

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.063	C - 1	0.625	0.006	INOXIDABLE	40.000	0.246	1.580	CERRADO
	C - 2	0.500	0.010	PIANO	25.500	0.265	4.350	CERRADO
0.078	C - 3	0.219	0.010	PIANO	6.250	0.073	9.540	CERRADO
	C - 4	0.281	0.012	INOXIDABLE	9.500	0.126	12.020	CERRADO
	C - 5	0.281	0.012	INOXIDABLE	9.500	0.126	12.020	CERRADO
0.083	C - 6	0.250	0.014	INOXIDABLE	8.500	0.133	22.490	CERRADO
0.094	C - 7	0.125	0.014	INOXIDABLE	4.000	0.070	47.830	CERRADO
	C - 8	0.156	0.013	PIANO	5.250	0.081	23.770	CERRADO
	C - 9	0.250	0.015	PIANO	7.000	0.120	29.520	CERRADO
	C - 10	0.313	0.012	PIANO	12.000	0.156	5.410	CERRADO
	C - 11	0.375	0.012	PIANO	11.500	0.150	5.690	CERRADO
	C - 12	0.406	0.010	PIANO	10.500	0.115	2.850	CERRADO
	C - 13	0.500	0.010	PIANO	17.000	0.180	1.620	CERRADO
	C - 14	0.500	0.010	PIANO	11.500	0.125	2.550	CERRADO
	C - 15	0.500	0.012	PIANO	17.500	0.222	3.490	CERRADO
	C - 16	0.500	0.013	PIANO	12.500	0.176	7.360	CERRADO
	C - 17	0.531	0.013	INOXIDABLE	13.000	0.182	6.110	CERRADO
	C - 18	0.938	0.010	INOXIDABLE	26.000	0.270	0.880	CERRADO
0.109	C - 19	0.188	0.010	PIANO	6.000	0.070	3.700	CERRADO
	C - 20	0.250	0.012	INOXIDABLE	7.500	0.102	5.270	CERRADO
	C - 21	0.250	0.015	INOXIDABLE	5.000	0.090	25.400	CERRADO
	C - 22	0.281	0.012	PIANO	7.000	0.096	6.530	CERRADO
	C - 23	0.313	0.013	INOXIDABLE	9.000	0.130	5.760	CERRADO
	C - 24	0.313	0.014	PIANO	8.500	0.133	9.910	CERRADO
	C - 25	0.313	0.020	PIANO	8.500	0.190	50.190	CERRADO
	C - 26	0.469	0.022	PIANO	11.000	0.264	56.820	CERRADO
	C - 27	0.594	0.012	PIANO	13.000	0.168	2.970	CERRADO
	C - 28	0.750	0.012	PIANO	21.000	0.264	1.720	CERRADO
	C - 29	0.844	0.013	INOXIDABLE	20.000	0.273	2.290	CERRADO
0.125	C - 30	1.000	0.010	PIANO	16.000	0.170	0.910	CERRADO
	C - 31	0.625	0.028	PIANO	12.000	0.364	96.810	CERRADO
	C - 32	0.188	0.020	PIANO	5.000	0.120	66.230	CERRADO
	C - 33	0.250	0.016	INOXIDABLE	8.125	0.146	10.330	CERRADO
	C - 34	0.250	0.016	PIANO	6.500	0.104	16.170	CERR. Y ESM.
	C - 35	0.313	0.022	INOXIDABLE	8.000	0.176	44.660	CERR. Y ESM.
	C - 36	0.344	0.012	PIANO	7.333	0.100	3.880	CERRADO
	C - 37	0.344	0.026	PIANO	8.000	0.234	112.840	CERRADO

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0.125	C - 38	0.375	0.015	INOXIDABLE	10.000	0.150	6.790	CERR. Y ESM.
