
20	387.317	1434.3	0.4	1.9	0.9	2	-0.7	-3186835	3.1	
20	387.617	1434	0.1	1.8	0.4	2.7	-0.5	-3221154	4.1	
20	387.917	1433.8	0	1.8	0.1	3.4	-0.4	-3266381	4.8	
20	388.217	1434.2	0	1.8	0.1	4.3	-0.2	-3318146	5	
20	388.517	1434.3	0.7	3.1	0	5.3	-0.2	-3366158	4.6	
20	388.817	1434.5	1	3.6	0.2	5.2	-0.2	-3404472	3.8	
20	389.117	1434.6	0.2	2.5	0.3	4.4	-0.2	-3415580	3.4	
20	389.417	1434.7	-0.3	3.1	0.5	3.9	-0.2	-3410017	3	
20	389.717	1434.7	0	3.5	0.7	3.6	-0.4	-3377017	2.2	
20	390.017	1434.8	-0.3	3	1.2	3.1	-0.5	-3328697	1.5	
20	390.317	1434.8	-0.4	2.6	1.3	2.4	-0.5	-3276605	0.9	
20	390.617	1434.8	-1.4	1.5	1.3	1.3	-0.6	-3221154	0.7	
20	390.917	1434.8	-2	0.7	1.4	0.2	-0.7	-3177163	0.7	
20	391.217	1434.7	-2.8	-0.2	1.4	-0.5	-0.9	-3139056	1	
20	391.517	1434.5	-3	-0.9	1.2	0	-1.1	-3115700	1.4	
20	391.817	1434.3	-3.9	-2.3	1.4	-0.4	-1.4	-3106455	1.8	
20	392.117	1434.4	-3.3	-2.2	1.4	0	-1.4	-3101852	1.9	
20	392.417	1434.3	-4	-3	1.5	-0.4	-1.6	-3097264	2.1	
20	392.717	1434.2	-3.8	-2.8	1.5	-0.1	-1.7	-3097264	2.3	
20	393.017	1434	-4	-3.4	1.7	0.2	-1.9	-3106455	2.4	
20	393.317	1434	-3.8	-3.4	1.8	0.5	-1.9	-3120343	2.4	
20	393.617	1434	-3.6	-3.4	1.9	1	-1.8	-3143769	2.3	
20	393.917	1434.1	-3.4	-3.3	2	0.4	-1.7	-3153238	2.2	
20	394.217	1434	-3.1	-3.6	1.9	1.1	-1.7	-3157994	2.1	
20	394.517	1434.1	-2.9	-3.6	1.8	0.6	-1.5	-3157994	2	
20	394.817	1434.1	-2.7	-3.8	1.7	1.4	-1.4	-3153238	1.9	
20	395.117	1433.9	-2.4	-3.7	1.4	1.1	-1.4	-3143769	1.9	
20	395.417	1433.5	-2.2	-3.9	1	1.4	-1.4	-3120343	1.9	
20	395.717	1433.3	-1.9	-4.2	0.8	1.5	-1.4	-3083579	1.9	
20	396.017	1433.1	-1.8	-5.1	0.5	1.4	-1.4	-3047672	1.8	
20	396.317	1433.2	-0.3	-2.8	0.3	2.3	-1.2	-3021285	1.5	
20	396.617	1433.2	-0.3	-3	0.4	2.1	-1.2	-3016931	1.5	
20	396.917	1433.3	0.2	-2.3	0.3	2.5	-1.1	-3025651	1.6	
20	397.217	1433.3	-0.4	-3.3	0.3	2.3	-1.1	-3052114	2.2	
20	397.517	1433.6	0.6	-2.4	0.4	3.2	-0.7	-3097264	2.2	
20	397.817	1433.7	0.6	-2.7	0.5	2.9	-0.5	-3162765	2.2	
20	398.117	1433.9	0.7	-2.5	0.7	3.6	-0.3	-3246125	2.3	
20	398.417	1434	0.7	-2.1	0.6	3.7	-0.2	-3339315	2.3	
20	398.717	1434.1	1.2	-0.7	0.7	2.9	-0.1	-3443668	2.1	
20	399.017	1434.1	1.3	-0.7	0.7	3.1	-0.1	-3548729	1.9	
20	399.317	1434.2	1.5	0.1	0.7	2.5	-0.2	-3647649	1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	399.617	1434.1	1.7	0.3	0.8	2.7	-0.3	-3718917	1.6	
20	399.917	1434	1.6	1.2	0.7	1.9	-0.4	-3779333	1.3	
20	400.217	1434	2	1.9	0.7	1.7	-0.5	-3813753	0.6	
20	400.517	1433.7	0.7	0.7	0.3	0.5	-0.5	-3813753	0.7	
20	400.817	1434.1	0.3	0.3	0.5	-0.1	-0.3	-3799910	0.6	
20	401.117	1433.9	1	0.3	0.3	0.2	-0.4	-3779333	0.5	
20	401.417	1433.8	0.5	-0.5	0.3	0.1	-0.4	-3758977	0.5	
20	401.717	1434.1	1.2	1	0.5	0.4	-0.3	-3738840	0.1	
20	402.017	1433.9	1.6	1.9	0.4	0.4	-0.4	-3725534	-0.1	
20	402.317	1433.7	1.3	1.3	0.5	0	-0.5	-3705753	-0.1	
20	402.617	1433.8	1.2	1.5	0.7	-0.3	-0.5	-3705753	0	
20	402.917	1433.8	1.1	1.5	1.1	0.2	-0.6	-3718917	0.1	
20	403.217	1433.9	1.3	2.7	1.3	0.6	-0.8	-3765738	0.2	
20	403.517	1434	1.3	3.3	1.6	0.3	-0.9	-3799910	0.4	
20	403.817	1433.7	0.4	3.2	1.6	0.2	-1.3	-3827697	1.1	
20	404.117	1433.7	0.3	3.3	1.6	-0.1	-1.6	-3848806	1.5	
20	404.417	1433.6	0.5	4.4	1.8	0.2	-2	-3884509	2	
20	404.717	1433.3	0.8	4.1	1.9	1.1	-2.4	-3920881	2.7	
20	405.017	1433.2	0.9	4.9	1.6	1.6	-2.6	-3965436	3.2	
20	405.317	1432.8	1.3	5.1	1.3	2.3	-2.9	-4018714	3.5	
20	405.617	1432.6	1.6	5.6	1	3.1	-3	-4097359	3.9	
20	405.917	1432.7	1.8	5.6	0.7	3.8	-2.8	-4195892	4.1	
20	406.217	1432.9	2.1	5.7	0.6	4.4	-2.4	-4325930	4	
20	406.517	1433.3	2.5	5.9	0.3	4.9	-1.7	-4464286	3.7	
20	406.817	1433.6	2.9	6	0.1	4.8	-1.1	-4611784	3.4	
20	407.117	1434	3.5	6.4	0.2	4.5	-0.4	-4758523	2.7	
20	407.417	1434.5	3.8	6.5	0.2	4.1	0.3	-4903396	2.3	
20	407.717	1435	3.9	6.3	0.5	3.8	0.9	-5008972	1.9	
20	408.017	1435.3	3.5	5.7	0.8	2.7	1.3	-5069613	1.5	
20	408.317	1435.6	2.9	4.8	1	1.8	1.6	-5081918	1.2	
20	408.617	1435.7	3	4.8	1	0.9	1.7	-5081918	0.8	
20	408.917	1435.7	2.3	2.6	1.2	0.1	1.6	-5045181	0.5	
20	409.217	1435.6	2.4	2.7	1.2	0	1.4	-4997017	0.4	
20	409.517	1435.1	2.6	2.4	1.1	-0.2	0.9	-4949764	0.3	
20	409.817	1434.7	3	3.4	0.9	0.2	0.5	-4903396	0.3	
20	410.117	1434.3	2.6	2	0.7	-0.3	0	-4857889	0.3	
20	410.417	1433.8	3	2.4	0.5	0.4	-0.5	-4791190	0.2	
20	410.717	1433.4	2.9	2.2	-0.1	0.5	-0.8	-4705057	0.1	
20	411.017	1433.1	3.6	2.9	-0.2	1	-1	-4581510	-0.1	
20	411.317	1432.6	2.8	1.6	-0.5	0.7	-1.2	-4435911	-0.2	
20	411.617	1432.4	2.7	1.4	-0.4	0.5	-1.4	-4272960	-0.2	
20	411.917	1432.2	2.6	1.1	-0.1	0.6	-1.6	-4081384	-0.1	
20	412.217	1432.1	2.4	0.7	0	0.5	-1.7	-3884509	0.1	
20	412.517	1432.3	2.4	0.8	0.4	1.2	-1.6	-3692681	0.3	
20	412.817	1432.4	2.1	0.1	0.8	1.4	-1.5	-3507119	0.7	
20	413.117	1432.9	2.1	1.4	1.1	1.9	-1.2	-3328697	1.2	
20	413.417	1432.8	2	1.7	1.3	1.9	-1.4	-3167550	1.5	
20	413.717	1432.8	1.6	0.6	1.6	2.1	-1.4	-3016931	1.9	
20	414.017	1432.8	1.5	1	1.7	2.6	-1.4	-2899931	2.1	
20	414.317	1432.8	1.2	0	1.6	2.6	-1.2	-2810403	2.3	
20	414.617	1432.8	0.9	-0.7	1.5	2.7	-1	-2754935	2.6	
20	414.917	1432.7	0.4	-0.9	1.2	2.4	-0.8	-2733356	2.8	
20	415.217	1432.5	-0.3	-1.5	0.8	2.1	-0.7	-2736929	3	
20	415.517	1432.6	-0.1	-1.2	0.4	2.2	-0.4	-2773179	3.1	
20	415.817	1432.7	-0.4	-1.7	0.3	1.4	-0.2	-2840910	3.2	
20	416.117	1432.7	0	-1.3	-0.2	2.1	0.1	-2924232	3.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	416.417	1432.7	-0.8	-1.2	-0.4	1.2	0.3	-3016931	3.3	
20	416.717	1432.6	-0.9	-1.2	-0.6	1.3	0.3	-3101852	3.4	
20	417.017	1432.4	-0.8	-1.3	-1	1.5	0.3	-3177163	3.5	
20	417.317	1432.3	-0.9	-1.7	-1.1	1.3	0.2	-3226118	3.4	
20	417.617	1432.4	-0.9	-1.8	-1	1.9	0.2	-3246125	3.4	
20	417.917	1432.4	-0.5	-1.8	-0.9	1.7	0	-3236090	3	
20	418.217	1432.4	0.8	-0.8	-0.8	2.6	-0.2	-3206356	2.5	
20	418.517	1432.7	0.8	-1	-0.5	2.1	-0.2	-3162765	2.2	
20	418.817	1432.8	1.1	-1	-0.1	2.5	-0.4	-3106455	1.9	
20	419.117	1433.1	1.2	-1.3	0.3	2.2	-0.5	-3052114	1.6	
20	419.417	1433.3	1.4	-1.5	0.8	1.9	-0.6	-3003946	1.1	
20	419.717	1433.7	1.9	-1.6	1.3	2	-0.7	-2969859	0.5	
20	420.017	1434	1.5	-2.3	1.8	1.3	-0.8	-2944797	0.2	
20	420.317	1434	1.6	-2.3	2.1	0.8	-1.1	-2932424	-0.1	
20	420.617	1434.1	1.7	-1.8	2.6	0	-1.3	-2932424	-0.2	
20	420.917	1434.1	1.7	-1.2	2.8	-0.3	-1.5	-2940661	-0.3	
20	421.217	1434	1.7	-1.3	3.4	-0.4	-1.9	-2948944	-0.4	
20	421.517	1434	2	-0.3	3.7	-0.6	-2.2	-2961457	-0.5	
20	421.817	1433.9	2	-0.4	4.1	-1.5	-2.6	-2978308	-0.5	
20	422.117	1433.8	1.7	-0.9	4.3	-2.5	-3	-3003946	0.1	
20	422.417	1433.7	1.7	-1.3	4.2	-2.4	-3.3	-3030029	0.7	
20	422.717	1433.6	1.9	-0.7	4.2	-2	-3.5	-3052114	1.4	
20	423.017	1433.3	2.2	-0.8	4	-1.3	-3.8	-3070015	2.1	
20	423.317	1432.8	2.5	-0.4	3.5	-0.8	-4	-3074523	2.8	
20	423.617	1432.2	2.2	-1.4	3.1	-0.3	-4.2	-3088127	3.7	
20	423.917	1431.8	3.1	0.3	2.5	1	-4.1	-3101852	4.5	
20	424.217	1431.4	4.7	2	1.9	2.6	-3.9	-3111070	4.7	
20	424.517	1431.4	6.6	4	1.5	4.6	-3.5	-3115700	4.4	
20	424.817	1431.6	8.1	5.7	1.2	5.3	-3	-3111070	3.6	
20	425.117	1431.9	9	6.6	1	5.4	-2.5	-3106455	2.8	
20	425.417	1432.2	9.4	7.3	0.8	4.9	-1.9	-3101852	2.2	
20	425.717	1432.6	10.4	8.3	0.7	4.8	-1.2	-3092689	1.3	
20	426.017	1432.6	10.8	8.8	0.4	4.6	-0.7	-3079045	0.5	
20	426.317	1432.8	11.2	9.6	0.4	4	-0.2	-3052114	-0.2	
20	426.617	1432.9	11.5	10	0.2	3	0.2	-3021285	-0.8	
20	426.917	1432.9	11.1	9.9	-0.1	1.1	0.5	-2995351	-1.1	
20	427.217	1433	11.1	10.2	-0.1	0.4	0.6	-2974077	-1.1	
20	427.517	1433.1	10.8	10.4	-0.2	-0.6	0.7	-2957275	-1.1	
20	427.817	1433.3	11.2	11.5	-0.1	0.1	0.7	-2936536	-1	
20	428.117	1433.5	11.3	11.4	0	-0.1	0.7	-2924232	-0.8	
20	428.417	1433.6	11.2	11.6	0.1	0.1	0.7	-2920154	-0.2	
20	428.717	1433.5	10.9	10.9	0.2	0.2	0.5	-2907987	0.6	
20	429.017	1433.7	10.6	11.4	0.5	0.4	0.4	-2903953	1.1	
20	429.317	1433.6	11.3	12.2	0.7	1.7	0.3	-2903953	1.6	
20	429.617	1433.5	11.2	12	0.7	2	0.1	-2903953	2.1	
20	429.917	1433.4	11.5	12.4	0.7	2.7	-0.1	-2903953	2.6	
20	430.217	1433.2	10.7	11.6	0.5	2.6	-0.3	-2903953	3.4	
20	430.517	1433	10.8	11.3	0.3	2.8	-0.5	-2903953	3.7	
20	430.817	1432.9	11	10.2	0.1	3.2	-0.6	-2899931	3.8	
20	431.117	1432.8	11.4	10.6	0.2	3.8	-0.8	-2879987	3.8	
20	431.417	1432.7	11.1	10	-0.2	3.5	-0.9	-2848640	3.8	
20	431.717	1432.4	11.4	10.2	-0.4	3.4	-1	-2806636	3.7	
20	432.017	1432.3	11.4	10	-0.6	2.9	-1	-2758564	3.4	
20	432.317	1432.4	12	10.1	-0.4	2.6	-1.1	-2715630	2.8	
20	432.617	1432.7	11.8	10.3	-0.2	2.4	-1.1	-2674011	2.5	
20	432.917	1432.9	12	10.4	0	2.1	-1.1	-2636965	2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	433.217	1433.1	11.9	10.2	0.2	1.5	-1.1	-2610661	1.8	
20	433.517	1433.4	11.9	10.2	0.6	0.8	-1.1	-2610661	1.4	
20	433.817	1433.8	12.1	10.4	1	0.9	-1.1	-2640291	0.9	
20	434.117	1433.9	12.1	10.1	1.2	0.6	-1.2	-2694660	0.7	
20	434.417	1434.3	12.5	10.5	1.6	0.8	-1.1	-2769511	0.5	
20	434.717	1434.5	12.8	11.1	1.6	0.6	-1.1	-2852521	0.2	
20	435.017	1434.9	13	11.3	1.7	0.7	-0.9	-2940661	0	
20	435.317	1435	13.1	11.2	1.6	0.5	-0.8	-3034421	-0.1	
20	435.617	1435.1	13.4	11.2	1.4	0.6	-0.6	-3129672	-0.4	
20	435.917	1435.1	13.5	11	1.1	0.9	-0.5	-3201453	-0.6	
20	436.217	1435.2	13.1	10.9	1	0.2	-0.5	-3256221	-0.7	
20	436.517	1435.3	13	9.9	1	-0.1	-0.4	-3276605	-0.7	
20	436.817	1435.4	13.1	8.4	0.9	-0.3	-0.3	-3271485	-0.8	
20	437.117	1435.5	12.8	6.2	1	-0.5	-0.2	-3246125	-0.8	
20	437.417	1435.6	12.8	4.7	1	-0.2	-0.2	-3211273	-0.8	
20	437.717	1435.5	13	4	1.1	0	-0.3	-3172349	-0.7	
20	438.017	1435.5	12.9	3.5	1.3	0	-0.3	-3134357	-0.5	
20	438.317	1435.6	12.1	1.7	1.5	-0.4	-0.3	-3092689	0.2	
20	438.617	1435.5	12.2	1.4	1.7	0.5	-0.5	-3052114	0.8	
20	438.917	1435.5	12.7	1.5	1.8	1	-0.5	-3025651	1.1	
20	439.217	1435.3	12.7	1.2	1.8	1	-0.5	-3012590	1.3	
20	439.517	1435	12.1	1	1.7	1.2	-0.6	-3012590	2	
20	439.817	1434.7	11.4	0.3	1.6	1.7	-0.7	-3021285	3	
20	440.117	1434.4	11.4	0.6	1.6	1.8	-0.8	-3038825	3.8	
20	440.417	1433.9	11.3	0.1	1.5	2.7	-1.1	-3061039	4.8	
20	440.717	1433.7	11.8	0.5	1.6	3.4	-1.4	-3092689	5.5	
20	441.017	1433.4	11.8	0.6	1.7	4.4	-2	-3125000	6	
20	441.317	1433	12.6	1.7	1.7	5.5	-2.7	-3157994	6.6	
20	441.617	1432.6	12.9	2.3	1.7	6.2	-3.3	-3191693	6.8	
20	441.917	1432.2	12.9	1.6	1.9	6.7	-3.9	-3226118	6.8	
20	442.217	1432	12.6	1.4	2	7.1	-4.2	-3251165	6.7	
20	442.517	1431.7	13.8	2.3	2.2	7.3	-4.5	-3286892	5.6	
20	442.817	1431.6	13.9	3.2	2.4	6.6	-4.6	-3328697	4.3	
20	443.117	1431.5	15.6	4.8	2.2	6.3	-4.6	-3371579	2	
20	443.417	1431.9	14.5	3.5	2.2	4.2	-4	-3415580	0.6	
20	443.717	1432.4	14.7	3.3	2.1	3.1	-3.3	-3460744	-0.7	
20	444.017	1433.1	14.3	3.2	2.2	1.1	-2.5	-3507119	-1.8	
20	444.317	1433.4	13.8	2.4	1.9	-0.3	-1.8	-3560800	-2.3	
20	444.617	1433.6	13	1.6	1.8	-1.4	-1.3	-3603701	-2.8	
20	444.917	1433.6	12.8	0.8	1.5	-2.8	-0.8	-3641305	-3.1	
20	445.217	1433.8	11.9	0.1	1.3	-3.4	-0.3	-3647649	-3	
20	445.517	1434	10.9	-1.1	1	-4.8	0.2	-3641305	-2.5	
20	445.817	1433.9	10	-1.9	0.8	-5	0.3	-3609914	-1.8	
20	446.117	1434.2	9.1	-2.8	0.8	-5.3	0.4	-3572953	-1.3	
20	446.417	1434.3	10	-2.1	0.8	-4.2	0.2	-3524832	-1.1	
20	446.717	1434.3	10.7	-1.4	0.9	-2.9	0.1	-3466474	-0.8	
20	447.017	1434.2	10.5	-2	0.7	-2.3	0	-3404472	-0.6	
20	447.317	1434.1	11.2	-1.6	0.7	-2.2	-0.1	-3328697	-0.2	
20	447.617	1434.1	10.7	-2.3	0.6	-1.8	-0.1	-3251165	0.3	
20	447.917	1434.1	10.7	-2.4	0.6	-1.3	-0.1	-3181991	0.5	
20	448.217	1433.7	11.8	-1.6	0.4	0.3	-0.2	-3106455	0.9	
20	448.517	1433.6	11.5	-2	0	0.6	-0.2	-3021285	1.2	
20	448.817	1433.4	11.8	-1.3	-0.3	0.8	-0.1	-2936536	1.8	
20	449.117	1433.3	11.8	-1.2	-0.6	0.8	0.1	-2852521	2.5	
20	449.417	1433.5	11.4	-1.7	-0.7	0.9	0.3	-2769511	2.9	
20	449.717	1433.5	13.6	0.8	-0.6	2.4	0.3	-2691196	3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	450.017	1433.4	13.7	0.9	-0.7	3.3	0.3	-2620464	3.7	
20	450.317	1433.2	14.1	1.1	-0.9	3.8	0.2	-2553354	4.1	
20	450.617	1433.2	14.7	1.8	-0.8	3.9	0.2	-2501494	4.5	
20	450.917	1433.3	15	2.9	-0.5	4.4	0.1	-2466137	4.7	
20	451.217	1433.2	15.6	3.4	-0.4	4.9	-0.1	-2454573	4.8	
20	451.517	1433.3	16.3	3.6	-0.1	5.7	-0.2	-2469045	4.9	
20	451.817	1433.5	16.3	3.6	0.1	5.9	-0.3	-2504486	4.7	
20	452.117	1433.4	17.6	5.5	0.2	6.1	-0.5	-2559597	4.4	
20	452.417	1433.5	17.5	6.1	0.4	5	-0.4	-2630340	4.1	
20	452.717	1433.7	18	6.6	0.7	5.3	-0.3	-2726238	3.2	
20	453.017	1433.8	18.8	7.5	0.8	4.4	-0.3	-2833221	2.3	
20	453.317	1433.8	19.1	7.3	1	3.9	-0.3	-2957275	1.4	
20	453.617	1433.9	19.2	7.4	1.1	3	-0.3	-3070015	0.4	
20	453.917	1433.9	19.1	6.5	1	2	-0.3	-3162765	-0.1	
20	454.217	1433.9	18.8	5.9	0.8	1.3	-0.3	-3231096	-0.6	
20	454.517	1433.8	18.3	5.4	0.7	-0.6	-0.4	-3281740	-1.2	
20	454.817	1433.6	19.5	6.9	0.6	0.4	-0.5	-3323413	-1.6	
20	455.117	1433.4	17.7	3.9	0.6	-1.6	-0.8	-3339315	-1.8	
20	455.417	1433.3	18.7	4.8	0.4	-1.2	-0.9	-3339315	-1.9	
20	455.717	1433	18.3	2.7	0.3	-1.2	-1.1	-3318146	-1.9	
20	456.017	1433.1	17.6	3.1	0.5	-1.8	-1.1	-3292060	-1.8	
20	456.317	1433.1	17.7	3	0.9	-1.6	-1.3	-3261293	-1.6	
20	456.617	1433.2	17.4	3.1	1.1	-1.3	-1.4	-3241100	-1.3	
20	456.917	1433.6	17.8	4	1.6	-0.5	-1.4	-3211273	-1	
20	457.217	1433.6	17.4	4.4	1.9	-0.6	-1.6	-3181991	-0.3	
20	457.517	1433.6	17	4.2	2.1	0.6	-1.7	-3148497	0.3	
20	457.817	1433.7	17.1	5.2	2.4	0.6	-1.7	-3101852	1	
20	458.117	1433.7	16	5.1	2.8	0.9	-1.9	-3043242	1.9	
20	458.417	1433.5	15.9	5.9	2.8	1.8	-2.2	-2982550	2.5	
20	458.717	1433.2	16.3	7.2	2.7	2.9	-2.5	-2920154	3.4	
20	459.017	1433.1	16	6	2.7	3.5	-2.6	-2852521	4.2	
20	459.317	1433	16.2	5.5	2.4	4.3	-2.7	-2780545	4.8	
20	459.617	1432.9	15.9	5.4	2.4	5.1	-2.8	-2701613	5.8	
20	459.917	1433	15.7	4.5	2.5	5.6	-2.8	-2630340	6.3	
20	460.217	1432.7	16.3	5.6	2.2	6.2	-2.9	-2565871	6.5	
20	460.517	1432.6	15.7	5	2.2	6.6	-2.8	-2510492	6.6	
20	460.817	1432.7	15.5	3.7	2.2	6.1	-2.6	-2463236	5.9	
20	461.117	1432.9	15.9	4.4	2.4	5.6	-2.4	-2423322	5.3	
20	461.417	1432.9	16	4.2	2.4	5.1	-2.2	-2395596	4.6	
20	461.717	1433	15.7	3.9	2.4	4.1	-2.1	-2379262	3.8	
20	462.017	1432.9	15.8	4.4	2.3	3.4	-2.1	-2373867	3.1	
20	462.317	1432.9	15.9	2.3	2	3.1	-2	-2376561	2.3	
20	462.617	1433	16	2.3	2	2.2	-1.7	-2379262	1.5	
20	462.917	1432.7	15.4	1.3	1.7	1.1	-1.7	-2384682	1	
20	463.217	1432.7	14.6	-0.1	1.4	0.5	-1.5	-2395596	0.5	
20	463.517	1432.5	14.8	-0.2	1	0.5	-1.4	-2406610	0	
20	463.817	1432.3	15	-0.6	0.8	0.5	-1.3	-2417726	-0.1	
20	464.117	1432.4	14.5	-1.8	0.5	0.1	-1.1	-2420521	-0.5	
20	464.417	1432.5	15	-1.3	0.5	0.4	-0.8	-2412155	-0.8	
20	464.717	1432.7	14.5	-3.1	0.4	-0.1	-0.5	-2398340	-1	
20	465.017	1432.7	14.2	-3.3	0.3	-0.7	-0.5	-2381969	-1.3	
20	465.317	1432.7	14.8	-3.2	0.4	-0.6	-0.3	-2363150	-1.5	
20	465.617	1432.8	13.7	-5.1	0.6	-0.9	-0.2	-2342003	-1.5	
20	465.917	1432.8	12.7	-6.4	0.7	-1.8	-0.2	-2321231	-1.5	
20	466.217	1432.8	12.8	-6.4	0.8	-1.2	-0.2	-2298299	-1.1	
20	466.517	1433	12	-7.1	1	-1.8	-0.2	-2280774	-0.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	466.817	1432.7	11.7	-7.1	0.8	-1.6	-0.5	-2270879	-0.2	
20	467.117	1432.6	11.2	-7.1	0.8	-1.6	-0.6	-2270879	0.5	
20	467.417	1432.7	11.1	-8.4	1	-0.8	-0.8	-2283261	0.7	
20	467.717	1432.5	12.3	-5.4	1.1	0.4	-1.1	-2305893	1.2	
20	468.017	1432.2	11.6	-7.1	1	0.6	-1.4	-2342003	1.9	
20	468.317	1432.1	11.2	-7.1	1.1	1.6	-1.6	-2390126	2.5	
20	468.617	1432.1	10.9	-6.7	1.1	1.5	-1.7	-2451699	3	
20	468.917	1432	11.5	-6.2	0.9	2.4	-1.8	-2528684	3.3	
20	469.217	1432.3	11.2	-6.2	1.3	2.5	-1.8	-2613921	3.4	
20	469.517	1432.2	12	-5.8	1.2	3.6	-1.9	-2701613	3.5	
20	469.817	1432.3	11.1	-6.3	1.1	3.6	-1.8	-2787950	3.6	
20	470.117	1432.4	11.4	-5.6	1.1	2.9	-1.7	-2864228	3.7	
20	470.417	1432.3	12	-5.1	1	3.8	-1.6	-2936536	3.7	
20	470.717	1432.5	11.5	-4.5	0.9	4.1	-1.4	-2999642	3.5	
20	471.017	1432.6	12	-3.9	0.9	4.9	-1.3	-3052114	3.2	
20	471.317	1432.7	12.7	-3.6	0.9	4.7	-1.1	-3097264	3	
20	471.617	1433	12.4	-3.6	0.6	4.4	-0.8	-3139056	2.7	
20	471.917	1433.2	12.5	-3.7	0.7	3.9	-0.5	-3181991	2.3	
20	472.217	1433.4	11.2	-4.7	0.7	2.8	-0.4	-3236090	1.9	
20	472.517	1433.5	12	-3.7	0.6	3.2	-0.3	-3297245	1.3	
20	472.817	1433.7	12.1	-4.2	0.7	2.8	-0.1	-3344649	0.9	
20	473.117	1433.9	10.5	-5.2	0.8	1.1	0.1	-3404472	0.7	
20	473.417	1433.9	9.6	-5.9	0.8	0	0.1	-3455033	0.4	
20	473.717	1433.9	10.4	-5.5	0.9	0.4	0.1	-3495409	0.2	
20	474.017	1434	10.2	-5.8	1.4	-0.2	-0.2	-3524832	-0.5	
20	474.317	1433.9	9.8	-5.9	1.6	-0.9	-0.6	-3524832	-0.9	
20	474.617	1433.9	9.4	-6.4	1.9	-1	-0.9	-3489584	-1.1	
20	474.917	1434	8.8	-7.1	2.1	-2.3	-1.1	-3432378	-1.2	
20	475.217	1433.8	8.5	-7.5	2.3	-3.1	-1.5	-3371579	-1.2	
20	475.517	1433.6	8.6	-6.8	2	-2.7	-1.7	-3297245	-1.2	
20	475.817	1433.4	8	-6.6	1.8	-3.1	-1.9	-3226118	-1.2	
20	476.117	1433	7.7	-7.1	1.2	-3.9	-2	-3162765	-1.1	
20	476.417	1432.6	7.3	-7.7	0.7	-4.2	-2	-3106455	-0.7	
20	476.717	1432.6	7.1	-7.4	0.4	-3.6	-1.8	-3065520	-0.2	
20	477.017	1432.5	7.3	-7.7	-0.2	-3	-1.4	-3052114	0.6	
20	477.317	1432.5	7.8	-6.7	-0.6	-1.9	-1.1	-3047672	1.1	
20	477.617	1432.4	8.7	-5.5	-0.9	-0.8	-0.8	-3061039	1.5	
20	477.917	1432.8	9.7	-5.1	-0.9	0.5	-0.3	-3088127	2.3	
20	478.217	1433.2	10.2	-3.5	-0.6	1.7	-0.1	-3134357	3.1	
20	478.517	1433.6	10.6	-2.1	0	2.7	0	-3196565	3.5	
20	478.817	1433.9	11.5	-1.3	0.5	3.7	0.1	-3271485	3.6	
20	479.117	1434.2	11.2	-0.8	0.9	3.2	0.1	-3360755	3.6	
20	479.417	1434.3	12.4	0.7	1.4	4.3	-0.1	-3466474	3.4	
20	479.717	1434.5	12.8	1.6	1.9	4	-0.4	-3591338	3.4	
20	480.017	1434.4	13.4	2.3	2.2	4.2	-0.8	-3725534	3.2	
20	480.317	1434.4	14.3	2	2.4	4.2	-1.1	-3870148	2.8	
20	480.617	1434.3	15.2	3.6	2.2	4	-1.3	-4018714	2.7	
20	480.917	1434.2	15.1	3.9	1.9	3.6	-1.4	-4162525	2.5	
20	481.217	1434	15.4	4.5	1.5	3.5	-1.4	-4290472	2.2	
20	481.517	1433.7	16	4.5	0.9	3.4	-1.3	-4389413	2.1	
20	481.817	1433.5	15.6	4.4	0.6	2.5	-1.2	-4435911	2	
20	482.117	1433.4	16.5	4.5	0.2	2.7	-1	-4426533	1.9	
20	482.417	1433.6	16.1	5	0.3	1.8	-0.8	-4380230	1.8	
20	482.717	1433.5	16.2	4.8	0.3	1.5	-0.8	-4281698	1.7	
20	483.017	1433.7	17.5	5.5	0.4	1.6	-0.6	-4129685	1.6	
20	483.317	1433.8	17.4	5.9	0.6	1.4	-0.6	-3950472	1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	483.617	1433.9	16.7	4.7	0.9	0.7	-0.7	-3772523	1.5	
20	483.917	1434	18.2	5.5	1.4	1.1	-0.8	-3603701	1.5	
20	484.217	1433.9	17.8	5.4	1.7	1.2	-1.1	-3466474	1.4	
20	484.517	1433.9	18.5	6	2	1.3	-1.4	-3371579	1.4	
20	484.817	1433.8	18.9	7.7	2	1.8	-1.5	-3312896	1.4	
20	485.117	1433.7	18.5	6.5	1.9	1.4	-1.6	-3292060	1.4	
20	485.417	1433.5	19.8	7.7	1.7	1.6	-1.7	-3323413	1.4	
20	485.717	1433.4	19.8	9.3	1.4	1.4	-1.6	-3393436	1.4	
20	486.017	1433.4	19.6	10	1.1	1.7	-1.5	-3501255	1.4	
20	486.317	1433.1	21.1	10.7	0.6	2.1	-1.4	-3647649	1.4	
20	486.617	1433.1	20.4	10.2	0.2	2	-1.1	-3827697	1.5	
20	486.917	1433.2	20.7	10.9	-0.3	1.8	-0.8	-4018714	1.6	
20	487.217	1433.1	20.9	11.5	-0.5	1.5	-0.7	-4195892	1.8	
20	487.517	1433.2	20.8	12	-0.8	1.9	-0.5	-4352911	2	
20	487.817	1433.3	21.7	13.2	-0.6	2	-0.5	-4473825	2.1	
20	488.117	1433.4	22.1	13.5	-0.6	2.7	-0.4	-4541757	2.4	
20	488.417	1433.7	21.9	13.9	-0.4	2.7	-0.3	-4561547	2.6	
20	488.717	1433.8	22.5	14.8	-0.2	2.7	-0.2	-4551631	2.8	
20	489.017	1434.1	22	14.7	0.1	2.8	-0.1	-4512393	3	
20	489.317	1434.6	22.4	15.3	0.3	3	0.1	-4454788	2.9	
20	489.617	1434.9	23.4	16.1	0.6	4	0.2	-4417194	2.9	
20	489.917	1435.2	23.4	15.6	0.7	3.9	0.3	-4398635	2.7	
20	490.217	1435.3	23.8	15.1	0.8	3.9	0.4	-4407895	2.3	
20	490.517	1435.3	23.8	14.1	0.8	3.2	0.4	-4445329	2	
20	490.817	1435.4	23.9	13.7	0.8	2.6	0.4	-4502689	1.4	
20	491.117	1435.3	24.1	13.5	0.9	2.6	0.2	-4581510	1	
20	491.417	1435.2	24	12.5	1	2.3	0	-4673549	0.8	
20	491.717	1435.2	23.8	12.6	1.1	2.1	-0.3	-4758523	0.2	
20	492.017	1435.2	23.8	11.4	1.3	1.4	-0.6	-4846644	0	
20	492.317	1435.2	23.5	10.7	1.6	1.2	-0.9	-4903396	-0.2	
20	492.617	1435	22.7	9.3	1.7	0.4	-1.4	-4938090	-0.2	
20	492.917	1434.9	23.2	8.9	2.2	0.4	-1.9	-4938090	-0.3	
20	493.217	1434.7	23.4	8.2	2.3	0.8	-2.2	-4880536	-0.3	
20	493.517	1434.6	22.6	7.5	2.6	0.1	-2.4	-4791190	-0.4	
20	493.817	1434.3	23	7.6	2.5	0.9	-2.5	-4684005	-0.4	
20	494.117	1434.2	21.4	5.4	2.5	-0.2	-2.5	-4551631	0	
20	494.417	1434.1	21.4	5.8	2.4	0	-2.3	-4417194	0.3	
20	494.717	1433.9	20.8	4.3	1.9	0.2	-2	-4290472	1	
20	495.017	1434	20.5	4.4	1.6	1.1	-1.5	-4162525	1.3	
20	495.317	1434	21.1	4.9	1.2	1.4	-0.9	-4034201	1.4	
20	495.617	1433.8	20.6	3.1	0.7	1.6	-0.4	-3913552	1.9	
20	495.917	1433.5	20.1	2.7	0.1	1.8	0	-3799910	2.4	
20	496.217	1433.3	19.4	2.7	-0.2	1.9	0.4	-3692681	3.1	
20	496.517	1433.1	19.5	1.3	-0.7	3.5	0.7	-3591338	3.1	
20	496.817	1432.9	19.5	1.7	-0.9	3.2	0.8	-3489584	3	
20	497.117	1432.8	19.6	1.1	-0.9	3.7	0.8	-3387945	2.9	
20	497.417	1432.7	18.6	-0.3	-1	3	0.7	-3302445	2.6	
20	497.717	1432.5	19.1	0.6	-0.9	2.9	0.5	-3236090	2.3	
20	498.017	1432.4	18.4	-1.4	-0.9	2.5	0.4	-3191693	2.2	
20	498.317	1432.2	18.8	-1	-0.7	2.4	0.1	-3162765	1.7	
20	498.617	1432	18.1	-1.5	-0.7	2	-0.1	-3148497	1.5	
20	498.917	1432.1	16.9	-4.2	-0.4	1	-0.3	-3134357	1.4	
20	499.217	1431.9	17.1	-3.3	-0.4	1	-0.5	-3129672	1.3	
20	499.517	1432	16.8	-3.9	-0.5	1.1	-0.5	-3120343	1.3	
20	499.817	1432	15.9	-5	-0.4	0.8	-0.6	-3111070	1.2	
20	500.117	1431.8	15.9	-4.9	-0.5	0.2	-0.7	-3097264	1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	500.417	1431.9	15.5	-6.2	-0.3	0.4	-0.7	-3070015	0.9	
20	500.717	1432.1	16.1	-6	0	0.7	-0.7	-3043242	0.6	
20	501.017	1432.3	15.9	-6	0.4	0.7	-0.6	-3003946	0.5	
20	501.317	1432.5	15	-7.5	0.5	0.6	-0.5	-2974077	0.4	
20	501.617	1432.7	15.3	-6.7	0.9	0.1	-0.5	-2953103	0.3	
20	501.917	1433.1	14.4	-8	1.3	-0.3	-0.4	-2936536	0.4	
20	502.217	1433.3	14	-9.4	1.7	-0.6	-0.5	-2928322	0.3	
20	502.517	1433.5	14.7	-8.7	2.1	0.3	-0.5	-2932424	0.3	
20	502.817	1433.4	13.5	-10.3	2.2	0.1	-0.8	-2957275	0.5	
20	503.117	1433.3	13.2	-10.6	2.4	-1.2	-1.1	-3003946	0.8	
20	503.417	1433	13.2	-10.7	2.3	-0.6	-1.4	-3074523	1.1	
20	503.717	1433	12.6	-11.5	2.5	-0.2	-1.7	-3167550	1.3	
20	504.017	1432.7	13.9	-10.1	2.8	1	-2.1	-3281740	1.6	
20	504.317	1432.4	13.3	-10.5	2.9	1.2	-2.5	-3426760	1.8	
20	504.617	1432.2	13.9	-9.9	3.1	1.9	-2.8	-3603701	1.9	
20	504.917	1432	13.5	-10	3.2	1	-3	-3806819	2.1	
20	505.217	1432.1	12.4	-10.3	3.5	1.2	-3.2	-4018714	2.1	
20	505.517	1432	14.2	-9	3.6	2.8	-3.3	-4212777	2	
20	505.817	1431.9	13.8	-9.6	3.5	2.8	-3.2	-4389413	2	
20	506.117	1431.8	13.1	-9.5	3.2	2.6	-3.1	-4531927	2	
20	506.417	1431.4	13.7	-9.3	2.9	2.1	-3	-4632191	1.9	
20	506.717	1431	13.4	-8	2.3	2.3	-2.8	-4673549	1.9	
20	507.017	1430.4	13.7	-7.7	1.6	2.1	-2.6	-4652778	1.7	
20	507.317	1430.1	14.4	-6.4	1.1	2.8	-2.3	-4581510	1.7	
20	507.617	1430.1	13	-7.5	0.5	2.2	-1.8	-4473825	1.8	
20	507.917	1430.1	13.5	-7.6	0.2	2.1	-1.4	-4334886	2	
20	508.217	1430.2	12.8	-7.8	-0.1	1.5	-1	-4170817	2.3	
20	508.517	1430.5	12.4	-7.7	-0.1	1.9	-0.6	-4003346	2.4	
20	508.817	1430.4	13.1	-6.3	-0.2	2.3	-0.5	-3841744	2.5	
20	509.117	1430.6	12.7	-6.8	-0.2	2.6	-0.2	-3692681	2.7	
20	509.417	1430.7	12.6	-6.9	0	2.4	-0.1	-3560800	2.7	
20	509.717	1430.7	13.1	-6.5	0.2	2.3	0	-3438014	2.7	
20	510.017	1430.7	12.9	-5.7	0.2	2.8	0	-3339315	2.7	
20	510.317	1430.6	12.6	-6.5	0.3	2.5	-0.2	-3266381	2.7	
20	510.617	1430.6	13.4	-5	0.2	3.5	-0.2	-3206356	2.7	
20	510.917	1430.6	12.6	-6.2	0.2	2.8	-0.5	-3162765	2.2	
20	511.217	1430.8	13	-5.1	0.3	2.6	-0.5	-3125000	1.8	
20	511.517	1431	12.2	-4.7	0.2	1.9	-0.5	-3097264	1.6	
20	511.817	1431.1	12	-5.1	0	1.4	-0.7	-3074523	1	
20	512.117	1431	12.5	-4.3	-0.5	1.1	-0.8	-3056570	0.7	
20	512.417	1431	12.6	-3.3	-0.9	1.1	-0.8	-3047672	0.6	
20	512.717	1431	12.1	-3.8	-1.1	0.4	-0.8	-3047672	0.5	
20	513.017	1431	12.4	-3.1	-1.2	0.4	-0.8	-3061039	0.8	
20	513.317	1431.2	11.7	-4.4	-1.3	0.5	-0.6	-3092689	1.3	
20	513.617	1431.6	11.3	-4.6	-1.2	0	-0.4	-3148497	1.8	
20	513.917	1431.9	11.1	-3.9	-1.2	1.2	-0.2	-3221154	2.7	
20	514.217	1432.8	10.5	-4.8	-0.7	1.2	0.2	-3318146	3.6	
20	514.517	1433.9	11.1	-3.3	0.2	1.7	0.7	-3449341	3.7	
20	514.817	1434.7	11.3	-2.7	0.7	1.2	1.1	-3609914	3.5	
20	515.117	1435.2	11.8	-2.9	1.1	1.9	1.4	-3799910	3	
20	515.417	1435.4	12.2	-1.3	1.4	1.9	1.5	-4018714	2.6	
20	515.717	1435.6	12.4	-0.8	1.5	1.6	1.6	-4264257	2.3	
20	516.017	1435.6	13.2	0	1.6	1.8	1.5	-4512393	1.6	
20	516.317	1435.6	13.1	0.5	1.7	1.4	1.4	-4747733	1	
20	516.617	1435.4	13.7	-0.2	1.4	1.7	1.1	-4973278	0.6	
20	516.917	1435.1	13.6	0.3	1.1	1.3	0.6	-5182550	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	517.217	1434.8	14.6	0.7	0.9	2.1	0.1	-5354860	0.1	
20	517.517	1434.5	13.8	0.3	0.7	0.9	-0.4	-5481021	0.3	
20	517.817	1434.1	13.3	0.9	0.7	0.6	-1	-5539021	0.4	
20	518.117	1433.8	14.5	0.3	0.8	1.9	-1.5	-5539021	0.5	
20	518.417	1433.4	14.6	0.8	0.8	1.7	-2	-5495407	0.7	
20	518.717	1433.2	14.2	1.1	1	2.1	-2.3	-5424223	0.9	
20	519.017	1433	14.6	0.9	1	2.9	-2.5	-5382391	1.2	
20	519.317	1433	13.9	0.5	1.3	2.7	-2.6	-5341199	1.4	
20	519.617	1433	13.9	0.2	1.3	2.5	-2.6	-5327608	1.5	
20	519.917	1433.2	14.5	0.1	1.6	3.4	-2.4	-5314087	1.6	
20	520.217	1433.4	14	1	1.6	3.9	-2.1	-5327608	1.6	
20	520.517	1433.5	13.7	0.2	1.7	3	-1.9	-5354860	1.4	
20	520.817	1433.6	14	1.2	1.7	3.1	-1.6	-5354860	1.4	
20	521.117	1433.5	12.9	0.5	1.3	2.9	-1.4	-5354860	1.6	
20	521.417	1433.6	12	-1.1	1.1	1.9	-1.1	-5300633	1.7	
20	521.717	1433.5	11.6	-1.1	0.8	2	-1	-5182550	1.8	
20	522.017	1433.7	11.2	-1.4	0.6	1.9	-0.8	-5033053	1.7	
20	522.317	1433.6	11.5	-1.6	0.2	2	-0.7	-4857889	1.7	
20	522.617	1433.6	10.1	-2.8	-0.2	0.9	-0.5	-4673549	1.7	
20	522.917	1433.6	9.6	-3	-0.3	0.7	-0.5	-4493026	1.6	
20	523.217	1433.7	9.9	-3.5	-0.3	0.7	-0.4	-4343880	1.5	
20	523.517	1434	9	-3.6	-0.2	0.5	-0.2	-4195892	1.4	
20	523.817	1434.2	8.9	-4.1	0.1	0.6	-0.2	-4057655	1.1	
20	524.117	1434.3	8.9	-3.3	0.4	0.9	-0.2	-3928237	1.1	
20	524.417	1434.8	8	-4	0.6	0.2	-0.1	-3793026	1.1	
20	524.717	1435.1	7.8	-4.7	0.9	-0.4	-0.1	-3641305	1.1	
20	525.017	1435.2	7.8	-4.8	1.1	0.3	-0.1	-3489584	1.1	
20	525.317	1435.3	7.2	-4.9	1.3	0	-0.2	-3333997	1.2	
20	525.617	1435.3	7.4	-5	1.3	0.2	-0.3	-3186835	1.3	
20	525.917	1435.2	6.8	-4.9	1.2	0.2	-0.5	-3052114	1.4	
20	526.217	1434.9	6.9	-4.4	1	0.5	-0.8	-2936536	1.6	
20	526.517	1434.8	6.5	-4.6	0.9	0.1	-1	-2833221	1.7	
20	526.817	1434.9	6.6	-3.9	0.6	0.8	-1.1	-2751315	1.8	
20	527.117	1434.9	7.1	-4	0.5	1.4	-1.3	-2694660	1.8	
20	527.417	1434.8	7	-4.3	0.6	1.2	-1.4	-2660420	1.8	
20	527.717	1434.8	7.1	-4.7	0.4	1.8	-1.4	-2646966	1.8	
20	528.017	1434.8	7.2	-5	0.6	2.1	-1.4	-2653676	1.8	
20	528.317	1434.9	6.9	-5.5	0.7	2.2	-1.3	-2680858	1.7	
20	528.617	1435.2	7.1	-6.1	1	2.3	-1.1	-2733356	1.7	
20	528.917	1435.5	7.2	-5.9	1.1	2.5	-0.8	-2799132	1.7	
20	529.217	1436	7.1	-6.6	1.5	2	-0.5	-2883954	1.5	
20	529.517	1436.3	7.2	-6.4	1.6	1.6	-0.2	-2978308	1.4	
20	529.817	1436.1	7.4	-7.2	1.6	1.8	-0.1	-3074523	1.5	
20	530.117	1436.2	6.9	-6.9	1.3	1.3	0.1	-3167550	1.5	
20	530.417	1436	6.3	-7	1.2	0.7	0	-3251165	2	
20	530.717	1435.9	5.9	-8.6	1.1	0.8	-0.2	-3328697	2.4	
20	531.017	1435.7	6	-8.6	0.9	1.1	-0.5	-3393436	2.7	
20	531.317	1435.5	6.3	-7.9	0.9	2	-0.9	-3443668	3.3	
20	531.617	1435.2	6.5	-8.1	0.9	2.8	-1.4	-3477990	3.7	
20	531.917	1434.9	6.8	-7.1	0.9	3.4	-1.9	-3507119	4.1	
20	532.217	1434.5	7.2	-6.7	1	4.1	-2.3	-3518908	4.5	
20	532.517	1434.7	7.1	-7.4	1.4	4.3	-2.5	-3518908	4.4	
20	532.817	1434.8	8	-6	1.9	5.2	-2.6	-3501255	3.7	
20	533.117	1435.1	8.2	-5.5	2.2	5.3	-2.4	-3477990	3	
20	533.417	1435.3	8.1	-5.9	2.3	4.5	-2.3	-3438014	1.9	
20	533.717	1435.4	8	-4.9	2.4	3.5	-2.1	-3387945	1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	534.017	1435.5	7.7	-4.3	2.5	2.6	-1.9	-3339315	0.4	
20	534.317	1435.6	7.8	-3.8	2.6	1.7	-1.7	-3292060	-0.6	
20	534.617	1435.4	7.8	-3.4	2.6	0.9	-1.6	-3241100	-1.2	
20	534.917	1435.4	7.5	-4	2.4	0.4	-1.4	-3191693	-1.4	
20	535.217	1435.1	6.7	-3.4	2.1	-1	-1.4	-3148497	-1.5	
20	535.517	1434.8	5.8	-3.8	1.8	-1.5	-1.4	-3120343	-1.2	
20	535.817	1434.8	5	-4.9	1.6	-1.8	-1.3	-3106455	-1	
20	536.117	1434.7	4.6	-4.4	1.1	-1.9	-1.2	-3106455	-0.8	
20	536.417	1434.5	4.6	-4.3	0.8	-1.7	-1.2	-3120343	-0.5	
20	536.717	1434.5	4.2	-4.7	0.6	-1.9	-1.1	-3153238	-0.2	
20	537.017	1434.4	4.2	-3.8	0.5	-1.6	-1	-3196565	0.1	
20	537.317	1434.2	4.3	-3.5	0.2	-1.2	-0.9	-3251165	0.3	
20	537.617	1434.1	4.3	-3.5	0.1	-0.6	-0.8	-3312896	0.5	
20	537.917	1433.8	3.9	-3.3	0	0	-0.8	-3377017	0.9	
20	538.217	1433.8	3.4	-4	0	0.3	-0.7	-3426760	1.4	
20	538.517	1434.2	3.4	-3.4	0.2	0.7	-0.5	-3460744	1.4	
20	538.817	1434.2	3.8	-3.1	0.5	1.3	-0.5	-3472223	1.5	
20	539.117	1434.4	4	-2.5	0.5	1.6	-0.3	-3443668	1.5	
20	539.417	1434.5	4	-2.6	0.6	1.7	-0.3	-3393436	1.5	
20	539.717	1434.3	4.1	-3	0.7	1.7	-0.4	-3318146	1.5	
20	540.017	1434.4	4	-3	0.9	1.6	-0.4	-3231096	1.5	
20	540.317	1434.4	3.8	-3.3	1.1	2	-0.4	-3134357	1.4	
20	540.617	1434.3	3.9	-3.3	1.1	2.3	-0.4	-3052114	1.4	
20	540.917	1434.3	3.5	-3.4	0.9	1.8	-0.4	-2995351	1.3	
20	541.217	1434	3.4	-3.7	0.7	1.5	-0.5	-2961457	1.3	
20	541.517	1434	3.5	-3.7	0.6	1.4	-0.5	-2953103	1.2	
20	541.817	1433.9	3.4	-3.7	0.5	1.4	-0.5	-2974077	1.2	
20	542.117	1433.8	3.5	-3.7	0.6	1.4	-0.6	-3021285	1.1	
20	542.417	1433.7	3.4	-4	0.5	1.4	-0.7	-3088127	1.2	
20	542.717	1433.6	2.5	-4.4	0.6	0.7	-0.8	-3172349	1.3	
20	543.017	1433.5	2.6	-3.7	0.5	0.9	-0.9	-3266381	1.4	
20	543.317	1433.3	2.5	-3.4	0.5	1.1	-1.1	-3350000	1.6	
20	543.617	1433.4	2.6	-3.4	0.8	1.2	-1.1	-3426760	1.7	
20	543.917	1433.4	2.6	-3.7	0.9	1.3	-1.1	-3483777	2	
20	544.217	1433.4	2.4	-4.1	1.1	1.2	-1.1	-3530776	2.2	
20	544.517	1433.4	2.2	-4.6	1.1	1.2	-1.1	-3566866	2.4	
20	544.817	1433.3	2.5	-4.7	1.1	1.8	-1.1	-3597509	2.6	
20	545.117	1433.3	2.3	-4.8	1	2.3	-1	-3616149	3	
20	545.417	1433.4	2.3	-5.7	1	2.5	-0.8	-3634983	3.1	
20	545.717	1433.5	2.4	-5.8	1.1	2.9	-0.6	-3647649	3.2	
20	546.017	1433.4	2.8	-5.3	0.9	2.9	-0.5	-3654014	3	
20	546.317	1433.3	3	-5	0.8	3	-0.5	-3654014	2.7	
20	546.617	1433	3.3	-4.4	0.5	3.1	-0.3	-3647649	2.5	
20	546.917	1433	3.3	-4.5	0.5	2.8	-0.2	-3628683	2.1	
20	547.217	1433	3.2	-4.6	0.7	2.2	-0.2	-3603701	1.7	
20	547.517	1432.9	3.5	-4	0.7	2.4	-0.2	-3566866	1.3	
20	547.817	1432.9	3.2	-3.5	0.7	1.9	-0.2	-3530776	0.9	
20	548.117	1432.7	2.8	-3	0.6	1.2	-0.5	-3495409	0.7	
20	548.417	1432.6	3.1	-1.9	0.5	1.2	-0.7	-3460744	0.7	
20	548.717	1432.7	2.8	-1.8	0.8	0.6	-0.9	-3421161	0.7	
20	549.017	1432.2	2.9	-1.7	0.8	0.5	-1.3	-3382472	0.9	
20	549.317	1431.9	3	-1.2	0.4	1	-1.4	-3333997	1.4	
20	549.617	1431.7	2.9	-1.3	0.3	1.4	-1.6	-3286892	1.9	
20	549.917	1431.4	2.4	-1.9	0.3	1.6	-1.8	-3241100	2.7	
20	550.217	1431.4	2.1	-2.2	0.3	2.5	-1.9	-3196565	3.4	
20	550.517	1431.7	2.2	-1.7	0.6	3.5	-1.8	-3148497	3.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	550.817	1432.1	2.3	-1.1	0.8	3.6	-1.5	-3101852	3.6	
20	551.117	1432.3	2.7	-0.7	0.7	4	-1.3	-3056570	3.4	
20	551.417	1432.5	3.2	-0.6	0.8	4.4	-1.1	-3016931	2.9	
20	551.717	1432.7	3.5	-0.5	0.9	4	-0.9	-2978308	2.5	
20	552.017	1433	3.6	-0.4	1.1	3.6	-0.8	-2940661	2	
20	552.317	1433	3.4	-0.7	1.2	3	-0.8	-2907987	1.4	
20	552.617	1433.1	2.8	-1.2	1.2	2.2	-0.7	-2883954	1	
20	552.917	1433.1	1.8	-2	1	1	-0.7	-2860315	0.7	
20	553.217	1433.1	1.5	-2.4	1	0.3	-0.8	-2840910	0.5	
20	553.517	1433.2	1.3	-2.2	1.1	-0.3	-0.9	-2825574	0.5	
20	553.817	1433.3	0.6	-2.8	1.3	-1.1	-1.1	-2806636	0.6	
20	554.117	1433.5	1	-2.5	1.6	-0.3	-1.1	-2784243	0.9	
20	554.417	1433.7	1.2	-2.2	1.8	-0.1	-1.1	-2762204	1.3	
20	554.717	1433.8	1.1	-2.4	2	-0.2	-1.1	-2740511	1.4	
20	555.017	1433.9	1.1	-2.3	2.1	0.2	-1.1	-2712112	1.7	
20	555.317	1433.9	0.8	-1.7	2.1	0.8	-1.1	-2677430	2	
20	555.617	1433.8	1.1	-1.5	2.1	1.4	-1.2	-2636965	2.2	
20	555.917	1433.7	1.4	-1.1	1.9	1.8	-1.2	-2591275	2.2	
20	556.217	1433.7	1.3	-1.3	1.8	2.3	-1.2	-2544047	2.2	
20	556.517	1433.3	0.9	-1.7	1.4	1.8	-1.3	-2501494	2.1	
20	556.817	1433	1.5	-0.9	1.1	2	-1.4	-2454573	2	
20	557.117	1432.9	1.9	-0.3	0.9	2.4	-1.4	-2406610	1.6	
20	557.417	1432.6	2.3	-0.2	0.7	2.5	-1.5	-2363150	1.2	
20	557.717	1432.7	2.2	-0.1	0.7	2.1	-1.4	-2323808	0.9	
20	558.017	1432.7	2.2	-0.1	0.7	1.8	-1.4	-2290756	0.5	
20	558.317	1432.8	2.3	-0.1	0.8	1.1	-1.3	-2270879	0.2	
20	558.617	1432.9	1.8	-1	0.7	0.9	-1.2	-2258631	0	
20	558.917	1433	1.4	-1.6	0.8	0.9	-1.2	-2251345	-0.1	
20	559.217	1432.9	1.8	-1.5	0.9	0.7	-1.2	-2256197	0	
20	559.517	1432.9	1.1	-2.2	0.8	0	-1.2	-2268419	0.1	
20	559.817	1432.9	0.8	-2.4	1.1	-0.2	-1.3	-2288252	0.2	
20	560.117	1432.9	1.2	-2.3	0.8	0.4	-1.3	-2318661	0.3	
20	560.417	1433	0.8	-2.4	1	0.4	-1.4	-2355175	0.6	
20	560.717	1433	1.3	-1.5	1	0.7	-1.4	-2392858	0.7	
20	561.017	1433.1	0.5	-2.6	1	1	-1.4	-2426130	1.4	
20	561.317	1433.5	-0.2	-3	1.2	0.7	-1.4	-2454573	1.7	
20	561.617	1433.5	0.6	-2.3	1.2	1.5	-1.4	-2480747	2	
20	561.917	1433.6	0.5	-2.5	1.3	1.8	-1.4	-2498509	2.2	
20	562.217	1433.7	0.2	-2.7	1.4	2	-1.4	-2513506	2.3	
20	562.517	1434	-0.1	-2.5	1.6	1.9	-1.3	-2531742	2.3	
20	562.817	1434	-0.2	-2.3	1.7	1.7	-1.4	-2547142	2.2	
20	563.117	1434	0.3	-1.9	1.7	1.8	-1.4	-2562730	1.9	
20	563.417	1434.1	-0.1	-2.4	2	2	-1.5	-2581690	1.6	
20	563.717	1434.3	0.2	-2.5	2.1	1.8	-1.6	-2604167	0.5	
20	564.017	1434.5	0.4	-2.8	2.3	1.1	-1.7	-2633648	-0.4	
20	564.317	1434.5	0.7	-2.8	2.2	1.5	-1.7	-2660420	-1	
20	564.617	1434.5	0.1	-3.5	2.2	0.1	-1.7	-2687741	-2	
20	564.917	1434.5	-0.7	-4.1	2.4	-0.7	-1.9	-2712112	-2.7	
20	565.217	1434.5	-0.3	-3.1	2.5	-0.6	-2	-2733356	-3.6	
20	565.517	1434.4	-0.5	-2.3	2.5	-1.3	-2	-2758564	-4.4	
20	565.817	1434.2	-1.5	-3	2.2	-2.2	-2	-2787950	-4.9	
20	566.117	1434.2	-2	-3.3	2.1	-2.5	-2	-2825574	-5.1	
20	566.417	1434.3	-2.8	-3.4	2.1	-2.7	-1.9	-2860315	-5	
20	566.717	1434.3	-4	-5	2.1	-2.9	-1.9	-2887932	-4.4	
20	567.017	1434.2	-4.3	-5.5	1.9	-1.3	-1.9	-2912031	-3.8	
20	567.317	1434.1	-5.3	-6.4	1.6	-0.2	-1.8	-2936536	-2.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	567.617	1433.9	-6.3	-7.4	1.2	0.3	-1.7	-2961457	-1.8	
20	567.917	1433.8	-7.5	-8.3	0.9	0.9	-1.5	-2982550	-0.6	
20	568.217	1433.9	-8.3	-9.4	0.8	2.4	-1.3	-3008262	0.7	
20	568.517	1433.9	-9.4	-10.8	0.7	3.2	-1.2	-3034421	1.5	
20	568.817	1433.8	-10.6	-11.9	0.5	4	-1.2	-3065520	2.5	
20	569.117	1433.8	-11.8	-12.7	0.4	4.6	-1.1	-3111070	3.2	
20	569.417	1433.9	-13.8	-15.3	0.4	4	-0.9	-3172349	3.8	
20	569.717	1434.1	-15.3	-17.2	0.7	4	-0.8	-3261293	4.3	
20	570.017	1434.3	-16.6	-18.9	0.8	3.8	-0.6	-3371579	4.4	
20	570.317	1434.5	-17.6	-19.8	0.9	3.9	-0.5	-3495409	4.4	
20	570.617	1434.6	-18.6	-20.8	1	3.7	-0.4	-3634983	4.4	
20	570.917	1434.7	-20.3	-22.6	1.1	2.6	-0.3	-3772523	4.3	
20	571.217	1434.7	-21.4	-23.2	1.1	2.5	-0.3	-3898976	4.2	
20	571.517	1434.7	-22.3	-23.7	1	2.3	-0.2	-4011016	4.2	
20	571.817	1434.5	-23.8	-25.6	1	1.7	-0.3	-4113458	4.3	
20	572.117	1434.3	-24.7	-25.8	0.8	2	-0.3	-4179142	4.6	
20	572.417	1434.4	-25.7	-26.5	0.6	1.9	-0.2	-4229798	4.8	
20	572.717	1434.3	-26.6	-27.8	0.4	1.8	-0.2	-4255590	5.2	
20	573.017	1434.2	-27.4	-28.2	0.1	1.4	-0.2	-4272960	5.5	
20	573.317	1434	-27.7	-29	-0.1	3	-0.2	-4272960	6.1	
20	573.617	1433.9	-28.8	-29.3	-0.4	2.1	-0.2	-4290472	6.6	
20	573.917	1433.9	-29	-28.8	-0.3	2.7	-0.2	-4317011	6.7	
20	574.217	1433.7	-28.5	-29.1	-0.4	2.6	-0.3	-4352911	6.9	
20	574.517	1433.6	-29	-29.5	-0.4	2.5	-0.3	-4407895	6.9	
20	574.817	1433.7	-29	-29.2	-0.4	2.2	-0.4	-4464286	6.9	
20	575.117	1433.7	-28.8	-28.7	-0.3	2.3	-0.5	-4541757	6.9	
20	575.417	1434	-28.1	-27.9	-0.1	2.3	-0.4	-4663141	6.8	
20	575.717	1434	-28.9	-29.2	-0.2	1.1	-0.4	-4824309	6.8	
20	576.017	1434.3	-27.1	-27	-0.1	1.9	-0.2	-5033053	6.2	
20	576.317	1434.2	-27.6	-27.8	-0.3	0.5	-0.3	-5314087	5.7	
20	576.617	1434.4	-24.7	-25.1	-0.1	0.4	-0.6	-5674120	4.1	
20	576.917	1434.4	-24.5	-25.2	0.2	-0.8	-0.8	-6140030	3.1	
20	577.217	1434.6	-22.9	-23	0.2	-0.5	-0.8	-6775890	2.3	
20	577.517	1434.7	-21.8	-21.1	0.5	-0.9	-0.9	-7613637	1.4	
20	577.817	1434.9	-19.8	-19.5	0.6	-0.4	-0.9	-8760460	0.5	
20	578.117	1435.1	-18.7	-18.2	0.8	0	-0.8	-1E+07	0.1	
20	578.417	1435.3	-16.9	-15.4	1	-0.1	-0.7	-1.3E+07	-0.4	
20	578.717	1435.7	-15.9	-13.9	1.6	0.2	-0.5	-1.6E+07	-0.9	
20	579.017	1436.4	-13.5	-10.7	2	0.5	-0.2		-1.8	
20	579.317	1436.4	-12.2	-8.2	1.8	0.7	0.1		-2.1	
20	579.617	1436.7	-11.3	-7	1.6	0.9	0.6		-2.2	
20	579.917	1436.4	-10.3	-5	1	0.3	0.8		-2.2	
20	580.217	1436.4	-9.7	-3.4	0.8	0.1	0.9		-2.3	
20	580.517	1436.1	-8.2	-0.7	0.4	0.4	0.9		-2.2	
20	580.817	1435.6	-7.3	1	0.1	0.6	0.7		-2.1	
20	581.117	1434.9	-6.5	2.9	-0.5	0.8	0.4		-1.6	
20	581.417	1434.7	-6.9	3.7	-0.6	-0.3	0.1		-1	
20	581.717	1434.6	-5.5	6.3	-0.6	0.8	-0.1		-0.5	
20	582.017	1434.4	-6	7.8	-0.4	-0.6	-0.6		-0.5	
20	582.317	1434.6	-3.9	11.4	0.3	1.8	-0.8		-0.4	
20	582.617	1434.6	-4.4	12.2	0.6	0.2	-1		-0.3	
20	582.917	1434.6	-3	14.6	0.9	1.3	-1.2		-0.2	
20	583.217	1434.4	-3.1	15.5	1.1	0.6	-1.4		-0.2	
20	583.517	1434.3	-1.8	18.5	1.2	1.7	-1.3		-0.4	
20	583.817	1434.1	-1.7	19.7	1.1	1.3	-1.3		-0.5	
20	584.117	1434.1	-1.3	21	1.1	0.9	-1.3	19208716	-0.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	584.417	1434	-0.6	23.2	0.8	2	-1.1	16750000	-0.9	
20	584.717	1433.9	-1.9	22.8	0.6	-1.1	-1.1	14539931	-1.3	
20	585.017	1433.7	-0.2	25.5	0.3	1.5	-1.1	12462798	-1.4	
20	585.317	1433.8	-0.8	25.8	-0.1	0.2	-0.8	10628173	-1.3	
20	585.617	1433.8	-0.5	26.9	-0.4	0.9	-0.5	9223568	-1.1	
20	585.917	1433.9	-1.3	26.4	-0.5	0	-0.2	8083977	-0.8	
20	586.217	1434	-0.1	28.7	-0.7	1.1	0.2	7269965	-0.7	
20	586.517	1434	-0.6	28.4	-1.1	1.1	0.6	6604890	-0.2	
20	586.817	1434.1	-0.9	27.6	-1.1	0.2	0.9	5999284	0.1	
20	587.117	1434.3	-0.4	28.6	-1.1	2.4	1.3	5466710	0.8	
20	587.417	1434.5	-1.9	27.1	-1	-0.1	1.6	5033053	1.1	
20	587.717	1434.8	-1.6	27.2	-1	1.2	1.9	4652778	1.6	
20	588.017	1435	-1.9	26.2	-1	1.7	2.2	4325930	2	
20	588.317	1435	-2.4	26.5	-1.1	1.7	2.4	4049807	2.1	
20	588.617	1434.8	-2.2	24.9	-1.2	1.3	2.4	3799910	2.3	
20	588.917	1434.8	-2.6	25	-1.1	1.1	2.3	3579060	2.3	
20	589.217	1434.6	-1.4	23.3	-1.3	2.1	2.2	3398945	2.3	
20	589.517	1434.4	-2.1	22.4	-1.5	1.2	2	3256221	2.2	
20	589.817	1434.1	-1.2	21.7	-1.5	2.4	1.7	3157994	1.9	
20	590.117	1434.1	-1.5	20.3	-1.6	2	1.7	3088127	1.8	
20	590.417	1433.8	-2.7	17.1	-1.7	0.5	1.4	3043242	1.4	
20	590.717	1433.4	-2.7	16	-1.7	0.3	1	3008262	1.1	
20	591.017	1433.3	-2.3	14.6	-1.5	0.8	0.7	2974077	0.8	
20	591.317	1433.3	-2.3	13.6	-1.5	0.1	0.4	2932424	0.2	
20	591.617	1433.3	-1.5	12	-1.4	0.4	0.3	2879987	0.2	
20	591.917	1433.5	-1.8	10.4	-1.3	0.5	0.3	2814181	0.1	
20	592.217	1433.4	-1.6	9.7	-1.3	-0.1	0.2	2719156	0	
20	592.517	1433.2	-1.9	8.4	-1.4	-0.2	-0.1	2604167	0	
20	592.817	1433.2	-1.8	7.9	-1.2	0.4	-0.2	2469045	-0.2	
20	593.117	1433.3	-1.4	6.8	-1.2	1	0	2321231	-0.1	
20	593.417	1433.5	-2.4	4.9	-1.1	0	0.2	2176456	-0.2	
20	593.717	1434	-1.9	4.6	-0.9	0.7	0.6	2038706	-0.4	
20	594.017	1434.3	-2	4.9	-1	0.5	1	1912101	-0.3	
20	594.317	1434.7	-2.4	3.1	-0.9	-0.1	1.3	1803403	-0.4	
20	594.617	1434.9	-1.8	4.2	-0.9	0.9	1.6	1711980	-0.3	
20	594.917	1435.2	-1.9	2	-0.9	1.1	2	1630647	-0.2	
20	595.217	1435.4	-2.1	2.3	-1	0.9	2.4	1559011	-0.2	
20	595.517	1435.5	-2.3	0.7	-1.2	1	2.6	1501974	0	
20	595.817	1435.5	-3	0.1	-1.4	1.2	2.8	1456016	0.1	
20	596.117	1435.3	-3.6	-1.8	-1.8	1	2.7	1419493	0.5	
20	596.417	1435.2	-4.1	-2.4	-2.2	1.1	2.6	1392122	0.7	
20	596.717	1435.1	-3.6	-2.3	-2.4	2.5	2.6	1369360	1	
20	597.017	1435	-4.5	-3.9	-2.6	1.7	2.6	1343872	1.1	
20	597.317	1435	-4.6	-2.7	-2.7	1.7	2.5	1323484	1.1	
20	597.617	1434.9	-4.6	-4.4	-2.9	2.5	2.5	1306146	1.4	
20	597.917	1434.9	-5.2	-4.4	-2.8	1.9	2.5	1290846	1.4	
20	598.217	1434.7	-5.9	-5.4	-3	2.2	2.5	1278237	1.5	
20	598.517	1434.9	-6.3	-5	-2.9	2.4	2.7	1265107	1.6	
20	598.817	1435.2	-7.1	-7	-2.7	1.9	2.9	1251496	1.4	
20	599.117	1435.2	-7.8	-7.2	-2.7	1.6	2.9	1236711	1.4	
20	599.417	1435.2	-8.4	-7.5	-2.5	1.5	2.8	1223701	1.3	
20	599.717	1435.2	-8.4	-8	-2.4	2	2.6	1209562	1.3	
20	600.017	1435.1	-9.4	-7.5	-2.3	1.4	2.3	1193021	1.3	
20	600.317	1434.9	-9.1	-7.5	-2.3	2.2	1.9	1176927	1.2	
20	600.617	1435	-10.2	-8.3	-2.2	2	1.7	1158690	1.3	
20	600.917	1434.9	-10.5	-8.1	-2	1.7	1.5	1138528	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	601.217	1434.9	-11.2	-9	-2.1	1.9	1.4	1117264	1.1	
20	601.517	1434.9	-12.4	-9.8	-2	1.4	1.4	1093343	1.1	
20	601.817	1434.9	-12.8	-11.4	-2.2	2.3	1.6	1069332	1	
20	602.117	1435	-13.7	-11.6	-2.5	1.7	2	1045831	1	
20	602.417	1435.4	-14.4	-13.2	-2.6	0.6	2.6	1021343	0.9	
20	602.717	1435.7	-15	-13.5	-3.1	1.1	3.4	995603	1.1	
20	603.017	1436.2	-15.9	-13.2	-3.4	0.8	4.2	970678	1.1	
20	603.317	1436	-16	-13.3	-3.9	1	4.6	947400	1.3	
20	603.617	1436	-16.9	-14.6	-4.4	1	5.2	925212	1.3	
20	603.917	1435.9	-17.7	-15.4	-4.5	1.2	5.5	905995	1.2	
20	604.217	1435.8	-19.9	-18.4	-4.4	0	5.3	888690	1.2	
20	604.517	1435.9	-20.4	-18.6	-4.6	0.4	5.1	872761	1.2	
20	604.817	1435.8	-18.7	-17.1	-4.8	2.8	5	858800	1.4	
20	605.117	1436	-20.9	-19	-4.7	1.5	4.8	846988	1.6	
20	605.417	1435.9	-21	-19.2	-4.6	2.2	4.3	836832	1.4	
20	605.717	1435.7	-20.9	-19.5	-4.4	2.2	3.9	827571	1.3	
20	606.017	1435.5	-21.9	-19.5	-4.2	1.9	3.5	819153	1.1	
20	606.317	1434.9	-23	-21.1	-4.3	1.7	3.1	810277	1.2	
20	606.617	1434.9	-24.6	-22.6	-4.3	1.6	3.1	801284	1.2	
20	606.917	1435.8	-25.5	-23.1	-4.1	2.2	3.8	792789	0.8	
20	607.217	1435.8	-25.8	-24	-3.9	-0.4	3.7	784766	0.7	
20	607.517	1436	-26.6	-24.7	-3.9	0.7	3.7	776904	0.8	
20	607.817	1436.2	-27.7	-25.6	-3.8	0	3.8	769763	0.9	
20	608.117	1436.3	-27.7	-25.4	-3.5	0.2	3.8	762197	1.1	
20	608.417	1436.5	-28.5	-25.5	-3.5	0.3	4.1	754779	1.2	
20	608.717	1436.4	-29.3	-25.7	-3.4	0.4	4.2	748037	1.4	
20	609.017	1436.3	-30.2	-26.1	-3.7	0.6	4.3	741940	1.7	
20	609.317	1436.3	-33.4	-29.8	-3.9	-1.3	4	735425	1.8	
20	609.617	1436.2	-30.6	-26.1	-4.1	2.3	4	728010	2.2	
20	609.917	1436.5	-32.1	-27.5	-4	1.5	4.1	719010	2.2	
20	610.217	1436.5	-32.6	-28	-4.1	1.9	4.1	708307	2.2	
20	610.517	1436.3	-32.7	-27.5	-4.4	2.2	4.2	696294	2.2	
20	610.817	1436.3	-33.4	-27.5	-4.5	2.2	4.2	683564	2.2	
20	611.117	1436.3	-33.6	-27.3	-4.3	2.2	4.2	670431	2.2	
20	611.417	1436.5	-33.7	-26.6	-4.3	3.3	4.5	657381	2.2	
20	611.717	1436.6	-35	-27.2	-4.2	3.3	4.6	644431	1.8	
20	612.017	1436.7	-35.6	-27.2	-4	1.8	4.7	632173	1.7	
20	612.317	1436.8	-36.2	-27.8	-4.3	2.3	5	621478	1.4	
20	612.617	1436.9	-37	-27.6	-4.3	1.8	5.2	612748	1.1	
20	612.917	1436.7	-37.8	-28.7	-4.4	1.1	5.2	606184	1.1	
20	613.217	1436.7	-38.2	-28	-4.7	1.8	5.3	601655	1	
20	613.517	1436.5	-38	-27.5	-5.1	2	5.5	598388	0.8	
20	613.817	1436.2	-39.4	-28.2	-5.5	0.8	5.4	596513	0.7	
20	614.117	1436.1	-39.7	-27.3	-5.9	1.6	5.5	595664	0.7	
20	614.417	1435.9	-40.8	-28	-6.4	1.3	5.6	594987	0.8	
20	614.717	1435.7	-42.1	-28.4	-6.6	0.4	5.5	594311	0.8	
20	615.017	1435.6	-42.8	-28.4	-6.7	0.9	5.4	593469	0.7	
20	615.317	1435.6	-42.8	-27.8	-6.6	1.6	5.4	592127	0.7	
20	615.617	1435.8	-44.5	-28.6	-6.4	0.5	5.4	589459	0.8	
20	615.917	1435.8	-44.7	-28.7	-6.3	0.8	5.4	585503	1	
20	616.217	1436.1	-45.2	-28.3	-5.9	1.2	5.5	580471	0.9	
20	616.517	1436.4	-46.2	-28.5	-5.5	0.4	5.5	574105	0.9	
20	616.817	1436.7	-47.1	-27.2	-4.8	0.4	5.4	567107	0.8	
20	617.117	1436.8	-47.2	-26.8	-4.5	1	5.3	560578	0.8	
20	617.417	1437	-49.1	-30.4	-4.2	-0.3	5.2	553319	0.9	
20	617.717	1436.8	-49.6	-28.7	-4.3	-0.3	5	545677	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	618.017	1437	-50.1	-29.1	-4.5	0.6	5.2	538380	1.1	
20	618.317	1437	-51	-30.1	-4.7	0	5.2	531277	1.3	
20	618.617	1436.9	-51.6	-29.7	-5	0.1	5.2	524752	1.4	
20	618.917	1436.6	-51.8	-28.8	-5.5	0.7	5.2	518900	1.5	
20	619.217	1436.3	-52.7	-28.1	-6.2	0.6	5.4	513681	1.8	
20	619.517	1436.3	-52.8	-27.3	-6.5	0.9	5.7	508565	2	
20	619.817	1436.3	-53	-27.2	-7.2	2.4	6.2	503914	2.1	
20	620.117	1436.6	-53.7	-27.1	-7.2	1.9	6.7	499705	2.1	
20	620.417	1436.8	-54.7	-27	-7.4	1.1	7	495683	2	
20	620.717	1437.1	-54.7	-27	-7.4	2.1	7.3	491956	1.8	
20	621.017	1437.3	-55.3	-26.8	-7.3	1.6	7.5	488398	1.6	
20	621.317	1437.4	-55.7	-26.4	-7.1	1.3	7.6	485004	1.4	
20	621.617	1437.5	-56	-25.8	-7.1	1.7	7.8	481768	1.2	
20	621.917	1437.5	-56.2	-22.8	-7.1	1.6	7.9	478684	1	
20	622.217	1437.6	-57.5	-26.9	-6.7	0.3	7.7	475639	0.6	
20	622.517	1437.5	-57.3	-25.2	-6.7	1.1	7.4	472740	0.4	
20	622.817	1437.4	-57.4	-24.8	-6.6	1.3	7.1	469981	0.2	
20	623.117	1437.4	-59.1	-26.4	-6.6	-0.1	6.8	467046	0	
20	623.417	1437.3	-59.1	-25.7	-6.6	0.4	6.5	463941	-0.2	
20	623.717	1437.2	-59.4	-25.8	-6.5	0.6	6.3	460674	-0.6	
20	624.017	1437.2	-60.3	-26.6	-6.3	-0.1	6	457054	-0.9	
20	624.317	1437	-60.8	-25.8	-6.2	-0.1	5.7	453392	-1	
20	624.617	1436.8	-61.4	-25.8	-6.2	0.2	5.5	449789	-1.1	
20	624.917	1436.9	-62.3	-26.1	-5.8	-0.5	5.5	446147	-1	
20	625.217	1437	-62.4	-25.4	-5.8	-0.2	5.6	442470	-0.9	
20	625.517	1437.3	-63.2	-25.4	-5.6	0.2	5.9	438945	-0.8	
20	625.817	1437.5	-64.2	-26	-5.8	-0.1	6.3	435476	-0.5	
20	626.117	1437.4	-65.5	-27.5	-6.3	-0.7	6.6	432150	0.1	
20	626.417	1437.5	-66.2	-26.8	-6.8	0.2	7.1	428963	0.8	
20	626.717	1437.4	-67.2	-27.5	-7.4	0.3	7.6	425909	1.6	
20	627.017	1437.4	-68	-27.2	-8	0.8	8.1	422813	2.2	
20	627.317	1437	-68.3	-26.2	-9	1.5	8.6	419677	2.5	
20	627.617	1436.9	-68.8	-26	-9.8	1.9	9	416505	2.6	
20	627.917	1436.6	-69.2	-26.4	-10.2	1.7	9	413135	2.4	
20	628.217	1436.7	-70.1	-25.6	-10.2	2	9	410061	2	
20	628.517	1437	-70	-25.3	-9.9	2.2	9	407111	1.4	
20	628.817	1437.2	-70.8	-25.6	-9.3	1.4	8.7	404203	0.7	
20	629.117	1437.4	-71.1	-24.9	-8.6	1.7	8.4	401336	0.3	
20	629.417	1437.8	-71.8	-24.7	-7.7	1	8.1	398737	-0.1	
20	629.717	1437.9	-72.4	-25.2	-7	0.6	7.8	396397	-0.2	
20	630.017	1438.3	-73.9	-24.8	-6.3	-0.3	7.6	394381	-0.3	
20	630.317	1438.4	-73.9	-24.3	-5.8	0.6	7.5	392754	0	
20	630.617	1438.4	-75.9	-25.8	-5.8	-0.5	7.4	391213	0	
20	630.917	1438.3	-76.2	-25.2	-5.8	-0.2	7.3	389684	0.2	
20	631.217	1438.1	-76.9	-25.3	-6.1	0	7.2	388239	0.3	
20	631.517	1437.9	-77.7	-25.9	-6.7	0.1	7.4	386804	0.6	
20	631.817	1437.5	-77.9	-25.2	-7.4	0.3	7.4	385451	0.8	
20	632.117	1437.2	-78.1	-25.3	-7.8	0.8	7.5	384108	1	
20	632.417	1437.1	-78.9	-25.9	-8.2	1	7.7	382634	1.1	
20	632.717	1436.7	-79.8	-26.1	-8.8	0.5	7.8	380894	1.4	
20	633.017	1436.8	-80.7	-26	-8.8	1.2	8	379032	1.5	
20	633.317	1436.6	-81.6	-26.9	-9.3	1.2	8.3	377053	1.7	
20	633.617	1436.9	-82.4	-27.1	-9.2	0.9	8.7	374825	1.7	
20	633.917	1437	-83.3	-27.6	-9.3	1.2	9	372425	1.7	
20	634.217	1437.2	-83	-27	-9	1.4	9.2	369729	1.5	
20	634.517	1437.2	-83.4	-27.2	-8.9	0.9	9.3	366814	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	634.817	1437	-83.8	-26.3	-9.1	0.9	9.3	363755	0.8	
20	635.117	1437	-84	-26.7	-8.8	0.9	9.3	360685	0.6	
20	635.417	1436.8	-85	-27.6	-9	0.5	9.2	357666	0.3	
20	635.717	1436.8	-86	-26.9	-8.8	0.4	9.2	354817	0.2	
20	636.017	1436.7	-86.4	-27.3	-8.8	0.3	9.1	352250	-0.1	
20	636.317	1436.7	-87.8	-28.4	-8.8	-0.4	9.1	350013	-0.3	
20	636.617	1436.5	-88	-27.7	-9	-0.4	9	348208	-0.5	
20	636.917	1436.4	-88.3	-27.5	-9.1	-0.1	9	346824	-0.6	
20	637.217	1436.4	-88.9	-27.5	-9	-0.5	9	345793	-0.8	
20	637.517	1436.3	-88.9	-26.6	-9.3	-0.3	9	345109	-0.8	
20	637.817	1436.4	-89.7	-27.3	-9.2	-0.3	9.1	344768	-0.8	
20	638.117	1436.2	-90.8	-27.6	-9.4	-0.5	9	344598	-0.7	
20	638.417	1436	-91.3	-27.1	-9.5	-0.5	8.9	344485	-0.5	
20	638.717	1435.9	-92	-26.5	-9.6	0.5	8.9	344315	-0.3	
20	639.017	1435.9	-93.2	-27	-9.6	0	8.9	343919	-0.1	
20	639.317	1435.8	-94.1	-26.9	-9.7	0	8.8	343242	0.3	
20	639.617	1435.9	-94.7	-26.7	-9.7	0.6	8.8	342288	0.6	
20	639.917	1436.2	-94.8	-26.5	-9.6	1.2	8.9	341062	0.9	
20	640.217	1436.2	-95.3	-26.5	-9.6	1.7	8.9	339513	1.2	
20	640.517	1436.4	-96	-26.8	-9.5	2.3	9.1	337543	1.6	
20	640.817	1436.5	-96.3	-26.2	-9.6	2.9	9.4	335005	2	
20	641.117	1436.6	-97.8	-27.8	-9.5	2.3	9.5	332082	2.3	
20	641.417	1436.8	-98.7	-27.9	-9.4	2.6	9.6	328797	2.5	
20	641.717	1437	-99.3	-28.2	-9.3	3.1	9.7	325424	2.6	
20	642.017	1437.1	-100.6	-28.8	-9.5	2.6	9.8	321922	2.6	
20	642.317	1437.4	-101.3	-28.9	-9.5	2.1	9.8	318494	2.5	
20	642.617	1437.5	-101.8	-27.9	-9.7	2.4	9.9	315281	2.6	
20	642.917	1437.4	-102.5	-28.6	-9.8	2.2	9.8	312365	2.5	
20	643.217	1437.3	-103.1	-27.2	-9.9	2.2	9.7	309823	2.5	
20	643.517	1437.4	-103.5	-27.3	-9.9	2.6	9.8	307819	2.4	
20	643.817	1437.4	-104.4	-27.5	-10.1	2.2	9.9	306378	2.2	
20	644.117	1437.4	-105.5	-27.8	-10.3	1.6	10.1	305395	2.2	
20	644.417	1437.8	-106.6	-28.7	-10	1.2	10.2	304728	2	
20	644.717	1438	-107.1	-29	-10.1	1	10.3	304197	1.5	
20	645.017	1438.3	-107.9	-29	-9.8	0.3	10.4	303711	1.2	
20	645.317	1438.4	-108.5	-28.7	-9.8	0.5	10.5	303315	1.1	
20	645.617	1438.5	-109.2	-28.5	-9.7	0	10.6	302877	1	
20	645.917	1438.5	-109.6	-28	-9.8	-0.6	10.6	302439	0.9	
20	646.217	1438.4	-110.1	-27.7	-9.6	-1	10.4	301872	0.6	
20	646.517	1438.3	-110.5	-27.2	-9.6	-0.6	10.2	301178	0.7	
20	646.817	1438.2	-111.1	-28.1	-9.8	-0.7	10	300314	0.5	
20	647.117	1438.1	-111.8	-28.4	-9.9	-1	9.9	299412	0.5	
20	647.417	1438	-112.2	-28.4	-10.1	-0.9	9.8	298430	0.6	
20	647.717	1437.9	-113.3	-29.3	-10	-1	9.6	297328	0.6	
20	648.017	1437.8	-113.3	-28.3	-9.9	-0.8	9.3	296109	0.3	
20	648.317	1437.9	-112.7	-26.7	-9.9	0.1	9.2	294692	0.1	
20	648.617	1437.9	-112.6	-26.2	-10.1	0.1	9.3	293042	-0.2	
20	648.917	1438	-112.8	-25	-10.1	-0.2	9.4	291330	-0.6	
20	649.217	1438.2	-113.2	-25.2	-10.1	-0.4	9.6	289557	-0.8	
20	649.517	1438.3	-113.6	-25.3	-10.3	-0.6	9.8	287767	-1.2	
20	649.817	1438.2	-113.4	-24.5	-10.4	-0.2	10	285998	-1.4	
20	650.117	1438.2	-114.9	-26	-10.7	-1.3	10.4	284366	-1.7	
20	650.417	1438.3	-115.2	-25.5	-11.2	-1.4	11.1	282830	-1.7	
20	650.717	1438.7	-115.9	-25.1	-11.8	-2	12.1	281499	-1.5	
20	651.017	1439	-115.6	-24.3	-12.1	-1.9	12.8	280481	-1.6	
20	651.317	1439.1	-115.9	-23.9	-12.7	-2.4	13.5	279657	-1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	651.617	1439.2	-116.1	-22.9	-13.2	-2.5	14	278949	-1.8	
20	651.917	1439.4	-116.5	-22.4	-13.5	-3.2	14.4	278356	-1.9	
20	652.217	1439.2	-117.1	-22.4	-13.8	-3.8	14.5	277765	-1.9	
20	652.517	1439.1	-117.2	-22.4	-13.9	-3.5	14.4	277140	-2.1	
20	652.817	1439	-117.8	-22.5	-13.6	-3.9	14	276554	-2.2	
20	653.117	1438.9	-118	-22	-13.2	-3.7	13.5	275935	-2	
20	653.417	1438.7	-118.1	-21.8	-12.7	-3.8	12.7	275318	-1.9	
20	653.717	1438.6	-117.3	-19.5	-11.9	-3	11.9	274776	-1.4	
20	654.017	1438.6	-117.6	-18.9	-11.4	-3.1	11.2	274308	-0.9	
20	654.317	1438.7	-116.8	-17.5	-10.9	-1.6	10.7	273985	-0.6	
20	654.617	1438.9	-116.9	-16.3	-10.2	-1	10.5	273842	0	
20	654.917	1439.1	-116.7	-15.4	-9.9	-0.6	10.4	273913	0.1	
20	655.217	1438.8	-117	-15.2	-9.9	-0.4	10.2	274093	0.3	
20	655.517	1438.5	-116.7	-14.2	-10.1	0.3	10.2	274308	0.6	
20	655.817	1438.4	-116.7	-13.6	-10.2	0.4	10.2	274452	0.6	
20	656.117	1438.1	-115.6	-12.1	-10.7	1.1	10.4	274416	0.5	
20	656.417	1438.3	-114.8	-10.4	-10.8	1.7	10.7	274200	0.2	
20	656.717	1438.3	-115	-9.5	-11.2	0.7	11	273770	-0.1	
20	657.017	1438.1	-114.8	-8.2	-11.5	0.5	11.1	273056	-0.2	
20	657.317	1438.1	-114.9	-7.8	-11.8	0.6	11.3	272098	-0.2	
20	657.617	1438	-114.9	-7	-12	0.9	11.6	270936	-0.2	
20	657.917	1437.9	-114.9	-6.4	-12.2	0.6	12	269610	-0.1	
20	658.217	1438.1	-115	-5.8	-12.2	0.8	12.4	268195	-0.1	
20	658.517	1438.3	-115	-5.4	-12.2	0.5	12.9	266862	0	
20	658.817	1438.2	-115.1	-5	-12.5	-0.4	13.1	265542	0	
20	659.117	1438.4	-114.8	-4.3	-12.5	0.2	13.3	264268	0	
20	659.417	1438.2	-114.2	-3.1	-12.5	0.7	13.3	263106	0.2	
20	659.717	1438.1	-114.6	-2.8	-12.7	0.3	13.3	262052	0.4	
20	660.017	1437.9	-115	-2.8	-12.9	0.2	13.1	261105	0.5	
20	660.317	1437.7	-114.6	-1.3	-13	0.9	12.9	260358	0.6	
20	660.617	1437.4	-115.1	-1.8	-13.2	0.5	12.6	259905	0.6	
20	660.917	1437.2	-115.5	-2.8	-13.3	0.2	12.1	259841	0.4	
20	661.217	1436.8	-114.5	-1.9	-13.2	0.8	11.7	260099	0.2	
20	661.517	1436.9	-115.1	-2.3	-13	0.1	11.5	260747	0	
20	661.817	1436.8	-114.5	-1.3	-12.6	-0.1	11.3	261692	-0.3	
20	662.117	1437	-114.2	-0.6	-12.3	0.2	11.4	262941	-0.4	
20	662.417	1437.4	-114.6	-1.2	-11.6	-0.5	11.5	264368	-0.7	
20	662.717	1437.7	-114.9	0	-11.2	-1.5	11.5	265778	-0.8	
20	663.017	1438	-115	0.2	-10.8	-1.6	11.5	266998	-0.8	
20	663.317	1438.4	-115.6	0.3	-10.3	-2.1	11.4	267920	-0.8	
20	663.617	1438.4	-115.1	0.5	-10.1	-1.9	11.3	268298	-0.7	
20	663.917	1438.3	-115.6	0.3	-10.1	-1.4	11.2	268126	-0.6	
20	664.217	1438.1	-115.3	0.8	-10	-1.5	11	267373	-0.5	
20	664.517	1437.6	-115	1.5	-10.2	-1	10.6	266319	-0.4	
20	664.817	1437.2	-114.7	2.4	-10.4	-0.7	10.1	264803	-0.3	
20	665.117	1437.1	-113.9	3.3	-10.6	0.5	9.9	263106	-0.1	
20	665.417	1437.1	-113.3	4.5	-10.7	1	9.9	261235	-0.1	
20	665.717	1437.3	-113.2	4.8	-11.1	1.8	10.2	259390	-0.2	
20	666.017	1437.6	-113.4	4.7	-11.2	1.1	10.7	257698	-0.2	
20	666.317	1437.5	-114.5	2.8	-11.6	0.2	11	256248	-0.3	
20	666.617	1437.3	-114	3.6	-12.1	1	11.4	255124	-0.2	
20	666.917	1437.4	-114.6	2.2	-12.3	0.5	12	254287	-0.2	
20	667.217	1437.6	-114.1	2.8	-12.5	0.7	12.6	253671	-0.4	
20	667.517	1437.8	-114.1	2.6	-12.9	-0.2	13.1	253242	-0.5	
20	667.817	1437.9	-113.9	3.1	-13.2	0	13.4	253119	-0.5	
20	668.117	1438	-114.7	2	-13.2	-1.2	13.4	253272	-0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	668.417	1437.8	-114.3	2.4	-13.2	-0.5	13.1	253640	-0.5	
20	668.717	1437.9	-114.4	1.2	-13	0	13.2	254256	-0.3	
20	669.017	1437.9	-115	-0.2	-12.7	-1.2	13.2	254999	-0.3	
20	669.317	1437.8	-115.5	-0.5	-12.6	-1.2	13.1	255872	0	
20	669.617	1437.9	-115.8	-1	-12.2	-1.9	13	256876	0	
20	669.917	1438.1	-114.9	0	-11.7	-1.4	12.9	257952	0	
20	670.217	1438.3	-115.5	-0.6	-11.2	-2.1	12.7	259005	0.3	
20	670.517	1438.3	-114.6	0.3	-11.2	-0.7	12.5	260035	0.6	
20	670.817	1438.2	-115.1	-0.1	-11	-1.5	12.3	260942	1.1	
20	671.117	1438	-114.9	0.1	-11.3	-1.4	12	261659	1.3	
20	671.417	1437.5	-114.1	1	-11.5	-0.3	11.5	262216	1.4	
20	671.717	1437.1	-113.9	0.9	-11.8	0.5	11.1	262677	1.5	
20	672.017	1436.6	-113.7	0.5	-12	2.2	10.6	263040	1.2	
20	672.317	1436	-112.9	1.7	-12.4	-1.2	10.2	263338	1	
20	672.617	1435.8	-112.3	2.7	-12.7	2.7	10.2	263603	0.7	
20	672.917	1436	-112	2.6	-13	1	10.4	263835	0.1	
20	673.217	1436.1	-110.7	4.4	-13.3	3	10.8	264068	-0.2	
20	673.517	1436.7	-109.9	5.6	-13.4	3.2	11.6	264302	-0.7	
20	673.817	1437.2	-109.8	4.7	-13.5	1.9	12.4	264569	-1.1	
20	674.117	1437.8	-110.2	4.9	-13.6	1.6	13.4	264803	-1.4	
20	674.417	1438.2	-113.5	1	-13.3	-2.1	13.8	265071	-1.6	
20	674.717	1438.3	-106.4	7.8	-13.9	5	15	265205	-1.5	
20	675.017	1438.4	-113.1	1.5	-14.2	-2	15.5	265172	-1.6	
20	675.317	1438.8	-111.2	3.7	-14.2	0.1	15.9	265138	-1.8	
20	675.617	1439	-112.7	2.3	-14.1	-2.4	15.9	265105	-1.8	
20	675.917	1439.1	-112.7	2.9	-13.9	-2.6	15.5	265172	-1.9	
20	676.217	1439.1	-111.6	3.5	-13.7	-2	15	265407	-2	
20	676.517	1439	-112.5	3.1	-13.3	-2.2	14.3	265710	-1.8	
20	676.817	1438.7	-112.2	3.1	-13	-0.3	13.7	266115	-1.6	
20	677.117	1438.4	-112.8	2.2	-12.6	-3.7	13.1	266726	-1.2	
20	677.417	1438.4	-113.2	1.5	-12.2	-0.5	12.7	267544	-0.8	
20	677.717	1438.2	-114.1	-0.2	-12	-2.4	12	268539	-0.6	
20	678.017	1438.3	-113.5	-0.2	-11.4	-0.5	11.5	269680	-0.2	
20	678.317	1438.3	-114.2	-1	-11.3	-0.8	11.2	270901	0.2	
20	678.617	1438.3	-113.4	0	-11	-0.7	10.9	272027	0.7	
20	678.917	1438.1	-113.9	0.6	-11	-0.1	10.7	273234	1.2	
20	679.217	1437.9	-113.6	0.4	-11	0	10.5	274524	1.5	
20	679.517	1437.6	-114.2	0.4	-10.6	-0.4	10.1	275898	1.8	
20	679.817	1437.5	-113.9	0.2	-10.6	0.5	9.9	277324	2	
20	680.117	1437.5	-113.5	0.6	-10.5	1	9.8	278763	1.9	
20	680.417	1437.4	-113.8	0.1	-10.6	0.5	9.7	280068	2	
20	680.717	1437.7	-113.8	0.9	-10.4	0.4	9.8	281310	1.7	
20	681.017	1437.8	-112.5	1.8	-10.4	1.2	9.9	282449	1.5	
20	681.317	1437.9	-112.7	1.7	-10.2	0.7	10	283519	1.3	
20	681.617	1438	-112	3	-10.3	0.5	10.1	284482	0.9	
20	681.917	1437.8	-111.1	4.4	-10.3	0.8	10.2	285296	0.6	
20	682.217	1437.9	-111.5	4.3	-10.5	0.1	10.5	285920	0.4	
20	682.517	1438.1	-111.1	3.8	-10.6	-0.7	10.7	286389	0	
20	682.817	1438.2	-111.2	4.3	-10.5	-0.9	10.8	286899	-0.1	
20	683.117	1438.3	-110.9	3.7	-10.8	-0.9	10.8	287648	-0.2	
20	683.417	1438.3	-111	4.1	-10.7	-2	10.7	288599	-0.2	
20	683.717	1438.2	-110.2	4.7	-10.7	-1.1	10.5	289918	-0.1	
20	684.017	1438.5	-109.6	4.5	-10.5	-1.4	10.5	291533	-0.2	
20	684.317	1438.2	-108.4	5.5	-10.3	-0.9	10.2	293453	-0.1	
20	684.617	1438.4	-108.5	5.2	-10.1	-0.7	10.2	295566	0	
20	684.917	1438.5	-107.4	5.5	-10.1	-0.5	10.2	298260	0	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	685.217	1438.5	-107.1	5.2	-10	-0.4	10	301308	0	
20	685.517	1438.8	-106.5	5.5	-9.7	0.1	10	304639	0.1	
20	685.817	1438.9	-105.9	4.8	-9.5	0.3	10	308045	0	
20	686.117	1438.9	-105.7	4.2	-9.5	0.2	10	311482	0.1	
20	686.417	1438.9	-104.8	5	-9.7	0	10.1	314855	0	
20	686.717	1438.8	-104	6.2	-9.7	0.2	10.2	318011	0.1	
20	687.017	1438.7	-104.2	9.3	-9.9	-0.1	10.2	321034	0.2	
20	687.317	1438.7	-102.7	3.7	-10	-0.2	10.2	323714	0.2	
20	687.617	1438.7	-102.2	10.9	-10	0	10.2	326083	0.3	
20	687.917	1438.7	-102.2	9	-10.4	-0.4	10.1	327973	0.4	
20	688.217	1438.4	-101.3	11.4	-10.5	-0.1	9.9	329314	0.7	
20	688.517	1438.6	-101.4	11.3	-10.4	0.2	9.9	330249	0.9	
20	688.817	1438.5	-100.1	11.5	-10.5	0.7	9.8	330875	1	
20	689.117	1438.4	-99.8	12.7	-10.1	0.4	9.6	331294	1.2	
20	689.417	1438.5	-99.4	12.8	-9.7	0.5	9.3	331557	0.9	
20	689.717	1438.5	-97.3	15.5	-9.5	1.5	9.1	331714	0.8	
20	690.017	1438.6	-96.7	16.5	-9.2	1.2	9	332030	0.7	
20	690.317	1439.2	-96.3	17.8	-8.8	1.5	9.2	332399	0.5	
20	690.617	1439.2	-95.1	18.4	-8.4	1.8	9.2	333139	0.5	
20	690.917	1439.3	-95.7	18.5	-8.5	1.1	9.3	334256	0.3	
20	691.217	1439.4	-94.8	18.6	-8.2	0.5	9.2	335595	-0.1	
20	691.517	1439.1	-93.9	20	-8.5	1	9	337217	-0.3	
20	691.817	1439.1	-93.8	19.8	-8.9	0.9	9	339128	-0.3	
20	692.117	1439.1	-93.2	21	-9.1	0	9	341229	-0.5	
20	692.417	1439	-92.3	21.6	-9.4	0.4	9	343524	-0.4	
20	692.717	1438.8	-92.4	21.1	-9.9	-0.4	8.9	346308	-0.4	
20	693.017	1438.4	-91.6	22.2	-9.9	-0.6	8.5	349196	-0.2	
20	693.317	1438.4	-91.5	22.3	-9.9	-0.2	8.4	351954	0.1	
20	693.617	1438.4	-90.8	21.7	-9.8	-0.2	8.3	354877	0.3	
20	693.917	1438.8	-90.7	22	-9.1	-0.7	8.4	357788	0.7	
20	694.217	1439.5	-90.5	21.5	-8.7	-0.3	8.7	360685	1.1	
20	694.517	1439.9	-90	21.1	-8.2	-0.2	8.7	363313	1.3	
20	694.817	1440.1	-89.6	21.9	-7.8	-1.5	8.6	365853	1.5	
20	695.117	1440.4	-88.5	22.6	-7	-0.2	8.4	368104	1.5	
20	695.417	1440.4	-87.2	24	-6.6	0.7	8.3	369990	1.4	
20	695.717	1440.4	-86.8	24.1	-6.6	0.1	8.3	371896	1.4	
20	696.017	1440.3	-85.8	25.2	-6.3	0.2	8	373621	1.1	
20	696.317	1440	-84.7	25.5	-6.5	1.3	7.8	375228	1.1	
20	696.617	1439.9	-84.4	25.2	-6.7	1.3	7.7	377053	1	
20	696.917	1439.8	-83.8	24.6	-6.7	0.9	7.5	378963	0.4	
20	697.217	1439.6	-80.8	27.7	-7.2	3.8	7.7	381032	-0.2	
20	697.517	1439.2	-81.1	26.3	-8.1	2.5	8	383194	-0.7	
20	697.817	1439	-81.5	25.6	-8.7	0.4	8.3	385451	-1.3	
20	698.117	1439	-79.6	26.9	-9.3	3	8.9	387736	-1.7	
20	698.417	1438.8	-79	26.9	-10	0.8	9.4	390120	-2	
20	698.717	1438.5	-79.2	26.5	-10.6	-0.4	9.7	392607	-2.2	
20	699.017	1438.2	-78.8	26	-11	0.1	9.9	395051	-2	
20	699.317	1438.2	-78.7	25.3	-10.9	-0.3	10	397451	-1.8	
20	699.617	1438.1	-80.1	24.1	-10.5	-3	9.8	399880	-1.2	
20	699.917	1438.1	-80	22.7	-9.6	-2.8	9.3	402416	-0.5	
20	700.217	1438.3	-79.3	22.9	-8.8	-0.7	9.1	405141	0.1	
20	700.517	1438.4	-81.8	20.4	-7.9	-4.3	8.3	408301	0.6	
20	700.817	1438.6	-77.7	23.6	-7	-0.8	7.7	411673	0.9	
20	701.117	1438.8	-77.3	24.1	-6	0	7.4	415266	1	
20	701.417	1438.6	-77.5	22.6	-5.4	-1	7	419089	1.3	
20	701.717	1438.3	-76.6	23.2	-5.2	0	6.6	422813	1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	702.017	1438.1	-75.7	23.7	-5.1	1	6.4	426603	1.5	
20	702.317	1437.7	-74.4	22.9	-5.4	1.8	6.4	430462	1.5	
20	702.617	1437.1	-75.5	21.2	-5.7	0	5.8	434301	1.3	
20	702.917	1437	-74.3	22	-6	1.5	5.8	437935	1.4	
20	703.217	1437	-73	22.1	-6.6	2.3	6.1	441165	1.5	
20	703.517	1436.4	-73.4	22.3	-7	-0.5	5.8	444348	1.5	
20	703.817	1435.8	-71.7	23.1	-7.3	2.2	5.7	447290	1.7	
20	704.117	1435.6	-71.4	22.5	-7.3	1.7	5.8	450369	1.5	
20	704.417	1435.4	-70.3	23.5	-7.5	1.9	6	453785	1.4	
20	704.717	1435.3	-69.3	23.9	-7.3	1.5	6.2	457254	1.5	
20	705.017	1435.7	-69.2	23.1	-6.9	2.2	6.7	460674	1.4	
20	705.317	1436	-67	25.4	-6.9	3.2	7.1	463941	1.3	
20	705.617	1436.3	-69.9	21.7	-6.5	-0.4	7.1	466941	1.3	
20	705.917	1436.5	-65.4	26.1	-6.3	4.3	7.4	469875	1.1	
20	706.217	1436.3	-67	23.8	-6.6	1.3	7.6	472526	1.1	
20	706.517	1435.8	-66.5	24.2	-6.9	0.8	7.4	474992	1.1	
20	706.817	1435.7	-65.8	24.7	-7.1	1.2	7.4	477266	0.9	
20	707.117	1435.1	-64.1	25.9	-7.5	1.6	7.2	479451	0.9	
20	707.417	1434.7	-64.6	25	-8	0.9	7.1	481879	1	
20	707.717	1434.6	-63.5	25	-8.1	0.4	7	484892	1	
20	708.017	1434.4	-63.3	23.9	-8.3	2	6.9	488854	1.3	
20	708.317	1434.4	-63.8	23	-8.1	-0.7	6.6	494162	1.3	
20	708.617	1434.8	-62.8	23	-7.6	0.9	6.5	500661	1.1	
20	708.917	1435.1	-61	23.7	-7	2	6.5	508318	1.1	
20	709.217	1435.5	-61.9	22.5	-6.6	0.1	6.4	517106	0.9	
20	709.517	1435.5	-60.4	23.4	-6	0.3	6.1	526998	0.8	
20	709.817	1435.5	-59.7	21.1	-5.6	1.1	5.8	537689	0.8	
20	710.117	1435.5	-58.8	22.3	-5.2	0.7	5.5	548823	0.8	
20	710.417	1435.3	-58.2	23.3	-5	1	5.2	560129	1	
20	710.717	1435.3	-58.2	21.4	-4.8	1.3	5	570662	1.3	
20	711.017	1435.5	-58.2	20.8	-4.8	0.6	4.9	580310	1.3	
20	711.317	1435.4	-57.3	21.9	-4.9	-0.1	4.6	589128	1.4	
20	711.617	1435.6	-56.5	22.3	-5	1.7	4.6	596513	1.6	
20	711.917	1435.7	-55.6	23.1	-5.1	1.3	4.6	602521	1.6	
20	712.217	1435.8	-55.3	24.8	-5	0.9	4.6	606711	1.9	
20	712.517	1435.8	-53.8	26.2	-5.1	1.8	4.7	609537	1.9	
20	712.817	1435.8	-53.2	26.1	-5.4	1.4	4.9	610247	1.8	
20	713.117	1435.8	-52.6	29.2	-5.5	1.4	5	610247	2	
20	713.417	1436	-52.2	25.5	-5.4	1.9	5	610247	1.9	
20	713.717	1436.3	-50.7	26.6	-5.3	2.6	5.2	609714	2	
20	714.017	1436.6	-51.3	26.2	-5.2	1.3	5.2	609537	2	
20	714.317	1436.9	-50.2	26.4	-5.1	1.5	5.2	610603	1.7	
20	714.617	1436.9	-49	26.7	-5.2	2.2	5.2	612927	1.6	
20	714.917	1437	-48.7	25.7	-5.1	1.1	5.2	616900	1.4	
20	715.217	1437.2	-47.5	28	-4.8	1.4	5.2	622772	0.9	
20	715.517	1437.2	-45.7	28.6	-4.7	2.6	5.4	630081	0.6	
20	715.817	1437.3	-46.2	26.8	-4.7	1.2	5.5	637563	0.4	
20	716.117	1437.5	-45.4	28	-4.6	0.6	5.5	645823	0.1	
20	716.417	1437.6	-44.7	27	-4.5	1.2	5.5	654913	0	
20	716.717	1437.8	-44.4	27	-4.6	0.3	5.6	663211	-0.2	
20	717.017	1437.9	-43.9	26.4	-4.2	-0.2	5.5	671291	-0.4	
20	717.317	1437.9	-43.1	26.2	-4.1	1	5.5	678910	-0.4	
20	717.617	1437.7	-42.8	26.4	-4.1	-0.3	5.3	686478	-0.4	
20	717.917	1437.2	-42.8	24.2	-4	-1	4.8	694447	-0.2	
20	718.217	1437	-41.9	28	-3.7	0.2	4.3	703547	0	
20	718.517	1436.9	-41.1	24.3	-3.5	0.5	3.9	713132	0	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	718.817	1436.7	-40.5	26.5	-3.3	0.5	3.4	723232	0	
20	719.117	1436.7	-39.5	27	-3	0.8	2.9	734394	0	
20	719.417	1436.3	-39.3	26.5	-2.9	0.8	2.4	746171	0	
20	719.717	1436.1	-40.2	23.9	-2.7	-0.4	1.9	758058	0.2	
20	720.017	1435.8	-38.3	26.3	-2.5	1.1	1.4	770046	0.1	
20	720.317	1435.6	-38.4	25.1	-2.5	1.2	1.4	781835	0.2	
20	720.617	1435.5	-38.1	25.2	-2.7	1	1.4	792789	0.3	
20	720.917	1435.6	-37.7	26.1	-2.9	0.9	1.6	803128	0.5	
20	721.217	1435.6	-37.4	25.4	-3.2	1.2	2	813109	0.8	
20	721.517	1435.8	-36.3	24.7	-3.7	1.8	2.6	821725	1.1	
20	721.817	1435.7	-36.3	25.6	-4	2	3.1	830196	1.5	
20	722.117	1436	-36.1	24.3	-4.4	2.9	4	838844	1.9	
20	722.417	1436.1	-35.8	23.9	-4.9	2.3	4.8	848017	2.3	
20	722.717	1436.2	-36	22.8	-5.2	1.9	5.4	857393	2.7	
20	723.017	1436.6	-35.7	22.5	-5.1	2.4	5.8	868417	3	
20	723.317	1436.9	-35.2	23	-5.3	2.1	6.1	880469	3.2	
20	723.617	1437	-35.2	23	-5.4	2	6.1	892859	3.5	
20	723.917	1437.1	-34.5	22.8	-5.1	1.7	5.8	907566	3.7	
20	724.217	1436.9	-34.3	22.2	-4.9	1.7	5.2	923579	4.1	
20	724.517	1436.7	-34	21.6	-5	1.7	4.7	940590	4.3	
20	724.817	1436.6	-33.4	21.9	-4.7	2.1	4	958678	4.3	
20	725.117	1436.5	-32.1	21.7	-4.5	3.3	3.5	977476	4.5	
20	725.417	1436.4	-32.1	21.1	-4.4	3	3.2	996551	4.5	
20	725.717	1436.6	-30.6	22	-4.2	3.8	3.2	1017867	4.4	
20	726.017	1436.9	-29.9	22.3	-3.7	3.4	3.2	1040633	4	
20	726.317	1437	-28.8	21.9	-3.4	3.2	3.1	1064440	3.3	
20	726.617	1437.6	-27.5	23.8	-2.9	3.8	3.4	1088795	2.8	
20	726.917	1438.1	-26.8	23.4	-2.4	3.1	3.6	1114884	2.1	
20	727.217	1438.5	-26.5	22.5	-2	2	3.7	1141010	1.3	
20	727.517	1438.7	-25.7	23	-1.5	1.3	3.7	1167737	0.7	
20	727.817	1438.7	-25.4	22.1	-1.2	0.6	3.5	1195747	-0.1	
20	728.117	1438.3	-24.7	21	-1.1	-0.4	3	1220135	-0.8	
20	728.417	1437.7	-23.5	22.7	-1.3	0	2.6	1241110	-1.2	
20	728.717	1437.5	-23	22.4	-1.4	-0.7	2.4	1260537	-1.5	
20	729.017	1437.4	-22.8	21.9	-1.5	-2.1	2.1	1275900	-1.7	
20	729.317	1437.2	-21.6	22.8	-1.6	-1.1	1.9	1286879	-1.8	
20	729.617	1437	-21	22.9	-1.7	-1.3	1.7	1294037	-1.9	
20	729.917	1436.5	-20.6	22.5	-2	-1.4	1.5	1297244	-1.8	
20	730.217	1436.3	-20.2	22.6	-2.1	-1.1	1.4	1295639	-1.6	
20	730.517	1436.2	-19.6	23.2	-2.1	-0.4	1.5	1293238	-1.3	
20	730.817	1436	-19.4	22.5	-2.1	-1.2	1.6	1290846	-1	
20	731.117	1436.1	-18.8	22.3	-1.9	-0.6	1.7	1288463	-0.8	
20	731.417	1436	-17.4	23.1	-2.1	0.7	1.9	1290051	-0.6	
20	731.717	1435.8	-17.9	21.6	-2.2	-0.2	2	1298048	-0.1	
20	732.017	1435.6	-16.6	22.7	-2.2	0.5	2	1312697	0.2	
20	732.317	1435.4	-16.2	24	-2.1	0.9	1.9	1337861	0.5	
20	732.617	1435.3	-16	22.3	-2.2	0.7	2	1374755	0.9	
20	732.917	1435.3	-16.3	22.1	-2.2	0.2	1.8	1423353	1.2	
20	733.217	1435.2	-14.9	23.2	-2.2	1.8	1.7	1483878	1.4	
20	733.517	1435.2	-15.1	22.6	-2.3	1.3	1.7	1561336	1.9	
20	733.817	1435	-14.5	22.9	-2.3	1.2	1.4	1653832	2.1	
20	734.117	1434.8	-13.9	22.4	-2.2	1.9	1.2	1756503	2.4	
20	734.417	1434.7	-12.8	23.5	-2.2	2.5	1.1	1866088	2.6	
20	734.717	1434.8	-12.5	23.6	-1.8	1.9	1	1978971	2.7	
20	735.017	1434.8	-11.5	24.3	-1.8	3	1	2085409	2.9	
20	735.317	1435.2	-11.1	24.9	-1.4	3.3	1.1	2187827	3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	735.617	1435.4	-11.1	24.6	-1.1	2	1	2285754	3	
20	735.917	1435.5	-10.1	25.1	-0.9	3.1	1	2390126	3	
20	736.217	1435.7	-9.8	25.4	-0.5	3.2	1	2504486	2.7	
20	736.517	1435.8	-8.9	25.6	-0.2	2.6	1.1	2623747	2.5	
20	736.817	1435.9	-8.7	25.6	0	1.8	1.1	2758564	1.9	
20	737.117	1435.9	-7.3	26.7	-0.1	2.2	1.2	2928322	1.3	
20	737.417	1435.9	-7.1	26.3	-0.1	1.3	1.3	3139056	0.8	
20	737.717	1435.7	-6.5	25.6	-0.4	0.9	1.1	3404472	0.3	
20	738.017	1435.7	-5.3	26.8	-0.8	1.7	1.3	3725534	0.1	
20	738.317	1435.6	-5.4	25.2	-0.9	0.7	1.4	4081384	0	
20	738.617	1435.3	-6.1	23.8	-1.3	-0.4	1.3	4473825	-0.3	
20	738.917	1435	-4.1	24.7	-1.7	1.3	1.4	4903396	-0.3	
20	739.217	1434.9	-4.4	23.1	-1.8	1	1.5	5424223	-0.3	
20	739.517	1434.8	-3.9	22.9	-1.9	0.8	1.5	6051301	-0.2	
20	739.817	1434.7	-3.7	22.8	-2.1	1.2	1.5	6775890	0.3	
20	740.117	1434.9	-3.1	22.6	-1.9	2.3	1.6	7613637	0.7	
20	740.417	1435	-2.8	22.6	-1.9	1.7	1.7	8580943	0.9	
20	740.717	1434.8	-2.1	22.6	-2.1	2.6	1.7	9970238	1.3	
20	741.017	1434.9	-2.3	21.2	-1.9	3.3	1.9	11762641	1.5	
20	741.317	1434.8	-2.5	20.5	-1.8	2.2	1.8	14340754	1.9	
20	741.617	1434.6	-2.8	20	-1.8	1.8	1.6	18694197	2.1	
20	741.917	1434.6	-2.5	19.1	-1.3	2.1	1.3		1.9	
20	742.217	1434.6	-2.1	18.9	-0.9	2	1		1.9	
20	742.517	1434.7	-2.9	17.7	-0.4	0.8	0.6		1.8	
20	742.817	1434.7	-1.8	18.4	0	1.8	0.2		1.5	
20	743.117	1434.8	-1.4	18.2	0.7	1.3	-0.2		1.3	
20	743.417	1434.6	-2.1	17.3	1.2	0.7	-0.9		0.8	
20	743.717	1434.6	-1.5	17.3	1.9	0.5	-1.4		0.4	
20	744.017	1434.6	-0.6	16.8	2.6	0.4	-1.6		0	
20	744.317	1434.4	-1.5	16.4	2.7	-1	-1.8		-0.4	
20	744.617	1434.3	-0.8	15.8	2.7	-0.9	-1.7	-2E+07	-0.8	
20	744.917	1434.2	-0.7	15.5	2.4	-0.2	-1.4	-1.9E+07	-0.9	
20	745.217	1434.1	-1.4	14.6	2.3	-1.9	-1.2	-1.8E+07	-1.2	
20	745.517	1433.8	-0.8	15.5	1.7	-2.1	-0.9	-1.7E+07	-1.1	
20	745.817	1433.6	-1.7	13.2	1.5	-1.8	-0.8	-1.6E+07	-0.8	
20	746.117	1433.3	-0.7	14.4	1.1	-0.3	-0.8	-1.5E+07	-0.7	
20	746.417	1432.6	0.7	15.2	0	-0.1	-0.7	-1.4E+07	-0.3	
20	746.717	1432.5	0.7	14.6	-0.1	0.5	-0.5	-1.3E+07	0	
20	747.017	1432	0.6	13.4	-0.2	-0.2	-0.8	-1.1E+07	0.1	
20	747.317	1431.6	0.1	12.6	-0.3	-0.1	-1.1	-1E+07	0.5	
20	747.617	1431.4	0.4	11.9	-0.2	0.9	-1.5	-9103261	0.5	
20	747.917	1431.2	1.8	12.9	0.3	1.1	-1.8	-8243110	0.5	
20	748.217	1431.3	0.6	11.7	0.5	0.8	-1.9	-7504480	0.6	
20	748.517	1431.5	-0.7	9.4	0.4	-0.9	-1.9	-6842320	0.5	
20	748.817	1431.9	1.5	11.3	0.8	-0.1	-1.7	-6268713	0.7	
20	749.117	1431.8	1.9	10.8	1.1	0.2	-2	-5767907	0.5	
20	749.417	1431.7	2.6	11.3	1.3	1.2	-2.1	-5300633	0.6	
20	749.717	1431.8	2.1	9.4	1.4	1.2	-2	-4880536	0.7	
20	750.017	1432.2	1.4	8.5	1.7	0.4	-1.9	-4522139	0.6	
20	750.317	1431.6	3.1	9.6	1.1	1.2	-1.7	-4187500	0.7	
20	750.617	1431.8	2.5	7.8	1.4	1.1	-1.9	-3877315	0.8	
20	750.917	1432.6	2.1	7.5	1.8	1.2	-1.6	-3603701	0.7	
20	751.217	1432.9	3.8	9.9	1.8	2.1	-1.5	-3355369	0.8	
20	751.517	1433	3.7	7.8	2	1.7	-1.5	-3143769	1.1	
20	751.817	1433.1	3.3	7.7	2.1	1.5	-1.4	-2969859	1.7	
20	752.117	1433.3	3	6.9	2.1	1.6	-1.3	-2837060	1.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	752.417	1433.4	2.8	6.5	1.9	1.8	-1.1	-2729792	1.8	
20	752.717	1433.2	3.3	6.4	1.8	1.4	-1	-2650317	2	
20	753.017	1433.2	3.8	6.6	1.3	2.1	-0.6	-2597705	2	
20	753.317	1433.3	3.8	5.9	0.8	2.5	-0.3	-2559597	2.1	
20	753.617	1433.4	3.5	5.8	0.7	1.4	-0.2	-2550244	2.1	
20	753.917	1433.1	4.3	6.8	0.2	2.1	-0.1	-2565871	1.9	
20	754.217	1433.1	4.3	7.1	-0.4	2.4	0.4	-2584877	2	
20	754.517	1433.2	4.2	6.7	-0.5	2.8	0.5	-2610661	1.9	
20	754.817	1433.1	4.3	6.4	-0.7	2.7	0.5	-2633648	1.6	
20	755.117	1433.3	4.6	7.5	-0.7	2.7	0.7	-2643624	1.4	
20	755.417	1433.2	4.9	6.7	-0.7	2.2	0.6	-2640291	1.1	
20	755.717	1433.1	4.7	6.1	-0.5	1.9	0.2	-2623747	1.2	
20	756.017	1433	4.6	6.7	-0.5	2.3	0	-2594486	1.3	
20	756.317	1433	4.5	6	0	2	-0.2	-2550244	1.4	
20	756.617	1433.1	4.4	5	0.3	1.9	-0.5	-2495531	1.4	
20	756.917	1433	3.6	5.1	0.4	1.1	-0.8	-2428945	1.4	
20	757.217	1433.2	3.5	4.3	0.7	1.4	-0.9	-2360485	1.6	
20	757.517	1433.3	3.2	3.9	0.8	0.5	-1.1	-2298299	1.3	
20	757.817	1433.3	3.7	5.1	1	0.3	-1.3	-2239306	0.9	
20	758.117	1433.5	4.1	4.9	1.2	0.7	-1.2	-2180990	0.7	
20	758.417	1433.5	3.6	5.3	1.4	0.1	-1.3	-2121328	0.6	
20	758.717	1433.2	3.5	4.2	1.3	0.3	-1.5	-2064843	0.9	
20	759.017	1433.4	3.5	2.8	1.6	0.6	-1.5	-2005508	1.1	
20	759.317	1433.5	3.6	2.9	2	0.9	-1.7	-1958607	1	
20	759.617	1433.7	3.1	2.5	2.2	0.5	-1.9	-1922636	1.2	
20	759.917	1434	3.4	3.3	2.5	0.8	-1.9	-1889667	1.2	
20	760.217	1434.1	3.7	3.3	2.9	0.8	-2.1	-1862768	1.3	
20	760.517	1433.9	3.4	1.6	2.7	0.5	-2.3	-1846341	1.7	
20	760.817	1433.8	3.6	3	2.7	0.8	-2.4	-1844715	1.7	
20	761.117	1433.7	3.6	4.3	2.6	1	-2.4	-1847971	2	
20	761.417	1433.5	3.6	2.1	2.1	1	-2.4	-1854518	2.3	
20	761.717	1433.4	3.8	1.9	2	1	-2.3	-1861112	2.3	
20	762.017	1433.5	4	1.4	1.6	1.6	-2	-1859459	2.5	
20	762.317	1433.5	4.4	2.3	1.4	1.3	-1.9	-1847971	2.2	
20	762.617	1433.4	4.6	3.2	0.8	0.9	-1.7	-1823825	2	
20	762.917	1433.6	5	1.9	0.8	1.3	-1.4	-1784954	1.9	
20	763.217	1433.6	5.3	2.8	0.7	1.2	-1.4	-1730373	1.6	
20	763.517	1433.8	5.7	3.6	0.8	0.8	-1.2	-1663027	1.5	
20	763.817	1434.1	6.3	2.5	1	1.8	-0.9	-1589788	1.3	
20	764.117	1434	6.6	2.9	1	1.2	-1	-1517211	1.3	
20	764.417	1434	6.7	3.4	1	1.5	-1	-1445961	1.4	
20	764.717	1434.1	7.2	4.2	1.1	1.6	-1	-1379283	1.5	
20	765.017	1434.4	7.7	4.9	1.5	1.3	-1.1	-1319314	1.7	
20	765.317	1434.5	7.8	4.5	1.6	1.8	-1.3	-1265107	1.9	
20	765.617	1434.8	7.8	4	2	1.1	-1.4	-1215884	1.9	
20	765.917	1434.7	9.2	5.4	2.1	2.6	-1.7	-1174286	2	
20	766.217	1434.6	8.1	4.6	2.4	0.8	-2.2	-1138528	2.4	
20	766.517	1434.5	9.6	5.3	2.5	2.9	-2.5	-1106050	2.6	
20	766.817	1434.5	9.1	4.8	2.8	2	-2.8	-1077033	3	
20	767.117	1434.6	9.8	5.6	3.3	2.3	-3.3	-1051081	2.7	
20	767.417	1434.7	11.7	7.4	3.3	3.9	-3.5	-1025344	2.6	
20	767.717	1434.7	10.7	6.1	3.4	2	-3.9	-1000838	2.3	
20	768.017	1434.8	11.8	6.9	3.4	2.9	-4.3	-978389	2	
20	768.317	1434.8	11.5	6.8	3.5	1.2	-4.6	-956489	1.5	
20	768.617	1434.8	13	8.4	3.5	2.8	-4.6	-935965	1.3	
20	768.917	1434.9	12	7.5	3.7	0.5	-4.7	-917508	0.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	769.217	1434.9	13.5	9.1	3.4	1.7	-4.5	-900152	0.3	
20	769.517	1435.1	13.1	9.5	3.3	1.1	-4.1	-884187	0.4	
20	769.817	1435.3	13	9.5	3.4	-0.7	-3.9	-869861	0.3	
20	770.117	1435.8	14.1	10.9	3.7	0	-3.5	-856341	0.1	
20	770.417	1436.6	14.1	10.4	3.8	-0.4	-2.7	-842896	0.1	
20	770.717	1437.1	14.4	10.3	3.7	-1	-2	-829538	-0.1	
20	771.017	1437.2	14.9	11.3	3.3	-0.9	-1.4	-816279	0.1	
20	771.317	1437.4	15	11.5	3.3	-0.5	-1.1	-802205	0.1	
20	771.617	1437.5	15	11.5	3.4	-1.5	-1.1	-787718	0.1	
20	771.917	1437.2	15.1	11.5	3.3	-0.7	-1.5	-772889	0.5	
20	772.217	1436.9	16.2	13.1	3.2	0.7	-2	-757509	0.6	
20	772.517	1436.6	17.8	14.4	3.3	0.7	-2.6	-742203	0.6	
20	772.817	1436.2	17.4	13.7	3.3	0.4	-3.5	-727504	0.8	
20	773.117	1436	19.1	15.7	3.8	2.1	-4.3	-712647	0.8	
20	773.417	1435.7	18.8	15.2	4.4	1.2	-5.2	-698618	1.1	
20	773.717	1435.5	19.2	15.6	4.7	1.9	-6	-685130	1.3	
20	774.017	1435.4	19.8	16.2	4.9	2.7	-6.4	-672153	1.7	
20	774.317	1435.7	19.4	15.6	5.3	2.6	-6.4	-659659	2	
20	774.617	1436	19.1	15.1	5.8	1.6	-6.5	-647621	1.9	
20	774.917	1436	21.3	16.9	5.7	2.2	-6.4	-635821	1.7	
20	775.217	1436.1	21.5	16.9	5.8	2.5	-6.1	-623885	1.8	
20	775.517	1436	21.2	16.2	5.8	1	-6.1	-612389	1.8	
20	775.817	1435.9	22.5	17.2	5.7	2.5	-5.9	-601137	2.1	
20	776.117	1436.1	22.2	16.5	5.7	2	-5.6	-590124	1.9	
20	776.417	1436.2	22.6	16.3	5.8	1.4	-5.6	-580150	1.7	
20	776.717	1436.3	22.4	15.8	5.6	1.7	-5.6	-570818	1.9	
20	777.017	1436.5	22.5	15.8	5.7	2.4	-5.6	-561932	1.8	
20	777.317	1436.7	23.7	16.5	6.2	1.7	-5.9	-553905	1.6	
20	777.617	1436.6	24.1	16.4	6.2	2.1	-6.1	-546389	1.7	
20	777.917	1436.6	24.8	17	6.4	2.9	-6.1	-539768	1.5	
20	778.217	1436.6	25.5	17.7	6.6	2.1	-6.1	-533987	1.6	
20	778.517	1436.6	24.9	15.7	6.7	1.6	-6.1	-528995	1.7	
20	778.817	1436.7	26.1	18	6.8	2.5	-6	-524227	1.5	
20	779.117	1436.8	25.8	16.2	7	2.3	-5.9	-519544	1.8	
20	779.417	1436.8	24.6	15.5	7	0.9	-5.9	-514564	2	
20	779.717	1436.9	25.9	16.1	6.8	1.5	-5.8	-509184	2	
20	780.017	1437	25.9	14.2	6.8	1.3	-5.7	-503308	2.2	
20	780.317	1436.7	25.6	14.9	6.7	0.5	-6	-496977	2	
20	780.617	1436.3	27.4	15.6	6.5	1.2	-6.3	-489769	1.9	
20	780.917	1436	27.9	16.4	6.3	2.2	-6.5	-481436	2	
20	781.217	1435.5	27.5	14.5	6.1	0.6	-6.9	-472100	1.9	
20	781.517	1435.1	28.2	16.2	5.9	1.2	-7.2	-462506	2	
20	781.817	1434.9	28.9	15.4	5.9	2.5	-7.4	-453000	1.8	
20	782.117	1435.1	29	15.9	6	0.6	-7.5	-444065	1.4	
20	782.417	1435.1	29.5	16.5	6	1.8	-7.6	-435929	1.7	
20	782.717	1435.5	29.3	15.2	6.4	1.4	-7.4	-428524	1.6	
20	783.017	1435.6	30.8	16.7	6.6	1	-7.4	-422216	1.4	
20	783.317	1435.7	30.5	16.1	6.6	0.5	-7.3	-417085	1.6	
20	783.617	1435.8	31.6	16.7	6.8	1.6	-7.1	-413380	1.5	
20	783.917	1436.1	32.1	17.1	6.9	1.1	-6.8	-410865	1.7	
20	784.217	1436.1	31.8	16.8	7.2	0.3	-6.9	-409099	1.7	
20	784.517	1436.3	33.7	18.6	7.4	1.5	-6.9	-407824	1.6	
20	784.817	1436.4	32.9	16.7	7.7	0.5	-7	-407031	1.9	
20	785.117	1436.4	33.4	15.6	8	0.7	-7.4	-406478	1.6	
20	785.417	1436.5	35	17.6	8.2	1.2	-7.6	-405769	1.5	
20	785.717	1436.8	35.3	16.2	8.7	1.5	-7.8	-404906	1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	786.017	1436.8	35.4	16.6	8.9	0.5	-8.2	-403579	1.1	
20	786.317	1436.9	37.3	18.1	8.9	1.6	-8.3	-401644	1	
20	786.617	1436.8	37.5	17.7	9	2.1	-8.4	-399194	0.9	
20	786.917	1436.6	38.6	19.2	8.9	1	-8.6	-396172	0.6	
20	787.217	1436.3	39	19.9	8.7	2	-8.7	-392754	0.5	
20	787.517	1436.1	39.4	18.1	8.5	2.1	-8.7	-388960	0.5	
20	787.817	1436.1	39.8	18.3	8.2	0.8	-8.6	-385097	0.5	
20	788.117	1436.2	39.9	18.7	7.9	1.4	-8.5	-381102	0.7	
20	788.417	1436.4	40.5	18	7.9	2.1	-8.3	-376917	0.7	
20	788.717	1436.4	41.2	19	7.8	1.4	-8.2	-372757	0.9	
20	789.017	1436.3	40.7	18.1	7.8	0.6	-8.3	-368622	1.2	
20	789.317	1436.2	42.6	20.2	7.9	2.2	-8.4	-364515	1.3	
20	789.617	1436.2	42.2	19.7	8.2	1.7	-8.4	-360561	1.7	
20	789.917	1436.3	42.1	18.4	8.6	2	-8.7	-356812	1.8	
20	790.217	1436.5	43.9	19.8	8.8	2.6	-8.8	-353142	2	
20	790.517	1436.7	43.1	18.3	9.1	2.7	-8.9	-349721	2.4	
20	790.817	1436.8	42.9	17.4	9.7	1.6	-9.4	-346594	2.4	
20	791.117	1436.7	44.2	19.3	10.1	2.8	-10	-343637	2.3	
20	791.417	1436.7	45.2	19.1	10.3	4.8	-10.3	-340895	2.3	
20	791.717	1436.8	44.9	19.1	10.6	2.7	-10.6	-338416	2.1	
20	792.017	1436.6	45.4	20.8	10.6	3.9	-10.8	-336026	2.3	
20	792.317	1436.8	44.4	18.5	10.6	2.9	-10.8	-333511	2.1	
20	792.617	1436.8	46.9	21	10.7	3.7	-10.9	-330980	2	
20	792.917	1436.8	45.7	20.1	10.5	3.2	-10.8	-328333	1.8	
20	793.217	1436.7	46.9	19.5	10	4.5	-10.4	-325728	1.4	
20	793.517	1436.8	46.2	18.3	9.5	2.8	-9.7	-323214	1.8	
20	793.817	1437.1	44.6	17.1	9.3	0.7	-9.1	-320837	1.7	
20	794.117	1437.3	45.9	17.7	9.1	1.5	-8.6	-318398	1.4	
20	794.417	1437.5	45.3	16.4	9	0.4	-8	-316043	1.4	
20	794.717	1437.7	45.1	16.1	8.5	0.1	-7.5	-313816	1.2	
20	795.017	1437.6	46.4	16.9	8.3	0.4	-7.1	-311668	0.9	
20	795.317	1437.6	45.5	16.2	8.2	-0.7	-7	-309731	0.8	
20	795.617	1437.4	44.8	14	8.2	-1.5	-7.2	-307819	0.6	
20	795.917	1437.3	46.2	15.7	8.4	-0.8	-7.6	-305841	0.3	
20	796.217	1437.2	46.1	14.5	8.7	0	-8.1	-303755	0.2	
20	796.517	1436.8	46.7	14.6	8.8	-0.4	-8.8	-301524	0.1	
20	796.817	1436.5	47.3	15.5	9.2	0.1	-9.6	-299155	0.2	
20	797.117	1436.5	48.1	14.4	9.8	0.8	-10.2	-296739	0.6	
20	797.417	1436.1	46.9	14	10.4	-1.2	-11.1	-294361	0.9	
20	797.717	1436.1	48.4	15	10.8	1.6	-11.5	-291980	1.5	
20	798.017	1436.1	46.9	11.9	11.3	0.6	-11.8	-289517	1.9	
20	798.317	1436.2	48.4	13.1	11.7	1	-12.2	-287096	2	
20	798.617	1436.1	48	12.6	11.7	1.1	-12.3	-284714	2.5	
20	798.917	1436.2	48.5	11.2	11.9	1.2	-12.3	-282410	2.7	
20	799.217	1436.2	49.5	12	12	1.3	-12.3	-280293	2.8	
20	799.517	1436.1	50.7	12.1	11.7	2.4	-12.2	-278430	2.8	
20	799.817	1436	51.6	12.6	11.6	3	-11.9	-276627	2.8	
20	800.117	1436	51.1	11.7	11.5	1.5	-11.8	-274993	2.9	
20	800.417	1435.9	51.5	11.7	11.5	2.3	-11.8	-273555	2.8	
20	800.717	1436	52.7	12.8	11.3	2.4	-11.7	-272240	2.6	
20	801.017	1436.2	52.7	12.2	11.5	2	-11.7	-271217	2.4	
20	801.317	1436.4	53.3	12.1	11.6	2.5	-11.8	-270516	2.2	
20	801.617	1436.6	54.7	14	11.6	3.3	-11.7	-269923	2.3	
20	801.917	1436.7	54.1	11.5	11.8	2	-11.8	-269402	2.2	
20	802.217	1436.5	55.8	13.6	12	2.5	-12.2	-268953	2	
20	802.517	1436.4	56.5	14.4	12.2	3.6	-12.4	-268470	1.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	802.817	1436.3	57.1	13.2	12.2	3.9	-12.5	-267954	1.5	
20	803.117	1436.5	57.4	14.3	12.4	2.6	-12.5	-267339	1.2	
20	803.417	1436.6	58.1	15.2	12.3	3.5	-12.3	-266556	1.1	
20	803.717	1437.1	57.4	13.2	12.5	2.3	-11.9	-265407	0.9	
20	804.017	1437.2	57.9	12.7	12.5	1.3	-11.8	-263902	0.7	
20	804.317	1437.2	58	13.1	12.5	1.9	-11.8	-262151	0.6	
20	804.617	1437.3	59	13.6	12.5	2.1	-11.6	-260099	0.6	
20	804.917	1437.2	58.3	13.9	12.4	0.8	-11.6	-257825	0.8	
20	805.217	1437.3	57.9	11	12.5	0.1	-11.6	-255404	0.7	
20	805.517	1437.2	59.3	13.6	12.6	0.9	-11.8	-252844	0.6	
20	805.817	1437.1	58.8	11.9	12.9	0	-12.2	-250215	0.6	
20	806.117	1436.7	58.8	12.6	12.8	0	-12.9	-247699	0.5	
20	806.417	1436.5	59.9	15.3	12.9	0.6	-13.4	-245406	0.5	
20	806.717	1436.3	59.3	13.4	13	0.2	-13.9	-243381	0.6	
20	807.017	1436.3	59.1	13.8	13	-0.7	-14.3	-241723	0.7	
20	807.317	1436.4	60.1	15	13.2	0.9	-14.4	-240391	0.8	
20	807.617	1436.5	60	13.6	13.1	1.4	-14.5	-239429	0.9	
20	807.917	1436.3	60.6	15.1	12.9	0.7	-14.7	-238719	1.2	
20	808.217	1436.3	60.7	15.9	12.8	1.6	-14.6	-238393	1.7	
20	808.517	1436.5	61.2	15	12.8	1.9	-14.4	-238502	1.9	
20	808.817	1436.7	61.7	15.6	12.9	1.3	-14.2	-238828	1.9	
20	809.117	1437.2	61.5	14.8	13.2	2.3	-13.9	-239238	1.9	
20	809.417	1437.9	62.1	14.8	13.6	2.4	-13.4	-239648	1.8	
20	809.717	1438.1	61.7	13.6	13.7	1.8	-13.3	-240033	2.1	
20	810.017	1438.5	61.2	14.3	14	1.7	-13.2	-240281	2.3	
20	810.317	1439	62.9	14.5	14.4	2.8	-12.8	-240336	2	
20	810.617	1439.2	62.8	15.9	14.5	2.2	-12.6	-240226	1.7	
20	810.917	1439.5	63.6	15.2	14.4	2.7	-12.3	-239785	1.3	
20	811.217	1439.5	64.6	16.6	14.1	2.9	-12	-239074	1.1	
20	811.517	1439.4	62.8	14.3	13.9	1.8	-12	-238230	1.6	
20	811.817	1439.1	64	14.5	13.4	1.3	-12.1	-237286	0.8	
20	812.117	1439	63.9	13.2	13.2	1.9	-12.1	-236268	0.6	
20	812.417	1438.9	63.5	11.9	13	1.8	-12.2	-235259	0.4	
20	812.717	1438.5	63.6	12.5	12.4	0.4	-12.4	-234286	0.3	
20	813.017	1438.2	63.8	12.3	12.2	1.6	-12.6	-233424	0.7	
20	813.317	1438.2	63.3	10.6	12.2	0.8	-12.7	-232620	0.8	
20	813.617	1438	63.9	11.2	12.2	0.3	-13.1	-231873	0.8	
20	813.917	1437.8	63.7	10.4	12.6	1.2	-13.6	-231105	0.9	
20	814.217	1437.8	64.8	10.1	13.1	1.6	-13.9	-230368	0.9	
20	814.517	1437.7	63.5	9.4	13.5	0.6	-14.3	-229711	1.2	
20	814.817	1437.8	63.1	7.3	14.1	0.9	-14.6	-229082	1.4	
20	815.117	1438	64.1	7.6	14.8	1.7	-14.8	-228557	1.3	
20	815.417	1438	62.9	5.8	15.6	1.1	-15.3	-228084	1.5	
20	815.717	1438	62.9	5.5	16.1	1	-15.9	-227712	1.6	
20	816.017	1438.2	64.2	6.1	16.4	2.2	-16.1	-227440	1.8	
20	816.317	1438.3	63.9	6.5	16.5	2.9	-16	-227341	2.1	
20	816.617	1438.1	64.1	6.2	16.1	2.3	-15.9	-227341	2.1	
20	816.917	1438	64.4	6.4	15.6	2.8	-15.5	-227415	2.1	
20	817.217	1437.8	63.7	4.7	14.8	2.5	-15	-227638	2.3	
20	817.517	1437.4	63.8	5.5	13.8	1.9	-14.6	-227861	2.4	
20	817.817	1437.1	62.9	5	13.1	2.6	-14.1	-228035	2.8	
20	818.117	1437.4	63.8	4.5	12.4	2.8	-13	-228233	2.7	
20	818.417	1437.7	63.8	5	11.6	2.3	-11.8	-228408	2.5	
20	818.717	1437.8	62.5	3.7	11.4	0.6	-11.1	-228557	2.5	
20	819.017	1438	63	3.1	11.5	0.3	-10.8	-228732	1.7	
20	819.317	1438	63.8	4.5	11.7	0.3	-10.8	-228932	1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	819.617	1438.3	63.9	4.8	12.3	1	-10.8	-229032	0.9	
20	819.917	1438.4	64.5	4.4	13	0.3	-11	-229132	0.4	
20	820.217	1438.3	63.2	3.2	13.6	-0.1	-11.6	-229258	0.2	
20	820.517	1438.1	64.4	3.8	13.8	0.3	-12.2	-229283	0	
20	820.817	1437.5	63.9	3.2	14	-0.8	-13.3	-229258	-0.2	
20	821.117	1436.8	64.9	3.7	14.2	1.8	-14.3	-229132	0	
20	821.417	1436.4	64.7	3	14.3	1.2	-14.9	-228882	-0.2	
20	821.717	1436.2	65	3.5	14.4	1.4	-15.2	-228507	0	
20	822.017	1435.8	63.9	1.8	14	0.7	-15.6	-228134	0.3	
20	822.317	1435.4	65.4	3.7	13.7	2	-16	-227712	0.5	
20	822.617	1435.4	64.2	3	13.7	1.6	-16.1	-227292	1.1	
20	822.917	1435.7	64.4	1.5	13.6	2.5	-15.8	-226972	1.3	
20	823.217	1435.8	65.1	2.3	13.8	2.7	-15.6	-226726	1.9	
20	823.517	1436	63.8	0.2	13.9	2.3	-15.2	-226579	2.2	
20	823.817	1436	63.6	-1	13.7	1.6	-14.9	-226603	2	
20	824.117	1436.1	63.5	0.7	13.8	1.4	-14.7	-226849	2	
20	824.417	1436.6	63	-1	14.2	1.5	-14.4	-227243	1.8	
20	824.717	1437	63.4	-0.5	14.3	0.3	-14.1	-227811	1.4	
20	825.017	1437.2	64.2	0.7	14	2.3	-13.7	-228507	1.7	
20	825.317	1437.7	61.9	-1.7	14.3	-0.7	-13.5	-229258	1.3	
20	825.617	1437.8	64.7	0.9	14.2	1.3	-13.3	-230190	1.3	
20	825.917	1437.8	62.4	-0.9	14	0.1	-13.3	-231335	1.5	
20	826.217	1437.9	63.3	-0.6	14	1	-13.3	-232594	1.2	
20	826.517	1437.8	63.2	-0.5	13.9	0.5	-13.4	-233841	1.2	
20	826.817	1437.8	62.7	-2.1	13.6	0.6	-13.6	-235127	1.2	
20	827.117	1438.1	63.6	0.1	13.5	1.4	-13.4	-236322	1.2	
20	827.417	1438.3	63	-0.1	13.7	0.8	-13.5	-237339	1.5	
20	827.717	1438.1	63.3	-0.8	13.4	2.2	-13.8	-238258	1.6	
20	828.017	1438.1	64.2	1.3	13.6	1.7	-13.9	-239019	1.7	
20	828.317	1438.2	63.9	1	13.8	3.4	-13.9	-239374	2	
20	828.617	1438.4	63.4	-0.8	13.9	2.2	-13.8	-239347	1.8	
20	828.917	1438.5	64.3	0.4	13.9	3.1	-13.5	-239074	1.9	
20	829.217	1438.9	63.6	-0.5	14.2	3	-13.1	-238692	1.9	
20	829.517	1439	63.4	-1	14.2	1.5	-13	-238339	1.5	
20	829.817	1439.1	63.3	-0.4	14.4	2.1	-12.9	-238014	1.4	
20	830.117	1439.3	63.6	-0.2	14.6	2.5	-12.7	-237798	1.2	
20	830.417	1439	63.8	0.9	14.3	1.8	-12.7	-237798	1.1	
20	830.717	1438.7	62.6	-1.2	14	1.6	-12.7	-238068	1.4	
20	831.017	1438.7	62.7	-1.1	13.8	1.2	-12.8	-238719	1	
20	831.317	1438.4	63	0.5	13.7	0.7	-13	-239676	0.7	
20	831.617	1437.8	62.2	-0.8	13.4	0.4	-13.5	-240861	0.7	
20	831.917	1437.5	63.2	-0.6	13.1	1.7	-13.6	-242086	0.5	
20	832.217	1437	62.2	-1.7	12.8	0.7	-13.8	-243466	0.9	
20	832.517	1436.7	61.3	-3.2	12.3	-0.1	-13.9	-245061	0.9	
20	832.817	1436.7	62.1	-1.1	12.4	0.5	-13.7	-246765	1	
20	833.117	1436.7	60.9	-3.5	12.4	0.4	-13.6	-248405	1.3	
20	833.417	1436.9	61.6	-2.3	12.3	0.8	-13.3	-250096	1.1	
20	833.717	1436.9	61.6	-3.3	12.2	0.5	-13	-251780	1.1	
20	834.017	1436.9	61.4	-3.3	12.1	1.3	-12.6	-253456	1.4	
20	834.317	1437	60.6	-4.4	11.8	-0.2	-12.3	-255186	1.4	
20	834.617	1437	61.5	-2.4	11.6	1.4	-12	-256908	1.6	
20	834.917	1437.2	61	-4.4	11.8	1.2	-11.8	-258462	1.5	
20	835.217	1437	61.3	-2.9	11.6	0.9	-11.8	-259841	1.3	
20	835.517	1437.1	61.1	-3.3	11.6	2	-11.6	-261105	1.6	
20	835.817	1437	61	-4.1	11.4	1.4	-11.4	-262216	1.4	
20	836.117	1437	61.5	-2.3	11.3	1.6	-11.2	-263172	1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	836.417	1437	60.8	-2.8	11.4	1.4	-11.2	-264002	1.3	
20	836.717	1437.5	61.2	-2.3	11.8	2	-11	-265004	1.1	
20	837.017	1437.8	61.2	-1.8	12	2	-11	-266048	1.1	
20	837.317	1437.6	61.3	-2.1	11.7	2.1	-11.2	-267134	1.1	
20	837.617	1437.6	61.3	-2.9	11.7	2.2	-11.2	-268366	1.1	
20	837.917	1437.5	60.5	-1.4	11.5	1.7	-11.3	-269819	1.4	
20	838.217	1437.1	60.3	-4.4	11.4	1.3	-11.7	-271463	1.4	
20	838.517	1436.8	60.6	-1.8	11.3	1.9	-11.9	-273270	1.5	
20	838.817	1436.6	60	-3.3	11.4	2.2	-12.1	-275209	1.9	
20	839.117	1436.4	60.1	-3.1	11	2.1	-12.2	-277103	2.1	
20	839.417	1436.6	59.2	-3.5	11.1	1.7	-12.1	-278912	2.4	
20	839.717	1437	59.7	-3.9	11.4	1.7	-12	-280782	2.2	
20	840.017	1437.3	59.2	-3.8	11.4	0.6	-11.8	-282792	2.1	
20	840.317	1437.5	59.3	-4	11.4	1.4	-11.6	-284947	1.8	
20	840.617	1437.9	59.8	-4.4	11.8	1.7	-11.2	-287253	1.1	
20	840.917	1437.9	58.9	-5	11.7	0.3	-10.9	-289758	0.7	
20	841.217	1437.6	58.6	-4.8	11.3	0.4	-10.8	-292510	0.3	
20	841.517	1437.8	59.1	-5.2	11.1	1.5	-10.6	-295441	-0.1	
20	841.817	1437.4	58.6	-5	10.6	2	-10.8	-298643	0	
20	842.117	1437.6	59.1	-4.3	10.5	1.2	-10.7	-302003	-0.2	
20	842.417	1437.8	60	-3.3	10.3	3.4	-10.4	-305484	-0.4	
20	842.717	1437.8	58.9	-4.7	10	2	-10.2	-308863	-0.3	
20	843.017	1437.5	58.2	-5.6	9.5	1.8	-10.2	-311946	0.1	
20	843.317	1437.5	58	-4.6	9.4	2.8	-9.9	-314807	0.5	
20	843.617	1437.7	57	-5.7	9.6	2.8	-9.6	-317288	0.9	
20	843.917	1438.2	54.8	-8.2	10	0.3	-9.4	-319564	1.3	
20	844.217	1438.6	53.9	-8.3	10.3	1.3	-9.1	-321576	1.7	
20	844.517	1438.7	55.6	-7.6	10.1	2.1	-8.9	-323314	1.7	
20	844.817	1438.6	53.1	-9.1	10.1	-0.6	-9.2	-324869	1.8	
20	845.117	1438.5	53.9	-7.4	10.1	1.5	-9.4	-326490	1.7	
20	845.417	1438.4	53.3	-8.8	10.3	1.1	-9.6	-328385	1.5	
20	845.717	1438	52.6	-8.3	10.2	1	-9.9	-330458	1.7	
20	846.017	1437.7	51.6	-10	10.4	0.5	-10.4	-332716	1.5	
20	846.317	1437.3	52.5	-9.1	10.3	2.1	-10.8	-335058	1.4	
20	846.617	1437.4	50.1	-11.3	9.8	1.4	-10.4	-337597	1.5	
20	846.917	1437.4	51.2	-9.4	9.8	0.1	-10.5	-340230	1.1	
20	847.217	1437.6	50.9	-10.6	9.7	2.5	-10.2	-343074	1.3	
20	847.517	1437.8	49.3	-11.7	9.5	0.8	-9.9	-346079	1.5	
20	847.817	1437.9	49.1	-12.2	9.1	1.8	-9.6	-349196	1.7	
20	848.117	1437.8	48.6	-12.5	8.8	1.9	-9.2	-352488	2.2	
20	848.417	1437.7	48.1	-12.9	8.4	2.4	-8.8	-356024	2.1	
20	848.717	1437.5	48.7	-12.8	8	2.7	-8.4	-359879	2.1	
20	849.017	1437.5	46.4	-14.4	7.9	1.7	-8.3	-364071	2	
20	849.317	1437.6	48.9	-12.3	8	4	-8.2	-368622	2.1	
20	849.617	1437.7	46.3	-14.9	7.8	1.9	-8	-373421	2.5	
20	849.917	1437.9	46	-15.3	7.5	3.5	-7.6	-378347	2.8	
20	850.217	1438.3	44.8	-16.5	7.6	3	-7.1	-383124	3	
20	850.517	1438.4	45.1	-15.4	7.8	3.4	-6.8	-387736	2.7	
20	850.817	1438.5	44	-16.3	7.8	3.1	-6.4	-391945	2.8	
20	851.117	1438.5	43.8	-16.8	7.7	2.9	-6	-395798	2.7	
20	851.417	1438.4	43.4	-16.6	7.5	3.7	-5.9	-399346	2.9	
20	851.717	1438.3	42.9	-17.2	7.3	1.8	-5.9	-402571	2.6	
20	852.017	1438.3	43	-16.2	7.2	3.1	-5.8	-405691	2.4	
20	852.317	1438.2	41.4	-18.3	7.1	1.9	-5.9	-408620	2.4	
20	852.617	1437.6	40.5	-18.7	6.7	1.3	-6.4	-411350	2.2	
20	852.917	1436.9	40.2	-19.1	6.4	1.7	-7	-414116	2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	853.217	1436.5	39.2	-20.6	6.2	1.2	-7.5	-416919	2	
20	853.517	1436.1	38.5	-20.4	6.4	1	-8.1	-419761	1.9	
20	853.817	1436.1	38.8	-19.8	6.6	1.9	-8.3	-422727	1.9	
20	854.117	1436.2	38.5	-20.6	6.9	1.2	-8.5	-425736	1.4	
20	854.417	1436.2	38.3	-20.3	7.2	0.7	-8.8	-428787	1.3	
20	854.717	1436.1	37.8	-21.3	7.2	1	-8.9	-432061	1.3	
20	855.017	1436.2	37.9	-22.1	7.5	2.2	-8.6	-436020	1.5	
20	855.317	1436.6	36	-22.9	7.9	1	-8.1	-440793	1.8	
20	855.617	1437	36.1	-22.1	8.1	1.6	-7.6	-446337	1.5	
20	855.917	1437.1	35.1	-22.9	8	1.4	-7.1	-453000	1.5	
20	856.217	1437.2	34.3	-22.7	8	0.5	-6.8	-460674	1.5	
20	856.517	1437.2	34.5	-20.3	7.5	1.3	-6.5	-469349	1.6	
20	856.817	1437.3	34.8	-19.1	7.2	1.6	-6.2	-478465	1.5	
20	857.117	1437.3	34.7	-20.9	6.8	1.8	-5.9	-488284	1.4	
20	857.417	1437	33.8	-19.3	6.4	0.8	-5.9	-498278	1.8	
20	857.717	1436.8	33.4	-20.5	6.1	2.1	-5.8	-508072	2	
20	858.017	1436.6	32.7	-20.6	5.7	1.1	-5.7	-517617	2.1	
20	858.317	1436.3	31.9	-20.7	5.7	0.9	-5.8	-526468	2.1	
20	858.617	1436	31.7	-19.9	5.1	2	-5.6	-534805	2.5	
20	858.917	1436.2	31.1	-21.4	5.3	1.1	-5.4	-542706	2.4	
20	859.217	1436.4	31	-19.1	5.2	1.7	-5.1	-550266	2.6	
20	859.517	1436.7	30.8	-20.4	5.2	1.5	-4.8	-557148	2.7	
20	859.817	1436.7	31.8	-19.1	5.4	3.3	-4.7	-563293	2.8	
20	860.117	1436.5	30.5	-18.8	5.3	2.2	-4.9	-568648	3	
20	860.417	1436.3	31.3	-17.8	5.1	3.1	-5.1	-573162	2.4	
20	860.717	1435.8	31.1	-17.5	5.1	3.6	-5.4	-577270	2.2	
20	861.017	1435.8	30	-18.1	5.4	2.6	-5.7	-580632	2	
20	861.317	1435.4	30.2	-18.5	5.1	3.7	-6.1	-583220	1.8	
20	861.617	1435.3	29.1	-17.3	5.2	2.9	-6.4	-585667	1.4	
20	861.917	1435.2	29.4	-19.5	5.2	3.2	-6.8	-588465	1	
20	862.217	1435.1	28.8	-17.5	5.2	2	-7	-591792	0.7	
20	862.517	1435.4	29.3	-16.7	5.5	2.8	-7	-596173	0.1	
20	862.817	1435.9	28.5	-16.3	5.9	1.5	-6.8	-602347	-0.2	
20	863.117	1436	27.5	-17.6	6.3	0.4	-6.8	-610603	-0.4	
20	863.417	1436.2	27	-17	6	0.9	-6.5	-620925	-0.4	
20	863.717	1436.6	25.6	-18.2	6.3	0.3	-6.1	-634088	-0.1	
20	864.017	1436.7	24.3	-19.1	6.3	-0.4	-5.9		0.3	
20	864.317	1436.8	23.6	-19.3	6.2	0.1	-5.6		0.8	
20	864.617	1437.1	23.2	-19.8	6.3	0.6	-5.2		1.1	
20	864.917	1437.2	22.7	-18.7	5.7	1	-4.8		1.6	
20	865.217	1437.3	22.3	-18.2	5.2	1.2	-4.2		2	
20	865.517	1437.2	22.3	-17.9	4.4	2.7	-3.7		2.5	
20	865.817	1437.5	21.4	-17.8	3.7	2.2	-3		3.1	
20	866.117	1437.5	20.1	-18.4	3.2	2.1	-2.7		3.3	
20	866.417	1437.3	20.9	-17.9	2.9	5	-2.4		3.4	
20	866.717	1437.2	19.2	-19.3	2.2	3.6	-1.9		3.5	
20	867.017	1436.9	18.6	-19.7	1.7	2.9	-1.7		3.7	
20	867.317	1437.1	17.3	-20.5	2.1	2.4	-1.6		4.1	
20	867.617	1436.8	17.7	-20.2	2.2	3.1	-1.8		4.4	
20	867.917	1437.1	16.6	-19.4	2.9	2.1	-2		4.6	
20	868.217	1437.3	17.6	-18.5	3.5	3.2	-2.4		4.3	
20	868.517	1437.4	17	-18.1	4	2.9	-2.6		4.2	
20	868.817	1437	14.3	-20	3.7	0.2	-2.7		4.6	
20	869.117	1436.9	14.5	-20	4	1.3	-3		4.8	
20	869.417	1436.7	15.7	-19.1	4.4	2.3	-3.5		4	
20	869.717	1436	15.3	-19.4	3.9	2.1	-3.9		3.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
20	870.017	1435.6	15.7	-18.1	3.8	1.8	-4.1		2.5	
20	870.317	1435.2	16	-17.4	3.4	2	-4.2		1.9	
20	870.617	1434.9	16	-16.7	3	1	-4.2		1.1	
20	870.917	1434.6	16.4	-15.5	2.8	0.6	-4.3		0.5	
20	871.217	1434.7	16.5	-15.2	3	1.1	-4.4		-0.1	
20	871.517	1434.7	16.9	-14.2			-4.4		-0.8	
20	871.817	1434.7	16.1	-14.9			-4.2		-0.8	
20	872.117	1434.8	15.7	-15.1			-3.8		-0.7	
20	872.417	1435	15.1	-16.7			-3.3		-0.6	
20	872.717	1434.9	15.1	-15.4			-2.8		-0.1	
20	873.017	1435	14.7	-16.6			-2.3		0.3	
20	873.317	1434.8	15.6	-15.5			-1.8		0.5	
20	873.617	1435.2	16.4	-13.6			-1.1		0.6	

Perfil	STE Metro CDMX
Lugar Inicial	21km 20.0m
PK Final	21km 951.8m
Sentido De Avance	Incremento
Referencias Trabajo	VIA 1
ID Ruta/Liena	Mexicaltzingo Ermita
ID Vía	Via Principal
Hora Inicial	13:13:21 09-dic.-21
Hora Final	13:29:18 09-dic.-21
Versión Software	TOP01S020r0010(74)
Unid. Desplazamiento	Milímetros
Unidad Longitud	Milímetros
Unidad de ángulo	Grados
ID Perfil	L12
Signo del Peralte	Sentido horario
Intervalo adquisición	300.0mm (300.0mm)
Nivel. I superpuesto 1	12600.0mm
Nivel. I superpuesto 2	19000.0mm
Base Radio Derecho	20.0m (20.1m)
Base Radio Curv.Prom D	20.0m
Base Áng.Curv. Prom. D	20.0m
Áng.Curv.Cuerda Der	20.0m
Nivel. D superpuesto 1	20.0m
Nivel. D superpuesto 2	20.0m
Temp. Sistema Inicial	22.8°C
Temp. Sistema final	23.5°C
Ancho Referencia	1435.0mm
Ancho Refcia. Peralte	1500.0mm
Long. Cuerda Delantera	2500.0mm (2400.0mm)
Long. cuerda trasera	2500.0mm (2400.0mm)
Temperatura Nivelación	21.0°C

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	20.3	1435	13.5				-1.7		-1.5	
21	20.6	1434.8	12.7				-1.8		-0.7	
21	20.9	1434.9	13.4				-1.7		-0.4	
21	21.2	1434.7	12.5				-1.7		-0.1	
21	21.5	1434.7	11.9				-1.5		0.6	
21	21.8	1434.9	11.4				-1.3		0.8	
21	22.1	1434.9	12.1				-1.1		0.9	
21	22.4	1434.9	11.6				-0.8		1.4	
21	22.7	1435.2	11.3		0.8	0	-0.4		1.7	
21	23	1435.3	11.5		0.7	0.5	-0.1		1.5	
21	23.3	1435.4	12.3		0.3	0.5	0.2		1.1	
21	23.6	1435	12.3		-0.2	0.4	0.3		0.7	
21	23.9	1434.8	11.4		-0.5	-0.5	0.4		0.6	
21	24.2	1434.6	11.8		-0.9	-0.3	0.4		0.2	
21	24.5	1434.5	12.3		-1.1	-0.6	0.3		-0.3	
21	24.8	1434.5	12.6		-0.8	-0.8	0.2		-0.8	
21	25.1	1434.6	12.5		-0.7	-1.1	0.1		-1.1	
21	25.4	1434.6	12.3		-0.4	-1.2	-0.1		-1.3	
21	25.7	1434.8	12.5		0.3	-1.7	-0.4		-1.8	
21	26	1435.2	12.7		0.9	-1.8	-0.5		-2.1	
21	26.3	1435.2	13.1		1.3	-1	-0.7		-2.5	
21	26.6	1435.4	13.3		1.9	-1	-0.7		-2.7	
21	26.9	1435.6	13.2		2.1	-1.5	-0.5		-2.9	
21	27.2	1435.4	13.5		1.9	-1.4	-0.5		-3.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	27.5	1435.2	13.7		1.5	-1.3	-0.5		-3.2	
21	27.8	1434.8	13		1.2	-1.2	-0.5		-2.5	
21	28.1	1434.5	12.6		0.6	-0.4	-0.4		-1.5	
21	28.4	1434.5	12.5		0.1	0.4	0		-0.7	
21	28.7	1434.3	11.9		-0.7	0.5	0.4		0.3	
21	29	1433.8	11.5		-1.5	1.2	0.6		1.9	
21	29.3	1433.5	11.3		-2.2	2.5	0.8		3.3	
21	29.6	1433.5	10.8		-2.4	2.8	0.9		4.3	
21	29.9	1433.8	11.2		-2.2	3.4	1.1		4.6	
21	30.2	1433.7	11.2		-2.4	3.7	1.2	-3965436	4.6	
21	30.5	1433.8	10.6		-2.2	3.3	1.2	-4003346	4.4	
21	30.8	1433.7	10.2		-2.2	2.7	1	-4089356	4	
21	31.1	1434	10.3		-1.7	2	0.8	-4204318	3.4	
21	31.4	1434	11.1		-1.4	1.6	0.7	-4343880	2.4	
21	31.7	1434.3	11.1		-1.1	0.7	0.8	-4502689	0.9	
21	32	1434.6	11.1		-1	-0.5	1	-4673549	-0.6	
21	32.3	1434.7	11.2		-1.1	-2.3	1.1	-4869186	-2.2	
21	32.6	1434.9	11.3		-0.8	-4	1.2	-5045181	-3.6	
21	32.9	1435.1	10.7	-2.8	-0.6	-5.1	1.3	-5195410	-4.7	
21	33.2	1435.3	10.5	-2.2	-0.4	-5.7	1.4	-5314087	-5.6	
21	33.5	1435.5	11.6	-1.8	-0.2	-6.2	1.4	-5396263	-6.9	
21	33.8	1435.6	12.4	-0.1	-0.1	-6.6	1.4	-5466710	-8.2	
21	34.1	1435.7	11.3	-0.6	-0.1	-8	1.1	-5509869	-8.4	
21	34.4	1435.6	11.3	-0.1	0.3	-9	0.4	-5568484	-8.1	
21	34.7	1435.6	11.4	-0.7	1	-8	-0.4	-5643531	-7.7	
21	35	1435.3	12.3	0.7	1.3	-6.5	-1.2	-5736302	-6.9	
21	35.3	1435.1	11.5	0.2	1.7	-5.6	-1.9	-5864846	-5.5	
21	35.6	1434.8	11	-0.5	2	-5	-2.6	-6033862	-4.6	
21	35.9	1434.6	11.5	-0.8	2.3	-3.4	-3.1	-6231399	-3.5	
21	36.2	1434.6	10.6	-1.7	2.8	-3.4	-3.5	-6442308	-2.1	
21	36.5	1435	10.8	-0.6	3.5	-1.8	-3.8	-6667994	-1.3	
21	36.8	1435.2	13.4	1.6	4	1.6	-4	-6864754	-0.7	
21	37.1	1435.4	12.2	-0.1	4.1	1.5	-4	-6955980	0.2	
21	37.4	1435.5	12.6	0	4.1	2.2	-3.9	-6979167	0.9	
21	37.7	1435.5	12.5	0	4.1	3.1	-3.9	-6932947	1.5	
21	38	1435.5	12.4	0.1	4.1	3.8	-3.9	-6842320	1.9	
21	38.3	1435.2	11.3	-1.2	3.8	2.9	-4	-6732315	2.4	
21	38.6	1435	11.3	-1.4	3.3	3.5	-3.9	-6563480	2.4	
21	38.9	1434.9	11.2	-1.9	2.6	2.9	-3.6	-6363982	1.8	
21	39.2	1434.8	11	-2.3	1.8	0.6	-3.2	-6176254	1	
21	39.5	1434.9	10.4	-2.8	1.2	0	-2.7	-5999284	0.5	
21	39.8	1435.2	10.4	-3.1	0.8	-0.9	-2.3	-5848464	-0.1	
21	40.1	1435.6	10.3	-3.4	0.6	-1.4	-1.7	-5689538	-0.6	
21	40.4	1435.9	10.1	-2.9	0.3	-2.2	-1.2	-5539021	-1.1	
21	40.7	1436.3	10.2	-2.4	0.4	-2.3	-0.7	-5410207	-1.7	
21	41	1436.7	9.9	-2.6	0.5	-3.1	-0.3	-5314087	-2.1	
21	41.3	1436.8	9.4	-2.5	0.6	-3.3	-0.1	-5247494	-1.9	
21	41.6	1437.2	9.4	-2.1	1	-3.1	0.2	-5195410	-1.6	
21	41.9	1437.5	9.7	-1.6	1.3	-2.8	0.4	-5106708	-1.7	
21	42.2	1437.9	9.9	-0.9	1.3	-2.3	0.7	-4973278	-1.7	
21	42.5	1437.9	9.8	-1.4	1.2	-2.6	0.7	-4802179	-1.6	
21	42.8	1438.1	9.9	-1.3	1.2	-2.4	0.8	-4632191	-1.7	
21	43.1	1438.1	10.3	-0.3	0.9	-2.1	0.8	-4435911	-1.5	
21	43.4	1437.9	10.5	0.3	0.6	-1.8	0.8	-4229798	-1.5	
21	43.7	1437.6	10.5	0.2	0.2	-1.6	0.8	-4041989	-1.5	
21	44	1437.1	10.8	-0.3	-0.2	-1.4	0.7	-3870148	-1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	44.3	1436.7	11.2	0.1	-0.9	-1	0.8	-3725534	-1.4	
21	44.6	1436.6	10.6	-0.5	-1.1	-1.7	0.8	-3622405	-1.1	
21	44.9	1436.4	11.3	0.1	-1.2	-0.8	0.8	-3566866	-1	
21	45.2	1436.4	11.2	-0.1	-1.3	-1.1	0.9	-3560800	-0.9	
21	45.5	1436.5	11.6	0.9	-1.1	-0.8	0.9	-3609914	-0.8	
21	45.8	1436.3	11.7	1.2	-1	-0.7	0.7	-3712323	-0.6	
21	46.1	1436.3	11.8	0.2	-0.7	-0.5	0.6	-3855894	-0.5	
21	46.4	1436.1	12	-0.4	-0.5	-0.5	0.4	-4041989	-0.5	
21	46.7	1436.1	11.9	0.6	-0.2	-0.9	0.2	-4281698	-0.6	
21	47	1435.8	12.4	1.1	-0.4	-0.1	-0.1	-4621965	-0.6	
21	47.3	1435.6	12.5	1.1	-0.4	-0.4	-0.4	-5057367	-0.7	
21	47.6	1435.4	12.8	0.5	-0.6	-0.3	-0.7	-5628360	-1	
21	47.9	1435.3	12.9	1.4	-0.7	-0.5	-0.9	-6383384	-1.1	
21	48.2	1435.3	13	2	-0.7	-0.6	-0.9	-7398410	-1.1	
21	48.5	1435.3	13.2	1.7	-1	-0.6	-0.8	-8871822	-1.2	
21	48.8	1435.3	13.2	2.6	-1	-0.6	-0.6	-1.1E+07	-1.2	
21	49.1	1435.6	13.3	2.5	-0.9	-0.3	-0.4	-1.4E+07	-1.3	
21	49.4	1436.1	13.2	-0.2	-0.3	-0.1	-0.2	-1.8E+07	-1.2	
21	49.7	1436.5	13.2	1	0.2	-0.5	0		-1.2	
21	50	1436.9	13.1	0.5	1	-0.6	0.1		-1.1	
21	50.3	1437.3	13	0.5	1.4	-0.4	0.2		-1.2	
21	50.6	1437.6	13.3	0.9	1.8	-0.1	0.3		-1.3	
21	50.9	1437.8	13.3	2	2.1	-0.6	0.3		-1.3	
21	51.2	1437.8	13.2	1.9	1.9	-0.7	0.3		-1.4	
21	51.5	1437.7	12.7	1.5	1.5	-1.1	0.3		-1.4	
21	51.8	1437.4	11.9	0.9	1	-1.1	0.1	-1.8E+07	-1.4	
21	52.1	1437	12.5	2.1	0.6	-1.1	-0.1	-1.6E+07	-1.5	
21	52.4	1436.1	12.3	1.9	-0.3	-1.4	-0.4	-1.4E+07	-1.5	
21	52.7	1436	11.5	1.2	-0.6	-2.2	-0.4	-1.2E+07	-1.5	
21	53	1435.7	11.2	1.1	-0.9	-2.6	-0.7	-1.1E+07	-1.7	
21	53.3	1435.6	12	1.8	-1	-2.2	-0.9	-1E+07	-2	
21	53.6	1435.9	11.8	1.9	-0.6	-2.3	-0.9	-9305556	-2.2	
21	53.9	1436.1	11.6	2.2	-0.2	-2.5	-0.9	-8651860	-2.2	
21	54.2	1436.5	9.9	0.5	0.5	-3.7	-1	-8115310	-2.2	
21	54.5	1436.5	11	1.3	0.5	-2.6	-1.2	-7613637	-1.8	
21	54.8	1436.7	11.3	1.4	1.2	-2.2	-1.3	-7145905	-1.3	
21	55.1	1436.8	11.4	1.6	1.3	-1	-1.3	-6710737	-0.5	
21	55.4	1437	10.8	0.9	1.5	-0.5	-1.1	-6268713	0.5	
21	55.7	1437.2	11.1	0.8	1.6	-0.2	-1	-5881320	0.9	
21	56	1437	10.7	0.2	1.4	0.2	-1	-5568484	2	
21	56.3	1436.7	11.1	0.6	1.1	1.8	-1	-5327608	2.9	
21	56.6	1436.7	10.9	0.1	0.8	3.1	-0.9	-5144349	3.4	
21	56.9	1437.3	11.2	0	0.9	2.8	-0.4	-4997017	3.1	
21	57.2	1437.5	12.1	1.5	0.7	3.3	-0.1	-4914906	2.7	
21	57.5	1437.6	12.3	1	0.4	2.4	0.3	-4903396	2.2	
21	57.8	1437.6	12.5	1.3	0	2.5	0.5	-4973278	1.7	
21	58.1	1437.6	12.5	0.9	-0.1	1.8	0.6	-5081918	1	
21	58.4	1437.4	13.2	1.5	-0.2	1.7	0.7	-5221322	0.3	
21	58.7	1437.1	12.9	1.1	-0.2	0.8	0.6	-5354860	-0.2	
21	59	1437	12.5	0.5	0	0.1	0.5	-5466710	-0.5	
21	59.3	1437	12	0.1	0.1	-0.4	0.2	-5568484	-0.7	
21	59.6	1437.1	11.7	-0.7	0.4	-1.1	-0.2	-5674120	-0.8	
21	59.9	1437.1	12.7	0.2	0.6	-0.2	-0.6	-5767907	-0.9	
21	60.2	1437.1	12.7	-0.1	0.7	-0.5	-0.9	-5864846	-0.9	
21	60.5	1437.1	12.3	-0.6	0.8	-0.9	-1.1	-5965100	-0.9	
21	60.8	1436.9	12.9	-0.1	0.9	-0.8	-1.3	-6051301	-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	61.1	1436.7	12.7	-0.5	1	-0.9	-1.5	-6158088	-1.2	
21	61.4	1436.4	12.8	-0.4	0.6	-0.8	-1.5	-6268713	-1.3	
21	61.7	1436.1	12.2	-1.1	0.3	-1.3	-1.5	-6363982	-1.4	
21	62	1436.4	11.9	-1.3	0.3	-1.2	-1.3	-6502329	-1.6	
21	62.3	1436.7	11.8	-1.4	0.5	-1.8	-1.3	-6667994	-1.8	
21	62.6	1436.9	12.2	-0.9	0.7	-1.4	-1.2	-6887336	-1.9	
21	62.9	1437.1	12.1	-0.9	0.8	-1.9	-1.1	-7097458	-2	
21	63.2	1437.2	12	-1.3	1	-2.1	-1	-7372359	-2	
21	63.5	1437.3	11.8	-1.5	1.4	-2.1	-1	-7697610	-2	
21	63.8	1437.6	12	-1.2	1.7	-2	-0.9	-8022031	-2	
21	64.1	1437.6	12.2	-0.5	2	-1.7	-0.9	-8375000	-1.9	
21	64.4	1437.8	11.3	-0.6	2.2	-2.4	-0.9	-8760460	-1.8	
21	64.7	1437.9	10.9	-1.6	2.3	-2.5	-1	-9183114	-1.7	
21	65	1437.8	10.7	-1.6	2.1	-2.8	-1.1	-9560502	-1.7	
21	65.3	1437.6	11.7	0.2	1.8	-1.8	-1.3	-9922986	-1.7	
21	65.6	1437.5	11.2	0	1.7	-2.2	-1.3	-1E+07	-1.5	
21	65.9	1437.2	11.2	-0.8	1.2	-1.9	-1.3	-1E+07	-1.3	
21	66.2	1437.2	11.2	-0.6	1.1	-1.9	-1.1	-1E+07	-1.2	
21	66.5	1436.9	11.8	0.2	0.9	-1	-1	-1E+07	-1.1	
21	66.8	1436.6	12	2.1	0.7	-0.5	-1	-1E+07	-0.9	
21	67.1	1436.5	11.6	0.6	0.5	-0.4	-0.8	-9876179	-0.6	
21	67.4	1436.8	11.5	0.2	0.7	-0.1	-0.5	-9517046	-0.2	
21	67.7	1437.2	11.5	0.1	0.9	-0.6	-0.1	-9063853	-0.1	
21	68	1437.1	11.7	0.9	0.8	-0.2	0	-8616255	0	
21	68.3	1437.2	11.8	0.7	1	-0.3	0.2	-8178711	0	
21	68.6	1436.7	11.9	1.2	0.3	-0.2	0.2	-7754630	0.1	
21	68.9	1436.4	11.2	0.1	0	-1	0.2	-7372359	0.1	
21	69.2	1436.1	11.9	1	-0.4	-0.5	0.3	-7002509	0.1	
21	69.5	1435.8	12	0.8	-1.1	-0.2	0.5	-6732315	0	
21	69.8	1435.4	12.2	0.1	-2	-0.4	0.6	-6542969	-0.2	
21	70.1	1435.2	12.4	0.1	-2.5	0.2	0.7	-6402905	-0.4	
21	70.4	1435	12.6	0.1	-2.9	0.2	0.8	-6268713	-0.8	
21	70.7	1434.9	13	0.5	-3.1	-0.8	0.8	-6140030	-1.2	
21	71	1435.2	13.2	0	-2.5	-0.4	0.9	-6016523	-1.5	
21	71.3	1435.4	12.9	0	-2	-0.4	0.9	-5931303	-1.7	
21	71.6	1435.8	13	0.5	-1.3	-0.7	0.8	-5864846	-2.3	
21	71.9	1436.4	12.9	0.9	-0.6	-1.3	0.8	-5832173	-2.6	
21	72.2	1436.7	13.3	1.6	0.1	-1.2	0.7	-5783840	-2.8	
21	72.5	1436.9	12.1	-0.6	0.6	-1.8	0.6	-5736302	-2.1	
21	72.8	1437.1	11.5	-1.2	1.1	-2.6	0.5	-5674120	-2	
21	73.1	1437.1	13.3	1	1.3	-0.8	0.4	-5583334	-2	
21	73.4	1436.9	12.3	-0.6	1.2	-1.6	0.3	-5452474	-1.3	
21	73.7	1436.6	12.1	-0.6	0.8	-0.3	0.2	-5287248	-0.1	
21	74	1436.6	11	-1.8	0.6	-0.6	0.2	-5094283	0.9	
21	74.3	1436.6	11.3	-0.9	0.4	0.5	0.1	-4880536	1.4	
21	74.6	1436.4	11.2	-0.7	0.1	0.3	-0.1	-4663141	2	
21	74.9	1436.2	11.3	-0.5	0.1	1.4	-0.4	-4473825	2.2	
21	75.2	1436	11.5	-0.7	-0.2	2.2	-0.5	-4325930	2.2	
21	75.5	1435.8	11.3	-0.8	-0.2	0.2	-0.7	-4221271	1.2	
21	75.8	1435.7	11.9	-0.1	-0.1	1.2	-0.9	-4137846	0.8	
21	76.1	1435.9	11.7	-0.1	0.3	0.3	-0.9	-4081384	0.3	
21	76.4	1435.8	12	0	0.3	1	-1	-4034201	0	
21	76.7	1435.9	11.5	-0.7	0.5	-0.2	-1	-3988096	-0.5	
21	77	1436	12.5	1.2	0.7	0.2	-1	-3943032	-1.3	
21	77.3	1436.1	12.1	1.2	0.9	-1.1	-0.9	-3884509	-1.8	
21	77.6	1436.2	11.6	0.9	1.1	-1.9	-0.8	-3799910	-2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	77.9	1436.3	11.4	-0.3	1.4	-2	-0.7	-3686180	-2.2	
21	78.2	1436.4	10.7	-0.5	1.7	-2.8	-0.7	-3572953	-2.2	
21	78.5	1436.4	11.2	0	1.7	-2.4	-0.7	-3455033	-2.2	
21	78.8	1436.3	11	-0.2	1.8	-2.7	-0.8	-3350000	-2.2	
21	79.1	1436.1	11.2	-0.6	1.7	-1.8	-1	-3256221	-2	
21	79.4	1436.1	10.8	-1.2	1.6	-2.9	-1	-3177163	-1.8	
21	79.7	1436	11.5	-0.1	1.3	-1.7	-1.1	-3097264	-1.7	
21	80	1435.8	11.3	-0.2	1.3	-1.9	-1.3	-3025651	-1.5	
21	80.3	1435.4	11.1	-0.4	1.1	-1.8	-1.6	-2953103	-1.3	
21	80.6	1435.2	10.6	-1.1	1	-1.5	-1.8	-2879987	-0.8	
21	80.9	1434.9	11.1	-0.7	0.9	-1.2	-2	-2814181	-0.6	
21	81.2	1434.8	11	-0.9	0.9	-1.1	-2	-2747704	-0.4	
21	81.5	1434.9	10.6	-0.6	0.9	-1.4	-1.9	-2687741	-0.3	
21	81.8	1435.1	11.3	-0.6	0.9	-0.5	-1.7	-2636965	-0.3	
21	82.1	1435.4	10.9	-1.1	1.2	-1.6	-1.6	-2588072	-0.4	
21	82.4	1435.4	11.9	-0.3	1.2	-0.3	-1.6	-2544047	-0.6	
21	82.7	1435.5	11.9	-0.5	1.3	-0.8	-1.6	-2507486	-0.7	
21	83	1435.5	11.9	-0.7	1.4	-0.9	-1.7	-2471960	-0.9	
21	83.3	1435.6	12.3	-0.7	1.8	-0.9	-1.9	-2440269	-1	
21	83.6	1435.5	12.5	-0.7	1.9	-1	-2.2	-2412155	-1.6	
21	83.9	1435.6	12.2	-0.7	2	-1	-2.4	-2384682	-1.9	
21	84.2	1435.6	12.3	-0.7	2.2	-1.7	-2.7	-2355175	-2	
21	84.5	1435.6	12.6	-0.3	2.3	-1.1	-2.9	-2331571	-2	
21	84.8	1435.7	12	-1.3	2.6	-1.9	-2.9	-2316096	-2	
21	85.1	1436.1	12.8	0.7	2.8	-1.1	-2.7	-2316096	-2.2	
21	85.4	1436.4	13.1	1.6	3.1	-0.6	-2.5	-2326390	-2.2	
21	85.7	1436.5	13.3	0	3.1	-0.1	-2.3	-2349888	-2	
21	86	1436.7	12.8	0.5	3.1	-0.2	-2	-2390126	-1.4	
21	86.3	1437.1	12	-0.1	3.3	-0.6	-1.7	-2440269	-1.2	
21	86.6	1437.2	12.6	1.6	3.3	0.4	-1.6	-2501494	-0.8	
21	86.9	1437	12.5	1.2	3.1	0.2	-1.6	-2569019	-0.5	
21	87.2	1436.7	11.9	0.7	2.6	0.8	-1.6	-2640291	0.1	
21	87.5	1436.5	11.5	0.2	2.4	0.2	-1.7	-2708603	0.5	
21	87.8	1436	11.1	-0.4	1.9	0.8	-1.8	-2769511	0.9	
21	88.1	1435.8	10.5	-0.8	1.7	0.4	-1.8	-2821766	1.5	
21	88.4	1435.6	10.7	-1.2	1.5	1.3	-1.8	-2864228	1.5	
21	88.7	1435.4	10.6	-1.1	1	1.3	-1.7	-2903953	1.6	
21	89	1435.4	10.4	-1.6	1	0.8	-1.6	-2944797	1.4	
21	89.3	1435.5	10.9	-0.6	0.9	1.3	-1.3	-2995351	1.1	
21	89.6	1435.6	10.5	-2	1	0.7	-1.2	-3047672	0.6	
21	89.9	1435.6	10.8	-1.3	0.9	1	-1	-3106455	0.2	
21	90.2	1435.5	9.4	-2.2	0.9	-0.6	-1	-3177163	0	
21	90.5	1435.3	9.9	-1.5	0.8	0.2	-1	-3266381	-0.1	
21	90.8	1435.2	9	-1.7	0.7	-1.8	-0.9	-3377017	-0.3	
21	91.1	1435	9.8	-1.4	0.5	-1	-0.9	-3501255	-0.6	
21	91.4	1434.9	9.5	-1.5	0.2	-1.9	-0.8	-3634983	-0.7	
21	91.7	1434.9	8.9	-2.3	0.1	-3.2	-0.7	-3752241	-0.8	
21	92	1434.9	9	-1.8	-0.1	-2.7	-0.7	-3841744	-0.8	
21	92.3	1434.9	8.5	-3	-0.1	-4	-0.7	-3906250	-0.8	
21	92.6	1435.2	8.9	-2.4	0	-2.4	-0.6	-3957940	-0.7	
21	92.9	1435.2	8.6	-2.5	0.2	-3.8	-0.7	-4003346	-1	
21	93.2	1435.2	10.3	-0.3	0.2	-1.4	-0.7	-4041989	-1.3	
21	93.5	1435.5	9.9	-1.2	0.6	-3.1	-0.7	-4097359	-1.6	
21	93.8	1435.6	11	0	0.8	-1.7	-0.8	-4187500	-2	
21	94.1	1435.5	11.7	1.1	0.8	-1.5	-0.9	-4317011	-2.3	
21	94.4	1435.7	11.4	0.1	1	-1.4	-0.8	-4502689	-2.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	94.7	1435.7	12.7	1.8	0.9	-0.2	-0.7	-4758523	-2.6	
21	95	1436	11.8	-0.1	0.9	-1.3	-0.4	-5057367	-2.7	
21	95.3	1436	13	1.1	0.6	0.6	-0.1	-5396263	-2.5	
21	95.6	1436.1	11.9	0	0.5	-1.8	0.2	-5752061	-2.2	
21	95.9	1436.2	12.9	0.6	0.1	0.2	0.6	-6122076	-1.7	
21	96.2	1436.4	11.8	-0.7	0.1	-1.5	0.9	-6462192	-1.3	
21	96.5	1436.3	12.9	0.7	-0.1	0.1	1.1	-6732315	-1	
21	96.8	1436	11.8	-0.5	-0.4	-1.1	1.2	-6979167	-0.5	
21	97.1	1436	12.1	-0.5	-0.5	0.2	1.2	-7195017	-0.3	
21	97.4	1435.8	11.9	-0.1	-0.7	-0.4	1.1	-7424646	0.1	
21	97.7	1435.8	11.2	-1.6	-0.5	-1.1	0.9	-7697610	0.1	
21	98	1435.5	12.6	-0.5	-0.7	0.3	0.7	-7991412	0	
21	98.3	1435.4	12.1	-1.2	-0.8	-0.4	0.4	-8308532	-0.1	
21	98.6	1435.1	13	0.2	-1.1	0.8	0.3	-8616255	-0.3	
21	98.9	1435	11.9	-0.1	-1.1	-1.2	0.2	-8871822	-0.4	
21	99.2	1434.7	13.4	0.8	-1.1	1.4	0.2	-9103261	-0.4	
21	99.5	1434.9	10.4	-2.1	-0.7	-2.6	0.2	-9223568	-0.6	
21	99.8	1434.8	13	1.1	-0.7	1.2	0.2	-9347098	-0.7	
21	100.1	1434.9	11.8	0.3	-0.6	-1	0.2	-9389014	-0.7	
21	100.4	1434.9	12.7	1.6	-0.5	0	0.2	-9517046	-0.7	
21	100.7	1435.3	12	1.5	-0.1	-0.7	0.3	-9783879	-0.7	
21	101	1435.4	12	1.3	0.1	-0.9	0.2	-1E+07	-0.8	
21	101.3	1435.5	12.5	1.9	0.2	-0.2	0.2	-1.1E+07	-0.8	
21	101.6	1435.2	11.4	1	0.3	-1.9	-0.1	-1.2E+07	-0.9	
21	101.9	1434.8	12.7	1.8	0.1	1.2	-0.4	-1.4E+07	-0.9	
21	102.2	1434.9	10.2	-0.3	0.5	-3.3	-0.7	-1.7E+07	-1	
21	102.5	1434.7	13	2.2	0.5	1.2	-0.9		-1.1	
21	102.8	1434.9	11.4	2	0.9	-2.2	-1		-1.1	
21	103.1	1434.8	11.9	2	0.8	-0.2	-1.2		-1.1	
21	103.4	1435	11.3	2.3	1.2	-1.8	-1.2		-1	
21	103.7	1435.2	11.9	2.1	1.1	-0.6	-1.1		-0.9	
21	104	1435.3	11.5	2	1.3	-0.6	-0.9		-0.7	
21	104.3	1435.4	10.7	1.8	1.3	-2.4	-0.7		-0.7	
21	104.6	1435.4	12	3	1	1.2	-0.4		-0.6	
21	104.9	1435.3	9.7	1.2	0.9	-3.5	-0.3		-0.5	
21	105.2	1435.1	12.4	3.5	0.3	1.1	-0.1		-0.4	
21	105.5	1435	10	1.4	0.3	-2.2	-0.1		-0.2	
21	105.8	1434.7	12.2	1.9	-0.3	1	-0.1		-0.2	
21	106.1	1434.8	10.6	0.7	-0.1	-1	-0.2	-2E+07	-0.1	