	C - 39	0.375	0.022	INOXIDABLE	10.000	0.242	33.500	CERRADO
	C - 40	0.438	0.025	PIANO	10.000	0.250	62.260	CERRADO
	C - 41	0.500	0.008	PIANO	19.000	0.160	0.190	CERRADO
	C - 42	0.500	0.014	PIANO	13.000	0.196	3.670	CERRADO
	C - 43	0.500	0.016	PIANO	1.333	0.197	7.790	CERRADO
	C - 44	0.500	0.020	PIANO	13.000	0.280	18.060	CERRADO
	C - 45	0.500	0.022	PIANO	13.250	0.314	27.390	CERRADO
	C - 46	0.563	0.027	PIANO	15.000	0.272	7.330	CERRADO
	C - 47	0.625	0.011	PIANO	11.000	0.132	1.580	CERRADO
	C - 48	0.625	0.014	PIANO	14.250	0.214	3.300	CERRADO
	C - 49	0.625	0.018	PIANO	12.750	0.248	11.460	CERRADO
	C - 50	0.656	0.020	PIANO	14.500	0.310	15.890	CERRADO
	C - 51	0.750	0.012	PIANO	16.000	0.204	1.480	CERRADO
	C - 52	0.813	0.008	INOXIDABLE	12.500	0.108	0.300	CERRADO
	C - 53	1.000	0.014	PIANO	20.250	0.298	2.210	CERRADO
	C - 54	1.000	1.000	PIANO	22.500	0.376	3.550	CERRADO
	C - 55	1.375	0.016	PIANO	33.000	0.544	2.350	CERRADO
C - 56	1.750	0.014	PIANO	34.500	0.497	1.240	CERRADO	
0.141	C - 57	0.156	0.012	INOXIDABLE	5.000	0.072	4.200	CERRADO
	C - 58	0.203	0.020	PIANO	4.000	0.080	66.550	CERR. Y ESM.
	C - 59	0.375	0.015	PIANO	8.500	0.143	5.730	CERRADO
	C - 60	0.375	0.020	INOXIDABLE	7.750	0.175	2.530	CERRADO
	C - 61	0.406	0.019	INOXIDABLE	8.750	0.166	13.900	CERR. Y ESM.
	C - 62	0.438	0.016	PIANO	8.250	0.148	7.910	CERRADO
	C - 63	0.469	0.018	PIANO	9.000	0.180	11.870	CERRADO
	C - 64	0.500	0.010	PIANO	12.000	0.130	0.650	CERRADO
	C - 65	0.500	0.026	INOXIDABLE	8.000	0.234	64.250	CERRADO
	C - 66	0.563	0.020	INOXIDABLE	9.000	0.200	16.530	CERRADO
	C - 67	1.000	0.016	PIANO	16.000	0.272	3.530	CERRADO
0.156	C - 68	0.188	0.020	PIANO	4.000	0.100	45.720	CERRADO
	C - 69	0.250	0.012	INOXIDABLE	5.500	0.078	2.480	CERRADO
	C - 70	0.250	0.015	INOXIDABLE	5.000	0.090	7.520	CERRADO
	C - 71	0.250	0.020	PIANO	5.000	0.120	30.480	CERR. Y ESM.
	C - 72	0.281	0.010	INOXIDABLE	5.000	0.060	1.340	CERR. Y ESM.
	C - 73	0.313	0.007	PIANO	14.250	0.107	0.090	CERRADO
	C - 74	0.344	0.008	PIANO	13.000	0.112	0.140	CERRADO

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0.156	C - 75	0.375	0.015	INOXIDABLE	13.000	0.210	2.050	CERR. Y ESM.
	C - 76	0.375	0.028	PIANO	6.500	0.210	93.680	CERRADO
	C - 77	0.406	0.009	PIANO	12.000	0.117	0.300	CERRADO
	C - 78	0.469	0.016	PIANO	8.250	0.148	5.490	CERRADO
	C - 79	0.500	0.009	PIANO	10.500	0.104	0.310	CERRADO
	C - 80	0.500	0.016	PIANO	11.000	0.192	3.810	CERRADO
	C - 81	0.500	0.030	PIANO	8.000	0.270	97.010	CERRADO
	C - 82	0.563	0.012	PIANO	10.000	1.320	1.250	CERRADO
	C - 83	0.563	0.023	PIANO	11.000	0.276	19.000	CERRADO
	C - 84	0.625	0.011	PIANO	7.750	0.096	1.200	CERRADO
	C - 85	0.625	0.015	PIANO	17.000	0.270	1.730	CERRADO
	C - 86	0.625	0.022	INOXIDABLE	14.500	0.341	9.740	CERRADO
	C - 87	0.625	0.024	INOXIDABLE	13.500	0.324	15.860	CERR. Y ESM.
	C - 88	0.750	0.010	PIANO	15.000	0.160	0.360	CERRADO
	C - 89	0.875	0.016	PIANO	17.500	0.296	2.210	CERRADO
	C - 90	1.000	0.011	PIANO	11.500	0.138	0.730	CERRADO
	C - 91	1.000	0.014	INOXIDABLE	19.000	280.000	0.990	CERRADO
	C - 92	1.000	0.016	PIANO	15.500	0.264	2.540	CERRADO
	C - 93	1.000	0.028	PIANO	20.250	0.595	23.090	CERRADO
	C - 94	1.063	0.010	PIANO	20.000	0.210	0.260	CERRADO
C - 95	1.250	0.035	PIANO	20.000	0.735	67.650	CERRADO	
C - 96	1.375	0.016	PIANO	20.750	0.348	1.830	CERRADO	
C - 97	1.375	0.028	PIANO	27.750	0.805	16-320	CERRADO	
C - 98	1.750	0.016	PIANO	26.000	0.432	1.430	CERRADO	
C - 99	1.750	0.028	PIANO	32.250	1.015	12.670	CERRADO	
0.172	C - 100	1.188	0.029	INOXIDABLE	4.750	0.086	13.330	CERR. Y ESM.
	C - 101	1.188	0.010	INOXIDABLE	4.500	0.055	1.180	CERRADO
	C - 102	0.250	0.020	INOXIDABLE	5.500	0.130	16.270	CERRADO
	C - 103	0.281	0.008	PIANO	7.500	0.068	24.000	CERRADO
	C - 104	0.281	0.032	INOXIDABLE	5.500	0.176	136.480	CERR. Y ESM.
	C - 105	0.313	0.012	PIANO	7.000	0.084	1.460	CERR. Y ESM.
	C - 106	0.375	0.012	INOXIDABLE	8.000	0.108	1.050	CERRADO
	C - 107	0.406	0.038	PIANO	8.000	0.304	207.620	CERR. Y ESM.
	C - 108	0.500	0.016	INOXIDABLE	9.000	0.160	3.080	CERRADO
	C - 109	0.500	0.022	PIANO	11.000	0.242	11.090	CERR. Y ESM.
	C - 110	0.625	0.018	INOXIDABLE	15.000	0.288	2.760	CERRADO
	C - 111	0.750	0.014	INOXIDABLE	16.000	0.238	0.870	CERRADO

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0.156	C – 112	0.750	0.016	INOXIDABLE	13.000	0.224	2.260	CERR. Y ESM.
	C – 113	0.750	0.020	PIANO	10.500	0.230	6.700	CERRADO
	C – 114	1.000	0.012	PIANO	12.000	0.156	0.730	CERRADO
	C – 115	1.250	0.016	PIANO	17.000	0.288	1.650	CERRADO
	C – 116	1.938	0.018	PIANO	41.000	0.756	0.920	CERRADO
	C – 117	0.250	0.022	PIANO	4.500	0.121	26.070	CERRADO
0.188	C – 118	0.250	0.028	INOXIDABLE	5.000	0.140	63.710	CERR. Y ESM.
	C – 119	0.313	0.019	INOXIDABLE	4.000	0.095	17.180	CERRADO
	C – 120	0.344	0.016	INOXIDABLE	6.500	0.120	3.640	CERRADO
	C – 121	0.375	0.012	PIANO	7.000	0.096	1.110	CERRADO
	C – 122	0.375	0.019	PIANO	6.500	0.124	8.780	CERRADO
	C – 123	0.375	0.022	PIANO	5.000	0.132	24.990	CERRADO
	C – 124	0.375	0.028	INOXIDABLE	6.500	0.210	42.480	CERR. Y ESM.