21	106.4	1434.7	11.4	0.4	-0.1	0.3	-0.4	-1.7E+07	-0.1	
21	106.7	1434.7	12.1	0.4	0	1.1	-0.5	-1.6E+07	-0.1	
21	107	1434.7	10.1	-1.3	0.2	-1.5	-0.7	-1.4E+07	-0.3	
21	107.3	1434.7	12.4	-0.3	0.2	2	-0.7	-1.4E+07	-0.4	
21	107.6	1435	10.4	-1.4	0.7	-2.1	-0.7	-1.3E+07	-0.7	
21	107.9	1434.9	12.2	-0.8	0.6	1.2	-0.8	-1.2E+07	-0.9	
21	108.2	1435.1	10.7	-1.2	0.9	-2.1	-0.8	-1.2E+07	-0.9	
21	108.5	1435	11.2	-1.7	0.6	0.1	-0.9	-1.1E+07	-0.9	
21	108.8	1435.1	10.5	-1.3	0.7	-1.8	-1	-1E+07	-0.5	
21	109.1	1435	11.1	-1.8	0.6	-0.4	-1	-9305556	0	
21	109.4	1435	10.7	-1.1	0.8	0.2	-1	-8616255	0.6	
21	109.7	1435.1	10.2	-1.9	0.9	-0.4	-0.9	-8022031	1	
21	110	1435	11.2	-0.7	0.7	2.6	-0.9	-7586051	1.5	
21	110.3	1435.2	10.1	-1.1	0.9	0.5	-0.7	-7269965	1.9	
21	110.6	1435.3	11.6	-1	0.4	3.6	-0.4	-7026007	2.4	
21	110.9	1435.8	9.9	-2.2	0.6	0.5	0	-6797890	2.1	
21	111.2	1436.1	12.1	-0.9	0.4	3.8	0.6	-6646826	1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	111.5	1436.1	11	-0.9	-0.1	-0.1	1.1	-6502329	0.6	
21	111.8	1435.8	12.1	-1.3	-0.7	1	1.5	-6383384	-0.3	
21	112.1	1435.5	10.9	0.5	-1.2	-1.3	1.8	-6287538	-0.9	
21	112.4	1435.3	9.8	-3.2	-1.3	-3.8	1.8	-6212908	-1.6	
21	112.7	1435.2	10.8	-1	-1.4	-2.4	1.7	-6122076	-2	
21	113	1435.5	10.1	-2.6	-0.8	-4.2	1.4	-6068841	-2.7	
21	113.3	1435.3	11.8	-0.2	-1	-2.1	1	-6104228	-2.8	
21	113.6	1435.2	9.4	-2.6	-0.7	-5.9	0.4	-6212908	-2.7	
21	113.9	1435.1	12.3	-0.2	-0.4	-1.5	-0.2	-6363982	-2.5	
21	114.2	1435	11	-0.4	0.1	-3.8	-0.9	-6584120	-2.2	
21	114.5	1434.8	12.4	-0.3	0.5	-1.4	-1.4	-6842320	-2.1	
21	114.8	1434.6	12.8	2.6	0.7	-0.1	-1.8	-7145905	-1.9	
21	115.1	1434.5	12.3	-0.7	0.7	-0.5	-1.8	-7504480	-1.3	
21	115.4	1434.6	11.7	0.3	0.6	-0.8	-1.7	-7841760	-1.1	
21	115.7	1434.7	12.4	0.5	0.8	-1.3	-1.6	-8115310	-1.4	
21	116	1434.8	13.2	1.9	0.8	0.8	-1.3	-8308532	-1.2	
21	116.3	1435.3	11.7	-0.2	1	-2.2	-0.8	-8442541	-1.1	
21	116.6	1435.7	13.1	1.6	0.9	0.9	-0.2	-8545919	-1.1	
21	116.9	1435.9	12.6	1.9	0.8	-1.7	0.2	-8616255	-1.1	
21	117.2	1436.1	12.2	0.2	1	-1.7	0.4	-8651860	-1.2	
21	117.5	1436	12.2	2.5	1.2	-1.7	0.2	-8616255	-1.3	
21	117.8	1435.9	12.7	0.3	1.1	-0.3	0	-8476721	-1.4	
21	118.1	1435.7	12.9	2.9	1.2	-0.5	-0.4	-8375000	-1.6	
21	118.4	1435.4	13	0.8	1.3	-1.6	-0.8	-8243110	-1.9	
21	118.7	1435.1	13.3	2.7	1.1	-0.7	-1.1	-8115310	-2	
21	119	1435	11.1	-0.3	1.3	-3.6	-1.5	-8022031	-2.4	
21	119.3	1434.9	14.1	2	1.5	-0.1	-1.6	-7930871	-2.6	
21	119.6	1434.8	12.6	2.5	1.5	-2.2	-1.6	-7841760	-2.7	
21	119.9	1434.7	12.8	0.4	1.2	-1.5	-1.3	-7726015	-2.5	
21	120.2	1434.9	11.6	1.2	1.3	-3.4	-1	-7697610	-2.1	
21	120.5	1435	11.2	-1	1.3	-3.1	-0.8	-7697610	-1.7	
21	120.8	1434.9	12.2	1.5	1.1	-2.1	-0.7	-7697610	-1.2	
21	121.1	1434.9	12.3	1.1	0.9	-1.2	-0.5	-7613637	-0.5	
21	121.4	1434.7	11.5	1	0.7	0.1	-0.5	-7424646	0.5	
21	121.7	1434.2	10.7	-0.4	0.3	-1.3	-0.7	-7170377	1.3	
21	122	1433.8	12	1.3	0.1	1.1	-0.9	-6887336	2	
21	122.3	1433.6	11.4	1.2	0.2	0.6	-1.1	-6604890	2.1	
21	122.6	1433.3	13.1	1.9	0.1	3	-1.4	-6325529	1.9	
21	122.9	1433.4	12.4	2.3	0	2.1	-1.3	-6068841	1.6	
21	123.2	1433.7	13.1	1.5	0.2	2.6	-1	-5864846	1.3	
21	123.5	1433.9	12.8	2.9	0.1	1.3	-0.6	-5767907	0.7	
21	123.8	1434	12.8	0.7	0.2	1	-0.3	-5767907	0.2	
21	124.1	1434.3	12.6	1.6	0.3	0.9	0.2	-5832173	-0.4	
21	124.4	1434.3	13.1	1	0.3	-0.2	0.5	-6016523	-1.3	
21	124.7	1434.4	13.1	2.2	0.2	0.5	0.9	-6306476	-1.9	
21	125	1434.4	12.4	2.6	0.2	-1.8	1.1	-6710737	-2.3	
21	125.3	1434.3	12.7	1.9	0.1	-0.9	1.1	-7170377	-2.7	
21	125.6	1434	11.4	1.3	-0.1	-3.3	0.8	-7669414	-2.9	
21	125.9	1433.8	12	0.2	-0.1	-2	0.5	-8210785	-3	
21	126.2	1433.5	12.6	3.2	-0.3	-1.4	0.2	-8616255	-3.2	
21	126.5	1433.4	12	-0.3	-0.4	-2.4	-0.1	-8834388	-3.5	
21	126.8	1433.2	12	1	-0.5	-3	-0.3	-8651860	-3.5	
21	127.1	1432.9	10.1	-2.3	-0.4	-5.1	-0.6	-8115310	-3.4	
21	127.4	1432.8	10.7	-2.1	-0.4	-3.1	-0.8	-7451068	-2.7	
21	127.7	1432.9	9.4	-2.9	-0.3	-4.9	-1.1	-6842320	-1.9	
21	128	1433	10.6	-1.1	-0.2	-1.4	-1.1	-6325529	-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	128.3	1433	9.2	-3.2	-0.3	-2.3	-1.2	-5931303	1.2	
21	128.6	1433.2	8.8	-4.4	0	-2.4	-1.3	-5689538	2.2	
21	128.9	1433.5	9.3	-2.4	0.2	-0.7	-1.3	-5553714	3.7	
21	129.2	1433.6	9.9	-3.2	0.4	0.8	-1.3	-5583334	5	
21	129.5	1433.5	10.5	-2.1	0.4	3.6	-1.3	-5767907	6.2	
21	129.8	1433.7	9.7	-2.5	0.7	2.7	-1.3	-6086483	6.4	
21	130.1	1434.2	12.2	0	0.9	5.8	-1	-6502329	6.2	
21	130.4	1434.7	12.1	-0.6	1	3.8	-0.7	-6979167	5.5	
21	130.7	1435.2	13.5	0.6	1.3	4.9	-0.4	-7531475	4.7	
21	131	1435.5	14.2	1.2	1.4	4.9	-0.3	-8115310	3.5	
21	131.3	1435.8	15.4	2.1	1.1	5	-0.1	-8616255	2.1	
21	131.6	1435.9	16.1	5	1.2	3.1	0.1	-9024785	0.4	
21	131.9	1435.9	16.2	2.1	1.1	1.9	0.3	-9347098	-1.2	
21	132.2	1435.8	16.1	3.5	0.7	1.4	0.5	-9560502	-2.4	
21	132.5	1435.7	15.9	3.1	0.5	-1.8	0.4	-9648618	-3.9	
21	132.8	1435.7	17.1	5.5	0.4	-1.6	0.3	-9738372	-5.3	
21	133.1	1435.5	17.5	6.3	0.3	-3	0.2	-9648618	-6.5	
21	133.4	1435.7	16.7	4.5	0.1	-3.7	0.4	-9389014	-6.8	
21	133.7	1436	15.7	3.4	0.4	-6.4	0.4	-9063853	-7.5	
21	134	1435.5	17	5.5	0.2	-5.3	0.2	-8760460	-7.9	
21	134.3	1435.5	15.7	5	0.1	-3.8	0.2	-8341634	-7.5	
21	134.6	1435.5	14.9	2.9	0.4	-5.1	0.2	-7961027	-7.2	
21	134.9	1435.4	15.5	4.1	0.5	-4.9	0.2	-7558664	-6.5	
21	135.2	1435.2	14.7	1.6	0.5	-5.9	0.2	-7195017	-5.7	
21	135.5	1434.9	14.5	2.1	0.4	-3.6	0.2	-6910066	-4.5	
21	135.8	1434.9	13.1	0	0.3	-4.5	0.2	-6732315	-3.6	
21	136.1	1434.6	13.8	1	0.1	-1.5	-0.1	-6646826	-2.4	
21	136.4	1434.3	12.7	-0.1	0.2	-1.3	-0.2	-6604890	-0.7	
21	136.7	1434.5	7.8	-4.8	0.5	-4.9	-0.7	-6604890	-0.3	
21	137	1434	9.6	-3.5	0.5	-2.5	-1.4	-6646826	0.4	
21	137.3	1433.7	12	-1.1	0.5	0.8	-1.9	-6732315	1.2	
21	137.6	1433.3	12.7	0.3	0.5	2.5	-2.3	-6842320	2.3	
21	137.9	1433.1	9.7	-3	0.5	1	-2.5	-7026007	3	
21	138.2	1433	11.2	-0.2	0.4	3.1	-2.6	-7195017	3.4	
21	138.5	1433.2	10	-2	0.2	2.2	-2.3	-7398410	3.6	
21	138.8	1433.2	9.6	-3	0.1	1.7	-2	-7586051	3.6	
21	139.1	1433.8	9.2	-2.8	-0.1	3.4	-1.3	-7754630	2.6	
21	139.4	1434.3	10.1	-1.9	-0.2	2.1	-0.4	-7900944	1.9	
21	139.7	1434.8	9.4	-0.7	-0.2	-0.8	0.3	-8052885	0.9	
21	140	1435	10.3	-0.4	-0.3	-0.8	0.9	-8243110	0.5	
21	140.3	1435.3	9	-0.4	-0.1	-2	1.2	-8341634	-0.4	
21	140.6	1435.5	10	-0.6	0.1	-1.2	1.4	-8341634	-0.8	
21	140.9	1435.9	9	-0.2	0.7	-2.8	1.3	-8243110	-1	
21	141.2	1435.8	10.3	1.5	1	-1.3	1	-8146887	-1.1	
21	141.5	1435.9	9	-0.3	1.2	-2.4	0.6	-8052885	-1.1	
21	141.8	1435.9	10.2	0.3	1.5	-1.4	0.1	-7900944	-0.9	
21	142.1	1435.7	10.1	-0.4	1.4	-1.2	-0.4	-7783457	-0.6	
21	142.4	1435.6	10.4	0.7	1.6	-1.3	-0.9	-7613637	-0.6	
21	142.7	1435.3	11.5	-0.7	1.4	0.8	-1.2	-7558664	-0.4	
21	143	1435.1	9.7	-2.4	1.3	-1.9	-1.5	-7531475	-0.7	
21	143.3	1434.7	11.7	-1.8	0.7	0.6	-1.6	-7586051	-0.9	
21	143.6	1434.5	11.4	-2.8	0.4	-0.5	-1.4	-7558664	-1.1	
21	143.9	1434.3	11.5	-3.9	-0.1	0.4	-1.1	-7504480	-1.2	
21	144.2	1434.2	11.2	-4.9	-0.3	-1	-1	-7424646	-1.3	
21	144.5	1434.5	12.1	-4.1	-0.3	-0.1	-0.7	-7269965	-1.6	
21	144.8	1434.7	12	-4.1	-0.3	-1	-0.5	-7049664	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	145.1	1434.9	11.7	-4.2	-0.2	-1.5	-0.3	-6754032	-1.6	
21	145.4	1435.1	11.7	-5.4	-0.2	-0.6	-0.1	-6422546	-1.4	
21	145.7	1435.3	11.5	-6	0.1	-1.1	0	-6051301	-1.2	
21	146	1435.3	11.4	-5.3	0.1	-1.2	0.1	-5689538	-0.9	
21	146.3	1435.2	10.9	-4.8	0.4	-1.2	0	-5382391	-0.8	
21	146.6	1435.2	11.7	-5.3	0.6	0	-0.1	-5131741	-0.7	
21	146.9	1435.4	11	-4.7	0.7	-1.6	-0.1	-4997017	-0.7	
21	147.2	1435.4	12.2	-2.7	0.8	0.2	-0.2	-4985119	-0.8	
21	147.5	1435.6	11.7	-3.8	1	-0.2	-0.3	-5081918	-0.9	
21	147.8	1435.6	12.2	-2.5	0.8	1.3	-0.3	-5247494	-0.8	
21	148.1	1435.7	11.1	-3.4	1	-1.4	-0.4	-5509869	-0.8	
21	148.4	1435.7	12.1	-1	1.1	0	-0.4	-5864846	-0.8	
21	148.7	1435.3	11.2	-2.6	1.1	-0.5	-0.6	-6287538	-0.6	
21	149	1435.2	10.8	-1.9	1.1	-1.5	-0.7	-6754032	-0.5	
21	149.3	1435.1	11.8	4	1.2	0.6	-0.8	-7195017	-0.4	
21	149.6	1434.8	10.4	0.8	1.1	-2.1	-0.8	-7504480	0	
21	149.9	1434.9	10.4	-1.6	1.1	-0.3	-0.7	-7669414	0.7	
21	150.2	1435.1	8.6	-4.1	1.2	-3.4	-0.7	-7669414	0.7	
21	150.5	1434.9	12	2.3	1	1.3	-0.7	-7586051	0.7	
21	150.8	1434.7	11.2	0	0.7	-1.2	-0.7	-7424646	0.8	
21	151.1	1434.5	11.3	1.3	0.7	0.2	-0.6	-7269965	0.7	
21	151.4	1434.3	12	2.4	0.4	0	-0.4	-7170377	0.7	
21	151.7	1434	10.6	1.4	0.1	-1.5	-0.4	-7097458	0.4	
21	152	1433.7	12.8	2.7	-0.5	1.3	-0.1	-7121599	0.2	
21	152.3	1433.4	11.2	1.8	-0.9	-1	-0.1	-7195017	-0.2	
21	152.6	1433.5	13.2	2.9	-1.2	2.6	0.2	-7346491	-0.5	
21	152.9	1433.5	11.7	2.7	-1	-2.4	0.2	-7558664	-1.1	
21	153.2	1433.6	14.2	4.2	-0.9	1	0.4	-7841760	-1.5	
21	153.5	1433.6	12.5	3.5	-0.6	-1.6	0.3	-8178711	-2.2	
21	153.8	1433.5	14.7	4.4	-0.4	0.9	0.2	-8408635	-2.7	
21	154.1	1433.5	13.2	4.2	0.1	-1.2	-0.1	-8545919	-2.9	
21	154.4	1433.7	13.1	2.9	0.6	-1.6	-0.4	-8511179	-3	
21	154.7	1433.8	13.6	3.5	1.1	-0.3	-0.7	-8308532	-2.7	
21	155	1433.9	11.7	1.3	1.4	-3.2	-1.1	-8022031	-2.5	
21	155.3	1433.8	14	2.5	1.9	0.6	-1.4	-7697610	-2.2	
21	155.6	1433.6	12.3	2.6	2.1	-2.9	-1.8	-7346491	-1.8	
21	155.9	1433.2	12.4	0.7	1.9	0.3	-2	-7026007	-0.6	
21	156.2	1433.1	10.2	-1.2	2.2	-3.5	-2.2	-6754032	0.1	
21	156.5	1433.1	12.3	0.8	2.1	0.8	-2.1	-6563480	0.4	
21	156.8	1433.4	10.7	-0.5	1.9	-1.5	-1.8	-6502329	0.7	
21	157.1	1433.5	11.3	-0.8	1.3	-0.2	-1.5	-6522586	0.5	
21	157.4	1433.6	11.6	-0.4	0.8	-0.3	-1.1	-6625791	0.2	
21	157.7	1433.2	10.7	-1	0.1	-1.8	-1	-6797890	-0.4	
21	158	1432.9	12.7	1	-0.8	0	-0.6	-7002509	-0.7	
21	158.3	1432.9	10.5	-1	-1	-3	-0.3	-7244810	-1.4	
21	158.6	1432.6	13	1.6	-1.7	0.5	0.1	-7504480	-1.7	
21	158.9	1432.7	10.6	-0.3	-1.7	-3.2	0.3	-7812500	-1.8	
21	159.2	1432.9	12.6	0.9	-1.9	0.2	0.6	-8083977	-1.8	
21	159.5	1433.5	10.5	-0.5	-1.5	-3.2	0.8	-8341634	-1.5	
21	159.8	1433.8	12.5	0.3	-1.2	0.2	0.9	-8511179	-0.7	
21	160.1	1434.4	10.1	-1.6	-0.3	-1.9	0.9	-8580943	-0.3	
21	160.4	1435	11.7	-0.5	0.3	-0.9	0.9	-8545919	-0.1	
21	160.7	1435.2	11.8	0.7	0.5	0.4	0.8	-8442541	0.3	
21	161	1435.3	11.5	-0.6	0.8	-1.8	0.7	-8341634	0.5	
21	161.3	1435.1	11.8	0.6	0.6	1.1	0.6	-8210785	1.1	
21	161.6	1435	10.5	-0.3	0.6	-2.4	0.3	-8022031	0.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	161.9	1434.9	13	1.2	0.3	2.4	0.2	-7871241	0.7	
21	162.2	1434.7	11.6	1.2	0.2	-1.7	-0.1	-7697610	0.4	
21	162.5	1434.4	12.7	2.3	-0.1	1	-0.3	-7613637	0	
21	162.8	1434.6	12.4	3.8	0.1	-0.9	-0.4	-7477679	-0.4	
21	163.1	1434.9	13	1	0.5	-0.3	-0.5	-7346491	-1	
21	163.4	1435.1	14.7	3.5	0.8	0.8	-0.5	-7170377	-1.2	
21	163.7	1435.2	13	1.7	1.4	-0.8	-0.7	-6955980	-1.6	
21	164	1435.3	14.9	2.9	1.7	1	-0.7	-6732315	-1.9	
21	164.3	1435.4	12.2	1.6	2.1	-3	-1.1	-6542969	-2.2	
21	164.6	1435.3	15	2.2	2.1	1.1	-1.3	-6402905	-2.4	
21	164.9	1435.1	13.4	2.2	2.1	-1.8	-1.4	-6268713	-2.4	
21	165.2	1434.9	14.2	1	1.6	0.4	-1.4	-6212908	-2.5	
21	165.5	1434.6	12.8	1.1	1.2	-2.5	-1.4	-6212908	-2.5	
21	165.8	1434.2	13.8	-0.4	0.4	-1.1	-1.3	-6287538	-2.5	
21	166.1	1433.8	12.7	0.2	-0.2	-2.4	-1.1	-6462192	-2.4	
21	166.4	1433.6	13.5	-1.2	-0.6	-2.2	-0.9	-6732315	-2.5	
21	166.7	1433.9	13.1	-0.1	-0.7	-0.7	-0.4	-7049664	-2.1	
21	167	1434.4	11.5	-1.6	-0.5	-3.6	0	-7320804	-2.2	
21	167.3	1434.4	12.9	-0.7	-0.8	-0.7	0.3	-7586051	-1.6	
21	167.6	1434.7	10.3	-1.4	-0.6	-4.1	0.5	-7783457	-1.3	
21	167.9	1434.7	12.7	-1.3	-0.7	0.4	0.6	-7961027	-0.7	
21	168.2	1435	10.1	-2.2	0	-3.3	0.6	-8052885	-0.5	
21	168.5	1435	12.5	0.1	0.1	0.7	0.6	-8022031	-0.5	
21	168.8	1434.9	11.6	1.4	0.5	-1.4	0.5	-7871241	-0.3	
21	169.1	1434.6	11.2	-1.1	0.3	-0.2	0.2	-7697610	-0.1	
21	169.4	1434.6	10.8	0.1	0.2	-0.2	0	-7504480	0.2	
21	169.7	1434.6	10.6	-0.7	0.4	-1.3	-0.3	-7269965	0	
21	170	1434.6	12	0.4	0.3	1.7	-0.5	-7073480	0	
21	170.3	1434.9	10.4	-0.3	0.7	-1.7	-0.8	-6932947	-0.2	
21	170.6	1434.7	12.1	-0.6	0.4	1.7	-1	-6864754	-0.1	
21	170.9	1434.8	10	-0.5	0.5	-2.7	-1	-6864754	-0.2	
21	171.2	1434.3	11.9	-1.1	0	0.8	-1	-6932947	-0.3	
21	171.5	1434.3	9.5	-1.1	0.2	-3.1	-1	-7049664	-0.5	
21	171.8	1434.4	11	-1.6	0.2	-0.6	-0.9	-7195017	-0.8	
21	172.1	1434.6	11	0.5	0.2	-1.6	-0.7	-7346491	-1	
21	172.4	1434.9	10.3	-2.2	0.2	-2.4	-0.4	-7504480	-1.3	
21	172.7	1435.3	11.2	1.1	0.3	-1.1	-0.3	-7641424	-1.5	
21	173	1435.6	10.5	-1.2	0.8	-2.9	-0.3	-7754630	-2	
21	173.3	1435.6	12.5	0.7	0.8	0.5	-0.3	-7841760	-2.1	
21	173.6	1435.6	9.9	-1.6	1.3	-4.7	-0.6	-7841760	-2.7	
21	173.9	1435.6	13	1.2	1.5	0.1	-0.8	-7871241	-3	
21	174.2	1435.6	10.8	0.3	1.7	-4.2	-1	-7930871	-3.1	
21	174.5	1435.7	12.5	-0.5	1.8	-1.7	-1.1	-8146887	-3.2	
21	174.8	1435.5	10.8	-0.8	1.8	-3.8	-1.4	-8476721	-3.1	
21	175.1	1435.6	11.3	-1.4	1.6	-3.2	-1.4	-8947650	-3.1	
21	175.4	1435.5	10.8	-1.6	1.4	-3.4	-1.4	-9560502	-2.6	
21	175.7	1435.4	9.7	-3.3	1.2	-5.3	-1.4	-1E+07	-2.5	
21	176	1435.4	11.9	-2.8	1	-1.3	-1.1	-1.1E+07	-1.9	
21	176.3	1435.6	10.2	-2.8	1.1	-4.5	-0.9	-1.2E+07	-1.5	
21	176.6	1435.5	12.8	-2.1	0.8	0.1	-0.7	-1.3E+07	-0.8	
21	176.9	1435.4	11	-1.2	0.7	-2.8	-0.7	-1.3E+07	-0.5	
21	177.2	1435.4	12.7	-2.3	0.6	1.4	-0.5	-1.3E+07	0	
21	177.5	1435.4	11.5	-1.9	0.5	-0.9	-0.4	-1.3E+07	0.3	
21	177.8	1435.4	12.7	-1.5	0.5	1.6	-0.4	-1.2E+07	0.8	
21	178.1	1435.5	12.5	-0.3	0.5	2.1	-0.3	-1.2E+07	1.2	
21	178.4	1435.4	12.7	-1.1	0.4	1.4	-0.4	-1.1E+07	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	178.7	1435.3	13.5	0.8	0.1	2.6	-0.4	-1E+07	1.5	
21	179	1435.3	13	-0.5	-0.1	1	-0.3	-9389014	1.2	
21	179.3	1435.1	14.2	1.1	-0.3	3.9	-0.1	-8947650	1.6	
21	179.6	1435.1	11.8	0.3	-0.2	-0.9	-0.1	-8687760	1.1	
21	179.9	1434.9	14.2	1.3	-0.6	2.7	0.1	-8651860	0.8	
21	180.2	1435	13.1	2.8	-0.5	0.1	0.3	-8797269	0.7	
21	180.5	1435.1	13.6	0.9	-0.9	1.6	0.6	-9183114	0.7	
21	180.8	1435.5	13	2.9	-0.5	-0.5	0.8	-9783879	0.2	
21	181.1	1435.7	14.5	2	-0.3	0.4	1	-1.1E+07	-0.3	
21	181.4	1435.8	13.7	2.1	-0.2	-0.4	1.1	-1.1E+07	-0.2	
21	181.7	1435.7	12.8	1.6	0.1	-2.1	0.9	-1.2E+07	-0.8	
21	182	1435.5	14.9	4.1	0.1	1.1	0.8	-1.2E+07	-0.9	
21	182.3	1435.3	13.1	2.5	0.4	-2.3	0.5	-1.2E+07	-1.3	
21	182.6	1435	14.8	2.8	0.2	0.5	0.2	-1.1E+07	-1.4	
21	182.9	1435.2	13	2.6	0.5	-2.4	0	-1.1E+07	-1.7	
21	183.2	1435	14.8	2.7	0.3	0.4	-0.2	-9604358	-2.1	
21	183.5	1434.7	14.2	4.2	0.3	-1.8	-0.5	-8723959	-2.2	
21	183.8	1434.5	14.7	2.8	0	0.4	-0.6	-7991412	-2.3	
21	184.1	1434.2	14.1	4.6	-0.2	-0.2	-0.5	-7424646	-2.1	
21	184.4	1434.1	14	3	-0.2	-0.7	-0.4	-7026007	-2.5	
21	184.7	1433.9	14.1	3.1	-0.2	0.5	-0.3	-6754032	-2.1	
21	185	1434.2	12.8	2.5	0.2	-2.1	-0.1	-6625791	-2.5	
21	185.3	1434.2	13.8	2.6	0.1	0.6	0.1	-6522586	-2	
21	185.6	1434.3	11.6	1.1	0.4	-3	0.1	-6482198	-2.1	
21	185.9	1434.1	13	0.5	0.1	-0.2	0.2	-6462192	-1.2	
21	186.2	1434.4	10.3	0.4	0.3	-4	0.3	-6462192	-1.3	
21	186.5	1434	11.7	-1.3	-0.2	-0.6	0.3	-6502329	-0.7	
21	186.8	1433.8	9.5	-1.3	-0.4	-3.6	0.2	-6584120	-0.2	
21	187.1	1433.6	9.9	-2.6	-0.8	-2.3	0.1	-6689297	-0.4	
21	187.4	1433.2	10.1	-0.7	-1.6	-2.2	-0.1	-6775890	-0.1	
21	187.7	1432.9	9.4	-1.9	-1.7	-2.9	-0.4	-6842320	-0.2	
21	188	1432.7	10.2	-0.6	-2.1	-0.2	-0.5	-6955980	0.3	
21	188.3	1432.9	9.8	0.1	-1.6	-2.4	-0.7	-7073480	0	
21	188.6	1433	11.3	-0.6	-1.4	1.5	-0.9	-7219828	0	
21	188.9	1433.6	9.2	-1	-0.3	-2.2	-1	-7346491	-0.2	
21	189.2	1433.9	11.8	-1	0.1	2.4	-0.9	-7346491	-0.2	
21	189.5	1434.7	9.6	-1.4	1	-0.8	-0.7	-7244810	-0.2	
21	189.8	1435.5	11.7	-1	2	1.8	-0.4	-7073480	-0.4	
21	190.1	1435.8	10.4	-1.1	2.3	0.1	-0.1	-6842320	-0.1	
21	190.4	1436.2	9.9	-2.8	2.6	0.2	0.2	-6522586	-0.3	
21	190.7	1436.2	11.4	-1.1	2.4	0.8	0.4	-6122076	0	
21	191	1436.3	9.4	-3.3	2.5	-1.9	0.5	-5689538	-0.4	
21	191.3	1435.9	10.7	-2.8	1.9	0.7	0.3	-5273930	-0.7	
21	191.6	1435.6	8.9	-4.1	1.7	-3.4	0	-4891940	-1.1	
21	191.9	1435.1	10.5	-3.7	0.9	-0.4	-0.4	-4571507	-1.5	
21	192.2	1434.7	9	-2.8	0.5	-4.6	-1	-4299282	-1.8	
21	192.5	1434.3	11.1	-3.1	0.3	-1.1	-1.4	-4097359	-2.1	
21	192.8	1434.1	8.7	-4.4	0.4	-4.4	-1.8	-3957940	-2.3	
21	193.1	1433.9	11.4	-2.2	0.6	-1.9	-2.2	-3841744	-2.6	
21	193.4	1433.6	10.6	-2.4	0.8	-2.6	-2.5	-3758977	-2.6	
21	193.7	1433.7	9.4	-5.1	1.5	-4	-2.8	-3705753	-2.7	
21	194	1434	10.7	-3	1.9	-1.5	-2.8	-3673246	-2.5	
21	194.3	1434.6	9.2	-3.6	2.4	-4.4	-2.6	-3634983	-2.4	
21	194.6	1434.8	12	-2.9	2.5	0	-2.3	-3603701	-2.1	
21	194.9	1435.1	9.8	-3.3	2.7	-4	-2	-3579060	-1.8	
21	195.2	1434.9	11.8	-3	2.4	0.5	-1.9	-3560800	-1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	195.5	1434.9	10	-3	2.1	-3.2	-1.6	-3548729	-1	
21	195.8	1434.4	11.9	-2.9	1.6	0.3	-1.5	-3548729	-0.7	
21	196.1	1434.1	10.7	-3.5	0.9	-0.3	-1.1	-3560800	-0.1	
21	196.4	1434.3	10.6	-4.1	0.6	-0.8	-0.7	-3579060	-0.1	
21	196.7	1434.4	11.8	-2.3	-0.1	2.4	-0.3	-3597509	0.2	
21	197	1434.6	10.7	-3.3	-0.1	-1.5	-0.2	-3603701	-0.1	
21	197.3	1434.6	12.9	-1.2	-0.2	1.4	-0.1	-3591338	-0.3	
21	197.6	1434.7	11.1	-1.7	0.1	-1.5	-0.1	-3554754	-0.7	
21	197.9	1434.8	13.1	-0.7	0.2	2.5	0.1	-3489584	-0.9	
21	198.2	1434.9	11.2	-0.4	0.7	-2.6	0.2	-3387945	-1.2	
21	198.5	1434.9	12.4	-0.6	1.1	-0.1	0.2	-3271485	-1.6	
21	198.8	1434.9	12	1.7	1.4	-1.2	0.1	-3143769	-1.7	
21	199.1	1434.9	10.1	-1.6	1.8	-2.8	-0.3	-3012590	-1.9	
21	199.4	1435	12.2	2.7	1.8	-0.2	-0.5	-2879987	-1.9	
21	199.7	1434.8	12.5	2.6	1.7	-2.3	-0.8	-2754935	-2	
21	200	1434.4	12.1	2	0.9	-1.5	-0.9	-2640291	-1.5	
21	200.3	1434.1	9.5	0.1	0.6	-4.5	-1.2	-2534807	-1.3	
21	200.6	1433.7	13.2	3	0	0.9	-1.5	-2443116	-1.2	
21	200.9	1433	11.1	1.3	-0.6	-2.7	-1.8	-2365820	-1	
21	201.2	1432.5	12.5	1.2	-1.2	0.2	-1.9	-2300825	-0.3	
21	201.5	1432.5	10.2	1	-1.2	-1.2	-2	-2253768	-0.2	
21	201.8	1432.8	10.4	-1.4	-0.9	-1.5	-2.1	-2225027	-0.4	
21	202.1	1433.2	12.7	3.1	-0.3	-0.3	-2.1	-2210930	-0.5	
21	202.4	1434	13.1	1.4	0.6	0.5	-1.9	-2210930	-0.4	
21	202.7	1434.6	12.3	1.9	0.9	1.6	-1.6	-2220308	0.2	
21	203	1435.4	11	1.1	2	-1.9	-1.6	-2239306	0	
21	203.3	1435.9	13.3	1.9	2.5	2.3	-1.4	-2268419	-0.1	
21	203.6	1436.3	12.1	2.7	2.9	-0.6	-1.3	-2298299	-0.1	
21	203.9	1436.5	12.3	1.6	2.9	1.2	-1.1	-2328977	-0.1	
21	204.2	1436.5	10.9	2	2.7	-0.4	-1.1	-2349888	-0.3	
21	204.5	1436.3	12.6	2.1	2.2	0.1	-0.9	-2357827	-0.4	
21	204.8	1436.3	12.4	3.4	1.7	-0.4	-0.7	-2347254	-0.4	
21	205.1	1436.4	12.4	1.3	1.4	-0.5	-0.4	-2318661	-0.4	
21	205.4	1436.3	12.7	4	0.9	1.7	-0.1	-2280774	-0.2	
21	205.7	1436.6	10.7	-0.7	0.9	-2.5	0.1	-2234526	-0.1	
21	206	1436.8	12.7	2.1	0.6	0.2	0.4	-2185544	0	
21	206.3	1436.9	11.8	2.4	0.5	-0.3	0.6	-2136480	0.2	
21	206.6	1437	11.6	0.9	0.6	0.7	0.6	-2089572	0.4	
21	206.9	1436.8	11.5	2.3	0.7	-0.5	0.3	-2048680	0.5	
21	207.2	1436.7	11.6	-0.4	1	-0.3	-0.1	-2013222	0.4	
21	207.5	1436.1	12.6	2.8	1	0.8	-0.7	-1982719	0.5	
21	207.8	1435.7	10.7	-1.1	1.4	-1.1	-1.5	-1954949	-0.1	
21	208.1	1435.4	12.8	2.8	1.7	1.2	-2.3	-1926174	-0.8	
21	208.4	1435.3	13	1.1	1.9	0.2	-2.9	-1899955	-1.2	
21	208.7	1435	12.3	1.6	2.1	-0.3	-3.5	-1874441	-1.5	
21	209	1435	11.7	1.1	2.2	-1	-3.9	-1849603	-1.8	
21	209.3	1435.2	12.4	0.6	2.5	-0.6	-4.1	-1827008	-2.3	
21	209.6	1435.3	12.3	1.6	2.5	-1.2	-4	-1804958	-2.5	
21	209.9	1435.2	12.3	-0.6	2.4	-1.8	-3.7	-1784954	-2.7	
21	210.2	1435.3	10.7	-0.4	2.4	-2.3	-3.4	-1763901	-2.5	
21	210.5	1435.4	10.8	-2.3	2	-3.2	-2.9	-1747705	-2.3	
21	210.8	1435.7	10.5	-0.7	1.8	-3.6	-2.4	-1738996	-2	
21	211.1	1436	10.4	-2	1.9	-3.3	-2	-1737553	-1.9	
21	211.4	1436.3	10.1	-1.9	1.8	-3	-1.6	-1740441	-1.7	
21	211.7	1436.7	9.9	-0.2	1.9	-3.5	-1.2	-1747705	-1.7	
21	212	1436.9	10.4	-1.8	1.8	-3.2	-1	-1757977	-1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	212.3	1436.9	10.3	-2.2	2	-3.1	-1	-1769866	-1.3	
21	212.6	1436.9	10.4	-1.7	2.2	-1.8	-1	-1781916	-0.8	
21	212.9	1437.1	10.6	1.1	2.7	-1.4	-1	-1789531	-0.6	
21	213.2	1437.3	11.1	-2.1	2.9	-0.8	-1	-1798755	-0.6	
21	213.5	1437.2	11.3	0.2	3	-0.2	-1.3	-1803403	-0.3	
21	213.8	1437.2	11.2	-1.3	3.2	0	-1.6	-1806515	0.1	
21	214.1	1436.9	10.9	0.7	3.2	0.1	-2	-1806515	0.4	
21	214.4	1436.8	11.6	1.2	3.3	0.8	-2.3	-1804958	0.4	
21	214.7	1436.5	11.8	-0.9	3.4	0.9	-2.7	-1798755	0.3	
21	215	1436	12.1	-1	3.3	0.9	-3.1	-1789531	0.1	
21	215.3	1435.5	12.1	-0.2	3.2	0.9	-3.4	-1775870	-0.1	
21	215.6	1435.2	12.2	1.2	2.9	1.1	-3.5	-1753560	-0.2	
21	215.9	1434.9	12	-1.3	2.7	0.6	-3.6	-1726093	-0.4	
21	216.2	1434.9	12.5	0.4	2.5	1.1	-3.3	-1691237	-0.5	
21	216.5	1434.7	12.5	0.2	2.1	1	-2.9	-1648623	-0.7	
21	216.8	1434.8	12	1.1	1.8	0	-2.3	-1603179	-0.7	
21	217.1	1434.8	12.1	-0.5	1.5	-0.2	-2	-1559011	-0.8	
21	217.4	1434.6	12.1	-0.3	1.4	-0.6	-1.7	-1520517	-0.8	
21	217.7	1434.3	11.7	-0.7	1.1	-0.9	-1.6	-1488096	-0.7	
21	218	1434.2	10.7	-2	1	-1.4	-1.5	-1463139	-0.4	
21	218.3	1434.3	10.7	0	0.8	-1	-1.3	-1445961	-0.2	
21	218.6	1434.1	10.6	-2.1	0.5	-1	-1.3	-1435059	-0.1	
21	218.9	1434	10.7	-1.1	0.5	-1.2	-1.4	-1431136	-0.1	
21	219.2	1433.9	11	-0.6	0.4	-0.5	-1.7	-1433095	-0.2	
21	219.5	1434	11.3	-0.2	0.6	-0.4	-1.9	-1439005	-0.3	
21	219.8	1433.9	11.7	0.1	0.7	0.1	-2.1	-1444963	-0.5	
21	220.1	1434	11.6	-1	1.1	-0.5	-2.3	-1448963	-0.7	
21	220.4	1434.2	11.2	0.5	1.5	-0.4	-2.3	-1450971	-0.8	
21	220.7	1434.6	11	-1.8	1.6	-0.6	-2.1	-1450971	-0.8	
21	221	1434.9	10.5	-2.5	1.9	-1.4	-1.9	-1450971	-1	
21	221.3	1435.2	11.1	-1.2	2	-0.8	-1.7	-1450971	-1.1	
21	221.6	1435.5	10.6	-1.1	2.2	-1.9	-1.5	-1450971	-1.1	
21	221.9	1435.7	10.8	-1.6	2.2	-1.6	-1.4	-1449966	-1.1	
21	222.2	1435.9	10.1	-2.2	2.3	-2.5	-1.3	-1448963	-1.1	
21	222.5	1436	11.2	-1.1	2.2	-1.3	-1.1	-1448963	-1.3	
21	222.8	1435.9	11	0.3	1.8	-1.9	-1.1	-1449966	-1.5	
21	223.1	1435.9	10.9	0.1	1.5	-2	-1	-1449966	-1.5	
21	223.4	1435.7	11.2	0.7	1.3	-1.3	-1.1	-1447961	-1.4	
21	223.7	1435.7	10.9	0.5	1.2	-1.8	-1.1	-1444963	-1.3	
21	224	1435.7	11.8	1.7	1.2	-0.4	-1.1	-1442971	-1.2	
21	224.3	1435.8	11.3	1.4	1.4	-1.3	-1.2	-1442971	-1	
21	224.6	1435.8	11.2	0.8	1.6	-1.1	-1.3	-1445961	-0.8	
21	224.9	1435.8	10.9	0.6	1.6	-1.7	-1.3	-1453994	-0.6	
21	225.2	1436.1	11.6	1.2	2.1	-0.7	-1.3	-1469299	-0.5	
21	225.5	1436.1	11.7	1.1	2.6	-0.7	-1.6	-1491276	-0.4	
21	225.8	1436.1	11.7	0.6	2.9	-0.6	-1.8	-1519413	-0.4	
21	226.1	1436	11.7	0.4	3.1	-0.7	-2.1	-1554381	-0.4	
21	226.4	1435.6	11.4	0.2	3.2	-1.6	-2.6	-1590996	-0.6	
21	226.7	1435.5	12.4	1.5	3.3	-0.6	-3	-1628111	-0.9	
21	227	1435.2	12.9	1.3	3.4	-0.4	-3.4	-1659074	-1.1	
21	227.3	1435	12.8	1	3.4	-0.7	-3.5	-1684434	-1.4	
21	227.6	1434.7	12.7	0.6	3.1	-1.3	-3.7	-1698095	-1.7	
21	227.9	1434.4	13.1	1	3	-1.4	-3.9	-1700854	-2.4	
21	228.2	1434.3	12.7	0.5	3	-2.3	-4	-1693973	-2.7	
21	228.5	1434.3	13.1	1.1	3	-1.7	-4	-1679031	-2.8	
21	228.8	1434.3	12.9	0.4	2.9	-1.4	-3.9	-1661707	-2.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	229.1	1434.5	12.9	0.4	2.7	-1.8	-3.7	-1646031	-2.8	
21	229.4	1434.5	13.3	1.3	2.5	-2	-3.5	-1634466	-2.8	
21	229.7	1434.4	13.2	1.1	2.3	-2	-3.4	-1630647	-2.9	
21	230	1434.4	13	0.9	2.3	-1.9	-3.3	-1638303	-2.7	
21	230.3	1434.4	12.6	0.9	2.4	-2.1	-3.2	-1661707	-2.4	
21	230.6	1434.4	12.9	2.2	2.4	-1.2	-2.9	-1696719	-2	
21	230.9	1434.7	12.4	1.7	2.3	-1.5	-2.4	-1738996	-1.6	
21	231.2	1435.1	11.7	1.1	2.5	-1.4	-2	-1784954	-1.1	
21	231.5	1435.5	11.5	0.8	2.5	-0.9	-1.6	-1830202	-0.5	
21	231.8	1435.8	12.1	1.1	2.5	-0.4	-1.3	-1872765	-0.2	
21	232.1	1436	11.9	0.6	2.7	-0.6	-1.1	-1908615	0.1	
21	232.4	1436.1	11.7	0	2.8	-0.4	-1	-1936865	0.3	
21	232.7	1435.9	11.5	-0.1	2.4	-0.1	-0.9	-1949489	0.5	
21	233	1435.6	11.4	0.2	2.4	-0.1	-1	-1951306	0.5	
21	233.3	1435.3	11.5	0.5	2.2	0.3	-1.2	-1942255	0.3	
21	233.6	1434.9	11.1	0.6	1.8	0.3	-1.6	-1927947	0.2	
21	233.9	1434.7	10.9	-0.2	1.6	0.1	-1.8	-1912101	0.1	
21	234.2	1434.6	11.3	0.7	1.4	0.1	-2	-1893084	0	
21	234.5	1434.5	11.9	1.1	1.2	0.6	-2	-1872765	-0.1	
21	234.8	1434.3	11.9	1.8	0.9	0.4	-1.9	-1852877	-0.3	
21	235.1	1434.3	11.7	0.5	1	0.1	-1.6	-1835014	-0.4	
21	235.4	1434	11.1	0.1	0.8	-0.5	-1.3	-1819071	-0.4	
21	235.7	1434	10.7	-0.2	0.6	-1.3	-0.9	-1811203	-0.4	
21	236	1434.2	10.4	-0.8	0.8	-1.5	-0.5	-1808075	-0.4	
21	236.3	1434.3	10.4	-0.5	0.7	-1.2	-0.2	-1811203	-0.4	
21	236.6	1434.6	10.4	-1.4	0.6	-1.4	0.1	-1822238	-0.4	
21	236.9	1434.6	10.6	-0.7	0.7	-1.4	0.1	-1846341	-0.4	
21	237.2	1434.4	10.6	-0.6	0.7	-1.8	-0.1	-1886262	-0.6	
21	237.5	1434	10.9	0	0.7	-1.4	-0.7	-1935075	-0.7	
21	237.8	1433.5	11.1	-0.5	0.8	-1.1	-1.4	-1992151	-0.8	
21	238.1	1433.2	11.7	0	1	-0.1	-2	-2060778	-0.9	
21	238.4	1432.9	11.9	0.2	0.9	0.1	-2.4	-2136480	-0.9	
21	238.7	1433	11.5	-0.2	1.2	-0.1	-2.6	-2222665	-0.9	
21	239	1433.1	11.4	0	1.2	-0.1	-2.6	-2316096	-0.8	
21	239.3	1433.1	11.4	-1	1.3	-0.3	-2.6	-2406610	-0.7	
21	239.6	1433.2	11.7	-1.2	1.3	0.1	-2.2	-2492560	-0.6	
21	239.9	1433.7	11.5	-1.3	1.4	0.1	-1.5	-2575339	-0.5	
21	240.2	1434.2	11.7	-1	1.3	0.2	-0.5	-2657044	-0.3	
21	240.5	1434.4	11.1	-2	0.8	-0.4	0.3	-2740511	-0.1	
21	240.8	1434.5	11.4	-1.3	0.5	-0.6	0.9	-2814181	-0.1	
21	241.1	1434.5	11	-2.1	0.1	-0.8	1.2	-2868151	0	
21	241.4	1434.4	11	-1.9	-0.1	-0.5	1.2	-2907987	0	
21	241.7	1434.1	11.4	-1.5	-0.3	-0.2	1.1	-2936536	-0.1	
21	242	1433.8	11.3	-2	-0.2	-0.2	0.7	-2961457	-0.3	
21	242.3	1433.6	10.9	-2.3	-0.3	-1	0.3	-2978308	-0.4	
21	242.6	1433.3	11.3	-1.7	-0.2	-0.6	-0.4	-2999642	-1	
21	242.9	1433.4	11.2	-1.4	0.3	-0.8	-1	-3016931	-1.4	
21	243.2	1433.3	12	-0.9	0.6	-0.3	-1.5	-3043242	-1.7	
21	243.5	1433.3	12	-0.4	1	0	-1.9	-3079045	-1.7	
21	243.8	1433.4	11.5	-0.2	1.4	-0.6	-2	-3139056	-2	
21	244.1	1433.5	11.6	0.1	1.9	-1.2	-2.2	-3211273	-2.4	
21	244.4	1433.5	10.8	-1.3	2.2	-2.4	-2.4	-3297245	-2.6	
21	244.7	1433.6	11.6	-0.3	2.4	-1.4	-2.5	-3387945	-2.6	
21	245	1433.7	10	-1.7	2.4	-3.1	-2.4	-3477990	-2.3	
21	245.3	1433.8	10.1	-1.4	2.3	-2.8	-2.3	-3554754	-2.1	
21	245.6	1433.8	9.9	-1.5	2.1	-3.4	-2.1	-3616149	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	245.9	1433.8	9.7	-1.8	2	-3.4	-2	-3654014	-1.2	
21	246.2	1433.7	9.2	-1.9	1.7	-3	-1.9	-3666813	-0.4	
21	246.5	1433.5	9.3	-1.6	1.5	-1.6	-1.9	-3673246	0.2	
21	246.8	1433.6	9.9	-1.4	1.1	-0.3	-1.5	-3673246	0.7	
21	247.1	1433.8	9.9	-2	0.7	-0.8	-1	-3679702	0.9	
21	247.4	1434	10.3	-1.6	0.6	0.4	-0.7	-3699205	1	
21	247.7	1434.1	10.4	-1.3	0.5	0.6	-0.6	-3765738	0.6	
21	248	1434.3	11.2	0.1	0.4	1.3	-0.4	-3906250	0.2	
21	248.3	1434.3	11.8	1.1	0.4	1.1	-0.4	-4121555	-0.2	
21	248.6	1434.3	12.1	1.7	0.2	1.5	-0.2	-4426533	-0.1	
21	248.9	1434.4	10.6	0.2	0.3	0.3	-0.1	-4802179	-0.1	
21	249.2	1434.5	11	0.6	0.5	-0.1	-0.3	-5247494	-1	
21	249.5	1434.6	11.6	1	0.5	0.2	-0.5	-5799862	-1.3	
21	249.8	1434.6	11.8	1.2	0.6	-0.2	-0.7	-6442308	-1.3	
21	250.1	1434.5	10.7	-0.2	0.5	-0.1	-0.8	-7073480	-0.4	
21	250.4	1434.8	10.3	-0.8	0.8	-0.5	-0.8	-7558664	-0.4	
21	250.7	1434.9	11.3	-0.4	0.8	-0.1	-0.9	-7812500	-0.7	
21	251	1434.9	11.8	-0.1	0.9	0.1	-1	-7841760	-0.8	
21	251.3	1434.9	11.2	-0.3	0.8	0.3	-1	-7783457	-0.7	
21	251.6	1435	10.4	-1	0.7	-0.2	-0.9	-7697610	-0.3	
21	251.9	1435.4	10.4	-1	0.9	-0.5	-0.7	-7613637	-0.6	
21	252.2	1435.3	11	-0.7	0.8	-0.8	-0.7	-7586051	-0.7	
21	252.5	1435.5	10.4	-1.1	0.9	-1.1	-0.5	-7697610	-0.9	
21	252.8	1435.4	9.7	-2	0.7	-0.9	-0.5	-8052885	-0.5	
21	253.1	1435.7	9.6	-1.5	0.8	-2	-0.4	-8723959	-0.8	
21	253.4	1435.7	9.7	-1.7	0.8	-1.5	-0.4	-9829812	-0.7	
21	253.7	1435.8	9.7	-1.3	0.8	-2.1	-0.3	-1.2E+07	-0.7	
21	254	1435.8	9.5	-1.5	0.7	-1.8	-0.3	-1.4E+07	-0.5	
21	254.3	1435.8	9	-2.4	0.5	-1.8	-0.3	-1.9E+07	-0.2	
21	254.6	1435.8	10.5	-0.8	0.5	-0.8	-0.3		-0.5	
21	254.9	1435.7	10.4	-0.5	0.4	-1.4	-0.3		-0.6	
21	255.2	1435.6	10	-1.3	0.4	-1.2	-0.3		-0.6	
21	255.5	1435.6	10.3	-0.9	0.1	-1.2	-0.3		-0.5	
21	255.8	1435.6	9.2	-2.8	0.3	-2.2	-0.3		-0.6	
21	256.1	1435.6	11	-1	0.1	-0.2	-0.3		-0.7	
21	256.4	1435.8	11.2	-0.3	0.2	-0.2	-0.1	18049569	-0.9	
21	256.7	1435.8	10.9	-0.7	0	0.3	0.1	15172102	-0.5	
21	257	1435.8	10.5	-0.3	0	-1.6	0.2	13508065	-1	
21	257.3	1435.7	12.1	0.5	-0.1	-0.2	0.2	12537425	-1.6	
21	257.6	1435.6	11.6	1.6	-0.1	-0.7	0.3	11896307	-1.9	
21	257.9	1435.8	12.3	2.2	-0.2	-0.1	0.6	11379076	-2	
21	258.2	1435.6	12	2.1	-0.5	0.1	0.8	11019737	-2	
21	258.5	1435.8	11.3	1.6	-0.5	-1.3	1.1	10682398	-1.9	
21	258.8	1435.6	11.6	2.4	-0.9	-0.6	1.1	10521357	-1.6	
21	259.1	1435.5	11.2	1.9	-0.9	-0.9	1.1	10468750	-1.4	
21	259.4	1435.4	11.6	1.7	-1.2	0.1	1.2	10365099	-1.2	
21	259.7	1435.5	11.1	1.2	-1.1	-1	1.4	10263481	-1.1	
21	260	1435.3	10.9	0.6	-1.3	-0.6	1.4	10066106	-0.9	
21	260.3	1435.3	10.4	0	-1.4	-1	1.4	9783879	-0.6	
21	260.6	1435	10.7	-0.5	-1.5	-0.3	1.2	9473982	-0.4	
21	260.9	1434.8	10.5	-1.3	-1.6	0.2	1	9103261	0	
21	261.2	1434.9	10.1	-2	-1.5	0.2	1	8651860	0.2	
21	261.5	1434.9	10.6	0	-1.5	0.5	0.9	8210785	0.2	
21	261.8	1434.9	10.1	-0.9	-1.4	-0.4	0.8	7754630	0.2	
21	262.1	1434.7	9.9	-1.7	-1.6	-0.6	0.6	7346491	0.1	
21	262.4	1434.8	9.7	-2.1	-1.5	-0.7	0.7	6955980	-0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	262.7	1434.9	9.3	-1.4	-1.6	-0.9	0.8	6625791	-0.3	
21	263	1434.9	9.2	-1.1	-1.7	-2	1	6344697	-0.4	
21	263.3	1435	9.3	-2	-1.6	-2	1.2	6122076	-0.3	
21	263.6	1435.2	8.7	-3.1	-1.5	-2.4	1.3	5931303	-0.2	
21	263.9	1435.5	9.5	-1.7	-1.3	-2.2	1.4	5783840	-0.5	
21	264.2	1435.6	9.9	-0.5	-1.1	-1.9	1.4	5658784	-0.7	
21	264.5	1435.9	10.1	-0.3	-0.8	-1.7	1.5	5553714	-0.6	
21	264.8	1435.9	9.6	-1.4	-0.7	-1.6	1.4	5481021	-0.1	
21	265.1	1436.1	9.5	-0.9	-0.4	-1.5	1.3	5410207	-0.2	
21	265.4	1436.1	10.9	1.2	-0.1	-0.2	1	5341199	-0.6	
21	265.7	1436	11.6	2	0	-0.2	0.8	5247494	-1.1	
21	266	1435.9	11.7	2	0	-0.1	0.6	5131741	-1.3	
21	266.3	1435.9	11.8	2.1	0.1	-0.4	0.5	5008972	-1.5	
21	266.6	1435.7	12.1	2.6	0.2	-0.4	0.3	4891940	-1.8	
21	266.9	1435.6	12.5	3.5	0.1	-0.3	0.2	4780251	-1.9	
21	267.2	1435.6	12.5	2	0.3	-0.4	0.2	4663141	-2	
21	267.5	1435.5	12.3	1.9	0	-0.2	0.2	4541757	-1.7	
21	267.8	1435.5	11.8	1.8	0.2	-1.4	0.2	4435911	-1.5	
21	268.1	1435.4	12.2	1.9	0.2	-1	0.2	4352911	-1.4	
21	268.4	1435.3	12.4	3.2	0.3	-0.8	0.2	4299282	-1.1	
21	268.7	1435.1	12	1	0.3	-0.8	0.1	4272960	-0.7	
21	269	1434.8	11.5	0.3	0.5	-1.3	0	4255590	-0.5	
21	269.3	1434.7	11.8	0.9	0.4	-0.4	-0.1	4246958	-0.4	
21	269.6	1434.4	12.3	1.8	0.3	-0.7	-0.3	4246958	-0.4	
21	269.9	1434.4	12.2	0.1	0.3	-0.4	-0.3	4264257	-0.5	
21	270.2	1434.2	12.6	1	0	-0.1	-0.2	4281698	-0.6	
21	270.5	1434	12	-0.3	-0.1	-0.8	-0.1	4290472	-0.7	
21	270.8	1433.6	12.4	0.4	-0.6	-0.7	0	4272960	-0.9	
21	271.1	1433.5	12.3	1	-0.7	-1.2	0.2	4238361	-1.1	
21	271.4	1433	12.5	0.9	-1.1	-0.2	0.3	4204318	-0.7	
21	271.7	1433.1	11.2	0	-1.2	-1.7	0.6	4179142	-0.9	
21	272	1433.2	12.6	1	-1.1	-0.5	0.8	4154266	-1.3	
21	272.3	1433.2	12	0.9	-1.2	-1.7	0.9	4129685	-1.1	
21	272.6	1433.2	12.5	1.6	-1.2	-0.9	1	4137846	-1.2	
21	272.9	1433	11.9	1.5	-1.2	-1	0.9	4187500	-0.6	
21	273.2	1433.1	12	1.3	-0.7	-0.9	0.8	4264257	-0.9	
21	273.5	1433	12.9	2.4	-0.7	-0.4	0.7	4380230	-0.9	
21	273.8	1432.9	12.5	2.4	-0.6	-0.9	0.6	4512393	-0.9	
21	274.1	1432.7	12.2	1.6	-0.8	0.1	0.5	4642462	-0.4	
21	274.4	1432.7	11.3	1.2	-0.8	-1.2	0.4	4769363	-0.7	
21	274.7	1432.5	13.1	3.2	-1	0.2	0.2	4903396	-1.1	
21	275	1432.5	11.9	2.2	-1.1	-0.9	0.2	5008972	-0.7	
21	275.3	1432.5	12.7	3.4	-1.2	0.3	0.2	5094283	-0.7	
21	275.6	1432.4	11.7	2.5	-1.8	0	0.4	5131741	-0.1	
21	275.9	1432.6	12.6	3.3	-1.9	0.4	0.6	5144349	-0.6	
21	276.2	1432.7	12.6	3.9	-2	-0.3	0.7	5131741	-0.7	
21	276.5	1432.8	12.3	2.8	-2	0.2	0.9	5119193	-0.4	
21	276.8	1433	11.1	1.2	-2.1	0.6	1.1	5094283	0.5	
21	277.1	1433.4	11.5	1.4	-1.8	-0.3	1.3	5069613	0.4	
21	277.4	1433.7	11.8	2.2	-1.8	0.8	1.4	5069613	0.2	
21	277.7	1434	11.4	1.9	-1.4	-0.4	1.4	5081918	0.4	
21	278	1434.4	11.2	0.3	-1.1	0.6	1.5	5094283	0.6	
21	278.3	1434.7	10.4	-1.2	-0.8	-0.2	1.4	5131741	0.8	
21	278.6	1435	11.9	0.2	-0.5	0.9	1.4	5169753	0.1	
21	278.9	1435.1	11.2	-0.6	-0.4	-0.3	1.3	5208334	0	
21	279.2	1435.3	10.7	-1.4	-0.1	-0.1	1.2	5234375	-0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	279.5	1435.3	11.3	-1.2	-0.2	0.1	1.2	5260679	-0.3	
21	279.8	1435.6	10.6	-1.9	0	-1.4	1.2	5260679	-1.1	
21	280.1	1435.6	11.8	-0.5	0	-0.4	1.2	5260679	-1.8	
21	280.4	1435.7	10.8	-1	0	-1.9	1.3	5273930	-1.9	
21	280.7	1435.6	10.3	-1.9	-0.2	-1.6	1.4	5300633	-1.8	
21	281	1435.6	9.5	-2.9	-0.5	-3.3	1.4	5341199	-1.3	
21	281.3	1435.6	10.8	-1.2	-0.6	-1.7	1.4	5424223	-1.7	
21	281.6	1435.3	9.7	-1.8	-1.1	-2.4	1.2	5524407	-1.2	
21	281.9	1435.3	10.3	-1.5	-1.1	-1.9	1.1	5674120	-1.2	
21	282.2	1435	9.9	-2.4	-1.5	-1.5	0.9	5881320	-0.5	
21	282.5	1434.7	9.3	-2.9	-1.6	-2.6	0.6	6122076	-0.3	
21	282.8	1434.3	10.5	-2.1	-1.7	-0.7	0.2	6402905	-0.1	
21	283.1	1434.2	9.9	-2.1	-1.7	-1.2	0.1	6689297	0.1	
21	283.4	1434.3	11.2	-1.2	-1.2	0.8	-0.1	6979167	-0.2	
21	283.7	1434.5	10.4	-1.9	-0.9	-0.8	-0.1	7269965	-0.1	
21	284	1435	11.1	-1.4	-0.4	0.4	0.1	7558664	-0.6	
21	284.3	1435.4	10.8	-0.4	-0.2	-0.8	0.2	7900944	-0.5	
21	284.6	1435.6	11.2	-1.4	0	-0.5	0.3	8243110	-0.9	
21	284.9	1435.7	11.5	-0.5	0.2	-0.3	0.5	8651860	-1	
21	285.2	1435.9	11.4	-1.1	0.5	-1	0.6	9143013	-1.5	
21	285.5	1435.9	12.2	0.3	0.4	-0.7	0.7	9783879	-1.9	
21	285.8	1435.7	10.9	-1.1	0.2	-2.3	0.7	10628173	-1.7	
21	286.1	1435.5	11.4	-1.5	0	-1.2	0.7	11762641	-1.4	
21	286.4	1435.4	10.5	-2	-0.1	-2.4	0.6	13251582	-1.3	
21	286.7	1435.5	11.9	-0.3	0	-0.8	0.5	15172102	-1.6	
21	287	1435.5	11.7	0.4	0.1	-1.9	0.4	18049569	-1.7	
21	287.3	1435.4	12.4	-0.7	0.3	-1	0.2		-1.9	
21	287.6	1435.3	11.4	-0.5	0.1	-1.9	0.1		-1.4	
21	287.9	1435.4	12.2	-0.5	0.1	-1.3	0.1		-1.7	
21	288.2	1435.2	11.9	0.2	0	-1.3	-0.1		-1.6	
21	288.5	1435.2	12	-0.6	0.1	-1.5	-0.1		-1.7	
21	288.8	1434.9	12.2	-0.4	-0.2	-0.4	-0.2		-1.7	
21	289.1	1434.6	11.4	-0.9	-0.6	-2.5	-0.2		-1.7	
21	289.4	1434.4	12.7	1.6	-0.7	-0.9	-0.3		-2	
21	289.7	1434.2	11.5	0	-0.8	-2.6	-0.3		-1.7	
21	290	1434.4	12.4	0.6	-0.6	-0.9	-0.3	-1.8E+07	-1.8	
21	290.3	1434.5	11.5	0.1	-0.5	-2	-0.3	-1.6E+07	-1.2	
21	290.6	1434.9	12.3	1.1	-0.1	-0.9	-0.3	-1.4E+07	-1.4	
21	290.9	1434.9	12.2	1.8	-0.1	-1.3	-0.3	-1.3E+07	-1.2	
21	291.2	1435.1	11.4	-0.5	0.5	-1.9	-0.4	-1.2E+07	-0.9	
21	291.5	1435.2	12.6	1.4	0.6	0.1	-0.4	-1.1E+07	-0.6	
21	291.8	1435.3	11.5	0.8	0.9	-1.8	-0.4	-1.1E+07	-0.6	
21	292.1	1435.2	12.5	1.2	1	0.2	-0.5	-1E+07	-0.5	
21	292.4	1435.3	11.7	1.1	1.3	-1.2	-0.5	-9922986	-0.5	
21	292.7	1435.3	12.5	0.7	1.3	0.1	-0.5	-9783879	-0.6	
21	293	1435.3	11.8	1	1.3	-0.8	-0.5	-9783879	-0.4	
21	293.3	1435.3	12.6	2.3	1.3	0.2	-0.5	-9783879	-0.6	
21	293.6	1435.2	12.6	3.1	1.1	-0.4	-0.5	-9783879	-0.6	
21	293.9	1435.3	12.4	1.6	1	-0.2	-0.5	-9738372	-1.1	
21	294.2	1435.1	12.6	2.9	0.9	-1.1	-0.7	-9560502	-1.3	
21	294.5	1435.1	12.2	1.9	0.9	-1	-0.7	-9305556	-1.4	
21	294.8	1434.7	12.4	2.5	0.7	-1.6	-1	-9024785	-1.4	
21	295.1	1434.5	12.1	2.8	0.7	-1.3	-1.1	-8687760	-1.4	
21	295.4	1434.1	12.2	1.7	0.5	-0.8	-1.3	-8341634	-1.1	
21	295.7	1434.1	11.5	1.6	0.6	-2.1	-1.3	-7991412	-1.2	
21	296	1434.1	13.5	2.3	0.6	0	-1.3	-7669414	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	296.3	1434.3	10.3	-0.1	0.8	-2.3	-1.3	-7346491	-1	
21	296.6	1434.5	13.2	2.1	1	-0.4	-1.1	-7073480	-1.3	
21	296.9	1434.6	11.2	0.4	1.3	-1.6	-1.1	-6842320	-0.9	
21	297.2	1434.7	13.5	2.3	1.5	-0.2	-1	-6646826	-1.9	
21	297.5	1434.6	11.5	0	1.5	-2.2	-1	-6522586	-2.1	
21	297.8	1434.6	12	0.6	1.8	-2.2	-1	-6422546	-2.2	
21	298.1	1434.3	12.2	0	1.5	-1.3	-1	-6325529	-2.2	
21	298.4	1434.3	11	0.1	1.5	-3	-1	-6268713	-2	
21	298.7	1434.2	10.9	-0.5	1.3	-1.2	-1	-6212908	-1.9	
21	299	1434.1	12	1.5	1	-2	-1	-6176254	-1.9	
21	299.3	1433.8	11.7	-0.2	0.7	-1.2	-1	-6122076	-1.7	
21	299.6	1433.7	11.2	-0.5	0.4	-1.9	-1	-6068841	-0.9	
21	299.9	1433.7	11.1	-1.3	0.1	-0.4	-0.8	-5999284	-0.4	
21	300.2	1433.6	11.8	0.4	-0.2	0.8	-0.7	-5897888	0	
21	300.5	1433.5	11.2	-1	-0.4	0.4	-0.4	-5783840	0.8	
21	300.8	1433.4	10.5	-1.4	-0.9	1.3	-0.1	-5674120	1.9	
21	301.1	1433.4	10.2	-1.8	-1.1	1.8	0.1	-5568484	2.5	
21	301.4	1433.6	11	-1.2	-1	2.5	0.3	-5466710	2.6	
21	301.7	1433.7	11.2	-0.2	-0.6	3	0.3	-5341199	2.6	
21	302	1433.9	11	-1.7	-0.4	3.1	0.4	-5234375	2.7	
21	302.3	1434.2	10.8	-0.7	-0.2	2.9	0.4	-5169753	2.9	
21	302.6	1434.4	10	-2.4	0.2	1.6	0.3	-5119193	3	
21	302.9	1434.4	10.9	-0.6	0.3	2.3	0.2	-5081918	2.8	
21	303.2	1434.6	11.1	-1.2	0.5	2.6	0.1	-5057367	2.6	
21	303.5	1434.6	11	-1.2	0.6	2.5	-0.1	-5057367	2.5	
21	303.8	1434.4	10.3	-1.1	0.4	1.2	-0.2	-5094283	2.4	
21	304.1	1434.2	10	-2.6	0.3	0.6	-0.3	-5182550	2	
21	304.4	1434.1	10.1	-1.4	0.2	0.3	-0.4	-5341199	1.9	
21	304.7	1434.3	10.6	-1.9	0.3	0.3	-0.4	-5524407	1.3	
21	305	1434.3	11	-0.7	0.2	0.5	-0.4	-5783840	1	
21	305.3	1434.4	11.6	-0.9	0.3	0.1	-0.4	-6068841	0.2	
21	305.6	1434.6	11.7	-0.1	0.4	-0.2	-0.4	-6402905	-0.4	
21	305.9	1434.8	11.8	-0.8	0.6	-0.8	-0.4	-6775890	-0.7	
21	306.2	1434.7	12.1	-0.5	0.7	-0.7	-0.5	-7145905	-1	
21	306.5	1434.7	11.6	-0.8	0.8	-1.2	-0.5	-7531475	-1.3	
21	306.8	1434.7	12.4	-0.2	0.8	-0.9	-0.5	-7812500	-1.8	
21	307.1	1434.7	12.3	0.1	0.8	-1.5	-0.5	-8052885	-2	
21	307.4	1434.7	13	0.6	0.8	-0.9	-0.4	-8243110	-2.2	
21	307.7	1434.6	12.5	0.4	0.7	-1.3	-0.4	-8442541	-2.2	
21	308	1434.7	12	-0.2	0.7	-2.9	-0.4	-8651860	-2.1	
21	308.3	1434.7	12.9	1.4	0.5	-1.8	-0.4	-8871822	-2.1	
21	308.6	1434.7	13.3	-0.2	0.6	-1.4	-0.4	-9103261	-2	
21	308.9	1434.7	13.1	2.8	0.4	-0.6	-0.4	-9347098	-1.8	
21	309.2	1434.6	13	-0.2	0.5	-1.6	-0.5	-9738372	-1.5	
21	309.5	1434.4	13	1.8	0.3	-1	-0.6	-1E+07	-1	
21	309.8	1434.2	12.5	-1	0.2	-1.1	-0.7	-1.1E+07	-0.5	
21	310.1	1434.2	11.7	0.2	0.4	-1.3	-0.9	-1.2E+07	-0.4	
21	310.4	1434.2	13.9	1.9	0.6	1.4	-1	-1.3E+07	-0.4	
21	310.7	1434.3	13.3	1.1	0.7	0.3	-1	-1.3E+07	-0.4	
21	311	1434.4	13.4	2.4	0.8	0.2	-1	-1.4E+07	-0.2	
21	311.3	1434.7	12.1	1.2	1.2	-1.1	-1.1	-1.4E+07	-0.1	
21	311.6	1434.6	13.7	1.7	1.3	0.6	-1.3	-1.3E+07	-0.2	
21	311.9	1434.7	13.7	2	1.2	0.6	-1.2	-1.3E+07	-0.2	
21	312.2	1434.7	13.2	2	1	0.6	-1	-1.2E+07	-0.2	
21	312.5	1434.7	12.7	1.6	0.9	0.4	-0.9	-1.1E+07	-0.2	
21	312.8	1434.5	12.3	0.5	0.7	-1.2	-0.8	-1E+07	-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	313.1	1434.5	12.4	1.2	0.4	-0.4	-0.7	-9517046	-0.4	
21	313.4	1434.5	12.7	2.2	0.2	-1.4	-0.5	-8947650	-0.7	
21	313.7	1434.5	13.1	2.9	-0.1	0.5	-0.2	-8511179	-0.9	
21	314	1434.7	12.7	1.7	-0.1	-1.3	0.2	-8146887	-1	
21	314.3	1434.9	12.8	1.6	-0.2	-0.4	0.5	-7841760	-1.2	
21	314.6	1435.1	12.3	1.3	0	-1.8	0.6	-7586051	-1.3	
21	314.9	1435.2	12.6	1.8	0	-0.8	0.7	-7398410	-1.4	
21	315.2	1435.1	12.5	2.5	0.2	-0.8	0.6	-7244810	-1.5	
21	315.5	1435.2	11.6	0.7	0.3	-1.2	0.5	-7121599	-1.6	
21	315.8	1435.2	13.5	2.4	0.4	-0.3	0.5	-7049664	-1.7	
21	316.1	1435	11.3	0.3	0.5	-2.4	0.3	-7026007	-1.7	
21	316.4	1434.6	12.4	2.1	0.2	-1.2	0.2	-7049664	-1.7	
21	316.7	1434.5	10.4	0.4	0.2	-3.2	-0.1	-7073480	-1.7	
21	317	1434.4	12.3	2.2	0	-0.8	-0.3	-7121599	-1.7	
21	317.3	1434.3	11.4	0.8	-0.1	-2.1	-0.4	-7219828	-1.4	
21	317.6	1434.1	11.4	0.4	-0.5	-1.1	-0.4	-7295296	-0.9	
21	317.9	1434.2	10.1	-1.5	-0.6	-2.1	-0.4	-7398410	-0.6	
21	318.2	1434.1	11.5	-0.2	-0.7	-1.2	-0.4	-7477679	-0.3	
21	318.5	1433.8	10.9	-0.9	-0.9	-1	-0.4	-7558664	-0.1	
21	318.8	1433.7	11.1	-1	-0.8	-0.8	-0.4	-7641424	0.2	
21	319.1	1433.9	11.1	-0.5	-0.8	0.2	-0.1	-7726015	0.5	
21	319.4	1434.2	10.6	-1.8	-0.5	-1.6	0.1	-7783457	0.4	
21	319.7	1434.5	11.7	-0.6	-0.2	-0.3	0.3	-7841760	0.1	
21	320	1434.9	10.6	-2.4	0.2	-2	0.4	-7900944	-0.3	
21	320.3	1435.2	11.6	-0.9	0.3	-0.3	0.5	-7961027	-0.7	
21	320.6	1435.2	11.4	-0.6	0.5	-2.3	0.4	-8052885	-1.1	
21	320.9	1435.1	12.4	-0.5	0.5	-0.7	0.3	-8115310	-1.4	
21	321.2	1435.2	11.7	-1.6	0.6	-2.3	0.2	-8210785	-1.7	
21	321.5	1435.1	12.5	-0.6	0.7	-1.8	-0.1	-8375000	-2.2	
21	321.8	1434.8	12.9	-0.1	0.5	-1.7	-0.4	-8651860	-2.4	
21	322.1	1434.6	12.8	-0.2	0.4	-2.4	-0.7	-8947650	-2.5	
21	322.4	1434.4	13.2	0.7	0.2	-0.8	-1	-9223568	-2.2	
21	322.7	1434.5	12.3	0.6	0.4	-2.2	-1.2	-9473982	-2	
21	323	1434.5	13.7	-0.2	0.4	-0.3	-1.3	-9648618	-1.7	
21	323.3	1434.8	12.4	-0.9	0.8	-2.2	-1.3	-9738372	-1.5	
21	323.6	1435.1	13.6	0.2	1	0.3	-1.3	-9560502	-1.4	
21	323.9	1435.2	13.2	1.1	1.2	-0.9	-1.3	-9103261	-1.2	
21	324.2	1435.2	13.8	0.1	1.4	0.1	-1.3	-8442541	-1.1	
21	324.5	1435.2	13.8	0.1	1.5	0	-1.3	-7726015	-1.1	
21	324.8	1435.4	13	-0.2	1.7	-1	-1.1	-7026007	-1	
21	325.1	1435.5	13.4	0.7	1.7	0	-1	-6402905	-1	
21	325.4	1435.6	13.2	0.9	1.6	-0.7	-0.9	-5897888	-1	
21	325.7	1435.4	13.7	1.3	1	0.6	-0.7	-5524407	-1	
21	326	1435.6	12.1	-0.6	0.8	-2.1	-0.5	-5273930	-1.1	
21	326.3	1435.5	13.4	0.3	0.5	-0.2	-0.4	-5157020	-1.2	
21	326.6	1435.4	12.3	-0.4	0.4	-1.7	-0.4	-5119193	-1.2	
21	326.9	1435.3	12.7	-0.1	0.2	-0.4	-0.3	-5157020	-1.3	
21	327.2	1435.2	12.8	0.5	-0.2	-1.2	-0.1	-5260679	-1.4	
21	327.5	1435.2	12.5	-0.1	-0.3	-0.7	-0.1	-5424223	-1.5	
21	327.8	1435.3	12.2	-0.3	-0.1	-1.8	0	-5598262	-1.4	
21	328.1	1435.3	11.8	0.2	0.1	-1.9	-0.1	-5783840	-1.5	
21	328.4	1435.5	12.5	-1	0.4	-0.5	-0.1	-5965100	-1.5	
21	328.7	1435.6	11.7	0.4	0.5	-2.1	-0.1	-6086483	-1.4	
21	329	1435.6	11.8	-0.6	0.6	-1	-0.1	-6176254	-1.2	
21	329.3	1435.6	9.8	-0.6	0.8	-3.2	-0.3	-6176254	-1	
21	329.6	1435.5	12.2	-0.1	0.7	-0.1	-0.4	-6140030	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	329.9	1435.6	9.9	-1.5	0.8	-3	-0.5	-6051301	-0.8	
21	330.2	1435.2	12	0.6	0.5	0.2	-0.7	-5914548	-0.7	
21	330.5	1435.1	10.7	0.6	0.4	-1.2	-0.7	-5767907	-0.4	
21	330.8	1434.8	11	-0.5	0	-1	-0.8	-5628360	-0.3	
21	331.1	1434.9	11.4	0.5	0	-0.2	-0.7	-5509869	-0.1	
21	331.4	1434.9	11	-0.1	-0.1	-0.6	-0.6	-5396263	0	
21	331.7	1434.8	11.3	0.2	-0.2	0.4	-0.5	-5314087	0.2	
21	332	1435.2	10.1	-0.5	0.3	-2.1	-0.4	-5273930	0.2	
21	332.3	1435.3	11.7	0	0.3	2	-0.3	-5287248	0.3	
21	332.6	1435.5	10.1	-0.5	0.8	-2.1	-0.3	-5354860	0.2	
21	332.9	1435.5	11.3	-0.3	0.9	0.8	-0.4	-5452474	0.1	
21	333.2	1435.7	11	-0.4	1.4	-1.3	-0.5	-5583334	-0.2	
21	333.5	1435.6	11.4	-1	1.5	-0.9	-0.9	-5720629	-0.6	
21	333.8	1435.5	11.3	-0.4	1.7	-1.7	-1.3	-5881320	-1	
21	334.1	1435.4	12.5	0	1.9	-1	-1.6	-6051301	-1.7	
21	334.4	1435	12.6	-0.3	1.6	-0.6	-1.8	-6250000	-1.9	
21	334.7	1435	10.1	-2.7	1.9	-4.5	-2.1	-6422546	-2.4	
21	335	1434.9	12.8	-0.4	1.6	-1.2	-2.2	-6563480	-2.6	
21	335.3	1434.9	10.6	-1.7	1.7	-4.5	-2.2	-6646826	-2.9	
21	335.6	1434.9	13.3	-0.4	1.2	-0.7	-1.9	-6689297	-3	
21	335.9	1435.2	12.1	-0.3	1	-2.8	-1.3	-6646826	-2.9	
21	336.2	1435.3	13	-0.6	0.6	-0.7	-0.6	-6522586	-2.8	
21	336.5	1435.4	12.3	-0.9	0.3	-2.2	-0.1	-6383384	-2.3	
21	336.8	1435.3	12.5	-1.3	0.3	-1	0.2	-6212908	-1.7	
21	337.1	1435.2	12.8	-1	-0.3	1.6	0.5	-6033862	-1.2	
21	337.4	1435.5	12.8	-0.2	-0.2	0	0.8	-5832173	-1.1	
21	337.7	1435.3	13.1	-0.3	-0.4	2.9	0.8	-5643531	-0.8	
21	338	1435.5	11	-2.2	-0.2	-2.1	0.8	-5466710	-0.7	
21	338.3	1435.3	12.7	-1	-0.5	1.4	0.7	-5327608	-0.7	
21	338.6	1435	10.4	-1.7	-0.5	-1.9	0.3	-5208334	-0.6	
21	338.9	1434.9	12	-1.4	-0.4	0.9	0.1	-5131741	-0.5	
21	339.2	1434.7	11	-1.3	-0.4	-0.6	-0.1	-5081918	-0.2	
21	339.5	1434.9	10	-2.7	-0.2	-1.6	-0.1	-5094283	-0.2	
21	339.8	1434.9	10.7	-2.1	-0.1	-0.8	-0.2	-5144349	-0.1	
21	340.1	1434.9	8.3	-4.2	0.2	-3.2	-0.4	-5234375	-0.1	
21	340.4	1434.9	11.4	-0.8	0	1.3	-0.4	-5368590	-0.1	
21	340.7	1435.1	9.1	-2.7	0.5	-3.3	-0.5	-5524407	-0.1	
21	341	1435.1	10.4	-2.1	0.5	0.6	-0.5	-5689538	-0.1	
21	341.3	1435.1	8.8	-2.9	0.7	-3.6	-0.6	-5832173	-0.2	
21	341.6	1435	10.4	-1.4	0.8	-0.8	-0.7	-5948154	-0.5	
21	341.9	1435.1	10	0.2	0.7	-1.8	-0.7	-6016523	-0.6	
21	342.2	1434.9	9.9	-2.3	0.5	-1.4	-0.6	-6033862	-0.7	
21	342.5	1434.9	9.6	-0.3	0.4	-1.2	-0.5	-6016523	-0.8	
21	342.8	1435.1	9	-3	0.6	-3.4	-0.5	-5948154	-1	
21	343.1	1435	11.9	1.2	0.4	0.8	-0.4	-5848464	-1.1	
21	343.4	1435.2	9.1	-1.9	0.7	-4.1	-0.4	-5752061	-1.3	
21	343.7	1435.1	12.4	1	0.5	1.2	-0.3	-5674120	-1.4	
21	344	1435.2	10.5	-0.5	0.7	-2.8	-0.3	-5628360	-1.5	
21	344.3	1435.2	12.3	1	0.6	0.6	-0.2	-5613271	-1.5	
21	344.6	1435.1	10.5	0.4	0.9	-2.5	-0.4	-5598262	-1.5	
21	344.9	1435	11.8	0.1	0.8	-0.6	-0.4	-5613271	-1.5	
21	345.2	1435	11.3	1.2	1.1	-0.6	-0.6	-5643531	-1.5	
21	345.5	1435	10.8	-0.5	1.2	-2.6	-0.7	-5689538	-1.5	
21	345.8	1434.7	13.3	2.3	1	1.4	-0.9	-5736302	-1.5	
21	346.1	1434.7	10.8	-0.6	1.4	-3.1	-1.1	-5736302	-1.5	
21	346.4	1434.5	13.2	1.9	1	1.1	-1.1	-5674120	-1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	346.7	1434.5	10.5	-2	1.2	-3.1	-1.3	-5598262	-1.1	
21	347	1434.4	13.1	0.5	1	0.8	-1.3	-5539021	-1.1	
21	347.3	1434.3	12.2	2.1	1.1	-0.9	-1.3	-5495407	-0.9	
21	347.6	1434	11.8	-1	0.8	-0.3	-1.3	-5438312	-0.7	
21	347.9	1434	11.9	1.3	0.8	-0.3	-1.2	-5410207	-0.6	
21	348.2	1434	11.6	-1.7	0.8	-1.5	-1.1	-5368590	-0.6	
21	348.5	1433.7	12.5	0.4	0.5	0.2	-1	-5327608	-0.5	
21	348.8	1434	11.3	-1.7	0.7	-2.2	-0.7	-5327608	-0.5	
21	349.1	1434	12.6	0.3	0.5	0.6	-0.5	-5354860	-0.6	
21	349.4	1434.2	11.9	-0.6	0.7	-2	-0.2	-5396263	-0.6	
21	349.7	1433.9	12.6	-0.2	0.2	-0.3	0	-5424223	-0.6	
21	350	1433.9	11.6	-1.2	0.3	-1.7	0.2	-5466710	-0.6	
21	350.3	1433.8	12.4	-0.7	0.1	-0.2	0.3	-5539021	-0.7	
21	350.6	1433.9	11.7	0.7	0.1	-2	0.4	-5613271	-0.7	
21	350.9	1433.8	12.7	0	0.2	-1.2	0.3	-5705041	-0.9	
21	351.2	1433.5	12.8	2.4	-0.2	-0.6	0.2	-5783840	-1	
21	351.5	1433.4	12.4	0.4	-0.3	-2	0.1	-5864846	-1.1	
21	351.8	1433.1	13.6	2.6	-0.6	-0.3	-0.1	-5965100	-1.2	
21	352.1	1433	12.4	2.4	-0.3	-2.1	-0.3	-6033862	-1.4	
21	352.4	1432.8	13.7	3	-0.6	0.4	-0.4	-6068841	-1.5	
21	352.7	1432.8	11.9	3.6	-0.3	-3.2	-0.7	-6068841	-1.7	
21	353	1432.7	14.4	3	-0.3	0.4	-1	-6051301	-1.8	
21	353.3	1433	13.5	4.4	0.1	-1.5	-1.1	-5999284	-1.5	
21	353.6	1433	13.5	3.1	0.4	-0.8	-1.4	-5931303	-1.5	
21	353.9	1433.1	13.9	5.1	0.6	0.1	-1.6	-5832173	-1.3	
21	354.2	1433.4	13.6	3.2	0.9	-0.7	-1.7	-5720629	-1.2	
21	354.5	1433.4	13.5	3.5	1	0.7	-1.9	-5598262	-0.3	
21	354.8	1433.8	12	2.1	1.5	-1.2	-2	-5481021	0.2	
21	355.1	1433.9	14.3	4.7	1.4	2.7	-2	-5354860	0.5	
21	355.4	1434	12.8	3.8	1.5	-0.2	-1.9	-5247494	0.5	
21	355.7	1434.2	14.3	2.4	1.2	2.5	-1.6	-5131741	0.5	
21	356	1434.5	12.8	3.7	1.4	0.2	-1.3	-5045181	0.4	
21	356.3	1434.9	12.7	0.3	1.5	0.1	-1	-4985119	0.3	
21	356.6	1435.2	12.7	2.2	1.3	-0.1	-0.6	-4926471	0.2	
21	356.9	1435.5	12.6	0.3	1.2	0.7	-0.2	-4891940	0.1	
21	357.2	1435.8	13	2.5	1	0.7	0.2	-4880536	-0.1	
21	357.5	1436.1	12.4	0.6	1.1	-0.8	0.4	-4880536	-0.4	
21	357.8	1436.1	12.7	1.4	0.9	-0.2	0.6	-4914906	-0.5	
21	358.1	1436.1	11.1	0.3	0.9	-1.8	0.5	-4961493	-0.5	
21	358.4	1435.8	12.6	-0.7	0.5	0.5	0.4	-5020984	-0.6	
21	358.7	1435.7	11.9	1.1	0.3	-0.6	0.3	-5094283	-0.6	
21	359	1435.5	12.4	-0.8	0.1	0	0.3	-5169753	-0.6	
21	359.3	1435.5	10.6	0.1	0.3	-1.9	0.2	-5260679	-0.5	
21	359.6	1435.4	12.4	-0.7	0.3	0.6	0.1	-5354860	-0.6	
21	359.9	1435.4	11.4	-0.8	0.2	-1	0.1	-5452474	-0.4	
21	360.2	1435.3	12	0.2	0.2	0.1	0.1	-5539021	-0.2	
21	360.5	1435.3	10.5	-1.4	0.4	-1.2	0.1	-5628360	0	
21	360.8	1435.3	10.3	-1.3	0.5	-1.9	0.1	-5689538	0	
21	361.1	1435.2	11.2	-1.3	0.4	-0.3	0	-5736302	0	
21	361.4	1435	11	-0.3	0.5	-1.7	-0.1	-5752061	-0.1	
21	361.7	1434.6	11.5	-1.1	-0.1	0.9	-0.1	-5720629	0	
21	362	1434.2	9.5	-2.4	-0.1	-3.3	-0.3	-5658784	-0.1	
21	362.3	1434	11.6	-1	-0.3	0.4	-0.4	-5553714	-0.3	
21	362.6	1433.8	10.8	-0.8	-0.2	-2.1	-0.5	-5424223	-0.5	
21	362.9	1433.6	12.3	-0.1	-0.4	0.8	-0.6	-5287248	-0.7	
21	363.2	1433.6	11.8	0.1	-0.1	-0.6	-0.7	-5195410	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	363.5	1433.9	11.1	-1.6	0.3	-2.2	-0.8	-5119193	-1.4	
21	363.8	1433.8	12.8	0	0.4	0	-0.9	-5106708	-1.4	
21	364.1	1434	10.5	-1.9	1	-3.3	-1	-5169753	-1.5	
21	364.4	1433.8	13	-0.6	0.9	1.1	-1	-5300633	-1.4	
21	364.7	1434	10.4	-2	1.4	-3.8	-1.2	-5509869	-1.4	
21	365	1433.8	12.9	-0.8	1.3	0	-1.3	-5799862	-1.5	
21	365.3	1433.8	11.1	-0.8	1.4	-3	-1.4	-6140030	-1.3	
21	365.6	1433.5	12.6	-1.8	1.3	-1.2	-1.6	-6522586	-1.3	
21	365.9	1433.5	12.6	-0.9	1.1	-1	-1.6	-6887336	-1.3	
21	366.2	1433.6	11.8	-1.7	1.2	-2.6	-1.6	-7170377	-1.3	
21	366.5	1433.5	13.2	-0.7	0.9	0.1	-1.6	-7320804	-1.2	
21	366.8	1433.6	11.5	-2.1	1	-3	-1.6	-7346491	-1.2	
21	367.1	1433.6	13.9	0.4	0.5	1	-1.4	-7219828	-1.1	
21	367.4	1433.9	12.1	0.1	0.8	-2.2	-1.3	-7002509	-1.1	
21	367.7	1434	13.3	-1	0.5	0.5	-1	-6710737	-1.1	
21	368	1434	13.2	0.4	0.5	-1.2	-0.8	-6402905	-1.2	
21	368.3	1434	13.6	-0.7	0.4	0.4	-0.6	-6140030	-1.4	
21	368.6	1434.1	13.3	0.5	0.4	-0.5	-0.4	-5931303	-1.3	
21	368.9	1434.4	13.4	0.7	0.4	-0.5	-0.1	-5767907	-1.6	
21	369.2	1434.7	13.6	0.9	0.4	0.2	0.2	-5628360	-1.6	
21	369.5	1435	13.3	0.7	0.5	-1.5	0.5	-5524407	-1.7	
21	369.8	1435	13.6	0.6	0.3	0	0.7	-5438312	-1.6	
21	370.1	1435.2	12.3	-0.1	0.4	-2.8	0.8	-5354860	-2	
21	370.4	1435	13.9	1.2	0.3	-0.1	0.9	-5273930	-1.9	
21	370.7	1434.9	11	-0.1	0.2	-4.4	0.8	-5195410	-2	
21	371	1434.7	13.2	0.6	0	-1.1	0.6	-5119193	-1.9	
21	371.3	1434.7	11.5	-0.4	0	-3.3	0.3	-5045181	-1.5	
21	371.6	1434.5	12.2	-0.2	-0.1	-2.1	-0.1	-4973278	-1.4	
21	371.9	1434.3	12.3	1.7	-0.2	-1.8	-0.5	-4903396	-1	
21	372.2	1434.2	11.9	-0.5	0	-2.1	-1	-4846644	-0.9	
21	372.5	1433.9	13	1.6	-0.2	0.5	-1.3	-4813219	-0.2	
21	372.8	1433.7	10.9	-1.1	0.2	-2.6	-1.7	-4791190	-0.1	
21	373.1	1433.8	13.2	2.7	0.3	2.2	-1.7	-4802179	0.2	
21	373.4	1434.1	11.5	1.2	0.8	-1.4	-1.7	-4802179	0.1	
21	373.7	1434.4	13.3	2.1	0.8	2.3	-1.5	-4791190	-0.1	
21	374	1434.8	12.3	1.3	1.1	-0.6	-1.1	-4802179	-0.3	
21	374.3	1435.1	12.8	1.3	0.9	0.5	-0.7	-4824309	-0.8	
21	374.6	1435.3	12.6	3.1	1	-0.3	-0.4	-4835451	-0.8	
21	374.9	1435.5	12.4	0.8	0.9	-0.8	-0.1	-4846644	-1.1	
21	375.2	1435.3	13	2.2	0.7	0.2	0	-4869186	-1.2	
21	375.5	1435.5	11.3	-1	0.8	-2.4	0.1	-4880536	-1.5	
21	375.8	1435.3	12.9	1.1	0.5	-0.1	0.1	-4938090	-1.6	
21	376.1	1435.4	10.3	-0.8	0.6	-3.4	-0.1	-4997017	-1.5	
21	376.4	1435.2	13.1	0.3	0.6	-0.3	-0.4	-5057367	-1.3	
21	376.7	1435.4	10.7	0.2	0.8	-1.8	-0.5	-5131741	-0.9	
21	377	1435.3	12.4	-0.6	0.7	0.3	-0.7	-5221322	-0.4	
21	377.3	1435.5	11.2	0.8	0.9	-0.8	-0.7	-5327608	0	
21	377.6	1435.5	12.3	-0.6	1.2	0.3	-0.9	-5438312	0.1	
21	377.9	1435.4	11.3	0.2	1.1	0.2	-0.9	-5568484	0.7	
21	378.2	1435.3	11.2	-1.4	1.1	0	-0.9	-5689538	1	
21	378.5	1435.3	11.2	-1.4	1	1.4	-0.8	-5832173	1.3	
21	378.8	1435.2	12	0.2	1	0.5	-0.7	-5931303	1	
21	379.1	1435.2	10.4	-2.8	0.8	0.8	-0.6	-5999284	1.6	
21	379.4	1435.3	10.8	-0.7	1	-0.1	-0.5	-6016523	1.3	
21	379.7	1435.1	11.6	-2.3	0.6	1.3	-0.5	-5965100	1.1	
21	380	1435.1	11.2	-0.9	0.8	-0.7	-0.5	-5881320	0.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	380.3	1434.9	12.3	-1	0.7	1.3	-0.5	-5736302	0.4	
21	380.6	1434.8	11.5	-1.7	0.7	0.1	-0.5	-5553714	0.5	
21	380.9	1434.8	11.8	-1.8	0.6	1.6	-0.5	-5354860	0.2	
21	381.2	1434.6	11.8	-1.5	0.6	-0.2	-0.6	-5195410	0.2	
21	381.5	1434.5	11.8	-1.6	0.6	-0.3	-0.7	-5069613	0.1	
21	381.8	1434.4	12	-1.6	0.3	0.8	-0.7	-4997017	0	
21	382.1	1434.4	11.7	-1.6	0.5	-0.7	-0.8	-4997017	-0.1	
21	382.4	1434.1	13.1	-0.5	0	2.2	-0.7	-5045181	-0.2	
21	382.7	1434	11.5	-0.8	0	-1.9	-0.7	-5157020	-0.2	
21	383	1434	12.7	-1.2	0	0.4	-0.5	-5327608	-0.1	
21	383.3	1434.1	9.7	-1.3	0.3	-3.8	-0.7	-5553714	-0.1	
21	383.6	1434.1	12.5	-0.7	0.5	0.2	-0.9	-5832173	-0.3	
21	383.9	1434.1	14	2.5	0.4	1.2	-0.8	-6104228	-0.3	
21	384.2	1434.3	11.6	-0.6	0.6	-1.8	-0.8	-6306476	-0.3	
21	384.5	1434.4	13	0.7	0.7	0.3	-0.9	-6422546	-0.2	
21	384.8	1434.5	10.3	-1.6	1.1	-3.9	-1.1	-6482198	-0.5	
21	385.1	1434.5	14.1	1.1	1.1	1.8	-1.1	-6462192	-0.6	
21	385.4	1434.3	12.8	1.9	1	-1.7	-1.3	-6383384	-0.8	
21	385.7	1434.2	15	1.8	0.6	3.1	-1.1	-6250000	-0.7	
21	386	1434.4	12.1	0.6	0.9	-2.8	-1.1	-6140030	-0.8	
21	386.3	1434.5	13.2	-0.1	0.9	0.2	-1.1	-6033862	-1.2	
21	386.6	1434.6	14.1	1.8	0.9	0.3	-1	-5999284	-1.2	
21	386.9	1434.7	13.4	0.6	0.9	-1	-0.9	-5982143	-1.4	
21	387.2	1435	14.4	1.8	0.9	0.8	-0.6	-5999284	-1.3	
21	387.5	1435.1	11.9	-0.5	0.9	-3.1	-0.5	-6016523	-1.6	
21	387.8	1435.2	14.7	1.7	0.6	0.9	-0.1	-6068841	-1.8	
21	388.1	1435.4	12.8	1.5	0.8	-3.4	0	-6140030	-2	
21	388.4	1435.1	15.6	2.7	0.2	2	0.3	-6194527	-2	
21	388.7	1435.3	9.7	-0.6	0.5	-5.5	0.2	-6231399	-2.4	
21	389	1435.1	13.7	0.6	0.1	-0.4	0.3	-6231399	-2.6	
21	389.3	1435.1	13.1	2.4	0.1	-2.1	0.3	-6194527	-2.6	
21	389.6	1434.9	14.4	2	-0.3	-0.8	0.2	-6122076	-2.4	
21	389.9	1434.9	12.8	1.6	-0.3	-0.1	0.2	-6068841	-2	
21	390.2	1435	11.2	-1.1	0.1	-4.4	-0.1	-6033862	-1.9	
21	390.5	1434.9	13.4	2.1	0	0.6	-0.3	-5999284	-1.6	
21	390.8	1434.8	11.1	-0.1	0.3	-4.4	-0.6	-5965100	-1.3	
21	391.1	1434.7	12.4	1.2	0.1	1.8	-0.6	-5931303	-0.6	
21	391.4	1434.8	8.9	-3.1	0.5	-4.5	-0.7	-5914548	-0.4	
21	391.7	1434.7	11.9	1.5	0.5	-0.5	-0.7	-5897888	-0.5	
21	392	1434.9	11.1	0.3	0.7	-2.7	-0.5	-5897888	-0.5	
21	392.3	1434.9	9.9	-1.7	0.8	-3.5	-0.6	-5881320	-0.9	
21	392.6	1434.9	12.8	1.6	0.5	0.8	-0.4	-5832173	-1	
21	392.9	1435	9.7	-2.6	0.8	-4.8	-0.4	-5767907	-1.3	
21	393.2	1435	12.9	1.4	0.5	0.3	-0.1	-5674120	-1.5	
21	393.5	1435	10.4	-1.4	0.4	-4.4	0.1	-5598262	-1.9	
21	393.8	1434.8	12.4	0.6	0	0.9	0.1	-5583334	-2.1	
21	394.1	1434.7	10.7	-1.1	-0.1	-4.1	0	-5568484	-2.2	
21	394.4	1434.6	12.3	0.3	-0.3	-1.2	-0.1	-5583334	-2.3	
21	394.7	1434.4	12.2	0.5	-0.4	-1.1	-0.1	-5658784	-2	
21	395	1434.5	10.9	-2.2	-0.3	-2.4	-0.2	-5783840	-1.9	
21	395.3	1434.3	13.1	1.6	-0.4	0.1	-0.4	-5948154	-1.8	
21	395.6	1434.4	11.1	-1.6	-0.1	-3	-0.6	-6158088	-1.7	
21	395.9	1434.4	13.3	3.6	-0.1	1.1	-0.5	-6383384	-1.3	
21	396.2	1434.6	9.9	-2.6	0.4	-2.7	-0.7	-6584120	-1.1	
21	396.5	1434.9	13.2	-0.8	0.6	2.2	-0.6	-6820033	-1.1	
21	396.8	1435	11.2	-0.4	1	-1.8	-0.6	-6979167	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	397.1	1434.8	12.7	-0.3	1.1	1.2	-0.6	-7097458	-0.7	
21	397.4	1435.1	9.9	-0.4	1.5	-1.9	-0.6	-7145905	-0.6	
21	397.7	1435.1	12.6	-1.5	1.6	0.8	-0.6	-7170377	-0.6	
21	398	1435.1	11.8	-1	1.5	0.6	-0.5	-7097458	-0.5	
21	398.3	1434.9	11.4	-3.6	1.3	-0.1	-0.6	-7002509	-0.6	