	C – 125	0.375	0.032	PIANO	6.000	0.224	101.190	CERRADO
	C – 126	0.438	0.013	PIANO	7.000	0.104	1.560	CERRADO
	C – 127	0.469	0.012	INOXIDABLE	6.250	0.087	1.140	CERRADO
	C – 128	0.500	0.014	INOXIDABLE	12.000	0.182	0.930	CERRADO
	C – 129	0.500	0.017	PIANO	12.500	0.230	2.330	CERRADO
	C – 130	0.500	0.020	PIANO	8.000	0.180	8.230	CERRADO
	C – 131	0.500	0.021	INOXIDABLE	8.000	0.189	9.030	CERRADO
	C – 132	0.500	0.022	PIANO	11.000	0.242	8.330	CERR. Y ESM.
	C – 133	0.500	0.023	PIANO	10.000	0.253	11.400	CERRADO
	C – 134	0.563	0.012	PIANO	8.000	0.108	0.930	CERRADO
	C – 135	0.563	0.022	INOXIDABLE	6.500	0.143	14.490	CERRADO
	C – 136	0.563	0.023	PIANO	10.000	0.253	11.400	CERRADO
	C – 137	0.625	0.012	INOXIDABLE	11.000	0.144	0.540	CERRADO
	C – 138	0.625	0.015	PIANO	10.125	0.152	1.760	CERR. Y ESM.
	C – 139	0.625	0.022	INOXIDABLE	10.000	0.242	8.150	CERRADO
	C – 140	0.625	0.032	INOXIDABLE	11.250	0.392	38.050	CERRADO
	C – 141	0.656	0.024	PIANO	10.500	0.252	12.960	CERRADO
	C – 142	0.750	0.011	INOXIDABLE	9.000	0.110	0.480	CERRADO
	C – 143	0.750	0.018	INOXIDABLE	13.000	0.252	2.470	CERRADO
	C – 144	0.750	0.030	INOXIDABLE	15.500	0.465	19.770	CERR. Y ESM.
	C – 145	0.781	0.012	INOXIDABLE	9.000	0.120	0.690	CERRADO
	C – 146	0.813	0.023	PIANO	12.750	0.316	8.480	CERRADO
	C – 147	0.875	0.016	PIANO	16.000	0.272	1.350	CERRADO
C – 148	0.875	0.023	INOXIDABLE	10.000	0.253	9.910	CERRADO	

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0.188	C – 149	1.000	0.013	PIANO	9.750	0.140	1.010	CERRADO
	C – 150	1.000	0.016	PIANO	11.500	0.200	1.980	CERRADO
	C – 151	1.000	0.018	PIANO	12.500	0.243	2.980	CERRADO
	C – 152	1.000	0.020	PIANO	13.500	0.290	4.290	CERRADO
	C – 153	1.000	0.023	PIANO	14.750	0.362	7.150	CERRADO
	C – 154	1.000	0.025	PIANO	15.000	0.375	10.160	CERR. Y ESM.
	C – 155	1.000	0.018	PIANO	16.250	0.483	15.430	CERRADO
	C – 156	1.063	0.015	PIANO	19.000	0.300	0.730	CERRADO
	C – 157	1.125	0.034	PIANO	17.000	0.612	35.760	CERRADO
	C – 158	1.219	0.030	PIANO	21.000	0.630	15.850	CERR. Y ESM.