21	398.6	1435	10.7	-1.4	1.3	0.1	-0.6	-6910066	-0.2	
21	398.9	1435	9.2	-4	1	-2.5	-0.7	-6887336	-0.4	
21	399.2	1434.6	12	-2.1	0.5	1.5	-0.8	-6910066	-0.4	
21	399.5	1434.3	9.3	-4.1	0.5	-3.3	-0.9	-6955980	-0.3	
21	399.8	1433.9	11.6	-2.8	-0.2	2.4	-0.8	-7049664	-0.3	
21	400.1	1434	9.3	-2.6	-0.2	-2.4	-0.7	-7145905	-0.1	
21	400.4	1433.8	10.4	-4.3	-0.4	-0.3	-0.7	-7320804	0	
21	400.7	1434	8.6	-4.2	0.2	-2.9	-0.7	-7586051	0.1	
21	401	1434.1	11	-4.6	0.2	1.3	-0.7	-7871241	0.1	
21	401.3	1434.5	9.5	-0.2	0.5	-0.4	-0.7	-8115310	0.3	
21	401.6	1434.8	9.1	-4.6	1	-2	-0.8	-8308532	0.1	
21	401.9	1434.7	11.9	-1.2	0.8	2.2	-0.7	-8408635	0.1	
21	402.2	1434.7	7.9	-6.5	1.1	-3.4	-0.9	-8375000	0.1	
21	402.5	1434.7	10.7	-2.1	1	1.4	-1	-8341634	-0.1	
21	402.8	1434.7	9.6	-1.6	1.2	-1.8	-1.1	-8178711	-0.3	
21	403.1	1434.2	11.8	-1.6	0.6	2.5	-1.1	-7991412	-0.5	
21	403.4	1434.2	8.9	-2.2	0.7	-3.1	-1.2	-7726015	-0.7	
21	403.7	1434.4	11.3	-1.1	0.6	1.5	-1	-7398410	-1	
21	404	1434.5	10.5	1.6	0.4	-1	-0.9	-7097458	-1	
21	404.3	1434.9	10.2	-1.7	0.8	-1.2	-0.7	-6797890	-1	
21	404.6	1435	11.3	0.2	0.6	0.6	-0.4	-6522586	-0.8	
21	404.9	1435.3	9	-0.9	0.9	-3.3	-0.3	-6231399	-0.8	
21	405.2	1435.3	11.8	-1	0.7	0.9	-0.1	-5982143	-0.5	
21	405.5	1435.3	9.1	-0.6	1.2	-3.3	-0.1	-5799862	-0.4	
21	405.8	1435.2	11.7	-1.2	0.9	1.7	0.1	-5674120	-0.1	
21	406.1	1435.1	8.2	-2.2	1	-4.4	-0.1	-5553714	-0.1	
21	406.4	1435.2	11.9	-0.5	1	0.6	0	-5495407	-0.1	
21	406.7	1434.9	9	-1.7	0.9	-2.9	-0.3	-5452474	-0.1	
21	407	1434.9	12	-0.3	0.9	-0.1	-0.4	-5452474	-0.2	
21	407.3	1434.8	12.3	0.1	0.6	0.4	-0.4	-5481021	-0.3	
21	407.6	1434.8	11.2	0.3	0.6	-1.9	-0.4	-5524407	-0.3	
21	407.9	1434.3	12.3	-0.8	0	0.8	-0.4	-5598262	-0.3	
21	408.2	1434.3	10.8	-0.3	-0.1	-2.6	-0.4	-5658784	-0.5	
21	408.5	1434	13.7	0.4	-0.8	3.4	-0.1	-5736302	-0.6	
21	408.8	1433.9	12	2.1	-1.1	-2	0.1	-5799862	-0.7	
21	409.1	1433.7	13.4	0.2	-1.4	2.4	0.4	-5864846	-0.7	
21	409.4	1433.7	12.6	1.4	-1.4	-1.8	0.5	-5965100	-1.2	
21	409.7	1433.8	14.3	1.6	-1.4	1	0.6	-6086483	-1.6	
21	410	1433.9	13.8	3.9	-1.3	-0.5	0.6	-6212908	-1.8	
21	410.3	1434.1	13.4	0.8	-0.8	-0.6	0.6	-6344697	-2.1	
21	410.6	1434.4	14.2	2.4	-0.5	0.4	0.7	-6522586	-2.2	
21	410.9	1434.7	11.2	-0.2	0.1	-3.8	0.4	-6710737	-2.4	
21	411.2	1434.5	14.7	4	0.2	1.1	0.2	-6910066	-2.5	
21	411.5	1434.5	11.6	2.4	0.7	-3.7	-0.1	-7121599	-2.6	
21	411.8	1434.3	14.4	2.4	0.8	1.2	-0.4	-7372359	-2.4	
21	412.1	1434.4	11.1	1.8	1	-4.1	-0.6	-7613637	-2.1	
21	412.4	1434.4	13.9	2.3	1.1	0.2	-0.7	-7871241	-1.9	
21	412.7	1434.3	11.5	2.2	1.1	-2.6	-0.9	-8146887	-1.4	
21	413	1434.2	12.4	2	1.1	-1.2	-1	-8375000	-1.1	
21	413.3	1434.3	11.5	2.9	1.1	0.2	-1	-8616255	-0.5	
21	413.6	1434.4	10.2	-0.8	1.3	-3	-1.1	-8871822	-0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	413.9	1434.2	12	2.5	1	1	-1.1	-9024785	0	
21	414.2	1434.2	8.9	-0.2	1.3	-3.7	-1.3	-9103261	0.1	
21	414.5	1434.1	11.9	0	1.1	1.6	-1.4	-8986052	0.1	
21	414.8	1434.1	9.9	2	1.3	-2.2	-1.6	-8723959	0.1	
21	415.1	1434	12.1	1.4	1.2	1.2	-1.6	-8442541	0.1	
21	415.4	1433.8	10.9	1.3	1	-1	-1.5	-8178711	0.1	
21	415.7	1433.8	10.5	-1.3	0.9	0.9	-1.4	-7991412	0.1	
21	416	1433.9	10.9	2	1	-0.1	-1.3	-7812500	0.1	
21	416.3	1434	10.4	-0.9	1.1	-0.7	-1.1	-7754630	-0.1	
21	416.6	1434.1	11	0.5	1.2	0.7	-0.9	-7783457	-0.3	
21	416.9	1434.3	9.8	-0.4	1.2	-2	-0.6	-7991412	-0.6	
21	417.2	1434.4	10.5	-0.8	1.1	-0.2	-0.4	-8308532	-0.7	
21	417.5	1434.5	10.5	1.5	1.1	-1.9	-0.3	-8687760	-0.9	
21	417.8	1434.4	11.7	-0.1	0.8	0.2	-0.1	-9063853	-0.9	
21	418.1	1434.4	7.9	-1.2	0.8	-4.1	-0.1	-9389014	-0.9	
21	418.4	1434.1	12.1	0.4	0.5	0.8	-0.1	-9648618	-0.9	
21	418.7	1433.9	10	1.8	0.3	-1.9	-0.2	-9648618	-0.8	
21	419	1433.4	11.1	-0.8	0	-0.4	-0.3	-9473982	-0.7	
21	419.3	1433.4	10.5	1.5	-0.3	-0.5	-0.2	-9143013	-0.5	
21	419.6	1433.4	10.2	-1.8	-0.4	-1.3	-0.2	-8723959	-0.4	
21	419.9	1433.4	11	-1.3	-0.4	-0.1	-0.1	-8275692	-0.1	
21	420.2	1433.6	10.4	-0.8	-0.2	-1.2	0	-7871241	0.1	
21	420.5	1433.5	11.7	-0.6	-0.7	3.2	0.2	-7504480	0.1	
21	420.8	1433.6	9.9	-0.9	-0.7	-2.6	0.2	-7145905	0.2	
21	421.1	1433.5	11.8	-1.9	-0.7	1.2	0.2	-6864754	0.2	
21	421.4	1433.4	10.7	-1.3	-0.5	-1.1	0.2	-6625791	0.1	
21	421.7	1433.5	11.1	-2.3	-0.7	1	0.2	-6442308	-0.1	
21	422	1433.5	11.8	-0.8	-0.7	0.3	0.2	-6306476	-0.3	
21	422.3	1433.3	11.5	-2.8	-0.7	-0.7	0	-6194527	-0.4	
21	422.6	1433.2	11.7	-2.1	-0.8	-0.1	-0.1	-6086483	-0.4	
21	422.9	1433.5	9.3	-4.1	0	-3	-0.4	-6016523	-1	
21	423.2	1434	13.3	-0.9	0.4	2.1	-0.4	-5948154	-1.4	
21	423.5	1434.2	11.6	0.4	0.7	-1.8	-0.5	-5897888	-1.6	
21	423.8	1434.1	12.7	-2	0.8	0.4	-0.6	-5897888	-1.4	
21	424.1	1434.5	9.5	-2.1	1.4	-2.7	-0.7	-5931303	-1.6	
21	424.4	1434.5	12.3	-2.1	1.6	-0.4	-1	-6051301	-2	
21	424.7	1434.6	12.6	1.5	1.8	-0.4	-1.1	-6250000	-2.3	
21	425	1434.5	12.5	-1.4	1.6	-1.2	-1.1	-6542969	-2.2	
21	425.3	1434.3	10.9	-0.6	0.9	-0.5	-0.9	-6932947	-1.7	
21	425.6	1434.5	9.7	-2.7	0.7	-3.8	-0.7	-7372359	-1.5	
21	425.9	1434.4	11.7	0.2	0.2	-0.7	-0.5	-7841760	-1.4	
21	426.2	1434.3	11.2	1	0.1	-1.9	-0.3	-8308532	-1.2	
21	426.5	1434.2	10.1	-1.9	-0.7	0.3	0.1	-8687760	-0.2	
21	426.8	1434.3	9.7	0.8	-0.9	-1.9	0.4	-8986052	0.3	
21	427.1	1434.5	10	-1.9	-1	-0.9	0.6	-9103261	0.5	
21	427.4	1434.8	11.3	1.4	-0.7	-0.2	0.7	-9103261	0.5	
21	427.7	1435	10.1	-2	-0.3	-0.5	0.6	-9063853	0.2	
21	428	1435.1	10.8	-0.1	0	0.2	0.4	-8947650	0.1	
21	428.3	1435.1	10.5	0	0.3	-1.5	0.2	-8871822	-0.6	
21	428.6	1434.9	11.2	0.3	0.6	-1.1	-0.1	-8834388	-0.9	
21	428.9	1435	9.7	-0.7	1.3	-2.5	-0.3	-8871822	-1.1	
21	429.2	1435	11.5	0.5	1.4	0.1	-0.4	-8986052	-1.2	
21	429.5	1435.2	10.3	0.5	1.8	-1.9	-0.6	-9024785	-1.1	
21	429.8	1435.1	11.5	1	1.7	-1	-0.7	-9024785	-1	
21	430.1	1435.2	10.7	0.2	1.8	-1	-0.7	-8947650	-0.7	
21	430.4	1434.9	11.8	0.1	1.4	0	-0.7	-8760460	-0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	430.7	1434.7	11.2	3.3	1.2	-0.9	-0.7	-8442541	-0.4	
21	431	1434.4	11.6	-0.5	1	-0.2	-0.8	-8115310	-0.3	
21	431.3	1433.9	12.2	2.2	0.4	0.8	-0.9	-7754630	-0.2	
21	431.6	1433.7	10.7	-0.4	0.3	-1.6	-1	-7424646	-0.2	
21	431.9	1433.4	12.3	1.8	-0.1	0.5	-1.1	-7121599	-0.3	
21	432.2	1433.3	11.7	1.5	0	-0.8	-1.2	-6864754	-0.4	
21	432.5	1433.2	11.9	0.9	-0.2	0.3	-1.3	-6710737	-0.6	
21	432.8	1433.4	11.8	1.4	0.1	-1.5	-1.3	-6584120	-0.9	
21	433.1	1433.4	13	1.3	0.2	0.5	-1.4	-6563480	-1.2	
21	433.4	1433.4	11.8	1.9	0.4	-1.1	-1.3	-6563480	-1	
21	433.7	1433.7	12.8	1	0.7	-0.2	-1.1	-6604890	-1.5	
21	434	1433.8	12.6	1.9	0.8	-0.3	-0.9	-6710737	-1.3	
21	434.3	1433.9	12.8	1.7	0.8	-0.4	-0.6	-6910066	-1.5	
21	434.6	1433.8	12.7	0.9	0.6	-0.2	-0.3	-7219828	-0.9	
21	434.9	1434.1	11.3	-0.2	0.9	-1.5	-0.1	-7669414	-1.2	
21	435.2	1434.3	13	1.3	0.5	0.6	0.2	-8210785	-1	
21	435.5	1434.4	11.4	2.1	0.5	-1.9	0.3	-8834388	-0.8	
21	435.8	1434.2	12.3	-1	0.2	0.4	0.3	-9560502	-0.3	
21	436.1	1434.3	10.9	-0.7	0.2	-1.6	0.2	-1E+07	-0.3	
21	436.4	1434.1	12.5	-0.2	-0.1	0.1	0	-1.1E+07	-0.5	
21	436.7	1433.9	11.2	1.7	-0.4	-1.2	-0.1	-1.2E+07	0.1	
21	437	1433.6	12.3	0	-0.4	-0.3	-0.3	-1.3E+07	-0.3	
21	437.3	1433.4	11.4	-1.2	-0.7	-0.2	-0.4	-1.3E+07	-0.1	
21	437.6	1433.7	11	-1.5	-0.5	-1.4	-0.4	-1.4E+07	-0.3	
21	437.9	1433.7	12.1	1.2	-0.5	0.2	-0.4	-1.4E+07	-0.1	
21	438.2	1434.1	11.5	1.8	0	-0.9	-0.3	-1.5E+07	-0.2	
21	438.5	1434.2	11.5	-0.2	0	0.6	-0.2	-1.5E+07	0.5	
21	438.8	1434.6	11.1	-0.1	0.6	-0.9	-0.1	-1.6E+07	0.4	
21	439.1	1434.8	12.3	2.2	0.7	1.1	0	-1.7E+07	-0.1	
21	439.4	1434.8	11.9	2.2	0.9	-0.8	-0.1	-1.8E+07	0.1	
21	439.7	1434.9	11.7	1.7	1.2	0.2	-0.2	-1.9E+07	0.3	
21	440	1434.9	11.3	0	1.2	-0.2	-0.3		0.5	
21	440.3	1434.8	12.1	2	1.4	0.3	-0.5		-0.1	
21	440.6	1434.6	12.1	1.3	1.2	0	-0.7		-0.1	
21	440.9	1434.4	11.9	1.4	1.1	-0.1	-0.8		-0.6	
21	441.2	1434.2	12.4	1.2	1	0.5	-1		-0.5	
21	441.5	1434.3	11.1	1.4	1	-1.6	-1		-1	
21	441.8	1434.3	13.4	1.9	0.9	0.9	-1		-1.4	
21	442.1	1434.4	12.2	1.9	0.9	-1	-0.9		-1.7	
21	442.4	1434.3	13.1	1.6	0.7	0.6	-0.7		-1.7	
21	442.7	1434.1	11.3	0.6	0.7	-1.4	-0.7		-1.5	
21	443	1434.2	12.6	0.8	0.7	-0.3	-0.5		-2.1	
21	443.3	1434	11.4	0.2	0.5	-1.4	-0.4		-1.4	
21	443.6	1433.8	11.6	0	0.2	-1.5	-0.3		-1.3	
21	443.9	1433.8	11.1	-1.1	-0.2	-0.6	-0.1		-0.6	
21	444.2	1434	10.3	-0.4	-0.4	-2.3	0.2		-0.3	
21	444.5	1433.8	11.3	-1	-0.8	-0.5	0.3		0.1	
21	444.8	1433.8	10.3	-1.4	-1.1	-1.4	0.6		0.7	
21	445.1	1433.4	10.3	-1.6	-1.6	0	0.7		1.3	
21	445.4	1433.3	9.5	-2.3	-1.9	-1	0.9		1.7	
21	445.7	1433.4	10.8	-2.2	-1.9	0.8	1.1		1.2	
21	446	1433.6	11.2	-0.6	-1.8	0.6	1.3		0.8	
21	446.3	1434	11.2	-1.6	-1.6	0	1.4		0.1	
21	446.6	1434.1	11.3	-1.3	-1.6	0.2	1.4		-0.2	
21	446.9	1434.2	11.6	-1.2	-1.3	-0.4	1.3		-1.1	
21	447.2	1434.3	11.8	-0.9	-1.2	-0.7	1.2		-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	447.5	1434.5	12	0.7	-0.9	-1.3	1.2		-2.2	
21	447.8	1434.4	11.9	-1.1	-0.9	-1.4	1.1		-2.6	
21	448.1	1434.4	11.1	-0.3	-0.7	-2.8	0.9		-2.6	
21	448.4	1434.5	11.2	-1.1	-0.7	-2.6	0.7		-2.7	
21	448.7	1434.6	11.4	0.5	-0.8	-2.5	0.5		-2.3	
21	449	1434.6	11.4	-1.1	-0.7	-2.2	0.3		-2	
21	449.3	1434.6	10.6	-0.6	-0.5	-2	0.2		-1.1	
21	449.6	1434.9	11.4	-0.9	-0.3	-1.3	0.2		-1.1	
21	449.9	1435	12	0.6	-0.1	-1.3	0.1		-1.1	
21	450.2	1435.2	11.9	0.9	0.5	-1.1	0		-0.9	
21	450.5	1435.1	11.7	-0.4	0.6	-0.2	-0.1		-0.4	
21	450.8	1435.4	11	-0.5	0.9	-0.9	0		-0.2	
21	451.1	1435.7	12.1	0.6	1.2	0.8	0		-0.3	
21	451.4	1435.8	12	0.9	1.4	-0.3	0		-0.4	
21	451.7	1435.7	11.5	-0.8	1.3	-0.1	-0.1		-0.2	
21	452	1435.6	11.4	-0.5	1.1	-0.5	-0.1		-0.1	
21	452.3	1435.4	12.4	0.7	1	-0.5	-0.3		-1.1	
21	452.6	1435.1	12.2	0.9	0.7	-1.4	-0.4		-1.5	
21	452.9	1434.8	12	-0.1	0.5	-1.3	-0.4		-1.7	
21	453.2	1434.4	12.3	0.2	0	-0.9	-0.4		-1.6	
21	453.5	1434.3	10.7	-1.2	-0.1	-2.9	-0.4		-1.7	
21	453.8	1434.2	12.4	0	-0.2	-1.2	-0.5		-1.9	
21	454.1	1434.3	12.3	1.2	-0.1	-1.4	-0.4		-2	
21	454.4	1434.3	12.2	-1.2	0	-1.4	-0.4		-2	
21	454.7	1434.4	11.7	-0.5	0.3	-2.5	-0.4		-1.7	
21	455	1434.4	12.4	-0.7	0.4	-1.4	-0.4		-1.9	
21	455.3	1434.3	11.5	0.2	0.6	-2.1	-0.5	-1.8E+07	-1.2	
21	455.6	1434.2	12.2	-0.4	0.7	-1.2	-0.6	-1.7E+07	-0.9	
21	455.9	1434	11.7	0.3	0.6	-0.2	-0.7	-1.7E+07	-0.3	
21	456.2	1434	11.4	-0.2	0.8	-1.3	-0.8	-1.6E+07	-0.1	
21	456.5	1433.9	12	0.9	0.6	-0.4	-0.9	-1.6E+07	0.1	
21	456.8	1433.8	11.9	1.6	0.6	-0.4	-0.9	-1.6E+07	0.1	
21	457.1	1433.6	12.7	1.4	0.3	1.1	-0.9	-1.6E+07	0.2	
21	457.4	1433.6	11.7	1.4	0.2	-0.8	-0.8	-1.6E+07	0.3	
21	457.7	1433.7	12.7	2.4	0.1	1.1	-0.7	-1.6E+07	0	
21	458	1433.7	12.7	3.2	-0.2	-0.2	-0.4	-1.5E+07	0	
21	458.3	1433.9	12.4	1.6	-0.2	0	-0.1	-1.5E+07	-0.2	
21	458.6	1433.9	12.8	1.6	-0.5	0.6	0.2	-1.4E+07	-0.3	
21	458.9	1434	12.7	1.5	-0.3	-0.3	0.4	-1.3E+07	-0.7	
21	459.2	1433.9	12.5	1.2	-0.6	1.3	0.6	-1.3E+07	-0.5	
21	459.5	1434.1	11.9	0.3	-0.3	-2	0.8	-1.2E+07	-1	
21	459.8	1434.1	13.1	1.3	-0.2	1.2	0.9	-1.2E+07	-0.9	
21	460.1	1434.3	11.7	-0.3	0	-2.3	1	-1.1E+07	-1.4	
21	460.4	1434.3	13.7	1.8	0.2	0.4	1	-1E+07	-1.7	
21	460.7	1434.3	12.8	1.7	0.3	-1.1	1	-1E+07	-1.8	
21	461	1434.3	12.4	1.2	0.6	-1.7	0.8	-9517046	-1.9	
21	461.3	1433.9	12.6	1.2	0.5	-1.2	0.6	-9024785	-1.6	
21	461.6	1433.9	9.5	-1.9	1	-4.1	0.1	-8580943	-1.6	
21	461.9	1433.5	13.2	2.6	0.9	0.5	-0.4	-8210785	-1.3	
21	462.2	1433.2	10.4	-1	1	-3.4	-1	-7900944	-1.1	
21	462.5	1432.8	12.5	0.5	0.6	-0.2	-1.4	-7669414	-0.5	
21	462.8	1432.5	10.4	-1.5	0.9	-3	-2	-7504480	-0.1	
21	463.1	1432.2	11.9	0.2	0.9	-0.3	-2.6	-7372359	0.1	
21	463.4	1431.9	11.6	0.6	0.8	-0.8	-2.8	-7295296	0.4	
21	463.7	1431.7	11.6	-0.5	0.9	-0.4	-2.9	-7269965	0.4	
21	464	1431.8	11.5	-0.5	0.8	1.1	-2.6	-7269965	0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	464.3	1432	10.9	-0.6	0.9	-1.7	-2.3	-7244810	-0.3	
21	464.6	1432.4	12.4	1	0.8	0.7	-1.7	-7219828	-0.7	
21	464.9	1432.9	12.7	0.3	0.8	-1.2	-1	-7195017	-1.3	
21	465.2	1433	13	0.8	0.5	0.5	-0.4	-7121599	-1.2	
21	465.5	1433.4	11.9	-0.1	0.5	-1.8	0.2	-7049664	-1.4	
21	465.8	1433.4	13.2	0.9	0.2	-0.6	0.7	-6955980	-1.9	
21	466.1	1433.4	12.2	1.5	-0.1	-1.9	1.1	-6887336	-1.9	
21	466.4	1433.2	12.4	0	-0.4	-1.1	1.2	-6797890	-1.6	
21	466.7	1433.3	11.3	-1	-0.5	-1.5	1.3	-6732315	-1	
21	467	1433.4	11.6	-0.6	-0.5	-1.7	1.3	-6689297	-0.8	
21	467.3	1433.3	12.6	0.9	-0.7	-0.4	1.1	-6667994	-0.6	
21	467.6	1433.3	12.2	-0.2	-0.6	-1.2	0.9	-6625791	-0.4	
21	467.9	1433.2	12.7	1.2	-0.7	0.1	0.7	-6584120	-0.3	
21	468.2	1433.1	12.1	-0.1	-0.4	-1.3	0.4	-6482198	-0.3	
21	468.5	1433	12.8	1.1	-0.2	0.7	0.1	-6363982	-0.4	
21	468.8	1433	12.4	1	0.2	-0.9	-0.1	-6194527	-0.4	
21	469.1	1432.9	12.7	0.7	0.2	0.4	-0.4	-5999284	-0.6	
21	469.4	1432.7	12.6	0.7	0.2	-0.2	-0.6	-5815972	-0.6	
21	469.7	1432.9	12.2	-0.5	0.5	-0.8	-0.7	-5628360	-0.9	
21	470	1432.9	13.1	1.4	0.6	0.1	-0.9	-5438312	-0.9	
21	470.3	1432.9	12.8	0.1	0.5	-0.9	-1	-5247494	-1	
21	470.6	1432.8	13.1	0.4	0.3	-0.2	-1	-5069613	-0.9	
21	470.9	1432.9	11.3	-1.1	0.5	-2	-1.1	-4914906	-1	
21	471.2	1432.7	13.4	0.6	0.2	0.5	-1.2	-4813219	-1	
21	471.5	1432.9	12.1	-0.6	0.4	-1.5	-1.2	-4736991	-1.1	
21	471.8	1432.7	12.9	0.4	0.3	0.1	-1.2	-4694507	-0.7	
21	472.1	1432.8	11.5	-0.4	0.3	-0.9	-1.1	-4684005	-0.5	
21	472.4	1433.1	12	-1.1	0.6	-0.6	-1.1	-4715653	-0.7	
21	472.7	1433.5	12.8	1.1	1	-0.7	-1	-4769363	-0.8	
21	473	1433.8	12.8	-0.9	1.2	-0.3	-0.9	-4869186	-0.8	
21	473.3	1434	11.9	-0.9	1.2	0.2	-0.7	-5020984	0.1	
21	473.6	1434.3	11.4	-1	1.5	-1.6	-0.5	-5169753	-0.4	
21	473.9	1434.4	12.4	-0.2	1.5	0.1	-0.5	-5300633	-0.4	
21	474.2	1434.5	11.7	2.2	1.7	-1.4	-0.5	-5410207	-0.4	
21	474.5	1434.3	11.7	-1.5	1.3	0.4	-0.5	-5495407	0.3	
21	474.8	1434.4	10.7	0.3	1.4	-1.8	-0.5	-5509869	-0.1	
21	475.1	1434.2	12.5	0	1.1	0.2	-0.7	-5438312	-0.5	
21	475.4	1434.2	11.6	1.2	1	-1.6	-0.8	-5300633	-0.3	
21	475.7	1434	12.4	0.5	1	-0.1	-1	-5094283	-0.4	
21	476	1433.9	11.7	0.1	0.7	-0.3	-1	-4835451	0.3	
21	476.3	1433.9	11.8	0.2	0.8	-0.6	-1.2	-4561547	-0.1	
21	476.6	1433.9	12.6	1.1	0.8	0.3	-1.2	-4299282	0.1	
21	476.9	1434.1	11.6	0.7	1	-0.6	-1.1	-4049807	-0.2	
21	477.2	1433.8	12.7	0.3	0.6	1.2	-1	-3806819	0.1	
21	477.5	1434	10.8	-1.9	1.2	-1.8	-1	-3591338	-0.3	
21	477.8	1434.1	13	0	1.3	0.6	-0.9	-3404472	-0.8	
21	478.1	1434.1	12.3	0.4	1.6	-1.6	-0.9	-3251165	-1.1	
21	478.4	1434.1	13.2	0	1.7	-0.5	-0.7	-3134357	-1.4	
21	478.7	1434.2	12.2	0	1.9	-1.6	-0.7	-3047672	-1.9	
21	479	1434.1	13.2	0.8	1.8	-1.1	-0.7	-2986805	-2.4	
21	479.3	1434.2	12.4	1.1	1.5	-1.8	-0.5	-2957275	-2.1	
21	479.6	1434	12.5	0.9	1.1	-2.1	-0.4	-2944797	-2	
21	479.9	1433.5	12.2	-0.4	0.3	-0.5	-0.4	-2953103	-1.4	
21	480.2	1433.2	11.6	-0.6	-0.2	-2	-0.4	-2974077	-1.1	
21	480.5	1432.8	13.3	0.6	-0.7	0.7	-0.4	-3012590	-1.1	
21	480.8	1432.2	12.9	0.8	-1.5	-0.5	-0.3	-3043242	-0.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	481.1	1432	12	-0.8	-2	0.6	-0.1	-3061039	0.7	
21	481.4	1432	11.3	-1.1	-1.8	0.1	-0.1	-3070015	1.3	
21	481.7	1432.3	12.5	-0.2	-1.4	1.6	-0.3	-3052114	1.2	
21	482	1432.8	12.5	-0.1	-0.7	1.5	-0.5	-3025651	1.5	
21	482.3	1433.2	11.9	-0.3	0.1	1.1	-0.7	-2978308	1.6	
21	482.6	1433.5	12	-1.1	0.7	1.7	-0.9	-2928322	1.7	
21	482.9	1433.7	10.8	-2	1.3	-1.2	-1.1	-2872086	1.2	
21	483.2	1433.9	12.4	-0.7	1.9	0.8	-1.3	-2814181	0.9	
21	483.5	1434	12.1	0.8	2.5	-0.3	-1.6	-2758564	0.6	
21	483.8	1433.7	11.9	-1.5	2.4	1	-1.9	-2705104	0.5	
21	484.1	1433.8	11.9	-0.2	2.4	-1.3	-1.8	-2663805	0.1	
21	484.4	1434	12.5	-0.4	2.2	0.2	-1.7	-2630340	-0.5	
21	484.7	1434.1	12.6	1.1	2.1	-1.1	-1.6	-2604167	-0.8	
21	485	1434.3	12.5	0.5	2	-0.8	-1.5	-2584877	-1.2	
21	485.3	1434.2	13.2	0.4	1.8	-0.2	-1.4	-2572175	-1.4	
21	485.6	1434.4	12.2	-0.6	2	-2.3	-1.4	-2556472	-1.9	
21	485.9	1434.2	14	2.1	1.7	-0.2	-1.5	-2550244	-2	
21	486.2	1434.4	11.5	0.1	2	-3	-1.5	-2537879	-2.3	
21	486.5	1434.1	14.1	1.7	1.8	-0.1	-1.6	-2522591	-2.1	
21	486.8	1434.2	11.1	-0.6	1.9	-3.2	-1.7	-2498509	-2.1	
21	487.1	1434.1	14	2.3	2	-0.4	-2	-2463236	-2.2	
21	487.4	1434	12.2	1.5	1.9	-2.4	-2.2	-2428945	-1.7	
21	487.7	1433.9	13.3	0.8	1.8	-0.1	-2.3	-2395596	-1.5	
21	488	1433.7	12.8	1.2	1.4	-0.5	-2.2	-2357827	-0.8	
21	488.3	1433.9	12.4	0	1.3	-0.1	-2	-2323808	-0.6	
21	488.6	1434	12.5	0.8	1.1	0.2	-1.8	-2290756	-0.3	
21	488.9	1433.9	12.3	0.5	0.9	-0.7	-1.5	-2263514	0.1	
21	489.2	1434	11.8	-0.8	0.8	1.2	-1.1	-2239306	0.8	
21	489.5	1434.2	11.8	0.2	1	-1	-0.9	-2215609	0.4	
21	489.8	1434.3	13.2	0.5	0.8	2.6	-0.5	-2192409	0.5	
21	490.1	1434.5	10.6	-0.2	0.9	-2.3	-0.4	-2169690	0	
21	490.4	1434.6	12.8	-0.2	0.8	1.5	-0.1	-2147437	0.9	
21	490.7	1434.9	9.7	-2.6	1.2	-2.9	-0.3	-2127795	0.5	
21	491	1435	12.6	-0.6	1.7	0.5	-0.7	-2104272	0.1	
21	491.3	1434.8	12.1	-0.1	1.7	0	-1	-2077134	0.2	
21	491.6	1434.5	11.8	-1.4	2	-1	-1.6	-2052697	-0.3	
21	491.9	1434.1	12.5	0.1	1.8	0.5	-1.8	-2032768	0.2	
21	492.2	1434.1	10.1	-2.4	2.2	-2.7	-2.2	-2019046	-0.2	
21	492.5	1434	12.6	0.4	1.9	1.2	-2.3	-2011288	-0.2	
21	492.8	1434.1	11.6	0	2.1	-2	-2.4	-2009358	-0.3	
21	493.1	1434	13.8	0.5	1.9	2.5	-2.4	-2011288	-0.1	
21	493.4	1434.1	11.9	-1	2	-1.6	-2.2	-2019046	0.1	
21	493.7	1434.3	12.4	0.4	2	0.3	-2	-2032768	-0.4	
21	494	1434.3	13.2	1.9	1.9	-0.3	-1.7	-2050686	-0.5	
21	494.3	1434.1	12.6	0.1	1.9	-1.2	-1.5	-2066881	-0.5	
21	494.6	1434	12	-0.5	1.8	-0.1	-1.3	-2077134	0	
21	494.9	1434.3	11.9	0	2.1	-1.3	-1.1	-2083334	-0.6	
21	495.2	1434.1	13.9	1.9	1.7	1.4	-1.1	-2085409	-0.9	
21	495.5	1434	12.7	1.9	2	-2.5	-1.3	-2083334	-1.4	
21	495.8	1433.6	14.6	2.2	1.4	1.7	-1.2	-2081263	-0.9	
21	496.1	1433.8	11.3	-0.8	1.8	-2.9	-1.4	-2083334	-1.3	
21	496.4	1433.6	14.2	2.3	1.7	0	-1.7	-2087488	-2	
21	496.7	1433.4	14.1	2.2	1.8	-0.9	-2	-2095847	-2.1	
21	497	1432.9	14	1.5	1.7	-0.3	-2.3	-2108510	-1.8	
21	497.3	1432.6	12.7	0.1	1.2	-0.9	-2.2	-2129960	-0.9	
21	497.6	1432.8	11.6	-0.9	1.5	-3	-2.2	-2158506	-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	497.9	1432.5	13.8	0.6	1.3	0.7	-2.3	-2190116	-0.7	
21	498.2	1432.6	12.2	0	1.4	-1.9	-2.2	-2220308	-0.4	
21	498.5	1432.5	13.4	-0.6	1	2	-2	-2241703	0.6	
21	498.8	1432.8	11.3	-0.2	1.3	-1.1	-1.8	-2253768	0.7	
21	499.1	1433	13.2	-0.9	1.3	1.4	-1.7	-2258631	0.5	
21	499.4	1433	13	1.9	1.3	0.8	-1.5	-2253768	1	
21	499.7	1433	13.5	-0.5	1.3	2.6	-1.4	-2244106	0.9	
21	500	1432.8	13.2	1	1	2.6	-1.4	-2222665	1.1	
21	500.3	1433	12.2	-1.1	1.3	0.3	-1.4	-2197010	0.2	
21	500.6	1433.2	12.9	0.1	1.3	1.2	-1.3	-2167444	-0.2	
21	500.9	1433.3	12.6	0.2	1.5	-0.4	-1.4	-2147437	-0.6	
21	501.2	1433.1	12	-0.5	1	1	-1.4	-2140849	0	
21	501.5	1433.4	10.5	-1.8	1.3	-2.5	-1.3	-2140849	-0.5	
21	501.8	1433.5	12.3	0.5	1.3	0.2	-1.3	-2154065	-0.9	
21	502.1	1433.6	10.9	-0.9	1.3	-2.5	-1.2	-2174196	-0.6	
21	502.4	1433.7	11.8	-1.4	1.4	-1.3	-1.1	-2203948	-0.5	
21	502.7	1433.7	10.3	-0.3	1.3	-1.8	-1	-2236913	0.1	
21	503	1433.8	10.8	-2	1.3	-1.7	-1	-2270879	-0.1	
21	503.3	1433.9	11.5	1.8	1.1	-0.6	-0.9	-2310983	0.1	
21	503.6	1434.1	10.6	-2	1.4	-2	-0.9	-2344626	-0.1	
21	503.9	1433.7	11.8	-0.3	1	0.1	-1	-2371178	0.1	
21	504.2	1434	9.4	-2.4	1.2	-3.1	-1	-2390126	-0.1	
21	504.5	1434	12.2	-0.3	1.2	0.5	-1.2	-2406610	-0.4	
21	504.8	1433.9	12	1.9	1	-0.9	-1.3	-2420521	-0.5	
21	505.1	1433.8	12.2	-0.4	1	0	-1.4	-2431766	-0.5	
21	505.4	1433.8	11.8	0.2	1.1	-0.4	-1.5	-2443116	-0.5	
21	505.7	1434	11.9	-1.9	1.2	-0.9	-1.5	-2460341	-1.1	
21	506	1434.1	13	1.1	1	0	-1.4	-2474882	-1.4	
21	506.3	1434.1	13.1	0.7	1.2	-0.8	-1.3	-2495531	-1.6	
21	506.6	1434.2	12.6	-0.6	1	0	-1.2	-2522591	-1.6	
21	506.9	1434.5	11.7	-0.9	1.3	-2.1	-1.1	-2553354	-1.7	
21	507.2	1434.6	13	1	1.2	0.2	-1	-2594486	-2	
21	507.5	1434.7	13.1	1.2	1.3	-1.5	-0.9	-2630340	-2.1	
21	507.8	1434.7	12.7	-1.2	1.4	-0.9	-0.9	-2670600	-2	
21	508.1	1434.7	12	-0.7	1.3	-2	-0.9	-2715630	-1.7	
21	508.4	1434.8	12.7	-1.9	1.6	-1.3	-1.1	-2769511	-2.1	
21	508.7	1434.7	12.7	1.4	1.8	-1.9	-1.3	-2821766	-2.2	
21	509	1434.8	12.6	-1.6	1.9	-1.7	-1.3	-2876031	-2.1	
21	509.3	1434.7	12.1	-2	1.7	-0.8	-1.3	-2928322	-1.1	
21	509.6	1434.9	9.6	-4.4	2	-4	-1.3	-2978308	-1.1	
21	509.9	1434.8	12.8	0.1	1.8	0.4	-1.4	-3025651	-1.2	
21	510.2	1434.7	11.5	-0.1	1.8	-2.4	-1.5	-3079045	-1.2	
21	510.5	1434.5	12.8	-1	1.4	1.1	-1.4	-3129672	-0.9	
21	510.8	1434.5	10.9	-1.3	1.3	-2.2	-1.2	-3172349	-0.6	
21	511.1	1434.3	11.7	-1.7	0.8	0.3	-1	-3216206	-0.8	
21	511.4	1434.2	11.9	0.6	0.6	-0.9	-1	-3256221	-0.9	
21	511.7	1434.1	12	-1.2	0.5	-0.9	-1	-3286892	-1	
21	512	1433.9	12	-1	0.2	0.8	-0.9	-3318146	-0.5	
21	512.3	1434.2	9.4	-4.1	0.5	-3.2	-0.9	-3344649	-0.9	
21	512.6	1434.1	12.7	-0.5	0.4	1.2	-0.9	-3360755	-0.9	
21	512.9	1434.3	9.7	-2.5	0.8	-3.6	-1	-3371579	-1.2	
21	513.2	1434	12.3	-0.6	0.3	1.4	-0.8	-3382472	-0.3	
21	513.5	1434.3	8.5	-4.1	1	-3.4	-0.9	-3387945	-0.5	
21	513.8	1434.4	11.2	-0.8	1.2	-0.8	-1	-3393436	-0.9	
21	514.1	1434.4	11.7	1.2	1.3	-0.8	-1	-3398945	-0.8	
21	514.4	1434.3	11.9	-0.4	1.4	-0.4	-0.9	-3404472	-0.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	514.7	1434.3	10.7	-0.2	1.1	0.3	-0.8	-3426760	-0.1	
21	515	1434.5	9.8	-2	1.1	-2.5	-0.7	-3460744	0.1	
21	515.3	1434.5	11.4	1.1	0.9	0.8	-0.7	-3501255	0.6	
21	515.6	1434.5	10.3	-0.5	0.9	-1.7	-0.7	-3548729	1	
21	515.9	1434.1	11.1	-0.4	0.3	1.2	-0.7	-3597509	1.3	
21	516.2	1434.1	10.3	-0.3	0.2	-0.5	-0.7	-3641305	1.5	
21	516.5	1434	11.4	-0.4	0.1	0.3	-0.8	-3679702	1.5	
21	516.8	1433.8	11.4	2	0.2	0.1	-1	-3705753	1.6	
21	517.1	1433.8	11.3	-0.9	0.2	0.8	-1	-3732175	1.6	
21	517.4	1434.1	12.1	0.1	0.6	1.8	-1.1	-3745528	1.6	
21	517.7	1434.4	12.8	0.6	0.8	1.9	-1	-3745528	0.6	
21	518	1434.5	13.7	1.9	1	2.3	-1	-3745528	0	
21	518.3	1434.7	13.8	1.9	1.3	1	-0.7	-3758977	-0.6	
21	518.6	1434.7	13.4	0.4	1.3	0.7	-0.6	-3786167	-1	
21	518.9	1435	13.5	0.4	1.6	-0.1	-0.4	-3841744	-1.5	
21	519.2	1435	13.9	1.3	1.8	0.6	-0.4	-3898976	-1.9	
21	519.5	1435	13.5	1.8	1.8	-0.6	-0.3	-3965436	-2.2	
21	519.8	1434.8	14	1	1.5	-0.3	-0.3	-4049807	-2	
21	520.1	1434.7	11.7	-1.4	1.2	-2.6	-0.2	-4162525	-1.7	
21	520.4	1434.5	12.5	-0.2	0.9	-1.8	-0.3	-4308128	-1.5	
21	520.7	1434.1	13.3	1.3	0.5	-1	-0.4	-4473825	-1.4	
21	521	1433.9	13	0.3	0.3	-1.1	-0.5	-4642462	-1.3	
21	521.3	1433.5	12.7	0	-0.2	-0.9	-0.6	-4813219	-0.9	
21	521.6	1433.4	11.5	-1.1	-0.2	-2.1	-0.7	-4997017	-0.7	
21	521.9	1433.2	12.6	0.5	-0.5	0	-0.7	-5182550	-0.6	
21	522.2	1433.2	12.5	2.9	-0.6	-1.1	-0.7	-5341199	-0.5	
21	522.5	1433.1	12.4	-0.4	-0.7	0.2	-0.8	-5452474	-0.4	
21	522.8	1433.3	11.8	0.3	-0.4	-0.7	-0.8	-5524407	-0.2	
21	523.1	1433.3	11.9	-0.9	-0.2	-0.7	-0.8	-5568484	-0.2	
21	523.4	1433.4	12.2	1.3	0	-0.2	-0.8	-5539021	-0.2	
21	523.7	1433.6	11.9	0.2	0.4	-0.4	-0.8	-5481021	-0.2	
21	524	1433.5	12	0.1	0.4	0.7	-0.9	-5438312	-0.2	
21	524.3	1433.8	10.6	-1.4	1	-1.3	-0.9	-5396263	-0.3	
21	524.6	1434.2	12.3	0.3	1.2	0.9	-0.8	-5354860	-0.4	
21	524.9	1434.5	11.8	2.4	1.5	-0.3	-0.7	-5341199	-0.4	
21	525.2	1434.5	12.1	-0.6	1.5	0.4	-0.7	-5368590	-0.5	
21	525.5	1434.6	11.5	1.8	1.7	-0.5	-0.7	-5410207	-0.6	
21	525.8	1434.6	11.4	-0.9	1.6	-0.3	-0.7	-5481021	-0.7	
21	526.1	1434.5	11.6	3.1	1.4	-0.8	-0.7	-5568484	-0.7	
21	526.4	1434.5	10.8	-0.4	1.4	-1.4	-0.7	-5674120	-0.8	
21	526.7	1434.2	10.7	-1	1.1	-0.2	-0.8	-5799862	-0.4	
21	527	1434.4	9.5	-2.4	1	-2.2	-0.7	-5982143	-0.3	
21	527.3	1434.3	11.1	0.4	0.8	-0.2	-0.8	-6158088	-0.3	
21	527.6	1434.1	10.6	0.8	0.7	-1.2	-0.9	-6383384	-0.2	
21	527.9	1433.9	10.8	-0.6	0.4	-0.2	-0.9	-6604890	0.2	
21	528.2	1434	9.8	-0.5	0.4	-1.1	-0.7	-6842320	0.5	
21	528.5	1434	11.5	0.4	0.3	0.9	-0.7	-7049664	0.1	
21	528.8	1434.2	10.9	0.6	0.3	-0.3	-0.5	-7244810	0.1	
21	529.1	1434	10.4	-1	0.3	-0.6	-0.5	-7398410	0.1	
21	529.4	1433.9	10.5	-0.9	0.2	0.3	-0.4	-7531475	0.5	
21	529.7	1434.1	10.3	-1	0.2	-0.7	-0.2	-7613637	0.1	
21	530	1434.1	11.1	-1	0.2	0.2	0	-7669414	-0.1	
21	530.3	1434.1	11	-1.8	0.1	-0.4	0.2	-7697610	-0.2	
21	530.6	1434	11.4	-2.3	-0.2	0.3	0.4	-7754630	-0.1	
21	530.9	1434.2	9.9	-3.9	0	-2.2	0.5	-7783457	-0.3	
21	531.2	1434.2	11.8	-1.6	-0.2	0	0.6	-7812500	-0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	531.5	1434.1	11.4	-2.1	-0.4	-0.7	0.6	-7841760	-0.6	
21	531.8	1433.8	11.9	-2	-0.6	0	0.5	-7871241	-0.6	
21	532.1	1433.8	11.1	-2.4	-0.6	-0.5	0.3	-7871241	-0.7	
21	532.4	1433.7	11	-3	-0.5	-1.3	-0.1	-7841760	-1.2	
21	532.7	1433.7	11.7	0	-0.5	-0.9	-0.4	-7812500	-1.4	
21	533	1433.6	12.2	-0.3	-0.2	-0.7	-0.7	-7783457	-1.7	
21	533.3	1433.5	12	-1.3	-0.1	-0.2	-1	-7754630	-1.7	
21	533.6	1433.5	11.8	-1.2	0.3	-1.4	-1.3	-7783457	-1.8	
21	533.9	1433.8	12.6	-0.1	0.6	-0.4	-1.3	-7871241	-1.8	
21	534.2	1434	12.1	0.6	1.1	-1.3	-1.3	-8022031	-1.7	
21	534.5	1434.1	11.5	-1.1	1.2	-0.6	-1.2	-8178711	-1	
21	534.8	1434.6	11.2	-1.3	1.6	-0.5	-0.9	-8308532	-0.4	
21	535.1	1435.1	11.5	-0.9	1.6	-0.1	-0.5	-8408635	-0.2	
21	535.4	1435	10.9	-0.9	1.4	-0.8	-0.4	-8545919	0.4	
21	535.7	1435	11.1	-0.8	1.4	0	-0.2	-8687760	0.5	
21	536	1434.8	11.1	-1.1	1	0.3	-0.1	-8834388	0.7	
21	536.3	1434.8	11.1	-0.8	0.8	-0.6	0	-8986052	0	
21	536.6	1434.6	11.5	-0.5	0.7	-0.3	0	-9183114	-0.4	
21	536.9	1434.5	11.2	0.6	0.6	-0.8	0.1	-9517046	-0.6	
21	537.2	1434.2	11.6	-0.7	0.1	-0.3	0	-9876179	-0.7	
21	537.5	1434.3	11.1	-0.7	0	-1.1	0.1	-1E+07	-0.8	
21	537.8	1434.3	11.9	-0.2	-0.1	-0.2	0.1	-1.1E+07	-1.2	
21	538.1	1434.2	11.3	-0.2	-0.3	-1.3	0.1	-1.2E+07	-1	
21	538.4	1434.3	11.1	-0.3	-0.2	-1	0.2	-1.3E+07	-0.8	
21	538.7	1434.1	10.8	-0.8	-0.5	-0.9	0.2	-1.4E+07	-0.1	
21	539	1433.8	10.7	-0.1	-0.6	-1	0.2	-1.5E+07	-0.1	
21	539.3	1433.6	11.3	0.6	-0.8	-0.3	0.1	-1.6E+07	0	
21	539.6	1433.6	11.2	1.7	-0.5	-0.5	0	-1.8E+07	0.1	
21	539.9	1433.4	11.4	0.3	-0.6	0.3	-0.1	-2E+07	0.4	
21	540.2	1433.5	10.8	0.2	-0.4	-0.9	-0.1		0.2	
21	540.5	1433.7	12.1	1.3	-0.2	0.9	-0.1		-0.1	
21	540.8	1433.8	11.6	1.8	0	-0.5	-0.3		-0.3	
21	541.1	1433.9	12.2	0.7	0.2	0.4	-0.4		-0.4	
21	541.4	1433.9	11.6	0.7	0.2	0	-0.5		-0.2	
21	541.7	1434.1	12.1	1.7	0.6	-0.4	-0.6	-1.8E+07	-0.9	
21	542	1434	12	1.5	0.6	-0.4	-0.7	-1.5E+07	-1.3	
21	542.3	1433.9	11.9	1.6	0.8	-1.4	-0.8	-1.3E+07	-1.4	
21	542.6	1433.6	11.9	0.8	0.6	-0.3	-0.9	-1.1E+07	-1.1	
21	542.9	1433.8	11	0	0.8	-1.9	-0.9	-1E+07	-1.2	
21	543.2	1433.8	12.5	1.1	0.7	0.3	-0.9	-9143013	-1.5	
21	543.5	1434.1	12	2.1	0.7	-1.2	-0.7	-8545919	-1.3	
21	543.8	1434.6	12.2	0.4	1	-0.6	-0.5	-8341634	-1.2	
21	544.1	1434.6	12	0.6	0.8	-0.7	-0.4	-8511179	-0.7	
21	544.4	1434.7	11.1	-0.8	0.8	-1.5	-0.4	-9063853	-0.7	
21	544.7	1434.4	12.3	1.2	0.4	0.3	-0.4	-1E+07	-0.3	
21	545	1434.3	11.4	0.4	0.6	-1.4	-0.4	-1.2E+07	-0.1	
21	545.3	1434.1	11.3	-0.4	0	0.6	-0.3	-1.4E+07	0.7	
21	545.6	1434.2	9.8	-2.4	0.3	-2.3	-0.3	-1.7E+07	0.5	
21	545.9	1434.2	11.7	-0.3	0	0.3	-0.3		0.3	
21	546.2	1434.2	11.6	-0.2	-0.2	-0.7	-0.3		0.4	
21	546.5	1434.3	11.9	-0.7	-0.3	0	-0.2		0.5	
21	546.8	1434.5	11.8	-0.3	-0.4	0.3	0		0.9	
21	547.1	1434.8	11.5	0	-0.1	-0.8	0.1		0.4	
21	547.4	1434.7	13.5	2.3	-0.4	1.2	0.2		0.3	
21	547.7	1434.9	11.9	0.4	-0.3	-0.9	0.3		0.1	
21	548	1434.7	12.7	1.8	-0.6	1	0.4		0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	548.3	1434.9	11.3	0.2	-0.5	-1.6	0.5		0	
21	548.6	1434.8	13.2	2.1	-0.6	1.1	0.6		-0.5	
21	548.9	1435.1	12.9	1.8	-0.2	-0.9	0.7		-0.9	
21	549.2	1435.1	13.7	2.2	-0.3	0.6	0.7	-2E+07	-1.2	
21	549.5	1435.3	13.2	2	-0.1	-0.8	0.8	-1.6E+07	-1.4	
21	549.8	1435.5	13.8	2.2	0.3	-0.7	0.8	-1.4E+07	-2	
21	550.1	1435.6	14.5	3.4	0.4	-0.6	0.8	-1.2E+07	-2.4	
21	550.4	1435.6	14.6	2.7	0.7	-0.8	0.8	-1.1E+07	-2.8	
21	550.7	1435.5	14.2	2.9	0.7	-0.5	0.8	-1E+07	-2.3	
21	551	1435.4	11.6	0.5	1.4	-4.4	0.3	-9517046	-2.6	
21	551.3	1435	13.9	3.1	1.4	-1.3	-0.4	-9223568	-2.1	
21	551.6	1434.9	12	1.3	1.7	-3.7	-1	-9063853	-1.7	
21	551.9	1434.3	13.7	2.4	1.4	-0.3	-1.6	-9103261	-0.6	
21	552.2	1434.1	11.5	0.3	1.4	-2.3	-2	-9347098	-0.2	
21	552.5	1433.9	13.6	2.2	1.4	0.4	-2.5	-9783879	-0.1	
21	552.8	1433.4	12.5	1.7	1	-0.5	-2.8	-1E+07	0.9	
21	553.1	1433.1	13.6	1.5	0.9	1.4	-2.8	-1.1E+07	1.1	
21	553.4	1432.7	13.5	1.9	0.6	3.4	-2.6	-1.2E+07	1.8	
21	553.7	1432.9	13.4	1.2	0.4	1.9	-1.9	-1.2E+07	1.2	
21	554	1433.3	14.3	2.7	-0.2	4.6	-0.8	-1.3E+07	1	
21	554.3	1433.7	13.7	1.6	-0.2	0.6	0.2	-1.3E+07	0.6	
21	554.6	1433.9	13.5	1.5	-0.7	1.9	1.1	-1.3E+07	0.5	
21	554.9	1434.4	11.6	-0.3	-0.5	-1.2	1.8	-1.2E+07	0.4	
21	555.2	1434.7	13.1	1.2	-0.6	0.9	2.4	-1.2E+07	0	
21	555.5	1434.4	12.4	1.4	-1	-1.6	2.7	-1.2E+07	-0.2	
21	555.8	1434	12.2	-0.3	-1	-1.6	2.7	-1.2E+07	-0.2	
21	556.1	1433.7	11.5	-0.5	-1.3	-2.3	2.5	-1.2E+07	0	
21	556.4	1433.7	9.5	-2.7	-1.1	-4.5	1.9	-1.2E+07	-0.3	
21	556.7	1433.2	13.8	1.8	-1.2	0	1.3	-1.2E+07	-0.3	
21	557	1432.8	12.6	1.5	-0.9	-1.4	0.7	-1.2E+07	-0.8	
21	557.3	1432.3	12.8	0.5	-1	0.2	0.2	-1.2E+07	-0.8	
21	557.6	1432.3	11.9	0.5	-0.6	-1.5	-0.3	-1.2E+07	-1.4	
21	557.9	1432.2	14.1	2.8	-0.4	0.7	-0.8	-1.2E+07	-2.1	
21	558.2	1432	13.6	3.8	0	-0.6	-1.3	-1.2E+07	-2.3	
21	558.5	1432.1	14.3	2.6	0	1	-1.5	-1.2E+07	-2.4	
21	558.8	1432.4	13.2	1.6	0	0.6	-1.5	-1.1E+07	-1.9	
21	559.1	1432.4	13.4	1.5	0.3	-1.3	-1.7	-1.1E+07	-2.1	
21	559.4	1432.1	12.9	1.1	0.3	-0.9	-2	-9922986	-1.3	
21	559.7	1431.9	11.9	0.4	0.6	-2.2	-2.2	-9264381	-1.2	
21	560	1431.7	10.9	-2.6	0.2	-0.6	-2.2	-8616255	0.1	
21	560.3	1432.3	10.3	-1.6	0.8	-2.7	-2.1	-8052885	0.1	
21	560.6	1432.6	11.6	-1.1	0.9	-0.2	-1.9	-7531475	0.3	
21	560.9	1433.5	10.4	-0.9	1.3	-2.8	-1.5	-7121599	0.2	
21	561.2	1434.2	11.9	-1.3	1.4	-0.6	-1.1	-6887336	0.1	
21	561.5	1434.4	11.5	-1.4	1.6	-1.1	-0.9	-6820033	0.3	
21	561.8	1434.8	12.4	-1.3	1.8	-0.2	-0.5	-6910066	-0.4	
21	562.1	1434.7	13.1	-0.1	1.3	0.7	-0.1	-7145905	-0.6	
21	562.4	1435	11.3	-2.5	1.6	-1.2	0.2	-7531475	-1	
21	562.7	1434.9	12.1	-2.4	1	0.9	0.4	-8115310	-0.1	
21	563	1435.3	10.7	-3.9	1.3	-1.6	0.5	-8947650	-0.6	
21	563.3	1435.3	12.5	-1.7	1	1.5	0.2	-9970238	-0.9	
21	563.6	1435.3	12	0.4	0.9	-0.8	0	-1.1E+07	-0.5	
21	563.9	1435.1	12.5	-1.4	0.7	0.9	-0.2	-1.2E+07	-0.3	
21	564.2	1434.9	11.6	-0.4	0.6	-0.6	-0.4	-1.2E+07	0.2	
21	564.5	1435	11.7	-2	0.8	0.2	-0.5	-1.2E+07	0	
21	564.8	1434.7	12.1	0.6	0.4	0.6	-0.7	-1.1E+07	0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	565.1	1434.7	11.9	-1.7	0.4	-0.7	-0.7	-1E+07	-0.1	
21	565.4	1434.3	11.7	-0.8	-0.1	1.1	-0.7	-9103261	0.5	
21	565.7	1434.7	9.8	-3.8	0.2	-2.7	-0.5	-8052885	0.2	
21	566	1434.6	12.6	-0.9	-0.1	1.6	-0.4	-7219828	0	
21	566.3	1434.8	11.1	-2.3	0.2	-2.4	-0.1	-6563480	-0.1	
21	566.6	1434.6	12.5	-1.8	-0.3	1.6	0.2	-6104228	0.4	
21	566.9	1434.8	9.9	-3.8	0	-2.7	0.3	-5767907	0.1	
21	567.2	1435	12	-1.5	0.2	0.2	0.3	-5509869	-0.5	
21	567.5	1435	12.9	1.3	0.3	-0.5	0.3	-5341199	-0.8	
21	567.8	1434.9	11.6	-1.5	0.5	-1.3	0.2	-5234375	-1.3	
21	568.1	1434.7	13	0.6	0.3	0.7	0.2	-5169753	-1.2	
21	568.4	1434.8	10	-2.2	0.6	-3.9	0	-5169753	-2	
21	568.7	1434.4	14.4	2.9	0.3	1.1	-0.3	-5195410	-2.4	
21	569	1434.5	11.1	1.6	0.7	-4.2	-0.5	-5234375	-2.9	
21	569.3	1434	13.6	-0.2	0.2	0.6	-0.7	-5314087	-2.3	
21	569.6	1434.3	10.4	-2.2	0.4	-4.2	-0.7	-5466710	-2.1	
21	569.9	1434.2	13.4	0.6	0.4	-0.9	-0.9	-5689538	-2.1	
21	570.2	1434.2	11.6	-0.3	0.3	-1.7	-0.9	-5982143	-1.1	
21	570.5	1433.8	12.4	-1.7	0.1	-1.1	-1	-6306476	-0.4	
21	570.8	1433.9	11.2	-2.4	-0.2	0.4	-0.8	-6625791	0.9	
21	571.1	1434	10.7	-3.6	0.1	-1.6	-0.7	-6887336	1.3	
21	571.4	1434	12.3	-0.9	-0.1	2.5	-0.7	-7073480	2.2	
21	571.7	1434.1	11.5	-1.9	0.3	0.3	-0.6	-7219828	2.5	
21	572	1434.1	13	0.1	0.1	4.4	-0.6	-7244810	2.7	
21	572.3	1434.4	11.6	-0.3	0.5	0.7	-0.5	-7145905	2.2	
21	572.6	1434.7	12.8	1.9	0.8	3.1	-0.5	-6955980	1.7	
21	572.9	1434.8	13.2	2.9	1.1	1.3	-0.4	-6754032	1	
21	573.2	1434.9	13.4	1.8	1.2	1.8	-0.4	-6542969	0.1	
21	573.5	1434.9	12.8	2.4	1.2	0.7	-0.4	-6422546	-0.1	
21	573.8	1435	12.9	1	1.4	-0.3	-0.4	-6383384	-1.4	
21	574.1	1434.8	13.8	2.3	1	-0.3	-0.4	-6402905	-1.8	
21	574.4	1434.8	12.2	-0.2	0.9	-2.7	-0.2	-6462192	-2.1	
21	574.7	1434.6	12.8	-0.3	0.6	-0.7	-0.1	-6542969	-1.5	
21	575	1434.6	11.2	-0.1	0.5	-3.5	-0.1	-6667994	-2.2	
21	575.3	1434.3	13.4	1.3	0.3	-1	-0.2	-6775890	-2.4	
21	575.6	1434.2	12.2	1.5	0.4	-3.1	-0.3	-6842320	-1.9	
21	575.9	1434.2	13.3	0.8	0.3	-0.1	-0.3	-6864754	-1.5	
21	576.2	1434.1	11.4	-0.6	0.5	-2.6	-0.4	-6842320	-0.9	
21	576.5	1434.3	13.1	0.6	1	-0.2	-0.5	-6754032	-1.2	
21	576.8	1434.1	12.7	1.1	1.2	-0.7	-0.7	-6604890	-0.7	
21	577.1	1433.8	12.4	0.7	1.3	-0.2	-1	-6442308	-0.4	
21	577.4	1433.7	12.2	0.1	1.2	0.2	-1	-6287538	0.5	
21	577.7	1433.7	10.8	-1.1	1.3	-1.6	-1.1	-6104228	0.2	
21	578	1433.3	13.5	1.8	1	1.9	-1.3	-5931303	0.2	
21	578.3	1433.4	11.1	1.3	1.1	-1.9	-1.3	-5736302	0.1	
21	578.6	1432.9	13.4	0.8	0.5	2.6	-1.3	-5568484	0.3	
21	578.9	1432.9	10.4	-0.7	0.4	-2.3	-1.2	-5424223	0.1	
21	579.2	1432.4	13.2	0.7	-0.2	1.5	-1.1	-5273930	0	
21	579.5	1432.4	11.5	1.6	-0.2	-1	-0.9	-5119193	-0.2	
21	579.8	1432.4	13.9	1.9	-0.3	1.2	-0.7	-4961493	-0.4	
21	580.1	1432.6	11.9	-1	-0.4	0.4	-0.4	-4835451	0.1	
21	580.4	1433	11.5	-0.1	0.1	-1.5	-0.3	-4747733	-0.3	
21	580.7	1432.9	13	0	-0.2	1.7	-0.3	-4694507	-0.3	
21	581	1433.2	10.8	0.8	0.3	-2.5	-0.3	-4642462	-0.3	
21	581.3	1433	12.5	-1.9	-0.1	1.4	-0.3	-4611784	0.2	
21	581.6	1433.2	10.7	-0.4	0.3	-1.8	-0.3	-4601649	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	581.9	1433.2	12.3	-1.3	0.4	0.7	-0.4	-4621965	-0.2	
21	582.2	1433.2	12.3	1.9	0.3	-1.1	-0.5	-4663141	-0.3	
21	582.5	1433.2	12.4	-1	0.3	-0.1	-0.6	-4715653	-0.4	
21	582.8	1433.1	12	0.4	-0.1	0.3	-0.5	-4769363	0.3	
21	583.1	1433.4	11	-1.4	0.3	-1.9	-0.5	-4802179	-0.2	
21	583.4	1433.5	12.7	1.5	0.1	1	-0.4	-4835451	-0.5	
21	583.7	1433.9	12.3	1.6	0.2	-0.4	-0.2	-4857889	-0.5	
21	584	1434	12.2	-0.1	0	0.5	-0.1	-4869186	0	
21	584.3	1434.1	11.3	-0.2	0.1	-1.4	-0.1	-4869186	-0.1	
21	584.6	1434.4	12.3	-0.7	0.3	-0.3	-0.1	-4846644	-0.3	
21	584.9	1434.4	12.4	0.8	0.3	-0.3	-0.1	-4813219	-0.4	
21	585.2	1434.4	12.5	-0.3	0.6	0.2	-0.2	-4780251	-0.4	
21	585.5	1434.3	12.4	-0.8	0.7	0.6	-0.4	-4758523	-0.4	
21	585.8	1434.5	11.7	-1.7	1	-0.3	-0.4	-4758523	-0.4	
21	586.1	1434.8	11.9	-0.9	1.2	-0.3	-0.5	-4769363	-0.6	
21	586.4	1435.1	12.8	-0.1	1.6	-0.1	-0.5	-4791190	-0.8	
21	586.7	1435.1	13	-0.8	1.8	0.4	-0.5	-4813219	-1	
21	587	1435.1	12.3	0.1	1.9	-0.8	-0.5	-4846644	-1.1	
21	587.3	1435.1	12.3	-0.5	2	-0.9	-0.5	-4880536	-1.3	
21	587.6	1434.9	11.8	0.6	2	-2.1	-0.7	-4903396	-1.2	
21	587.9	1434.6	11.9	-1.5	1.7	-1.7	-0.8	-4914906	-0.9	
21	588.2	1434.3	10.5	-1.7	1.5	-1.8	-1	-4938090	0.1	
21	588.5	1434.2	10.9	-2.4	1.2	-1.4	-1.1	-4938090	0.1	
21	588.8	1433.9	11.9	0.5	0.8	-0.5	-1.3	-4914906	0.1	
21	589.1	1433.6	11.8	-1.3	0.7	-1	-1.6	-4880536	0.2	
21	589.4	1433	11.8	-0.9	0.4	0	-1.9	-4835451	0.6	
21	589.7	1432.9	11.5	-0.9	0.3	0.2	-2	-4780251	0.5	
21	590	1432.8	12.9	0.7	0.2	1.6	-2	-4715653	0.1	
21	590.3	1433.1	13	2.2	0.2	0.9	-1.7	-4621965	-0.3	
21	590.6	1433.2	13.1	-0.4	0.2	1.3	-1.5	-4531927	-0.7	
21	590.9	1433.4	12.9	1.8	0.3	0.8	-1.3	-4454788	-0.9	
21	591.2	1433.7	12.2	-1.2	0.4	-0.7	-1	-4389413	-1.1	
21	591.5	1433.8	13	2.6	0.4	-0.1	-0.8	-4325930	-1	
21	591.8	1434	12.6	-0.6	0.5	-0.8	-0.4	-4290472	-0.9	
21	592.1	1434	11.2	-0.3	0.3	-0.6	-0.2	-4264257	0.1	
21	592.4	1434.4	11	-2.9	0.5	-1.8	0	-4264257	0.3	
21	592.7	1434.6	11.7	-0.2	0.4	-0.3	0	-4281698	0.3	
21	593	1434.6	11.6	0.1	0.3	-1.2	-0.1	-4290472	0.4	
21	593.3	1434.7	11.6	-1.4	0.2	-1.1	-0.1	-4308128	0.4	
21	593.6	1434.7	11.8	1	0.2	-0.7	-0.2	-4325930	0.3	
21	593.9	1434.9	12.4	-0.1	0.5	-1	-0.3	-4325930	-0.4	
21	594.2	1434.8	13.2	2.5	0.5	0.1	-0.4	-4325930	-0.5	
21	594.5	1434.9	12.4	0.1	0.7	-0.9	-0.4	-4325930	-0.9	
21	594.8	1434.9	13.3	1	0.6	0.3	-0.4	-4325930	-0.7	
21	595.1	1435.3	11.6	-0.8	1	-2.1	-0.4	-4325930	-1.1	
21	595.4	1435.5	13.4	1.4	1.2	0.4	-0.4	-4334886	-1.4	
21	595.7	1435.8	13.4	2.4	1.3	-0.2	-0.3	-4361980	-1.5	
21	596	1435.7	13.5	0.8	1.2	-0.2	-0.2	-4361980	-1.5	
21	596.3	1435.6	13.1	0.8	1.1	-0.6	-0.2	-4361980	-1.1	
21	596.6	1435.4	12.7	0.5	1	-1	-0.3	-4334886	-1.4	
21	596.9	1435.2	13.6	2.3	0.8	-0.2	-0.4	-4290472	-1.6	
21	597.2	1434.9	13.7	1.4	0.8	-0.8	-0.7	-4221271	-1.7	
21	597.5	1434.8	13.5	1.1	0.7	0	-0.8	-4154266	-1.6	
21	597.8	1434.8	11.5	-1	1	-2.1	-1	-4105393	-1.5	
21	598.1	1434.9	12.5	0.1	1	-1.1	-1.1	-4089356	-1.5	
21	598.4	1434.8	12.5	0.8	1.2	-1.6	-1.3	-4089356	-1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	598.7	1434.6	12.9	1	1.2	-0.6	-1.5	-4097359	-1.4	
21	599	1434.7	11.4	-1.4	1.6	-1.4	-1.5	-4129685	-1.1	
21	599.3	1434.7	12	-1	1.5	-0.9	-1.5	-4204318	-1	
21	599.6	1434.7	12.2	-0.1	1.6	-1	-1.4	-4325930	-0.9	
21	599.9	1434.5	12.3	0	1.3	0.1	-1.3	-4473825	-0.5	
21	600.2	1434.2	10.8	-1	1	-0.3	-1.3	-4632191	0.2	
21	600.5	1434.2	10.8	-1.1	0.9	-0.8	-1.2	-4769363	0.2	
21	600.8	1434.2	11.7	1.2	0.7	0.4	-1.1	-4891940	0.3	
21	601.1	1434.2	11.1	0.2	0.6	-0.7	-1	-4997017	0.5	
21	601.4	1433.8	10.7	-1.2	0.1	0.6	-1	-5045181	1.3	
21	601.7	1434.1	10.3	-1.5	-0.1	-0.8	-0.7	-5057367	1	
21	602	1434	11	-0.8	-0.2	0.5	-0.7	-5020984	1	
21	602.3	1434.2	10	-1.5	-0.2	-1.5	-0.5	-4938090	0.9	
21	602.6	1434.1	11.2	-1.7	-0.4	1.4	-0.4	-4824309	0.8	
21	602.9	1434.1	11.1	-1.9	-0.2	-0.3	-0.4	-4684005	0.5	
21	603.2	1434.4	10.7	-2.4	-0.2	-0.3	-0.3	-4561547	-0.1	
21	603.5	1434.5	11.8	-1.1	-0.1	-0.9	-0.2	-4445329	-0.5	
21	603.8	1434.8	11.4	-0.8	0.5	-1.6	-0.2	-4352911	-1.1	
21	604.1	1435	12.2	-0.8	0.6	-0.8	-0.1	-4290472	-1.4	
21	604.4	1435.2	10.8	-1.8	1.1	-2.7	-0.1	-4264257	-1.8	
21	604.7	1435.2	12.5	1.3	1.1	-0.2	-0.1	-4264257	-2.2	
21	605	1435.5	10.4	-0.6	1.6	-4.1	-0.1	-4281698	-2.4	
21	605.3	1435.3	13	1.3	1.4	0	-0.1	-4299282	-1.8	
21	605.6	1435.6	10.2	-1.4	1.6	-3.5	-0.1	-4308128	-1.7	
21	605.9	1435.5	13.2	1.6	1.7	0	-0.4	-4299282	-1.8	
21	606.2	1435.2	13.2	1.4	1.2	0.2	-0.5	-4264257	-1.2	
21	606.5	1434.9	13	0.6	1.1	-0.9	-0.8	-4212777	-1.2	
21	606.8	1434.3	12.4	-0.8	0.5	0.5	-1	-4154266	-0.2	
21	607.1	1434.1	11	-1.4	0.5	-1.4	-1.3	-4081384	0	
21	607.4	1433.9	13	-0.3	-0.1	3.3	-1.3	-4034201	0.7	
21	607.7	1433.9	11.3	-0.3	-0.2	-0.5	-1.3	-4003346	0.7	
21	608	1433.7	13.4	0	-1.2	4.6	-1	-3995706	1.6	
21	608.3	1433.9	11	-2.4	-1.1	-0.7	-1	-4018714	1	
21	608.6	1434.1	12.3	-1.2	-0.9	0.9	-1	-4081384	0.4	
21	608.9	1434.2	13.3	0.2	-0.9	1.1	-0.9	-4187500	0.2	
21	609.2	1434.4	12.6	-0.1	-0.5	0.3	-0.7	-4308128	0.1	
21	609.5	1434.7	12.4	-1.2	-0.1	1.2	-0.5	-4435911	0.1	
21	609.8	1435.1	10.5	-3.2	0.6	-2.8	-0.4	-4561547	-0.7	
21	610.1	1435.5	12.1	-1.4	1.1	0.2	-0.4	-4652778	-0.9	
21	610.4	1436.1	10.5	-1	2.1	-3.4	-0.4	-4715653	-0.9	
21	610.7	1436.4	12.2	-0.3	2.3	0.9	-0.4	-4736991	-0.4	
21	611	1436.8	10.4	-2.1	2.9	-2.4	-0.4	-4705057	-0.5	
21	611.3	1437	11.9	-1	3.2	-1	-0.6	-4642462	-0.9	
21	611.6	1436.9	12.4	1	2.9	-0.9	-0.7	-4571507	-1.1	
21	611.9	1436.5	11.6	-0.4	2.3	-1.6	-0.7	-4493026	-1.1	
21	612.2	1435.9	12.3	0.1	1.6	0.7	-0.9	-4435911	-0.6	
21	612.5	1435.7	10.7	-1.6	1.2	-1.5	-1	-4398635	-0.8	
21	612.8	1435.1	12.7	1.9	0.6	0.8	-1.3	-4389413	-0.7	
21	613.1	1435	10.8	0	0.5	-1.1	-1.3	-4417194	-0.7	
21	613.4	1434.6	12.3	0.6	-0.2	1	-1.3	-4454788	-0.3	
21	613.7	1434.7	10.7	-0.4	-0.1	-1.4	-1.2	-4493026	-0.4	
21	614	1434.9	11.8	1.1	0	-0.5	-1	-4531927	-0.8	
21	614.3	1435.2	11.9	1.6	0.3	-0.7	-0.7	-4531927	-0.7	
21	614.6	1435.3	11.6	0.6	0.7	-1.1	-0.4	-4493026	-0.6	
21	614.9	1435.5	10.8	0.8	1.1	-1.2	-0.2	-4407895	-0.3	
21	615.2	1435.5	11.8	0.6	1.4	-1.1	-0.2	-4299282	-0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	615.5	1435.3	10.3	-0.8	1.3	-1.1	-0.3	-4162525	0	
21	615.8	1435.3	11.6	0.9	1.5	-1.4	-0.4	-4003346	-0.3	
21	616.1	1435	11.6	-0.2	1	0.5	-0.6	-3877315	0.1	
21	616.4	1434.9	10.7	-0.7	1	-2.1	-0.8	-3779333	-0.2	
21	616.7	1434.6	12.3	0.1	0.5	0.2	-1	-3732175	-0.5	
21	617	1434	11.9	1.1	0	-1.1	-1.3	-3725534	-0.6	
21	617.3	1433.6	12.6	0.1	-0.5	0.2	-1.3	-3779333	-0.6	
21	617.6	1433.5	12.2	1.8	-0.4	-0.4	-1.2	-3870148	-0.4	
21	617.9	1433.7	11.9	-1.1	0.1	-0.2	-1.1	-4003346	-1	
21	618.2	1433.9	13.2	3	0.1	0.5	-0.8	-4146040	-1	
21	618.5	1434.5	11.7	-1.5	0.9	-2	-0.5	-4308128	-1.3	
21	618.8	1434.6	13.3	0.1	0.8	1.2	-0.2	-4483405	-0.9	
21	619.1	1435.1	11.3	-1.7	1.6	-2.3	-0.1	-4642462	-1	
21	619.4	1435.3	13.1	0.7	1.9	0.2	-0.1	-4736991	-1.3	
21	619.7	1435.2	12.8	1.8	2.1	-0.7	-0.1	-4769363	-0.8	
21	620	1434.8	12.7	-0.3	1.9	-0.3	-0.4	-4747733	-0.7	
21	620.3	1434.1	11.8	0.5	1.4	0.1	-0.7	-4694507	0.4	
21	620.6	1433.9	11.8	-1.6	1.3	-0.9	-1	-4621965	0	
21	620.9	1433.3	13.3	2.3	0.8	1.1	-1.4	-4531927	0.1	
21	621.2	1433.1	11.8	-0.5	0.7	-0.1	-1.6	-4445329	0.4	
21	621.5	1432.6	12.9	-0.4	0.1	2.2	-1.7	-4389413	0.9	
21	621.8	1432.9	11.4	-1.2	0.3	-0.4	-1.5	-4361980	0.6	
21	622.1	1432.9	12.7	0.3	0.3	0.8	-1.3	-4361980	0.3	
21	622.4	1433	12.4	1.9	0.6	-0.1	-0.9	-4407895	0.1	
21	622.7	1433	12.3	0.2	0.7	0.3	-0.5	-4464286	-0.3	
21	623	1433.2	12.2	1.7	0.8	0.1	-0.1	-4551631	-0.9	
21	623.3	1433.3	12.9	0.7	1.1	-0.8	0.1	-4642462	-1.6	
21	623.6	1433.4	11.3	0.9	1	-1.9	0.2	-4736991	-1.5	
21	623.9	1433.4	12	0.1	0.9	-2	0.2	-4791190	-1.5	
21	624.2	1432.8	11.7	-0.7	0	-1.1	-0.1	-4802179	-1.1	
21	624.5	1432.5	11.6	0	-0.1	-2.3	-0.5	-4758523	-1.3	
21	624.8	1431.9	12.5	0.2	-0.4	-0.9	-1	-4652778	-1.3	
21	625.1	1431.5	11.7	1	-0.5	-1.2	-1.3	-4512393	-0.7	
21	625.4	1431.1	10.7	-2	-0.7	-1.2	-1.7	-4371086	0.3	
21	625.7	1430.8	11	0.2	-0.5	-0.7	-2.1	-4246958	0.8	
21	626	1431.2	11.6	-0.7	0	0.9	-2.1	-4137846	0.9	
21	626.3	1432	12.1	1.4	0.7	0.9	-1.9	-4057655	0.9	
21	626.6	1432.9	12.1	0.3	1.5	0.9	-1.5	-4003346	0.9	
21	626.9	1433.3	12.5	0.6	1.9	1.1	-1.1	-3972961	1	
21	627.2	1433.6	11.8	0.2	2	-0.2	-0.5	-3972961	0.9	
21	627.5	1433.7	12	1.2	1.8	0.4	0	-3995706	0.7	
21	627.8	1433.8	12.3	0.5	1.6	0.7	0.5	-4034201	0.4	
21	628.1	1433.5	12.1	1.8	0.8	0.1	0.8	-4089356	0.2	
21	628.4	1433.2	12	0.4	0	-0.5	0.9	-4162525	0	
21	628.7	1433	12.2	0.6	-0.9	-0.9	0.9	-4238361	-0.3	
21	629	1433	12.5	1.8	-1.3	-0.8	0.7	-4317011	-0.5	
21	629.3	1432.5	13.2	0.9	-1.5	-0.7	0.2	-4407895	-0.8	
21	629.6	1432.3	13.3	1.4	-1.6	-0.4	-0.2	-4512393	-0.9	
21	629.9	1432.2	13	0.4	-1.3	-0.8	-0.6	-4632191	-1	
21	630.2	1432.4	13.3	1.1	-0.7	-0.9	-0.9	-4769363	-1.3	
21	630.5	1433	13.4	1.5	0.4	-0.8	-1.1	-4914906	-1.4	
21	630.8	1433.4	13.4	0.2	1.3	-0.9	-1.3	-5057367	-1.4	
21	631.1	1433.9	13.5	1.8	2.1	-0.8	-1.3	-5221322	-1.5	
21	631.4	1434.3	13.5	0.2	2.7	-0.8	-1.2	-5368590	-1.5	
21	631.7	1434.3	13.8	2.5	2.9	-1	-1	-5509869	-1.6	
21	632	1434.5	13.8	0.7	3.1	-1	-0.7	-5613271	-1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	632.3	1434.4	13.6	0.8	2.9	-1	-0.4	-5689538	-1.5	
21	632.6	1434.1	13.5	0.8	2.6	-1.2	-0.4	-5720629	-1.5	
21	632.9	1433.9	13.5	1.7	2.1	-1.1	-0.4	-5720629	-1.5	
21	633.2	1433.6	13.7	1.9	1.5	-0.9	-0.4	-5674120	-1.5	
21	633.5	1433.2	13.4	0.1	0.9	-1.3	-0.4	-5613271	-1.4	
21	633.8	1432.6	13.2	1.4	0.4	-1.4	-0.7	-5568484	-1.2	
21	634.1	1432.3	13.2	0.3	0.3	-1.3	-0.9	-5509869	-1.2	
21	634.4	1432	13.2	1.8	0.1	-1.1	-1.1	-5481021	-1.2	
21	634.7	1431.5	13.2	0.5	-0.1	-1	-1.4	-5539021	-1.2	
21	635	1431.3	13.1	0.7	-0.1	-0.9	-1.6	-5674120	-1.2	
21	635.3	1431.4	12.8	0.5	0.1	-1.3	-1.7	-5864846	-1.2	
21	635.6	1431.5	12.8	0.6	0.2	-1.4	-1.7	-6194527	-1.3	
21	635.9	1431.5	13.2	0.3	0.2	-1.1	-1.7	-6710737	-1.4	
21	636.2	1431.5	13.3	2	0.3	-0.3	-1.6	-7398410	-1.4	
21	636.5	1431.5	12.8	0.8	0.3	-1.3	-1.5	-8308532	-1.5	
21	636.8	1431.5	12.4	0.7	0.1	-1.3	-1.4	-9431306	-1.4	
21	637.1	1431.6	12.4	0.8	0.3	-1.3	-1.3	-1.1E+07	-1.3	
21	637.4	1431.8	12.2	-0.3	0.2	-1.6	-1	-1.2E+07	-1.2	
21	637.7	1432	12.4	0.7	0.1	-0.8	-0.7	-1.3E+07	-1.1	
21	638	1432.4	12.1	1.4	0.3	-1.3	-0.4	-1.4E+07	-1	
21	638.3	1432.8	12.4	1.4	0.4	-0.3	0.1	-1.3E+07	-0.6	
21	638.6	1433.1	11.3	-0.3	0.6	-1.7	0.4	-1.2E+07	-0.3	
21	638.9	1433.2	12.1	0	0.4	0.4	0.7	-1.1E+07	-0.2	
21	639.2	1433.5	11.4	-0.7	0.6	-1.1	0.9	-9103261	-0.1	
21	639.5	1433.7	11.7	-0.8	0.6	0.1	1	-8022031	-0.1	
21	639.8	1433.8	12.1	0.3	0.5	0.1	1.1	-7073480	-0.1	
21	640.1	1433.8	11.3	-0.7	0.6	-1	0.9	-6363982	-0.4	
21	640.4	1433.5	12.1	-0.2	0.3	0.2	0.6	-5832173	-0.5	
21	640.7	1433.1	11	-1.1	0.3	-1.6	0.2	-5466710	-0.7	
21	641	1432.8	12.1	0.1	0.2	0.6	-0.1	-5300633	-0.8	
21	641.3	1432.6	10.2	-2	0.5	-2.9	-0.5	-5287248	-1.2	
21	641.6	1432.5	12.5	0	0.4	0.1	-0.7	-5438312	-1.5	
21	641.9	1432.5	10.6	-2.6	0.6	-2.7	-0.8	-5720629	-1.6	
21	642.2	1432.6	11.7	-1.6	0.6	-2.4	-0.8	-6086483	-1.7	
21	642.5	1432.7	11.4	-1.6	0.8	-1.8	-0.7	-6502329	-1.6	
21	642.8	1432.8	10.7	-2.6	1	-3.2	-0.5	-6932947	-1.5	
21	643.1	1432.5	11.4	-2	0.6	-1.2	-0.4	-7372359	-1.1	
21	643.4	1432.4	10.1	-3.3	0.3	-3	-0.3	-7754630	-0.5	
21	643.7	1432.1	11.7	-1.8	-0.4	0.3	-0.1	-8022031	0.1	
21	644	1432	10.3	-3.2	-0.6	-2.3	-0.2	-8210785	0.3	
21	644.3	1431.8	11.6	-2.2	-0.9	-0.1	-0.3	-8308532	0.4	
21	644.6	1431.8	12.7	-1.1	-1.4	1.2	-0.1	-8442541	0.3	
21	644.9	1431.4	11.9	-1.7	-2.1	-0.6	-0.1	-8723959	0.3	
21	645.2	1431.1	12.8	-0.7	-2.5	1.8	-0.1	-9264381	0.2	
21	645.5	1431.5	12	-1.5	-2.1	-0.7	0.2	-1E+07	0	
21	645.8	1431.9	13.1	-0.6	-1.9	2.4	0.5	-1.1E+07	-0.4	
21	646.1	1432.5	12.9	-0.5	-1.4	0.5	0.8	-1.2E+07	-0.9	
21	646.4	1433	13.4	0.2	-1.2	1.7	1.2	-1.4E+07	-1.4	
21	646.7	1433.5	13.6	0.4	-0.7	1.4	1.5	-1.5E+07	-1.6	
21	647	1434.1	12	-1.2	-0.3	-2.1	1.7	-1.6E+07	-2	
21	647.3	1434.4	14.3	1.1	0.3	1.7	1.7	-1.6E+07	-2.4	
21	647.6	1434.6	11.8	-1.3	0.7	-2.8	1.4	-1.6E+07	-2.8	
21	647.9	1434.3	14	1.2	0.5	-0.3	0.9	-1.5E+07	-3.1	
21	648.2	1434.2	10.5	-2.3	0.8	-4.7	0.2	-1.3E+07	-3.2	
21	648.5	1434.1	11.3	-1.9	0.9	-3.8	-0.6	-1.1E+07	-2.8	
21	648.8	1433.9	10.3	-3	1	-3.1	-1.5	-9922986	-2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	649.1	1433.7	9.5	-3.3	1.2	-4.4	-2.4	-8909575	-1.3	
21	649.4	1433.6	11.5	-0.9	1.2	-0.2	-2.9	-8146887	-0.2	
21	649.7	1433.4	8.5	-3.9	1.6	-3.7	-3.7	-7558664	0.5	
21	650	1433.8	10.9	-1.3	2.1	0.4	-3.9	-7121599	1.1	
21	650.3	1434.3	10.4	-2	3	-0.1	-3.9	-6887336	1.6	
21	650.6	1434.6	10.9	-1.2	3.2	0.8	-3.5	-6797890	1.8	
21	650.9	1435.1	11.7	-0.7	3	2.4	-2.5	-6797890	1.8	
21	651.2	1435.7	9.4	-1.9	2.9	-0.9	-1.4	-6910066	1.1	
21	651.5	1436.2	11.7	-0.4	2.2	2.6	-0.1	-7170377	0.7	
21	651.8	1436.5	11.1	-0.3	1.7	-0.5	0.9	-7504480	0.2	
21	652.1	1436.5	11.1	-0.6	1.2	0.3	1.5	-7961027	-0.5	
21	652.4	1436.5	11.4	-0.7	0.5	-1.1	1.8	-8511179	-1.1	
21	652.7	1436.2	10.2	-1.1	0	-2.5	1.6	-9063853	-1.7	
21	653	1435.5	13.2	1.1	-0.7	1	1.4	-9560502	-2	
21	653.3	1435.1	10.8	-0.2	-1	-2.8	1	-1E+07	-2	
21	653.6	1434.5	12.4	0.3	-1.4	1.2	0.5	-1E+07	-1.5	
21	653.9	1434.4	10.1	-0.1	-1.1	-2	-0.1	-1.1E+07	-1.1	
21	654.2	1434.2	12.1	-0.4	-1	1.4	-0.6	-1.1E+07	-0.8	
21	654.5	1434.3	12.1	1.5	-0.7	1.4	-0.7	-1.1E+07	-0.3	
21	654.8	1434.6	12	0.3	-0.6	1.9	-0.6	-1.1E+07	0	
21	655.1	1434.8	11.7	0.3	-0.7	2.6	-0.2	-1.2E+07	0.3	
21	655.4	1435.1	9.5	-1.2	-0.3	-1.4	0	-1.2E+07	0.4	
21	655.7	1435.2	11.5	0.1	-0.5	2.7	0.2	-1.2E+07	0.3	
21	656	1435.2	10.1	0	-0.3	-0.7	0.2	-1.2E+07	0.1	
21	656.3	1435	10.3	-1.4	-0.4	1.2	0	-1.1E+07	-0.2	
21	656.6	1435	8.8	-1.5	-0.3	-1.8	-0.1	-1.1E+07	-0.4	
21	656.9	1434.9	9.7	-1.9	-0.1	-0.8	-0.4	-9970238	-0.7	
21	657.2	1435	8.7	-4	0.4	-2.2	-0.9	-9143013	-1	
21	657.5	1435.2	8.5	-3.4	1.3	-3.2	-1.5	-8375000	-1.3	
21	657.8	1435.3	9.4	-3.4	2	-1.3	-1.9	-7783457	-1.5	
21	658.1	1435.8	7.4	-4.6	2.8	-4.3	-2.2	-7346491	-1.6	
21	658.4	1436.1	9.3	-3.8	3.4	-1.3	-2.3	-7121599	-1.7	
21	658.7	1436.4	7.7	-5.2	3.7	-4.7	-2.1	-7002509	-1.8	
21	659	1436.6	8.2	-5.2	3.5	-3.3	-1.7	-7097458	-1.8	
21	659.3	1436.5	7.5	-6.1	3.2	-4.7	-1.3	-7372359	-1.6	
21	659.6	1436.4	7.8	-4.2	2.5	-3.3	-1	-7871241	-1.6	
21	659.9	1435.9	9.2	-5.1	1.5	-2.6	-0.6	-8723959	-1.5	
21	660.2	1435.4	9	-2.8	0.4	-2.1	-0.1	-9876179	-1.3	
21	660.5	1435.2	8.7	-5.3	-0.3	-2.6	0.2	-1.1E+07	-1.5	
21	660.8	1434.8	7.7	-2.8	-0.9	-4.2	0.2	-1.3E+07	-1.8	
21	661.1	1434.5	10.9	-0.4	-1.5	-0.5	0.4	-1.4E+07	-1.9	
21	661.4	1434.6	10.7	0.4	-1.5	-1.2	0.6	-1.5E+07	-1.7	
21	661.7	1434.3	11.5	2	-1.8	1.1	0.6	-1.4E+07	-1.5	
21	662	1434.7	10.3	-1.2	-1.3	-1.1	0.8	-1.3E+07	-1.7	
21	662.3	1434.8	12.1	3.6	-1.1	1	0.9	-1.1E+07	-1.8	
21	662.6	1434.9	10.3	-0.6	-0.6	-2.4	0.8	-1E+07	-2.1	
21	662.9	1434.8	12.2	1.8	-0.5	1	0.7	-9143013	-2	
21	663.2	1434.9	10.8	-0.1	-0.3	-0.8	0.6	-8545919	-1.8	
21	663.5	1434.8	11.3	-0.4	-0.4	-0.9	0.5	-8178711	-1.8	
21	663.8	1434.4	12.1	2.7	-0.9	-0.5	0.3	-8115310	-1.4	
21	664.1	1434.4	10.4	-1.3	-0.9	-2.3	0.3	-8341634	-1.5	
21	664.4	1434	11.7	0.6	-1.4	0.1	0.3	-8871822	-0.7	
21	664.7	1434.1	9.4	-1.7	-1.2	-2.9	0.2	-9604358	-0.6	
21	665	1433.9	12.2	0.8	-1.6	2.1	0.3	-1E+07	-0.2	
21	665.3	1434.1	9.8	-0.4	-1.2	-2.8	0.2	-1.1E+07	-0.4	
21	665.6	1434.4	11.9	-1.3	-1.1	1.9	0.3	-1.2E+07	0	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	665.9	1434.9	9.9	-0.9	-0.4	-1.5	0.2	-1.2E+07	-0.1	
21	666.2	1435.3	11.8	-0.6	0.1	1.3	0.2	-1.2E+07	-0.5	
21	666.5	1435.6	10.9	0.8	0.5	-1	0.2	-1.2E+07	-0.4	
21	666.8	1435.5	11.5	-0.6	1	1.2	-0.1	-1.1E+07	-0.5	
21	667.1	1435.4	11.4	-0.7	1	0.1	-0.2	-1.1E+07	-0.6	
21	667.4	1435.5	9.5	-2.5	1.3	-1.2	-0.4	-1.1E+07	-1	
21	667.7	1435.4	12.2	0.5	1.2	0.8	-0.5	-1.1E+07	-1.2	
21	668	1435.4	9.2	-0.3	1.4	-3.4	-0.7	-1.1E+07	-1.3	
21	668.3	1435.4	11.3	-0.2	1.3	0	-0.7	-1.1E+07	-1.2	
21	668.6	1435.5	7.9	-2.2	1.8	-5.1	-1.1	-1.2E+07	-1.5	
21	668.9	1435.4	12.6	2.3	1.4	2.1	-1.1	-1.3E+07	-1.3	
21	669.2	1435.3	7.8	-1	1.6	-5.2	-1.3	-1.4E+07	-1.3	
21	669.5	1435	12	2.3	1.1	0.8	-1.1	-1.5E+07	-1	
21	669.8	1435.4	7.3	-1.4	1.5	-4.8	-1.1	-1.6E+07	-1.4	
21	670.1	1435.3	10.6	2.1	1.5	-1.8	-1.1	-1.7E+07	-1.6	
21	670.4	1434.9	10.7	1.3	1.2	-0.8	-1.2	-1.6E+07	-1.5	
21	670.7	1434.7	10.4	3	1.1	-2.8	-1.2	-1.6E+07	-1.6	
21	671	1434.3	11.2	1.9	0.3	1.5	-1	-1.5E+07	-1.2	
21	671.3	1434.5	7.5	-0.2	0.5	-6.1	-1	-1.3E+07	-1.4	
21	671.6	1434.5	11.8	3.6	0.2	1.6	-0.8	-1.2E+07	-1.3	
21	671.9	1434.6	9	1.5	0.4	-4.2	-0.7	-1.1E+07	-1.2	
21	672.2	1434.5	11.8	4	-0.3	2.7	-0.5	-9876179	-1	
21	672.5	1434.4	9.4	0.2	-0.3	-2.6	-0.5	-8947650	-0.7	
21	672.8	1434.3	10.8	1.8	-0.4	-1	-0.4	-8243110	-0.8	
21	673.1	1434.2	11.9	3.2	-0.6	0.7	-0.2	-7697610	-0.1	
21	673.4	1434.4	9.1	1.4	-0.2	-2.2	-0.1	-7269965	-0.1	
21	673.7	1434.5	11.9	1	-0.5	2.9	0.3	-6979167	0.3	
21	674	1434.9	9.9	-0.8	-0.2	-2	0.6	-6797890	0.3	
21	674.3	1434.8	12	0.5	-0.3	2.1	0.9	-6646826	0.7	
21	674.6	1435.2	9	-1.3	0	-2.7	1.1	-6502329	0.2	
21	674.9	1435.2	12.1	0	-0.1	2.3	1.1	-6383384	-0.1	
21	675.2	1435.3	11.3	1	-0.1	-0.5	1.1	-6250000	-0.2	
21	675.5	1435.2	11.8	-0.4	-0.2	0.3	0.9	-6140030	-0.5	
21	675.8	1435.2	11.2	0.4	-0.3	-0.4	0.7	-6033862	-0.7	
21	676.1	1434.9	11.2	-0.1	-0.3	-1.6	0.2	-5965100	-1.4	
21	676.4	1434.5	12.7	0.6	-0.3	-0.1	-0.2	-5914548	-1.7	
21	676.7	1433.9	12.2	1.8	0	-1.1	-0.8	-5832173	-2.2	
21	677	1433.7	12	0.3	-0.3	0.1	-1.1	-5815972	-2.1	
21	677.3	1434.1	10.1	0.7	0.7	-4.3	-1.5	-5783840	-2.4	
21	677.6	1434.3	12.5	0.3	1	0	-1.6	-5752061	-2	
21	677.9	1434.8	10.1	0.3	1.8	-3.9	-1.6	-5720629	-1.9	
21	678.2	1435.2	12.7	0.8	1.9	0.4	-1.4	-5720629	-1.9	
21	678.5	1435.4	10.9	1	2.2	-2.5	-1.1	-5720629	-1.6	
21	678.8	1435	12.3	0.5	1.6	0.4	-0.7	-5752061	-0.8	
21	679.1	1434.7	10.2	-0.7	1.2	-1.7	-0.5	-5799862	-0.4	
21	679.4	1434.9	10.7	-0.8	1.3	-1.3	-0.3	-5897888	-0.4	
21	679.7	1434.6	11.9	0.5	0.6	2.4	-0.1	-5999284	-0.1	
21	680	1434.5	9.6	0.1	0.6	-3.4	-0.2	-6122076	-0.6	
21	680.3	1434.1	12.5	0.3	0	2.4	-0.3	-6306476	-0.7	
21	680.6	1434.1	9.7	0.5	-0.1	-3.4	-0.4	-6522586	-1.1	
21	680.9	1433.7	12.4	1.1	-0.3	1	-0.7	-6754032	-1.1	
21	681.2	1433.8	9.5	1.6	0.2	-3.3	-1	-6955980	-1.3	
21	681.5	1434.1	10.8	-1.8	0.6	-0.7	-1.1	-7170377	-1.6	
21	681.8	1434	11.3	3.5	0.5	-0.9	-1.2	-7346491	-1.4	
21	682.1	1434.2	8.7	-3.3	1	-4.3	-1.3	-7504480	-1.5	
21	682.4	1433.9	12.4	5.1	0.7	1.4	-1.3	-7641424	-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	682.7	1434	8.7	-1.9	1	-4.2	-1.2	-7812500	-1.2	
21	683	1433.9	11.4	0.7	0.8	-0.1	-1.1	-7991412	-1.1	
21	683.3	1434.1	9.8	-0.6	1.2	-3.4	-1	-8146887	-0.9	
21	683.6	1434.1	10.8	-0.4	0.8	0.6	-0.7	-8275692	-0.7	
21	683.9	1434.4	9.6	2.1	0.8	-1.9	-0.5	-8308532	-0.6	
21	684.2	1434.6	11	-0.8	0.9	-0.6	-0.4	-8178711	-0.7	
21	684.5	1434.4	11.1	2.1	0.6	-0.1	-0.4	-7961027	-0.7	
21	684.8	1434.4	10.1	-1.7	0.7	-1.7	-0.4	-7641424	-0.7	
21	685.1	1434.3	10.9	1.5	0.6	-0.2	-0.4	-7320804	-0.9	
21	685.4	1434.3	11.2	0.4	0.7	-1.8	-0.4	-6979167	-1.2	
21	685.7	1434.2	12.3	0.4	0.4	0.8	-0.3	-6689297	-1.3	
21	686	1434.2	9.6	0.5	0.3	-3.3	-0.2	-6402905	-1.4	
21	686.3	1434.2	11	-0.9	0.1	0.5	-0.1	-6194527	-1.4	
21	686.6	1434.2	10.5	0.6	0.2	-2.7	-0.3	-6051301	-1.5	
21	686.9	1434.2	12.3	0.3	0.1	-0.3	-0.2	-5965100	-1.5	
21	687.2	1434.3	9.8	0.8	0.4	-3.2	-0.4	-5897888	-1.6	
21	687.5	1434.2	11.7	-0.4	0.5	-0.9	-0.6	-5864846	-1.7	
21	687.8	1434	12.1	0.8	0.5	-1.5	-0.7	-5848464	-1.7	
21	688.1	1434.1	10.6	-1.2	0.7	-2.4	-0.7	-5832173	-1.6	
21	688.4	1434	12.2	1	0.5	1.6	-0.7	-5799862	-1.2	
21	688.7	1434	8.7	-2.5	0.8	-4.2	-0.9	-5736302	-1.2	
21	689	1434	12.3	-0.4	0.6	1.1	-0.8	-5689538	-1.3	
21	689.3	1434.2	11.2	-1	0.8	-2.5	-0.7	-5643531	-1.3	
21	689.6	1434.2	12.7	0.7	0.4	2.2	-0.5	-5613271	-1.4	
21	689.9	1434.3	11	0.9	0.5	-1.9	-0.4	-5613271	-1.2	
21	690.2	1434.2	12.7	0.2	0	0	-0.1	-5674120	-0.9	
21	690.5	1434.1	10.4	0.3	-0.2	-1.2	-0.1	-5815972	-0.6	
21	690.8	1434.3	9.3	-3.4	0	-3.3	-0.1	-5999284	-0.6	
21	691.1	1434	12.5	1.6	-0.4	2.4	-0.1	-6344697	-0.5	
21	691.4	1434.3	9.3	-3	-0.2	-3.3	-0.1	-6797890	-0.4	
21	691.7	1434	12.5	2.3	-0.6	1.5	-0.1	-7372359	-0.1	
21	692	1434.3	8.5	-2.2	-0.3	-4.3	-0.1	-8022031	0.1	
21	692.3	1434.3	11.8	-0.1	-0.4	1.3	0	-8947650	0.1	
21	692.6	1434.5	11.6	2	0	-1.2	0.1	-9876179	0.2	
21	692.9	1434.6	11.4	-1.1	0	1.8	0.2	-1.1E+07	0.1	
21	693.2	1434.8	11.9	2.2	-0.1	1.5	0.3	-1.2E+07	0.1	
21	693.5	1435	10.4	-2	0.4	-1	0.3	-1.3E+07	0	
21	693.8	1435.1	12.2	2.7	0.3	1.8	0.4	-1.4E+07	-0.1	
21	694.1	1435.3	10.6	-0.2	0.8	-1.1	0.2	-1.4E+07	-0.8	
21	694.4	1435.2	13.2	1.9	0.6	3.4	0.2	-1.4E+07	-1.2	
21	694.7	1435.1	10.1	1.4	0.9	-2.5	0	-1.5E+07	-1.9	
21	695	1434.6	13.4	1	0.4	0.6	-0.1	-1.5E+07	-2.2	
21	695.3	1434.6	8.9	0.2	0.8	-4.2	-0.3	-1.5E+07	-2.5	
21	695.6	1434.8	11.7	0.3	1.2	-2	-0.4	-1.6E+07	-2.7	
21	695.9	1434.6	10.3	0.5	1.2	-3.2	-0.7	-1.6E+07	-2.8	
21	696.2	1434.5	11.2	0.4	1.2	-2.9	-0.9	-1.6E+07	-2.2	
21	696.5	1434.6	9.2	-0.4	1.1	-4.2	-1	-1.6E+07	-1.3	
21	696.8	1434.4	8.7	-2.3	1.1	-4.9	-1.3	-1.6E+07	-1	
21	697.1	1434.2	9.6	-1.5	1	-2	-1.5	-1.6E+07	-0.6	
21	697.4	1434	9.7	-0.4	1.3	-4	-1.7	-1.7E+07	-0.1	
21	697.7	1433.6	9.8	-1.1	0.8	-0.8	-1.7	-1.7E+07	0.2	
21	698	1433.1	10.1	-1.1	0.2	-2.4	-1.7	-1.8E+07	0.2	
21	698.3	1433.2	11	-1.3	0.2	0.8	-1.6	-1.9E+07	-0.1	
21	698.6	1433.4	11.7	2.1	0.3	-1.8	-1.5		-0.9	
21	698.9	1433.7	13.5	2.5	0	2.9	-1		-1.5	
21	699.2	1433.9	12	1.5	0	-1.5	-0.8		-2.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	699.5	1434.2	12	-0.3	0.1	-0.2	-0.5		-3	
21	699.8	1434.2	13.7	3.9	-0.1	-1.1	-0.1		-3.3	
21	700.1	1434.3	12.7	1	0	-0.1	0.2		-3.4	
21	700.4	1434.4	13.7	1.6	0	-1.1	0.6		-3.2	
21	700.7	1434.6	10	-0.6	0.3	-5.5	0.7		-2.9	
21	701	1434.7	14	1.8	-0.1	0.2	1.2	-1.8E+07	-2	
21	701.3	1434.9	9	0.3	0	-3.8	1.2	-1.6E+07	-1.5	
21	701.6	1434.9	13.6	1.3	-0.1	-0.1	1.3	-1.5E+07	-0.9	
21	701.9	1435	8.7	-2.5	0.2	-4.5	1.1	-1.3E+07	-0.7	
21	702.2	1434.7	13.3	0.6	-0.6	1	1.4	-1.2E+07	-0.6	
21	702.5	1434.7	8.9	-2.1	-0.1	-4.6	0.9	-1.1E+07	-0.7	
21	702.8	1434.5	13	0.3	-0.1	-0.8	0.6	-1E+07	-1	
21	703.1	1434	14.3	3.9	-0.7	1.7	0.5	-9473982	-1.3	
21	703.4	1433.7	12	2.7	-1	-2.5	0.6	-8797269	-1.2	
21	703.7	1433.7	9	-3.5	-0.8	-1.4	0.1	-8243110	-1.4	
21	704	1433.4	13.6	4.3	-0.9	-0.8	-0.1	-7726015	-1.5	
21	704.3	1433.3	13.1	0.6	-1.2	1.2	0	-7320804	-1.6	
21	704.6	1433.5	9.8	1.3	-0.6	-4.6	-0.1	-6955980	-1.6	
21	704.9	1433.5	12.9	1.1	-0.7	1.2	-0.1	-6625791	-1.6	
21	705.2	1433.7	11.8	0.2	-0.5	-2.1	-0.1	-6325529	-1.5	
21	705.5	1433.8	12.6	1.2	-0.1	-1.8	-0.1	-6068841	-1.3	
21	705.8	1433.5	12.6	0.7	-0.4	0.1	-0.1	-5799862	-0.6	
21	706.1	1433.9	9.1	-1.3	0	-1.8	-0.1	-5598262	-0.3	
21	706.4	1433.9	12.2	0	0.1	-0.9	-0.1	-5438312	-0.2	
21	706.7	1433.9	11.9	1.3	0.3	-1	-0.2	-5327608	-0.1	
21	707	1433.8	12.3	-0.9	0.1	1.8	-0.1	-5314087	0.1	
21	707.3	1434	11.4	1.3	0.2	-1	-0.1	-5382391	0.2	
21	707.6	1434	11.8	-1.6	0.2	0.1	-0.1	-5568484	0.2	
21	707.9	1434	11.8	2.9	0.2	-0.4	-0.1	-5848464	0.2	
21	708.2	1434.3	11.8	0.1	0.6	-0.2	-0.1	-6268713	0	
21	708.5	1434.3	12.1	1.8	0.4	1.3	-0.1	-6797890	-0.1	
21	708.8	1434.4	12.2	1	0.4	-0.4	-0.1	-7424646	-0.4	
21	709.1	1434.3	12.5	3.3	0.3	0.1	-0.1	-7961027	-0.5	
21	709.4	1434.2	11.3	2.6	0.4	-1.4	-0.3	-8442541	-0.8	
21	709.7	1434.3	12.4	2.8	0.4	-0.2	-0.4	-8723959	-1.1	
21	710	1434.1	12.1	2.4	0.5	-0.8	-0.7	-8723959	-1.2	
21	710.3	1434	12.2	2.4	0.6	-0.5	-0.9	-8442541	-1.2	
21	710.6	1434.2	11.4	1.3	0.8	-1	-1	-7930871	-1.1	
21	710.9	1434	12.4	1.4	1	0.1	-1.3	-7372359	-1.1	
21	711.2	1434.3	12.3	0.6	1.3	0.2	-1.3	-6842320	-0.8	
21	711.5	1434.3	11.8	-1.7	1.6	-0.1	-1.5	-6363982	-0.5	
21	711.8	1434.3	11.6	-0.4	1.8	0.9	-1.6	-5965100	0	
21	712.1	1434.5	11.7	-0.3	2.2	1	-1.6	-5658784	0.3	
21	712.4	1434.5	11.6	-2.1	2.5	1.3	-1.6	-5410207	0.6	
21	712.7	1434.5	11.1	-1.6	2.6	0.6	-1.6	-5260679	0.9	
21	713	1434.4	10.8	-2.9	2.4	1.7	-1.5	-5157020	1.2	
21	713.3	1434.4	10.4	0.4	2.6	0.2	-1.4	-5081918	1.6	
21	713.6	1434.3	10.3	-3.7	2.3	0.4	-1.3	-4997017	1.7	
21	713.9	1434.1	10.4	1.4	1.9	0.4	-1.3	-4985119	1.8	
21	714.2	1433.9	10.1	-3.5	1.6	0.3	-1.3	-4985119	1.9	
21	714.5	1433.5	9.7	1	0.8	-0.1	-1.3	-4961493	2.4	
21	714.8	1433.2	9.7	-3.6	0.5	0.2	-1.5	-4949764	2.3	
21	715.1	1432.9	10.6	1.7	-0.1	1.2	-1.6	-4949764	2.5	
21	715.4	1432.8	9.3	-3.7	-0.1	0.3	-1.7	-4949764	2.2	
21	715.7	1432.3	11.2	-3.1	-0.6	2	-2	-4949764	1.9	
21	716	1432.4	11	-1	-0.5	0.9	-2	-4949764	1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	716.3	1432.6	11.9	2.9	-0.1	1.9	-2	-4949764	0.1	
21	716.6	1432.9	11.9	-1.7	0.2	0.1	-1.8	-4949764	-0.9	
21	716.9	1433.4	12.7	-0.4	0.5	1.1	-1.4	-4949764	-1.8	
21	717.2	1433.9	12	2.2	1	-1.1	-1	-4926471	-2.2	
21	717.5	1434.7	12.8	-0.1	1.4	-0.8	-0.4	-4880536	-3.2	
21	717.8	1434.9	11.6	-0.2	1.3	-2.2	0.1	-4813219	-3.1	
21	718.1	1435.4	11.8	-0.8	1.5	-3.2	0.7	-4715653	-3.5	
21	718.4	1435.4	11.8	-0.8	1.2	-3.1	1	-4591557	-2.8	
21	718.7	1435.4	9.8	0.7	1.1	-4.5	1.1	-4473825	-2.5	
21	719	1435	11.6	-0.6	0.6	-1.2	0.9	-4361980	-1.8	
21	719.3	1435	9.9	-2	0.4	-4.8	0.7	-4255590	-1.4	
21	719.6	1434.6	12.2	-0.1	-0.1	0.3	0.3	-4195892	-1	
21	719.9	1434.4	10.3	-1.1	-0.2	-3	-0.1	-4170817	-0.5	
21	720.2	1434.2	12.1	0.3	-0.2	0.6	-0.6	-4195892	-0.8	
21	720.5	1434	11.8	0	-0.4	-1.1	-1	-4264257	-0.8	
21	720.8	1433.9	13.2	1.4	-0.2	-0.2	-1.3	-4371086	-1.2	
21	721.1	1433.8	11.8	-0.3	-0.7	1.8	-1	-4522139	-0.5	
21	721.4	1434.2	10.1	-2.1	0.2	-2.8	-1.1	-4684005	-0.9	
21	721.7	1434.4	13.8	1.3	0.2	3.5	-0.9	-4869186	-0.9	
21	722	1434.8	9.9	-1.4	0.8	-3.7	-0.8	-5069613	-1.4	
21	722.3	1434.8	12.8	0.4	0.3	1.8	-0.3	-5247494	-0.8	
21	722.6	1435.1	9.8	-2.3	0.4	-2	-0.2	-5382391	-0.7	
21	722.9	1435.4	12.3	0.1	0.7	0.2	-0.2	-5481021	-1	
21	723.2	1435.3	12.6	1.2	0.6	0	-0.1	-5553714	-0.6	
21	723.5	1435.5	9.2	-3.2	0.8	-2.7	-0.1	-5613271	-0.9	
21	723.8	1435.1	12.3	0	0.1	2.1	0	-5643531	-0.3	
21	724.1	1435.1	8.9	-2.9	0.2	-3.3	-0.1	-5674120	-0.4	
21	724.4	1435.1	12.1	0.5	0.2	2.8	-0.2	-5720629	-0.3	
21	724.7	1435.2	10.2	-1.5	0.5	-1.1	-0.2	-5783840	0.1	
21	725	1435.6	10.2	-1.4	0.8	0.7	-0.1	-5914548	0.1	
21	725.3	1435.8	10.4	-0.7	1.1	-0.8	-0.1	-6068841	0.1	
21	725.6	1435.8	10.8	0	1.2	-0.3	-0.1	-6231399	0	
21	725.9	1435.8	10.2	-0.2	1.2	-0.1	-0.1	-6462192	0.1	
21	726.2	1435.8	9.8	-0.5	1.4	-1	-0.1	-6667994	0.2	
21	726.5	1435.5	9.9	-0.5	1.1	0.1	-0.1	-6887336	0.5	
21	726.8	1435.3	8.1	-2	1	-3	-0.2	-7049664	0.5	
21	727.1	1434.9	9.9	0.2	0.5	-0.2	-0.3	-7097458	0.4	
21	727.4	1434.7	9.4	-0.3	0.1	-1.4	-0.5	-7026007	0.2	
21	727.7	1434.3	10.3	-0.3	-0.3	-0.9	-0.7	-6820033	0	
21	728	1434.1	9.6	0.3	-0.2	-2.3	-1	-6542969	-0.3	
21	728.3	1433.9	11.6	0.4	-0.2	0.3	-1.3	-6212908	-0.3	
21	728.6	1433.9	9.8	-1.2	-0.3	-1.8	-1.3	-5881320	0	
21	728.9	1433.9	11.7	-0.2	0	-0.3	-1.3	-5553714	-0.4	
21	729.2	1433.9	11.1	-0.8	0.2	0.2	-1.3	-5300633	-0.3	
21	729.5	1434.2	10.8	-1.9	0.5	-0.9	-1	-5119193	-0.5	
21	729.8	1434.5	11.8	-0.2	0.6	0.4	-0.7	-5069613	-0.5	
21	730.1	1434.7	12	-0.8	0.9	-0.7	-0.4	-5057367	-0.7	
21	730.4	1434.7	12.5	0.9	0.9	0.8	-0.1	-5081918	-0.5	
21	730.7	1435	11.9	0.1	1	-1.1	0.2	-5157020	-0.9	
21	731	1435.1	13.4	1.6	0.9	1.4	0.3	-5260679	-1.5	
21	731.3	1435	13.4	3.6	0.7	-0.4	0.3	-5327608	-1.7	
21	731.6	1434.7	13	1.4	0.3	-0.1	0.2	-5382391	-1.7	
21	731.9	1434.5	12.5	2.6	0	-0.6	0.1	-5410207	-1.2	
21	732.2	1434.5	12.5	0.3	0.2	-1.1	-0.2	-5396263	-1.7	
21	732.5	1434.1	13.7	3.4	0	-0.2	-0.6	-5314087	-1.7	
21	732.8	1433.8	12.8	0.7	0.1	-1	-0.9	-5247494	-1.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	733.1	1433.7	12.7	0.9	0	0	-1	-5195410	-0.7	
21	733.4	1434	11.2	-2	0.5	-2.3	-1	-5157020	-0.4	
21	733.7	1434.1	12.6	0.8	0.8	0.4	-1.1	-5169753	-0.3	
21	734	1434.5	11.7	1.6	1.4	-1.6	-1.1	-5208334	-0.4	
21	734.3	1434.6	12.9	-0.9	1.5	1	-1	-5300633	-0.8	
21	734.6	1434.5	12.1	2.2	1.4	-1	-0.9	-5438312	-0.7	
21	734.9	1434.7	12.3	-0.5	1.4	-0.4	-0.7	-5598262	-1	
21	735.2	1434.6	12.2	2.4	1.3	-1.1	-0.7	-5767907	-0.9	
21	735.5	1434.4	12.1	-0.2	1	-1.1	-0.8	-5931303	-1.1	
21	735.8	1433.9	12.8	0.2	0.1	0.3	-0.8	-6086483	-0.8	
21	736.1	1433.8	10.4	1.2	0.2	-3.1	-1	-6212908	-1.1	
21	736.4	1433.7	12.9	0.6	-0.3	0.8	-1	-6287538	-0.9	
21	736.7	1433.7	9.7	0.8	-0.2	-4.2	-1.1	-6344697	-1	
21	737	1433.5	12.3	0.2	-0.3	0.1	-1.2	-6363982	-0.7	
21	737.3	1433.8	9.8	-0.4	0.3	-3.2	-1.3	-6344697	-0.6	
21	737.6	1434.2	12	1.8	0.9	0.6	-1.3	-6344697	-0.7	
21	737.9	1434.7	11.4	1	1.7	-1.5	-1.2	-6344697	-0.5	
21	738.2	1435.1	12.1	1.3	2.4	-0.8	-1	-6363982	-0.6	
21	738.5	1435.1	12.1	1.9	2.4	0.8	-0.9	-6402905	-0.1	
21	738.8	1435.5	10.8	1	3	-2.4	-1	-6363982	-0.5	
21	739.1	1435.3	12.9	3	2.5	2.3	-0.9	-6287538	-0.3	
21	739.4	1435.4	10.9	2.8	2.3	-2.4	-0.7	-6176254	-0.6	
21	739.7	1435	12.5	2.6	1.1	2.3	-0.1	-5965100	0.3	
21	740	1434.6	9.2	-0.2	0.6	-3.4	-0.2	-5705041	-0.1	
21	740.3	1434	12.7	2.4	-0.1	0.3	-0.4	-5410207	-0.7	
21	740.6	1433.5	11.9	2.3	-0.7	-0.7	-0.4	-5119193	-0.4	
21	740.9	1433.4	12	0.4	-0.8	-0.5	-0.5	-4835451	-0.5	
21	741.2	1433.4	12.6	2.8	-0.9	0.5	-0.5	-4611784	-0.4	
21	741.5	1433.7	10.9	-0.8	-0.3	-1.8	-0.7	-4454788	-0.6	
21	741.8	1434	13.2	2.1	-0.1	1.5	-0.7	-4380230	-0.5	
21	742.1	1434.1	11.2	0.4	0.5	-2.1	-0.9	-4380230	-0.6	
21	742.4	1434.3	13	1.2	0.8	2	-0.9	-4473825	-0.8	
21	742.7	1434.4	12	0	1.1	-1.3	-0.7	-4673549	-0.7	
21	743	1434.2	12.2	-0.3	1	0.2	-0.6	-4961493	-1	
21	743.3	1434.2	11.8	-0.1	0.9	-1.6	-0.4	-5300633	-1.2	
21	743.6	1434.1	12.6	-0.8	0.3	-0.2	0	-5643531	-1.3	
21	743.9	1434	11.4	-2	-0.3	-1.3	0.3	-5965100	-1.1	
21	744.2	1434.2	11.6	-1.4	-0.6	-2.2	0.6	-6212908	-1.6	
21	744.5	1434	12.8	0.3	-1.2	0.1	0.8	-6325529	-1.5	
21	744.8	1434.2	11.2	-1.3	-1.3	-3.2	0.9	-6306476	-1.7	
21	745.1	1434	12.5	-1.2	-1.7	-0.4	1	-6158088	-1.2	
21	745.4	1434.1	10.1	-2.7	-1.4	-3.2	0.9	-5948154	-1.1	
21	745.7	1434.1	12.5	-0.2	-1.1	-0.1	0.8	-5752061	-1	
21	746	1434.2	10.5	-0.7	-0.7	-2.9	0.6	-5598262	-0.7	
21	746.3	1434.3	12.3	-0.3	-0.1	0.1	0.3	-5524407	-0.5	
21	746.6	1434.4	11.1	-0.6	0.3	-0.7	0.2	-5481021	-0.1	
21	746.9	1434.7	11.2	-1.7	1.1	-1	-0.1	-5481021	-0.4	
21	747.2	1434.9	12.4	0.3	1.6	0.8	-0.4	-5509869	-0.4	
21	747.5	1435.1	11.5	-0.8	2	-0.5	-0.5	-5553714	-0.4	
21	747.8	1434.9	12.2	0	1.8	1.4	-0.7	-5598262	-0.2	
21	748.1	1434.7	11.4	-0.7	1.7	-0.9	-0.9	-5613271	-0.6	
21	748.4	1434.5	12.9	0.1	1.4	1.4	-1.1	-5568484	-1.1	
21	748.7	1434.1	12.1	1.7	1.1	-1.6	-1.5	-5481021	-1.3	
21	749	1433.6	11.9	-1	0.5	-0.4	-1.7	-5410207	-1.4	
21	749.3	1433.3	10.8	1.1	0	-2.1	-1.9	-5354860	-1.5	
21	749.6	1433.1	11.2	-1.1	-0.3	-2.3	-2.2	-5327608	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	749.9	1433.3	10.8	1	-0.5	-2.2	-2.3	-5300633	-1.3	
21	750.2	1433.5	11.2	-0.8	-0.4	-2.1	-2.4	-5354860	-1.2	
21	750.5	1433.6	11	-0.4	-0.7	-1.2	-2.3	-5524407	-0.7	
21	750.8	1434.2	10.3	-1.8	-0.2	-3.3	-2.2	-5799862	-0.8	
21	751.1	1434.7	12.5	0.4	0.1	-0.2	-1.8	-6176254	-0.7	
21	751.4	1435.2	10.7	-0.1	0.4	-1.8	-1.3	-6625791	-0.2	
21	751.7	1435.7	11.6	-1.3	0.5	0.2	-0.6	-7170377	0.4	
21	752	1436.4	11.3	0.4	0.8	-0.5	0.1	-7726015	0.6	
21	752.3	1437.2	11.9	-0.6	1.2	0.5	0.8	-8275692	0.3	
21	752.6	1437.8	12	2.8	1.2	0.5	1.4	-8760460	0	
21	752.9	1438.4	11.6	-1.1	1.5	-0.6	1.7	-9024785	-0.5	
21	753.2	1438.7	12.7	0.8	1.6	0.4	1.7	-9063853	-0.7	
21	753.5	1438.6	12	0	1.6	-1.7	1.4	-8947650	-1	
21	753.8	1438.5	12.8	0.2	1.7	0.2	0.9	-8616255	-1.2	
21	754.1	1438.3	12.9	2	1.8	-0.5	0.3	-8178711	-1.6	
21	754.4	1437.8	13.6	0.4	1.6	0.5	-0.4	-7697610	-1.8	
21	754.7	1437.2	12.7	1.5	1.3	-0.8	-1	-7244810	-1.7	
21	755	1436.9	11.9	-1.1	1.4	-1.4	-1.5	-6797890	-1.6	
21	755.3	1436.7	12.5	0.5	1.5	-0.5	-1.9	-6325529	-1.5	
21	755.6	1436.6	12.8	0.6	1.6	-0.4	-2	-5864846	-1.3	
21	755.9	1436.6	12.8	1	1.8	0.4	-1.8	-5438312	-0.8	
21	756.2	1436.7	12.1	-0.5	1.7	-0.3	-1.5	-5094283	-0.5	
21	756.5	1436.8	12	0.6	1.8	-0.1	-1.3	-4824309	-0.2	
21	756.8	1436.8	11.4	-0.2	1.7	-0.9	-1.1	-4621965	0.1	
21	757.1	1436.6	11.7	-1.1	1.4	-0.1	-1	-4493026	0.3	
21	757.4	1436.1	11.5	0.3	0.9	0.2	-1	-4445329	0.5	
21	757.7	1435.7	11.4	-1.1	0.3	-0.1	-1	-4473825	0.6	
21	758	1435.3	11.2	1.1	0	-0.2	-1.1	-4601649	0.8	
21	758.3	1434.7	11.1	-1.4	-0.5	-0.1	-1.3	-4802179	0.9	
21	758.6	1434.4	11	0.5	-0.7	0.5	-1.5	-5057367	1	
21	758.9	1434.4	11	-1.3	-0.8	0.2	-1.5	-5354860	1	
21	759.2	1434.7	11.1	0	-0.7	0.8	-1.3	-5689538	0.9	
21	759.5	1435.2	11.5	0.3	-0.5	0.6	-0.9	-6051301	0.7	
21	759.8	1435.6	11.6	-0.8	-0.3	0.8	-0.3	-6442308	0.5	
21	760.1	1436	11.7	0.2	-0.2	0.1	0.2	-6820033	0.3	
21	760.4	1436.2	11.6	-0.6	-0.3	-0.2	0.8	-7170377	0	
21	760.7	1436.3	11.5	0.1	-0.2	-0.2	1.4	-7477679	-0.2	
21	761	1436.4	10.8	-2.1	-0.2	-1	1.7	-7726015	-0.5	
21	761.3	1436.5	11.7	-0.4	-0.3	0.3	1.8	-7871241	-0.7	
21	761.6	1436.5	11.1	-0.8	-0.4	-1.1	1.7	-7871241	-1	
21	761.9	1436.5	11.6	0.8	-0.6	-0.6	1.4	-7669414	-1.1	
21	762.2	1436.3	11.1	-0.1	-0.7	-1.4	0.9	-7346491	-1	
21	762.5	1436.3	12.4	1.6	-0.8	0.6	0.5	-6910066	-1.1	
21	762.8	1436	12.4	1.2	-0.5	-0.2	0	-6462192	-1.1	
21	763.1	1435.6	11.9	0.9	-0.4	0.2	-0.5	-6051301	-0.9	
21	763.4	1435.4	11.6	1.3	-0.1	0.1	-0.7	-5705041	-0.3	
21	763.7	1435.6	10.3	-2.2	0.6	-1.3	-0.9	-5452474	0	
21	764	1435.8	11.4	0.7	1	0.2	-1	-5287248	0.1	
21	764.3	1436.3	10.6	-1	1.5	-0.7	-1	-5208334	0.2	
21	764.6	1436.7	11.5	0.2	1.6	0.6	-0.9	-5195410	0.5	
21	764.9	1437.2	9.8	-2.1	1.7	-1.8	-1	-5221322	0.7	
21	765.2	1436.9	11.3	-0.7	1.2	0.1	-1.3	-5273930	0.7	
21	765.5	1436.6	10.2	-1.4	1.1	-1.5	-1.7	-5327608	0.6	
21	765.8	1435.9	11.6	-1.1	0.6	0.4	-2	-5368590	0.4	
21	766.1	1435.3	11.6	-0.4	0	0.7	-2	-5354860	0.2	
21	766.4	1435	11.5	-1.3	-0.3	-0.4	-2	-5300633	-0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	766.7	1435.2	11.4	-1.5	-0.4	-0.8	-1.7	-5221322	-0.9	
21	767	1435.7	11.7	-1.9	-0.2	-1.2	-1.4	-5157020	-1.6	
21	767.3	1436.7	12.3	-0.4	0.5	-0.2	-0.9	-5119193	-2	
21	767.6	1437.9	11.5	-0.4	1.5	-2.7	-0.2	-5119193	-2.2	
21	767.9	1438.8	12.8	0.3	2.1	-0.8	0.6	-5157020	-2.3	
21	768.2	1439.2	11.6	-1.2	2.5	-2.9	1	-5260679	-2.2	
21	768.5	1439.1	12	-0.8	2.8	-2.5	1.1	-5424223	-2.2	
21	768.8	1438.8	12	-0.1	3.1	-2.6	0.8	-5658784	-2.2	
21	769.1	1438.3	12	0	2.9	-2.6	0.6	-5897888	-2	
21	769.4	1437.9	11.1	-0.3	2.6	-2.9	0.3	-6104228	-1.6	
21	769.7	1437	11.3	-0.4	1.7	-2.9	-0.1	-6212908	-1.3	
21	770	1436.3	12.7	1.2	0.7	-0.9	-0.5	-6194527	-1.2	
21	770.3	1435.7	12.5	1.1	-0.1	-1.8	-0.9	-6051301	-1.1	
21	770.6	1435.4	13.1	1.9	-0.5	-0.2	-1.1	-5799862	-1.1	
21	770.9	1435.1	13.1	2	-0.7	-0.5	-1.3	-5452474	-1.1	
21	771.2	1434.8	13.3	2.3	-1	-0.3	-1.3	-5106708	-1.1	
21	771.5	1434.5	13.9	2.9	-0.9	0.2	-1.3	-4813219	-1.2	
21	771.8	1434.3	13.2	2.1	-0.8	0	-1.3	-4601649	-1.3	
21	772.1	1434.2	13.6	2.1	-0.5	0.6	-1.1	-4473825	-1.4	
21	772.4	1434.3	13.3	1.7	0.1	-1	-1	-4435911	-1.5	
21	772.7	1434.5	13.5	1.8	0.5	-0.4	-0.7	-4464286	-1.5	
21	773	1434.8	12.8	1.2	1	-1.1	-0.5	-4551631	-1.2	
21	773.3	1435.2	13.1	1.6	1.4	-0.3	-0.4	-4694507	-1.1	
21	773.6	1435.3	13	2.2	1.5	-1.1	-0.3	-4846644	-1	
21	773.9	1435.2	13	1.3	1.5	-1	-0.3	-4997017	-1	
21	774.2	1434.9	12.7	1.6	1.2	-0.8	-0.3	-5106708	-0.7	
21	774.5	1434.6	12	0.4	1	-1.4	-0.5	-5144349	-0.7	
21	774.8	1434.1	12.9	1.8	0.5	-0.4	-0.8	-5131741	-0.7	
21	775.1	1433.7	12.4	0	0.2	-1.2	-1.1	-5069613	-0.6	
21	775.4	1433.3	12.3	-0.1	0	-0.4	-1.5	-5020984	-0.3	
21	775.7	1433.4	11.5	-0.4	-0.1	-1.4	-1.7	-4997017	-0.2	
21	776	1433.3	12.8	1.2	-0.2	0.5	-1.9	-5033053	-0.1	
21	776.3	1433.4	12.1	1.8	-0.1	-0.7	-1.9	-5081918	0	
21	776.6	1433.7	12.4	1	0.4	0.1	-1.9	-5195410	0.1	
21	776.9	1434.1	11.8	1.2	0.6	-0.4	-1.6	-5368590	0.2	
21	777.2	1434.4	12	0.5	1	-0.4	-1.3	-5583334	0.2	
21	777.5	1434.6	12.5	2.7	1.2	-0.1	-1	-5815972	0.2	
21	777.8	1434.9	12	0.7	1.4	-0.4	-0.7	-6051301	0	
21	778.1	1435.2	12.3	2.1	1.3	0	-0.3	-6212908	-0.1	
21	778.4	1435.5	11.5	-0.1	1.5	-1.7	-0.1	-6363982	-0.5	
21	778.7	1435.7	12.7	1.1	1.4	-0.5	0.1	-6502329	-0.7	
21	779	1435.6	12.2	0.7	1.2	-1.1	0	-6689297	-0.9	
21	779.3	1435.5	12.9	1.5	0.9	0.1	-0.1	-6842320	-0.9	
21	779.6	1435.3	12.3	0.6	0.8	-0.9	-0.3	-6955980	-1	
21	779.9	1435	13.2	0.9	0.4	0.2	-0.4	-7049664	-1	
21	780.2	1435	12.4	0.9	0.6	-1	-0.6	-7145905	-1	
21	780.5	1434.9	13	0.2	0.4	0.5	-0.7	-7244810	-1	
21	780.8	1434.9	12.5	0.9	0.5	-0.1	-0.9	-7346491	-0.7	
21	781.1	1435	12.9	0.9	0.5	0.2	-0.9	-7424646	-0.6	
21	781.4	1435	12.4	0.4	0.3	0.1	-0.7	-7504480	-0.2	
21	781.7	1435.3	12	0	0.3	-0.3	-0.3	-7641424	0	
21	782	1435.3	12.4	1.3	-0.1	1.2	0.1	-7871241	0.4	
21	782.3	1435.3	11.5	0.2	-0.5	-1.4	0.5	-8146887	0.5	
21	782.6	1435.2	12.9	0.2	-1	1.3	0.8	-8511179	0.8	
21	782.9	1435.2	10.7	-1.8	-1.1	-1.8	0.9	-8871822	0.7	
21	783.2	1435	12.4	-0.7	-1.3	0.8	0.9	-9264381	0.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	783.5	1435.2	11.6	-1.5	-1	-1	0.7	-9693287	0.4	
21	783.8	1435.2	12.1	-1.2	-0.7	0.8	0.4	-1E+07	0.2	
21	784.1	1435.2	11.8	-2.1	-0.4	-0.7	-0.1	-1E+07	0	
21	784.4	1435.4	10.9	-2.3	0.4	-1.3	-0.7	-1.1E+07	-0.5	
21	784.7	1435.6	13.7	0.1	0.9	1.3	-1	-1.1E+07	-0.7	
21	785	1435.7	12.5	-0.8	1.6	-0.9	-1.5	-1.1E+07	-1.2	
21	785.3	1435.9	13.3	-0.2	2	1.2	-1.7	-1.1E+07	-1.5	
21	785.6	1435.9	11.9	-0.9	2.6	-1.8	-1.9	-1.2E+07	-1.7	
21	785.9	1435.9	13.1	0	2.4	0.9	-1.7	-1.2E+07	-1.4	
21	786.2	1436	10.7	-2.3	2.7	-2.6	-1.6	-1.3E+07	-1.2	
21	786.5	1436	13	0	2.3	0.8	-1.1	-1.4E+07	-1	
21	786.8	1436.2	11.1	-1.6	2	-1	-0.4	-1.4E+07	-0.7	
21	787.1	1436.2	11.8	-0.2	1.7	-1.2	0.1	-1.4E+07	-0.5	
21	787.4	1435.9	11.6	-1.3	1.1	-0.5	0.6	-1.4E+07	0.2	
21	787.7	1436	10.5	-1.9	0.5	-1.6	1.2	-1.3E+07	0.5	
21	788	1435.4	11.7	-0.6	-0.5	1	1.5	-1.2E+07	1	
21	788.3	1435.2	10	-1.5	-1.1	-1.8	1.8	-1.1E+07	0.9	
21	788.6	1434.6	12.1	-0.7	-1.9	2.3	1.8	-1.1E+07	0.9	
21	788.9	1434.4	10.6	-1.5	-2.1	-1.5	1.7	-9693287	0.7	
21	789.2	1433.7	12	-0.4	-2.6	1.2	1.3	-9024785	0.6	
21	789.5	1433.2	11.3	-0.5	-2.5	-0.3	0.8	-8511179	0.5	
21	789.8	1432.8	12.2	0.2	-2.2	1.3	0.3	-8115310	0.1	
21	790.1	1432.7	11.8	-0.7	-2	0.6	-0.1	-7871241	0.3	
21	790.4	1432.9	11.5	-0.5	-1.1	-0.6	-0.5	-7841760	-0.2	
21	790.7	1433.1	12.4	0.1	-0.6	1.7	-0.7	-7991412	-0.1	
21	791	1433.4	10.7	-0.8	0.3	-1.2	-1	-8375000	-0.4	
21	791.3	1433.5	12.6	-0.1	0.5	1.6	-1	-9024785	-0.6	
21	791.6	1433.7	11.7	-0.5	0.8	-0.9	-0.8	-9922986	-0.7	
21	791.9	1433.5	12.4	-0.5	0.6	1.3	-0.5	-1.1E+07	-0.4	
21	792.2	1433.6	10.4	-1.9	0.5	-1.3	-0.2	-1.2E+07	-0.6	
21	792.5	1433.6	12.6	-0.6	0.1	0.5	0.1	-1.4E+07	-1	
21	792.8	1433.5	12.1	-0.3	-0.4	-0.6	0.3	-1.5E+07	-0.8	
21	793.1	1433.5	11.2	-1.8	-0.8	-1.4	0.5	-1.5E+07	-0.7	
21	793.4	1433.5	11	-1.5	-1.1	0	0.6	-1.4E+07	-0.4	
21	793.7	1433.7	10.2	-2.7	-0.9	-2.2	0.5	-1.3E+07	-0.4	
21	794	1433.6	11.9	-0.5	-0.9	0.9	0.4	-1.1E+07	-0.2	
21	794.3	1433.7	10	-2	-0.5	-2.2	0.2	-9783879	0	
21	794.6	1433.8	10.1	-2.3	-0.1	-0.2	-0.1	-8797269	-0.1	
21	794.9	1434.2	10.4	-1.1	0.9	-1.8	-0.4	-8052885	-0.3	
21	795.2	1434.3	12.3	-0.6	1.5	0.2	-0.7	-7613637	-0.5	
21	795.5	1434.5	11.3	0.6	1.8	-0.4	-0.7	-7398410	-0.6	
21	795.8	1434.6	10.6	-1.8	2.2	-1.2	-1	-7424646	-0.7	
21	796.1	1434.7	11.4	-0.2	2.2	0.1	-1	-7613637	-0.8	
21	796.4	1434.6	9.9	-2.2	2.4	-2.5	-1.3	-7961027	-0.9	
21	796.7	1434.5	12	0.2	2.3	0.2	-1.3	-8408635	-1	
21	797	1434.3	10	-0.9	2.2	-2	-1.5	-8871822	-1.1	
21	797.3	1433.9	11.2	-2.5	1.9	-0.2	-1.7	-9389014	-1.2	
21	797.6	1433.5	11	-1.5	1.4	-2.4	-1.8	-9783879	-1.2	
21	797.9	1433.3	11.1	-2.2	1.1	-1.4	-1.8	-9922986	-1	
21	798.2	1433.2	11.1	-0.8	0.8	-0.9	-1.7	-9829812	-0.8	
21	798.5	1433.3	10.9	-2.2	0.8	-1.3	-1.6	-9473982	-0.6	
21	798.8	1433.4	11.1	0.4	0.8	-0.2	-1.6	-9103261	-0.4	
21	799.1	1433.4	11.5	-1.5	0.8	-0.7	-1.6	-8580943	-0.2	
21	799.4	1433.3	11.7	0.6	0.7	0.8	-1.5	-8083977	0.1	
21	799.7	1433.3	10.1	-1.7	0.8	-1.4	-1.5	-7641424	0.2	
21	800	1433.5	12.2	0.6	0.9	2.1	-1.2	-7320804	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	800.3	1433.5	11.8	1.3	0.7	0.3	-0.7	-7097458	0.2	
21	800.6	1433.5	11.8	0.1	0.3	2.5	-0.2	-6979167	0.2	
21	800.9	1433.6	11.8	1.8	0	0.4	0.3	-6932947	0.2	
21	801.2	1433.7	11.9	-0.2	-0.4	0.6	0.9	-7002509	0.1	
21	801.5	1433.8	12	1.4	-0.6	0.6	1.4	-7170377	0	
21	801.8	1434	12	0	-0.5	0.2	1.8	-7346491	-0.2	
21	802.1	1434.1	12.2	0.9	-0.8	1.1	2.3	-7531475	-0.2	
21	802.4	1434.1	9.6	-2.6	-0.6	-2.4	2.1	-7783457	-0.3	
21	802.7	1433.8	12.4	0.6	-0.8	0.4	1.8	-8022031	-0.4	
21	803	1433.6	8	-3.5	-0.3	-5	0.9	-8178711	-0.9	
21	803.3	1433.3	12.4	0	0	-0.6	0	-8178711	-1.4	
21	803.6	1432.9	11.7	1	0.2	-2.1	-0.9	-8052885	-1.7	
21	803.9	1432.5	11.2	-1.4	0.3	-1.6	-1.8	-7841760	-2	
21	804.2	1432.1	11.4	-0.3	0.2	-3.1	-2.6	-7558664	-2.2	
21	804.5	1431.8	11.6	-0.8	0	-2.1	-3.1	-7269965	-2.3	
21	804.8	1431.8	11.2	0.8	-0.1	-2.2	-3.2	-7026007	-2.4	
21	805.1	1432.2	11.3	-1.3	0.1	-2.4	-3	-6820033	-2.4	
21	805.4	1432.4	12.5	0.4	0	0.7	-2.5	-6689297	-2.4	
21	805.7	1433	11.3	0.1	0.2	-2.4	-1.8	-6563480	-2.1	
21	806	1433.5	12.4	1.4	0.2	-1.3	-1	-6502329	-1.7	
21	806.3	1434.3	9.7	-0.5	0.7	-3.6	-0.4	-6442308	-1.6	
21	806.6	1435	12.6	0.7	1.1	1.7	0.3	-6402905	-1.5	
21	806.9	1435.7	10.7	0.7	1.3	-2	0.9	-6344697	-1.3	
21	807.2	1436.2	12.4	2.3	1.4	0.1	1.4	-6306476	-1.1	
21	807.5	1436.3	10.2	-0.2	1.2	-2	1.5	-6306476	-0.8	
21	807.8	1436.2	10.9	-1.4	1	-0.2	1.5	-6325529	-0.6	
21	808.1	1436	10.9	-0.4	0.5	-0.6	1.3	-6344697	-0.4	
21	808.4	1435.7	12.3	1.7	0.1	0.8	1	-6344697	-0.3	
21	808.7	1435.4	12.3	0.9	-0.4	2.2	0.9	-6344697	0.4	
21	809	1435.1	7.5	-2.4	-0.5	-3.4	0.3	-6402905	0.5	
21	809.3	1435.1	11.2	-0.8	-0.6	2.2	-0.2	-6563480	0.6	
21	809.6	1435	11.3	1.3	-0.4	-0.1	-0.7	-6775890	0.7	
21	809.9	1434.9	11.5	0.3	-0.4	1.7	-0.9	-7049664	0.9	
21	810.2	1435.1	8.5	-2.5	-0.1	-0.5	-1	-7346491	1.1	
21	810.5	1435.4	10.8	-0.3	0.3	1.7	-1	-7613637	1.2	
21	810.8	1435.6	10.1	-1	0.7	-0.5	-0.9	-7871241	1.2	
21	811.1	1435.4	11.4	0.5	0.6	1.1	-0.7	-8052885	1.3	
21	811.4	1435.6	10.2	-0.9	0.8	2.2	-0.3	-8052885	1.3	
21	811.7	1436	8.4	-3.1	1.2	-2	-0.1	-7900944	0.8	
21	812	1436.1	11.8	0.1	1.1	0.9	0.2	-7641424	0.2	
21	812.3	1436.2	11.3	1.2	0.8	-0.2	0.7	-7244810	0.3	
21	812.6	1436.2	9.3	-2.9	0.5	0	0.9	-6887336	0.3	
21	812.9	1436.2	9.8	-2	0.4	-1.4	0.8	-6522586	0	
21	813.2	1435.9	11.3	-0.5	0.3	0.1	0.5	-6268713	-0.3	
21	813.5	1435.5	11	-0.8	0.5	-0.7	0.2	-6086483	-0.5	
21	813.8	1435.1	11.2	-0.7	0.4	-0.1	-0.2	-5999284	-0.9	
21	814.1	1434.7	11.2	-0.8	0.3	0.7	-0.6	-5999284	-1.2	
21	814.4	1434.6	10.9	-1.1	0.5	-2.1	-0.9	-6086483	-1.4	
21	814.7	1434.5	12.1	-0.1	0.6	-0.5	-1.1	-6194527	-1.5	
21	815	1434.5	10.8	1.2	0.8	-0.4	-1.3	-6287538	-1.3	
21	815.3	1434.6	11.6	-0.8	0.7	0.2	-1.3	-6383384	-1.3	
21	815.6	1434.5	11.7	3.7	0.5	-0.1	-1.3	-6502329	-1	
21	815.9	1434.3	11	-1.4	0.4	-0.2	-1.3	-6604890	-0.5	
21	816.2	1434.1	10.7	-1	0.4	-0.1	-1.3	-6667994	0	
21	816.5	1434	10.2	-1	0.6	-0.2	-1.5	-6732315	0.2	
21	816.8	1433.8	11.3	-0.1	0.4	1.1	-1.6	-6754032	0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	817.1	1433.8	11	-0.6	0.5	1.3	-1.7	-6732315	1	
21	817.4	1433.9	10.5	-0.7	0.6	1.8	-1.7	-6667994	1.5	
21	817.7	1434.2	10.4	-0.9	0.9	1.5	-1.7	-6584120	1.6	
21	818	1434.7	10.4	-2.1	1.5	1.1	-1.7	-6442308	1.6	
21	818.3	1434.9	10.4	-0.9	1.7	1.3	-1.7	-6250000	1.6	
21	818.6	1434.9	10.4	-2	1.8	1.6	-1.6	-6051301	1.6	
21	818.9	1435.1	10	0.3	1.9	1.2	-1.3	-5799862	1.5	
21	819.2	1435.3	10.5	-2.1	1.7	1.3	-0.8	-5598262	1.2	
21	819.5	1435.4	9.3	-1.4	1.4	0	-0.5	-5452474	1	
21	819.8	1435.5	9.7	-2.7	1.3	0.2	-0.3	-5368590	0.9	
21	820.1	1435.4	9.4	-0.8	0.7	0.4	0	-5327608	0.8	
21	820.4	1435.3	10	-0.9	0.3	0.2	0.3	-5354860	0.5	
21	820.7	1435.4	10.4	-0.5	0	0.8	0.7	-5438312	0.1	
21	821	1435.3	10.1	-2.2	-0.1	-0.8	0.9	-5583334	-0.3	
21	821.3	1435	10.4	-1.9	-0.4	-0.8	0.9	-5736302	-0.6	
21	821.6	1435	9.5	2	-0.2	-2.2	0.9	-5848464	-0.7	
21	821.9	1435.1	9.6	-1.6	0	-1.5	0.9	-5897888	-0.8	
21	822.2	1435.2	10.4	-0.9	0.3	-0.9	0.8	-5848464	-0.9	
21	822.5	1435.3	9.2	-2.3	0.9	-2.1	0.6	-5674120	-0.9	
21	822.8	1434.8	10.3	1.8	1	-0.9	0.1	-5410207	-0.7	
21	823.1	1434.4	9	-1.8	0.8	-2.4	-0.4	-5119193	-0.5	
21	823.4	1434	10.9	0.8	0.6	0.5	-1	-4835451	-0.3	
21	823.7	1433.8	11.1	-0.3	0.4	0.1	-1.4	-4591557	-0.1	
21	824	1433.4	11.5	1.3	-0.2	1.8	-1.8	-4407895	0.5	
21	824.3	1433.1	11.3	2.9	-0.5	1.6	-2.1	-4290472	0.7	
21	824.6	1432.6	11.2	-0.6	-1	1.5	-2.5	-4255590	0.8	
21	824.9	1432.2	11.3	0	-1.6	2.2	-2.7	-4281698	0.8	
21	825.2	1432.2	11.1	1.8	-1.7	1.1	-2.5	-4371086	0.7	
21	825.5	1432.6	11.4	1.6	-1.6	2.7	-1.9	-4512393	0.7	
21	825.8	1433.5	10	-1.3	-0.8	-0.4	-1.3	-4694507	0.6	
21	826.1	1434.6	11.4	0.4	-0.1	1.4	-0.7	-4903396	0.4	
21	826.4	1435.7	10.8	-0.4	0.7	-0.4	-0.1	-5119193	0.2	
21	826.7	1436.4	11.3	0.1	1.1	0.2	0.4	-5341199	0.1	
21	827	1437.1	10.6	-0.3	1.9	-0.8	0.8	-5553714	0.2	
21	827.3	1437.6	10.6	-1.5	2.4	-0.5	1.1	-5705041	0.2	
21	827.6	1437.9	11.1	0.3	2.7	0.5	1.1	-5767907	0.2	
21	827.9	1437.8	9.9	-1.7	2.7	-1.2	0.8	-5767907	0.1	
21	828.2	1437.3	11.2	-0.5	2.2	0.8	0.3	-5736302	0.1	
21	828.5	1437	9.7	-1.3	1.7	-1	-0.1	-5705041	0.1	
21	828.8	1436.7	11.4	0.7	1.3	1.3	-0.6	-5705041	-0.1	
21	829.1	1436.6	11	0.8	1.3	0.1	-1	-5705041	-0.3	
21	829.4	1436.2	11.9	0.6	0.9	1.3	-1.2	-5689538	-0.5	
21	829.7	1436	11.3	0.3	0.8	0.1	-1.3	-5705041	-0.5	
21	830	1435.9	10.5	0	0.7	-0.8	-1.2	-5736302	-0.6	
21	830.3	1436	11	0.6	0.7	0.7	-0.8	-5752061	-0.7	
21	830.6	1436	11	0.6	0.7	-0.3	-0.4	-5720629	-0.6	
21	830.9	1436.2	10.2	-0.2	0.7	0.2	0.1	-5583334	-0.2	
21	831.2	1436.2	9.2	-1.2	0.8	-1.9	0.3	-5368590	0	
21	831.5	1436.2	9.9	-0.1	0.7	0	0.4	-5106708	0.1	
21	831.8	1435.9	9.7	-0.8	0.6	-1.4	0.2	-4802179	0.1	
21	832.1	1435.3	10.9	1.6	0.1	0.3	-0.1	-4473825	0.1	
21	832.4	1434.9	10.3	0.6	-0.1	-0.1	-0.4	-4170817	0.2	
21	832.7	1434.5	9.3	-0.1	-0.1	-1	-0.9	-3928237	0.1	
21	833	1434.1	10.2	0.2	-0.2	0	-1.4	-3765738	0.1	
21	833.3	1433.7	9.8	-0.6	-0.3	-0.1	-1.9	-3686180	0	
21	833.6	1433.5	10.9	0.8	-0.3	1.5	-2.1	-3686180	0	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	833.9	1433.6	9	-1.4	-0.1	-0.8	-2.1	-3765738	0	
21	834.2	1433.9	10.6	1.1	0.2	1.3	-1.9	-3928237	0	
21	834.5	1434.5	10.1	0.5	0.8	-0.4	-1.3	-4179142	-0.1	
21	834.8	1434.8	10.7	0.3	1.1	0.6	-0.8	-4541757	0	
21	835.1	1435	9.9	0.7	1.3	0.1	-0.3	-4997017	0.1	
21	835.4	1435.4	9.7	-0.6	1.6	-0.2	0.2	-5481021	0.1	
21	835.7	1435.6	9.6	0.6	1.9	-0.2	0.5	-5897888	0.1	
21	836	1435.6	9.6	-1.3	1.9	-0.3	0.6	-6158088	0.2	
21	836.3	1435.4	9.7	-1.4	1.5	0.5	0.5	-6212908	0.2	
21	836.6	1435.2	9	-2.5	1.3	-0.8	0.2	-6051301	0.3	
21	836.9	1434.7	10	-1.3	0.6	0.4	-0.1	-5736302	0.3	
21	837.2	1434.1	9.9	-1.3	0.2	-0.3	-0.7	-5354860	0.3	
21	837.5	1433.4	10.5	-0.8	0	1.5	-1.3	-4961493	0.3	
21	837.8	1433	9.9	-1.2	-0.1	1	-1.7	-4621965	0.3	
21	838.1	1432.7	10	-1.4	-0.2	1.6	-1.9	-4371086	0.3	
21	838.4	1432.8	9.3	-0.7	0	0.8	-1.9	-4204318	0.3	
21	838.7	1433.1	9.8	-1.6	0.2	1.2	-1.6	-4105393	0.2	
21	839	1433.5	9.7	-1.1	0.5	1.4	-1.3	-4073444	0.1	
21	839.3	1433.9	9.7	-1.6	0.7	0.2	-0.9	-4089356	-0.4	
21	839.6	1434.3	10.3	-0.3	1.1	0.8	-0.4	-4129685	-0.5	
21	839.9	1434.3	8.7	-1.9	1.1	-1.5	-0.1	-4179142	-0.5	
21	840.2	1434.2	8.8	-2.3	0.7	-0.9	0.1	-4221271	-0.3	
21	840.5	1434	7.8	-2.1	0.6	-2.1	0.1	-4229798	-0.1	
21	840.8	1433.8	8	-3.2	0.3	-0.7	-0.2	-4212777	0	
21	841.1	1433.6	8	-1.7	0.1	-1.5	-0.6	-4154266	0.2	
21	841.4	1433.5	7.8	-3.6	0	-1.6	-1.1	-4081384	0.4	
21	841.7	1433.4	8.3	-2.7	0.1	-0.5	-1.7	-3995706	0.7	
21	842	1433.2	8.1	-3.8	0.2	-1.3	-2.3	-3928237	0.9	
21	842.3	1433.3	8.9	-2.4	0.4	0.6	-2.6	-3884509	0.9	
21	842.6	1433.7	9	-1.5	0.8	0.9	-2.5	-3863008	0.6	
21	842.9	1434	9.6	-1.4	0.8	1.8	-2.2	-3870148	0.6	
21	843.2	1434.7	8	-3	1.1	-1	-1.6	-3898976	0.5	
21	843.5	1435.2	9.6	-0.6	1.2	1.2	-1	-3957940	0.2	
21	843.8	1435.7	9.9	0.7	1.2	0.8	-0.2	-4026443	0.1	
21	844.1	1436.1	9.4	-0.5	1.2	-0.9	0.5	-4089356	-0.4	
21	844.4	1436.3	10.4	0.7	1.3	-0.4	1.1	-4129685	-0.6	
21	844.7	1436.6	9.6	-1.3	1.2	-0.7	1.5	-4121555	-0.6	
21	845	1436.7	8.7	-1.6	1.1	-1.8	1.5	-4073444	-0.7	
21	845.3	1436.8	9	-0.3	1.4	-2.2	1.2	-3988096	-0.7	
21	845.6	1436.7	11	0.8	1.2	0.9	0.8	-3877315	-0.7	
21	845.9	1436.3	9.1	-0.7	0.9	-2.1	0.2	-3752241	-0.6	
21	846.2	1435.9	10.6	-0.3	0.6	-0.2	-0.4	-3634983	-0.6	
21	846.5	1435.4	11.6	2.6	0.5	0.3	-1	-3536740	-0.7	
21	846.8	1434.7	12.3	1.7	0.2	0.9	-1.5	-3449341	-0.5	
21	847.1	1434.5	10.6	0.5	0.1	-0.2	-1.8	-3377017	-0.3	
21	847.4	1434.4	10.5	-0.2	0.2	0.8	-2	-3333997	-0.2	
21	847.7	1434.4	11.4	1.5	0.1	1.1	-2	-3318146	-0.1	
21	848	1434.8	10.9	1.2	0.4	-0.6	-1.8	-3318146	-0.1	
21	848.3	1435.2	11.6	2	0.6	1.5	-1.6	-3323413	0.3	
21	848.6	1435.6	10.5	0.9	0.8	0.1	-1.3	-3323413	0.5	
21	848.9	1435.7	11.7	2	1	0.7	-1	-3318146	0.5	
21	849.2	1435.7	11.4	2.4	1.3	0.2	-0.8	-3307662	0.6	
21	849.5	1435.8	11.5	1.5	1.4	0.9	-0.7	-3286892	0.6	
21	849.8	1435.7	10.4	0.5	1.4	-0.5	-0.7	-3256221	0.5	
21	850.1	1435.8	11.4	0.9	1.7	0.2	-0.7	-3226118	0.5	
21	850.4	1435.8	11.8	1.9	1.5	0.8	-0.7	-3196565	0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	850.7	1436.2	11.6	1.6	1.6	0.1	-0.6	-3172349	0.2	
21	851	1436.2	11.2	1.9	1.3	0.2	-0.6	-3167550	0.1	
21	851.3	1436.1	11.4	1.6	1.1	-0.3	-0.6	-3191693	-0.1	
21	851.6	1435.8	11.4	1.7	0.9	0	-0.7	-3241100	-0.4	
21	851.9	1435.7	11.9	2.2	0.8	-0.4	-0.7	-3323413	-0.8	
21	852.2	1435.5	12.3	2	0.8	0.2	-0.7	-3438014	-1.3	
21	852.5	1435.3	11.9	3.2	0.7	-1.1	-0.7	-3572953	-1.5	
21	852.8	1435.1	11.8	3	0.7	-1.2	-0.8	-3705753	-1.8	
21	853.1	1435.2	11.9	4.1	0.8	-1.6	-1	-3834707	-1.9	
21	853.4	1435.4	11.7	3.7	1.2	-1.3	-1.1	-3920881	-1.8	
21	853.7	1435.5	11.6	3.6	1.5	-1.1	-1.2	-3965436	-1.6	
21	854	1435.5	10.6	2.8	1.8	-1.8	-1.3	-3935621	-1.6	
21	854.3	1435.4	11.6	3.3	1.8	-0.8	-1.4	-3848806	-1.6	
21	854.6	1435.2	11.1	3	1.6	-2.2	-1.4	-3718917	-1.7	
21	854.9	1434.9	11.6	2.7	1.4	-1.3	-1.4	-3579060	-1.6	
21	855.2	1434.6	10.5	1.5	1.3	-2.2	-1.4	-3460744	-1.5	
21	855.5	1434.6	11.5	1.9	0.9	-0.6	-1.3	-3371579	-1.5	
21	855.8	1434.4	11.2	3.2	0.6	-1.1	-1.3	-3312896	-1.4	
21	856.1	1434.4	10.8	1.2	0.5	-1.2	-1.2	-3281740	-1.2	
21	856.4	1434.3	10.1	0.2	0.3	-1	-1.1	-3281740	-0.9	
21	856.7	1434.3	9.7	0.3	0.5	-1.6	-1.3	-3307662	-0.7	
21	857	1434.4	11	0.6	0.9	-0.1	-1.4	-3355369	-0.7	
21	857.3	1434.4	10.7	1.1	1.1	-0.8	-1.5	-3410017	-0.7	
21	857.6	1434.4	10.6	1.9	1.4	-0.2	-1.6	-3466474	-0.6	
21	857.9	1434.8	9.4	0.4	2	-2.2	-1.7	-3507119	-0.4	
21	858.2	1434.7	10.1	-0.9	2.3	-1.4	-1.8	-3524832	-0.3	
21	858.5	1434.7	10	0.9	2.5	-1.3	-1.9	-3524832	0	
21	858.8	1434.7	9.8	-0.8	2.5	-0.9	-1.7	-3507119	0.2	
21	859.1	1434.7	9.7	-1.9	2.3	-0.6	-1.5	-3477990	0.6	
21	859.4	1434.6	9.7	-2.6	2	-0.9	-1.3	-3443668	0.9	
21	859.7	1434.7	10	-0.6	1.6	-0.5	-1	-3410017	1.3	
21	860	1434.6	9.9	-0.6	0.9	-0.7	-0.7	-3377017	1.4	
21	860.3	1434.3	10.9	-0.5	0	1.2	-0.5	-3350000	1.1	
21	860.6	1434.1	11.2	0.3	-0.5	0.4	-0.4	-3328697	0.6	
21	860.9	1433.8	11.9	0.3	-1	1.3	-0.3	-3312896	0.1	
21	861.2	1433.5	11.7	1.2	-1.5	-0.1	-0.1	-3307662	-0.4	
21	861.5	1433.4	12.1	0.4	-1.6	0.5	-0.1	-3302445	-0.7	
21	861.8	1433.4	12	0.6	-1.4	-0.3	-0.1	-3312896	-0.9	
21	862.1	1433.8	12.9	1.4	-0.9	0.4	-0.2	-3318146	-1.3	
21	862.4	1434.4	13.4	3	-0.2	0.3	-0.3	-3323413	-1.6	
21	862.7	1434.8	12.3	0.9	0.3	-0.6	-0.4	-3333997	-1.7	
21	863	1435.3	12.7	0.9	0.6	-0.7	-0.3	-3360755	-1.4	
21	863.3	1435.5	11.3	-0.3	0.9	-2	-0.4	-3410017	-1.3	
21	863.6	1435.5	13	1.8	1.1	-0.2	-0.4	-3483777	-1.2	
21	863.9	1435.4	12.1	0.7	1.3	-1.5	-0.6	-3566866	-1.2	
21	864.2	1435.2	13.2	1.8	1.1	0	-0.7	-3660403	-1.2	
21	864.5	1435.1	12.5	0.6	0.9	-1.5	-0.8	-3772523	-1.2	
21	864.8	1435.2	13.1	0.8	0.7	-1	-0.7	-3891729	-1.1	
21	865.1	1435.5	11.6	-0.3	0.8	-2.1	-0.5	-4011016	-1.1	
21	865.4	1435.8	12.8	1	0.9	-0.5	-0.4	-4089356	-1.2	
21	865.7	1436.1	12.2	0.3	1	-0.8	-0.3	-4121555	-1.2	
21	866	1436.1	12.3	0.6	1.2	-1.9	-0.4	-4097359	-1.3	
21	866.3	1436.1	12.6	1	1.4	-1.1	-0.4	-4011016	-1.3	
21	866.6	1436.2	12	1.4	1.8	-2.4	-0.5	-3884509	-1.3	
21	866.9	1436.2	12.7	1.1	1.8	-0.5	-0.6	-3772523	-1.3	
21	867.2	1436	12.6	1.5	1.9	-1.7	-0.8	-3666813	-1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	867.5	1435.6	12.9	1.3	1.5	0.3	-1	-3585189	-1.2	
21	867.8	1435.3	11.6	1.1	1.6	-2.3	-1.3	-3548729	-1.1	
21	868.1	1435.2	12.4	0.9	1.6	-0.4	-1.5	-3554754	-1.1	
21	868.4	1435	12.9	1.7	1.6	0	-1.6	-3616149	-1.1	
21	868.7	1434.9	12.7	1.9	1.5	0	-1.6	-3718917	-1.1	
21	869	1434.7	13	2.9	1.2	0.6	-1.5	-3848806	-1	
21	869.3	1434.8	11.3	1.6	1.1	-1.1	-1.4	-3988096	-1	
21	869.6	1434.6	13	2	0.8	0.7	-1.3	-4129685	-1	
21	869.9	1434.6	11.3	0.6	1	-1.6	-1.3	-4246958	-1	
21	870.2	1434.2	12.8	2.2	0.6	0.5	-1.2	-4325930	-1.1	
21	870.5	1434	11.2	1.8	0.4	-1.5	-1.1	-4361980	-1.1	
21	870.8	1433.8	11.3	1.2	0	-0.9	-0.9	-4361980	-1	
21	871.1	1433.8	10.7	0.7	-0.2	-2	-0.7	-4325930	-0.7	
21	871.4	1433.7	10.7	0.9	-0.3	-1.3	-0.7	-4264257	-0.4	
21	871.7	1434	10.1	0.4	-0.3	-1.2	-0.5	-4187500	0.2	
21	872	1434.1	10	0.3	-0.4	-1.5	-0.6	-4105393	0.5	
21	872.3	1434.2	10.8	0.8	-0.4	-0.3	-0.6	-4011016	0.8	
21	872.6	1434.3	10.8	0.9	-0.4	-0.6	-0.5	-3913552	1.1	
21	872.9	1434.3	10.9	0	-0.6	0.5	-0.3	-3827697	1.3	
21	873.2	1434.4	9.5	-1.7	-0.5	-1.3	-0.1	-3738840	1.3	
21	873.5	1434.5	11.3	-0.6	-0.7	1.5	0.2	-3660403	1.2	
21	873.8	1434.7	10.2	-1.5	-0.2	-0.9	0.2	-3597509	0.7	
21	874.1	1434.9	11.8	-0.3	-0.1	0.8	0.2	-3554754	0.2	
21	874.4	1435.5	11	-1	0.5	-0.7	0.3	-3530776	-0.6	
21	874.7	1435.9	12.6	-0.3	0.9	0.2	0.3	-3518908	-1.3	
21	875	1436.3	12.2	-1.2	1.5	-1.1	0.2	-3507119	-1.9	
21	875.3	1436.4	12.2	-0.1	2.1	-1.7	-0.4	-3495409	-2.2	
21	875.6	1436.2	12.9	0.2	2.3	-0.8	-0.9	-3477990	-2.2	
21	875.9	1436.1	11.4	0.1	2.8	-3.2	-1.6	-3466474	-2.1	
21	876.2	1435.8	13	0	3	-0.3	-2.3	-3455033	-1.7	
21	876.5	1435.5	12.4	0.3	3	-1.6	-2.8	-3438014	-1.1	
21	876.8	1435.3	12.1	-1.1	2.6	-0.6	-2.9	-3426760	-0.1	
21	877.1	1435.2	11.3	-1.2	2.3	-1.4	-3	-3421161	0.9	
21	877.4	1434.9	12.1	-1	1.7	0.4	-2.8	-3415580	1.6	
21	877.7	1435.2	12.4	0.8	1.4	1.1	-2.2	-3421161	1.8	
21	878	1435.2	13.6	0.8	0.9	1.2	-1.6	-3443668	1.2	
21	878.3	1435.3	13.6	1.4	0.3	1.7	-0.8	-3477990	1	
21	878.6	1435.6	13	0.7	0.3	-0.3	-0.3	-3530776	0.5	
21	878.9	1435.8	14.1	1.5	0	0.9	0.2	-3597509	-0.1	
21	879.2	1435.7	14.3	2.3	-0.3	1.1	0.4	-3666813	-0.8	
21	879.5	1435.8	14.6	1.9	0	0.4	0.5	-3745528	-1.6	
21	879.8	1435.6	14.5	1.9	0.1	1.2	0.4	-3827697	-2.1	
21	880.1	1435.6	14.1	1.2	0.2	-1	0.2	-3928237	-2.5	
21	880.4	1435.5	14.4	2.8	0.6	-2	-0.1	-4018714	-2.7	
21	880.7	1435.5	14.4	2	0.9	-1.1	-0.4	-4097359	-2.8	
21	881	1435.5	14.6	1.7	1.2	-1.4	-0.7	-4146040	-2.8	
21	881.3	1435.7	13.8	1.1	1.4	-2.5	-0.8	-4162525	-2.7	
21	881.6	1435.8	12.7	-0.3	2	-2.6	-1	-4162525	-2.7	
21	881.9	1435.4	13.8	2.5	1.5	-0.6	-1.1	-4129685	-1.8	
21	882.2	1435.4	10.3	-2.7	1.8	-4.1	-1.4	-4097359	-1.8	
21	882.5	1435.2	12.8	1.5	1.8	-2.2	-1.6	-4057655	-2	
21	882.8	1434.9	13.8	1	1.4	-1.1	-1.6	-4011016	-2	
21	883.1	1434.7	11.9	0.7	1.2	-2.5	-1.6	-3950472	-2	
21	883.4	1434.5	13.4	2.1	0.8	-0.9	-1.6	-3884509	-2	
21	883.7	1434.3	13.1	2.4	0.4	-1	-1.4	-3820712	-1.6	
21	884	1433.9	10.8	0.1	-0.2	-1.2	-1.3	-3779333	-0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	884.3	1434.1	10.7	0.6	0	-2.2	-1.1	-3752241	-0.2	
21	884.6	1434.4	10.8	0.8	0.2	-0.9	-1	-3745528	-0.5	
21	884.9	1434.4	12	1.2	0.3	-0.4	-0.9	-3738840	0	
21	885.2	1434.6	11.3	0.5	0.5	-1	-0.7	-3738840	0.7	
21	885.5	1434.6	10.3	-0.6	0.7	-0.2	-0.7	-3758977	1.7	
21	885.8	1435.1	10	0.5	1.1	-0.7	-0.5	-3793026	2	
21	886.1	1435	11.2	-0.1	1.2	0.6	-0.6	-3855894	2.3	
21	886.4	1435	10.6	0.4	1.4	2.5	-0.7	-3957940	2.3	
21	886.7	1435.1	11.6	-0.2	1.3	2.3	-0.7	-4097359	2.1	
21	887	1434.9	12.1	1.1	0.7	3.2	-0.7	-4229798	1.9	
21	887.3	1434.8	12	-0.6	0.7	0.7	-0.9	-4380230	0.7	
21	887.6	1434.7	12.2	0	0.5	0.6	-0.9	-4541757	-0.2	
21	887.9	1434.5	12.4	0.2	0.4	1.1	-0.9	-4684005	-0.8	
21	888.2	1434.5	11.9	-1	0.3	-0.1	-0.9	-4813219	-1.3	
21	888.5	1434.5	12.8	1.4	0.1	0.7	-0.7	-4891940	-1.6	
21	888.8	1434.8	10.1	-2.9	0.2	-2.9	-0.5	-4949764	-2.1	
21	889.1	1434.9	12	-0.4	0.1	-1	-0.4	-4961493	-2.3	
21	889.4	1435.3	10.8	-1.3	0.5	-3.6	-0.2	-4985119	-2.3	
21	889.7	1435.5	12	0.7	0.6	-1.5	-0.1	-4997017	-1.9	
21	890	1435.5	11.5	-0.6	0.4	-2.2	0.1	-5020984	-1.2	
21	890.3	1435.3	10.8	-1.6	0.3	-2.1	0	-5033053	-0.7	
21	890.6	1435.2	11.4	-2.2	0.3	-0.8	-0.1	-5057367	-0.1	
21	890.9	1435.3	9.8	-3.8	0.6	-2.7	-0.3	-5081918	0.2	
21	891.2	1435.1	11.3	-1.7	0.3	0.9	-0.5	-5081918	0.7	
21	891.5	1435.2	9.8	-4.3	0.4	-1.6	-0.7	-5081918	0.8	
21	891.8	1435	12.1	-2.2	0.1	2	-0.9	-5045181	0.9	
21	892.1	1435.2	11.3	-3.3	0.3	-0.4	-1	-5020984	0.7	
21	892.4	1435.3	12.9	-1.6	0.6	1.7	-1.1	-4997017	0.4	
21	892.7	1435.4	12.1	-2	0.9	0.4	-1.1	-5008972	0.1	
21	893	1435.4	12.3	-2.1	1	0.7	-1.1	-5033053	-0.3	
21	893.3	1435.5	12.6	-1.8	1.1	1.2	-1	-5094283	-0.6	
21	893.6	1435.8	12.2	-2.4	1.4	-0.9	-0.7	-5169753	-0.9	
21	893.9	1436	12.3	-1.5	1.3	0.4	-0.4	-5234375	-1	
21	894.2	1436.3	11.2	-1.5	1.6	-3.2	-0.2	-5314087	-1.5	
21	894.5	1436.3	12.8	-1	1.1	0.6	0.2	-5396263	-1.5	
21	894.8	1436.2	11.8	1.5	1	-3.2	0.2	-5481021	-1.5	
21	895.1	1435.9	12.8	0	0.6	-0.4	0.2	-5553714	-1.3	
21	895.4	1435.8	11.3	-2.5	0.8	-2.9	-0.1	-5598262	-1.2	
21	895.7	1435.5	11.8	-0.1	0.7	-2	-0.4	-5613271	-1.3	
21	896	1435.1	13.2	-0.2	0.4	-0.7	-0.7	-5628360	-1.2	
21	896.3	1435	12.1	-1	0.4	-1.8	-0.9	-5674120	-1.1	
21	896.6	1434.8	13.6	2.8	0.3	1	-1	-5783840	-0.9	
21	896.9	1434.8	10.1	-0.6	0.6	-3.8	-1.3	-5914548	-0.9	
21	897.2	1434.6	14.1	3.3	0.5	1.8	-1.3	-6086483	-0.9	
21	897.5	1434.8	11.8	-0.2	0.6	-2	-1.1	-6344697	-1	
21	897.8	1434.7	13.7	2.4	0.3	0.8	-0.8	-6667994	-1.2	
21	898.1	1434.9	12.4	2.1	0.3	-0.8	-0.4	-7049664	-1.3	
21	898.4	1434.9	13.2	3.2	0.2	-0.5	-0.1	-7477679	-1.4	
21	898.7	1434.9	13.3	2.1	-0.1	0	0.2	-7900944	-1.3	
21	899	1434.7	12.2	1.6	-0.5	-2.5	0.3	-8146887	-1.2	
21	899.3	1434.7	13.1	1.5	-0.9	1.4	0.6	-8243110	-0.8	
21	899.6	1434.7	11	-1.1	-0.7	-4.1	0.6	-8178711	-0.7	
21	899.9	1434.7	12.8	0.8	-0.9	2.2	0.6	-7961027	-0.5	
21	900.2	1434.5	12	-0.2	-0.8	-1.6	0.3	-7613637	-0.4	
21	900.5	1434.5	12.1	-0.3	-0.7	0.2	0.1	-7195017	0.1	
21	900.8	1434.5	11.4	-0.5	-0.4	-1.4	-0.2	-6820033	0.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	901.1	1434.6	11.9	-0.9	0.2	0.2	-0.7	-6502329	0.1	
21	901.4	1435	13.4	3.3	0.7	1.8	-0.8	-6287538	-0.1	
21	901.7	1435.2	11.6	-0.4	1.3	-0.4	-1.3	-6176254	-0.6	
21	902	1435	14.7	3.9	1	4.2	-1.3	-6176254	-0.7	
21	902.3	1435.2	8.3	-3.7	1.4	-4.4	-1.6	-6287538	-1.1	
21	902.6	1435.3	12.7	1.2	1.5	1.5	-1.5	-6542969	-1.3	
21	902.9	1435.3	11.7	0.9	1.5	-1	-1.4	-6887336	-1.6	
21	903.2	1435.3	13.2	1.8	1.3	1.4	-1.1	-7269965	-1.7	
21	903.5	1435.4	10.2	0.4	1.3	-3	-1	-7669414	-1.7	
21	903.8	1435.5	10.9	-0.4	1.3	-1.5	-0.9	-7900944	-1.5	
21	904.1	1435.7	9.8	0	1.2	-1.8	-0.7	-7991412	-0.9	
21	904.4	1436	8.5	-3.6	1.4	-4.1	-0.5	-7930871	-0.6	
21	904.7	1436.1	10.5	-0.8	1.3	0.7	-0.4	-7697610	-0.5	
21	905	1436.1	7.9	-5	1	-4.1	-0.4	-7372359	-0.9	
21	905.3	1435.9	10.2	-1.9	0.7	-1.6	-0.4	-7002509	-0.9	
21	905.6	1435.8	8.9	-3.4	0.7	-4.2	-0.6	-6754032	-1.1	
21	905.9	1435.5	11.1	-1.5	0	0	-0.4	-6689297	-0.6	
21	906.2	1435.2	8.4	-3.8	-0.4	-3	-0.3	-6775890	-0.5	
21	906.5	1435.2	9.7	-2.6	-0.8	-0.1	0	-6955980	-0.4	
21	906.8	1435.2	9.4	-1.8	-1	-0.8	0.1	-7170377	-0.4	
21	907.1	1435.3	10.4	-2.4	-1.1	-0.4	0.3	-7477679	0.1	
21	907.4	1435.6	9.5	-2.3	-1	0.3	0.5	-7841760	0.4	
21	907.7	1435.9	10.2	-2.6	-0.8	-0.2	0.7	-8146887	0.8	
21	908	1436.1	10.9	-0.4	-0.4	1.7	0.8	-8375000	1.1	
21	908.3	1436.4	10.8	-1	0.2	0.1	0.8	-8308532	1.2	
21	908.6	1436.2	10.9	-2.3	0.2	3.1	0.8	-8083977	1.5	
21	908.9	1436.2	9	-3.1	0.8	-1.2	0.3	-7726015	1.2	
21	909.2	1436.2	11.1	-2.5	1.2	2	-0.1	-7346491	0.9	
21	909.5	1436.2	11.3	1.2	1.5	0.6	-0.4	-6955980	0.7	
21	909.8	1436.2	11.4	-2.7	1.8	1.5	-0.8	-6604890	0.2	
21	910.1	1436	12.1	0.3	1.7	1	-1.1	-6287538	-0.1	
21	910.4	1435.6	11.7	-2	1.7	-0.4	-1.6	-6051301	-0.7	
21	910.7	1435.3	12.8	0.4	1.5	1.1	-1.7	-5897888	-0.8	
21	911	1435.2	10.3	-2.9	1.8	-2.5	-1.8	-5848464	-1.1	
21	911.3	1434.9	13.2	-0.1	1.3	3.3	-1.6	-5914548	-1.3	
21	911.6	1435	10.6	-1.6	1.3	-2.9	-1.3	-6051301	-1.5	
21	911.9	1434.8	12.4	-0.7	0.8	-0.1	-0.9	-6287538	-1.4	
21	912.2	1434.8	10.6	-0.4	0.3	-2.8	-0.4	-6563480	-1.4	
21	912.5	1434.9	11.9	-0.9	-0.2	-0.2	0.2	-6955980	-1.6	
21	912.8	1434.9	11.9	-0.1	-0.2	-1.8	0.5	-7398410	-1.6	
21	913.1	1434.5	10.9	-1.2	-0.7	-2.2	0.5	-7871241	-1.7	
21	913.4	1434.1	12.5	1.1	-1.2	0	0.5	-8275692	-1.2	
21	913.7	1434.1	8.1	-3.8	-1	-5.1	0.1	-8580943	-1.7	
21	914	1433.8	12.9	-0.5	-1.4	1.3	-0.1	-8797269	-1.3	
21	914.3	1433.7	10.9	-0.7	-1.2	-2.5	-0.4	-8909575	-1.1	
21	914.6	1433.6	12.6	-2.1	-1.3	1	-0.6	-8871822	-0.6	
21	914.9	1433.8	9	0.7	-0.8	-3.7	-1	-8687760	-0.8	
21	915.2	1433.7	12.6	-0.1	-0.7	1.7	-1.3	-8476721	-0.6	
21	915.5	1434.1	10	-1.7	-0.2	-2	-1.2	-8210785	-0.4	
21	915.8	1434.4	12.4	-0.8	-0.1	2.9	-0.7	-7961027	-0.1	
21	916.1	1435.1	9.8	-0.4	0.4	-0.3	-0.3	-7641424	0	
21	916.4	1435.7	10	-0.9	0.9	-2.1	-0.1	-7346491	-0.2	
21	916.7	1435.8	12.2	2.4	1.1	0.5	-0.1	-7049664	-0.2	
21	917	1436.1	11.4	2.9	1.5	-1.2	-0.1	-6775890	-0.1	
21	917.3	1436.3	12	1.5	1.5	2	0	-6502329	0.2	
21	917.6	1436.6	8.8	0.9	2.1	-3.2	-0.1	-6268713	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	917.9	1436.4	12.3	2.1	1.7	2.3	-0.1	-6068841	0.4	
21	918.2	1436.4	6.4	-2.5	2.1	-6.2	-0.6	-5948154	-0.2	
21	918.5	1435.9	12.2	1.1	1.5	2.3	-0.8	-5864846	0.1	
21	918.8	1435.9	10.8	2.4	1.5	-0.5	-1	-5815972	0.2	
21	919.1	1435.9	12.1	2.4	1.5	0.3	-1.1	-5848464	-0.1	
21	919.4	1435.9	12.3	2.9	1.4	0.7	-1	-5948154	-0.3	
21	919.7	1435.8	11.5	1.1	1.3	-1	-1	-6068841	-0.4	
21	920	1435.5	11.8	2.3	0.9	0.9	-1	-6250000	-0.5	
21	920.3	1435.5	10.8	0.6	1.2	-3.2	-1	-6442308	-0.8	
21	920.6	1435.3	12.5	1.6	0.9	2.7	-0.8	-6710737	-0.5	
21	920.9	1435.4	10.2	-0.6	1	-3.5	-0.5	-7002509	-0.9	
21	921.2	1435.2	13	2.1	0.8	0.1	-0.3	-7269965	-1	
21	921.5	1435.2	11.3	2.3	0.6	-1.9	0	-7477679	-0.7	
21	921.8	1434.8	11.3	0.2	0.1	-1.4	0	-7586051	-0.7	
21	922.1	1434.7	12.3	1	-0.1	-0.3	0.1	-7586051	-0.3	
21	922.4	1434.6	12	0.6	-0.1	-0.4	0.2	-7424646	-0.4	
21	922.7	1434.2	14	1.9	-0.6	1.9	0.3	-7073480	-0.5	
21	923	1434	12.2	0.5	-0.7	-0.3	0.3	-6667994	-0.7	
21	923.3	1433.8	13.4	0.6	-0.8	1.9	0.2	-6287538	-0.9	
21	923.6	1433.5	13	2.7	-0.7	-0.2	-0.1	-5914548	-1	
21	923.9	1433.3	13	-0.2	-1	1.3	-0.3	-5643531	-1	
21	924.2	1433.5	11.7	1.1	-0.4	-0.7	-0.4	-5438312	-0.9	
21	924.5	1433.5	13.2	0.8	-0.3	0.7	-0.6	-5341199	-1.2	
21	924.8	1433.5	12.3	1.7	0	-0.6	-0.9	-5327608	-1.2	
21	925.1	1433.5	12.3	0.4	0.3	-1.6	-1	-5438312	-0.9	
21	925.4	1433.5	11.2	-0.7	0.5	-1.1	-1.2	-5643531	-0.4	
21	925.7	1433.4	10.9	0	0.5	-1.9	-1.4	-5881320	-0.1	
21	926	1433.5	11.5	-1	0.8	0	-1.5	-6104228	0.3	
21	926.3	1433.9	10.1	2	0.9	-2.3	-1.4	-6287538	0.2	
21	926.6	1433.9	11.7	-1.2	0.4	0.2	-1.2	-6462192	0.6	
21	926.9	1434.1	10.3	-0.6	0.6	-2.5	-1.1	-6604890	0.3	
21	927.2	1434.2	11.5	-1.1	0.4	-0.3	-1	-6667994	0.1	
21	927.5	1434.3	12	3	0.2	-0.8	-0.7	-6646826	-0.1	
21	927.8	1434.4	11.7	-0.9	0.1	-0.5	-0.4	-6625791	-0.1	
21	928.1	1434.8	12	2	0.2	0	0.1	-6584120	0	
21	928.4	1435	10.6	-1.8	0.4	-1.8	0.3	-6646826	-0.1	
21	928.7	1435.5	12.3	2.5	0.6	0.9	0.5	-6797890	-0.3	
21	929	1435.8	12.5	2.5	1.1	-0.8	0.5	-7073480	-0.5	
21	929.3	1435.8	13	0.8	1.1	1	0.5	-7504480	-0.3	
21	929.6	1436	11.5	0.1	1.7	-1.6	0.3	-8083977	-0.5	
21	929.9	1436.1	13.1	1.1	1.8	0.6	0.2	-8834388	-0.9	
21	930.2	1435.8	13.1	4.3	1.9	-0.5	-0.1	-9604358	-1.1	
21	930.5	1435.6	13.1	0.8	1.8	-0.7	-0.3	-1E+07	-1.1	
21	930.8	1435.2	13.1	6.7	1.4	0.1	-0.4	-1E+07	-1.1	
21	931.1	1434.9	12.1	-0.1	1.1	-1.9	-0.7	-9517046	-1.5	
21	931.4	1434.6	13.9	3.1	0.5	-0.1	-0.8	-8651860	-1.7	
21	931.7	1434.4	13.2	1.1	0.2	-1.3	-0.9	-7558664	-1.7	
21	932	1433.9	13.7	1.4	-0.8	0.6	-0.9	-6462192	-1.2	
21	932.3	1433.8	11.2	-0.3	-0.9	-2.9	-1	-5509869	-1.2	
21	932.6	1433.5	13.3	1.5	-1.3	-0.3	-1.2	-4938090	-1.3	
21	932.9	1433.4	13.3	2.5	-1.4	-0.6	-1.3	-4591557	-1.3	
21	933.2	1433.3	13.2	0.7	-1.1	-0.8	-1.4	-4398635	-1.2	
21	933.5	1433.4	12.7	2.5	-0.7	-0.5	-1.6	-4299282	-0.7	
21	933.8	1434	12.2	-0.8	0.2	-1.2	-1.6	-4308128	-0.3	
21	934.1	1434.4	12.6	1.3	0.7	0.1	-1.5	-4417194	0.1	
21	934.4	1435.1	12.2	0.9	1.5	-0.5	-1.1	-4611784	0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	934.7	1435.4	12.6	0.3	1.6	1.5	-0.7	-4914906	1	
21	935	1436.1	11.6	-0.4	2.2	-0.6	-0.2	-5287248	1.1	
21	935.3	1436.5	12.2	-1.8	2.4	0.2	0.1	-5689538	1.1	
21	935.6	1436.5	12.6	0.4	2.1	0.6	0.3	-6104228	0.9	
21	935.9	1436.5	12.9	-0.5	1.7	0.7	0.6	-6584120	0.6	
21	936.2	1436.2	12.4	-0.6	0.9	0.4	0.7	-7073480	0.3	
21	936.5	1436	12.1	-0.9	0.4	-0.2	0.8	-7531475	-0.1	
21	936.8	1435.6	12.7	1	-0.2	0.8	0.6	-7900944	-0.7	
21	937.1	1435.1	13.1	-0.1	-0.6	-0.2	0.2	-8210785	-1.1	
21	937.4	1434.6	13.3	1	-1.2	1.4	-0.1	-8476721	-1.3	
21	937.7	1434.6	13	0.7	-1.3	0.7	-0.2	-8545919	-1.7	
21	938	1434.9	12.6	1.4	-0.9	-0.3	-0.3	-8442541	-2.3	
21	938.3	1435	13	2.1	-0.7	-1.1	-0.3	-8115310	-2.5	
21	938.6	1435.1	12.5	1	-0.6	-1.4	-0.1	-7726015	-2.5	
21	938.9	1435.2	11.9	1.8	-0.5	-1.4	0.2	-7295296	-1.9	
21	939.2	1435.4	10.2	-1.5	-0.2	-3	0.6	-6910066	-1.5	
21	939.5	1435.5	11.8	1.5	0.3	-1.7	1	-6563480	-1.1	
21	939.8	1435.6	9.7	-1.8	0.8	-3.3	1.2	-6306476	-0.3	
21	940.1	1435.6	9.1	-2.9	0.7	-2.1	0.9	-6122076	0.9	
21	940.4	1435.6	8.6	-3.1	0.8	-1.9	0	-6051301	1.4	
21	940.7	1435.5	10.4	-1.6	1	-0.1	-0.9	-6033862	1.6	
21	941	1435.4	10.5	-0.1	1.2	0.3	-1.6	-6033862	1.5	
21	941.3	1434.9	10.7	-1.6	1.3	0.2	-2.5	-6086483	1.3	
21	941.6	1434.3	10.7	-1.8	1.3	0.7	-3.5	-6194527	0.6	
21	941.9	1433.3	11.7	-1.3	1.4	-0.5	-4.7	-6344697	0.1	
21	942.2	1432.7	12.2	0.7	1.7	1	-5.5		-0.9	
21	942.5	1433.4	11.3	-1.8	1.1	0.7	-4.2		-1.3	
21	942.8	1434.7	11.3	-1.8	1.3	-0.2	-2.9		-1.3	
21	943.1	1435.7	11.2	-1.9	1.1	-0.8	-1.7		-1.3	
21	943.4	1436.4	10.9	-2.2	1.3	-1.9	-0.9		-1.4	
21	943.7	1437	11.8	-0.3	1.2	0.2	0		-1.2	
21	944	1437.6	11	-2.9	1.4	-1.8	0.9		-1	
21	944.3	1437.6	12.8	-0.4	1.3	0.7	1.6		-1	
21	944.6	1437.4	10.9	-2.8	1	-1.9	2.2		-0.4	
21	944.9	1437.4	9.4	-1.8	0.8	-2.8	2.1		-0.8	
21	945.2	1437	11.8	-1.5	0.3	-0.4	1.8		-0.5	
21	945.5	1437.1	11	-2.3	0.7	-1.4	1.3		-0.7	
21	945.8	1436.7	12.3	-0.9	0.2	0.8	1.1		-0.3	
21	946.1	1436.7	10.1	-2.6	0.5	-2.2	0.7		-0.3	
21	946.4	1436.4	12.8	0.6	0.2	1.5	0.4		-0.4	
21	946.7	1436.2	10.6	-2	0.3	-2.2	0.1		-0.3	
21	947	1435.8	12.6	0.4	0.2	1.5	-0.1		-0.2	
21	947.3	1435.6	11.5	-1.1	0	1	-0.2		0.1	
21	947.6	1435.2	12.2	0.6	0.1	0.8	-0.5		-0.2	
21	947.9	1434.6	12.1	-0.1	-0.3	0.9	-0.7		-0.1	
21	948.2	1434.3	11.5	-1.1	-0.2	0.1	-0.9		-0.2	
21	948.5	1434	12.1	-0.8	-0.3	2.2	-1		-0.1	
21	948.8	1434	10.9	-1.5	-0.1	-0.9	-1.1		-0.4	
21	949.1	1434	12.2	0.1	-0.1	1.3	-1.1		-0.6	
21	949.4	1434	11	-1.7	0	-0.6	-1.1		-0.7	
21	949.7	1434.1	11.8	-1.3			-1		-0.8	
21	950	1434.2	10.7	-2.6			-0.8		-0.8	
21	950.3	1434.2	11.3	-1.7			-0.5		-0.7	
21	950.6	1434.1	10.2	-2.4			-0.4		-0.7	
21	950.9	1434	9.5	-3.5			-0.4		-0.7	
21	951.2	1434	10	-2.5			-0.4		-0.5	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	951.5	1434.2	9.9	-2			-0.2		0.1	
21	951.8	1434.4	9.2	-1			-0.1		1.1	

Perfil	STE Metro CDMX
Lugar Inicial	21km 940.0m
PK Final	22km 861.6m
Sentido De Avance	Incremento
Referencias Trabajo	VIA 1
ID Ruta/Liena	Mexicaltzingo trans Ermita
ID Vía	Via Principal
Hora Inicial	13:31:06 09-dic.-21
Hora Final	13:43:14 09-dic.-21
Versión Software	TOP01S020r0010(74)
Unid. Desplazamiento	Milímetros
Unidad Longitud	Milímetros
Unidad de ángulo	Grados
ID Perfil	L12
Signo del Peralte	Sentido horario
Intervalo adquisición	300.0mm (300.0mm)
Nivel. I superpuesto 1	12600.0mm
Nivel. I superpuesto 2	19000.0mm
Base Radio Derecho	20.0m (20.1m)
Base Radio Curv.Prom D	20.0m
Base Áng.Curv. Prom. D	20.0m
Áng.Curv.Cuerda Der	20.0m
Nivel. D superpuesto 1	20.0m
Nivel. D superpuesto 2	20.0m
Temp. Sistema Inicial	23.6°C
Temp. Sistema final	23.5°C
Ancho Referencia	1435.0mm
Ancho Refcia. Peralte	1500.0mm
Long. Cuerda Delantera	2500.0mm (2400.0mm)
Long. cuerda trasera	2500.0mm (2400.0mm)
Temperatura Nivelación	21.0°C

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	940.3	1434.6	9.4				0.2		-0.1	
21	940.6	1434.8	9.1				0.2		0.2	
21	940.9	1434.9	9.5				0.2		0.5	
21	941.2	1434.9	9.5				0.1		0.5	
21	941.5	1434.8	9.9				0		0.4	
21	941.8	1434.9	10.1				-0.1		0.4	
21	942.1	1434.9	11				-0.1		0.3	
21	942.4	1435.1	10.2				-0.1		0.1	
21	942.7	1435.4	11.4		0.5	0.4	-0.1		-0.6	
21	943	1435.6	12.6		0.8	1	-0.1		-1.5	
21	943.3	1435.8	12.4		1.1	-0.2	-0.1		-2.4	
21	943.6	1435.8	12.8		1.4	-0.4	-0.1		-3	
21	943.9	1435.9	11.9		1.8	-2.2	-0.2		-4.1	
21	944.2	1436	13.5		1.9	-0.3	-0.1		-4.6	
21	944.5	1436	12.1		2.1	-3.3	-0.2		-4.9	
21	944.8	1435.7	12.7		1.9	-2.2	-0.4		-4.7	
21	945.1	1435.4	11.3		1.7	-4.4	-0.7		-4.3	
21	945.4	1435	11.2		1.4	-4.1	-1		-3.7	
21	945.7	1434.6	10.8		1.1	-3.7	-1.3		-3	
21	946	1434.2	10.9		0.7	-2.9	-1.4		-2.1	
21	946.3	1433.8	10.1		0.2	-2.6	-1.3		-0.9	
21	946.6	1433.5	8.4		-0.2	-4.1	-1.2		0.2	
21	946.9	1433.3	10		-0.7	-0.5	-1		0.9	
21	947.2	1433.3	10.1		-0.7	-1.3	-0.8		1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	947.5	1433.5	11.3		-0.9	1.1	-0.4		0.7	
21	947.8	1433.7	10.5		-0.9	-0.6	-0.2		0.3	
21	948.1	1433.8	10.7		-0.8	-0.6	-0.1		-0.1	
21	948.4	1434	10.7		-0.4	-1.1	-0.1		-0.7	
21	948.7	1434	11.8		-0.1	-0.4	-0.2		-1.3	
21	949	1433.9	11.9		0.1	-0.2	-0.3		-2.1	
21	949.3	1434	10.8		0.8	-2.9	-0.5		-2.8	
21	949.6	1434	12.2		0.8	-1.3	-0.5		-3.2	
21	949.9	1434.1	10.6		1	-4.2	-0.6		-3.4	
21	950.2	1434.5	11.6		1.3	-2.7	-0.5	-1.6E+07	-3.4	
21	950.5	1434.8	11.6		1.3	-2.7	-0.3	-1.7E+07	-3.4	
21	950.8	1434.9	11.4		1.1	-3	-0.1	-1.8E+07	-3.4	
21	951.1	1434.8	11.8		0.7	-3.7	0.1	-1.8E+07	-3.3	
21	951.4	1434.6	11.7		0.5	-3.8	0.2	-1.8E+07	-3.2	
21	951.7	1434.2	11.7		-0.1	-2.9	0.4	-1.7E+07	-2.8	
21	952	1434	10.6		-0.3	-3.9	0.4	-1.6E+07	-2.6	
21	952.3	1433.8	11.5		-0.5	-2.2	0.4	-1.4E+07	-2.4	
21	952.6	1433.7	11.4		-0.7	-3.1	0.2	-1.3E+07	-2.2	
21	952.9	1433.8	11.1	1.7	-0.8	-3	0.1	-1.1E+07	-1.9	
21	953.2	1433.8	11.3	2.2	-0.5	-2.8	-0.4	-1E+07	-1.8	
21	953.5	1434	12.6	3.1	-0.1	-1.2	-0.7	-9143013	-1.7	
21	953.8	1433.9	12.7	3.2	-0.1	-1.2	-0.9	-8408635	-1.7	
21	954.1	1433.7	12.8	2.9	0	-0.9	-1	-7871241	-1.5	
21	954.4	1433.8	11.7	1.6	0.2	-1.6	-1	-7451068	-1.4	
21	954.7	1433.8	12	1	0.6	-1.5	-1.1	-7145905	-1.5	
21	955	1433.9	13	2.8	0.8	-0.2	-1.1	-7002509	-1.7	
21	955.3	1434.2	12.9	1.5	1	-0.4	-1	-7026007	-1.9	
21	955.6	1434.5	13.1	0.5	1	-0.5	-0.7	-7195017	-2	
21	955.9	1434.9	12.5	0.1	1.1	-1.9	-0.4	-7504480	-2.2	
21	956.2	1435.2	12.6	-0.2	1.1	-1.1	-0.1	-7871241	-2.3	
21	956.5	1435.2	12.8	0.9	1.3	-2.3	-0.1	-8275692	-2.5	
21	956.8	1435.2	13.2	-0.3	1.1	-1	0	-8723959	-2.6	
21	957.1	1434.8	12.5	0.4	0.6	-1.8	0.1	-9143013	-2.6	
21	957.4	1434.7	11.6	-1.1	0.5	-2.9	0.2	-9517046	-2.6	
21	957.7	1434.5	11.6	0.3	0.1	-2.7	0.3	-9783879	-2.5	
21	958	1434.5	12	0.8	-0.1	-2.7	0.4	-9970238	-2.4	
21	958.3	1434.3	11.8	1	-0.5	-2.1	0.5	-1E+07	-2	
21	958.6	1434.4	10.2	-0.7	-0.5	-4	0.5	-1.1E+07	-1.7	
21	958.9	1434.3	12.4	2.3	-0.6	-1.1	0.6	-1.1E+07	-1.5	
21	959.2	1434.3	11.6	3.2	-0.9	-2.3	0.9	-1.2E+07	-1.1	
21	959.5	1434.3	11.3	1.3	-0.9	-1	1.1	-1.3E+07	-0.7	
21	959.8	1434.1	10.8	0.7	-1	-1.9	1.2	-1.4E+07	-0.5	
21	960.1	1434	10.7	-0.6	-1.1	-1.2	1.2	-1.6E+07	-0.4	
21	960.4	1433.8	11.5	1	-1.2	-0.2	1	-1.7E+07	-0.4	
21	960.7	1433.6	11.4	0.7	-1.2	-0.9	0.7	-1.9E+07	-0.4	
21	961	1433.6	12.3	1.6	-1.1	0.6	0.4	-1.9E+07	-0.5	
21	961.3	1433.4	11.2	-0.6	-0.9	-1.4	-0.1	-1.8E+07	-0.7	
21	961.6	1433.4	12.4	0.5	-0.5	-0.5	-0.5	-1.7E+07	-1.1	
21	961.9	1433.3	10.8	0	-0.1	-2.7	-1.1	-1.5E+07	-1.8	
21	962.2	1433.2	12.9	0.7	0.2	-0.8	-1.5	-1.4E+07	-2.4	
21	962.5	1433.3	11.4	0.8	0.8	-2.9	-1.9	-1.2E+07	-2.9	
21	962.8	1433.6	10.6	-1	1.2	-4.7	-2.2	-1.1E+07	-3.4	
21	963.1	1433.8	12.1	0.5	1.6	-3.4	-2.3	-9970238	-3.6	
21	963.4	1434.2	12.3	0.9	1.8	-3.8	-2.2	-9223568	-3.8	
21	963.7	1434.4	11.5	-0.3	2.1	-4.5	-2.1	-8687760	-3.7	
21	964	1434.6	12	0.3	2.2	-4.6	-1.9	-8308532	-3.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	964.3	1434.7	12.1	0.4	2.2	-2.9	-1.6	-8022031	-3.2	
21	964.6	1434.9	11.9	1.3	2.4	-3.7	-1.4	-7812500	-2.6	
21	964.9	1434.9	12.1	0.6	2.1	-2.1	-1	-7697610	-1.8	
21	965.2	1435.3	12.4	1	2	-0.6	-0.6	-7669414	-1.4	
21	965.5	1435.4	12.5	1.4	1.6	-1.4	-0.3	-7697610	-1.4	
21	965.8	1435.5	12.3	1	1.3	-1.8	-0.1	-7726015	-1.4	
21	966.1	1435.3	13.5	0.9	0.8	-0.3	-0.1	-7754630	-1.5	
21	966.4	1435.1	13.6	0.9	0.2	0.1	0	-7754630	-1.4	
21	966.7	1434.9	12.8	0	-0.2	-0.8	0.1	-7783457	-1.3	
21	967	1434.6	13.2	1.5	-0.6	-0.4	0.1	-7812500	-1.4	
21	967.3	1434.3	13.5	1.5	-0.9	-0.3	0.1	-7841760	-1.5	
21	967.6	1434.3	12.7	-0.3	-1.1	-1.3	0.2	-7754630	-1.7	
21	967.9	1434.3	12.9	0	-1	-0.9	0.2	-7613637	-1.7	
21	968.2	1434.4	13.1	0	-0.8	-0.5	0.3	-7398410	-1.6	
21	968.5	1434.8	13.1	0.6	-0.3	-0.6	0.6	-7097458	-1.3	
21	968.8	1435.2	12.2	-0.4	0.3	-1.8	0.8	-6797890	-1.2	
21	969.1	1435.4	12.6	-0.2	0.7	-0.3	0.9	-6462192	-1.1	
21	969.4	1435.4	12.6	-0.6	0.9	-0.9	0.9	-6086483	-1	
21	969.7	1435.4	12.5	0	1.1	-1	0.9	-5689538	-0.9	
21	970	1435.1	12.2	0.6	0.9	-0.4	0.9	-5354860	-0.7	
21	970.3	1434.9	11.7	0.1	0.8	-1.2	0.8	-5106708	-0.7	
21	970.6	1434.4	11.7	-0.3	0.5	-0.9	0.5	-4938090	-0.7	
21	970.9	1433.7	11.3	-0.5	0	-1.6	0.1	-4846644	-0.8	
21	971.2	1433.1	11.9	1.7	-0.3	-0.6	-0.4	-4824309	-0.9	
21	971.5	1432.7	10.8	-1.6	-0.5	-2.1	-0.7	-4891940	-1.1	
21	971.8	1432.5	11.9	0.3	-0.5	-1.5	-0.9	-5045181	-1.6	
21	972.1	1432.4	11.7	0.4	-0.4	-2.2	-1.1	-5300633	-1.9	
21	972.4	1432.3	11.1	0.3	-0.1	-2.6	-1.4	-5643531	-2.1	
21	972.7	1432.3	11.4	0.7	0.1	-2.6	-1.7	-6086483	-2.3	
21	973	1432.5	10.7	-0.8	0.7	-3.4	-1.9	-6625791	-2.5	