	C – 159	1.375	0.013	PIANO	12.750	0.179	0.720	CERRADO
	C – 160	1.375	0.160	PIANO	15.250	0.260	1.420	CERRADO
	C – 161	1.375	0.017	PIANO	17.000	0.306	1.630	CERRADO
	C – 162	1.375	0.018	PIANO	16.750	0.320	2.120	CERRADO
	C – 163	1.375	0.180	INOXIDABLE	16.500	0.315	1.870	CERRADO
	C – 164	1.375	0.020	PIANO	18.000	0.380	3.090	CERRADO
	C – 165	1.375	0.023	PIANO	20.000	0.483	5.070	CERRADO
	C – 166	1.375	0.028	PIANO	22.250	0.651	2.290	CERRADO
	C – 167	1.500	0.020	PIANO	25.000	0.520	2.150	CERRADO
	C – 168	1.750	0.013	PIANO	15.750	0.218	0.570	CERRADO
	C – 169	1.750	0.016	PIANO	19.000	0.320	1.110	CERRADO
	C – 170	1.750	0.018	PIANO	20.750	0.392	1.670	CERRADO
	C – 171	1.750	0.020	PIANO	22.750	0.475	2.380	CERRADO
	C – 172	1.750	0.023	PIANO	25.000	0.598	3.970	CERRADO
C – 173	1.750	0.028	PIANO	28.000	0.812	8.450	CERRADO	
0.203	C – 174	0.281	0.030	INOXIDABLE	5.000	0.150	65.180	CERR. Y ESM.
	C – 175	0.313	0.030	PIANO	4.250	0.158	99.950	CERRADO
	C – 176	0.375	0.020	INOXIDABLE	8.000	0.160	5.440	CERR. Y ESM.
	C – 177	0.750	0.019	PIANO	7.5000	0.162	5.470	CERRADO
	C – 178	1.000	0.026	PIANO	15.5000	0.429	8.780	CERRADO
0.219	C – 179	0.219	0.020	INOXIDABLE	4.000	0.100	12.940	CERRADO
	C – 180	0.313	0.013	INOXIDABLE	4.500	0.072	1.630	CERRADO
	C – 181	0.313	0.026	INOXIDABLE	5.000	0.130	27.020	CERR. Y ESM.
	C – 182	0.375	0.017	PIANO	5.000	0.102	4.860	CERRADO
	C – 183	0.500	0.020	PIANO	7.750	0.175	5.080	CERRADO
	C – 184	0.500	0.025	INOXIDABLE	8.000	0.200	11.150	CERRADO
	C – 185	0.531	0.032	INOXIDABLE	11.000	0.352	22.270	CERR. Y ESM.



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0.219	C – 186	0.688	0.040	PIANO	11.000	0.440	71.290	CERR. Y ESM.
	C – 187	0.750	0.022	PIANO	10.000	0.242	5.510	CERRADO
	C – 188	0.813	0.045	PIANO	11.500	0.563	117.780	CERRADO
	C – 189	0.875	0.022	INOXIDABLE	11.000	0.264	4.260	CERRADO
	C – 190	1.000	0.016	PIANO	9.000	0.160	1.610	CERRADO
	C – 191	1.000	0.018	PIANO	9.750	0.194	2.400	CERRADO
	C – 192	1.000	0.020	PIANO	10.750	0.235	3.340	CERRADO
	C – 193	1.000	0.023	PIANO	11.750	0.293	5.480	CERRADO
	C – 194	1.000	0.024	INOXIDABLE	13.000	0.336	5.080	CERRADO
	C – 195	1.000	0.028	PIANO	13.250	0.390	11.270	CERRADO
	C – 196	1.375	0.016	PIANO	11.750	0.204	1.160	CERRADO
	C – 197	1.375	0.018	PIANO	12.750	0.248	1.730	CERRADO
	C – 198	1.375	0.020	PIANO	14.250	0.305	2.380	CERRADO
	C – 199	1.375	0.023	PIANO	15.750	0.385	3.890	CERRADO
	C – 200	1.375	0.028	PIANO	17.750	0.525	8.050	CERRADO
	C – 201	1.750	0.016	PIANO	14.500	0.248	0.900	CERRADO
	C – 202	1.750	0.018	PIANO	16.000	0.306	1.330	CERRADO
	C – 203	1.750	0.020	PIANO	17.750	0.375	1.850	CERRADO
	C – 204	1.750	0.023	PIANO	19.750	0.477	3.010	CERRADO
	C – 205	1.750	0.028	PIANO	22.500	0.658	6.190	CERRADO
0.234	C – 206	0.250	0.020	INOXIDABLE	4.000	0.100	10.200	CERRADO
	C – 207	0.313	0.029	PIANO	5.000	0.145	39.340	CERR. Y ESM.