21	973.3	1432.4	11.1	-0.3	1.1	-3.2	-2.1	-7295296	-2.7	
21	973.6	1432.4	11	-1.3	1.3	-3.9	-2.1	-8052885	-2.8	
21	973.9	1432.4	11.1	-0.1	1.1	-3	-2	-8871822	-2.8	
21	974.2	1432.5	11	-1.4	1.1	-4.5	-1.9	-9738372	-2.8	
21	974.5	1432.5	11.6	0.8	0.9	-2.9	-1.7	-1E+07	-2.6	
21	974.8	1432.6	11	-1.9	0.6	-3.4	-1.5	-1.1E+07	-2.4	
21	975.1	1432.9	11.8	0.4	0.6	-1.9	-1.2	-1.1E+07	-2.2	
21	975.4	1433	11.6	1	0.2	-2.3	-0.9	-1.1E+07	-2.1	
21	975.7	1433	12	-0.1	0	-1.8	-0.6	-1.1E+07	-2	
21	976	1433.3	12.3	0	0.1	-1.1	-0.3	-1.1E+07	-2	
21	976.3	1433.8	11.9	0.4	0.3	-1.6	-0.1	-1E+07	-2	
21	976.6	1434	13.6	1.6	0.5	0.3	0	-9604358	-2	
21	976.9	1434.3	12.2	0.1	0.8	-1.4	0.1	-9143013	-1.9	
21	977.2	1434.7	13	1.1	1.2	0	0.2	-8834388	-1.7	
21	977.5	1434.7	11.6	-0.5	1.4	-1.9	-0.1	-8580943	-1.6	
21	977.8	1434.9	12.9	0.5	1.5	-0.5	-0.2	-8375000	-1.6	
21	978.1	1434.8	12.4	-0.1	1.5	-1	-0.4	-8243110	-1.6	
21	978.4	1434.7	11.8	-0.5	1.5	-1.5	-0.7	-8115310	-1.5	
21	978.7	1434.8	11.8	-1.7	1.3	-1.4	-0.8	-7991412	-1.5	
21	979	1434.6	11.6	-2	1.2	-2.4	-1	-7871241	-1.6	
21	979.3	1434.3	11.9	-0.9	0.8	-2.1	-1.1	-7754630	-1.9	
21	979.6	1433.9	11.6	-1.6	0.6	-2.5	-1.3	-7669414	-2.4	
21	979.9	1433.9	12	-1.5	0.5	-2.3	-1.1	-7613637	-3	
21	980.2	1434.1	12	-0.7	0.2	-3.3	-0.7	-7531475	-3.4	
21	980.5	1434.3	11.6	-1.3	0.3	-4.2	-0.4	-7451068	-3.4	
21	980.8	1434.4	11.3	-1.8	0.1	-4.4	-0.1	-7398410	-3.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	981.1	1434.7	11.5	-1.6	-0.1	-4.1	0.2	-7424646	-3.8	
21	981.4	1434.9	11.1	-1.1	0.1	-4.3	0.5	-7477679	-3.9	
21	981.7	1434.9	12	-0.6	0	-3.1	0.8	-7558664	-3.8	
21	982	1434.5	10.4	-2.2	-0.1	-3.9	0.9	-7669414	-3.2	
21	982.3	1434.4	11.1	-1.4	-0.2	-3.1	0.9	-7783457	-2.9	
21	982.6	1434.3	11	-1.2	-0.3	-2.7	0.8	-7991412	-2.5	
21	982.9	1434.1	12.4	0.7	-0.6	-1	0.6	-8308532	-2	
21	983.2	1434.2	12.4	0.7	-0.7	0	0.6	-8723959	-1.3	
21	983.5	1434.3	11.8	0.5	-0.7	-0.8	0.5	-9223568	-0.8	
21	983.8	1434	11.4	-0.5	-1.1	-0.6	0.3	-9829812	-0.4	
21	984.1	1433.8	10.7	-0.1	-1.3	-1.5	0.2	-1E+07	-0.2	
21	984.4	1433.5	10.6	-1.3	-1.2	-0.7	-0.1	-1.1E+07	-0.1	
21	984.7	1433.5	10.7	-1	-1.1	-1.1	-0.3	-1.2E+07	-0.2	
21	985	1433.6	10.3	-0.8	-0.9	-1.2	-0.5	-1.4E+07	-0.5	
21	985.3	1433.8	11.3	-0.1	-0.5	-1.6	-0.7	-1.5E+07	-1	
21	985.6	1434.2	10.9	0.2	-0.3	-2.1	-0.7	-1.7E+07	-1.6	
21	985.9	1434.4	12.1	1	0	-1	-0.9	-1.9E+07	-2.5	
21	986.2	1434.7	12.1	1.1	0.6	-1.7	-1.1	-2E+07	-3.3	
21	986.5	1434.9	12	0.9	0.9	-1.2	-1.1	-2E+07	-3.8	
21	986.8	1435.1	12.1	1.1	1.3	-2.2	-1	-2E+07	-4.1	
21	987.1	1435.5	12	0.4	1.6	-2.4	-0.7	-1.9E+07	-4	
21	987.4	1435.7	11	0	1.9	-3.3	-0.6	-1.8E+07	-3.8	
21	987.7	1435.9	11.4	-0.4	1.9	-2.7	-0.4	-1.7E+07	-3.4	
21	988	1436.1	10.3	-1.3	2	-4.1	-0.2	-1.6E+07	-2.8	
21	988.3	1436.3	9.5	-2.5	2.4	-4.6	-0.1	-1.5E+07	-2.2	
21	988.6	1436.3	9.7	-2.6	2.1	-4.1	0.2	-1.5E+07	-1.2	
21	988.9	1436.3	8.2	-3.7	1.9	-5	0.4	-1.4E+07	-1	
21	989.2	1436.1	9.9	-3.7	1.8	-3.9	0.5	-1.4E+07	-0.9	
21	989.5	1435.7	10.1	-2.1	1.2	-3.2	0.6	-1.5E+07	-1.1	
21	989.8	1435.2	10.8	-2.2	0.6	-1.8	0.7	-1.5E+07	-1.2	
21	990.1	1435	10.1	-1.5	0.6	-3.4	0.6	-1.6E+07	-1.6	
21	990.4	1434.4	12.3	-0.6	0	-0.5	0.5	-1.6E+07	-2	
21	990.7	1433.6	11.8	-0.6	-0.7	-1.5	0.3	-1.6E+07	-2.4	
21	991	1433.4	13.1	1.3	-0.9	0.1	0.2	-1.6E+07	-2.8	
21	991.3	1433.1	12.4	0.6	-1	-1	-0.2	-1.6E+07	-3.2	
21	991.6	1432.6	13.8	2.2	-1.3	0.3	-0.4	-1.5E+07	-3.2	
21	991.9	1432.2	12.4	0.5	-1.4	-1.9	-0.5	-1.5E+07	-3.2	
21	992.2	1432	11.9	0.3	-1.1	-1.9	-0.7	-1.5E+07	-3	
21	992.5	1431.8	12.4	0.4	-1.1	-0.3	-0.7	-1.4E+07	-2.6	
21	992.8	1431.8	11.4	-0.6	-1	-2.9	-0.7	-1.4E+07	-2.4	
21	993.1	1431.7	12.3	0.7	-0.8	-0.2	-0.7	-1.4E+07	-2	
21	993.4	1431.9	10.7	-0.6	-0.4	-2.8	-0.8	-1.4E+07	-1.9	
21	993.7	1432.2	12.1	0.6	-0.1	-1.1	-0.7	-1.4E+07	-1.8	
21	994	1432.5	10.8	-0.3	0.4	-2.9	-0.7	-1.3E+07	-1.6	
21	994.3	1432.5	12.1	0.1	0.4	-0.9	-0.5	-1.3E+07	-1.5	
21	994.6	1432.4	10.9	0.5	-0.2	-0.8	0.1	-1.2E+07	-0.4	
21	994.9	1432.2	10.1	-1	-0.2	-1.4	-0.1	-1.1E+07	-0.1	
21	995.2	1432.6	11.5	0.5	-0.2	0.3	0.5	-1.1E+07	-0.2	
21	995.5	1432.8	9.2	-3.2	0	-2.6	0.5	-1E+07	0	
21	995.8	1432.8	10.2	-2.2	-0.2	-0.8	0.5	-9970238	0.2	
21	996.1	1432.9	10.3	-1.5	0	-1.2	0.2	-9922986	0	
21	996.4	1433	10.4	-1	0.1	-0.9	0.1	-1E+07	-0.1	
21	996.7	1433.1	10.7	0	0.6	-1.3	-0.1	-1.1E+07	-0.2	
21	997	1433	10.7	0.1	0.9	-0.8	-0.3	-1.2E+07	-0.2	
21	997.3	1433.1	10.5	-0.2	1.5	-0.9	-0.4	-1.2E+07	-0.5	
21	997.6	1432.9	10.7	0.4	1.7	-1.6	-0.9	-1.4E+07	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
21	997.9	1432.8	11.3	0	1.7	-1.1	-1.3	-1.5E+07	-1.3	
21	998.2	1433.1	11.7	0.8	1.5	0.1	-1	-1.5E+07	-1.7	
21	998.5	1433.2	11	-1.1	1.3	-2.9	-1	-1.5E+07	-2	
21	998.8	1433.1	11.7	-0.4	1	-2.3	-1	-1.5E+07	-2.4	
21	999.1	1432.7	11.6	-0.4	0	-2.2	-0.9	-1.4E+07	-2.6	
21	999.4	1432.4	11.7	-0.4	-0.7	-2.3	-0.8	-1.3E+07	-2.7	
21	999.7	1431.8	11.8	-0.2	-1.6	-1.9	-0.7	-1.1E+07	-2.6	
21	1000	1431.6	11.3	0.3	-2	-2.5	-0.7	-1E+07	-2.5	
22	0.3	1432	13	1.6	-2	-0.6	-0.3	-9738372	-2.5	
22	0.6	1432.3	9.5	-0.8	-1.9	-4.1	-0.4	-9223568	-2.3	
22	0.9	1432.9	13.5	4	-1.7	0.6	-0.3	-8871822	-2	
22	1.2	1433.2	12.8	3.1	-1.4	0.4	-0.1	-8651860	-1.5	
22	1.5	1434	11.7	3.5	-0.5	-1.4	0.2	-8580943	-1.4	
22	1.8	1434.8	12	2.1	0.4	-0.4	0.4	-8580943	-1.5	
22	2.1	1435.2	11.8	1.7	1.2	-1.8	0.5	-8511179	-1.7	
22	2.4	1435.6	11.9	1.1	1.7	-0.9	0.6	-8375000	-1.8	
22	2.7	1435.9	10.9	0.8	1.9	-3.2	0.6	-8178711	-1.9	
22	3	1436.2	10.9	-1.4	2.1	-1.5	0.6	-7961027	-1.9	
22	3.3	1436.5	10.9	-0.9	2.1	-2.8	0.6	-7783457	-1.9	
22	3.6	1436.3	10.2	-2.9	2	-3.8	0.2	-7697610	-2	
22	3.9	1436	11.8	-0.6	1.4	-1.9	-0.1	-7669414	-2	
22	4.2	1435.7	10.2	-3.6	1.1	-3.9	-0.7	-7783457	-2	
22	4.5	1435.2	12	-0.4	0.6	-1.2	-1.1	-7991412	-1.9	
22	4.8	1434.9	10.8	-1.1	0.3	-2.4	-1.4	-8243110	-1.8	
22	5.1	1434.7	11.5	-0.9	-0.1	-1.3	-1.5	-8797269	-1.8	
22	5.4	1434.6	11.4	0	-0.2	-1.4	-1.5	-9264381	-1.5	
22	5.7	1434.7	10	-2.3	-0.3	-2.6	-1.3	-9693287	-1.5	
22	6	1435	11.3	0.6	0.1	-0.9	-1	-9922986	-1.6	
22	6.3	1435.4	11.7	-0.4	0.3	-1.5	-0.5	-1E+07	-1.8	
22	6.6	1435.7	12.2	1.4	0.6	-0.1	-0.1	-9783879	-1.9	
22	6.9	1436.1	10.9	-1.2	0.8	-2.6	0.4	-9431306	-1.9	
22	7.2	1436.4	10.9	0	1.1	-2.2	0.6	-8947650	-1.9	
22	7.5	1436.6	11.2	1.1	1.3	-2.3	0.8	-8408635	-2	
22	7.8	1436.4	11.8	0.3	1.3	-1.9	0.7	-8022031	-2	
22	8.1	1436.1	11.4	2.2	1.1	-1.4	0.4	-7812500	-2	
22	8.4	1435.6	11	0.8	0.8	-2.6	0	-7586051	-2	
22	8.7	1435.1	11.1	0.8	0.5	-2.6	-0.4	-7477679	-1.9	
22	9	1434.7	10.7	0.3	0.1	-2.8	-0.7	-7558664	-1.7	
22	9.3	1434.6	11.2	0.5	0	-1.5	-0.9	-7726015	-1.7	
22	9.6	1434.5	11.6	0.9	-0.2	-1.4	-1	-8022031	-1.7	
22	9.9	1434.4	11.5	1	-0.3	-1.9	-1	-8511179	-1.7	
22	10.2	1434.3	12	1.3	-0.1	-2.1	-0.9	-9183114	-1.7	
22	10.5	1434.5	11.6	0.3	0.2	-1.8	-0.7	-9970238	-1.7	
22	10.8	1434.5	12	0.3	0.4	-1.3	-0.6	-1.1E+07	-1.7	
22	11.1	1434.7	11.9	0.9	0.7	-1.5	-0.4	-1.3E+07	-1.7	
22	11.4	1434.8	11.5	-0.2	1.2	-1.8	-0.4	-1.4E+07	-1.7	
22	11.7	1434.9	11.1	-0.5	1.3	-2.3	-0.4	-1.5E+07	-1.8	
22	12	1435	11.7	0	1.6	-1.8	-0.7	-1.6E+07	-1.9	
22	12.3	1434.8	12.2	0.4	1.5	-1.6	-1.1	-1.5E+07	-2	
22	12.6	1434.3	13	1.7	0.9	-0.8	-1.3	-1.4E+07	-2	
22	12.9	1433.9	12.1	-0.9	0.4	-1.8	-1.4	-1.2E+07	-1.9	
22	13.2	1433.8	12.3	2.8	0.3	-1.8	-1.3	-1E+07	-1.9	
22	13.5	1433.6	12.4	-1.1	0.1	-1.3	-1.1	-9264381	-1.8	
22	13.8	1433.4	12.6	-0.2	-0.2	-1.3	-0.8	-8408635	-1.7	
22	14.1	1433.4	12	0.3	-0.3	-0.8	-0.3	-7871241	-1.5	
22	14.4	1433.7	11.6	-0.4	-0.3	-1.9	0.2	-7726015	-1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	14.7	1434.4	12.2	0.4	-0.1	-0.2	0.9	-7871241	-1.2	
22	15	1435	11.7	-0.2	0.1	-1.9	1.5	-8275692	-1.2	
22	15.3	1435.2	12.4	1.5	0.2	-0.6	1.7	-8947650	-1.1	
22	15.6	1435	12.4	1.5	0.1	-0.9	1.5	-9829812	-1.1	
22	15.9	1434.5	11.9	1	0.1	-1	1	-1.1E+07	-1.1	
22	16.2	1433.9	12.9	2.7	0.1	-0.3	0.4	-1.2E+07	-1.1	
22	16.5	1433.1	11.6	-0.2	0.1	-0.6	-0.4	-1.3E+07	-1.1	
22	16.8	1432.6	12.8	2.6	0.1	1	-0.9	-1.4E+07	-1	
22	17.1	1432.4	10.3	-1.7	0	-1.7	-1.5	-1.4E+07	-0.9	
22	17.4	1432.5	11.8	1	0.1	-0.3	-1.9	-1.4E+07	-0.9	
22	17.7	1432.7	11.6	0.1	0.3	-0.2	-2.1	-1.3E+07	-0.8	
22	18	1433	12.1	0.7	0.4	-0.2	-2	-1.3E+07	-0.8	
22	18.3	1433.2	11.2	1.2	0.5	-0.7	-1.8	-1.2E+07	-0.7	
22	18.6	1433.3	11.6	0.3	0.3	-0.7	-1.4	-1.2E+07	-0.6	
22	18.9	1433.4	10.1	-1.6	0	-1.9	-0.7	-1.2E+07	-0.4	
22	19.2	1433.2	10	-2.2	-0.3	-2.8	-0.3	-1.3E+07	-0.5	
22	19.5	1433.4	10	-0.9	-0.3	-2.1	0.2	-1.3E+07	-1	
22	19.8	1433.5	10.7	-0.2	-0.6	-2.5	0.8	-1.4E+07	-1.3	
22	20.1	1433.8	9.7	-1.5	-0.3	-4.1	1.1	-1.5E+07	-1.5	
22	20.4	1434.2	10.6	-1.2	-0.2	-3.2	1.5	-1.5E+07	-1.6	
22	20.7	1434.5	10.6	-0.8	-0.1	-3.2	1.8	-1.5E+07	-1.6	
22	21	1435	10.6	-0.4	0.4	-3.3	1.8	-1.5E+07	-1.6	
22	21.3	1435.1	11.7	0.6	0.5	-1	1.7	-1.4E+07	-1.6	
22	21.6	1435	11.8	1.1	0.8	-1.6	1.3	-1.4E+07	-1.5	
22	21.9	1434.6	11.9	0.7	0.6	-1.3	0.7	-1.3E+07	-1.4	
22	22.2	1434.1	12	0.4	0.5	-1.2	-0.1	-1.3E+07	-1.2	
22	22.5	1433.4	13	1.5	0.3	0.5	-0.8	-1.4E+07	-1	
22	22.8	1432.9	12.3	0.3	0	-0.4	-1.5	-1.5E+07	-1	
22	23.1	1432.4	13.3	1.7	-0.5	1.2	-1.8	-1.7E+07	-1.1	
22	23.4	1432.2	13.1	1.1	-0.8	0.2	-2	-1.9E+07	-1.1	
22	23.7	1432.4	12.2	0.3	-0.6	-0.7	-2.1		-1.2	
22	24	1432.7	13.9	2.4	-0.6	0.2	-1.8		-1.5	
22	24.3	1433.2	13.6	2.5	-0.6	0.4	-1.2		-1.7	
22	24.6	1433.8	13.3	1.6	-0.3	-0.6	-0.6		-2	
22	24.9	1434.1	13.2	1	-0.2	-0.9	-0.1		-2.3	
22	25.2	1434.5	12.8	-0.2	0	-2.1	0.4	-1.8E+07	-2.3	
22	25.5	1434.8	11.4	-0.7	0.3	-3.8	0.6	-1.4E+07	-2.4	
22	25.8	1435	13	0.7	0.3	-1.4	0.9	-1.2E+07	-2.3	
22	26.1	1435.1	11.7	-0.7	0.4	-2.9	0.9	-1E+07	-2.2	
22	26.4	1435.1	12.5	-0.1	0.3	-2.1	0.9	-9560502	-2.2	
22	26.7	1435.3	11.2	-0.8	0.7	-4.3	0.8	-9264381	-2.2	
22	27	1435.3	11.9	0.3	0.5	-1.8	0.6	-9347098	-2.1	
22	27.3	1435.3	10.7	-1.5	0.7	-3.8	0.2	-9783879	-2.2	
22	27.6	1435.4	12.9	1.2	0.5	-1.3	0.1	-1E+07	-2.5	
22	27.9	1435.4	12.4	0	0.2	-1.1	0.1	-1.2E+07	-2.6	
22	28.2	1435.5	11.2	-1.2	0.2	-3.7	0	-1.3E+07	-2.7	
22	28.5	1435.2	12.7	0.8	0	-0.6	-0.1	-1.5E+07	-2.8	
22	28.8	1435	11	-1.9	0.2	-3.7	-0.3	-1.6E+07	-2.9	
22	29.1	1434.5	13	1.4	-0.3	-0.3	-0.3	-1.7E+07	-2.7	
22	29.4	1434.6	9.8	-3	0	-4.4	-0.3	-1.6E+07	-2.5	
22	29.7	1434.8	11.4	1.1	0.2	-1.6	-0.3	-1.5E+07	-2.2	
22	30	1435	10.7	-1.1	0.3	-3.6	-0.3	-1.3E+07	-1.9	
22	30.3	1435.4	10.5	-1.1	0.8	-2.9	-0.5	-1.1E+07	-1.6	
22	30.6	1435.5	11.4	-0.7	0.8	-0.9	-0.6	-9738372	-0.9	
22	30.9	1435.5	9.4	-1.8	0.9	-3.2	-0.8	-8408635	-0.4	
22	31.2	1435.2	11.1	-0.5	0.5	-0.1	-0.9	-7451068	0.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	31.5	1434.9	10	-0.1	0.2	-2.6	-1	-6775890	0.4	
22	31.8	1434.6	11.6	1.6	-0.3	1.5	-1	-6363982	0.4	
22	32.1	1434.6	11	1	-0.6	-1.1	-0.7	-6140030	0.3	
22	32.4	1434.6	11.8	1.1	-0.8	1.7	-0.5	-6140030	0.2	
22	32.7	1434.8	11.3	1.6	-0.8	-0.2	-0.2	-6306476	0	
22	33	1435.2	11.7	1.1	-0.6	1.1	0.1	-6646826	-0.4	
22	33.3	1435.7	11.7	1.1	-0.2	-0.2	0.3	-7097458	-1.1	
22	33.6	1436.2	11.8	1.2	0.5	-0.9	0.3	-7586051	-1.8	
22	33.9	1436.8	13	1.3	1.3	0.6	0.4	-8083977	-2.2	
22	34.2	1437.3	11.3	-0.5	2.3	-2.9	0.2	-8375000	-2.9	
22	34.5	1437	13.3	1.4	2.5	-0.9	-0.1	-8375000	-3.3	
22	34.8	1436.8	9.9	-2.1	2.9	-5	-0.5	-8052885	-3.5	
22	35.1	1436.3	12.6	-0.4	2.6	-0.5	-0.8	-7558664	-3.4	
22	35.4	1435.8	9	-3.3	2.4	-6.4	-1.3	-6955980	-3.3	
22	35.7	1435.6	12.2	-1.1	1.9	-1.2	-1.4	-6383384	-3	
22	36	1435.5	10.7	-2.4	1.5	-3.7	-1.4	-5864846	-2.5	
22	36.3	1435.3	10.4	-1.8	0.8	-3.1	-1.3	-5424223	-2.1	
22	36.6	1435	11	-2.9	0.1	-1.6	-1.1	-5081918	-1.4	
22	36.9	1434.6	10.8	-2.8	-0.5	-2.7	-0.7	-4802179	-0.5	
22	37.2	1434.2	11	-2.3	-0.8	-0.1	-0.5	-4581510	0.1	
22	37.5	1434.2	8.2	-5	-0.4	-5.1	-0.5	-4426533	-0.2	
22	37.8	1434.2	12.6	-0.2	-0.4	3.2	-0.1	-4308128	-0.4	
22	38.1	1434.5	9.1	-2.3	0	-3.4	0	-4212777	-0.5	
22	38.4	1434.6	11.9	-1.1	0.1	-0.1	0.1	-4162525	-0.6	
22	38.7	1434.7	9.8	-1.9	0.2	-2	-0.1	-4146040	-0.7	
22	39	1434.7	11.2	-1.3	0.5	-1.5	-0.4	-4162525	-1	
22	39.3	1434.5	12.6	1.4	0.6	-0.8	-0.7	-4204318	-1.3	
22	39.6	1434.2	12.5	0.6	0.7	-0.5	-1	-4264257	-1.7	
22	39.9	1433.8	13.6	2.9	0.3	1.7	-1.1	-4361980	-1.8	
22	40.2	1433.6	9.1	-3.8	0.1	-4.5	-1.3	-4464286	-1.8	
22	40.5	1433.4	11.8	-0.6	-0.2	0.4	-1.6	-4571507	-1.8	
22	40.8	1433.4	12.2	1	-0.4	-1.8	-1.6	-4663141	-1.9	
22	41.1	1433.8	11.8	-0.9	-0.3	-0.4	-1.4	-4736991	-1.9	
22	41.4	1434.2	12.4	1.4	-0.2	-1.3	-1.1	-4791190	-2	
22	41.7	1434.6	13.3	0.3	-0.1	-0.3	-0.7	-4791190	-2.1	
22	42	1434.8	11.7	1.9	0.3	-3.4	-0.5	-4747733	-2.2	
22	42.3	1435.1	12	0.6	0.5	-2.1	-0.1	-4621965	-2.2	
22	42.6	1435.4	11	0.3	1	-1.4	0.1	-4445329	-2	
22	42.9	1435.9	10	-0.5	1.7	-3.2	0.2	-4229798	-2	
22	43.2	1436.2	12.2	0.8	2.1	-1.2	0.2	-4011016	-1.9	
22	43.5	1436.4	10.8	1.4	2.5	-3.3	-0.1	-3820712	-1.8	
22	43.8	1436.4	12.3	1.2	2.6	-0.4	-0.4	-3679702	-1.7	
22	44.1	1436.4	10.5	0.5	3	-4.2	-0.9	-3579060	-1.6	
22	44.4	1435.9	13.3	1.7	2.6	1.3	-1.2	-3524832	-1.5	
22	44.7	1435.5	10.2	-0.8	2.5	-3.5	-1.6	-3524832	-1.4	
22	45	1435	11.7	-0.1	2	-0.2	-1.8	-3579060	-1.2	
22	45.3	1434.7	10.7	-0.6	1.4	-1.3	-2	-3692681	-1	
22	45.6	1434.4	10.8	-0.9	1.1	-2.7	-2.1	-3877315	-1	
22	45.9	1434.2	12.8	1.1	0.7	1.1	-2	-4097359	-0.8	
22	46.2	1434.1	9.7	-2.1	0.7	-3.8	-2	-4317011	-0.7	
22	46.5	1434	13	0	0.4	2.1	-1.7	-4493026	-0.3	
22	46.8	1434.2	9.3	-2	0.9	-4.8	-1.6	-4611784	-0.3	
22	47.1	1434.1	12.6	-0.7	0.9	1.2	-1.5	-4632191	-0.4	
22	47.4	1434.3	10.4	0.5	1.2	-3	-1.4	-4591557	-0.4	
22	47.7	1434.6	12	-0.6	1.4	-0.1	-1.2	-4512393	-0.7	
22	48	1434.6	12.9	3.9	1.3	-0.8	-1	-4380230	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	48.3	1434.6	11	-1.2	1.1	-3.4	-0.6	-4229798	-1.2	
22	48.6	1434.4	13.4	2.7	0.6	0.5	-0.3	-4089356	-1.4	
22	48.9	1434.3	10.8	0.4	0.2	-4.2	-0.1	-3988096	-1.8	
22	49.2	1433.8	14.3	3.3	-0.7	1.1	0.2	-3943032	-2	
22	49.5	1433.9	11.8	1	-0.8	-4.1	0.4	-3943032	-2.5	
22	49.8	1434	14.4	3.4	-1.2	0.2	0.8	-3988096	-2.4	
22	50.1	1434.1	12.2	4	-1.1	-3.3	0.8	-4041989	-2.6	
22	50.4	1434.1	14.7	2.1	-1	-0.8	0.6	-4113458	-2.7	
22	50.7	1434.1	13.7	4.6	-0.8	-1	0.3	-4238361	-2.4	
22	51	1434.1	13.3	1.4	-0.5	-1.9	-0.1	-4352911	-2.2	
22	51.3	1434.3	13.4	3.6	-0.1	-0.1	-0.4	-4445329	-2	
22	51.6	1434.4	13.2	2	0.5	-1.5	-1	-4483405	-1.9	
22	51.9	1434.5	14.2	1.6	0.6	0.8	-1.4	-4464286	-1.8	
22	52.2	1434.5	13.3	0.8	0.9	-1	-1.9	-4407895	-1.7	
22	52.5	1434.2	13.8	0.2	0.7	1.4	-2.3	-4299282	-1.8	
22	52.8	1434.4	12.8	3.7	1.1	-1.5	-2.6	-4179142	-1.7	
22	53.1	1434.5	13.6	1.8	1.1	0.1	-2.6	-4041989	-1.7	
22	53.4	1435	12.7	0.5	1.4	-0.8	-2.3	-3906250	-1.7	
22	53.7	1435.4	12.1	0.3	1.4	-0.6	-1.8	-3786167	-1.8	
22	54	1436.1	11.3	-1.1	1.8	-2.2	-1.2	-3699205	-1.9	
22	54.3	1436.6	11.4	-1.9	2	-3.1	-0.7	-3647649	-2.1	
22	54.6	1437	10.8	-0.9	2.1	-2.5	-0.1	-3622405	-1.6	
22	54.9	1437.5	9	-3	2.3	-5.6	0.4	-3634983	-1.8	
22	55.2	1437.8	10.6	-0.4	2	-2.8	1	-3686180	-2.1	
22	55.5	1437.9	10	0	1.7	-5.5	1.4	-3786167	-2.7	
22	55.8	1437.7	10.3	-1.9	1.1	-3.5	1.5	-3935621	-2.7	
22	56.1	1437.3	8.5	-2.3	0.8	-6.6	1.2	-4129685	-2.6	
22	56.4	1436.7	10	-2.3	0.3	-4.1	0.6	-4361980	-2.8	
22	56.7	1436	10.6	0.1	-0.2	-3.7	0.1	-4601649	-2.4	
22	57	1435.6	10.1	-3.2	-0.3	-3.2	-0.5	-4846644	-2.4	
22	57.3	1435.3	11.9	1.7	-0.6	-0.2	-0.9	-5081918	-1.9	
22	57.6	1435.2	9.7	-2	-0.5	-3.3	-1.3	-5300633	-1.8	
22	57.9	1435	12.1	1.4	-0.5	1	-1.5	-5481021	-1.2	
22	58.2	1435.2	9.6	-1.2	-0.1	-3	-1.7	-5613271	-1.1	
22	58.5	1435.2	12.8	0	0.1	2.8	-1.6	-5643531	-0.8	
22	58.8	1435.4	11.3	1.6	0.4	0.1	-1.4	-5628360	-1	
22	59.1	1435.6	12.5	-0.5	0.6	1.8	-1	-5583334	-1.2	
22	59.4	1435.9	11	1.7	0.7	0.3	-0.7	-5495407	-1.2	
22	59.7	1436.1	11.4	-1.2	0.8	-1.1	-0.4	-5396263	-1.4	
22	60	1436.1	11.9	1.5	1	0.1	-0.4	-5234375	-1.6	
22	60.3	1436.1	9.8	-2.2	1.2	-3.2	-0.4	-5081918	-2.1	
22	60.6	1436.2	12.7	-0.2	1.2	1.4	-0.1	-4926471	-2.4	
22	60.9	1436.1	9.9	-1.1	1.5	-4	-0.3	-4802179	-2.5	
22	61.2	1436	10.4	-3	1.8	-2.3	-0.4	-4684005	-2.2	
22	61.5	1436	8.4	-2.4	2.2	-5.4	-0.7	-4561547	-2	
22	61.8	1436.1	8.9	-5.4	2.4	-3.2	-0.9	-4464286	-1.9	
22	62.1	1436	10.4	-1.4	2.5	-2.8	-1.1	-4389413	-1.9	
22	62.4	1435.8	10.8	-3.6	2.5	-2.5	-1.3	-4361980	-1.8	
22	62.7	1435.5	9.8	-2.4	2.2	-2.2	-1.3	-4398635	-1.3	
22	63	1435	8.2	-6.5	1.7	-5.1	-1.5	-4502689	-1	
22	63.3	1434.5	10.1	-3.6	1.3	-0.8	-1.6	-4663141	-0.9	
22	63.6	1433.9	9.8	-3.5	0.9	-2.4	-1.8	-4869186	-0.8	
22	63.9	1433.4	11.1	-2.3	0.2	1.3	-1.7	-5106708	-0.8	
22	64.2	1433.3	9.5	-3.7	0.2	-2.6	-1.7	-5382391	-1	
22	64.5	1433.2	11.2	-3	-0.1	-0.1	-1.6	-5674120	-1.1	
22	64.8	1433.2	11.1	-2.2	0	-2.2	-1.4	-5965100	-1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	65.1	1433.2	11.7	-2.1	-0.2	-0.6	-1	-6212908	-1.4	
22	65.4	1433.4	12	-0.8	-0.1	0.1	-0.5	-6344697	-1.5	
22	65.7	1433.5	10.2	-3.4	-0.2	-3.2	0	-6325529	-1.7	
22	66	1433.5	12.3	-0.4	-0.2	-0.3	0.5	-6176254	-1.7	
22	66.3	1433.8	9.6	-2.5	0.2	-4.7	0.7	-5982143	-1.9	
22	66.6	1433.5	13.3	2	-0.4	1.3	0.8	-5799862	-1.7	
22	66.9	1433.7	10.1	-1.3	-0.2	-4.4	0.7	-5628360	-1.6	
22	67.2	1433.4	13.2	2.4	-0.6	-0.2	0.5	-5481021	-1.5	
22	67.5	1433.2	12	3	-0.9	-2.1	0.3	-5354860	-1.4	
22	67.8	1433	12.7	2.1	-1.2	-1.5	0.1	-5273930	-1.4	
22	68.1	1432.8	13.3	3.3	-1.3	0	-0.1	-5221322	-1.3	
22	68.4	1432.5	12	1.7	-1.3	-2.4	-0.4	-5234375	-1.5	
22	68.7	1432.5	13.7	5.2	-1.3	2.1	-0.4	-5300633	-1.2	
22	69	1432.9	11.1	1.1	-0.6	-3.8	-0.4	-5396263	-1.5	
22	69.3	1433.2	14.7	4.1	-0.3	2.2	-0.4	-5495407	-1.7	
22	69.6	1433.8	12.8	2.7	0.6	-2.3	-0.3	-5613271	-1.7	
22	69.9	1434.3	13.8	1.9	1.2	0.6	-0.4	-5720629	-1.8	
22	70.2	1434.9	13.7	4	1.9	-1.1	-0.4	-5848464	-1.9	
22	70.5	1434.9	13.9	1.8	2.3	-0.8	-0.7	-5999284	-1.9	
22	70.8	1434.8	13.5	3.9	2.3	-0.7	-0.8	-6104228	-1.5	
22	71.1	1434.6	11.2	-1.6	2.4	-4.1	-1.2	-6250000	-1.5	
22	71.4	1434.3	13.5	2.2	2	0.7	-1.6	-6402905	-1.5	
22	71.7	1434.1	11.4	-1.1	1.7	-4.3	-2	-6604890	-1.5	
22	72	1433.7	13.6	2.6	1	0.7	-2.2	-6864754	-1.2	
22	72.3	1433.9	10.7	-0.7	0.7	-4.2	-2.2	-7195017	-1	
22	72.6	1433.7	13.1	1.2	-0.1	-0.4	-1.9	-7586051	-1	
22	72.9	1433.8	12.3	2.5	-0.3	-2.2	-1.5	-7991412	-1.3	
22	73.2	1434.2	13.3	0.6	-0.2	-1.3	-1	-8442541	-2	
22	73.5	1434.4	14	4.1	-0.5	-0.4	-0.4	-8871822	-2.4	
22	73.8	1435	11.5	1.1	0	-4.3	0.2	-9305556	-2.9	
22	74.1	1435.6	13.7	5.3	0.1	-0.8	0.9	-9604358	-3.1	
22	74.4	1436	10.6	1.7	0.4	-5.7	1.3	-9876179	-3.4	
22	74.7	1436.4	14	3.6	0.4	-1	1.7	-1E+07	-3.6	
22	75	1436.4	11.4	0.6	0.4	-4.9	1.8	-1E+07	-3.4	
22	75.3	1436.4	12.5	2.7	0.6	-3	1.7	-9970238	-3.2	
22	75.6	1436.1	11.7	3.5	0.7	-4	1.3	-9738372	-2.9	
22	75.9	1435.9	12.8	2.7	1.1	-2.7	0.7	-9431306	-2.5	
22	76.2	1435.4	12.3	2.5	0.9	-0.9	0.1	-8986052	-1.7	
22	76.5	1435.1	11.5	0.4	0.9	-2.6	-0.5	-8580943	-1.3	
22	76.8	1434.9	12.3	2.8	1.1	0.1	-1	-8243110	-1	
22	77.1	1434.7	12	0.8	1.2	-1.8	-1.5	-7991412	-0.9	
22	77.4	1434.6	12.7	1.6	1.3	0.9	-1.8	-7871241	-0.7	
22	77.7	1434.4	12.3	0.6	1.1	-0.7	-1.9	-7841760	-0.7	
22	78	1434	12.4	0.4	0.9	0.1	-1.9	-7871241	-0.4	
22	78.3	1433.8	12	1.8	0.6	-0.8	-1.6	-7900944	0	
22	78.6	1433.8	11.5	-0.8	0.6	-0.6	-1.1	-7991412	0.1	
22	78.9	1433.8	11.9	2.3	0.4	0.1	-0.7	-8022031	0.1	
22	79.2	1433.6	11.9	-1.4	0	-0.6	-0.3	-8022031	0.1	
22	79.5	1433.6	11.8	1.7	-0.2	-1	0.1	-7930871	0.2	
22	79.8	1433.8	10.7	-2.5	-0.3	-1.7	0.3	-7754630	0	
22	80.1	1433.9	12.2	0.2	-0.3	-0.7	0.4	-7586051	-0.4	
22	80.4	1433.9	12.2	-0.5	-0.4	-1.3	0.5	-7398410	-0.9	
22	80.7	1433.7	12.9	-0.4	-0.7	-1	0.5	-7320804	-1.1	
22	81	1433.3	12.1	0.1	-1.1	-2.1	0.5	-7346491	-1.3	
22	81.3	1433.1	12.3	-1.4	-1.2	-2.2	0.4	-7586051	-1.7	
22	81.6	1432.9	13	1.9	-1.1	-1.7	0.3	-8115310	-2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	81.9	1432.7	14.1	-0.6	-1.4	-1	0.3	-9024785	-2.3	
22	82.2	1432.9	12.2	-0.6	-1.2	-2.5	0.3	-1E+07	-2.4	
22	82.5	1433.2	12.7	-1.1	-0.8	-2.8	0.2	-1.2E+07	-2.4	
22	82.8	1433.6	12.9	-0.8	-0.3	-2.4	0.1	-1.5E+07	-2.4	
22	83.1	1434	13.7	-0.2	0.4	-2.2	-0.1	-1.7E+07	-2.4	
22	83.4	1434	14.2	0.7	0.9	-1.3	-0.4	-1.9E+07	-2.3	
22	83.7	1434	13.8	2.6	1.4	-1.7	-0.7		-2.1	
22	84	1433.8	13.3	-0.2	1.6	-2.2	-1	-1.9E+07	-2	
22	84.3	1434	13.9	2.5	2.1	-2.1	-1.1	-1.7E+07	-1.9	
22	84.6	1433.8	13.9	0.3	2.1	-1.2	-1.3	-1.5E+07	-1.9	
22	84.9	1433.6	14	3.3	1.6	-1.2	-1.3	-1.3E+07	-1.8	
22	85.2	1433.6	13.7	0.6	1.2	-1.7	-1.2	-1.2E+07	-1.7	
22	85.5	1433.7	14.1	1.8	0.8	-1.6	-1	-1.1E+07	-1.6	
22	85.8	1433.8	14.4	1.1	0.7	-1.6	-0.7	-9922986	-1.6	
22	86.1	1433.6	14.5	0.5	0.3	-1.1	-0.6	-9560502	-1.5	
22	86.4	1433.5	14.1	2.6	0.2	-1.2	-0.4	-9473982	-1.4	
22	86.7	1433.3	14	0.3	-0.3	-1.1	-0.2	-9517046	-1.3	
22	87	1433.2	14.3	3.7	-0.5	-0.7	-0.1	-9693287	-1.3	
22	87.3	1433.3	14.2	0.2	-0.4	-1.2	0.1	-9922986	-1.5	
22	87.6	1433.5	14.5	3.1	-0.3	-0.2	0.2	-1E+07	-1.6	
22	87.9	1433.7	14.6	2.1	-0.1	-0.4	0.2	-1E+07	-1.9	
22	88.2	1433.6	14.6	2.9	-0.1	-0.7	0	-1.1E+07	-2.4	
22	88.5	1433.7	14.5	1.7	0.1	-1.2	-0.1	-1.1E+07	-2.5	
22	88.8	1433.5	14.5	2.2	0	-0.9	-0.3	-1.1E+07	-2.5	
22	89.1	1433.7	13.7	2.2	0.1	-1.9	-0.4	-1E+07	-2.5	
22	89.4	1433.7	13.5	1.2	0.2	-1.6	-0.7	-1E+07	-2.4	
22	89.7	1433.7	13.7	1.7	0.2	-1.1	-0.9	-1E+07	-2.1	
22	90	1433.7	12.5	-0.2	0.1	-1.8	-1	-1E+07	-1.2	
22	90.3	1433.5	12.1	-0.2	-0.1	-1.5	-1.1	-1E+07	-0.2	
22	90.6	1433.6	11.5	-0.9	0	-1.6	-1	-1.1E+07	0.5	
22	90.9	1433.8	12	0	0.1	-0.4	-0.7	-1.1E+07	0.9	
22	91.2	1434.2	11.8	0.3	0.2	-0.4	-0.3	-1.1E+07	0.9	
22	91.5	1434.7	12.2	0.3	0.2	0.1	0.2	-1.1E+07	0.9	
22	91.8	1435.1	11.1	-0.8	0.4	-1.3	0.6	-1.1E+07	0.9	
22	92.1	1435.5	11.3	-0.5	0.5	-0.6	0.8	-1E+07	0.7	
22	92.4	1435.7	11.7	1	0.5	-0.2	0.9	-1E+07	0.3	
22	92.7	1435.7	12.3	0.1	0.6	0	0.8	-9876179	-0.3	
22	93	1435.5	12.6	0.4	0.4	-0.2	0.7	-9693287	-0.6	
22	93.3	1435.2	12.2	-0.7	0.4	-1	0.4	-9648618	-0.9	
22	93.6	1435	11.7	-0.4	0.4	-1.5	0	-9829812	-1.1	
22	93.9	1434.8	12.3	0	0.3	-1.3	-0.3	-1E+07	-1.3	
22	94.2	1434.6	13.1	0.1	0.1	-0.4	-0.4	-1.1E+07	-1.4	
22	94.5	1434.6	11.5	-2.6	0.1	-1.9	-0.4	-1.2E+07	-1.5	
22	94.8	1434.8	11.8	-0.4	0.4	-1.4	-0.3	-1.3E+07	-1.5	
22	95.1	1435	11.9	-0.8	0.7	-1.7	-0.2	-1.5E+07	-1.5	
22	95.4	1435.1	13	0.1	0.9	-1.4	-0.1	-1.6E+07	-1.5	
22	95.7	1435	12.6	-1.1	1.1	-1.2	-0.1	-1.8E+07	-1.3	
22	96	1435	12.5	-1.7	1.2	-1.4	-0.1	-1.9E+07	-1.2	
22	96.3	1434.9	12.5	-1.3	1.1	-1.6	-0.1	-2E+07	-1.2	
22	96.6	1434.6	13.1	-0.2	1	-1.2	-0.4	-2E+07	-1.2	
22	96.9	1434.3	12.5	-1.4	0.6	-0.6	-0.6	-1.9E+07	-1.2	
22	97.2	1433.8	11.7	-2.2	0.4	-1.8	-1	-1.8E+07	-1.2	
22	97.5	1433.4	11.9	-2.1	-0.1	-0.9	-1.3	-1.6E+07	-1.3	
22	97.8	1433.1	13.1	-0.6	-0.5	-0.8	-1.5	-1.5E+07	-1.3	
22	98.1	1432.9	12.8	-1.3	-0.6	-1.1	-1.6	-1.4E+07	-1.5	
22	98.4	1432.9	13.7	-0.7	-0.5	-0.7	-1.5	-1.3E+07	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	98.7	1433.1	13.4	-1.1	-0.3	-0.6	-1.2	-1.2E+07	-1.8	
22	99	1433.5	13.2	-0.9	0	-1.6	-0.8	-1.2E+07	-1.9	
22	99.3	1434	12.4	-1.6	0.5	-2.1	-0.4	-1.2E+07	-1.9	
22	99.6	1434.1	12.7	-1.6	0.7	-0.8	-0.1	-1.2E+07	-1.7	
22	99.9	1434.6	11.1	-3.1	1	-2.4	0.2	-1.4E+07	-1.5	
22	100.2	1435	12.3	-2.2	1	-1.6	0.6	-1.6E+07	-1.3	
22	100.5	1435.2	12.1	-2.5	0.9	-2	0.8	-1.9E+07	-1.3	
22	100.8	1434.8	12.8	-1.8	0.3	-0.8	0.7		-1	
22	101.1	1434.4	11.9	-2.6	-0.3	-2.2	0.6		-0.9	
22	101.4	1433.9	12.6	-1.9	-0.8	-0.7	0.3		-0.8	
22	101.7	1433.5	12.7	-1	-1.5	-0.3	0.2		-0.7	
22	102	1433.2	11.8	-1.7	-1.7	-1.4	-0.1		-0.7	
22	102.3	1433.3	12.1	-1.6	-1.9	0.1	-0.2		-0.8	
22	102.6	1433.8	12.1	-0.4	-1.7	-0.9	-0.3		-0.8	
22	102.9	1434.1	12.8	0.7	-1.6	0.1	-0.3	-1.7E+07	-1	
22	103.2	1434.6	11.6	0.1	-1	-2	-0.2	-1.4E+07	-1	
22	103.5	1435	13.1	1.1	-0.4	0	0	-1.2E+07	-1.1	
22	103.8	1435.4	11.9	0.1	0.3	-1.8	0.2	-1.1E+07	-1.1	
22	104.1	1435.5	12.2	0	1	-1	0.2	-1.1E+07	-1.1	
22	104.4	1435.9	12.4	1.3	1.7	-0.3	0.3	-1E+07	-1.1	
22	104.7	1436.3	11.4	0.1	2.3	-2.1	0.4	-1.1E+07	-1.1	
22	105	1436.6	12.2	0.5	2.4	-0.7	0.4	-1.1E+07	-1.2	
22	105.3	1436.8	11.3	-1	2.7	-2.4	0.3	-1.2E+07	-1.5	
22	105.6	1436.7	12.4	-0.2	2.5	-0.7	0.2	-1.2E+07	-1.9	
22	105.9	1436.4	12.1	-0.1	2.3	-2.2	0	-1.3E+07	-2.2	
22	106.2	1435.8	12.6	0.9	1.5	-1	-0.1	-1.5E+07	-2.6	
22	106.5	1435.1	11.6	-0.7	0.9	-2.5	-0.4	-1.7E+07	-2.8	
22	106.8	1434.5	11.4	-1.7	0.2	-2.9	-0.7	-1.9E+07	-2.9	
22	107.1	1433.9	12.6	1.1	-0.6	-1.7	-0.9		-2.9	
22	107.4	1433.7	11.2	-0.6	-1.2	-3.5	-1		-2.7	
22	107.7	1433.5	11.7	-0.2	-1.6	-2.1	-1.1		-2.2	
22	108	1433.4	10.7	-2.3	-1.6	-3.1	-1.1		-1.8	
22	108.3	1433.2	11.1	-1.5	-1.7	-2	-1.1		-1.2	
22	108.6	1433.4	10.1	-2.4	-1.2	-2.9	-1		-0.7	
22	108.9	1433.7	10.5	-2	-0.7	-1.2	-0.7		-0.2	
22	109.2	1434.1	10.5	-2.6	-0.2	-1.1	-0.3		-0.2	
22	109.5	1434.6	11.5	-1	0.1	0.1	0.2		-0.5	
22	109.8	1435.1	11.8	0.1	0.3	0.1	0.7		-0.7	
22	110.1	1435.5	11.8	-0.1	0.4	-0.6	1.1		-0.8	
22	110.4	1435.5	11.6	-1.5	0.2	-0.2	1.3		-1	
22	110.7	1435.5	11.6	-1.2	0.3	-1.1	1.3		-1.3	
22	111	1435.3	12	-1.7	0.1	0.2	1.2		-1.5	
22	111.3	1435	11.5	-1.9	-0.1	-1.4	0.9		-1.7	
22	111.6	1434.6	11.5	-1.7	-0.3	-0.8	0.5		-1.7	
22	111.9	1434.6	9.3	-3.1	-0.1	-4.4	-0.1		-1.6	
22	112.2	1434.5	10.8	-1.9	0.2	-2.2	-0.8		-1.7	
22	112.5	1434.5	11.4	0.3	0.3	-2.2	-1.3		-1.7	
22	112.8	1434.6	10.9	-1.4	0.6	-2.3	-1.7		-1.6	
22	113.1	1434.6	11.8	-0.3	0.7	-1.4	-1.8		-1.3	
22	113.4	1434.7	10.5	-2.3	0.8	-2.6	-1.8		-1.2	
22	113.7	1434.7	12	0.1	0.7	-1.2	-1.6		-1.1	
22	114	1434.8	10.8	-1.8	0.9	-2.5	-1.4		-1	
22	114.3	1434.9	12.6	-0.1	0.4	0.5	-0.9		-0.7	
22	114.6	1435.1	10.9	-0.9	0.2	-1.9	-0.3		-0.4	
22	114.9	1435.6	12	-0.1	0	-1.1	0.4		-0.3	
22	115.2	1435.8	11.6	-0.5	-0.3	-1.6	0.8		-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	115.5	1435.9	12.1	-0.7	-0.5	-0.8	1.1		-0.3	
22	115.8	1436.1	11.9	0.3	-0.6	-1	1.3		-0.3	
22	116.1	1436.2	12.7	-0.4	-0.8	-0.6	1.4		-0.7	
22	116.4	1436.1	13.1	1.2	-1.1	-0.8	1.4		-0.9	
22	116.7	1436.1	13.6	1.4	-1	-1.6	1.3		-1.6	
22	117	1435.9	14	1.6	-1	-0.7	1.1		-2	
22	117.3	1435.9	14.2	2.8	-0.7	-0.9	0.7	-2E+07	-2.4	
22	117.6	1435.9	15	2.8	-0.6	-0.3	0.6		-2.8	
22	117.9	1436	13.5	2.2	-0.5	-2.1	0.5		-3	
22	118.2	1436.2	14.8	2.4	-0.4	-0.7	0.4		-3.1	
22	118.5	1436.5	13.2	1.1	0.1	-2.9	0.3		-3.2	
22	118.8	1436.7	15.3	2.7	0.4	-0.5	0.2		-3.3	
22	119.1	1436.6	14.7	3.1	0.6	-2	-0.1		-3.4	
22	119.4	1436.5	14.5	3.1	0.7	-1.6	-0.2		-3.4	
22	119.7	1436.1	13.5	0.9	0.6	-3.1	-0.4		-3.2	
22	120	1436.1	13.5	2.3	0.6	-2.8	-0.4		-3	
22	120.3	1436.2	13.1	1.4	0.7	-2.6	-0.4		-2.6	
22	120.6	1436.2	12.9	2.2	0.8	-2.6	-0.6		-2.4	
22	120.9	1436.1	13.1	2	0.6	-1.4	-0.7		-1.9	
22	121.2	1436.1	12	1.9	0.8	-3.7	-1		-1.6	
22	121.5	1436.1	13.1	2.6	0.7	-1.1	-0.9		-1.1	
22	121.8	1436.2	11.5	1	0.7	-3.1	-0.7		-0.8	
22	122.1	1436	12.7	1.2	0.5	-0.2	-0.5		-0.7	
22	122.4	1436	11.6	-0.2	0.4	-2.5	-0.4		-0.6	
22	122.7	1435.8	12.6	0.8	-0.2	0.8	-0.1		-0.6	
22	123	1435.9	11.3	-0.3	-0.3	-2.6	0.2		-0.5	
22	123.3	1435.9	12.1	0.5	-0.7	-0.4	0.5		-0.7	
22	123.6	1436	12.8	0.8	-0.7	-1	0.8		-0.8	
22	123.9	1436	11.6	0.1	-0.8	-1.4	0.8		-1.1	
22	124.2	1436	13.1	1.6	-0.9	0.3	0.8		-1.3	
22	124.5	1436	11	1.7	-0.4	-3.7	0.4		-1.7	
22	124.8	1435.9	13.6	2.8	-0.4	0.5	0.3		-1.6	
22	125.1	1436.1	9.3	-2.1	0.4	-5.2	-0.2		-2	
22	125.4	1435.9	14	3.1	0.6	0.9	-0.6		-2.2	
22	125.7	1436.1	10.5	-1.3	1.3	-4.3	-1		-2.3	
22	126	1435.8	14.1	3.6	1.3	0.4	-1.3		-2.1	
22	126.3	1435.8	10.7	-1.3	1.6	-2.6	-1.5	-1.7E+07	-1.7	
22	126.6	1436	11.5	0.7	1.8	-2	-1.5	-1.5E+07	-1.5	
22	126.9	1436	13.4	0.8	1.7	1.3	-1.3	-1.4E+07	-1.4	
22	127.2	1435.9	11.4	0.5	1.6	-2.7	-1.2	-1.4E+07	-1.2	
22	127.5	1435.9	12.4	0.4	1.2	1.2	-0.9	-1.4E+07	-1.1	
22	127.8	1435.8	10.4	-1.2	1.2	-4	-0.7	-1.4E+07	-1.2	
22	128.1	1435.6	12.9	0.8	0.5	1.5	-0.3	-1.3E+07	-1.1	
22	128.4	1435.6	10.3	-1.6	0.7	-4.6	0	-1.3E+07	-1	
22	128.7	1435.3	11.6	-1.1	0.2	-0.1	0.4	-1.2E+07	-1	
22	129	1435.3	10.9	-2.2	0.1	-2	0.5	-1.2E+07	-1.1	
22	129.3	1435.2	10.3	-3.3	0.1	-3.2	0.4	-1.1E+07	-1.3	
22	129.6	1435.1	12.3	-1.7	-0.2	0	0.4	-1.1E+07	-1.3	
22	129.9	1435	10.8	-3.4	-0.3	-3.3	0.4	-1.1E+07	-1.4	
22	130.2	1434.8	12.5	-2.5	-0.7	0.2	0.4	-1.1E+07	-1.5	
22	130.5	1434.6	10.1	-3.4	-0.5	-3.9	0.2	-1.2E+07	-1.6	
22	130.8	1434	13.7	-1.1	-1.1	1.2	0.1	-1.3E+07	-1.7	
22	131.1	1433.6	10.7	-2.5	-1	-3.4	-0.1	-1.4E+07	-1.7	
22	131.4	1433.4	12.2	-3.1	-1.3	0.3	0.1	-1.6E+07	-1.7	
22	131.7	1433.4	11	-3.7	-1.2	-1.9	0.2	-2E+07	-1.8	
22	132	1433.8	10.6	-3.9	-0.9	-2.8	0.5		-2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	132.3	1434	13.1	-0.4	-0.7	0	0.7		-2.1	
22	132.6	1434.3	11.1	-2.4	-0.4	-3.2	0.8		-2.1	
22	132.9	1434.3	11.9	-1.2	-0.3	-1.1	0.7		-2.1	
22	133.2	1434.5	11.2	-1.7	0.3	-4.2	0.4		-2.1	
22	133.5	1434.1	13.3	0.2	0	0.7	0.2		-2.1	
22	133.8	1433.8	9.5	-2.5	0.3	-5.2	-0.4		-2.1	
22	134.1	1433.6	11.9	-1.2	0.3	-1	-0.8	-1.7E+07	-2	
22	134.4	1433.3	10.2	-1.3	0.3	-2.6	-1.4	-1.5E+07	-2	
22	134.7	1433	11.2	-1.5	0.1	-2.7	-1.9	-1.4E+07	-1.9	
22	135	1433.1	12	0.4	0.3	-1.2	-2	-1.3E+07	-1.5	
22	135.3	1433.3	11.8	-0.8	0.4	-0.8	-1.9	-1.2E+07	-1.3	
22	135.6	1433.6	12.9	1.6	0.5	0.6	-1.6	-1.2E+07	-1.1	
22	135.9	1434.1	10.3	-1.8	0.8	-3.6	-1.1	-1.3E+07	-1.1	
22	136.2	1434.4	13	0.2	1	1.2	-0.7	-1.4E+07	-1	
22	136.5	1434.9	10.9	-0.7	1.1	-2.5	-0.1	-1.4E+07	-0.9	
22	136.8	1435.1	11.1	-2	1.4	-0.2	0.2	-1.6E+07	-0.8	
22	137.1	1435.5	10.9	-0.1	1.8	-1.9	0.5	-1.7E+07	-0.9	
22	137.4	1435.3	12.3	-1.3	1.3	0.7	0.6	-1.9E+07	-1	
22	137.7	1435.2	10.6	1.3	1	-2.8	0.5		-0.9	
22	138	1434.9	11.2	-2.8	0.7	-2.1	0.2		-1	
22	138.3	1434.7	12.3	1.8	0.3	-0.2	-0.1		-1	
22	138.6	1434.4	12.1	-2	0	-2	-0.4		-1.1	
22	138.9	1434.1	13.1	2.4	-0.5	0.7	-0.6		-1.1	
22	139.2	1433.7	10.8	-0.7	-1	-2.6	-0.8		-1.1	
22	139.5	1433.4	12.7	-0.7	-1.7	0.8	-0.7		-0.7	
22	139.8	1433.8	9.2	-2.2	-1.4	-4.2	-0.5		-0.7	
22	140.1	1434	13.3	0.9	-1.5	1.9	-0.1		-0.7	
22	140.4	1434.4	11.7	1.3	-1.2	-1.1	0.3		-0.7	
22	140.7	1434.9	12.7	-0.2	-0.8	0.1	0.8		-0.9	
22	141	1435.2	13.1	2.8	-0.3	-0.8	1.1		-1.1	
22	141.3	1435.5	11.7	0.1	0.2	-1.6	1.2		-1.4	
22	141.6	1435.8	13.5	2.6	1.1	-0.1	1.3		-1.7	
22	141.9	1436	11.6	1.3	1.7	-2.4	1.2		-2.2	
22	142.2	1436.1	13.2	0.9	1.8	1.2	1	-1.8E+07	-2.5	
22	142.5	1436.1	10.8	0	2.2	-5.2	0.5	-1.5E+07	-2.8	
22	142.8	1435.6	13	0.5	1.8	-1.8	-0.1	-1.2E+07	-3	
22	143.1	1435.1	11.2	1.1	1.5	-4.9	-0.7	-1.1E+07	-3	
22	143.4	1434.4	13.4	-0.3	0.5	-1.1	-0.9	-9738372	-2.8	
22	143.7	1434.1	10.8	0.1	-0.1	-4.2	-1	-9143013	-2.5	
22	144	1433.2	13	0.8	-1.4	-1.1	-1	-8986052	-2	
22	144.3	1432.9	11	0	-1.9	-3.2	-1	-9103261	-1.5	
22	144.6	1432.8	9.8	-0.8	-2	-3.9	-1.1	-9517046	-1.3	
22	144.9	1432.9	13.1	0	-2	0	-1	-1E+07	-1.3	
22	145.2	1433.4	11.9	0.8	-1.5	-2.6	-0.7	-1.1E+07	-1.5	
22	145.5	1433.7	13.5	1.6	-1.2	0.4	-0.4	-1.2E+07	-1.7	
22	145.8	1434.4	10.4	-0.8	0	-5.6	-0.4	-1.3E+07	-2.2	
22	146.1	1434.9	13.3	0	0.6	0.1	-0.4	-1.4E+07	-2.4	
22	146.4	1435.4	10.7	1.2	1.6	-4.8	-0.5	-1.4E+07	-2.5	
22	146.7	1435.6	13.9	2	1.6	-0.1	-0.3	-1.3E+07	-2.4	
22	147	1435.7	11.5	1.3	1.6	-2.8	-0.2	-1.2E+07	-2.5	
22	147.3	1435.7	12.8	1.6	1.5	-2.8	-0.1	-1.1E+07	-2.7	
22	147.6	1435.6	13.1	1.1	1.1	-1.4	0	-9783879	-2.6	
22	147.9	1435.4	11.5	-0.3	0.9	-3.8	-0.1	-9264381	-2.5	
22	148.2	1435.2	14.1	1.2	0.2	0.4	0.2	-9024785	-2.3	
22	148.5	1435.2	10.9	0.6	0	-4	0.4	-9024785	-2.1	
22	148.8	1435.4	13.1	0.1	-0.2	0.1	0.7	-9223568	-2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	149.1	1435.6	12.2	1.3	-0.1	-3.2	0.8	-9560502	-2.2	
22	149.4	1435.7	13.8	2.7	0	-0.1	0.9	-9970238	-2.5	
22	149.7	1435.7	12.8	1.9	0.3	-2.3	0.9	-1E+07	-2.5	
22	150	1435.6	11.9	-0.4	0.4	-2.7	0.8	-1E+07	-2.6	
22	150.3	1435.5	12	1.4	0.8	-2.1	0.6	-1E+07	-2.7	
22	150.6	1435.1	12.4	1.2	0.9	-3.8	0.3	-9738372	-2.8	
22	150.9	1434.7	12.3	0	0.8	-1.6	-0.1	-8986052	-2.8	
22	151.2	1434.5	11.2	-0.9	0.9	-4.2	-0.5	-8243110	-2.7	
22	151.5	1434.1	12.5	-0.6	0.8	-1.2	-1	-7613637	-2.5	
22	151.8	1433.9	11.3	0.5	0.9	-3.8	-1.3	-7145905	-2	
22	152.1	1433.4	12.5	-0.2	0.7	-0.7	-1.6	-6842320	-1.7	
22	152.4	1433.1	11	1.8	0.5	-2.3	-1.8	-6667994	-1.2	
22	152.7	1432.9	11.4	-1.9	0.4	-1.3	-1.9	-6625791	-1.1	
22	153	1432.6	12.6	0.9	0.3	-0.9	-1.9	-6732315	-0.9	
22	153.3	1432.7	11.4	-1.3	0.3	-1.1	-1.6	-6955980	-0.9	
22	153.6	1432.7	12.4	-0.7	0	0.4	-1.2	-7219828	-0.6	
22	153.9	1433	10.3	-1.4	0.2	-2.4	-0.8	-7424646	-0.6	
22	154.2	1432.9	12.4	-1.1	0.1	0	-0.5	-7531475	-0.4	
22	154.5	1432.9	10.2	-1.4	0.4	-2.5	-0.4	-7558664	-0.4	
22	154.8	1433.1	12.3	-0.9	0.6	0.5	-0.2	-7586051	-0.5	
22	155.1	1433.3	11.2	0.4	1	-1.3	-0.2	-7613637	-0.7	
22	155.4	1433.3	12.8	-0.2	1.1	-0.4	-0.2	-7613637	-0.8	
22	155.7	1433.3	10.8	-0.4	1.3	-1.8	-0.4	-7613637	-0.8	
22	156	1433.4	11.6	-1.8	1.6	-1.4	-0.7	-7641424	-1.1	
22	156.3	1433.2	11.8	1	1.4	-0.3	-1	-7783457	-1.3	
22	156.6	1432.8	12.7	-0.3	1.3	-0.7	-1.3	-7961027	-1.4	
22	156.9	1432.5	12.2	1.2	1	0.2	-1.3	-8115310	-1.4	
22	157.2	1432.4	11.7	1.9	0.6	-2.2	-1.1	-8178711	-1.4	
22	157.5	1432.2	12.3	-0.8	0.2	-0.1	-1	-8115310	-1.3	
22	157.8	1432.2	12.1	0.2	0	-1.9	-0.7	-7961027	-1.3	
22	158.1	1432.2	12.2	-1.3	-0.2	0.3	-0.4	-7783457	-1.1	
22	158.4	1432.3	11.4	1	-0.3	-1.7	-0.1	-7504480	-0.9	
22	158.7	1432.5	11.3	-2	-0.3	-1.2	0.1	-7170377	-0.8	
22	159	1432.6	11.7	1	-0.2	-1.4	0.2	-6842320	-0.7	
22	159.3	1432.8	11	-2.9	0	-2.2	0.1	-6522586	-0.7	
22	159.6	1432.7	12.7	1.2	-0.2	0.4	0	-6250000	-0.8	
22	159.9	1432.6	10.9	-1.9	0	-2.8	-0.3	-6033862	-0.8	
22	160.2	1432.4	12.5	-0.6	-0.4	0.5	-0.4	-5914548	-0.8	
22	160.5	1432.2	10.8	-0.7	-0.3	-3.2	-0.8	-5848464	-1	
22	160.8	1432	12.8	-1.3	-0.4	0	-1	-5864846	-1.2	
22	161.1	1432.2	11.6	0.7	-0.3	-2.3	-1	-5965100	-1.3	
22	161.4	1432.4	12.2	-0.9	-0.3	-0.6	-0.9	-6140030	-1.6	
22	161.7	1432.8	12.9	0.7	-0.4	-0.9	-0.5	-6363982	-1.6	
22	162	1433.4	11.3	-2.5	0	-3	-0.1	-6604890	-1.8	
22	162.3	1433.7	13.5	0.7	0.1	-0.3	0.2	-6864754	-1.7	
22	162.6	1434.2	10.4	-1.5	0.6	-4.5	0.3	-7121599	-1.9	
22	162.9	1434.3	13.9	1.9	0.5	1.2	0.4	-7398410	-1.9	
22	163.2	1434.5	11.8	-0.6	0.7	-3.4	0.3	-7558664	-2	
22	163.5	1434.5	13.9	1.6	0.5	0.8	0.2	-7531475	-1.9	
22	163.8	1434.6	10.7	-0.5	0.9	-4.4	-0.2	-7398410	-2.2	
22	164.1	1434.5	13.4	0.9	0.9	-0.2	-0.6	-7219828	-2.3	
22	164.4	1434.3	12.3	1	0.9	-2.1	-0.9	-7097458	-2	
22	164.7	1434.2	13.3	0.8	0.9	-0.9	-1	-7026007	-2	
22	165	1434.2	13.4	2.4	0.9	0.3	-0.9	-6979167	-1.7	
22	165.3	1434.7	10.8	-0.6	1.4	-4.4	-0.7	-6864754	-1.8	
22	165.6	1435.1	13.6	1	1.6	0.5	-0.4	-6754032	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	165.9	1435.5	10.9	-0.5	2.1	-4.3	-0.3	-6710737	-1.6	
22	166.2	1435.5	13.6	1.2	1.8	1.4	0.1	-6710737	-1.4	
22	166.5	1435.5	9.8	-0.5	2	-5.2	0.1	-6754032	-1.6	
22	166.8	1435.1	13.5	1.1	1.5	0.9	0.2	-6797890	-1.5	
22	167.1	1434.8	11	0.8	1.5	-4	0	-6797890	-1.7	
22	167.4	1434.2	12.5	0.2	1	-1.9	-0.3	-6710737	-2	
22	167.7	1433.7	12.9	1.7	0.3	-0.9	-0.5	-6646826	-1.9	
22	168	1433.4	11	-1.8	-0.3	-2.4	-0.7	-6604890	-2	
22	168.3	1432.8	13.4	2.6	-1.3	0.4	-0.8	-6563480	-1.7	
22	168.6	1432.6	11	-0.6	-1.6	-3.6	-0.9	-6482198	-1.7	
22	168.9	1432.4	13.4	1.6	-2.1	1.6	-0.7	-6383384	-1.3	
22	169.2	1432.5	9.9	-2.8	-1.8	-3.9	-0.7	-6306476	-1.4	
22	169.5	1432.4	13.3	1.1	-2	0.8	-0.5	-6287538	-1.3	
22	169.8	1432.9	11.4	-0.3	-1.4	-2.5	-0.3	-6325529	-1.4	
22	170.1	1433.1	13.1	0.8	-1.4	0.6	0.1	-6422546	-1.1	
22	170.4	1433.7	9.3	-2.8	-0.7	-3.7	0.2	-6563480	-1.1	
22	170.7	1434.4	11.7	-0.5	0.3	-0.2	0.4	-6775890	-1.2	
22	171	1434.7	12.3	0.9	0.8	-0.2	0.5	-7049664	-1.3	
22	171.3	1434.9	11.2	-0.1	1.2	-2.6	0.5	-7346491	-1.4	
22	171.6	1434.9	11.3	-0.4	1.6	-0.9	0.2	-7754630	-1.5	
22	171.9	1435.1	11.5	0.5	1.9	-1.9	-0.1	-8083977	-1.7	
22	172.2	1435	12.6	-0.1	1.7	-0.1	-0.4	-8275692	-1.6	
22	172.5	1435.2	9.9	-1	2.1	-3.9	-0.7	-8308532	-1.9	
22	172.8	1435	12.7	0.2	1.7	1	-0.8	-8210785	-2	
22	173.1	1434.6	8.1	-2.7	1.5	-5	-1.3	-8022031	-2.2	
22	173.4	1434.2	11.5	-1.3	1.2	-2.4	-1.7	-7754630	-2.5	
22	173.7	1433.9	11.4	-0.2	1	-1.9	-1.7	-7451068	-2.4	
22	174	1433.7	11.5	-0.7	0.8	-1.2	-1.5	-7170377	-2.2	
22	174.3	1434.1	10	-2.9	0.9	-2.8	-1	-6955980	-1.8	
22	174.6	1434.5	10.8	-0.5	1.4	-2.8	-0.7	-6775890	-1.8	
22	174.9	1434.5	10.7	-2.8	1.1	-0.2	-0.4	-6646826	-1.2	
22	175.2	1434.5	10.2	-0.2	1.5	-4.2	-0.7	-6542969	-1.7	
22	175.5	1434.4	10.2	-3.7	1.5	-0.5	-0.7	-6462192	-1.2	
22	175.8	1434.6	10.5	-1.3	1.7	-2.2	-0.6	-6344697	-1.3	
22	176.1	1434.3	10.7	-3.2	1.1	-1	-0.7	-6268713	-1.1	
22	176.4	1433.9	9.7	-1	0.8	-3.1	-0.8	-6194527	-0.7	
22	176.7	1433.3	10.6	-2.8	0.3	-0.6	-1.1	-6158088	-0.8	
22	177	1432.7	11	-1.3	-0.3	-0.6	-1.3	-6158088	-0.5	
22	177.3	1432.4	9.6	-3.7	-0.5	-2.2	-1.5	-6176254	-0.6	
22	177.6	1432.3	12.6	-0.8	-0.7	1	-1.3	-6231399	-0.5	
22	177.9	1432.6	10.9	0.1	-0.8	-1	-0.9	-6306476	-0.7	
22	178.2	1432.9	11.3	-2.3	-0.9	0.6	-0.6	-6363982	-0.5	
22	178.5	1433.9	9.9	-1	0.1	-2.9	-0.5	-6422546	-0.6	
22	178.8	1434	12.6	-1	0.1	2.1	-0.4	-6442308	-0.6	
22	179.1	1434.2	10.7	0.9	0.4	-2.5	-0.2	-6383384	-0.7	
22	179.4	1434.1	11.3	-2.2	0.2	0.6	0	-6306476	-0.8	
22	179.7	1434.3	11.8	0.8	0.2	-0.4	0.2	-6194527	-1.1	
22	180	1434.1	12	-0.5	-0.1	-1.2	0.2	-6086483	-1.4	
22	180.3	1434.1	12.3	-0.6	-0.4	-1.1	0.3	-5948154	-1.5	
22	180.6	1434.3	9.8	-1.2	-0.3	-3.3	0.2	-5848464	-1.8	
22	180.9	1434.3	13.7	0.3	-0.9	1.8	0.2	-5720629	-1.9	
22	181.2	1434.6	10.1	-0.9	-0.5	-5.4	0.2	-5613271	-2.4	
22	181.5	1434.7	14.3	0.9	-0.8	1.5	0.6	-5524407	-2.3	
22	181.8	1435.2	8.8	-1.1	0	-5.9	0.6	-5481021	-2.7	
22	182.1	1435.4	12.7	-0.6	0.2	-0.5	0.5	-5452474	-2.9	
22	182.4	1435.7	11	-0.4	0.9	-3.9	0.3	-5466710	-2.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	182.7	1435.8	13	-0.1	1.2	-1.4	0	-5509869	-2.5	
22	183	1435.9	11.3	2	1.3	-1.8	-0.2	-5583334	-2	
22	183.3	1436.1	10.2	-1.5	1.9	-4.6	-0.6	-5767907	-1.9	
22	183.6	1435.7	13.6	1.3	1.7	1.1	-0.9	-6104228	-1.6	
22	183.9	1435.6	10.3	-0.9	2	-4.6	-1.3	-6563480	-1.3	
22	184.2	1435.1	12.8	1.5	1.5	2.6	-1.5	-7145905	-0.8	
22	184.5	1435.1	8.9	-2.6	1.7	-4.6	-1.7	-7726015	-0.7	
22	184.8	1434.9	12.3	-0.3	1.2	0.9	-1.6	-8308532	-0.7	
22	185.1	1435.1	11.6	1.7	1.2	-2.2	-1.4	-8834388	-0.7	
22	185.4	1435.3	12.4	-0.3	1	0.3	-1.1	-9389014	-0.8	
22	185.7	1435.2	12.2	4.1	0.7	0.1	-1	-9693287	-0.8	
22	186	1435.2	11.6	0.1	0.6	-3.1	-0.7	-9648618	-1	
22	186.3	1435	12.9	1.5	0.1	0.3	-0.3	-9389014	-0.7	
22	186.6	1435	10	-1.5	0.3	-4.6	-0.1	-8947650	-0.9	
22	186.9	1434.9	12.9	2.9	-0.2	2.6	0.2	-8511179	-0.9	
22	187.2	1434.9	10.4	-0.4	0.1	-4.2	0.1	-8115310	-1.1	
22	187.5	1434.7	13.2	2.5	0	-0.6	0	-7871241	-1.2	
22	187.8	1435	11.4	1.2	0.2	-3.1	-0.1	-7697610	-1.4	
22	188.1	1434.9	12.5	2.3	0.3	-2	-0.4	-7531475	-1.7	
22	188.4	1434.9	13.8	3.3	0.5	-0.4	-0.5	-7372359	-1.8	
22	188.7	1434.8	13.4	2.7	0.7	-1.8	-0.8	-7295296	-2	
22	189	1434.5	14.7	5	0.4	2.2	-1	-7320804	-1.8	
22	189.3	1434.7	9.9	-0.7	0.5	-5.4	-1.1	-7372359	-2.1	
22	189.6	1434.5	14.7	3.7	0.3	0.5	-1.1	-7451068	-2.3	
22	189.9	1434.3	13.6	4	0.1	-1.8	-0.9	-7531475	-2.3	
22	190.2	1434.5	13.7	1.1	-0.1	0.3	-0.7	-7613637	-2.4	
22	190.5	1434.8	13.4	2.5	0	-1.2	-0.4	-7641424	-2.4	
22	190.8	1434.7	13.2	1.9	-0.2	-1.8	-0.4	-7641424	-2.2	
22	191.1	1434.9	13.5	3.6	-0.3	-1.2	-0.2	-7641424	-1.7	
22	191.4	1435.2	11.4	-1.2	0	-3.9	-0.1	-7558664	-1.6	
22	191.7	1435.7	13.5	2.8	0.2	1.3	-0.1	-7398410	-1.6	
22	192	1435.6	13.5	2.2	0.3	-1.2	-0.3	-7195017	-1.5	
22	192.3	1435.5	13.1	1.3	0.4	-1.2	-0.3	-6979167	-1.3	
22	192.6	1435.5	10.7	-1.3	0.5	-2.6	-0.4	-6754032	-0.9	
22	192.9	1435.5	12	-0.3	0.1	-0.6	-0.3	-6604890	-0.7	
22	193.2	1435.6	11.7	1.9	0.1	-1.8	-0.1	-6522586	-0.7	
22	193.5	1435.9	12.7	-1	-0.1	-1.2	0.3	-6563480	-0.7	
22	193.8	1436.1	12.6	2.5	-0.4	-0.5	0.7	-6689297	-0.6	
22	194.1	1436.5	11.2	-3.1	-0.6	-2.3	1.1	-6955980	-0.5	
22	194.4	1436.7	11.8	3	-0.4	-1.8	1.2	-7372359	-0.5	
22	194.7	1436.5	12.4	-0.3	-0.5	-1.4	1.2	-7991412	-0.4	
22	195	1436.4	11.1	0.1	-0.3	-1	1.1	-8834388	0.3	
22	195.3	1436.6	10.4	-2.6	0.5	-2.7	0.7	-9876179	-0.1	
22	195.6	1436.5	12.4	1.1	1.2	0.4	0	-1.1E+07	-0.4	
22	195.9	1436.4	12.8	2.6	1.8	-1.2	-0.7	-1.2E+07	-0.8	
22	196.2	1436.3	13.7	0.1	2.5	-0.5	-1.3	-1.3E+07	-1.2	
22	196.5	1436.3	12.5	2.2	3.1	-1.6	-1.9	-1.4E+07	-1.5	
22	196.8	1436.2	12.7	-0.1	3.2	-0.7	-2.3	-1.3E+07	-1.8	
22	197.1	1436.1	13.7	4.8	3.2	-0.9	-2.5	-1.3E+07	-2	
22	197.4	1435.7	14.1	1.8	2.5	-0.1	-2.3	-1.2E+07	-2.1	
22	197.7	1435.4	14.1	2.5	1.7	-0.2	-1.9	-1.1E+07	-2.1	
22	198	1435	11.5	-0.9	0.8	-3.6	-1.5	-9922986	-2.3	
22	198.3	1434.6	13.6	1.4	0.2	-1.5	-1.2	-9347098	-2.3	
22	198.6	1434	13.3	1.7	-0.9	-2.7	-0.8	-8834388	-2.3	
22	198.9	1433.6	13.9	1	-1.9	0.1	-0.3	-8511179	-1.9	
22	199.2	1433.9	11.4	1.4	-1.8	-4	0	-8308532	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	199.5	1434.2	12.9	0	-1.8	-1	0.3	-8178711	-1.8	
22	199.8	1434.6	13	2.6	-1.2	-2	0.5	-8146887	-1.9	
22	200.1	1434.6	14	0.8	-1	-1.2	0.5	-8115310	-2	
22	200.4	1434.8	13.3	1.9	-0.4	-1	0.4	-8178711	-2	
22	200.7	1434.9	12.8	0.3	0.3	-3.2	0.2	-8210785	-2	
22	201	1435	13.7	-0.1	0.8	-0.8	0.2	-8408635	-2	
22	201.3	1435.2	11.4	-2	1.7	-4.8	-0.1	-8651860	-2	
22	201.6	1435.2	14.7	0	1.5	2.3	0	-9024785	-1.8	
22	201.9	1435.2	10.5	0.6	1.6	-4.6	-0.2	-9604358	-1.5	
22	202.2	1434.9	12.2	-2.5	1.1	-1.6	-0.4	-1E+07	-1.4	
22	202.5	1434.8	12.3	-1.3	1.5	-3.5	-0.7	-1.1E+07	-1.3	
22	202.8	1434.6	13.1	-0.6	1	-0.1	-0.7	-1.3E+07	-1.3	
22	203.1	1434.2	14.3	0.9	0.4	0.6	-0.6	-1.4E+07	-1.3	
22	203.4	1434.1	11.8	-1.4	-0.1	-2.4	-0.4	-1.6E+07	-1.5	
22	203.7	1433.6	14.6	1.1	-0.7	1.9	-0.3	-1.6E+07	-1.6	
22	204	1433.5	9.8	-1.6	-1	-6.1	-0.1	-1.6E+07	-1.8	
22	204.3	1433.4	14.3	0.8	-1.3	1.1	0.2	-1.5E+07	-1.9	
22	204.6	1433.7	11.7	-1.8	-1.1	-3	0.5	-1.3E+07	-2	
22	204.9	1433.4	14.9	1.8	-1.7	2.2	0.9	-1.1E+07	-1.8	
22	205.2	1433.8	10.5	-0.2	-1.4	-4.6	1.1	-9738372	-1.7	
22	205.5	1433.8	12	0	-1.2	-2.6	1.1	-8616255	-1.7	
22	205.8	1434.1	11.8	0.1	-0.8	-2.2	0.9	-7871241	-1.5	
22	206.1	1434	10.7	-2	-0.4	-3.5	0.5	-7424646	-1.7	
22	206.4	1434	13.6	1	-0.2	1.2	0.1	-7195017	-1.6	
22	206.7	1433.8	12.1	0.9	0	-3.2	-0.3	-7244810	-1.6	
22	207	1433.7	13.3	1.5	0	0.4	-0.7	-7586051	-1.3	
22	207.3	1433.5	9.5	-2.9	0.7	-6.4	-1.3	-8210785	-1.3	
22	207.6	1433.5	13.7	2.6	0.7	1.8	-1.5	-9103261	-1.3	
22	207.9	1433.7	11.5	1.1	1.1	-2.8	-1.7	-1E+07	-1.3	
22	208.2	1433.9	13.2	0.8	1.1	1.4	-1.7	-1.1E+07	-1.2	
22	208.5	1434.2	10.5	-2.3	1.5	-2.9	-1.8	-1.3E+07	-1.2	
22	208.8	1434.7	11.8	-1.9	1.8	-2.3	-1.7	-1.4E+07	-1.3	
22	209.1	1434.8	13.2	0.7	1.8	-0.6	-1.6	-1.4E+07	-1.2	
22	209.4	1435	11.5	-1.2	2	-3.1	-1.5	-1.3E+07	-1.3	
22	209.7	1434.8	14.3	0.6	1.6	2.3	-1.2	-1.2E+07	-1.4	
22	210	1434.8	10.7	-3.4	1.6	-4.4	-1	-1.1E+07	-1.5	
22	210.3	1434.7	14.1	0	1.2	1	-0.5	-9560502	-1.4	
22	210.6	1434.9	9.4	-2.1	1.2	-5.1	-0.3	-8651860	-1.7	
22	210.9	1435	13.7	0.1	0.8	0.8	0.2	-8052885	-1.7	
22	211.2	1435.2	12	-1.3	0.5	-1.8	0.5	-7586051	-1.7	
22	211.5	1435.4	13.1	-0.8	0.1	-1.2	0.9	-7320804	-1.8	
22	211.8	1435.4	13.3	1.9	-0.6	-0.3	1.3	-7121599	-1.6	
22	212.1	1435.3	11.6	-1.3	-0.8	-3.1	1.4	-7073480	-1.6	
22	212.4	1434.8	13.6	0.6	-1.5	1.1	1.5	-7195017	-1.6	
22	212.7	1434.4	11.8	-2.2	-1.8	-3.1	1.5	-7451068	-1.5	
22	213	1434.1	12.5	-0.8	-1.9	0	1.4	-7783457	-1.5	
22	213.3	1433.8	11.8	-1	-1.8	-2.6	1.2	-8083977	-1.5	
22	213.6	1433.7	12.5	-1.2	-1.6	-0.3	0.9	-8308532	-1.5	
22	213.9	1434.1	11.8	0.4	-0.7	-2.3	0.5	-8511179	-1.5	
22	214.2	1434.3	12.5	-2.2	0.2	-1.2	-0.1	-8616255	-1.5	
22	214.5	1434.5	11.9	1.4	1	-1.1	-0.7	-8616255	-1.4	
22	214.8	1434.7	11.2	-1	2	-2.8	-1.3	-8408635	-1.4	
22	215.1	1434.7	12.7	0.4	2.5	-0.8	-1.8	-8022031	-1.4	
22	215.4	1434.4	12.6	-0.5	2.5	-1.2	-2.1	-7586051	-1.3	
22	215.7	1433.8	12.1	-2.2	2.2	-1	-2.3	-7170377	-1.1	
22	216	1433.5	10.7	-1.1	1.9	-2.3	-2.3	-6820033	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	216.3	1433.1	12.1	-2.5	1.2	-0.4	-2.2	-6563480	-0.8	
22	216.6	1433	11.2	1.4	0.5	-1.5	-1.7	-6363982	-0.6	
22	216.9	1433.1	11.6	-2.7	-0.2	-0.3	-1	-6212908	-0.3	
22	217.2	1433.2	11.7	0	-0.8	-0.2	-0.4	-6104228	-0.4	
22	217.5	1433.7	12.4	-2.5	-0.7	-0.5	0.2	-6086483	-0.8	
22	217.8	1433.9	12.4	1.9	-0.7	-0.7	0.6	-6122076	-1.3	
22	218.1	1434	12.2	0.2	-0.5	-1.4	0.7	-6194527	-1.6	
22	218.4	1434.1	11.8	0	-0.3	-1.2	0.6	-6306476	-1.8	
22	218.7	1434.1	11.6	0.9	0.2	-2.6	0.3	-6462192	-2	
22	219	1434	11.7	-1.9	0.5	-2	-0.1	-6667994	-2.2	
22	219.3	1434.1	11.3	-0.8	0.8	-2.7	-0.6	-6979167	-2.4	
22	219.6	1434	11.9	-1.4	1.1	-2.4	-1.2	-7424646	-2.4	
22	219.9	1433.7	11.6	2.1	0.7	-2.9	-1.7	-7961027	-2.2	
22	220.2	1433.7	11	-2.7	0.8	-2.8	-1.9	-8616255	-1.8	
22	220.5	1433.7	11.9	0.4	0.5	-1.3	-1.9	-9223568	-1.6	
22	220.8	1434	11.8	-1.4	0.4	-1.4	-1.6	-9738372	-1.5	
22	221.1	1434	12.3	1.8	0.1	-0.7	-1.4	-9970238	-1.4	
22	221.4	1434.2	11.9	0.1	0.1	-1.5	-1.1	-9829812	-1.4	
22	221.7	1434.6	11.6	-1.6	0.2	-1.2	-0.8	-9264381	-1.3	
22	222	1435.1	12	0.5	0.4	-0.8	-0.4	-8375000	-1.3	
22	222.3	1435.6	12.1	-2.2	0.7	-0.8	0.1	-7398410	-1.3	
22	222.6	1435.7	11.6	0.9	0.9	-1.2	0.3	-6482198	-1.3	
22	222.9	1436.2	11.1	-3	1.4	-2.1	0.5	-5752061	-1.3	
22	223.2	1436.3	11.7	2.3	1.6	-1.4	0.4	-5195410	-1.4	
22	223.5	1436.4	11.5	-2.2	1.8	-1.8	0.3	-4813219	-1.4	
22	223.8	1436.4	12.3	0.3	1.7	-1.2	0.3	-4581510	-1.5	
22	224.1	1436.3	11.8	-1.3	1.6	-1.6	0.2	-4473825	-1.5	
22	224.4	1436.1	11.2	-2.1	1	-2	0.2	-4502689	-1.5	
22	224.7	1435.8	11.7	0.1	0.6	-1.8	-0.1	-4694507	-1.7	
22	225	1435.3	12.1	-1.5	0.1	-1.2	-0.3	-5045181	-1.7	
22	225.3	1434.9	12	0.2	-0.7	-0.9	-0.4	-5553714	-1.7	
22	225.6	1434.7	11.7	-0.8	-0.9	-1.3	-0.5	-6194527	-1.7	
22	225.9	1434.6	11.6	-0.2	-0.8	-1.2	-0.6	-6979167	-1.7	
22	226.2	1434.5	12.1	-0.4	-0.7	-1.2	-0.7	-7871241	-1.8	
22	226.5	1434.4	12.1	0.3	-0.5	-1.1	-0.9	-8723959	-1.8	
22	226.8	1434.8	11.4	-1.1	0.3	-0.9	-1.1	-9347098	-1.6	
22	227.1	1435.1	11.4	-0.5	0.8	-0.9	-1.3	-9560502	-1.5	
22	227.4	1435.4	11.6	0.4	1.4	-1	-1.4	-9347098	-1.3	
22	227.7	1435.8	11.4	-1.3	1.8	-0.3	-1.3	-8909575	-0.9	
22	228	1435.8	10.9	-1.7	1.8	-0.9	-1.3	-8442541	-0.5	
22	228.3	1435.7	10.6	-1.5	1.7	-0.6	-1.1	-8052885	-0.2	
22	228.6	1435.5	10.8	0.1	1.3	-0.4	-1	-7754630	-0.1	
22	228.9	1435.2	11	-1.1	0.8	-0.2	-0.7	-7586051	0.3	
22	229.2	1435.2	10.3	-0.9	0.1	-0.7	-0.2	-7531475	0.7	
22	229.5	1435.4	9.9	-1.7	-0.2	-0.7	0.3	-7586051	0.9	
22	229.8	1435.5	10.5	-1.2	-0.5	-0.1	0.7	-7726015	1	
22	230.1	1435.7	9.7	-2.7	-0.6	-2.3	1	-7930871	0.9	
22	230.4	1435.8	10.9	-1.5	-0.6	-0.6	1.1	-8178711	0.9	
22	230.7	1435.6	10.4	-1.8	-0.4	-1.2	0.9	-8375000	0.9	
22	231	1435.8	10.1	-1.7	0.1	-1.9	0.7	-8476721	0.7	
22	231.3	1435.8	10.9	-0.7	0.7	-1.3	0.2	-8545919	0.4	
22	231.6	1435.7	12	0.3	1.2	-1	-0.4	-8580943	-0.2	
22	231.9	1435.4	11.6	0.3	1.6	-1.3	-1.1	-8616255	-0.6	
22	232.2	1435.1	11.6	-0.3	2	-2.2	-1.9	-8723959	-1.3	
22	232.5	1434.8	14.4	2.8	1.9	0.4	-2.5	-8834388	-2.4	
22	232.8	1434.7	14	3	1.6	-0.9	-2.6	-9063853	-2.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	233.1	1434.5	14.5	2.6	1.4	-0.2	-2.5	-9389014	-3.2	
22	233.4	1434.5	14.6	2.8	0.8	-0.6	-2	-9829812	-3.3	
22	233.7	1434.6	14.3	2	0.2	-0.9	-1.3	-1E+07	-3.4	
22	234	1434.6	15.4	3.5	-0.2	-0.5	-0.6	-1.1E+07	-3.6	
22	234.3	1434.3	14.7	3.1	-1.2	-1.3	0.2	-1.1E+07	-3.7	
22	234.6	1434.5	14.6	2.6	-1.7	-0.8	1.2	-1E+07	-3.2	
22	234.9	1435.1	13.6	1.5	-1.6	-2.7	1.8	-1E+07	-2.6	
22	235.2	1435.5	13.2	1.6	-1.4	-2.6	2	-9648618	-2.2	
22	235.5	1435.7	12.7	1.6	-1.1	-2.8	1.8	-9103261	-2	
22	235.8	1435.6	13.7	2	-1	-1.7	1.5	-8580943	-1.7	
22	236.1	1435.5	12.7	1.2	-0.7	-1.8	1.1	-8210785	-1.3	
22	236.4	1435.2	12.7	0.4	-0.4	-1.7	0.4	-7991412	-1.1	
22	236.7	1435.1	13	1.2	0.3	-1	-0.1	-7991412	-1	
22	237	1434.9	12.9	1.7	0.5	-0.8	-0.5	-8178711	-1	
22	237.3	1435	13	1.3	1.1	-0.2	-0.9	-8476721	-1	
22	237.6	1435.2	13.2	1.1	1.2	0.4	-0.9	-8909575	-1.2	
22	237.9	1435.4	12.6	0.6	1.3	0.3	-0.7	-9431306	-1.3	
22	238.2	1435.6	12.7	1	1.5	-0.4	-0.5	-1E+07	-1.4	
22	238.5	1435.7	12.1	0.5	1.6	-1	-0.4	-1.1E+07	-1.5	
22	238.8	1435.8	11.3	-0.8	1.8	-1.7	-0.3	-1.1E+07	-1.5	
22	239.1	1435.6	11.3	-0.8	1.5	-1.7	-0.3	-1.2E+07	-1.7	
22	239.4	1435.3	10.8	-0.6	1.4	-2.3	-0.4	-1.2E+07	-1.8	
22	239.7	1434.6	10.8	-0.6	0.6	-2.8	-0.7	-1.1E+07	-1.8	
22	240	1434.2	10	-1.6	0.3	-3.3	-1	-1.1E+07	-1.6	
22	240.3	1433.9	9.2	-2.2	-0.2	-4	-1.1	-1E+07	-1.5	
22	240.6	1433.5	9.8	-1.1	-0.7	-2.9	-1.3	-9560502	-1.3	
22	240.9	1433.4	10.5	-0.1	-1	-2.5	-1.3	-8909575	-1.3	
22	241.2	1433.5	10.3	-0.5	-1.1	-1.7	-1.2	-8341634	-1.1	
22	241.5	1433.7	9.6	-1.4	-1.1	-2.5	-1	-7900944	-0.8	
22	241.8	1433.8	9.7	-0.6	-1	-1.7	-0.7	-7697610	-0.7	
22	242.1	1434.3	10.5	0.6	-0.7	-1.4	-0.1	-7697610	-0.7	
22	242.4	1434.5	10.3	-0.2	-0.4	-0.7	0.4	-7961027	-0.8	
22	242.7	1435	10.8	1.1	0	-0.1	0.9	-8511179	-0.9	
22	243	1435.4	10.2	-0.7	0.4	-1	1.3	-9264381	-1	
22	243.3	1435.7	11.4	1	0.8	-0.6	1.4	-1E+07	-1.1	
22	243.6	1435.9	10.5	0.4	1	-1.5	1.2	-1.2E+07	-1.2	
22	243.9	1435.9	11.3	0.4	1.1	0.1	0.8	-1.3E+07	-1.3	
22	244.2	1435.7	10.6	-1.4	1	-1.9	0.3	-1.4E+07	-1.3	
22	244.5	1435.5	11.6	0	0.9	-0.8	-0.1	-1.5E+07	-1.3	
22	244.8	1434.9	10.4	-1.2	0.9	-2.2	-0.7	-1.4E+07	-1.4	
22	245.1	1434.3	10.8	-3.6	0.8	-2	-1.3	-1.4E+07	-1.4	
22	245.4	1433.9	10.6	-3.4	0.7	-1.9	-1.7	-1.3E+07	-1.4	
22	245.7	1433.6	11.3	-3.2	0.6	-1.1	-1.9	-1.2E+07	-1.5	
22	246	1433.9	11.3	-3.3	0.6	-2	-1.7	-1.1E+07	-1.5	
22	246.3	1434.4	10.3	-4	0.7	-2.1	-1.4	-1.1E+07	-1.6	
22	246.6	1434.9	12.7	-2.7	0.8	-0.1	-0.9	-1.1E+07	-1.7	
22	246.9	1435.1	11.7	-3	0.6	-2.1	-0.5	-1.1E+07	-1.7	
22	247.2	1434.9	12	-2.6	0.6	-1.6	-0.4	-1.1E+07	-1.7	
22	247.5	1434.6	12	-1.6	0.4	-2.1	-0.2	-1.1E+07	-1.7	
22	247.8	1434.3	12.1	-1.1	0.3	0.1	0	-1.1E+07	-1.7	
22	248.1	1434.2	10.5	-2.2	0.2	-3.5	0.1	-1.1E+07	-1.7	
22	248.4	1434.1	13.1	-0.6	-0.1	0.2	0.2	-1.1E+07	-1.5	
22	248.7	1434.3	10.3	-2.4	-0.2	-3.1	0.2	-1.1E+07	-1.3	
22	249	1434.3	11.5	-1.2	-0.2	-1.1	-0.1	-1.1E+07	-1.2	
22	249.3	1434.5	12.6	-0.4	-0.1	-1.5	-0.2	-1E+07	-1.3	
22	249.6	1434.4	13.4	0.5	0	0.5	-0.3	-1E+07	-1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	249.9	1434.4	14	1	0.2	-0.1	-0.1	-1.1E+07	-1.7	
22	250.2	1434.2	10.1	-3.1	0.3	-2.7	-0.3	-1.1E+07	-2.1	
22	250.5	1434.1	13.3	0.7	0.4	0.1	-0.4	-1.2E+07	-2.3	
22	250.8	1434.2	11.5	-1.2	0.7	-3.2	-0.7	-1.3E+07	-2.5	
22	251.1	1434.2	13.9	1.8	0.9	0.3	-0.9	-1.4E+07	-2.6	
22	251.4	1434.4	10.2	-1.1	1.4	-4.6	-1.2	-1.4E+07	-2.7	
22	251.7	1434.5	14	2.7	1.3	0.7	-1.1	-1.4E+07	-2.7	
22	252	1434.4	11.1	0.3	1.1	-4	-1.1	-1.3E+07	-2.6	
22	252.3	1433.9	12.9	2.1	0.5	-2	-1	-1.2E+07	-1.9	
22	252.6	1434	9.3	-0.7	0.5	-3.5	-0.8	-1.1E+07	-1.3	
22	252.9	1434.1	11.3	2.1	0.5	-0.5	-0.6	-9473982	-1	
22	253.2	1434.2	11.3	1.5	0.2	-1.4	-0.2	-8580943	-0.8	
22	253.5	1434.1	11.6	1.1	-0.4	-1.2	0.2	-8022031	-0.8	
22	253.8	1434	12.8	2.5	-0.9	1.3	0.5	-7812500	-0.8	
22	254.1	1434.2	8.6	-1	-1	-5.5	0.7	-7871241	-0.9	
22	254.4	1434.3	11.7	2	-1	0.4	0.8	-8243110	-0.9	
22	254.7	1434.5	12	1.5	-0.7	-1.5	0.9	-8871822	-1.1	
22	255	1434.4	13	2.7	-1.1	1.6	1.1	-9829812	-1.1	
22	255.3	1434.3	8.3	-2.5	-0.8	-5.2	0.8	-1.1E+07	-1.3	
22	255.6	1434.2	12.3	2.1	-0.9	0.2	0.7	-1.3E+07	-1.5	
22	255.9	1434.3	10.1	-1.3	-0.5	-3.6	0.5	-1.5E+07	-1.5	
22	256.2	1434.4	11.2	0.7	-0.1	-2.2	0.3	-1.7E+07	-1.5	
22	256.5	1434.5	12.5	1.2	0.1	0.3	0.3	-1.8E+07	-1.5	
22	256.8	1434.7	9.7	-0.9	0.2	-3.2	0.2	-1.7E+07	-1.5	
22	257.1	1434.7	12	0.4	0.3	-1.7	-0.1	-1.6E+07	-1.5	
22	257.4	1434.7	11.3	0.9	0.8	-3.7	-0.5	-1.5E+07	-1.5	
22	257.7	1434.5	13.2	2.4	0.6	3	-0.7	-1.4E+07	-1.2	
22	258	1434.6	10	-0.6	0.8	-4.2	-0.8	-1.3E+07	-1	
22	258.3	1434.5	12.8	1.5	0.8	0.3	-0.8	-1.2E+07	-0.8	
22	258.6	1434.4	11	-0.3	0.9	-2.2	-0.9	-1.2E+07	-0.7	
22	258.9	1434.1	12.8	2.5	0.7	-0.7	-0.9	-1.2E+07	-0.6	
22	259.2	1434.2	11.2	-1.5	0.7	-1.2	-0.7	-1.2E+07	-0.4	
22	259.5	1434.4	12.4	0.7	0.9	-0.3	-0.4	-1.2E+07	-0.4	
22	259.8	1434.5	14	2	0.6	3.4	0	-1.2E+07	-0.3	
22	260.1	1434.9	9.7	-2.3	0.9	-4.2	0.1	-1.2E+07	-0.7	
22	260.4	1435	14	1.9	0.7	0.7	0.2	-1.2E+07	-1	
22	260.7	1434.7	13.2	2.7	0.6	-1.8	-0.1	-1.2E+07	-1.2	
22	261	1434.4	13.7	0.6	0.4	1.1	-0.4	-1.2E+07	-1.5	
22	261.3	1434	13.3	3	0.4	-2	-0.9	-1.2E+07	-2	
22	261.6	1433.6	14.3	2.8	-0.1	0.8	-1.1	-1.2E+07	-2.3	
22	261.9	1433.2	12.6	0	-0.2	-2.5	-1.5	-1.3E+07	-2.4	
22	262.2	1433.1	9.3	-4.1	-0.1	-5.9	-1.8	-1.5E+07	-2.6	
22	262.5	1433.3	13.2	-0.8	0.1	-0.1	-1.9	-1.7E+07	-2.7	
22	262.8	1433.6	14.6	4.5	0.1	-1.6	-1.6	-2E+07	-2.8	
22	263.1	1433.8	14.7	1.4	0	0.2	-1		-2.7	
22	263.4	1434.5	11.2	-0.3	0.4	-4.9	-0.3		-2.7	
22	263.7	1435	13.8	-0.1	0.5	-0.2	0.5		-2.4	
22	264	1435.3	11.2	1	0.6	-4.1	1		-2.1	
22	264.3	1435.4	13	-1	0.6	-0.9	1.5		-1.7	
22	264.6	1435.5	11.3	0.2	0.7	-1.3	1.7		-1.3	
22	264.9	1435.4	11.5	-1.4	0.6	-0.9	1.6		-1.2	
22	265.2	1435.1	12.8	3.5	0.4	-1.7	1.4	-1.6E+07	-0.8	
22	265.5	1434.8	10.4	-0.9	0.4	-2.2	0.8	-1.4E+07	-0.7	
22	265.8	1434.4	13.1	1.8	0	1.1	0.3	-1.2E+07	-0.4	
22	266.1	1434	10	-1.6	-0.2	-3	-0.3	-1.1E+07	-0.3	
22	266.4	1433.8	12.1	-0.7	-0.3	0.7	-0.7	-9783879	-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	266.7	1433.4	11.9	3.3	-0.1	-1.6	-1.3	-9305556	-0.4	
22	267	1433.2	13.3	1.6	-0.4	3.3	-1.3	-9183114	-0.4	
22	267.3	1433.1	9.3	-2.7	-0.2	-3.5	-1.5	-9473982	-0.5	
22	267.6	1433	12.7	-0.3	-0.4	0.8	-1.1	-1E+07	-0.7	
22	267.9	1433.4	9.2	0.9	0.3	-3.6	-1	-1.1E+07	-1.1	
22	268.2	1433.7	12	-0.3	0.7	-0.9	-0.7	-1.2E+07	-1.5	
22	268.5	1434	11.7	1.6	1	0.4	-0.4	-1.4E+07	-1.7	
22	268.8	1434.3	11	-0.2	1.1	-3.9	-0.1	-1.6E+07	-2	
22	269.1	1434.2	13.1	0.6	0.6	-0.5	0.1	-1.8E+07	-2	
22	269.4	1434.3	7.8	-1.9	0.8	-8.1	-0.1		-2.1	
22	269.7	1434.1	13.2	1.2	0.1	2.2	-0.1		-2.2	
22	270	1434	9.7	-1.6	-0.1	-4.8	-0.4	-2E+07	-2.2	
22	270.3	1433.3	13.1	-0.1	-1.5	0.4	-0.4	-1.9E+07	-2	
22	270.6	1433	9.7	-0.3	-1.8	-4.9	-0.7	-1.7E+07	-1.9	
22	270.9	1432.9	9.1	-3.7	-1.9	-4.2	-0.9	-1.6E+07	-1.9	
22	271.2	1432.8	13.7	2.7	-2.2	0.9	-0.7	-1.6E+07	-1.9	
22	271.5	1433.5	11.4	-1.4	-1.5	-3.3	-0.4	-1.6E+07	-2.1	
22	271.8	1434.1	14.3	3.1	-1.2	3.2	0.2	-1.7E+07	-2.3	
22	272.1	1435.2	8.2	-4.2	0.1	-7.4	0.5	-1.8E+07	-2.8	
22	272.4	1436.1	11.8	-2.2	0.7	-0.6	0.8	-1.9E+07	-3	
22	272.7	1437	12.2	2.5	1.7	-4.1	1.1		-3.2	
22	273	1437.3	13.5	-0.5	1.7	0.6	1.4		-3	
22	273.3	1437.3	11.2	-2	1.8	-2.2	1.4		-2.7	
22	273.6	1437	10.8	-2.9	1.7	-3.7	1.1		-2.6	
22	273.9	1436.6	12.2	-1.1	1.2	-1.4	0.7	-1.8E+07	-2.2	
22	274.2	1435.8	9.9	-4.4	0.8	-5.4	-0.1	-1.6E+07	-2	
22	274.5	1435.1	12.4	-0.2	0	1.2	-0.7	-1.4E+07	-1.6	
22	274.8	1435.1	9.1	-0.2	0	-4.1	-1.3	-1.2E+07	-1.4	
22	275.1	1435	13	-0.2	-0.5	1.5	-1.5	-1.1E+07	-1.2	
22	275.4	1435.3	10.1	-4.5	-0.3	-3.9	-1.7	-1.1E+07	-1.1	
22	275.7	1435.4	12.3	-2.4	-0.2	1.2	-1.6	-1.1E+07	-1.2	
22	276	1435.6	10.2	-1	0.3	-2.5	-1.6	-1.1E+07	-1.2	
22	276.3	1435.9	11.5	-2.3	0.6	-1.1	-1.3	-1.2E+07	-1.2	
22	276.6	1436.2	12.2	1	1.1	0.5	-0.8	-1.4E+07	-1.2	
22	276.9	1436.4	11	-2	1.2	-1.9	-0.1	-1.6E+07	-1.2	
22	277.2	1436.7	11.8	0.5	1.1	0.8	0.6	-1.9E+07	-0.8	
22	277.5	1437.1	8.5	-3	1.4	-4.4	0.9		-0.7	
22	277.8	1437.2	12.4	-0.4	1.1	1.6	1.2		-0.6	
22	278.1	1437.1	8.6	-1.8	1	-4.2	1.1		-0.6	
22	278.4	1436.9	12.2	-0.9	0.4	1.3	1.2		-0.6	
22	278.7	1436.6	10.7	0.7	0.2	-2.2	1		-0.6	
22	279	1436	11.1	-1	-0.4	0.3	0.7	-1.7E+07	-0.7	
22	279.3	1435.5	11.1	-0.8	-0.6	-0.9	0.3	-1.5E+07	-0.8	
22	279.6	1434.9	11.3	-2	-1	0.2	-0.1	-1.3E+07	-0.9	
22	279.9	1434.6	11.4	2.1	-1.2	0.2	-0.4	-1.2E+07	-1.1	
22	280.2	1434.5	10.4	-2.3	-0.9	-2.8	-0.7	-1.1E+07	-1.4	
22	280.5	1434.7	12.1	2.9	-0.6	1.2	-0.7	-1.1E+07	-1.6	
22	280.8	1434.9	10.4	-1.6	0.1	-3.6	-0.9	-1.1E+07	-1.8	
22	281.1	1435	13.1	1.4	0.1	1.8	-0.6	-1.2E+07	-1.9	
22	281.4	1435.2	8.1	-2.9	0.8	-5.8	-0.7	-1.2E+07	-1.7	
22	281.7	1435.2	11.5	-1.6	0.9	0.1	-0.7	-1.3E+07	-1.5	
22	282	1435.3	8.6	0.8	1.3	-4.3	-0.8	-1.3E+07	-1.4	
22	282.3	1435.3	11.8	-1.4	1.4	-1.4	-0.9	-1.3E+07	-1.3	
22	282.6	1435.1	11.2	1.5	1.2	-1.2	-1	-1.3E+07	-1.2	
22	282.9	1434.8	10	-3.1	0.6	-3.4	-1.1	-1.3E+07	-1.1	
22	283.2	1434.4	12.2	2.5	-0.1	1.8	-1	-1.2E+07	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	283.5	1434.5	8.2	-0.9	-0.1	-6	-1.1	-1.1E+07	-1	
22	283.8	1434.2	13.4	-0.3	-0.8	3.3	-0.8	-1.1E+07	-1	
22	284.1	1434.5	8.6	-2.8	-0.6	-4.6	-0.7	-1.1E+07	-1.2	
22	284.4	1434.8	11.7	-2.6	-0.6	1.1	-0.4	-1.2E+07	-1.4	
22	284.7	1435.1	12.4	4.2	-0.5	-0.8	-0.1	-1.2E+07	-1.4	
22	285	1435.4	12.1	0.3	-0.4	0.4	0.2	-1.4E+07	-1.5	
22	285.3	1435.8	12.6	0.4	0	0.7	0.7	-1.6E+07	-1.3	
22	285.6	1436.1	8.6	-4.9	0.4	-4.2	0.9	-1.9E+07	-1.5	
22	285.9	1436.3	13.4	2.2	0.6	3.4	1.1		-1.6	
22	286.2	1436.4	10	-0.8	1.1	-5	1.1		-1.7	
22	286.5	1436.3	12.6	0.4	1	0.5	1.1		-1.7	
22	286.8	1436.2	9.9	0	1	-4.3	0.9		-1.6	
22	287.1	1436	11.9	-0.5	0.9	-1.9	0.6		-1.4	
22	287.4	1436	9.3	0.2	1.1	-5	0.1		-0.9	
22	287.7	1435.4	11.2	-1.8	0.5	-2.2	-0.3		-0.7	
22	288	1435.1	10.4	0.3	0.4	-2.1	-0.8		-0.6	
22	288.3	1434.6	8.5	-3.8	0.1	-5.6	-1.4		-1	
22	288.6	1434.2	13.2	3	-0.4	0.8	-1.7		-1	
22	288.9	1433.9	12.3	0.8	-0.4	-2.4	-2	-1.9E+07	-1	
22	289.2	1433.8	13.6	1.4	-0.3	0.4	-2	-1.7E+07	-1.1	
22	289.5	1433.9	12.5	1.5	0.1	-1.7	-2	-1.6E+07	-1.7	
22	289.8	1434.2	14.7	2.9	0.1	1.6	-1.6	-1.6E+07	-2.3	
22	290.1	1434.6	12.8	4.3	0.6	-2.7	-1.3	-1.7E+07	-3	
22	290.4	1434.9	15.2	2.8	0.5	1.2	-0.7	-2E+07	-3.3	
22	290.7	1435.5	12.8	4.2	1.3	-2.4	-0.4		-3.8	
22	291	1436.1	12.9	0.7	1.6	-3.9	-0.1		-4.1	
22	291.3	1436.2	14.8	4.1	1.6	-2.6	0.2		-4.2	
22	291.6	1436	14.3	3.2	1.1	-2.5	0.4		-3.9	
22	291.9	1435.6	13.1	2	0.5	-1.6	0.5		-3.6	
22	292.2	1435.3	12.3	1	-0.1	-5.3	0.5		-3.2	
22	292.5	1435.1	13.9	2.5	-0.8	-1.6	0.6		-2.6	
22	292.8	1435	11.1	0.7	-0.9	-6	0.5	18862613	-2.4	
22	293.1	1434.7	14.4	2.3	-1.6	-0.9	0.5	15509259	-2.2	
22	293.4	1435	12.2	1.8	-1.7	-2.3	0.5	13774671	-2.2	
22	293.7	1434.8	14.2	1.1	-2.2	-0.4	0.7	12845092	-2	
22	294	1435.2	12.2	4.1	-1.6	-2.3	0.7	12766768	-1.9	
22	294.3	1435.4	9.7	-1.8	-1.1	-4.4	0.6	13335987	-2	
22	294.6	1435.7	14.1	5.5	-0.6	0.5	0.6	14849291	-2.1	
22	294.9	1435.9	13	1.2	-0.2	-1.3	0.5	17594538	-2.2	
22	295.2	1435.9	14.2	3	0.2	1.1	0.3		-2.2	
22	295.5	1436	13.5	3.5	0.8	-1.8	0.3		-2.1	
22	295.8	1436.3	11.7	-0.5	1	-1.3	0.4		-1.7	
22	296.1	1436.4	10.5	2.3	1.1	-3.2	0.4		-1.5	
22	296.4	1436.2	11	-2.4	0.9	-1.6	0.3		-1.2	
22	296.7	1436.1	11.2	2.6	0.7	0.2	0.2		-0.9	
22	297	1436.1	10.6	-1.1	0.4	-2.3	0.2		-0.6	
22	297.3	1436.1	10.3	-2.1	0	-1.9	0.2	-1.8E+07	-0.3	
22	297.6	1435.8	10.7	-1.4	-0.4	-2.2	0.1	-1.6E+07	-0.2	
22	297.9	1435.2	11.9	-0.7	-1	-0.5	-0.1	-1.6E+07	-0.2	
22	298.2	1434.9	10.5	1.9	-1.2	-0.9	-0.3	-1.6E+07	-0.2	
22	298.5	1434.9	10.2	-3.2	-1.1	-0.3	-0.4	-1.7E+07	-0.2	
22	298.8	1434.9	10.6	0.6	-0.9	-0.5	-0.4	-1.9E+07	-0.3	
22	299.1	1435	10.4	-2.2	-0.5	-0.8	-0.4		-0.4	
22	299.4	1435.4	10.6	0.7	-0.2	-0.2	-0.3		-0.8	
22	299.7	1436	10.8	-1.1	-0.1	-0.4	0.1		-1	
22	300	1436.3	11.2	1.9	0.1	-0.4	0.4		-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	300.3	1436.5	11	-0.2	0.7	-1.8	0.7		-1.2	
22	300.6	1436.5	10.8	0.4	0.6	-0.8	1.1		-1.3	
22	300.9	1436.5	10.2	1.7	0.4	-1.5	1.5		-1.4	
22	301.2	1436.2	10.6	-2.6	-0.1	-1.3	1.8		-1.3	
22	301.5	1435.7	10.5	-1.8	-0.8	-1.9	2.1		-1.1	
22	301.8	1435.8	9.4	-4.2	-1.1	-2.2	2.4		-0.9	
22	302.1	1435.9	10	-2.5	-1.4	-1.6	2.5		-0.8	
22	302.4	1435.7	10.3	-4.4	-1.6	-1.7	2.2		-0.7	
22	302.7	1435.1	11.3	-1.5	-1.9	-0.9	1.8		-0.5	
22	303	1434.8	10.1	-5.1	-1.8	-1.5	1.3		-0.4	
22	303.3	1434.4	10.4	-2.4	-1.8	-0.5	0.7		-0.4	
22	303.6	1434.2	10.6	-2.3	-1.2	-1	0	-1.9E+07	-0.6	
22	303.9	1433.8	12.2	-2.6	-0.8	0.4	-0.7	-1.7E+07	-0.9	
22	304.2	1433.6	10.7	-3.6	-0.2	-0.8	-1.4	-1.6E+07	-1.1	
22	304.5	1433.6	10.8	-2.3	0.4	-1	-2	-1.4E+07	-1.7	
22	304.8	1433.8	11.5	-0.8	1	-1.1	-2.3	-1.3E+07	-2.1	
22	305.1	1433.9	12.4	-1.5	1.7	-1.7	-2.6	-1.2E+07	-2.5	
22	305.4	1434.1	11.6	0.5	2	-2.2	-2.6	-1.1E+07	-2.6	
22	305.7	1434.5	10.9	-3.5	2.5	-3.1	-2.5	-1.1E+07	-2.4	
22	306	1434.7	11.4	-0.8	2.5	-1.8	-2.3	-9876179	-2.3	
22	306.3	1434.8	11.4	-2.8	2.6	-2.8	-2.1	-9264381	-2.1	
22	306.6	1434.5	11.5	-0.7	2.1	-1	-1.9	-8871822	-1.2	
22	306.9	1434.5	10.2	0.5	1.9	-1.8	-1.5	-8616255	-0.4	
22	307.2	1434.5	10.7	-3.4	1.6	-0.7	-1.3	-8408635	-0.2	
22	307.5	1434.5	11.9	-1.1	1.6	0	-1.2	-8275692	-0.2	
22	307.8	1434.6	12.3	-1.9	1.5	0.7	-1	-8243110	-0.7	
22	308.1	1434.6	12.8	-0.7	1	1.3	-0.7	-8308532	-0.9	
22	308.4	1434.8	11.2	-0.5	0.9	-0.9	-0.5	-8442541	-1.1	
22	308.7	1434.9	12.1	1.6	0.8	-0.1	-0.4	-8580943	-1.3	
22	309	1435	11.9	0.9	0.8	-0.6	-0.2	-8687760	-1.5	
22	309.3	1434.7	12.5	1.3	0.3	0.5	-0.1	-8723959	-1.7	
22	309.6	1434.5	10.9	0.3	0.1	-1.1	-0.1	-8687760	-1.6	
22	309.9	1434.3	11	0.7	-0.2	-1.1	-0.1	-8511179	-1.5	
22	310.2	1434.2	10.3	-0.4	-0.4	-1.5	-0.2	-8341634	-1.3	
22	310.5	1434	10.4	-1.5	-0.6	-1.8	-0.4	-8146887	-0.9	
22	310.8	1434.1	10.7	0.2	-0.8	0	-0.4	-7900944	-0.4	
22	311.1	1434.2	10.5	0.3	-0.6	-0.8	-0.5	-7641424	-0.2	
22	311.4	1434.4	10.5	-0.1	-0.4	0.3	-0.6	-7372359	-0.1	
22	311.7	1434.5	10.4	0	0.1	-0.8	-0.7	-7073480	-0.1	
22	312	1434.5	10.1	-0.5	0.4	0.2	-0.7	-6732315	-0.1	
22	312.3	1434.6	9.3	-1.5	0.6	-1.4	-0.6	-6383384	-0.2	
22	312.6	1435	8.7	-2.5	1.2	-1.1	-0.6	-6068841	-0.4	
22	312.9	1435.5	9.9	-1.1	1.7	-0.2	-0.4	-5752061	-0.6	
22	313.2	1435.7	9.5	-1.3	1.7	-1.6	-0.4	-5509869	-0.9	
22	313.5	1435.7	10	-0.2	1.7	-1.4	-0.4	-5273930	-1	
22	313.8	1435.7	8.3	-2.3	1.6	-3.1	-0.4	-5106708	-1.1	
22	314.1	1435.6	9.8	-0.7	1.2	-1.6	-0.5	-5020984	-1.2	
22	314.4	1435.2	8.7	-0.7	0.8	-3.1	-0.7	-4997017	-1.2	
22	314.7	1434.9	10	0	0.3	-1.1	-0.7	-5057367	-1.2	
22	315	1434.6	8.4	-1.9	-0.4	-2.6	-0.7	-5182550	-1	
22	315.3	1434.4	8.7	-2.6	-0.7	-2.6	-0.9	-5396263	-1	
22	315.6	1434.6	9.8	-0.3	-0.5	-1.4	-1	-5689538	-1	
22	315.9	1434.6	10.4	0	-0.5	-1.7	-1	-6086483	-1	
22	316.2	1434.6	10.1	-0.5	-0.4	-0.7	-1	-6542969	-0.9	
22	316.5	1435.2	10	-2.2	0.1	-1.8	-0.7	-7049664	-1	
22	316.8	1435.6	11.1	0.4	0.7	-0.1	-0.5	-7558664	-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	317.1	1435.9	10.5	-0.3	1.1	-2	-0.4	-8022031	-1.3	
22	317.4	1436.3	11.3	-0.2	1.6	-0.6	-0.2	-8442541	-1.5	
22	317.7	1436.5	10.8	-1.6	1.7	-1.2	0	-8834388	-1.6	
22	318	1436.6	11	-0.6	1.6	-2.1	0.1	-9103261	-2	
22	318.3	1436.6	12.2	1.3	1.4	-1.4	0.1	-9183114	-2.2	
22	318.6	1436.3	11.6	0.2	1	-1.8	0	-9103261	-2.3	
22	318.9	1435.9	11.8	0.4	0.4	-1.9	-0.1	-8986052	-2	
22	319.2	1435.6	11.6	0.1	0	-2.1	-0.3	-8871822	-2.1	
22	319.5	1435.5	12.4	2.2	-0.1	-1.8	-0.4	-8760460	-2	
22	319.8	1435.3	12.5	1.8	-0.5	-1.2	-0.4	-8651860	-2	
22	320.1	1435.2	12.2	0.3	-0.8	-1.4	-0.1	-8545919	-1.5	
22	320.4	1435.3	12.3	0	-0.6	-1.4	0.1	-8545919	-1.3	
22	320.7	1435.5	12.5	-0.3	-0.3	-1.6	0.3	-8760460	-1.2	
22	321	1435.9	12	0.8	0.1	-0.8	0.6	-9024785	-1.5	
22	321.3	1436	13.5	1.4	0.4	0.6	0.8	-9473982	-1.5	
22	321.6	1436.2	12.2	0.3	0.7	-2	0.9	-9876179	-1.7	
22	321.9	1436.1	14	1.5	0.8	-0.1	0.9	-1E+07	-2	
22	322.2	1436	12.2	1.3	0.9	-3.4	0.8	-1.1E+07	-2.4	
22	322.5	1435.7	13.5	2.5	0.9	-0.9	0.5	-1.1E+07	-3	
22	322.8	1435.1	13.8	3.5	0.8	-2.3	-0.1	-1.1E+07	-3.5	
22	323.1	1434.5	13.6	3.2	0.1	-1.7	-0.3	-1.1E+07	-3.6	
22	323.4	1434.1	11.1	0.4	0.2	-4.8	-1	-1.1E+07	-3.6	
22	323.7	1433.8	11	0.5	-0.1	-4.8	-1.3	-1.1E+07	-3.6	
22	324	1433.5	13.4	2.9	-0.4	-1.8	-1.4	-1.1E+07	-3.1	
22	324.3	1433.4	11.8	1.4	-0.3	-3.8	-1.6	-1.1E+07	-2.8	
22	324.6	1433.2	14	3.9	-0.6	0.4	-1.5	-1.1E+07	-2.2	
22	324.9	1433.4	10.7	1.4	-0.4	-3.6	-1.3	-1.1E+07	-1.7	
22	325.2	1433.4	13	4.3	-0.4	-0.6	-1	-1.1E+07	-1	
22	325.5	1433.8	10.8	0.9	0	-2.4	-0.6	-1E+07	-0.7	
22	325.8	1434	12.6	3.1	-0.3	1.5	-0.1	-1E+07	-0.6	
22	326.1	1434.3	10.8	0.8	-0.1	-1.5	0.1	-1E+07	-0.8	
22	326.4	1434.4	12	3.7	-0.1	-0.6	0.2	-1E+07	-1	
22	326.7	1434.4	11.5	1.7	-0.1	-1.2	0.1	-1E+07	-1.1	
22	327	1434.5	10.6	1.9	0.1	-3	0.1	-9829812	-1.2	
22	327.3	1434.5	11.6	1.6	0.2	-0.5	0	-9829812	-1.3	
22	327.6	1434.5	11.3	2.9	0.5	-2.8	-0.1	-9922986	-1.5	
22	327.9	1434.4	11.5	2.8	0.1	-0.1	-0.3	-1E+07	-1.6	
22	328.2	1434.7	10	0.2	0.5	-4.5	-0.5	-1.1E+07	-1.7	
22	328.5	1434.7	12	1.6	0.3	0.6	-0.7	-1.1E+07	-1.5	
22	328.8	1435.1	9.8	-0.3	0.5	-3.9	-0.7	-1.2E+07	-1.3	
22	329.1	1435.3	11.5	1.5	0.5	-0.1	-0.5	-1.3E+07	-1.2	
22	329.4	1435.4	10.9	-0.2	0.4	-2.1	-0.4	-1.4E+07	-1.1	
22	329.7	1435.3	10.9	0.4	0.3	-2.3	-0.4	-1.6E+07	-1.1	
22	330	1434.9	12.3	1	-0.1	-0.4	-0.4	-1.6E+07	-1	
22	330.3	1435.3	9.2	-1.6	0.2	-4.3	-0.2	-1.6E+07	-1	
22	330.6	1435.4	12.9	1.9	-0.2	1.2	0.2	-1.5E+07	-0.8	
22	330.9	1435.8	9.1	-3.1	0.4	-4.6	0.3	-1.3E+07	-0.9	
22	331.2	1436.1	12.9	1.3	0.1	2	0.6	-1.2E+07	-0.9	
22	331.5	1436.2	9.4	-2.4	0.5	-4.5	0.3	-1E+07	-1.2	
22	331.8	1436.3	13.3	1.7	0.5	1.7	0.2	-8947650	-1.3	
22	332.1	1436.4	12.6	0.2	0.7	-1.2	0.1	-8022031	-1.3	
22	332.4	1436.3	12.1	-0.4	1	-0.1	-0.1	-7346491	-1.5	
22	332.7	1436.1	13.5	1.3	0.8	0.9	-0.3	-6932947	-1.5	
22	333	1436	11.8	-0.5	1.1	-2.9	-0.5	-6754032	-1.7	
22	333.3	1435.5	13.7	1.2	0.7	1.4	-0.6	-6732315	-1.7	
22	333.6	1435.6	10.2	-1.8	1	-4.4	-0.8	-6932947	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	333.9	1435.5	13.9	0.4	0.9	2.8	-0.7	-7346491	-1.7	
22	334.2	1435.9	9.8	-2.4	1.3	-5	-0.7	-7930871	-1.6	
22	334.5	1435.9	14.2	0.2	1	0.8	-0.5	-8687760	-1.4	
22	334.8	1436	9.2	-3	1.5	-4.4	-0.7	-9648618	-1.2	
22	335.1	1435.9	13	-0.5	1.5	0.2	-0.9	-1.1E+07	-1.2	
22	335.4	1435.5	13.2	-0.6	1.1	0.2	-1	-1.2E+07	-1.2	
22	335.7	1435.1	12.1	-1.5	0.9	-1.5	-1.1	-1.3E+07	-1.1	
22	336	1434.7	13	1.9	0.5	1.4	-1.1	-1.3E+07	-1	
22	336.3	1434.4	9.4	-1.6	0.5	-3.5	-1.3	-1.3E+07	-1.2	
22	336.6	1434.2	13.1	-0.3	-0.3	2.5	-1.1	-1.3E+07	-1.3	
22	336.9	1434.3	11.5	-0.3	-0.3	-2.4	-0.9	-1.2E+07	-1.2	
22	337.2	1434.1	12.6	-1.4	-1.2	2.7	-0.4	-1.2E+07	-0.9	
22	337.5	1434.5	9.7	-1	-0.9	-3.8	0	-1.1E+07	-1.1	
22	337.8	1434.9	11.8	-1.2	-1.1	-0.1	0.6	-1E+07	-1.2	
22	338.1	1435	11.4	0.6	-1	-2	1	-9922986	-1.1	
22	338.4	1434.9	11	-1.6	-1.3	-1.5	1.3	-9648618	-0.7	
22	338.7	1434.9	9.5	-1.3	-1	-1.6	1.3	-9648618	-0.3	
22	339	1435.3	8.8	-3.2	-0.3	-3.1	1.2	-9783879	-0.2	
22	339.3	1435.2	11.2	-0.3	-0.5	0.7	1	-9922986	0.1	
22	339.6	1435.3	8.9	-1.7	0.2	-3.9	0.6	-1E+07	0.1	
22	339.9	1435	11.9	0.3	0.1	1.5	0.2	-1E+07	0.1	
22	340.2	1435.2	8.2	-3.1	0.7	-5	-0.4	-1.1E+07	-0.2	
22	340.5	1435	12.5	1	0.7	1.3	-0.9	-1.1E+07	-0.5	
22	340.8	1435.1	10.7	0.7	1.3	-3.1	-1.3	-1.1E+07	-0.9	
22	341.1	1434.8	12.2	0.2	1.1	0.3	-1.6	-1.1E+07	-1.2	
22	341.4	1434.7	10.3	0.5	0.8	-2	-1.8	-1.1E+07	-1.3	
22	341.7	1435	9.8	-1.7	1.1	-4	-1.9	-1.1E+07	-1.9	
22	342	1434.9	13.2	2.3	0.9	0.6	-1.8	-1E+07	-2.1	
22	342.3	1434.9	11.4	0.5	0.9	-3.9	-1.6	-1E+07	-2.6	
22	342.6	1434.9	14.1	1.8	0.4	2.1	-1.2	-9970238	-2.5	
22	342.9	1435.4	10	0.8	0.7	-5.9	-0.9	-9783879	-2.8	
22	343.2	1435.4	14.8	1.9	0.1	1.6	-0.4	-9693287	-2.9	
22	343.5	1435.7	11.9	2.8	0.4	-4	-0.1	-9648618	-3.1	
22	343.8	1436	13.2	0.3	0.3	-0.4	0.4	-9693287	-3.5	
22	344.1	1436.3	12.7	3.3	0.3	-2.3	0.7	-9693287	-3.8	
22	344.4	1436.3	12.2	-1.1	0.3	-3	0.7	-9648618	-4	
22	344.7	1436.2	13.6	1	0	-1.8	0.9	-9560502	-3.8	
22	345	1436.2	10.9	-1.2	0.1	-5.9	0.9	-9431306	-3.7	
22	345.3	1436.1	13.7	0.2	0.1	-0.2	0.9	-9347098	-3.4	
22	345.6	1436.3	10	-1.8	0.5	-6.6	0.7	-9264381	-3.2	
22	345.9	1436	13.4	-0.3	0.4	0	0.3	-9183114	-2.5	
22	346.2	1436	9.9	-0.3	0.6	-5	-0.1	-9103261	-1.7	
22	346.5	1435.6	12.7	-1.2	0.1	0.7	-0.3	-9103261	-0.7	
22	346.8	1435.7	9.3	-0.5	0.6	-2.9	-0.5	-9063853	-0.3	
22	347.1	1435.7	11.9	-2.3	0.8	0.3	-0.8	-8986052	-0.1	
22	347.4	1435.4	12.1	2.9	0.6	0.9	-1	-8797269	-0.1	
22	347.7	1434.9	11.1	-1.9	0.4	-2	-1.3	-8545919	-0.5	
22	348	1434.9	12	-1.2	0	1.7	-1.1	-8210785	-0.6	
22	348.3	1435	10	-2.1	0.3	-3.4	-1.1	-7841760	-1	
22	348.6	1435	13.1	0.1	-0.1	2.8	-0.7	-7451068	-1.3	
22	348.9	1435.2	9.9	0.5	0.2	-3.8	-0.4	-7121599	-1.7	
22	349.2	1434.9	11.7	-1.4	-0.3	0.4	-0.2	-6864754	-2	
22	349.5	1435.1	9.3	-2.2	0.2	-4.4	-0.1	-6667994	-2.3	
22	349.8	1435.3	11.4	-1.2	0.1	-1.3	0.2	-6542969	-2.6	
22	350.1	1435.5	11.5	1.8	0.3	-2.2	0.5	-6502329	-2.5	
22	350.4	1435.7	9.5	-2.3	0.5	-4	0.5	-6563480	-2.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	350.7	1435.6	11.4	0	0.3	-1.5	0.5	-6754032	-2.5	
22	351	1435.6	8.2	-2.8	0.5	-5.8	0.3	-7026007	-2.5	
22	351.3	1435.2	11.4	1.9	0.2	-0.6	0	-7398410	-2.4	
22	351.6	1435	9.3	0.5	0.4	-4.2	-0.2	-7871241	-2.2	
22	351.9	1434.4	10.9	-0.3	-0.1	0	-0.4	-8442541	-1.9	
22	352.2	1434.6	8.1	-0.8	0.1	-5.2	-0.4	-9143013	-1.7	
22	352.5	1434.5	11.3	-0.6	0.1	0.1	-0.6	-9922986	-1.7	
22	352.8	1434.5	9.8	1.6	0	-2	-0.7	-1.1E+07	-1.3	
22	353.1	1434.5	10.9	-1.6	0.2	-1.9	-0.7	-1.1E+07	-1.1	
22	353.4	1434.5	10	-0.7	0.3	-0.3	-0.7	-1.2E+07	-0.4	
22	353.7	1434.7	9.2	-3	0.6	-2.5	-0.7	-1.2E+07	-0.3	
22	354	1434.6	10.9	0.6	0.6	1.1	-0.7	-1.2E+07	-0.1	
22	354.3	1434.8	8.7	-1.1	1.3	-3.1	-0.8	-1.1E+07	-0.1	
22	354.6	1434.5	11.8	-1.4	0.8	2.5	-0.7	-1.1E+07	0.2	
22	354.9	1434.6	7.5	-3.9	1.2	-3.9	-1	-9829812	-0.2	
22	355.2	1434.7	11.5	-2.6	1.2	0.9	-1.1	-8986052	-0.5	
22	355.5	1434.5	12	2	0.9	-0.2	-1.2	-8243110	-0.6	
22	355.8	1434.3	11.7	-3.1	0.7	0.7	-1.3	-7613637	-0.7	
22	356.1	1434.3	11.5	-0.4	0.4	0.3	-1.3	-7219828	-0.7	
22	356.4	1434.3	10.1	-3.1	0.3	-2.2	-1.3	-6979167	-1	
22	356.7	1434.2	12.5	-0.2	0.1	1.1	-1.2	-6864754	-1.2	
22	357	1434.2	11	-1.2	0.3	-1.9	-1.1	-6864754	-1.2	
22	357.3	1434.3	11.2	-2.4	0.3	1.6	-0.9	-7026007	-1.2	
22	357.6	1434.7	10.3	-0.6	0.6	-3.1	-0.7	-7372359	-1.3	
22	357.9	1435	12.4	-1.3	1	0.2	-0.4	-7930871	-1.4	
22	358.2	1435.4	10.6	0.6	1.6	-3	-0.2	-8511179	-1.4	
22	358.5	1435.7	11.9	-1.5	1.9	-0.5	-0.1	-9103261	-1.6	
22	358.8	1435.9	11.7	1.8	2.2	-1.4	0	-9517046	-1.7	
22	359.1	1435.8	11.7	-1	2	-2.2	0.1	-9738372	-1.7	
22	359.4	1435.4	11.7	2.4	1.6	-2.2	0.1	-9783879	-1.3	
22	359.7	1435.2	9.4	-2.5	1.3	-3.5	0	-9693287	-1.1	
22	360	1434.8	12.6	0.5	0.7	0.1	0	-9431306	-0.9	
22	360.3	1434.4	9.7	-1.4	0.1	-2.9	-0.1	-9024785	-0.7	
22	360.6	1433.7	12.8	0.8	-1.1	1.3	0	-8651860	-0.1	
22	360.9	1433.4	10.1	0.1	-1.4	-1.7	-0.1	-8341634	0.2	
22	361.2	1433.1	12.7	-0.4	-1.9	2.1	-0.1	-8146887	0.5	
22	361.5	1433.2	11.8	1.9	-1.9	-0.1	-0.1	-8115310	0.2	
22	361.8	1433.2	14.1	2.4	-1.7	2.9	-0.1	-8146887	-0.2	
22	362.1	1433.4	12.5	3.2	-1.5	1.4	0.1	-8243110	-0.7	
22	362.4	1433.5	12.9	1.5	-1.2	-0.3	0.2	-8308532	-1.1	
22	362.7	1433.8	11.5	0	-0.7	0.6	0.2	-8375000	-1.5	
22	363	1434.1	12.2	2.7	0	-2.5	0.2	-8375000	-1.7	
22	363.3	1434.1	12.2	0.8	0	0.9	0.2	-8243110	-1.9	
22	363.6	1434.4	10.5	2.3	0.5	-4.7	0.2	-8052885	-2	
22	363.9	1434.5	12.5	1.1	0.4	-0.6	0.2	-7841760	-2	
22	364.2	1434.7	10.2	0.9	0.8	-5.7	0	-7641424	-2	
22	364.5	1434.4	11.4	0.5	0.6	-1.7	-0.4	-7477679	-1.9	
22	364.8	1434.2	11.6	3.5	0.6	-1.7	-0.7	-7346491	-1.3	
22	365.1	1434.2	9.2	-2.1	0.6	-3.3	-1.1	-7424646	-1.2	
22	365.4	1434.1	13.2	3.4	0.2	0.7	-1.2	-7613637	-1.2	
22	365.7	1434.3	8.7	-2.2	0.6	-4.3	-1.4	-8052885	-1.5	
22	366	1434.3	13.7	3.7	0.4	1.1	-1.2	-8723959	-1.7	
22	366.3	1434.7	10.3	1.1	0.8	-3.3	-1.1	-9604358	-1.8	
22	366.6	1434.7	13.7	2.8	0.4	2.5	-0.8	-1.1E+07	-1.8	
22	366.9	1435	9.9	1.2	0.8	-3.4	-0.5	-1.2E+07	-1.9	
22	367.2	1435.1	11.2	-0.6	0.7	-1.6	-0.1	-1.3E+07	-2.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	367.5	1435.5	11.1	3.6	0.8	-1.2	0.4	-1.3E+07	-2.1	
22	367.8	1436	10.4	-1.1	0.9	-3.2	0.7	-1.3E+07	-2.2	
22	368.1	1436.1	10.8	-1.2	0.8	-0.9	0.7	-1.2E+07	-2.2	
22	368.4	1435.8	11.4	-0.3	0.8	-3.2	0.5	-1E+07	-2.2	
22	368.7	1435.5	11.1	-0.4	0.4	-1.3	0.3	-8909575	-1.8	
22	369	1435.5	8.6	-1.5	0.6	-5.5	0.1	-7871241	-1.7	
22	369.3	1435.1	11.5	-1	0.4	0.3	-0.1	-7026007	-1.6	
22	369.6	1434.9	9.9	-1.1	0.5	-3	-0.3	-6402905	-1.6	
22	369.9	1434.4	11.3	0.1	0.1	-0.6	-0.4	-5999284	-1.5	
22	370.2	1434.7	9.6	-0.7	0.3	-2.3	-0.5	-5736302	-1.4	
22	370.5	1434.8	10.4	-2	0.2	-1.2	-0.5	-5613271	-1.4	
22	370.8	1434.8	11.2	0.6	0.4	-1.8	-0.4	-5553714	-1.4	
22	371.1	1434.8	10.9	-1	0.5	-1.7	-0.3	-5598262	-1.4	
22	371.4	1434.8	11	-0.7	0.3	-0.2	-0.1	-5705041	-1.4	
22	371.7	1434.6	9.3	-2.4	0.4	-3.3	-0.1	-5848464	-1.5	
22	372	1434.3	11.5	-0.2	0.3	-0.9	-0.1	-5999284	-1.5	
22	372.3	1433.9	9.8	0.4	0.4	-3	-0.2	-6086483	-1.6	
22	372.6	1433.7	10.6	-2	0.1	-0.9	-0.4	-6104228	-1.6	
22	372.9	1434	9.7	0	0.4	-2.8	-0.7	-6104228	-1.7	
22	373.2	1433.7	11.8	-1	-0.1	-1.1	-1.1	-6051301	-1.8	
22	373.5	1433.6	11.2	1.1	-0.2	-1.9	-1.3	-5999284	-1.7	
22	373.8	1433.6	11	-1.7	-0.4	-1.4	-1.4	-5948154	-1.5	
22	374.1	1433.4	10.8	-1	-0.8	-1.7	-1.4	-5897888	-1.5	
22	374.4	1433.3	12	-2.1	-0.7	-1.6	-1.4	-5931303	-2	
22	374.7	1433	11.2	-1.3	-0.8	-0.9	-1.2	-6104228	-1.4	
22	375	1433.4	10.2	-2.7	-0.6	-2.3	-0.7	-6402905	-1.2	
22	375.3	1433.8	11.1	-0.4	-0.5	0.2	-0.4	-6842320	-0.8	
22	375.6	1434.9	10.9	-1.3	0.4	-2.4	0.3	-7346491	-1	
22	375.9	1435.4	12	-0.2	0.8	0.1	0.7	-7930871	-0.7	
22	376.2	1436.1	10.9	0.4	1.6	-2.1	0.9	-8375000	-0.9	
22	376.5	1436.6	12.7	0.2	2.3	0.3	0.9	-8723959	-1.4	
22	376.8	1436.6	11.7	1.5	2.5	-1.7	0.7	-8871822	-1.3	
22	377.1	1436.1	11.7	0.3	2.7	-1.1	0.1	-8723959	-1.4	
22	377.4	1435.6	12	0.4	2.5	-0.1	-0.5	-8308532	-1	
22	377.7	1435.3	10.4	1.2	2.5	-2.3	-1.2	-7726015	-1.2	
22	378	1434.7	12.9	-0.3	1.8	0.6	-2	-7145905	-0.9	
22	378.3	1434.2	11.3	2.6	1.5	-2	-2.6	-6667994	-1	
22	378.6	1433.5	13.1	-0.6	0.6	0.8	-3	-6344697	-0.7	
22	378.9	1433.4	11.1	0.8	0.2	-1.9	-3.1	-6104228	-0.1	
22	379.2	1433.4	12.2	-1.5	0.2	0.1	-3.1	-5965100	0.1	
22	379.5	1433.5	11.6	1.7	0.4	-0.7	-2.8	-5897888	0.4	
22	379.8	1433.8	12	0.8	0.4	-0.3	-2.2	-5897888	0.1	
22	380.1	1434.2	12	0.9	0.4	0.1	-1.6	-5931303	0	
22	380.4	1434.9	11.8	1.4	0.9	-1.8	-0.9	-5965100	-0.5	
22	380.7	1435.2	12.7	1.9	0.9	0.1	-0.4	-5965100	-0.7	
22	381	1435.8	12.3	0.9	1.3	-2.1	0.2	-5914548	-1	
22	381.3	1435.9	13.2	2.1	1.1	0.3	0.6	-5783840	-1.2	
22	381.6	1436	12.8	4.2	1.2	-1.4	0.8	-5598262	-1.4	
22	381.9	1435.8	13.7	2.2	0.7	-0.2	0.8	-5410207	-1.9	
22	382.2	1435.6	12.9	3	0.6	-1.2	0.6	-5234375	-1.9	
22	382.5	1435.4	13.3	2	0.4	-0.6	0.3	-5119193	-2	
22	382.8	1435.2	13.3	3.7	0	-0.1	0.2	-5069613	-1.5	
22	383.1	1435.1	12.4	2	0.2	-1.9	-0.1	-5119193	-2	
22	383.4	1435	13.8	2.6	-0.1	0.1	-0.1	-5287248	-1.8	
22	383.7	1435	12.3	1.4	0.1	-2.1	-0.1	-5553714	-2	
22	384	1434.7	13.5	2.5	-0.2	-0.5	-0.1	-5881320	-2.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	384.3	1435	12.3	3	0.1	-2.1	0.2	-6231399	-2	
22	384.6	1435.1	12.4	0.9	-0.1	-0.8	0.6	-6563480	-1.9	
22	384.9	1435.2	11.7	1.9	-0.1	-2.8	0.9	-6797890	-1.8	
22	385.2	1435.1	12	1.4	-0.3	-1.8	1	-6820033	-1.9	
22	385.5	1434.8	12	2.3	-0.6	-2	0.9	-6667994	-1.7	
22	385.8	1434.6	11.5	-0.3	-0.8	-2.5	0.7	-6306476	-1.5	
22	386.1	1434.1	11.7	0.5	-1	-1.4	0.2	-5881320	-1.2	
22	386.4	1433.9	10.9	-0.1	-0.7	-2.8	-0.1	-5495407	-1.2	
22	386.7	1433.5	11.2	0.4	-0.9	-0.8	-0.4	-5182550	-0.4	
22	387	1433.5	9.6	-2.4	-0.5	-3	-0.9	-4973278	-0.8	
22	387.3	1433.4	12.1	0.9	-0.3	0.1	-1.3	-4891940	-0.8	
22	387.6	1433.6	10.4	0.2	0.1	-2.1	-1.5	-4903396	-0.8	
22	387.9	1433.9	12.2	1.1	0.5	-0.2	-1.5	-5033053	-0.9	
22	388.2	1434.3	11.2	0.3	0.9	-1.1	-1.4	-5300633	-0.9	
22	388.5	1434.7	11.5	-0.5	1.2	-0.6	-1.1	-5689538	-1	
22	388.8	1434.6	11.5	0.6	1.2	-0.9	-1	-6158088	-1	
22	389.1	1434.7	10.9	-1.8	1.3	-1.5	-0.7	-6689297	-1.1	
22	389.4	1434.7	11.2	-0.5	1.3	-0.5	-0.5	-7244810	-0.9	
22	389.7	1434.9	10.7	-1	1.5	-2.8	-0.3	-7726015	-1.6	
22	390	1434.9	11.4	-0.6	1.2	-1.1	-0.2	-8022031	-1.6	
22	390.3	1434.9	11.1	0.7	1.3	-2.9	-0.3	-8115310	-1.9	
22	390.6	1434.9	11.3	-1.6	1	-1.9	-0.5	-7900944	-1.8	
22	390.9	1435.1	10.5	-0.8	0.9	-2.5	-0.7	-7558664	-1.6	
22	391.2	1434.8	12	-1.1	0.8	-0.7	-1.1	-7170377	-1.7	
22	391.5	1434.6	11.5	0.4	0.6	-1.3	-1.3	-6820033	-1.5	
22	391.8	1434.3	12	-0.2	0.2	-0.3	-1.4	-6502329	-1.5	
22	392.1	1433.9	11.7	0.1	-0.4	-0.6	-1.4	-6250000	-1.4	
22	392.4	1434.1	11.4	-0.6	-0.3	-1.2	-1.1	-6068841	-1.6	
22	392.7	1434	12	0	-0.6	-0.2	-0.8	-5965100	-1.5	
22	393	1434.5	11.7	-0.1	-0.6	-1.1	-0.3	-5914548	-2	
22	393.3	1435	11.4	-1.3	-0.5	-0.5	0.2	-5931303	-1.7	
22	393.6	1435.6	10.6	-1.7	-0.1	-2.6	0.6	-5982143	-2.1	
22	393.9	1435.9	11.7	-1.5	0.1	-1.2	0.7	-5999284	-2.5	
22	394.2	1436.4	10.5	-2.3	0.9	-3.2	0.6	-6033862	-2.4	
22	394.5	1436.4	11.2	-2.5	1.2	-2.3	0.3	-6016523	-2.7	
22	394.8	1436.1	10.6	-2.3	1.3	-3.2	-0.1	-5948154	-2.6	
22	395.1	1435.9	10.4	-2.9	1.7	-3.3	-0.6	-5832173	-2.7	
22	395.4	1435.9	10.4	-2.9	1.9	-3.8	-1.1	-5705041	-2.4	
22	395.7	1435.6	9.9	-2.5	1.8	-3.4	-1.5	-5583334	-2.2	
22	396	1435.3	10.2	-3.6	1.4	-2.1	-1.7	-5495407	-1.5	
22	396.3	1435.5	9.4	-2.9	1.4	-2.7	-1.6	-5466710	-1.2	
22	396.6	1435.6	10.7	-2.8	1	-0.7	-1.4	-5466710	-0.9	
22	396.9	1435.8	10	-2.3	0.8	-1.6	-1	-5509869	-0.5	
22	397.2	1435.8	11	-1.4	0.6	0	-0.6	-5568484	0	
22	397.5	1435.6	10	-1.7	0.4	-0.7	-0.4	-5643531	0.4	
22	397.8	1435.7	11.8	-0.2	0.3	1.1	-0.1	-5705041	0	
22	398.1	1435.7	10.8	-1.2	0.3	0.4	0.1	-5767907	0	
22	398.4	1435.7	11.1	-0.4	0.5	0.2	0.1	-5783840	-0.1	
22	398.7	1435.5	10	-1.7	0.5	0	-0.2	-5736302	0.3	
22	399	1435.6	10.4	-0.5	0.8	-0.9	-0.4	-5689538	-0.8	
22	399.3	1435.6	11.1	-0.1	1	-0.1	-0.7	-5643531	-1.1	
22	399.6	1435.5	11.5	1.9	1.3	-0.8	-1	-5658784	-1.2	
22	399.9	1435.3	11.7	-0.4	1.5	0.2	-1.2	-5720629	-1.4	
22	400.2	1435.2	11.1	0.7	1.7	-1.6	-1.3	-5832173	-1.3	
22	400.5	1435	11	-1.2	1.9	-0.6	-1.6	-5999284	-1.5	
22	400.8	1434.9	11.4	0.2	1.9	-0.8	-1.6	-6231399	-1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	401.1	1434.8	11.2	-0.3	1.6	0.1	-1.3	-6522586	-1.5	
22	401.4	1434.8	10.4	-1.1	1.2	-1.3	-0.9	-6910066	-1.4	
22	401.7	1434.9	10.1	-0.8	1.1	-1.7	-0.7	-7346491	-1.9	
22	402	1434.7	11.1	-0.1	0.6	-1.2	-0.5	-7697610	-1.9	
22	402.3	1434.4	10.2	-0.5	0.2	-3	-0.4	-7871241	-2.2	
22	402.6	1434	11	-0.4	-0.4	-1.2	-0.3	-7812500	-1.8	
22	402.9	1433.8	9.3	-1.8	-0.7	-2.3	-0.1	-7586051	-1.6	
22	403.2	1433.5	10.5	-0.8	-1.2	-0.7	0	-7219828	-1.7	
22	403.5	1433.5	9.2	-1.3	-1.5	-2.4	0.2	-6775890	-1.4	
22	403.8	1433.3	10.2	-1.8	-1.7	-0.2	0	-6363982	-1.2	
22	404.1	1433.4	8.8	-2.7	-1.9	-1.5	0.1	-5982143	-0.6	
22	404.4	1433.7	9.4	-2.6	-1.6	-1.1	0.1	-5720629	-0.9	
22	404.7	1433.8	10.3	-1.4	-1.5	0.6	0.2	-5613271	-0.5	
22	405	1434.1	9.7	-1.7	-1	-1.7	0.2	-5628360	-0.7	
22	405.3	1434.1	9	-3	-0.8	-0.1	0.2	-5736302	0.2	
22	405.6	1434.5	7.7	-4	0	-2.4	0.1	-5948154	0.3	
22	405.9	1434.8	9.3	-2.1	0.4	0.8	0.1	-6231399	0.1	
22	406.2	1435.2	8.1	-2.5	1	-2.5	0	-6482198	0.1	
22	406.5	1435.4	9.3	-2.4	1.2	0.2	-0.1	-6732315	0.3	
22	406.8	1435.7	8	-2.5	1.4	-2.2	-0.1	-6955980	0.5	
22	407.1	1435.9	8.3	-2.9	1.9	-2.5	-0.5	-7073480	-0.1	
22	407.4	1435.7	10.3	-0.3	1.8	-0.3	-0.8	-7049664	0	
22	407.7	1435.6	9.3	-1.1	2.1	-1.4	-1.1	-6979167	-0.3	
22	408	1435.3	10.4	0	1.6	0.8	-1.1	-6842320	0.2	
22	408.3	1435.2	8	-1.9	1.7	-2.9	-1.3	-6667994	-0.3	
22	408.6	1435.1	11.2	1	1.6	0.6	-1.4	-6542969	-0.7	
22	408.9	1435.2	9.9	0.5	1.5	-1.8	-1.3	-6502329	-1	
22	409.2	1435.1	12	1.3	0.9	0.8	-1	-6442308	-1.6	
22	409.5	1435.2	11	1	0.3	-0.3	-0.4	-6383384	-1.3	
22	409.8	1435.3	11.5	0.5	0.1	-1.1	0.1	-6325529	-1.7	
22	410.1	1435.2	11.8	1.8	-0.4	-0.9	0.5	-6250000	-1.5	
22	410.4	1435.1	12	0.2	-0.4	-1.2	0.7	-6194527	-2	
22	410.7	1434.7	12	1.2	-1	0.4	0.8	-6194527	-1.5	
22	411	1434.7	11.7	0.6	-0.9	-1.3	0.8	-6231399	-1.7	
22	411.3	1434.6	12	2	-1	-0.2	0.7	-6231399	-1.4	
22	411.6	1434.7	11.2	0.8	-0.7	-0.7	0.5	-6194527	-1.4	
22	411.9	1434.6	11.8	0.7	-0.4	-0.4	-0.1	-6176254	-1.5	
22	412.2	1434.5	11.5	0	-0.1	-1.2	-0.8	-6194527	-1.6	
22	412.5	1434.5	13.2	1.5	0.4	0.6	-1.3	-6250000	-1.9	
22	412.8	1434.3	12	0.9	0.6	-1.1	-1.6	-6344697	-1.9	
22	413.1	1434.5	12.3	1.3	1.1	-1.1	-1.7	-6402905	-2.4	
22	413.4	1434.4	11.4	0	1.1	-2.1	-1.7	-6383384	-2.2	
22	413.7	1434.6	11.7	0.5	1.4	-1.5	-1.4	-6287538	-2.7	
22	414	1434.6	9	-1.4	1.3	-3.8	-1.4	-6194527	-2.6	
22	414.3	1435.1	10.5	0.4	1.4	-2.4	-1	-6051301	-2.5	
22	414.6	1435.5	10.6	-0.5	1.2	-2.1	-0.4	-5864846	-2.3	
22	414.9	1435.7	9.6	-0.6	1.1	-3.5	0	-5658784	-1.6	
22	415.2	1435.5	10.4	-0.6	0.9	-2.2	0.1	-5438312	-1.4	
22	415.5	1435.4	10.1	0.8	0.6	-2.4	0.2	-5234375	-1.1	
22	415.8	1435.3	10.9	0.4	0.5	-1.3	0.1	-5094283	-1.1	
22	416.1	1434.5	9	-0.2	-0.1	-2.3	-0.4	-4973278	-0.3	
22	416.4	1434.7	9.2	-1	0.1	-2.4	-0.4	-4903396	-0.7	
22	416.7	1434.7	9.1	0.3	-0.3	0.1	-0.4	-4869186	-0.4	
22	417	1434.8	9.4	0	-0.2	-2.8	-0.5	-4835451	-0.9	
22	417.3	1434.6	9.9	-0.4	-0.1	-1.1	-0.7	-4846644	-0.9	
22	417.6	1434.7	10.4	0.7	0.3	-2	-0.7	-4891940	-1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	417.9	1434.7	10.6	1.6	0.5	-0.8	-0.7	-4973278	-1.6	
22	418.2	1435	10.8	3.1	1.2	-1.6	-0.7	-5045181	-1.8	
22	418.5	1435.4	10.4	1.1	1.7	-0.7	-0.5	-5119193	-2.2	
22	418.8	1435.5	12.9	4.8	1.7	1.5	-0.4	-5169753	-1.9	
22	419.1	1435.8	6.8	-2.5	2.2	-4.6	-0.7	-5195410	-2.2	
22	419.4	1435.5	12	4	1.9	0.5	-1	-5169753	-1.9	
22	419.7	1435.2	10.6	2.3	1.7	-1.1	-1.3	-5081918	-1.7	
22	420	1434.6	12.2	1.9	1.1	0.6	-1.6	-4949764	-1.1	
22	420.3	1434.3	9.5	0.2	0.6	-1.7	-1.6	-4791190	-0.5	
22	420.6	1433.8	10.4	0	0	-0.3	-1.6	-4652778	-0.1	
22	420.9	1433.8	8.8	0.8	-0.2	-1.4	-1.4	-4531927	0.3	
22	421.2	1433.7	9.9	-1.3	-0.4	-1.6	-1.3	-4435911	0.1	
22	421.5	1434	9.3	-0.6	-0.4	0.4	-1.1	-4361980	0.1	
22	421.8	1434.4	9.9	-2.1	-0.1	-1.9	-0.8	-4317011	-0.5	
22	422.1	1434.9	10.1	-0.9	0.3	-0.7	-0.4	-4317011	-0.5	
22	422.4	1435.5	10.7	-0.8	0.9	-2.2	-0.1	-4371086	-1.1	
22	422.7	1435.8	10.8	-1	1	-0.7	0.2	-4445329	-1.5	
22	423	1435.8	10.4	-1.6	1.4	-2.2	0.2	-4531927	-1.9	
22	423.3	1435.5	10.6	-1.4	1.1	-1	-0.1	-4621965	-2.2	
22	423.6	1435.3	10.4	-1.3	1.1	-2.5	-0.3	-4715653	-2.2	
22	423.9	1435.2	11.2	-0.8	0.8	-0.8	-0.5	-4780251	-2.4	
22	424.2	1435.1	10.6	-0.6	0.5	-2.3	-0.7	-4857889	-2.4	
22	424.5	1434.9	10.1	-1.7	0.4	-2.3	-1	-4914906	-2.4	
22	424.8	1434.8	11.4	-0.1	0	-1.7	-1.1	-4949764	-2.4	
22	425.1	1434.8	10.5	-2.7	0.2	-2.5	-1.3	-4973278	-2.3	
22	425.4	1434.6	11	-1	0	-1.2	-1.3	-5020984	-1.7	
22	425.7	1435.2	9.9	-2.4	0.7	-2.2	-1	-5069613	-1.7	
22	426	1435.4	11.5	0.1	1	0.2	-0.9	-5131741	-1.7	
22	426.3	1435.9	10	-1.7	1.6	-2.8	-0.6	-5260679	-1.5	
22	426.6	1436.1	11.1	2.1	1.9	-0.7	-0.4	-5354860	-1.5	
22	426.9	1436.1	9.9	-0.6	2.2	-1.7	-0.4	-5396263	-0.9	
22	427.2	1436.3	10.7	0.1	2.6	-1.3	-0.4	-5368590	-1	
22	427.5	1436.1	10.7	1.1	2.4	-0.4	-0.4	-5287248	-0.7	
22	427.8	1436.1	10.6	0.2	2.6	-1.5	-0.4	-5169753	-0.8	
22	428.1	1435.5	10.2	0.1	1.6	0.1	-0.5	-5020984	-0.2	
22	428.4	1435.3	8.8	-2.1	1.2	-2.8	-0.7	-4880536	-0.6	
22	428.7	1434.6	11.4	2.4	0.4	1	-1	-4726298	-0.8	
22	429	1434.2	10	0.8	-0.1	-1	-1.1	-4601649	-0.8	
22	429.3	1433.7	11.3	2.2	-0.6	0.7	-1.2	-4551631	-1	
22	429.6	1433.4	10.7	1.3	-1	-0.1	-1.1	-4601649	-0.4	
22	429.9	1433.4	10.2	0.3	-1	-0.9	-1	-4758523	-1.2	
22	430.2	1433.2	11.7	1.3	-1.1	0.5	-0.9	-5045181	-1.4	
22	430.5	1433.6	9.8	-0.8	-0.3	-1.6	-0.6	-5410207	-1.8	
22	430.8	1434.1	10.5	-0.3	0.3	-0.5	-0.4	-5832173	-2	
22	431.1	1434.5	9.2	-1.2	1	-3.2	-0.2	-6231399	-2	
22	431.4	1434.7	9.4	-3.5	1.3	-1.4	-0.1	-6625791	-1.2	
22	431.7	1434.8	9.3	2.5	1.5	-3.2	0	-6979167	-1.4	
22	432	1434.7	10.1	-1.9	1.4	-1.8	-0.1	-7145905	-1.6	
22	432.3	1434.6	9.2	-1.4	1.4	-2.4	-0.2	-7097458	-1.2	
22	432.6	1434.2	9.1	-3.1	1.2	-2.4	-0.5	-6864754	-1.1	
22	432.9	1433.5	8.9	-0.6	0.4	-1.6	-0.7	-6542969	-0.7	
22	433.2	1433.1	9.1	-1.3	-0.5	-1.1	-0.8	-6268713	-0.6	
22	433.5	1432.8	9.3	0.5	-1.3	-0.2	-0.8	-6104228	-0.1	
22	433.8	1432.9	9.2	-0.7	-1.6	-1.3	-0.8	-6033862	-0.8	
22	434.1	1432.9	11	1.7	-1.8	1.1	-0.7	-6051301	-1.2	
22	434.4	1433.3	9.8	-0.1	-1.5	-2	-0.5	-6122076	-1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	434.7	1433.5	10.7	0.6	-1.7	0.2	-0.1	-6287538	-1.9	
22	435	1433.8	9.1	-1.6	-1.1	-3.2	0.2	-6482198	-1.9	
22	435.3	1434.1	9.8	-1	-0.7	-1.2	0.5	-6754032	-2	
22	435.6	1434.7	8.8	-1.6	0.2	-3.7	0.6	-7002509	-2.2	
22	435.9	1435.3	9.6	-1	1	-2.2	0.6	-7145905	-2.4	
22	436.2	1435.8	10	-0.4	1.5	-2.1	0.6	-7145905	-2	
22	436.5	1436.1	8.2	-3	2	-4	0.3	-6979167	-1.7	
22	436.8	1436	10.3	-0.3	1.9	-0.8	-0.1	-6710737	-1.3	
22	437.1	1435.9	8	-2.1	2.2	-3.9	-0.7	-6422546	-1.4	
22	437.4	1435.2	11.7	0.3	1.6	0.8	-1.3	-6140030	-1.4	
22	437.7	1435	9.2	-1.3	1.5	-1.7	-1.6	-5881320	-1.4	
22	438	1434.6	11.5	0.5	1	2	-1.9	-5674120	-1.5	
22	438.3	1434.6	9.5	-0.4	0.8	-1.6	-1.9	-5524407	-1.5	
22	438.6	1434.5	11	-0.5	0.6	0.3	-1.9	-5466710	-1.7	
22	438.9	1434.7	10	0	0.7	-0.7	-1.6	-5495407	-1.3	
22	439.2	1435	9.9	-1.2	0.8	-1.1	-1.2	-5613271	-1.4	
22	439.5	1435.4	10.3	0.4	0.9	0.2	-0.5	-5815972	-1	
22	439.8	1436	9.9	-0.8	1.4	-2	0.2	-6033862	-1.1	
22	440.1	1436.1	9.1	-1.6	1.1	-0.7	0.9	-6268713	-0.1	
22	440.4	1436.4	7.1	-3.5	1.4	-4	1.2	-6482198	0.1	
22	440.7	1436	9.6	-0.6	0.9	0.6	1.2	-6584120	0.4	
22	441	1435.7	8	-0.8	0.7	-2.8	0.9	-6625791	0.2	
22	441.3	1435.1	10.7	-0.7	0	1.1	0.7	-6584120	0.4	
22	441.6	1434.8	8.8	-1.2	-0.4	-1.5	0.5	-6502329	0.4	
22	441.9	1434.2	10.3	-1	-0.7	-0.2	-0.1	-6383384	0	
22	442.2	1433.6	10	-0.7	-1.3	-0.4	-0.6	-6287538	0	
22	442.5	1433.2	10.3	0.1	-1.3	-0.2	-1.1	-6231399	-0.5	
22	442.8	1432.9	11	-0.7	-1.5	1.6	-1.3	-6250000	-0.6	
22	443.1	1433.3	9.4	-0.4	-0.9	-1.9	-1.2	-6363982	-0.9	
22	443.4	1433.7	11.1	0.6	-0.5	1.2	-1	-6542969	-1.1	
22	443.7	1434.1	9.9	0.7	0.1	-2.3	-0.7	-6754032	-1.3	
22	444	1434.4	11.6	2.2	0.3	0.5	-0.4	-6932947	-1.5	
22	444.3	1434.7	10.7	1.4	0.9	-1.9	-0.3	-7073480	-1.4	
22	444.6	1435.1	11	0.9	1.4	-0.9	-0.1	-7097458	-1.5	
22	444.9	1435.1	10.9	1.7	1.6	-1.2	-0.1	-6979167	-1	
22	445.2	1435.1	10.5	1.4	1.6	-1.7	0	-6754032	-1	
22	445.5	1434.9	11.2	2.3	1.3	-0.6	-0.2	-6442308	-0.9	
22	445.8	1434.8	9.6	0.5	1.1	-2.4	-0.4	-6104228	-0.8	
22	446.1	1434.3	11.2	1.9	0.6	0	-0.9	-5783840	-0.5	
22	446.4	1434.2	10.5	1.3	0.6	-1.8	-1.3	-5495407	-0.7	
22	446.7	1434	12.2	1.2	0.5	0.2	-1.6	-5287248	-0.9	
22	447	1434	10.8	1	0.4	-1	-1.8	-5169753	-1.2	
22	447.3	1434	12	1.3	0.5	0.2	-1.9	-5169753	-1.7	
22	447.6	1434	11.4	2.3	0.5	-1.2	-1.9	-5260679	-2.2	
22	447.9	1434.2	12.5	2.7	0.6	-0.5	-1.7	-5382391	-2.7	
22	448.2	1434.5	11.4	2.6	1	-2	-1.5	-5553714	-3.1	
22	448.5	1435	11.6	2	1.4	-2.4	-1.1	-5736302	-3.6	
22	448.8	1435.3	11.7	1.7	1.6	-2.4	-0.8	-5931303	-3.9	
22	449.1	1435.6	11.6	3.4	1.5	-3.9	-0.3	-6086483	-4.1	
22	449.4	1435.7	10.3	0	1.2	-3.8	0.1	-6158088	-3.3	
22	449.7	1435.8	9.2	1.2	1.3	-5.5	0.2	-6086483	-2.8	
22	450	1435.7	10.4	-1.3	0.9	-3.2	0.3	-5897888	-2.1	
22	450.3	1435.6	9.4	0.2	0.9	-4.3	0.2	-5643531	-1.2	
22	450.6	1435.2	11	-0.5	0.5	-0.9	-0.1	-5396263	-0.5	
22	450.9	1435	9.5	0	0.2	-1.9	-0.2	-5195410	0.6	
22	451.2	1434.9	9.9	-1.1	0	-0.8	-0.4	-5057367	1.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	451.5	1434.8	10.6	0.6	-0.1	0.3	-0.5	-4961493	1.6	
22	451.8	1434.8	10.9	1	-0.2	0.7	-0.6	-4891940	1.1	
22	452.1	1434.7	11.9	1.6	-0.5	2.7	-0.6	-4880536	0.7	
22	452.4	1434.9	11.6	1.7	-0.3	0.3	-0.5	-4914906	-0.1	
22	452.7	1434.8	12.5	3.4	-0.4	2.1	-0.4	-4985119	-0.5	
22	453	1435.1	11.4	4.3	-0.2	-1.3	-0.1	-5045181	-1.1	
22	453.3	1435.1	12.5	2.9	-0.1	0.8	0.1	-5045181	-1.5	
22	453.6	1435.3	12	4	0.3	-0.7	0.2	-4997017	-1.7	
22	453.9	1435.3	12.2	1.5	0.6	-1.3	0	-4891940	-2.4	
22	454.2	1435.5	12.4	3.6	1	-0.8	-0.1	-4780251	-2.1	
22	454.5	1435.7	10.6	0.3	1.6	-3.1	-0.4	-4684005	-2.1	
22	454.8	1435.7	12.1	2.1	1.5	-1.2	-0.6	-4591557	-1.7	
22	455.1	1435.7	10.3	0	1.7	-3.1	-0.8	-4531927	-1.3	
22	455.4	1435.5	12.3	1.3	1.6	0.2	-1	-4493026	-0.9	
22	455.7	1435.2	10.8	1.4	1.4	-2	-1.2	-4522139	-0.8	
22	456	1434.8	12.1	1	0.8	0.2	-1.3	-4601649	-0.8	
22	456.3	1434.6	11.6	1.7	0.6	-1.7	-1.3	-4747733	-0.8	
22	456.6	1434.4	11.4	-0.2	0.2	-1.5	-1.2	-4938090	-0.9	
22	456.9	1434.3	11.4	0.7	-0.1	-0.6	-1	-5157020	-0.9	
22	457.2	1434.6	11.5	0.5	-0.1	-1.6	-0.7	-5396263	-1.2	
22	457.5	1434.7	11.6	0.7	-0.3	-0.7	-0.6	-5628360	-1.3	
22	457.8	1434.7	10.9	0.4	-0.1	-3.2	-0.7	-5832173	-1.3	
22	458.1	1434.8	11.6	0.4	0.1	-0.2	-0.7	-5948154	-1.1	
22	458.4	1435.2	10.3	0.7	0.7	-3.6	-0.7	-6016523	-1.3	
22	458.7	1435.2	12.8	1.6	0.7	0.4	-0.7	-5982143	-1.5	
22	459	1435.2	11.6	1.1	0.9	-2	-0.7	-5897888	-1.3	
22	459.3	1435.2	11.6	-0.6	1.1	-1.3	-0.8	-5736302	-1.6	
22	459.6	1435.2	11.6	0.8	1.1	-1	-0.9	-5539021	-1.3	
22	459.9	1435.5	11.7	-0.3	1.4	-1.6	-0.9	-5382391	-1.7	
22	460.2	1435.5	13.4	2	1.1	1.3	-0.7	-5273930	-1.6	
22	460.5	1435.7	10.7	-1.8	1.1	-2.9	-0.5	-5195410	-1.7	
22	460.8	1435.6	13	1.6	0.6	1.4	-0.3	-5182550	-1.4	
22	461.1	1435.7	10.2	-1.4	0.8	-4.2	-0.2	-5221322	-1.6	
22	461.4	1435.5	13.2	1.5	0.6	0.6	-0.1	-5300633	-1.7	
22	461.7	1435.5	11.3	-0.3	0.7	-2.7	-0.1	-5410207	-1.5	
22	462	1435.4	11.2	0.9	0.7	-1.8	-0.2	-5539021	-1.4	
22	462.3	1435.4	11.6	2.4	0.8	-1.5	-0.3	-5689538	-1.3	
22	462.6	1435.5	10	-0.4	1	-3.8	-0.5	-5799862	-1.5	
22	462.9	1435.4	12.3	2.9	0.9	-0.7	-0.8	-5897888	-1.5	
22	463.2	1435.3	10.2	-0.8	1.1	-3.8	-1.2	-5914548	-1.5	
22	463.5	1435	12.8	3.3	0.9	0.5	-1.4	-5848464	-1.4	
22	463.8	1434.9	10.1	0.2	0.9	-3.6	-1.6	-5720629	-1.5	
22	464.1	1434.7	13.4	2.8	0.3	1.2	-1.4	-5568484	-1.7	
22	464.4	1434.6	11.7	0.8	0	-1.6	-1.2	-5410207	-1.7	
22	464.7	1434.3	11.9	0	-0.7	0.2	-1	-5287248	-1.5	
22	465	1434.6	11.1	-0.5	-0.8	-1.4	-0.7	-5195410	-1.8	
22	465.3	1434.9	12.4	-0.1	-0.8	-0.2	-0.4	-5131741	-2.1	
22	465.6	1435.3	12	0.6	-0.7	-1.1	0.1	-5119193	-2.2	
22	465.9	1435.4	11.6	-0.9	-0.8	-2.3	0.4	-5169753	-2.1	
22	466.2	1435.6	11.3	-0.7	-0.5	-0.8	0.5	-5287248	-1.9	
22	466.5	1436.1	9.8	-2.4	0.3	-4.7	0.4	-5481021	-2.2	
22	466.8	1436.2	12.1	-0.3	0.8	-1	0.2	-5752061	-2.1	
22	467.1	1436.7	8.7	-1.9	1.9	-4.8	0	-6086483	-1.7	
22	467.4	1436.7	11.4	-0.7	2	-0.8	-0.3	-6402905	-1.4	
22	467.7	1436.8	8.7	-1.6	2.3	-4.7	-0.6	-6732315	-1	
22	468	1436.6	11.6	-0.7	2.4	-1.1	-1	-7049664	-1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	468.3	1436.6	10.9	0.1	2.6	-1.9	-1.1	-7320804	-0.5	
22	468.6	1436.4	10.3	-1.8	2.6	-2.1	-1.3	-7451068	-0.4	
22	468.9	1436.1	11.2	-0.4	2.3	1	-1.3	-7558664	0.1	
22	469.2	1435.8	10.4	-1	2.1	-2	-1.3	-7641424	0.1	
22	469.5	1435.3	11.6	0.2	1.4	2.4	-1.2	-7613637	0.4	
22	469.8	1435.4	10.5	-1	1.1	-1.4	-0.9	-7586051	0	
22	470.1	1435.3	12.5	0.9	0.5	3	-0.5	-7558664	-0.5	
22	470.4	1435.1	11.4	0.5	0.4	-1.9	-0.4	-7477679	-1	
22	470.7	1434.8	13.1	1.5	-0.3	1.4	-0.2	-7372359	-1.6	
22	471	1434.5	12.7	2.4	-0.9	0.1	0.1	-7346491	-1.4	
22	471.3	1434.1	10.8	-2	-1.2	-1.8	0.2	-7295296	-1.8	
22	471.6	1433.8	13	1.4	-1.4	0.4	0.3	-7219828	-2	
22	471.9	1433.6	10.6	-1	-1.5	-3.4	0.3	-7145905	-2.4	
22	472.2	1433.6	12.5	0.9	-1.7	-0.1	0.4	-7145905	-2.2	
22	472.5	1433.7	9.2	-2.5	-1.4	-5	0.2	-7244810	-2	
22	472.8	1433.7	13	-0.4	-1.3	0	0.2	-7424646	-1.7	
22	473.1	1434.1	9.4	-1.3	-0.4	-4.5	0	-7754630	-1.6	
22	473.4	1434.1	12.2	-0.8	0	-0.6	-0.3	-8243110	-1.6	
22	473.7	1434.1	10.3	0.1	0.4	-2.3	-0.6	-8871822	-1.3	
22	474	1434.1	10.9	-2.3	0.8	-2	-1	-9648618	-1.4	
22	474.3	1434.2	11.6	0.3	1	-1.4	-1.2	-1E+07	-1.3	
22	474.6	1434.5	10.4	-0.8	1.3	-3.1	-1.3	-1.1E+07	-1.4	
22	474.9	1434.5	11.9	0.3	1.2	0.9	-1.3	-1.2E+07	-1.4	
22	475.2	1434.4	11.2	1.2	1.2	-3.1	-1.3	-1.2E+07	-1.4	
22	475.5	1434.2	11.5	-0.8	0.7	0.8	-1.1	-1.3E+07	-1.2	
22	475.8	1434.4	9.8	-0.4	0.9	-3.8	-0.8	-1.3E+07	-1.3	
22	476.1	1434.4	11.8	-1	0.6	0.8	-0.4	-1.2E+07	-1.5	
22	476.4	1434.9	10	-0.1	0.5	-3.4	0.1	-1.1E+07	-1.6	
22	476.7	1435.1	12.9	-0.5	0.1	-0.2	0.6	-1.1E+07	-1.6	
22	477	1435.4	11.7	0	0	-0.9	1	-1.1E+07	-1.4	
22	477.3	1435.5	9.9	-2	-0.1	-3.3	1	-1E+07	-1.5	
22	477.6	1435.4	12.8	1.7	-0.3	0.2	1	-9922986	-1.5	
22	477.9	1435.1	9.7	-2.7	-0.2	-3.5	0.7	-9517046	-1.4	
22	478.2	1434.5	12.3	0.3	-0.7	0.2	0.4	-9389014	-1.3	
22	478.5	1434.3	8.6	-3	-0.4	-5.2	-0.2	-9431306	-1.5	
22	478.8	1434.4	12.7	1.4	-0.7	1	-0.3	-9693287	-1.8	
22	479.1	1434.6	11.5	1.7	-0.4	-3	-0.4	-1E+07	-1.7	
22	479.4	1434.3	12.1	0	-0.4	-1.5	-0.9	-1.1E+07	-1.8	
22	479.7	1434.7	11.6	2.9	0.1	-1.3	-1	-1.1E+07	-1.7	
22	480	1435	11.1	-0.3	0.3	-2.9	-1	-1.2E+07	-1.8	
22	480.3	1435.1	12.1	3.4	0.5	-0.4	-1	-1.2E+07	-1.5	
22	480.6	1435.3	11.9	0.3	0.9	-2.1	-0.9	-1.2E+07	-1.4	
22	480.9	1435.5	12.9	2	0.6	1.7	-0.4	-1.2E+07	-1	
22	481.2	1435.8	9.9	-0.4	1	-4.1	-0.4	-1.2E+07	-0.9	
22	481.5	1435.8	12.8	1.6	0.9	0.2	-0.4	-1.1E+07	-0.8	
22	481.8	1435.8	11.9	1.5	1.2	-1.7	-0.4	-1.1E+07	-0.6	
22	482.1	1435.7	12.6	1	0.7	-0.2	-0.2	-1E+07	-0.6	
22	482.4	1436	11.6	1.1	0.6	-1.3	0.1	-9389014	-0.3	
22	482.7	1436	12.4	-0.1	0.5	-1.8	0.2	-8871822	-0.8	
22	483	1436	12.9	1.5	0.3	1	0.4	-8476721	-0.7	
22	483.3	1436.2	11.8	-1.3	0.4	-2.6	0.4	-8243110	-1.3	
22	483.6	1436	13.6	0.9	0.1	0.8	0.4	-8243110	-1.6	
22	483.9	1435.9	12.2	1.4	0.2	-2.8	0.3	-8511179	-1.7	
22	484.2	1435.7	13.8	0.8	0	0.4	0.2	-9063853	-2	
22	484.5	1435.7	12.9	2.3	0.1	-2.3	0.1	-9693287	-2.4	
22	484.8	1435.6	14.1	1.6	-0.1	0.4	0	-1E+07	-2.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	485.1	1435.5	14.8	5.6	0	-0.1	0.3	-1.1E+07	-2.8	
22	485.4	1435.4	10.6	-2.4	0.1	-3.9	0.2	-1.2E+07	-2.9	
22	485.7	1435.3	13.2	3.8	0.1	-0.6	-0.1	-1.2E+07	-2.7	
22	486	1435.2	12.6	0.4	0.3	-1.9	-0.5	-1.2E+07	-2.6	
22	486.3	1435.1	13.7	3.4	0	0.8	-0.5	-1.2E+07	-1.9	
22	486.6	1435.2	11	0.1	0.2	-3.2	-0.5	-1.1E+07	-1.5	
22	486.9	1435.2	13.1	1.5	0.1	1	-0.4	-9876179	-1.1	
22	487.2	1435.3	10.2	-0.2	0.4	-3.6	-0.4	-9143013	-0.7	
22	487.5	1434.4	11.8	-0.1	0.5	-0.3	-1.2	-8616255	-0.3	
22	487.8	1434.2	10.3	-0.9	0.8	-1	-1.5	-8308532	0.2	
22	488.1	1434.3	10.3	-1.2	0.8	-1.1	-1.3	-8243110	0.1	
22	488.4	1434.8	10.3	0.5	1	-1.5	-1	-8375000	0.1	
22	488.7	1435.3	9.8	-2	1.2	-2.1	-0.7	-8760460	-0.2	
22	489	1435.4	11.6	1.6	1	-0.2	-0.5	-9223568	-0.1	
22	489.3	1435.4	9.1	-3.8	1	-3.9	-0.4	-9693287	-0.1	
22	489.6	1434.9	12	0.3	0.3	0.9	-0.3	-1E+07	0	
22	489.9	1434.7	8.9	-1	0.4	-3.7	-0.1	-1.1E+07	-0.4	
22	490.2	1434.5	12.5	-0.3	0.1	0.8	0.2	-1.1E+07	-0.7	
22	490.5	1434.3	9.9	0.2	-0.1	-2.5	0.1	-1.1E+07	-0.9	
22	490.8	1434.4	11.2	-1.1	-0.2	0.2	-0.1	-1.1E+07	-0.9	
22	491.1	1434.6	9.8	1.2	-0.1	-2.5	-0.4	-9783879	-0.9	
22	491.4	1434.6	12.5	-0.2	0.1	-0.4	-0.7	-9024785	-1	
22	491.7	1434.3	12.8	1.3	0.1	1.7	-1	-8442541	-1	
22	492	1434.4	12.1	0	0.5	0.3	-1	-7991412	-1.1	
22	492.3	1434.4	12.5	0.9	0.5	1.8	-1	-7697610	-1.2	
22	492.6	1434.2	11.6	0.5	0.6	-1.6	-1.1	-7477679	-1.3	
22	492.9	1434.2	12.7	0.6	0.5	3	-0.9	-7398410	-1.3	
22	493.2	1434.5	9.8	-2.1	0.5	-3.3	-0.7	-7424646	-1.5	
22	493.5	1434.8	13	0.1	0.3	1.4	-0.3	-7586051	-1.7	
22	493.8	1435	12.2	2.3	-0.1	-1.9	0.2	-7871241	-1.7	
22	494.1	1435	11.1	-1.7	-0.2	-1.6	0.5	-8210785	-1.3	
22	494.4	1435	9.4	-2.5	-0.2	-3.8	0.3	-8616255	-1.1	
22	494.7	1435	10.2	-2.4	-0.2	-2.1	0.2	-9024785	-0.9	
22	495	1434.9	11.4	-0.2	-0.2	0.4	0.1	-9431306	-0.3	
22	495.3	1434.9	7	-5.4	0.1	-5.8	-0.4	-9560502	-0.6	
22	495.6	1435	12.1	-0.8	0.2	1.1	-0.6	-9560502	-0.8	
22	495.9	1435.1	10	-1.8	0.5	-3	-1	-9604358	-1.2	
22	496.2	1435.2	12.4	-1.2	0.6	0.9	-1.1	-9783879	-1.4	
22	496.5	1435.2	10	-2.2	1	-2.5	-1.3	-9876179	-1.8	
22	496.8	1435.4	12.1	-1.7	1	1.7	-1	-9876179	-2.1	
22	497.1	1435.7	10.3	-2.6	1.1	-2	-0.7	-9738372	-2.3	
22	497.4	1435.9	9.8	-4.3	1.3	-2.7	-0.4	-9473982	-2.6	
22	497.7	1436.2	11.7	-3.1	1.1	0.6	0.1	-9517046	-2.7	
22	498	1436.4	10.7	0.1	1	-3.4	0.5	-9693287	-2.7	
22	498.3	1436.3	10.6	-2.6	0.7	-0.8	0.8	-9738372	-2.2	
22	498.6	1436.3	8.1	-4.5	0.9	-6	0.9	-9604358	-1.9	
22	498.9	1435.9	10.4	-3.3	0.6	-1	0.9	-9264381	-1.2	
22	499.2	1435.8	7.2	-3.8	0.9	-5.7	0.7	-8947650	-0.7	
22	499.5	1435.5	9.8	-3.3	0.8	-0.2	0.4	-8760460	-0.6	
22	499.8	1435.2	8.5	-1.7	0.8	-3	-0.1	-8723959	-0.3	
22	500.1	1435	9.9	-1.9	0.8	-0.9	-0.6	-8687760	-0.2	
22	500.4	1434.8	10.7	0.4	0.6	-0.8	-1	-8651860	0.1	
22	500.7	1434.4	8.3	-2	0.7	-2.9	-1.7	-8723959	-0.1	
22	501	1433.9	12.1	1.8	0.1	2.2	-2	-9063853	-0.1	
22	501.3	1433.5	10.5	0.7	-0.1	-0.8	-2.2	-9604358	-0.2	
22	501.6	1433	12.3	0.7	-0.9	3.7	-2	-1E+07	-0.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	501.9	1433	8.6	-0.5	-1	-3.1	-1.8	-1.2E+07	-0.6	
22	502.2	1433.2	12.7	0.7	-1.1	2.8	-1.2	-1.2E+07	-0.7	
22	502.5	1433.5	9.5	0.6	-1.1	-3.2	-0.7	-1.3E+07	-1.3	
22	502.8	1434	12.4	-0.1	-0.9	0.8	-0.1	-1.4E+07	-1.8	
22	503.1	1434.6	11.6	1.7	-0.5	-1.2	0.5	-1.4E+07	-2.2	
22	503.4	1435.2	11.6	0.4	-0.2	-1.8	1	-1.3E+07	-2.3	
22	503.7	1435.8	11.9	2.1	0.1	-1.8	1.4	-1.2E+07	-2.2	
22	504	1436.1	9.4	-3.1	0.7	-5.3	1.4	-1.1E+07	-2.2	
22	504.3	1436	12.5	-0.3	0.7	0.6	1.4	-1E+07	-2.2	
22	504.6	1435.9	9.9	-2.2	0.8	-5.2	1.2	-9693287	-2.2	
22	504.9	1435.5	12.9	0.4	0.6	1.5	1	-9264381	-1.9	
22	505.2	1435.3	8.9	-2.7	0.8	-5.5	0.6	-8947650	-1.7	
22	505.5	1434.9	12.9	0.2	0.6	0.2	0.2	-8834388	-1.3	
22	505.8	1435	10.2	0.4	0.8	-2.5	0	-8797269	-1.2	
22	506.1	1435	12.6	-0.4	0.7	-0.3	-0.1	-8909575	-1.5	
22	506.4	1435	12.7	0.5	0.9	1.8	-0.3	-9063853	-1.7	
22	506.7	1434.9	10.8	-0.3	0.9	-3.4	-0.5	-9183114	-2	
22	507	1434.6	13.2	3.8	0.7	1.4	-0.7	-9063853	-2.1	
22	507.3	1434.3	9.5	-0.7	0.6	-5.5	-1	-8760460	-2.2	
22	507.6	1433.9	12.9	1.5	0.1	2.2	-1.1	-8511179	-2.3	
22	507.9	1433.6	11.3	4.3	-0.2	-4	-1.1	-8146887	-2.4	
22	508.2	1433.3	11.4	-0.7	-0.7	-1.9	-1.2	-7783457	-2.4	
22	508.5	1433	11	1	-1.1	-3.5	-1.3	-7504480	-2	
22	508.8	1432.8	9.1	-3.3	-1.3	-3.8	-1.5	-7320804	-1.9	
22	509.1	1433	12	2	-1.5	-0.8	-1.3	-7244810	-1.5	
22	509.4	1433.3	9.5	-2.6	-1.5	-3	-0.9	-7269965	-1.4	
22	509.7	1433.8	12.7	2.4	-1.4	1.9	-0.4	-7451068	-1	
22	510	1434.5	7.9	-1.9	-0.6	-5.4	-0.2	-7754630	-1.1	
22	510.3	1434.9	12.8	1.1	-0.3	1.1	0.1	-8210785	-1.2	
22	510.6	1435.4	11.6	0.9	0.3	-1.7	0.3	-8687760	-1.3	
22	510.9	1435.8	12.4	1.8	0.6	0.9	0.8	-9389014	-1.3	
22	511.2	1436.2	9.3	1.2	1.1	-2.6	0.9	-1E+07	-1.3	
22	511.5	1436.6	11.8	1.4	1.3	-0.5	1.1	-1.1E+07	-1.3	
22	511.8	1436.8	9	1.8	1.7	-3.3	0.8	-1.1E+07	-1.4	
22	512.1	1436.8	10.1	0.3	1.9	-2.8	0.3	-1.2E+07	-1.6	
22	512.4	1436.6	11.5	3	1.7	0.7	-0.1	-1.2E+07	-1.5	
22	512.7	1436.6	9.8	-0.1	1.8	-3.7	-0.5	-1.1E+07	-1.6	
22	513	1436.3	12.6	1.9	1.3	0.1	-0.8	-1.1E+07	-1.7	
22	513.3	1435.9	9.5	1.2	1.2	-4.2	-1.2	-1.1E+07	-1.8	
22	513.6	1435.5	12.1	0	0.8	1	-1.4	-1E+07	-1.8	
22	513.9	1435.4	10	-0.5	0.6	-3.8	-1.4	-9922986	-1.8	
22	514.2	1435.2	12.3	0	0.4	3	-1.3	-9783879	-1.8	
22	514.5	1435.3	9.8	1.2	0.5	-2.5	-1	-9693287	-1.6	
22	514.8	1435.5	10.8	-1.9	0.8	-1.3	-0.8	-9648618	-1.8	
22	515.1	1435.8	10.9	1.4	1.1	-1.5	-0.7	-9604358	-1.7	
22	515.4	1436.1	10	-2.4	1.4	-2.5	-0.7	-9517046	-1.7	
22	515.7	1436.1	11.4	-0.2	1.4	1.3	-0.7	-9517046	-1.2	
22	516	1436.1	9.3	-2.3	1.5	-4.2	-0.7	-9431306	-1.3	
22	516.3	1435.7	12.3	0.4	1.2	1.1	-0.7	-9305556	-0.7	
22	516.6	1435.4	5.9	-3.5	1.4	-6.9	-1	-9063853	-0.7	
22	516.9	1434.7	11.3	-1.2	0.7	1.6	-1.3	-8871822	-0.9	
22	517.2	1434.4	9.1	-0.8	0.5	-3	-1.5	-8760460	-0.8	
22	517.5	1434.2	11.6	-1.3	-0.3	1.8	-1.1	-8760460	-0.3	
22	517.8	1434.6	9	0.1	-0.2	-2.6	-1	-8909575	-0.5	
22	518.1	1434.9	8.3	-4.6	-0.1	-2.3	-0.7	-9143013	-1.1	
22	518.4	1435	12.3	2.1	-0.4	0.2	-0.2	-9604358	-1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	518.7	1434.9	11.1	-1.5	-0.7	-1	0.2	-1E+07	-1.4	
22	519	1434.9	12	-0.7	-0.8	2.2	0.6	-1.1E+07	-1.2	
22	519.3	1435.2	7.8	-3	-0.2	-5.3	0.8	-1.2E+07	-1.4	
22	519.6	1435.2	11.8	-1.4	-0.3	1.4	1.1	-1.4E+07	-1.7	
22	519.9	1435.4	8.2	-1.3	0.2	-6.1	1	-1.5E+07	-1.8	
22	520.2	1435.4	12.2	-0.7	0	1.9	0.9	-1.6E+07	-1.9	
22	520.5	1435.3	7.7	-3.6	0.3	-5.3	0.4	-1.8E+07	-2	
22	520.8	1435.1	12.2	0.8	0	-0.4	0.1	-1.9E+07	-2.1	
22	521.1	1435	9.1	-1.9	0.3	-4.9	-0.4	-2E+07	-2.1	
22	521.4	1434.8	11.2	2.1	0.5	-3	-0.9		-2.2	
22	521.7	1434.5	12.1	0.1	0.2	-0.3	-1.1	-2E+07	-2.1	
22	522	1434.4	8.4	-1.1	0.4	-5.5	-1.4	-2E+07	-2.2	
22	522.3	1434.1	13.4	0.7	-0.2	1.8	-1.2		-2	
22	522.6	1434.4	7.8	-0.1	0.1	-6.9	-1.1		-2	
22	522.9	1434.4	13.7	0.9	-0.4	4.1	-0.5		-1.7	
22	523.2	1435	8.7	-2.9	0.2	-5.3	-0.2		-1.5	
22	523.5	1435.3	12.8	0.4	0	1.9	0.3		-1.6	
22	523.8	1435.5	12	2.7	0.2	-1.9	0.6		-1.7	
22	524.1	1435.6	12.8	1	0	1.5	1.1		-1.8	
22	524.4	1435.6	11.6	2.6	0.1	-0.8	1.2		-1.8	
22	524.7	1435.6	11	0.9	0.4	-2.4	1.1		-2	
22	525	1435.4	13.2	1.7	0.3	1.8	0.9		-1.9	
22	525.3	1435.2	8	-1.8	0.6	-7	0.4		-1.8	
22	525.6	1435	12.9	0.3	0.3	1.4	0.2		-1.6	
22	525.9	1435	9.6	0.1	0.5	-4.9	-0.2		-1.4	
22	526.2	1434.5	13.2	1.1	0	2.7	-0.4		-1.2	
22	526.5	1434.5	7	-3	0.5	-7.2	-0.9		-1.1	
22	526.8	1434.1	12.7	0.4	0	0	-1		-0.9	
22	527.1	1434.1	9.4	-0.4	0.1	-3.3	-1		-0.6	
22	527.4	1433.9	11.2	0.4	0	-2.1	-1	17447917	-0.7	
22	527.7	1434	12.7	1.8	-0.4	3.1	-0.7	13865894	-0.7	
22	528	1434	11.2	1.2	-0.6	-2.8	-0.5	11631945	-0.9	
22	528.3	1434	13.4	2	-1	2.6	-0.1	10213415	-0.7	
22	528.6	1434.3	6.6	-2.7	-0.4	-8	-0.1	9473982	-1	
22	528.9	1434.3	13.3	1	-0.7	4.4	0.2	9143013	-1.2	
22	529.2	1434.6	12	6.1	-0.6	-2.1	0.6	9223568	-1.3	
22	529.5	1434.4	13.2	1.9	-0.8	1.3	0.8	9693287	-1.2	
22	529.8	1434.5	11.9	2.8	-0.6	-1.5	0.9	10574495	-1	
22	530.1	1435	9.7	-1.9	-0.2	-3.9	0.9	11762641	-1.2	
22	530.4	1435.2	13.3	4.3	-0.2	1.6	1.1	13335987	-1.3	
22	530.7	1435.2	10.7	2.4	-0.2	-3.9	1.1	14955357	-1.4	
22	531	1435	14.1	1.8	-0.7	4.5	1.4	16357422	-1.1	
22	531.3	1435.2	8.4	-2.7	-0.3	-6.6	1.1	16885081	-1.4	
22	531.6	1435	12.9	0.9	-0.3	-0.4	0.9	16105769	-1.6	
22	531.9	1434.8	12	4.2	-0.3	-3.1	0.8	14539931	-1.7	
22	532.2	1434.5	13.7	1.9	-0.8	1.1	0.9	12537425	-1.7	
22	532.5	1434.5	12.1	3.9	-1.1	-0.8	0.9	10737180	-1.6	
22	532.8	1434.6	9.7	-2.5	-1.1	-3.8	0.8	9305556	-1.7	
22	533.1	1434.5	13.1	5.4	-0.9	-0.8	0.6	8308532	-1.8	
22	533.4	1434.4	10.4	-1.8	-0.7	-3.8	0.2	7613637	-1.9	
22	533.7	1434.4	13.8	4.7	-0.8	1.2	0	7097458	-1.9	
22	534	1434.2	11.4	0.2	-0.8	-3.3	-0.3	6754032	-1.9	
22	534.3	1434.1	13.7	1.6	-0.8	-0.1	-0.4	6584120	-1.7	
22	534.6	1434.3	9.9	1.5	-0.4	-5.1	-0.4	6542969	-1.6	
22	534.9	1434.3	12.8	-0.6	-0.6	-0.1	-0.4	6584120	-1.5	
22	535.2	1434.5	10.4	2.6	-0.2	-2.9	-0.6	6667994	-1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	535.5	1434.4	13.4	-0.3	-0.5	1.5	-0.4	6710737	-1.2	
22	535.8	1434.9	10.6	1.9	-0.4	-2.1	-0.1	6775890	-1.1	
22	536.1	1435.2	13	0.2	-0.8	-0.4	0.5	6820033	-1	
22	536.4	1435.5	12.7	0.7	-0.8	-0.1	1	6797890	-0.9	
22	536.7	1435.8	12.3	-0.5	-0.8	-1.2	1.4	6689297	-0.9	
22	537	1435.7	13.2	1.6	-1.1	2.7	1.6	6502329	-0.8	
22	537.3	1436	10.7	-0.3	-0.7	-3.1	1.7	6268713	-0.9	
22	537.6	1435.9	14	0.8	-1	2	2	5982143	-0.8	
22	537.9	1436.1	8.2	0.2	-0.3	-5.2	1.9	5736302	-1	
22	538.2	1436.3	12.9	0	0	1.7	1.8	5524407	-1.1	
22	538.5	1436.5	11.1	1.5	1	-2.8	1.4	5354860	-1.3	
22	538.8	1436.3	12.5	-0.7	1.2	0.1	1	5208334	-1.5	
22	539.1	1436.3	11.4	4.4	1.8	-2.5	0.4	5106708	-1.7	
22	539.4	1436.1	9.6	-3.1	2.4	-4.5	-0.3	5106708	-2	
22	539.7	1435.8	13	3.6	2.3	-0.5	-0.7	5182550	-2.2	
22	540	1435.4	12.1	0.9	2.2	-3.6	-1	5314087	-2.1	
22	540.3	1434.7	11.3	-1.4	1.5	0.4	-1.2	5495407	-1.8	
22	540.6	1434.1	9.7	-1.5	1	-5.2	-1.3	5736302	-1.7	
22	540.9	1433.1	12.2	-1.2	-0.5	1.2	-1.1	5999284	-1.1	
22	541.2	1432.7	9.1	2.5	-1.1	-5	-0.8	6325529	-0.7	
22	541.5	1432.4	12.1	-1.2	-2	0.3	-0.3	6625791	-0.4	
22	541.8	1432.3	11	-1	-2.6	-1.2	0.3	6842320	-0.4	
22	542.1	1432.4	12	-1.2	-2.9	-0.9	0.9	7002509	-1	
22	542.4	1432.4	13.2	1.3	-3.5	-0.1	1.6	7121599	-1.2	
22	542.7	1432.6	10.1	0.4	-3.2	-3.5	1.9	7219828	-1.6	
22	543	1432.5	13.6	0.3	-3.6	2.1	2.2	7269965	-1.6	
22	543.3	1432.9	8.7	-2	-2.8	-6.1	2.1	7295296	-2	
22	543.6	1432.8	14.3	0.2	-3	2.1	2.3	7269965	-2.3	
22	543.9	1433	11.3	2.9	-2.5	-4.1	2.1	7195017	-2.5	
22	544.2	1433.1	14.1	1.2	-2.4	2.3	1.9	6979167	-2.6	
22	544.5	1433.1	10.9	-1.1	-2.1	-3.9	1.4	6710737	-2.6	
22	544.8	1433.2	12.2	-1.5	-1.6	-2.7	0.9	6422546	-2.6	
22	545.1	1433.2	12.6	0.5	-1.2	-0.8	0.5	6068841	-2.3	
22	545.4	1433.8	10.2	0.5	-0.3	-3.2	0.2	5674120	-2.2	
22	545.7	1434	13.4	0.3	0.2	2.2	-0.1	5314087	-2.1	
22	546	1434.3	10.7	0.3	0.9	-4.3	-0.4	4997017	-2.1	
22	546.3	1434.4	13.8	0	0.8	0.9	-0.3	4758523	-1.8	
22	546.6	1434.8	7.4	-4	1.4	-7.7	-0.4	4611784	-1.7	
22	546.9	1435.1	12.5	-1.2	1.2	1.4	-0.1	4561547	-1.7	
22	547.2	1435.3	11.5	1.6	1.1	-2.2	0.2	4581510	-1.7	
22	547.5	1435.2	12.2	-0.6	0.2	-1	0.6	4684005	-1.5	
22	547.8	1435.3	8.9	-1.5	-0.4	-3.7	0.8	4880536	-1.2	
22	548.1	1435	9.6	-3.8	-1.1	-4.5	0.9	5169753	-1.1	
22	548.4	1434.9	11.5	0.9	-1.6	-0.7	1.1	5553714	-0.9	
22	548.7	1434.8	10.9	-2.1	-1.7	-3.8	1	6016523	-0.9	
22	549	1434.6	12.8	0.1	-2.1	3.5	1	6442308	-0.7	
22	549.3	1434.9	7.9	-4.4	-1.4	-5.5	0.6	6797890	-0.6	
22	549.6	1434.9	11.9	-1.3	-0.9	-0.5	0.2	6955980	-0.5	
22	549.9	1435.6	10.9	0.2	0.3	-2.3	-0.1	6910066	-0.6	
22	550.2	1436.1	12.7	-1.3	1.1	1.8	-0.4	6667994	-0.7	
22	550.5	1436.3	12.7	4.5	1.7	0.7	-0.5	6250000	-0.7	
22	550.8	1436.6	12	-0.9	2.1	0.6	-0.5	5783840	-0.7	
22	551.1	1436.6	13.8	2.7	2.2	1.2	-0.4	5327608	-0.7	
22	551.4	1436.6	9.9	-2.6	2.4	-4.2	-0.4	4949764	-1	
22	551.7	1436.3	13.2	1.8	1.7	1.7	-0.1	4642462	-1.1	
22	552	1435.9	12.3	2.7	1	-0.7	0.1	4417194	-1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	552.3	1435.6	13.1	0.1	-0.1	1.2	0.4	4272960	-1.2	
22	552.6	1435.6	11.6	-0.5	-0.5	-2.9	0.5	4229798	-1.3	
22	552.9	1435.2	13.1	1.8	-1.4	1	0.6	4281698	-1.3	
22	553.2	1435.1	10	0.3	-1.6	-4.2	0.5	4435911	-1.5	
22	553.5	1434.8	12.9	0.7	-1.9	-1.2	0.3	4694507	-1.6	
22	553.8	1434.7	13.3	4.2	-1.9	-0.2	0.3	5069613	-1.7	
22	554.1	1434.5	13	0.9	-2.3	-0.4	0.6	5583334	-1.7	
22	554.4	1434.7	11.7	0.7	-1.9	-2.2	0.8	6212908	-1.7	
22	554.7	1434.9	10.5	-1.5	-1.4	-4.3	1	6979167	-1.7	
22	555	1435.1	13.8	0.6	-1.4	0.7	1.5	7754630	-1.6	
22	555.3	1435.7	9	-1.1	-0.7	-5.7	1.8	8511179	-1.5	
22	555.6	1435.8	13.4	-0.2	-0.8	3.2	2.1	9063853	-1.4	
22	555.9	1436.2	11.3	2.6	-0.5	-3.4	2.4	9305556	-1.4	
22	556.2	1436	13.7	-0.6	-0.8	-0.1	2.6	9305556	-1.1	
22	556.5	1436	10.2	-1.1	-0.4	-4.8	2.4	9143013	-1	
22	556.8	1435.6	12.2	-1.9	-0.6	0.9	1.9	8834388	-1.2	
22	557.1	1435	13.2	2.3	-0.7	0.4	1.4	8511179	-1.2	
22	557.4	1434.4	11.4	-0.8	-0.9	-2.7	0.7	8275692	-1.1	
22	557.7	1434	13.3	0.7	-1.1	1.5	0.2	8115310	-0.6	
22	558	1433.9	7.6	-2.6	-0.9	-6.2	-0.5	8022031	-0.6	
22	558.3	1433.7	13.8	0.4	-1.2	1.8	-1	7991412	-0.6	
22	558.6	1433.7	12.2	1.5	-0.8	-2.1	-1.5	8052885	-0.6	
22	558.9	1433.6	15.1	1.3	-1.3	4.6	-1.3	8146887	-0.1	
22	559.2	1433.9	8.5	1.1	-1.1	-4.4	-1.3	8275692	0	
22	559.5	1433.7	12.6	0.1	-1.6	0.5	-1	8341634	-0.1	
22	559.8	1434	12.2	0.7	-1.6	-0.6	-0.5	8308532	-0.3	
22	560.1	1434.2	13.5	1.3	-1.9	1.3	0.1	8308532	-0.7	
22	560.4	1434.7	13.1	4.2	-2.1	2.4	0.9	8243110	-1.1	
22	560.7	1435.5	11.6	2	-1.5	-2.9	1.4	8210785	-1.7	
22	561	1435.9	13.7	2.2	-1.2	0.1	2	8178711	-2	
22	561.3	1436.4	10.5	-0.4	-0.4	-6.3	2.2	8210785	-2.4	
22	561.6	1436.9	13.5	0.7	0.1	1.8	2.5	8243110	-2.7	
22	561.9	1437.6	10.9	3	1.2	-5	2.6	8341634	-3.1	
22	562.2	1437.8	13.6	1.7	1.5	0.1	2.5	8442541	-3.1	
22	562.5	1438	9.6	-1.3	2.1	-6.6	2.1	8545919	-3	
22	562.8	1437.8	11.7	-1	2.4	-2.9	1.3	8687760	-2.9	
22	563.1	1437.5	11.8	-0.9	2.3	-2.5	0.5	8760460	-2.6	
22	563.4	1436.6	11	-1	2	-3.9	-0.5	8760460	-2.5	
22	563.7	1435.5	13.8	0	1.1	1.5	-1	8651860	-1.9	
22	564	1434.6	9.5	-0.4	0.5	-5.4	-1.7	8545919	-1.6	
22	564.3	1433.9	13.1	-0.1	-0.6	2	-1.9	8545919	-1.1	
22	564.6	1433.6	8.6	-3.7	-0.6	-5.7	-2.3	8651860	-0.9	
22	564.9	1433.4	12.9	-0.2	-1.2	3	-2.1	8871822	-0.7	
22	565.2	1433.5	10.3	-1.3	-1.1	-2.8	-1.9	9347098	-0.5	
22	565.5	1433.8	11.8	-1.3	-1.4	1	-1.3	10213415	-0.5	
22	565.8	1434.3	11	1	-1	-0.9	-0.7	11631945	-0.4	
22	566.1	1434.4	10.4	-2.5	-0.6	-2.5	-0.4	14052014	-0.7	
22	566.4	1434.6	13.1	-0.2	-0.4	1.8	0.1	18206522	-0.9	
22	566.7	1435.1	9.1	-3.9	0.2	-4.3	0.4		-1.2	
22	567	1435.2	13.2	1.5	0	3	0.8		-1.2	
22	567.3	1435.4	8.8	-1.7	0.3	-5.4	0.9		-1.5	
22	567.6	1435.2	13.5	-0.3	0	2	1.1		-1.5	
22	567.9	1435.5	8.8	-0.2	0.2	-4.5	1.1		-1.6	
22	568.2	1435.4	12	-1.4	-0.2	0.3	1		-1.6	
22	568.5	1435.4	10.6	-0.7	0.1	-2.3	0.9		-1.4	
22	568.8	1435.2	11.3	-2.4	-0.1	-1.5	0.7		-1.3	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	569.1	1435.1	11.4	1.2	-0.4	0.5	0.6		-1.1	
22	569.4	1435.2	9.4	-2.8	0	-4.9	0.4		-1	
22	569.7	1435	12.5	-0.7	-0.1	1.2	0.3		-0.7	
22	570	1434.7	9.7	-1.7	0.3	-4.5	-0.1		-0.5	
22	570.3	1434.5	11.7	-1.6	0.3	2.3	-0.2		-0.4	
22	570.6	1434.8	9.2	1.6	0.9	-4	-0.4		-0.5	
22	570.9	1434.5	12.6	-1.2	0.6	2.3	-0.4		-0.6	
22	571.2	1434.6	9.9	-2.3	0.8	-2.7	-0.5		-0.9	
22	571.5	1434.6	10.6	-4.5	0.8	-1.5	-0.5		-1.4	
22	571.8	1434.4	13.5	5	0.3	1.2	-0.4		-1.7	
22	572.1	1434.3	12.3	-0.3	-0.1	-1.6	-0.2	-1.8E+07	-2	
22	572.4	1433.7	14	1.8	-1.1	1.4	0.1	-1.5E+07	-2	
22	572.7	1433.4	9.3	-4.2	-1.5	-4.5	0.1	-1.3E+07	-2.1	
22	573	1433.1	13.4	0.3	-2.3	1.6	0.4	-1.2E+07	-2.1	
22	573.3	1433.2	8.8	-2.8	-2.2	-5.5	0.5	-1.2E+07	-2	
22	573.6	1433.3	12.1	-1.6	-2.1	-0.6	0.6	-1.3E+07	-1.9	
22	573.9	1433.5	10	-0.5	-1.9	-2.9	0.6	-1.5E+07	-1.8	
22	574.2	1433.8	11.7	-1.8	-1.5	-2.2	0.6	-1.7E+07	-1.7	
22	574.5	1434.2	11.3	0.4	-1	-1.5	0.5	-2E+07	-1.5	
22	574.8	1434.7	11.5	-2.1	0	-2.6	0.4		-1.4	
22	575.1	1435	11.7	2.1	0.6	0.1	0.3		-1.1	
22	575.4	1435.2	10.1	-1.6	1.3	-3.7	-0.1		-1	
22	575.7	1435.3	11.9	0.1	1.7	0.7	-0.4		-0.8	
22	576	1435.1	11.7	0.7	1.6	-1.1	-0.7		-0.4	
22	576.3	1435	11.6	-2.2	1.5	0.6	-0.8		0.2	
22	576.6	1435	10.8	1.3	1.4	-0.6	-0.9		0.5	
22	576.9	1435.1	10.4	-2.7	1.5	-0.8	-1		0.6	
22	577.2	1434.9	11.5	2.9	1.2	0.7	-1.1		0.7	
22	577.5	1434.8	11.8	-1.1	1	0.4	-1.1		0.7	
22	577.8	1434.8	12.2	1.9	0.7	1.3	-0.9		0.5	
22	578.1	1434.9	12.1	0.3	0.6	-0.4	-0.7		-0.1	
22	578.4	1435	12.6	1.6	0.5	0.2	-0.4		-0.8	
22	578.7	1435.1	12.3	1.9	0.4	-1.2	-0.2	-1.9E+07	-1.7	
22	579	1435.2	12.2	-0.9	0.4	-1.8	-0.1	-1.6E+07	-2.2	
22	579.3	1435	12.2	3.1	0.2	-1.5	-0.2	-1.4E+07	-2.4	
22	579.6	1434.9	11.5	-1.7	0.3	-3.1	-0.3	-1.3E+07	-2.5	
22	579.9	1434.9	12.5	3.7	0.4	-2.1	-0.4	-1.2E+07	-2.7	
22	580.2	1434.9	12.6	-0.9	0.3	-2.4	-0.5	-1.1E+07	-2.8	
22	580.5	1434.7	12.9	4.1	0.2	-2.1	-0.7	-1.1E+07	-2.6	
22	580.8	1434.7	11.5	-0.5	0.3	-3.6	-0.8	-1.2E+07	-2.3	
22	581.1	1434.7	12.1	1.5	0.5	-1.9	-0.9	-1.2E+07	-2.1	
22	581.4	1434.8	12.7	1.4	0.5	-1.1	-0.8	-1.4E+07	-1.7	
22	581.7	1434.9	12.2	0.8	0.5	-1.6	-0.5	-1.5E+07	-1.4	
22	582	1434.9	12.7	3.3	0.4	-0.5	-0.3	-1.7E+07	-1.1	
22	582.3	1435.1	12	-0.5	0.4	-1.8	-0.1	-1.9E+07	-1	
22	582.6	1435.3	12.2	2.5	0.4	-1.1	0.1	-1.9E+07	-0.9	
22	582.9	1435.4	12.7	1	0.4	-1.2	0.3	-1.9E+07	-0.9	
22	583.2	1435.3	13	3.8	0.1	-0.1	0.6	-1.8E+07	-0.9	
22	583.5	1435.1	11.5	-1.1	0	-1.5	0.6	-1.6E+07	-0.9	
22	583.8	1435	12.1	2.2	0	-1.5	0.5	-1.4E+07	-1.1	
22	584.1	1434.9	12.7	2.1	0.2	-0.6	0.2	-1.2E+07	-1.2	
22	584.4	1434.6	12.8	-0.7	0.1	-1.2	-0.1	-9970238	-1.5	
22	584.7	1434.6	13.1	0.8	0.2	-0.8	-0.1	-8651860	-1.7	
22	585	1434.6	12.1	-1.9	0.1	-1.2	-0.2	-7641424	-1.8	
22	585.3	1434.6	13.2	3.9	0.1	-0.7	-0.2	-6887336	-1.9	
22	585.6	1434.5	13	-0.4	0	-1.4	-0.2	-6363982	-2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	585.9	1434.4	12.1	3.3	0	-1.4	-0.2	-5999284	-2	
22	586.2	1434.3	12.3	0.2	0	-1.6	-0.1	-5783840	-2	
22	586.5	1434.2	12	2	-0.2	-1.7	0	-5658784	-2	
22	586.8	1434.3	12.3	0.6	0	-1.9	0.2	-5643531	-2	
22	587.1	1433.9	12.4	1.1	-0.4	-1.5	0.2	-5736302	-1.8	
22	587.4	1434	10.9	-0.6	-0.2	-2.6	0.2	-5931303	-1.6	
22	587.7	1434	11.3	-0.4	0	-2.5	-0.1	-6231399	-1.5	
22	588	1434.1	11.9	1.8	0.3	-1.4	-0.4	-6584120	-1.4	
22	588.3	1434	11.5	-0.4	0.4	-1.5	-0.7	-7002509	-1.2	
22	588.6	1433.9	11.7	0	0.5	-1	-0.9	-7398410	-1	
22	588.9	1433.8	10.6	-1	0.8	-2	-1.2	-7697610	-0.8	
22	589.2	1433.7	11.7	0.9	0.6	-0.6	-1.3	-7841760	-0.7	
22	589.5	1433.5	11.2	0.8	0.7	-1.1	-1.3	-7871241	-0.7	
22	589.8	1433.5	11.7	0.2	0.5	0.1	-1.1	-7754630	-0.7	
22	590.1	1433.6	11.5	-0.3	0.1	-0.3	-0.7	-7504480	-0.6	
22	590.4	1433.8	10.9	-1.3	-0.3	-1	-0.3	-7195017	-0.6	
22	590.7	1434.1	11.5	-0.6	-0.7	-0.8	0.2	-6887336	-0.7	
22	591	1434.2	11.2	-1.4	-1.1	-1.1	0.6	-6584120	-0.7	
22	591.3	1434.2	11.6	-0.7	-1.5	-0.1	0.9	-6344697	-0.7	
22	591.6	1434.4	10.8	-1.4	-1.4	-1.9	1.1	-6140030	-0.8	
22	591.9	1434.3	10.8	-1.4	-1.4	-1.5	1.1	-5948154	-1	
22	592.2	1434.2	11	-0.5	-1.1	-1.9	0.9	-5783840	-1.4	
22	592.5	1434.4	11.1	-1.4	-0.4	-1.8	0.5	-5628360	-1.8	
22	592.8	1434.7	10.8	-1.8	0.4	-2.4	0	-5495407	-2.3	
22	593.1	1435.2	11.7	-1.2	1.2	-2.1	-0.5	-5354860	-2.9	
22	593.4	1435.5	11.5	0	1.9	-3.1	-1	-5221322	-3.3	
22	593.7	1435.8	11.4	-0.7	2.5	-4	-1.5	-5106708	-3.5	
22	594	1435.7	12.1	-0.6	2.7	-3	-2	-5020984	-3.6	
22	594.3	1435.6	11.4	-0.8	2.8	-3.7	-2.4	-4985119	-3.6	
22	594.6	1435.2	11.4	-1.3	2.5	-2.9	-2.7	-4985119	-3.2	
22	594.9	1434.9	10.8	-1.2	2	-3.4	-2.8	-4985119	-2.6	
22	595.2	1434.8	10.9	-1.3	1.5	-2.2	-2.7	-4997017	-1.7	
22	595.5	1434.8	10.2	-2.5	1.1	-3	-2.6	-5008972	-1	
22	595.8	1435	11.5	-1.5	0.9	-0.9	-2.4	-5020984	-0.6	
22	596.1	1435.3	12.2	0.7	0.7	0.2	-2	-5020984	-0.4	
22	596.4	1435.7	12.2	0.1	1	-0.4	-1.6	-4985119	-0.4	
22	596.7	1436.1	12.2	-0.5	1.2	0	-1	-4938090	-0.4	
22	597	1436.6	11.2	-1.6	1.6	-1.3	-0.4	-4869186	-0.7	
22	597.3	1437	12.2	-0.9	1.9	-0.1	0.1	-4802179	-0.9	
22	597.6	1437.4	12	-0.1	2.1	-1.2	0.6	-4736991	-1.2	
22	597.9	1437.4	12.7	-0.5	1.8	-0.1	0.9	-4715653	-1.4	
22	598.2	1437.6	12.1	-0.9	1.6	-1.7	1.2	-4736991	-1.7	
22	598.5	1437.4	11.9	-0.2	1.3	-2.1	1.2	-4802179	-1.9	
22	598.8	1436.8	12.3	0	0.6	-2	0.9	-4903396	-2	
22	599.1	1436.1	12.3	0.3	0.1	-2.3	0.4	-5069613	-2	
22	599.4	1435.6	12.2	-0.1	-0.2	-1.8	-0.1	-5260679	-1.9	
22	599.7	1435.2	12.1	-0.3	-0.4	-1.8	-0.7	-5481021	-1.8	
22	600	1434.6	13.1	2.2	-0.5	-0.8	-1.3	-5689538	-1.8	
22	600.3	1434.5	12.7	1.4	-0.1	-1.8	-1.7	-5864846	-1.7	
22	600.6	1434.5	12.7	0.8	0.2	-0.8	-2	-5965100	-1.7	
22	600.9	1434.5	12	0.5	0.6	-1.2	-2.2	-5982143	-1.5	
22	601.2	1434.8	12.4	0.7	1.3	-0.8	-2.1	-5897888	-1.4	
22	601.5	1435.1	13	2.4	1.9	-0.5	-1.9	-5689538	-1.4	
22	601.8	1435.3	12.9	1.2	2.2	0	-1.6	-5396263	-1.3	
22	602.1	1435.5	12	0.8	2.4	-0.7	-1.3	-5069613	-1.2	
22	602.4	1435.4	12.2	0.5	2.3	-0.7	-1.1	-4758523	-1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	602.7	1435.3	12.8	1.3	1.8	-0.1	-0.8	-4502689	-1.2	
22	603	1435	11.5	0.6	1.3	-1.3	-0.7	-4308128	-1.2	
22	603.3	1434.8	11.6	0.1	0.5	-0.8	-0.4	-4170817	-1.1	
22	603.6	1434.4	11.4	0.2	-0.3	-1	-0.3	-4097359	-1.1	
22	603.9	1434	11.9	0.3	-1.1	-0.6	-0.2	-4105393	-1.1	
22	604.2	1433.8	11	0.2	-1.4	-1.9	-0.1	-4204318	-1	
22	604.5	1433.7	10.9	0.1	-1.6	-1	-0.1	-4407895	-0.9	
22	604.8	1433.8	10.3	-0.7	-1.2	-1.7	-0.1	-4736991	-0.6	
22	605.1	1434	10.8	-0.3	-0.7	-1.3	-0.1	-5169753	-0.5	
22	605.4	1434.4	10.6	-0.2	-0.2	-0.8	-0.1	-5705041	-0.4	
22	605.7	1434.9	10.7	-1	0.3	-1	-0.1	-6306476	-0.4	
22	606	1435.2	10.3	-1.2	0.9	-1.4	-0.2	-6932947	-0.3	
22	606.3	1435.4	9.8	-1.6	1.4	-2.6	-0.4	-7477679	-0.3	
22	606.6	1435.4	10.9	-1.2	1.4	-0.9	-0.4	-7841760	-0.3	
22	606.9	1435.2	10	-1.4	1.3	-2.2	-0.4	-7930871	-0.4	
22	607.2	1434.8	10.7	-0.7	0.7	-0.8	-0.4	-7754630	-0.5	
22	607.5	1434.4	10.5	-0.3	0.1	-2.1	-0.4	-7451068	-0.6	
22	607.8	1434.3	10.6	-0.3	-0.5	-1.6	-0.3	-7049664	-0.8	
22	608.1	1434.5	11.1	0.9	-0.8	-2.1	-0.2	-6689297	-1	
22	608.4	1434.6	11.5	0	-1.2	-1.8	-0.1	-6363982	-1.2	
22	608.7	1434.8	12.3	0.1	-1.3	-1	0	-6122076	-1.3	
22	609	1434.9	12	-0.2	-1.3	-2	0.2	-5999284	-1.5	
22	609.3	1434.9	12.7	0.5	-1.2	-0.5	0.2	-5965100	-1.6	
22	609.6	1435.2	11.8	0.6	-0.7	-2.6	0.3	-6016523	-1.8	
22	609.9	1435.4	13.2	1	-0.3	-0.8	0.3	-6122076	-1.9	
22	610.2	1435.9	12.3	0.3	0.2	-2.2	0.4	-6287538	-2.1	
22	610.5	1436.2	13.7	1	0.5	-0.9	0.3	-6462192	-2.4	
22	610.8	1436.7	14	1.9	1	-1.1	0.3	-6625791	-2.7	
22	611.1	1436.8	14.1	2.2	1.3	-1.8	0.1	-6775890	-2.8	
22	611.4	1436.6	14.1	1.8	1.7	-2	-0.4	-6910066	-3	
22	611.7	1436.5	13.3	1	2.1	-2.8	-0.9	-7026007	-3	
22	612	1436.3	14.4	2.2	2.1	-1.5	-1.4	-7097458	-3	
22	612.3	1436.4	13.7	1.6	2.3	-2.4	-1.8	-7145905	-2.8	
22	612.6	1436.2	14.2	1.1	2.2	-0.8	-2	-7195017	-2.2	
22	612.9	1436.2	13.4	0.7	2.1	-1.7	-2.1	-7219828	-1.5	
22	613.2	1436.2	13.2	0.5	2.1	-1.6	-2.1	-7244810	-1	
22	613.5	1436	14	2	1.9	-0.6	-1.9	-7219828	-0.3	
22	613.8	1435.7	14.3	1.9	1.4	0.2	-1.4	-7121599	0.2	
22	614.1	1435.8	13.4	0.4	1.3	-0.2	-0.8	-6932947	0.3	
22	614.4	1436	14.1	1.2	1.1	-0.4	-0.1	-6625791	-0.1	
22	614.7	1436.3	13.4	1.4	0.8	-1.2	0.6	-6268713	-0.5	
22	615	1436.1	13.3	1.1	0.3	-1.4	0.9	-5914548	-0.8	
22	615.3	1436.1	13.5	0.7	0	-1.4	1.1	-5583334	-1.1	
22	615.6	1435.7	13.6	2.1	-0.6	-1.6	0.9	-5287248	-1.6	
22	615.9	1435.3	14.5	2.9	-0.7	-1.5	0.6	-5045181	-2.1	
22	616.2	1434.7	14.5	3.1	-0.9	-1.9	0.2	-4880536	-2.4	
22	616.5	1434.1	14.5	2.6	-1.3	-1.6	-0.3	-4813219	-2.5	
22	616.8	1433.8	14.4	3.4	-1.3	-2.1	-0.7	-4791190	-2.6	
22	617.1	1433.5	14.5	3.6	-1.4	-1.4	-1	-4824309	-2.5	
22	617.4	1433.7	13.6	3.3	-0.9	-2	-1	-4891940	-2.3	
22	617.7	1433.9	14.2	3.4	-0.4	-1.2	-1	-4961493	-2.2	
22	618	1434.5	14	3.4	0.4	-1.5	-0.7	-5020984	-2	
22	618.3	1434.8	13.9	3.2	0.8	-1.6	-0.4	-5033053	-1.9	
22	618.6	1435.1	13.8	3.5	1	-1.7	-0.1	-5020984	-1.8	
22	618.9	1435.5	13.7	3.9	1.2	-1.9	0.2	-4938090	-1.7	
22	619.2	1435.6	13.7	2.8	1.2	-1.9	0.2	-4802179	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	619.5	1435.6	13.4	3.4	1.2	-2.2	0.2	-4621965	-1.7	
22	619.8	1435.1	13.3	2.6	0.8	-1.7	-0.1	-4426533	-1.6	
22	620.1	1434.5	13	2.5	0.3	-2.3	-0.4	-4229798	-1.6	
22	620.4	1433.9	13.4	2.8	-0.4	-1.8	-0.8	-4026443	-1.6	
22	620.7	1433.6	12.8	1.7	-0.6	-2.3	-1.2	-3834707	-1.5	
22	621	1433.7	12.8	1.3	-0.3	-2.2	-1.5	-3647649	-1.5	
22	621.3	1434.1	13.3	1	0.1	-1.7	-1.5	-3495409	-1.5	
22	621.6	1434.5	13.4	1.4	0.6	-1.5	-1.4	-3377017	-1.4	
22	621.9	1434.9	13.4	0.7	1.2	-1.5	-1.3	-3302445	-1.4	
22	622.2	1435.2	13.1	1.3	1.9	-2	-1.1	-3261293	-1.3	
22	622.5	1435.4	13.3	0.1	2.5	-1.4	-0.9	-3266381	-1.3	
22	622.8	1435.7	13.3	1	3.1	-1.7	-0.7	-3286892	-1.3	
22	623.1	1435.9	13.3	-0.4	3.4	-1.2	-0.6	-3328697	-1.3	
22	623.4	1435.9	13.3	-0.7	3.2	-1.5	-0.5	-3382472	-1.3	
22	623.7	1435.5	13.3	-0.8	2.7	-1.3	-0.7	-3426760	-1.3	
22	624	1435.1	13.4	-0.7	2.2	-1.7	-1	-3443668	-1.4	
22	624.3	1434.4	13.6	0.3	1.5	-0.6	-1.5	-3415580	-1.5	
22	624.6	1433.7	14.4	0	0.8	-0.8	-1.9	-3350000	-1.5	
22	624.9	1433.1	13.9	0.2	0.3	-1.4	-2.1	-3251165	-1.5	
22	625.2	1432.7	14	-0.2	-0.1	-0.7	-2.2	-3153238	-1.5	
22	625.5	1432.6	13.6	0.2	-0.2	-2	-2.2	-3052114	-1.5	
22	625.8	1432.6	14.1	0.9	-0.3	-0.2	-2	-2969859	-1.5	
22	626.1	1432.9	13.3	-0.7	-0.2	-2.5	-1.6	-2907987	-1.3	
22	626.4	1433.2	13.9	-0.4	-0.2	0.1	-1	-2872086	-0.8	
22	626.7	1433.9	12	-1.4	0.5	-3.3	-0.6	-2856413	-0.7	
22	627	1434.3	14.4	0.3	0.8	-0.2	-0.1	-2856413	-0.7	
22	627.3	1434.3	14.3	0.9	1	-0.8	0.2	-2864228	-0.6	
22	627.6	1434.3	13.1	-0.2	1.1	-0.6	0.2	-2864228	-0.5	
22	627.9	1434.1	14.9	1.4	1	0.5	0.2	-2860315	-0.6	
22	628.2	1434	12.3	-1.3	1.3	-2.4	-0.1	-2833221	-1	
22	628.5	1433.9	15.6	1.1	1.1	1.1	-0.2	-2795394	-1.3	
22	628.8	1433.8	12.6	-1.9	1.4	-3.1	-0.7	-2744103	-2.1	
22	629.1	1433.7	15.7	1.2	1	1.8	-1	-2680858	-2.7	
22	629.4	1433.6	13.4	-1	1.2	-3.2	-1.5	-2620464	-2.8	
22	629.7	1433.2	15.2	0.7	0.7	-0.2	-1.7	-2562730	-2.6	
22	630	1433.3	12.4	-1.2	0.9	-3.4	-1.9	-2516527	-2.2	
22	630.3	1433.1	14	-0.2	0.7	-0.6	-2.1	-2477811	-2	
22	630.6	1433	13.2	-0.8	0.5	-0.7	-2.3	-2454573	-1.5	
22	630.9	1433.1	13	-0.9	0.7	-3	-2.5	-2440269	-1.3	
22	631.2	1433.1	13.3	-0.5	0.6	-0.4	-2.4	-2437428	-0.6	
22	631.5	1433.4	10.5	-3.2	1.2	-4.8	-2.5	-2431766	-0.2	
22	631.8	1433.6	13.2	-0.5	1.5	0.9	-2.3	-2426130	-0.1	
22	632.1	1434	11.4	-2	2.2	-3.3	-2.2	-2417726	-0.2	
22	632.4	1434.2	14.1	0.8	1.9	1.7	-1.7	-2401090	-0.4	
22	632.7	1434.9	10.3	-2.7	2.8	-4.1	-1.6	-2384682	-0.9	
22	633	1435.6	12.5	-0.9	3.1	-0.7	-1.3	-2368496	-1.5	
22	633.3	1435.9	13.9	1.1	3.1	-0.8	-1.1	-2357827	-1.7	
22	633.6	1436	13.6	0.8	3.1	-1.4	-1.1	-2342003	-1.8	
22	633.9	1435.6	14.5	1.2	2.3	1	-1.1	-2339386	-1.8	
22	634.2	1435.3	11	-2.4	2	-4.4	-1.3	-2352529	-2	
22	634.5	1434.9	13.9	0.5	1.3	-0.1	-1.3	-2387401	-1.9	
22	634.8	1434.6	11.6	-1.5	1	-4.4	-1.3	-2437428	-1.7	
22	635.1	1434.3	13.1	-0.2	0.2	0.4	-1.1	-2489596	-1.1	
22	635.4	1434.5	10.1	-3.2	0	-3.6	-1.1	-2544047	-0.9	
22	635.7	1434.8	13.1	-0.2	0	-1.4	-1	-2584877	-0.9	
22	636	1435	13.1	-0.2	0	-1.8	-0.9	-2617188	-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	636.3	1435.5	12.9	-0.4	0.4	-1.9	-0.7	-2620464	-0.9	
22	636.6	1435.6	13.6	0.2	0.6	0.3	-0.7	-2597705	-1	
22	636.9	1435.8	12.9	-0.7	1.2	-2.1	-0.7	-2553354	-1.1	
22	637.2	1435.6	14.4	0	1.3	0.6	-0.8	-2498509	-1.1	
22	637.5	1435.5	12.9	-1	1.8	-2	-1	-2428945	-1.1	
22	637.8	1435.6	13.1	-0.9	1.9	1	-1.1	-2368496	-1.1	
22	638.1	1435.7	13.3	-0.3	2.2	-2.3	-1.4	-2310983	-1.3	
22	638.4	1435.8	14.5	0.4	2	0.8	-1.4	-2280774	-1.5	
22	638.7	1435.9	13.3	0	1.9	-1.9	-1.5	-2253768	-1.5	
22	639	1436	13.7	-0.2	1.8	-1.1	-1.6	-2239306	-1.7	
22	639.3	1435.7	14	2	1.4	-1.3	-1.6	-2236913	-1.8	
22	639.6	1435.5	13.9	-0.5	1.2	-1.8	-1.6	-2248927	-1.9	
22	639.9	1435.2	14.6	0.3	0.8	0.1	-1.6	-2280774	-2	
22	640.2	1435.1	11.9	-1.2	0.9	-4.7	-1.7	-2326390	-2.1	
22	640.5	1434.9	15.6	0.7	0.6	1	-1.6	-2392858	-2.2	
22	640.8	1435.3	11.4	-0.9	1.3	-5.7	-1.7	-2477811	-2.2	
22	641.1	1435.5	14.5	-1.1	1.5	1	-1.6	-2581690	-2.2	
22	641.4	1435.9	12.5	-0.1	2.2	-3.8	-1.7	-2694660	-2.2	
22	641.7	1436	14.1	-1.6	2.4	-1.4	-1.6	-2817968	-2.1	
22	642	1436.3	13.3	-0.1	2.8	-2.5	-1.6	-2940661	-2	
22	642.3	1436.4	12.2	-3	3.2	-3.8	-1.7	-3047672	-2.2	
22	642.6	1436.1	15.9	3.5	3	1.4	-1.5	-3115700	-2	
22	642.9	1436.1	11.5	-2.5	3	-5	-1.3	-3143769	-2	
22	643.2	1435.5	15.4	2.2	2.2	2.3	-1	-3129672	-1.9	
22	643.5	1435.3	9.3	-3.7	2.1	-6.8	-1.1	-3079045	-2	
22	643.8	1434.9	14.5	1.2	1.2	1.7	-0.8	-3021285	-2.1	
22	644.1	1434.7	12.8	2.3	0.6	-3.1	-0.5	-2969859	-2	
22	644.4	1434.7	13.8	0.6	0.1	-0.7	-0.2	-2924232	-1.8	
22	644.7	1434.6	13	1.6	0	-1.8	-0.1	-2895920	-1.7	
22	645	1434.2	13.2	-0.9	-0.1	-0.9	-0.3	-2876031	-1.7	
22	645.3	1433.8	13.4	3.1	-0.4	-0.3	-0.4	-2879987	-1.2	
22	645.6	1433.4	11	-1.5	-0.1	-0.6	-0.9	-2903953	-1	
22	645.9	1433.2	13.7	-0.2	-0.4	1.9	-1	-2944797	-0.4	
22	646.2	1433.2	8.9	-4.7	0.1	-3.3	-1.5	-2999642	-0.3	
22	646.5	1433.1	13.8	-0.7	0.2	0.5	-1.7	-3056570	-0.3	
22	646.8	1433.2	12.1	1.1	0.4	-1.8	-2	-3125001	-0.3	
22	647.1	1433	14	0.1	0.1	2.9	-1.9	-3201453	-0.3	
22	647.4	1433	9	-2.6	0.5	-5.1	-2.2	-3281740	-0.5	
22	647.7	1433	13.5	0.4	0.3	1.8	-2	-3366158	-0.5	
22	648	1433.4	5.9	-4.2	0.9	-7.4	-2	-3455033	-0.7	
22	648.3	1433.9	13.6	0.5	0.6	0	-1.3	-3548729	-0.9	
22	648.6	1434.3	9.3	-3.8	0.8	-2.4	-1.3	-3641305	-1.1	
22	648.9	1434.6	13.1	0.2	1	-1.9	-1.3	-3712323	-1.3	
22	649.2	1434.8	13.4	-0.2	0.9	0.4	-1.1	-3793026	-1.4	
22	649.5	1435	8.6	-4.3	1.2	-7	-1	-3877315	-1.4	
22	649.8	1435.2	14.1	-0.3	0.9	2.3	-0.4	-3943032	-1.4	
22	650.1	1435.6	9	-3.9	1.3	-6.4	-0.1	-4011016	-1.8	
22	650.4	1435.7	14.2	1.1	1	3.4	0.4	-4089356	-2.2	
22	650.7	1436	11.7	-1.6	1.1	-4.4	0.7	-4162525	-2.5	
22	651	1436.4	12.3	-2.2	1.2	-0.7	0.9	-4246958	-2.8	
22	651.3	1436.6	13.6	0.3	1.2	-2.2	1	-4317011	-2.7	
22	651.6	1436.8	11.1	-2.6	1.3	-5.2	0.9	-4407895	-2.9	
22	651.9	1436.7	14.4	0.4	1.1	1.7	0.8	-4464286	-2.9	
22	652.2	1436.4	11.8	-2.1	1.2	-5.4	0.3	-4522139	-2.8	
22	652.5	1435.8	13.7	-0.9	0.9	1.4	-0.2	-4581510	-2.4	
22	652.8	1435.2	11.3	-0.6	1.1	-4.6	-1	-4621965	-2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	653.1	1434.5	13.6	-2	0.8	-0.2	-1.6	-4652778	-1.6	
22	653.4	1434.2	11.1	-0.3	0.9	-1.2	-2.2	-4663141	-1.2	
22	653.7	1434.1	13	-1.5	0.7	-1.4	-2.4	-4736991	-1.1	
22	654	1434.3	13.5	1	0.7	0.9	-2.3	-4802179	-0.8	
22	654.3	1434.6	11.1	-3	0.9	-3.2	-2.4	-4846644	-0.7	
22	654.6	1434.5	14.6	1.3	0.5	1.7	-2	-4880536	-0.7	
22	654.9	1434.6	10.8	-1.4	0.7	-2.5	-1.8	-4914906	-0.7	
22	655.2	1434.5	13.6	-2.3	0	1.4	-1	-4973278	-0.7	
22	655.5	1434.6	12.7	1.2	0	-1.4	-0.5	-5045181	-0.7	
22	655.8	1434.7	9.9	-5.5	-0.2	-1.8	0	-5182550	-0.9	
22	656.1	1434.9	13	3.7	-0.2	-1.2	0.4	-5341199	-1	
22	656.4	1435.1	12.5	-2	-0.3	-0.1	0.6	-5553714	-1.1	
22	656.7	1435.5	12.9	0.1	-0.2	0.3	0.8	-5799862	-1.1	
22	657	1435.6	12.6	-1.2	-0.2	-2.6	0.9	-6068841	-1.2	
22	657.3	1435.6	11.5	-1.5	-0.1	-1.2	0.8	-6306476	-1.2	
22	657.6	1435.8	11.6	-1.6	0.4	-3.3	0.6	-6604890	-1.3	
22	657.9	1435.7	13.2	-0.2	0.3	-1.1	0.5	-6887336	-1.3	
22	658.2	1435.5	10.4	-0.6	0.5	-2.7	0.2	-7195017	-1.4	
22	658.5	1435.3	13.4	-0.3	0.3	-1.3	0.1	-7346491	-1.4	
22	658.8	1435.2	9.4	0.5	0.5	-4.5	-0.4	-7531475	-1.5	
22	659.1	1435.2	11.9	-1.9	0.2	-3.3	-0.4	-7783457	-1.6	
22	659.4	1435.2	13.4	1.3	0.1	-0.4	-0.4	-8083977	-1.6	
22	659.7	1435.2	12.3	-1.7	0.3	-2	-0.7	-8442541	-1.6	
22	660	1435.2	13.6	4.6	0.2	-0.2	-0.7	-8651860	-1.6	
22	660.3	1435.1	13.4	-0.1	0.2	-1.6	-0.7	-8797269	-1.6	
22	660.6	1435	13.6	7.7	0.2	0	-0.7	-8760460	-1.6	
22	660.9	1434.9	13.6	0	0.2	-1.2	-0.7	-8545919	-1.6	
22	661.2	1435.1	12.4	3.1	0.5	-0.7	-0.8	-8146887	-1.6	
22	661.5	1435.2	14.3	1.2	0.4	0.6	-0.7	-7613637	-1.6	
22	661.8	1435.4	11.9	-1.5	0.8	-3.4	-1	-7073480	-1.6	
22	662.1	1435.5	13.9	5.3	0.8	-0.9	-1	-6584120	-1.6	
22	662.4	1435.6	12.9	-1.2	0.9	-2.4	-1.1	-6212908	-1.6	
22	662.7	1435.5	13.6	4.6	0.8	-1.6	-1.1	-5965100	-1.6	
22	663	1435.5	13.6	-0.6	0.7	-1.1	-1	-5897888	-1.6	
22	663.3	1435.5	13	1.3	0.5	-2.1	-0.9	-5999284	-1.7	
22	663.6	1435.7	13.6	1.3	-0.1	-0.6	-0.4	-6325529	-1.6	
22	663.9	1435.9	12.3	-1.3	-0.2	-2.9	-0.2	-6842320	-1.7	
22	664.2	1436.1	14	2.9	-0.1	-0.4	-0.1	-7558664	-2	
22	664.5	1436.3	14.1	-0.3	0	-0.8	0.1	-8580943	-2.3	
22	664.8	1436.4	13.9	2.1	0.1	-1.6	0.2	-9693287	-2.6	
22	665.1	1436.5	13.9	0.2	0.3	-1.3	0.2	-1.1E+07	-2.7	
22	665.4	1436.7	12.7	1.4	0.5	-3.4	0.2	-1.2E+07	-2.7	
22	665.7	1437	13.2	-0.4	0.9	-2.2	0.2	-1.2E+07	-2.7	
22	666	1437.3	12.9	1.8	1.3	-2.9	0.2	-1.1E+07	-2.6	
22	666.3	1437.4	12.7	-0.3	1.6	-2.8	0	-1E+07	-2.5	
22	666.6	1437.1	13	-0.5	1.5	-2.7	-0.1	-9431306	-1.7	
22	666.9	1436.9	11.3	0.2	1.6	-4	-0.4	-8408635	-1.4	
22	667.2	1436.6	12.9	-1.7	1.3	-1.2	-0.6	-7558664	-0.9	
22	667.5	1436.6	11.5	0.7	1.3	-2.9	-0.7	-6932947	-0.5	
22	667.8	1436.4	13.3	-0.3	0.8	0.3	-0.7	-6522586	-0.2	
22	668.1	1436.3	12.3	-0.4	0.6	-1.4	-0.7	-6231399	-0.3	
22	668.4	1436	12.8	2.9	0.1	0	-0.7	-6104228	-0.8	
22	668.7	1435.7	13.8	0.8	-0.2	-0.1	-0.6	-6068841	-1.5	
22	669	1435.3	14.1	1.6	-0.4	-0.6	-0.4	-6176254	-2.1	
22	669.3	1435.1	13.6	0.7	-0.6	-0.1	-0.1	-6306476	-2.3	
22	669.6	1435.3	12.6	0	-0.2	-2.7	0.1	-6422546	-2.8	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	669.9	1435.5	13.9	2.4	0	-0.7	0.2	-6584120	-3.2	
22	670.2	1435.9	13	1.4	0.6	-3.4	0.3	-6667994	-3.5	
22	670.5	1435.9	13.6	0.4	0.5	-1.7	0.3	-6667994	-3.3	
22	670.8	1435.9	11.2	0.8	0.7	-4	0.1	-6625791	-2.9	
22	671.1	1435.6	12	-1.4	0.7	-3.5	-0.3	-6563480	-2.7	
22	671.4	1435.1	12.2	2.8	0.7	-3	-0.8	-6522586	-2.5	
22	671.7	1434.6	11.5	-0.4	0.5	-3.2	-1.2	-6462192	-2.3	
22	672	1434.2	12.1	-1.3	0	-1.8	-1.4	-6482198	-2	
22	672.3	1434	11.4	-0.9	-0.1	-3.1	-1.6	-6584120	-1.7	
22	672.6	1433.7	12.6	-1	-0.6	-1.1	-1.6	-6797890	-1.6	
22	672.9	1433.8	11.7	-1.7	-0.4	-2.5	-1.4	-7097458	-1.4	
22	673.2	1434.2	11.8	-1.8	-0.3	-0.4	-1	-7477679	-1.3	
22	673.5	1434.7	11.9	-1.7	-0.1	-1.3	-0.4	-7930871	-1.1	
22	673.8	1435	11.3	-1.1	0.1	-1	0.1	-8243110	-1	
22	674.1	1435.5	11.3	-3	0.5	-1.6	0.6	-8511179	-1	
22	674.4	1435.9	11.1	-0.8	1	-1.8	0.9	-8760460	-1.3	
22	674.7	1435.8	11.7	-2.2	1.2	-1.5	0.8	-8871822	-1.4	
22	675	1435.8	11.2	-1.7	1.6	-2.3	0.6	-8834388	-1.6	
22	675.3	1435.4	12	-1.6	1.3	-1.4	0.2	-8687760	-1.7	
22	675.6	1435.1	10.7	-2.9	1.1	-2.5	-0.2	-8442541	-1.7	
22	675.9	1434.7	12.2	-0.8	0.7	-1.1	-0.7	-8083977	-1.7	
22	676.2	1434.5	10.4	-3.2	0.6	-2.7	-1.2	-7726015	-1.9	
22	676.5	1434.2	12.4	0.1	0.1	-0.7	-1.6	-7477679	-1.9	
22	676.8	1433.8	11.1	-2.9	-0.2	-1.8	-1.9	-7320804	-1.9	
22	677.1	1433.7	12.2	-1.9	-0.4	-0.8	-1.9	-7219828	-1.7	
22	677.4	1433.6	11.3	-2.6	-0.6	-1.7	-1.7	-7195017	-1.3	
22	677.7	1433.9	11.8	-2.1	-0.3	-1	-1.3	-7195017	-1.3	
22	678	1434.2	11.2	-1.5	0.2	-1.5	-1	-7269965	-0.9	
22	678.3	1434.7	11.3	-1.9	0.6	-1.4	-0.5	-7346491	-1	
22	678.6	1435.2	11	-1.9	1	-1.5	-0.1	-7477679	-0.5	
22	678.9	1435.8	11	-1.7	1.6	-2.3	0.2	-7531475	-0.7	
22	679.2	1436	10.9	-2.1	1.7	-1	0.3	-7477679	-0.5	
22	679.5	1436.1	10.9	-0.4	1.9	-2.9	0.2	-7320804	-0.9	
22	679.8	1436	12.2	-0.7	1.6	-0.4	0.1	-7049664	-1.1	
22	680.1	1435.7	11	-0.5	1.5	-3.4	-0.3	-6754032	-1.4	
22	680.4	1434.9	13	-0.3	0.7	-0.6	-0.7	-6442308	-1.7	
22	680.7	1434.5	11.3	-1	0	-2.8	-0.9	-6176254	-2.1	
22	681	1434.1	13.7	0.9	-0.7	-1	-1	-5965100	-2.4	
22	681.3	1433.8	12.8	-1	-1.4	-1.5	-1	-5848464	-2.5	
22	681.6	1434.2	11.7	-2.4	-1.1	-2.9	-1	-5864846	-2.7	
22	681.9	1434.3	13.7	0.1	-1.2	-0.5	-0.9	-6016523	-2.7	
22	682.2	1434.9	11.7	-0.9	-0.9	-3.8	-0.5	-6306476	-2.8	
22	682.5	1435.2	14.2	0.3	-0.7	-0.3	-0.1	-6710737	-2.9	
22	682.8	1435.6	12.6	-0.4	0	-3.3	0.2	-7195017	-2.8	
22	683.1	1436.1	12.8	-0.8	0.4	-1.9	0.5	-7669414	-2.8	
22	683.4	1436.4	13.6	2.4	0.9	-2.6	0.7	-8022031	-2.8	
22	683.7	1436.5	12.7	0.7	1.4	-3.1	0.6	-8178711	-2.7	
22	684	1436.6	12.9	0.7	1.3	-1.9	0.6	-8115310	-2.4	
22	684.3	1436.7	12.1	0.6	1.4	-3.5	0.6	-7841760	-2.1	
22	684.6	1436.5	13.3	1.2	1.2	-0.8	0.4	-7477679	-2	
22	684.9	1436.3	12.3	0.9	1.2	-3.6	0.1	-7170377	-1.8	
22	685.2	1436	13.2	0.6	1	-1.3	-0.2	-6932947	-1.6	
22	685.5	1435.8	12.6	0.9	0.9	-2.2	-0.5	-6797890	-1.3	
22	685.8	1435.5	13.1	1.3	0.8	-0.4	-0.9	-6820033	-1.1	
22	686.1	1435.3	13.4	1.5	0.6	-1	-1	-7002509	-1	
22	686.4	1435.2	13.2	1.9	0.4	0.2	-0.9	-7346491	-1.2	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	686.7	1435.1	13.4	2.1	0.2	-0.5	-0.7	-7841760	-1.4	
22	687	1434.9	12.5	1.4	0	-1.8	-0.8	-8442541	-1.9	
22	687.3	1434.9	14	2.3	0	-0.4	-0.7	-9063853	-2.2	
22	687.6	1434.8	13.3	2.1	0.1	-2.3	-0.7	-9473982	-2.4	
22	687.9	1434.8	14.2	2.2	-0.1	-0.2	-0.4	-9560502	-2.5	
22	688.2	1434.9	11.1	0.4	0.2	-5	-0.4	-9389014	-2.9	
22	688.5	1434.8	14.2	2	0.1	-1	-0.2	-8947650	-2.8	
22	688.8	1434.8	10.8	0.4	0.5	-5	-0.4	-8442541	-2.8	
22	689.1	1434.6	12.9	0.5	0.4	-1.3	-0.6	-7900944	-2.6	
22	689.4	1434.8	11.5	0.4	0.9	-3.2	-0.7	-7477679	-2.1	
22	689.7	1434.8	12.2	0	0.9	-1.6	-1	-7244810	-1.9	
22	690	1434.8	13.2	1.9	1	-0.8	-1.1	-7219828	-1.6	
22	690.3	1434.9	11.3	-0.5	1	-3	-1.2	-7451068	-1.8	
22	690.6	1434.7	13.3	2.1	0.8	0.6	-1.1	-7900944	-1.3	
22	690.9	1434.6	11.3	0	0.8	-2.6	-1.1	-8545919	-1	
22	691.2	1434.2	12.8	1.8	0.4	1.7	-1	-9264381	-0.8	
22	691.5	1434.5	9.9	-1.1	0.7	-3.2	-0.7	-1E+07	-0.9	
22	691.8	1434.4	12.8	1.9	0.1	2.1	-0.3	-1.1E+07	-0.8	
22	692.1	1434.9	9.8	-1.1	0.3	-3	0.2	-1.1E+07	-0.8	
22	692.4	1435.1	11.5	-0.7	0.2	-0.2	0.4	-1.1E+07	-0.9	
22	692.7	1435.3	10.8	-0.2	0.3	-1.5	0.5	-1.1E+07	-1	
22	693	1435.2	11.7	-1.3	0.4	-1.6	0.4	-9783879	-1.2	
22	693.3	1434.9	11.7	0.4	0.4	-0.6	0.2	-8909575	-1.2	
22	693.6	1434.8	9.8	-3.9	0.7	-3.8	0.1	-8083977	-1.3	
22	693.9	1434.4	11.5	-1.3	0.3	0.3	-0.1	-7451068	-1.2	
22	694.2	1434.4	8.3	-3.4	0.7	-5.5	-0.3	-6932947	-1.4	
22	694.5	1434.1	11.8	-1.9	0.1	1.6	-0.4	-6522586	-1.3	
22	694.8	1434.2	8.4	-3.3	0.1	-4.8	-0.4	-6231399	-1.4	
22	695.1	1434.1	11.4	-2.8	-0.2	0.1	-0.4	-6051301	-1.6	
22	695.4	1434	11	-1.6	-0.2	-2.6	-0.4	-5999284	-1.6	
22	695.7	1434	10.8	-2	-0.4	-1.9	-0.1	-6016523	-1.8	
22	696	1433.9	11.8	-1.8	-0.6	-0.8	0.1	-6140030	-1.8	
22	696.3	1433.8	10.1	-2.6	-0.6	-3.1	0.2	-6306476	-1.9	
22	696.6	1433.7	12	-0.9	-0.7	1.3	0.2	-6502329	-1.7	
22	696.9	1433.9	8	-4.1	-0.2	-6	0	-6689297	-2	
22	697.2	1433.9	12.1	-1.2	-0.3	2	-0.2	-6932947	-1.6	
22	697.5	1434	8.6	-3.7	0.2	-4.7	-0.7	-7170377	-1.4	
22	697.8	1434	12.3	-0.9	0.3	0.2	-1.1	-7398410	-1.3	
22	698.1	1434.1	10.1	-2.5	0.6	-2.5	-1.4	-7586051	-1.1	
22	698.4	1434	11.9	-1.2	0.7	-0.5	-1.6	-7754630	-0.9	
22	698.7	1434	11.2	-2.2	0.6	0.2	-1.5	-7841760	-0.3	
22	699	1434	9.7	-3.5	0.7	-2.7	-1.5	-7900944	-0.2	
22	699.3	1434.1	12.1	-1.3	0.5	2.9	-1.2	-7961027	-0.1	
22	699.6	1434.6	8.7	-3.8	0.6	-3	-0.7	-7991412	-0.4	
22	699.9	1434.9	12.4	-1.6	0.2	3.3	0	-8052885	-0.4	
22	700.2	1435.5	10.6	-2.7	0.5	-2.2	0.6	-8083977	-0.6	
22	700.5	1435.7	12.2	-2	0.3	1.7	0.9	-8146887	-0.9	
22	700.8	1435.9	11.2	0.1	0.6	-2.4	1.1	-8243110	-1.3	
22	701.1	1436	11.3	-2.9	1	-0.2	0.9	-8375000	-2	
22	701.4	1435.9	12.3	1.5	1.3	-0.8	0.7	-8580943	-2.3	
22	701.7	1435.7	10.2	-2.7	1.4	-3.5	0.4	-8723959	-2.5	
22	702	1435.5	10.5	-1	1.4	-1.4	-0.1	-8797269	-2.5	
22	702.3	1435.3	8.7	-3.5	1.6	-6.3	-0.7	-8797269	-2.8	
22	702.6	1434.9	12.1	-1.1	1.2	-0.8	-1	-8797269	-2.3	
22	702.9	1434.9	9.1	-2.2	1.5	-5.2	-1.4	-8723959	-2.1	
22	703.2	1434.4	12.7	-0.6	1	0.8	-1.6	-8651860	-1.7	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	703.5	1434.2	7.9	-3.4	0.9	-5.5	-1.7	-8651860	-1.5	
22	703.8	1433.9	11.9	-0.9	0.5	-0.8	-1.6	-8616255	-0.9	
22	704.1	1433.7	10.3	0.4	0.3	-1.8	-1.5	-8545919	-0.5	
22	704.4	1433.8	10.1	-2.7	0.3	-2	-1.3	-8476721	-0.5	
22	704.7	1433.9	12	2.2	0.3	0.9	-1.1	-8408635	-0.5	
22	705	1433.9	10.6	-0.9	0.4	-2.8	-0.9	-8210785	-0.5	
22	705.3	1433.9	12.1	1.3	-0.1	0.8	-0.5	-7991412	-0.1	
22	705.6	1434.1	9.2	-2.5	0.4	-4.9	-0.4	-7726015	-0.2	
22	705.9	1433.9	12.4	0.7	0.1	2	-0.2	-7424646	-0.2	
22	706.2	1434.1	11.2	1.4	0.6	-2.6	-0.1	-7073480	-0.7	
22	706.5	1434	12.9	1.4	0.4	1.6	0.1	-6754032	-0.9	
22	706.8	1434	12.8	4.5	0.5	-0.4	0.2	-6462192	-1	
22	707.1	1434	12.5	0.7	0.4	-0.6	0.3	-6306476	-1.1	
22	707.4	1434	13.6	5.2	0.6	0.7	0.3	-6194527	-1.4	
22	707.7	1434.1	13.4	2	1	-0.8	0.2	-6194527	-2	
22	708	1433.8	15	4	0.5	2.4	0.3	-6268713	-2.3	
22	708.3	1433.8	12.5	1.7	0.7	-1.9	0.2	-6502329	-2.5	
22	708.6	1433.4	14.4	2.6	0.2	1.1	0.1	-6820033	-2.4	
22	708.9	1433.3	10.6	0.5	0.5	-4.9	-0.2	-7219828	-2.4	
22	709.2	1432.8	14.3	2.3	0	0.8	-0.4	-7669414	-2.1	
22	709.5	1432.6	12	4	-0.1	-2.4	-0.6	-8210785	-1.5	
22	709.8	1432.3	12.5	0.4	-0.3	-2	-0.8	-8687760	-1.1	
22	710.1	1432	12.3	3.7	-0.6	-1.8	-1	-8986052	-0.5	
22	710.4	1431.9	11.4	-0.9	-0.7	-2.9	-1	-9063853	-0.1	
22	710.7	1431.9	11.5	1.4	-1	-1.4	-0.8	-8986052	0.5	
22	711	1432	10.6	-1.3	-0.9	-3.5	-0.7	-8871822	0.4	
22	711.3	1432	13.4	2.2	-1.3	2.1	-0.4	-8797269	0.3	
22	711.6	1432.4	10	0.3	-1	-3.5	-0.3	-8797269	-0.2	
22	711.9	1432.6	13.3	1.2	-1.1	-0.3	-0.1	-8834388	-0.6	
22	712.2	1432.9	13.2	4.5	-1	-0.6	0.2	-9024785	-0.9	
22	712.5	1433.1	13.8	1.4	-1	0.9	0.4	-9389014	-1.1	
22	712.8	1433.4	13.5	2.9	-0.6	-0.6	0.3	-9783879	-1.7	
22	713.1	1433.5	14.3	2.1	-0.2	0.4	0.2	-1E+07	-2.3	
22	713.4	1433.8	14.6	3.4	0	0.5	0.2	-1.1E+07	-2.6	
22	713.7	1434.1	12.7	1.4	0.7	-1.9	0	-1.2E+07	-2.6	
22	714	1434.5	12.4	0.1	1.3	-1	-0.3	-1.3E+07	-2.4	
22	714.3	1434.9	14	3.8	1.8	-0.2	-0.5	-1.3E+07	-2.2	
22	714.6	1435.1	13.3	2.8	2.1	-2.1	-0.6	-1.3E+07	-1.3	
22	714.9	1435.4	11.4	2.7	2.6	-1.8	-1	-1.3E+07	-1.1	
22	715.2	1435.4	13.5	1.4	2.6	-1.1	-1.1	-1.3E+07	-0.6	
22	715.5	1435.2	11.7	2.6	2.4	-1.5	-1.3	-1.3E+07	-0.1	
22	715.8	1435.2	12.3	-0.4	2.2	-2.5	-1.2	-1.2E+07	0.9	
22	716.1	1434.8	10.6	2.7	1.8	-1.4	-1.3	-1.2E+07	1.4	
22	716.4	1434.7	12	0.1	1.3	-0.3	-1.2	-1.1E+07	1.7	
22	716.7	1434.6	10.7	0.4	0.9	-1.7	-1.2	-1.1E+07	1.5	
22	717	1434.4	15	4.9	0.2	1	-0.8	-1E+07	1.6	
22	717.3	1434.5	10.5	-1.5	0	-1.5	-0.8	-9648618	1.1	
22	717.6	1434.5	14.5	3.9	-0.1	0.5	-0.7	-9103261	0.7	
22	717.9	1434.6	11.9	-0.2	-0.1	-1.8	-0.7	-8760460	0.1	
22	718.2	1434.5	16.9	7.7	-0.6	1.8	-0.2	-8476721	-0.4	
22	718.5	1434.5	14.2	1.8	-0.6	1.2	-0.1	-8375000	-0.9	
22	718.8	1434.7	15.6	4.4	-0.5	0.2	0.2	-8408635	-1.6	
22	719.1	1434.9	13.8	0.9	-0.3	-1.3	0.2	-8760460	-2.3	
22	719.4	1434.9	17.9	5.1	-0.6	0.8	0.6	-9389014	-2.7	
22	719.7	1435.1	14.9	2.4	-0.5	-1.8	0.7	-1E+07	-2.9	
22	720	1435.3	16	2.4	-0.3	-1.9	0.8	-1.2E+07	-3.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	720.3	1435.5	15.9	2.5	-0.1	-1.6	0.8	-1.4E+07	-3.9	
22	720.6	1435.4	17	2	-0.1	-3.2	0.7	-1.7E+07	-4.1	
22	720.9	1435.5	13.7	1.2	0	-3.8	0.8	-1.9E+07	-3.7	
22	721.2	1435.4	15.5	1.1	-0.1	-1.8	0.7		-3.5	
22	721.5	1435.4	14.9	4.3	-0.2	-2.3	0.7		-3.3	
22	721.8	1435.4	13.9	-0.4	0.2	-5.5	0.5		-3.6	
22	722.1	1435.2	17.1	5.1	0.2	-1.1	0.4	-1.9E+07	-3.7	
22	722.4	1435.1	14.6	2.1	0.3	-3.2	0.2	-1.8E+07	-3.2	
22	722.7	1435	15.3	3	0.3	-1.7	-0.1	-1.7E+07	-2.6	
22	723	1435.1	15.3	3.9	0.4	-1.9	-0.1	-1.7E+07	-1.8	
22	723.3	1434.9	13.5	2	0	-0.1	-0.1	-1.8E+07	-0.5	
22	723.6	1434.9	12.1	1.5	0.3	-3.2	-0.4	-2E+07	-0.1	
22	723.9	1434.8	14.1	0.7	0.4	0.4	-0.7		0.2	
22	724.2	1434.5	13.8	3.8	0.4	0.3	-1		0.6	
22	724.5	1434	14.2	0.9	0.2	0.8	-1.3		1.3	
22	724.8	1433.9	13.1	-0.1	0.3	0	-1.3		1.9	
22	725.1	1434.2	12.9	-0.9	0.2	1.5	-1		2	
22	725.4	1434.2	13.8	0.3	0.2	0.7	-1		2.2	
22	725.7	1434.5	12.6	-1.7	0.5	1.4	-1		1.6	
22	726	1434.7	15	0.4	0.5	2.4	-0.8		1.3	
22	726.3	1434.9	12.8	0.1	0.8	-0.7	-0.8		0.7	
22	726.6	1434.9	14.4	2	0.7	0.9	-0.8		0.4	
22	726.9	1435	12.4	-1.6	1	-1.7	-0.9		-0.4	
22	727.2	1434.8	15.4	2.1	0.5	0.9	-0.8		-0.4	
22	727.5	1434.9	11.6	0.2	0.6	-3.4	-1		-0.8	
22	727.8	1434.9	15.3	1.8	0.4	1.2	-0.7		-0.5	
22	728.1	1435.2	12.2	0.5	0.4	-2.8	-0.5		-0.9	
22	728.4	1435.2	15.7	3.4	-0.1	0.8	-0.1		-0.7	
22	728.7	1435.1	14.2	3.6	-0.4	-1.5	0.2		-0.5	
22	729	1435.5	14.1	2.1	-0.5	-1.3	0.8		-0.4	
22	729.3	1435.9	13.2	2.5	-0.5	-2.2	1.2		-0.6	
22	729.6	1436.4	15.1	0.1	-0.4	-1.4	1.7		-0.9	
22	729.9	1436.4	15.5	5	-0.6	-0.2	2		-0.6	
22	730.2	1436.2	13.3	-1.2	-0.7	-3.5	1.7		-0.8	
22	730.5	1436.1	15.5	3.6	-0.6	0.4	1.2		-1	
22	730.8	1436	13.4	-3.5	-0.5	-3.6	0.6		-1.4	
22	731.1	1435.6	17.6	3.4	-0.6	1.4	0.1		-1.3	
22	731.4	1435.5	15.7	0.1	-0.5	-0.2	-0.3	-1.9E+07	-1.2	
22	731.7	1435.4	17.1	3.3	-0.7	2.5	-0.5	-1.7E+07	-1	
22	732	1435.3	15.8	-2.1	-0.9	-0.3	-0.7	-1.6E+07	-1	
22	732.3	1435.2	18.6	3.7	-1.1	2.4	-0.6	-1.5E+07	-1	
22	732.6	1435.5	16.7	0.7	-0.7	1.3	-0.2	-1.4E+07	-0.7	
22	732.9	1435.9	15.9	0	-0.5	0.8	0.2	-1.4E+07	-0.7	
22	733.2	1436.7	15.4	-1.6	-0.1	0.3	0.8	-1.3E+07	-0.5	
22	733.5	1437.1	15.6	1.9	0.1	-0.8	1.2	-1.2E+07	-0.6	
22	733.8	1437.2	15.3	-0.2	0.4	-1.3	1.3	-1.1E+07	-0.2	
22	734.1	1437.3	14	-0.9	0.5	-1.8	1.3	-1.1E+07	-0.3	
22	734.4	1437.5	15.1	1.2	1	-1	1.1	-1E+07	-0.3	
22	734.7	1437.3	15	-2.1	1.5	-3.4	0.5	-1E+07	-0.9	
22	735	1436.6	16	1.4	1.3	-1.1	-0.1	-1.1E+07	-0.7	
22	735.3	1436.3	13.4	-1.9	1.5	-3.2	-0.8	-1.1E+07	-0.9	
22	735.6	1436	15.8	0.5	1	0.5	-1.3	-1.2E+07	-0.8	
22	735.9	1436	14	0.5	0.9	-2.8	-1.7	-1.3E+07	-1.3	
22	736.2	1435.5	17.1	5	0.5	0.9	-2	-1.5E+07	-1.3	
22	736.5	1435.6	13.9	-0.2	0.2	-2	-2	-1.8E+07	-1.2	
22	736.8	1435.5	15.9	2.1	-0.1	-0.4	-2		-1.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	737.1	1435.4	16.5	2.3	-0.3	0	-1.7		-1.5	
22	737.4	1435.4	16.2	3.1	0	-1.4	-1.3		-1.7	
22	737.7	1435.4	15.5	2.6	0	0.1	-0.7		-1.2	
22	738	1436	13.6	-0.2	0.5	-3.6	-0.2		-1.6	
22	738.3	1436.4	15.4	2.8	0.7	0.1	0.1		-1.4	
22	738.6	1436.9	14.6	-0.4	1.2	-3.2	0.4		-1.4	
22	738.9	1437.5	15.4	2.6	1.3	1.2	0.7		-1.2	
22	739.2	1437.7	14.4	0	1.4	-2.2	0.8		-0.7	
22	739.5	1437.5	15	2.6	1.3	-1.3	0.7	-2E+07	-0.7	
22	739.8	1436.8	15.9	0.5	0.9	-0.8	0.4	-1.5E+07	-0.4	
22	740.1	1435.8	15.1	3.5	0.3	-0.8	-0.1	-1.2E+07	-0.4	
22	740.4	1435.3	15.4	0.1	-0.2	0.5	-0.3	-1.1E+07	0.1	
22	740.7	1435.2	13.8	1.6	-0.4	-2	-0.4	-9693287	0.2	
22	741	1435.1	15.6	-0.1	-0.7	1.3	-0.3	-9143013	0.5	
22	741.3	1435.5	12.2	-2	-0.4	-4.5	-0.4	-8947650	0	
22	741.6	1435.5	15.9	1.8	-0.5	1.8	-0.4	-8947650	-0.3	
22	741.9	1435.6	14.7	1.5	-0.4	-1.4	-0.4	-9103261	-0.7	
22	742.2	1435.7	16.3	1.2	-0.2	0.1	-0.4	-9389014	-1.2	
22	742.5	1435.9	15.5	0	0.5	-1.3	-0.4	-9693287	-1.8	
22	742.8	1435.7	16.4	3.1	0.6	0.1	-0.7	-9738372	-2.4	
22	743.1	1435.5	16.6	1.1	0.6	-0.2	-0.9	-9648618	-2.7	
22	743.4	1435.4	15.1	1.7	1	-2.5	-1.4	-9264381	-3.6	
22	743.7	1435.1	18	0.4	0.6	2.3	-1.5	-8797269	-3.6	
22	744	1435.2	13.2	-2.5	1	-4.9	-1.7	-8375000	-4	
22	744.3	1435.3	15.8	-1.3	1	-1.1	-1.6	-7991412	-3.8	
22	744.6	1435.7	14.2	-1.6	1.1	-3.6	-1.3	-7697610	-3.1	
22	744.9	1435.7	15	-3.6	0.6	-1	-0.9	-7586051	-2.4	
22	745.2	1436.2	12.5	-4.2	0.7	-4.5	-0.3	-7669414	-2.2	
22	745.5	1436.4	14.5	-1.4	0.4	-0.8	0.3	-7930871	-1.6	
22	745.8	1436.5	12.4	-3	0.2	-2.4	0.9	-8375000	-0.4	
22	746.1	1436.5	12	-3.6	0.1	-3.6	1.3	-8871822	0.1	
22	746.4	1436.3	12.4	-2.9	-0.1	-0.2	1.3	-9473982	0.4	
22	746.7	1436.3	11.5	-2.5	0	-3	1.2	-1E+07	0.1	
22	747	1436.1	13.1	-2	-0.5	0.1	1.2	-1.1E+07	-0.1	
22	747.3	1436.1	11.7	-3.3	-0.1	-3.1	0.8	-1.1E+07	-0.4	
22	747.6	1435.8	13.3	-2.7	-0.5	0.7	0.5	-1.1E+07	-0.3	
22	747.9	1435.8	10.7	-2.7	0.1	-4	-0.1	-1E+07	-0.7	
22	748.2	1435.4	13.7	-2.1	0.2	0.4	-0.7	-9922986	-1	
22	748.5	1435.2	13.4	-0.6	0.2	-0.4	-0.9	-9431306	-0.7	
22	748.8	1435.1	12.9	-4.2	0.4	-0.7	-1.1	-9024785	-0.9	
22	749.1	1434.9	13.4	-0.5	0.4	0.9	-1.3	-8723959	-0.4	
22	749.4	1435.1	11.6	-4.3	0.7	-2.8	-1.4	-8511179	-0.6	
22	749.7	1435.1	13.9	-2.6	0.4	2.2	-1.3	-8341634	-0.2	
22	750	1435.3	12.1	-4.1	0.6	-1.8	-1.2	-8243110	-0.1	
22	750.3	1435.2	13.6	-1.9	0.1	2.2	-1	-8275692	0.1	
22	750.6	1435.3	12.3	-1.3	0.1	-2.1	-0.8	-8308532	-0.3	
22	750.9	1435.2	14.2	-1.2	-0.1	0.9	-0.7	-8115310	-0.5	
22	751.2	1435.2	13	-1.6	-0.3	-1.3	-0.4	-7613637	-0.3	
22	751.5	1435.3	12.7	-2.7	-0.2	-0.8	-0.3	-6932947	-0.7	
22	751.8	1435.5	14.5	0.1	-0.2	0.4	-0.1	-6250000	-0.8	
22	752.1	1435.9	11.4	-3.6	0	-2.5	0	-5720629	-1.1	
22	752.4	1436.1	14.4	-1.5	0.1	-0.6	0.1	-5273930	-1.3	
22	752.7	1436.4	12.3	-2.8	0.6	-2.4	-0.1	-4903396	-1.3	
22	753	1436.7	14.5	-0.9	0.7	1.2	0	-4652778	-1.3	
22	753.3	1436.9	12.2	-1.6	1.1	-3.8	-0.1	-4502689	-1.4	
22	753.6	1436.6	15.1	-0.5	0.8	1	0	-4493026	-1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	753.9	1436.6	12.2	0	0.8	-3	0.1	-4611784	-1.4	
22	754.2	1436.5	15	-0.9	0.6	-0.4	0.1	-4891940	-1.5	
22	754.5	1436.6	11.7	-3	0.5	-2.3	0.1	-5195410	-1.4	
22	754.8	1436.5	15.2	-1.1	0.3	-0.8	0.1	-5495407	-1.5	
22	755.1	1436.5	13.3	-2.2	-0.2	-0.8	0.2	-5783840	-1.3	
22	755.4	1436.7	11.8	-4.6	-0.1	-4.5	0.1	-6016523	-1.7	
22	755.7	1436.6	15	-1.6	-0.4	1.2	0.1	-6158088	-1.8	
22	756	1436.4	12.4	-2.7	0.1	-4.6	-0.3	-6176254	-2.1	
22	756.3	1436	14.9	-3.1	-0.1	0.5	-0.5	-6051301	-2.2	
22	756.6	1436	13.3	0.1	0.4	-3	-0.8	-5864846	-2.2	
22	756.9	1436.1	13.8	-2	0.5	-0.1	-1	-5736302	-2.5	
22	757.2	1436.2	14.6	0.4	0.7	-2.1	-1.2	-5568484	-2.6	
22	757.5	1436.6	13.3	-1.7	1	-1.6	-1.3	-5438312	-3	
22	757.8	1436.7	14.7	2.2	0.8	0.1	-1.3	-5327608	-2.9	
22	758.1	1436.9	11.9	-2.6	0.8	-3.2	-1.3	-5247494	-2.7	
22	758.4	1436.6	14.8	2.4	0.2	0.1	-1	-5208334	-2.6	
22	758.7	1436.7	12.3	0.3	0	-2.1	-0.6	-5157020	-2.5	
22	759	1436.4	13.2	0.8	-0.8	-0.9	-0.1	-5106708	-2	
22	759.3	1436.7	11.2	-0.3	-0.9	-2.5	0.2	-5069613	-1.2	
22	759.6	1436.9	13	-0.1	-1	-0.1	0.2	-5045181	-1	
22	759.9	1437.4	10.5	-1.2	-0.6	-1.2	0.1	-5020984	-0.2	
22	760.2	1437.7	11.6	-1.7	-0.4	-0.8	0	-4997017	0.4	
22	760.5	1438.2	9.8	-0.9	0	-1.1	-0.2	-4973278	1	
22	760.8	1438.4	11.9	-1.8	1.2	-0.4	-1	-4949764	1.1	
22	761.1	1438.5	9	-4.4	2.2	-2.1	-2	-4938090	1.6	
22	761.4	1438.5	10.9	-2	3.6	-0.7	-3.1	-4926471	1.8	
22	761.7	1438.7	11.2	-2.2	5.1	0.3	-3.7	-4926471	1.8	
22	762	1439.1	9.7	-1.9	6.1	-2.7	-3.5	-4926471	2.4	
22	762.3	1439.2	9.8	-4.1	5.9	-1.4	-3.5	-4914906	2.2	
22	762.6	1439.5	10.9	-1.2	5.9	-1.7	-3.4	-4914906	1.4	
22	762.9	1439.9	11.9	-1.7	5.8	-0.8	-3	-4938090	0.3	
22	763.2	1439.8	12.1	-0.2	4.9	-1.5	-2.4	-4938090	-0.1	
22	763.5	1439.9	13.2	-1	4.1	-0.2	-1.5	-4973278	-1.2	
22	763.8	1439.7	13.6	0.6	2.6	-1.8	-0.3	-4997017	-2.1	
22	764.1	1437.9	14.2	1.5	-1	0.6	0.9	-5057367	-3.2	
22	764.4	1436.2	16.5	2	-5.3	0.6	0.9	-5144349	-4.3	aparato de via
22	764.7	1436.3	16.3	4.9	-3.4	0.3	0.9	-5260679	-4.3	
22	765	1436.3	16.3	1.9	-2.2	0.6	1	-5410207	-4.3	
22	765.3	1436.1	16.3	4	-2.7	0.7	1.1	-5598262	-4.3	
22	765.6	1436.3	15.2	0.7	-2.3	-1.1	1.1	-5848464	-4.4	
22	765.9	1436.2	15.5	3.3	-2.4	-0.3	1	-6140030	-4.5	
22	766.2	1436.3	15.8	0.7	-1.9	-1.3	0.6	-6522586	-5.1	
22	766.5	1437.3	9.6	-2.6	0.3	-7.4	0.2	-6955980	-5.2	
22	766.8	1442	13.6	-1.4	5.5	-4	0.4	-7424646	-4.1	
22	767.1	1438.4	13.6	1.9	1.9	-3.2	0.1	-7930871	-4	
22	767.4	1435.4	11.8	-3.4	-1.4	-5.4	-0.1	-8341634	-3.8	
22	767.7	1435.4	10.7	-2.6	-1.4	-6.7	-0.3	-8651860	-3.5	
22	768	1435.2	11.6	-0.2	-1.5	-5.3	-0.7	-8834388	-3.4	
22	768.3	1435.2	9.5	-5.5	-1.4	-6.3	-1	-8871822	-2.9	
22	768.6	1435.4	10.4	-2	-1.1	-6.4	-1.3	-8651860	-2.7	
22	768.9	1435.6	9.4	-5.5	-1.3	-3.8	-1.5	-8178711	-2.2	
22	769.2	1436.1	10.5	-2.8	-3	-4.5	-1.6	-7558664	-2	
22	769.5	1436.6	9.4	-4.4	-0.8	-4.5	-1.6	-6955980	-1.7	
22	769.8	1437.4	10.6	-4	1.5	-3.2	-1.5	-6462192	-1.7	
22	770.1	1438	11.5	-1.8	2.1	-1.9	-1.4	-6068841	-1.7	
22	770.4	1438.4	11.9	-2.8	2.5	-0.8	-1.2	-5736302	-1.4	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	770.7	1439	10.4	-1.5	3	-2.1	-1	-5466710	-1.4	
22	771	1439.2	12.3	-2.5	3.1	-0.4	-0.8	-5300633	-1.5	
22	771.3	1439.5	12.4	0.1	3.1	1	-0.5	-5247494	-1.4	
22	771.6	1439.4	12.4	-0.8	2.5	0.1	-0.3	-5300633	-1.1	
22	771.9	1439.7	10.9	-0.3	2.5	-0.3	-0.1	-5424223	-1.1	
22	772.2	1439.5	12.4	-0.6	2.1	0.5	-0.1	-5509869	-1.1	
22	772.5	1439.3	12.8	2.3	1.4	0.8	0.1	-5568484	-1.1	
22	772.8	1439	10.9	-0.7	1	-1.1	0.1	-5553714	-0.9	
22	773.1	1438.8	12.7	2.9	0.5	1.7	0	-5539021	-1.1	
22	773.4	1438.4	12.1	0.2	-0.2	-0.2	0.2	-5598262	-0.8	
22	773.7	1438.2	10.6	1.6	-0.8	-0.3	0.2	-5689538	-0.6	
22	774	1438.2	11.9	1	-1.4	-0.6	0.6	-5767907	-0.6	
22	774.3	1437.9	10.8	-0.4	-2.1	0	0.8	-5799862	-0.8	
22	774.6	1437.7	11	1.3	-2.6	-1.6	1	-5931303	-1	
22	774.9	1437.5	10.4	0.6	-2.9	-2.1	1.2	-6140030	-0.6	
22	775.2	1437.5	10.4	-0.5	-3	-0.8	1.5	-6563480	-0.7	
22	775.5	1437.5	9.5	-2.4	-3.1	-3.5	1.7	-7121599	-0.6	
22	775.8	1437.7	10.7	-1.4	-2.7	-2	1.8	-7726015	-0.4	
22	776.1	1438.1	8.2	-5	-1.9	-3.4	1.7	-8243110	0.1	
22	776.4	1438.5	11.4	-2.2	-0.9	-1.8	1.5	-8723959	-0.4	
22	776.7	1438.6	9.1	-5.1	0	-3.2	1.1	-9143013	-0.1	
22	777	1439	10.9	-5.6	1	-2	0.8	-9223568	-1	
22	777.3	1439.1	11	-5.3	1.9	-2.3	0.1	-9103261	-1.8	
22	777.6	1439.1	10.2	-6.1	2.5	-2.8	-0.4	-8760460	-1	
22	777.9	1439.1	12.2	-4.1	2.8	-0.8	-0.8	-8308532	-1.2	
22	778.2	1438.8	12.5	-2.7	2.7	-1.1	-1.2	-7961027	-1.2	
22	778.5	1438.4	12.8	-2.7	2.4	-0.1	-1.6	-7726015	-1.5	
22	778.8	1437.7	13.7	-2.1	1.8	-1.1	-2	-7641424	-1.7	
22	779.1	1437.2	13.7	4.1	1.2	0	-2.2	-7558664	-1.7	
22	779.4	1436.7	12.9	-0.7	0.4	-1.8	-2.2	-7558664	-1.1	
22	779.7	1436.7	12.6	-1	0.2	-1.8	-2.1	-7641424	-1.1	
22	780	1436.5	13.7	1.9	0	1.1	-2	-7841760	-1.2	
22	780.3	1436.7	14	3.3	0.2	-0.7	-2	-8243110	-1.3	
22	780.6	1436.9	14.1	2.5	0.5	-0.2	-2	-8760460	-1.1	
22	780.9	1437.1	14.6	5.1	0.3	0.3	-2.2	-9517046	-1.1	
22	781.2	1437.2	14.9	4.5	0	0.1	-2.4	-1.1E+07	-0.9	
22	781.5	1437.8	14.8	5.4	0.6	-0.1	-2.7	-1.2E+07	-0.8	
22	781.8	1438	16.3	5.8	1	2.5	-2.8	-1.4E+07	-0.6	
22	782.1	1438	15.5	6.1	1	1.2	-2.9	-1.7E+07	-0.5	
22	782.4	1438	12.5	1.9	1.3	-2.4	-3.1		-0.3	
22	782.7	1437.9	14.7	3.2	1.4	-0.8	-3.5		-0.4	
22	783	1438.1	14	2.1	1.2	-1.4	-3.1		-0.6	
22	783.3	1439.7	13.5	3.1	2	-1.5	-2		-0.8	
22	783.6	1441.5	14.2	1.9	3	-2.1	-0.9		-1.2	
22	783.9	1442.6	14.5	2.1	3.3	-2.5	0.2		-1.6	aparato de via
22	784.2	1443	13.5	1.1	3.2	-3.5	1.1		-1.3	
22	784.5	1443.2	15.1	4.2	3.4	-2.3	1.7		-2.2	
22	784.8	1443.2	15.5	3.1	3.4	-1	2.1		-3.3	
22	785.1	1443.4	16.1	3.3	2.9	-3	3.2		-4.1	
22	785.4	1443.1	15.6	4.7	2.2	-2.9	3.6	-1.9E+07	-4.3	
22	785.7	1442.3	13.8	1.1	1	-4.7	3.4	-1.5E+07	-3.5	
22	786	1441.6	15.3	3.2	0.2	-2.9	2.7	-1.2E+07	-3.7	
22	786.3	1440.4	16	5.4	-0.8	-2.3	2	-1E+07	-3.8	
22	786.6	1439.3	15.2	3.3	-1.2	-1.6	1.3	-9024785	-3.4	
22	786.9	1438.2	15	4.2	-1.4	-2.3	0.6	-8083977	-2.5	
22	787.2	1437.4	13.9	2.9	-1.3	-3.6	-0.2	-7372359	-1.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	787.5	1436.6	15.3	4.9	-1.3	-1.9	-1	-6979167	-1.3	
22	787.8	1436.4	14.5	4.1	-0.9	-1.7	-1.6	-6732315	-0.8	
22	788.1	1436.2	16.5	7	-0.5	2.3	-1.8	-6625791	-0.4	
22	788.4	1435.9	14.8	4.1	-0.5	-0.9	-1.8	-6754032	0	
22	788.7	1435.8	14.5	6.3	-0.5	0.3	-1.6	-7121599	0.3	
22	789	1435.3	13.2	1.8	-0.5	-2	-1.8	-7641424	0.4	
22	789.3	1434.9	14.6	5.5	-0.7	0.8	-1.6	-8511179	0.4	
22	789.6	1434.6	15.7	4.8	-1.1	2.3	-1.3	-9693287	0.3	
22	789.9	1434.5	15.7	4.7	-1.5	0.8	-0.8	-1.1E+07	0.1	
22	790.2	1434.6	15.1	4.9	-1.9	0.8	-0.1	-1.4E+07	-0.1	
22	790.5	1434.7	13.8	1.6	-2.1	-2.2	0.3	-1.7E+07	-0.4	
22	790.8	1434.8	16.1	3.6	-2.2	1.1	0.9		-0.7	
22	791.1	1435.4	13	0.2	-1.8	-2	1.3		-1	
22	791.4	1435.8	16.1	2.4	-1.7	2.4	1.9		-1.3	
22	791.7	1436.2	13.5	-0.2	-1.2	-2.2	2.3		-1.3	
22	792	1436.7	13.6	0.7	-0.5	-1.9	2.3		-1.6	
22	792.3	1437	14.7	2.1	0.1	-2.1	2.3		-1.8	
22	792.6	1436.9	13.9	0.2	0.2	-1.5	2.1		-1.9	
22	792.9	1436.7	14.7	0.7	0.4	-0.6	1.8		-2	
22	793.2	1436.4	13.8	-0.3	0.3	-2.2	1.4		-1.9	
22	793.5	1436	13.5	-1.1	-0.1	-1.4	1.2	17743644	-1.3	
22	793.8	1435.8	11.6	-3.3	0.2	-4.4	0.5	17022358	-1.3	
22	794.1	1435.3	14.3	-0.5	0.1	0.3	0	17447917	-1.1	
22	794.4	1435.1	12.2	-4.1	0.1	-2.1	-0.4	19386574	-0.9	
22	794.7	1434.7	14.4	-1.1	-0.3	-0.7	-0.5		-0.4	
22	795	1434.5	11.9	-0.6	-0.1	-2	-0.7		-0.1	
22	795.3	1434.4	12.8	-1.9	0	-1	-0.9		-0.1	
22	795.6	1434.6	12.1	-1.9	0.6	-0.7	-1.1		-0.1	
22	795.9	1434.4	14.2	0.7	0.8	-0.7	-1.3		-0.2	
22	796.2	1434.3	13.3	-0.9	0.8	0.6	-1.3		0.2	
22	796.5	1434.2	12.3	-2.2	1	-0.7	-1.5		-0.2	
22	796.8	1434.2	13.2	-0.3	1	-1.7	-1.6	-2E+07	-0.6	
22	797.1	1434	14.7	-0.4	0.8	1	-1.7	-1.8E+07	-1	
22	797.4	1433.8	13.7	-1.8	0.3	-0.4	-1.5	-1.8E+07	-0.7	
22	797.7	1433.8	12.8	-3.3	0.1	-1.2	-1.5	-1.9E+07	-0.8	
22	798	1433.9	11.7	-3.9	-0.4	-2.6	-1.3		-1.2	
22	798.3	1433.8	15.8	2	-1.1	0.4	-0.6		-0.9	
22	798.6	1433.7	14.1	-1.2	-1.8	0.4	0		-0.4	
22	798.9	1434.1	11.4	-4.6	-1.2	-2.8	0		-0.7	
22	799.2	1434.5	16.4	1.2	-1.3	3.2	0.6		-0.2	
22	799.5	1435.1	11	-4	-0.6	-4.3	0.8		-0.6	
22	799.8	1435.5	15	1.1	-0.4	1.4	1.1		-0.7	
22	800.1	1436	13.7	-1.6	0.1	-0.8	1.2		-1	
22	800.4	1436.6	14.1	-0.4	0.8	0.4	1		-1.8	
22	800.7	1436.7	14.8	-1.7	1.3	-1.9	0.8		-2.1	
22	801	1436.7	13.4	-1.4	1.8	-2.6	0.4		-2.6	
22	801.3	1436.5	14.8	0.3	1.7	-0.8	0.2	-1.9E+07	-2.8	
22	801.6	1436.2	12.7	-0.5	1.6	-4.8	-0.3	-1.6E+07	-3	
22	801.9	1435.9	14.6	0	1.3	-0.9	-0.5	-1.4E+07	-3	
22	802.2	1435.7	12.2	-3.5	1.1	-4.5	-0.7	-1.2E+07	-2.8	
22	802.5	1435.5	14.1	-1.6	0.8	-2.9	-0.7	-1.2E+07	-2.3	
22	802.8	1435.6	12.1	-3	0.5	-3.2	-0.7	-1.2E+07	-1.8	
22	803.1	1435.4	13.5	-0.3	0.2	-2.4	-0.7	-1.2E+07	-1.3	
22	803.4	1435.4	12.7	-3.4	0	-1.6	-0.5	-1.2E+07	-0.9	
22	803.7	1435.2	14.1	1.1	-0.2	-0.8	-0.4	-1.2E+07	-0.3	
22	804	1435.2	12.6	-3.5	-0.1	-1.2	-0.1	-1.3E+07	-0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	804.3	1435	14	0.5	0	-0.1	-0.1	-1.4E+07	-0.3	
22	804.6	1435.1	12.8	-0.8	0.2	-0.8	-0.1	-1.5E+07	-0.7	
22	804.9	1434.9	15.7	1	0.2	0.7	-0.1	-1.4E+07	-0.9	
22	805.2	1434.9	12.8	-1.1	0.3	-1.7	-0.1	-1.4E+07	-0.8	
22	805.5	1435	14.4	-0.3	0.6	-0.4	-0.1	-1.3E+07	-0.9	
22	805.8	1435.1	13.5	-0.3	0.9	-1.7	-0.1	-1.2E+07	-1.1	
22	806.1	1435	14.3	0.8	1.2	-1.8	-0.3	-1.2E+07	-1.3	
22	806.4	1434.6	14.8	3.2	0.9	-0.7	-0.3	-1.1E+07	-1.3	
22	806.7	1434.4	13.1	-1.2	0.8	-1.9	-0.3	-1E+07	-1.1	
22	807	1434.3	13.6	1.4	0.9	-1.9	-0.4	-1E+07	-0.9	
22	807.3	1434.1	14.1	-0.3	0.7	-2.3	-0.4	-1E+07	-1.1	
22	807.6	1433.8	15.3	3.4	0.6	-0.3	-0.3	-1.1E+07	-1	
22	807.9	1433.6	14.2	1.4	0.5	-1.4	-0.4	-1.1E+07	-1.2	
22	808.2	1433.2	15.6	3.5	0.2	-0.3	-0.5	-1.2E+07	-1.4	
22	808.5	1433	15.5	1.3	0.3	-0.8	-0.6	-1.2E+07	-1.9	
22	808.8	1432.8	15.7	2.4	0.2	-1.5	-0.5	-1.3E+07	-2	
22	809.1	1432.8	13.8	1.5	0.3	-2.7	-0.7	-1.3E+07	-2.4	
22	809.4	1432.6	16.4	3.2	0.1	-0.5	-0.9	-1.4E+07	-2.7	
22	809.7	1432.6	15	0.3	0.1	-2.5	-1.1	-1.4E+07	-3	
22	810	1432.2	16.4	2.7	-0.4	-1.6	-1.1	-1.4E+07	-2.7	
22	810.3	1432	14.4	1.6	-0.5	-2.6	-1.1	-1.4E+07	-2.4	
22	810.6	1431.8	15.6	3.9	-0.7	-1.5	-1.1	-1.4E+07	-2.3	
22	810.9	1431.6	14.4	-1.4	-1	-2.8	-1.1	-1.3E+07	-2.2	
22	811.2	1431.7	15.7	1.6	-1.4	-0.8	-0.9	-1.3E+07	-2	
22	811.5	1432	15.2	3.8	-1.8	0	-0.3	-1.3E+07	-1.5	
22	811.8	1432.6	14.7	-1.7	-2	-0.6	0.3	-1.3E+07	-1	
22	812.1	1433.2	15	4	-2.1	-0.7	0.9	-1.3E+07	-0.7	
22	812.4	1433.6	15.2	0.2	-2.2	-0.5	1.4	-1.3E+07	-0.9	
22	812.7	1433.6	15	1.3	-2.4	-0.5	1.7	-1.2E+07	-0.6	
22	813	1434	14.1	0	-2.1	-1.1	1.8	-1.2E+07	-0.7	
22	813.3	1434.4	14.6	-0.2	-1.9	-0.4	2	-1.2E+07	-0.5	
22	813.6	1435.1	13.2	-0.2	-1	-2.7	1.8	-1.1E+07	-0.8	
22	813.9	1435.4	13.6	-1.2	-0.7	-1.8	1.5	-1.1E+07	-0.4	
22	814.2	1435.9	12.3	-0.4	0.1	-3.2	0.9	-1E+07	-0.7	
22	814.5	1436.1	15	0.4	0.7	-0.3	0.2	-9829812	-1	
22	814.8	1436.5	13.3	1.1	1.7	-2.8	-0.6	-9693287	-1.3	
22	815.1	1436.6	15.4	1.3	2.2	-0.2	-1.2	-9693287	-1.4	
22	815.4	1436.9	13.4	1.3	2.7	-1.8	-1.6	-9922986	-1.4	
22	815.7	1436.9	14.6	1.1	3.2	-1.2	-2.2	-1E+07	-1.9	
22	816	1436.9	14.5	1.8	3.3	-0.6	-2.5	-1.1E+07	-2.1	
22	816.3	1437.1	14.8	0.7	3.6	-1	-2.6	-1.2E+07	-2.6	
22	816.6	1437.1	15	2.4	3.3	-0.6	-2.3	-1.3E+07	-2.8	
22	816.9	1437.2	13.7	-0.3	3.1	-3.1	-2	-1.4E+07	-2.7	
22	817.2	1437.3	14.5	1.7	2.7	-1.6	-1.6	-1.4E+07	-2.5	
22	817.5	1437.5	13.4	-2.3	2.4	-3.4	-1	-1.4E+07	-2.1	
22	817.8	1437.6	13.6	0.8	2.1	-1	-0.6	-1.4E+07	-1.6	
22	818.1	1437.4	13.2	-1.2	1.5	-1.7	-0.1	-1.3E+07	-0.9	
22	818.4	1437.1	12.8	-0.7	1	-1.6	0.2	-1.2E+07	-0.1	
22	818.7	1436.8	12.8	-1.5	0.4	-0.4	0.6	-1.2E+07	0.7	
22	819	1436.4	13.3	-1.5	-0.1	0.6	0.8	-1.1E+07	1.5	
22	819.3	1436	13.1	0	-0.6	1.5	1	-1.1E+07	1.9	
22	819.6	1435.8	13.8	0.2	-1	1.9	1.1	-1E+07	1.8	
22	819.9	1435.6	14	-0.1	-1.4	2.1	1.1	-1E+07	1.5	
22	820.2	1435.3	12.6	-2.7	-1.7	0.3	0.9	-1.1E+07	1.1	
22	820.5	1435.2	13.4	-0.8	-1.9	1	0.7	-1.1E+07	0.7	
22	820.8	1435	14.1	-1.5	-2.1	1.2	0.5	-1.2E+07	0.1	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	821.1	1434.6	13.1	-2.4	-2.3	-0.4	0.2	-1.3E+07	-0.3	
22	821.4	1434.3	13.3	-2.4	-2	-0.4	-0.1	-1.4E+07	-1	
22	821.7	1434.1	13.3	-0.5	-1.8	-0.8	-0.4	-1.4E+07	-1.3	
22	822	1434.1	13	-3.4	-1.4	-1.4	-0.6	-1.4E+07	-1.7	
22	822.3	1434.2	13.5	-1.5	-1	-2.2	-0.8	-1.4E+07	-2.2	
22	822.6	1434.6	13.3	-3.1	-0.1	-2.2	-1	-1.3E+07	-2.8	
22	822.9	1435.3	13	-1.4	0.6	-3.4	-1.1	-1.2E+07	-3.2	
22	823.2	1436.1	13.3	-2.3	1.7	-4.3	-1.3	-1.1E+07	-3.8	
22	823.5	1436.6	13.7	-0.7	2.6	-3.9	-1.4	-9970238	-4.5	
22	823.8	1436.5	12.2	-3.5	2.5	-5.6	-1.3	-9264381	-4.5	
22	824.1	1436.5	12.4	-2.8	2.6	-5.1	-1.1	-8687760	-4.2	
22	824.4	1436.4	11.6	-3.1	2.2	-5.8	-0.7	-8341634	-3.9	
22	824.7	1436.4	13.1	-1.9	2.1	-4.3	-0.4	-8146887	-4.1	
22	825	1436	12.9	-2.3	1.6	-4.2	-0.1	-8115310	-3.4	
22	825.3	1436.3	13	-2	1.2	-3.1	0.4	-8083977	-3.4	
22	825.6	1436.3	13.6	-0.5	0.4	-2.9	0.8	-8052885	-3.1	
22	825.9	1436.3	13.2	-1.4	0	-2.8	1	-8052885	-2.7	
22	826.2	1436.3	13.3	0.1	-0.1	-1.3	1.1	-8083977	-1.7	
22	826.5	1436	13.3	-0.3	-0.3	-1.2	0.9	-8146887	-1.3	
22	826.8	1435.6	14	1.7	-0.5	-0.2	0.7	-8146887	-0.8	
22	827.1	1435.1	13.1	-1.9	-0.6	-0.7	0.2	-8115310	-0.4	
22	827.4	1434.5	14	0.7	-0.8	0.8	-0.2	-8115310	0.2	
22	827.7	1434.1	12.5	-2.9	-1	-1.1	-0.7	-8178711	0.5	
22	828	1434	13.4	0	-0.7	0.4	-1.2	-8408635	0.8	
22	828.3	1434	12.8	-1.8	-0.3	0	-1.6	-8723959	0.9	
22	828.6	1434.2	13.6	-0.9	-0.2	0.9	-1.7	-9183114	0.7	
22	828.9	1434.3	13.9	-0.9	0	0.1	-1.6	-9693287	0.2	
22	829.2	1434.5	15.2	0.2	0.1	0.8	-1.4	-1E+07	-0.5	
22	829.5	1434.7	13.7	0	0.3	-0.8	-1.2	-1.1E+07	-0.7	
22	829.8	1435.1	14	-0.5	0.8	-1.4	-1	-1.1E+07	-1.3	
22	830.1	1435.2	15.2	1.8	0.7	0.3	-0.7	-1.1E+07	-1.5	
22	830.4	1435.5	14	0.4	0.6	-1.9	-0.3	-1.1E+07	-2	
22	830.7	1435.6	14.3	1.1	0.4	-0.9	0.1	-1.1E+07	-1.7	
22	831	1435.8	13.5	0.7	0.5	-2.3	0.2	-1E+07	-1.7	
22	831.3	1435.8	14.7	1.9	0.4	-0.7	0.2	-9604358	-1.7	
22	831.6	1435.9	13.7	0.4	0.5	-2.9	0.2	-8986052	-1.5	
22	831.9	1436	14.6	1.5	0.5	-0.5	0.2	-8442541	-1.4	
22	832.2	1436.2	14.2	0.4	0.6	-1.1	0.3	-7991412	-1.1	
22	832.5	1436.3	14.3	0.3	0.8	-1.2	0.4	-7669414	-1.3	
22	832.8	1436.3	14.4	1.8	0.8	-0.2	0.4	-7504480	-1.3	
22	833.1	1436.2	14.2	0.8	0.9	-1.7	0.3	-7451068	-1.8	
22	833.4	1436.1	14.6	0.5	0.8	-0.2	0.3	-7531475	-1.7	
22	833.7	1436.1	13.5	0.4	1	-2.8	0.2	-7754630	-2.1	
22	834	1435.9	15	1.7	1	0.1	0	-8052885	-2.3	
22	834.3	1435.8	13.8	0.5	0.9	-2.2	-0.1	-8408635	-2	
22	834.6	1435.4	14.4	1.4	0.7	-0.7	-0.4	-8723959	-2	
22	834.9	1435	13.3	-0.2	0.5	-1.7	-0.7	-8947650	-1.3	
22	835.2	1434.7	12.7	-0.6	0.7	-2.1	-1.3	-9063853	-1.4	
22	835.5	1434.4	13.8	0.8	0.6	-0.6	-1.7	-8986052	-1	
22	835.8	1434.2	12.6	-0.7	0.7	-2	-2.2	-8760460	-0.7	
22	836.1	1433.9	13.7	0	0.4	0.3	-2.4	-8476721	-0.3	
22	836.4	1434	11.6	-0.6	0.6	-2.8	-2.4	-8178711	-0.3	
22	836.7	1434	13.4	1	0.4	0.7	-2.3	-7930871	-0.4	
22	837	1434	11.9	0.3	0.3	-2.6	-2.1	-7726015	-0.5	
22	837.3	1434	13	-0.1	0	0.2	-1.6	-7586051	-0.8	
22	837.6	1434.2	12.4	-0.5	-0.3	-1.5	-0.8	-7586051	-0.6	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	837.9	1434.9	12.5	-0.5	-0.2	-2.4	0.1	-7641424	-1.3	
22	838.2	1435.3	13.2	-0.4	-0.3	-0.8	0.8	-7841760	-1.4	
22	838.5	1435.8	12.8	-0.4	-0.1	-3.1	1.4	-8115310	-1.8	
22	838.8	1435.8	13.2	-0.1	-0.4	-0.5	1.8	-8442541	-1.4	
22	839.1	1436.1	10.9	-2.4	-0.1	-4.6	2	-8760460	-1.4	
22	839.4	1436.1	13.5	-0.5	-0.1	0	2	-9063853	-1.3	
22	839.7	1436.2	10.8	-2.3	0.6	-4.8	1.6	-9389014	-1.5	
22	840	1435.9	14	0	0.6	-0.2	1.2	-9783879	-1.7	
22	840.3	1435.6	13.5	1	0.3	-1.4	0.8	-1E+07	-1.5	
22	840.6	1435.4	12.5	-0.9	0.5	-2.4	0.1	-1E+07	-1.5	
22	840.9	1435.1	14.5	1.7	0.4	-0.2	-0.5	-1E+07	-1.6	
22	841.2	1434.9	13.1	-0.5	0.6	-1.9	-1.1	-1.1E+07	-1.9	
22	841.5	1434.4	14.8	0.9	0.2	1.5	-1.6	-1.1E+07	-1.8	
22	841.8	1434.4	12.4	-2.8	0.4	-2.6	-1.9	-1.1E+07	-1.8	
22	842.1	1433.9	15.2	1.5	-0.2	2	-2	-1E+07	-1.7	
22	842.4	1434	12.6	-1.4	-0.1	-2.4	-1.9	-1E+07	-1.8	
22	842.7	1434.2	14.3	-0.9	-0.2	-0.7	-1.6	-9560502	-1.9	
22	843	1434.3	13.6	-0.4	-0.3	-0.6	-1.3	-9103261	-1.6	
22	843.3	1434.6	13.3	-1	-0.2	-1.8	-1	-8651860	-1.5	
22	843.6	1435	13.1	-0.4	-0.2	-0.8	-0.6	-8210785	-1.1	
22	843.9	1435.4	12.2	-2.5	0.2	-2.7	-0.3	-7783457	-1.1	
22	844.2	1435.7	13	-0.7	0.2	-0.7	0	-7424646	-1	
22	844.5	1436.1	12.1	-2.5	0.8	-2.5	0.2	-7170377	-0.8	
22	844.8	1436.2	12.5	-1.7	0.9	-0.2	0.2	-7049664	-0.8	
22	845.1	1436.3	12.6	-1.7	1	-1.9	0.2	-7097458	-0.7	
22	845.4	1436.5	12.6	-1.8	1.2	0.5	0.2	-7424646	-0.8	
22	845.7	1436.5	12.8	-1.4	1.3	-1.3	0.2	-8022031	-0.8	
22	846	1436.6	12.4	-2.2	1.2	-0.2	0.2	-9103261	-1.1	
22	846.3	1436.6	12.9	-0.6	1.1	-0.8	0.2	-1.1E+07	-1.1	
22	846.6	1436.5	13	-2	1.1	-1.2	0.1	-1.4E+07	-1.2	
22	846.9	1436.3	12.4	-1.4	0.9	-1.3	0	-1.8E+07	-1.1	
22	847.2	1436.2	11.2	-3.2	1	-2.8	-0.3		-1.2	
22	847.5	1436	13.4	0.1	0.5	-0.2	-0.2		-1.1	
22	847.8	1435.9	9	-3.7	0.5	-4.6	-0.5		-1.2	
22	848.1	1435.5	13.3	-0.5	0.2	-1.2	-0.5		-1.1	
22	848.4	1435.4	10	-2.6	0.2	-4	-0.7		-1.1	
22	848.7	1435.2	13.1	-0.6	-0.1	-0.1	-0.7		-1.1	
22	849	1434.9	13.1	1.5	-0.2	-1.7	-0.7		-1.1	
22	849.3	1434.8	13.2	-0.2	-0.4	-0.4	-0.6	-1.5E+07	-1.4	
22	849.6	1434.7	13.1	1.2	-0.5	-0.8	-0.4	-1.2E+07	-1.1	
22	849.9	1435.1	12.5	-0.5	-0.2	-1.8	-0.1	-1E+07	-1.2	
22	850.2	1435.2	12.2	-0.2	-0.2	0	0	-9103261	-1.2	
22	850.5	1435.2	14	1.5	-0.1	-1	0.1	-8442541	-1.6	
22	850.8	1435.1	13.4	0.2	-0.5	1.2	0.4	-8146887	-1.4	
22	851.1	1435.4	11.2	-1.6	0.1	-3.9	0.3	-8243110	-2	
22	851.4	1435.1	14.4	1.2	0	0.4	0.3	-8687760	-2.1	
22	851.7	1435.2	12	1.1	0.6	-3.2	0.1	-9604358	-2.4	
22	852	1435	14.4	0.9	0.8	-0.8	-0.1		-2.4	
22	852.3	1434.8	12.8	2	0.8	-2.1	-0.4		-2	
22	852.6	1434.8	13	-1	0.9	-1.8	-0.6		-2.1	
22	852.9	1434.8	13.5	0	0.9	-1.6	-0.7		-1.7	
22	853.2	1435	11.6	-0.9	1.3	-3	-0.9		-1.6	
22	853.5	1434.8	13.2	-1.3	0.8	-0.1	-1		-1.2	
22	853.8	1434.6	10.7	-2.4	0.7	-3.8	-1.2		-0.7	
22	854.1	1434.1	12.4	-2.4	0	-0.8	-1.3		-0.6	
22	854.4	1434	12.5	0.1	-0.2	-1.8	-1.1		-0.9	

KM	Metros	Ancho (mm)	Peralte (mm)	Alabeo 1 (mm)	Alin Iz. (mm)	Nivel. I (mm)	Alin De. (mm)	Radio D. (mm)	Nivel. D (mm)	Comentarios
22	854.7	1433.8	13.4	-1.8	-0.7	-0.7	-0.9		-1.4	
22	855	1433.8	13.2	0.6	-1.1	-1.4	-0.5		-1.6	
22	855.3	1434.1	12.9	-1.4	-1.4	-2.3	0		-2.2	
22	855.6	1434.2	12.7	-0.9	-1.9	-2	0.4		-2.2	
22	855.9	1434.7	13	-0.3	-1.8	-2.8	0.9		-2.5	
22	856.2	1435.1	13.1	0	-1.7	-1.1	1.2		-2.3	
22	856.5	1435.6	13.2	1	-1.1	-2.4	1.5		-2.7	
22	856.8	1435.7	12.4	-0.6	-0.7	-2.7	1.3		-2.1	
22	857.1	1436	12.6	0.5	0	-2.7	1.3		-1.7	
22	857.4	1436.1	13	0.5	0.8	-2.1	1		-1.5	
22	857.7	1436.2	12.5	-0.1	1.2	-2.1	0.6		-1.3	
22	858	1436.3	13.4	0.8	1.7	-1.1	0.2		-1.4	
22	858.3	1436.4	13.4	0.6	2.1	-1.4	-0.2		-1.4	
22	858.6	1436.5	13.2	0.8	2.2	-1.8	-0.6		-1.4	
22	858.9	1436.3	13.4	0.5	2.1	-1.2	-1.1		-1.4	
22	859.2	1436.2	13.5	0.5	2	-0.6	-1.4		-1.5	
22	859.5	1435.5	13.9	1.5			-1.6		-1.6	
22	859.8	1434.9	13.9	2.7			-1.6		-1.7	
22	860.1	1434.6	13.8	0.4			-1.3		-1.6	
22	860.4	1434.6	13.5	4.5			-1		-1.5	
22	860.7	1434.4	13.7	0.4			-0.8		-1.3	
22	861	1434.7	14	4			-0.2		-1.3	
22	861.3	1435	13.2	0.1			0.2		-1	
22	861.6	1435.5	12.9	-0.2			0.7		-0.7	