	C – 208	0.375	0.013	INOXIDABLE	11.500	0.163	0.350	CERRADO
	C – 209	0.375	0.043	INOXIDABLE	5.500	0.237	175.230	CERR. Y ESM.
	C – 210	0.500	0.021	INOXIDABLE	6.000	0.147	6.290	CERRADO
	C – 211	0.500	0.022	INOXIDABLE	6.000	0.132	7.840	CERR. Y ESM.
	C – 212	0.500	0.022	PIANO	6.000	0.132	8.840	CERR. Y ESM.
	C – 213	0.500	0.041	PIANO	6.000	0.246	141.260	CERR. Y ESM.
	C – 214	0.531	0.011	PIANO	5.000	0.066	0.630	CERRADO
	C – 215	0.531	0.014	INOXIDABLE	8.000	0.126	0.770	CERRADO
	C – 216	0.563	0.021	INOXIDABLE	5.000	0.126	8.390	CERRADO
	C – 217	0.656	0.026	INOXIDABLE	9.000	0.260	9.250	CERRADO
	C – 218	0.688	0.020	INOXIDABLE	14.000	0.300	1.700	CERRADO
	C – 219	0.719	0.033	INOXIDABLE	11.000	0.396	20.690	CERRADO
	C – 220	0.750	0.015	PIANO	17.000	0.270	0.460	CERRADO
	C – 221	0.813	0.022	INOXIDABLE	11.000	0.242	3.410	CERR. Y ESM.
	C – 222	0.875	0.027	PIANO	8.500	0.257	13.250	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.234	C - 223	1.000	0.016	PIANO	13.000	0.224	0.830	CERRADO
	C - 224	1.000	0.016	INOXIDABLE	11.000	0.192	0.880	CERRADO
	C - 225	1.000	0.024	PIANO	13.000	0.336	4.680	CERRADO
	C - 226	1.250	0.024	INOXIDABLE	17.500	0.444	2.890	CERRADO
	C - 227	1.500	0.014	INOXIDABLE	11.000	0.168	0.500	CERRADO
	C - 228	1.813	0.023	INOXIDABLE	20.000	0.483	2.070	CERRADO
	C - 229	2.250	0.015	PIANO	26.000	0.405	0.290	CERRADO
	C - 230	0.250	0.015	PIANO	4.500	0.083	2.240	CERRADO
	C - 231	0.250	0.025	PIANO	5.000	0.150	16.430	CERRADO
	C - 232	0.281	0.018	PIANO	5.000	0.108	4.030	CERRADO
	C - 233	0.313	0.020	INOXIDABLE	5.000	0.100	5.480	CERRADO
	C - 234	0.375	0.020	INOXIDABLE	6.500	0.150	3.650	CERRADO
	0.250	C - 235	0.375	0.024	PIANO	6.000	0.168	10.330
C - 236		0.375	0.026	PIANO	5.000	0.156	19.480	CERRADO
C - 237		0.375	0.032	INOXIDABLE	5.000	0.160	42.170	CERR. Y ESM.
C - 238		0.375	0.035	PIANO	6.000	0.210	54.260	CERR. Y ESM.
C - 239		0.438	0.014	PIANO	6.000	0.098	1.050	CERRADO
C - 240		0.438	0.022	PIANO	5.500	0.143	8.120	CERRADO
C - 241		0.500	0.034	PIANO	6.500	0.255	42.300	CERRADO
C - 242		0.500	0.041	PIANO	7.250	0.338	84.750	CERRADO
C - 243		0.500	0.054	INOXIDABLE	6.000	0.324	352.900	CERR. Y ESM.
C - 244		0.531	0.037	PIANO	6.000	0.222	69.700	CERR. Y ESM.
C - 245		0.531	0.039	INOXIDABLE	7.750	0.302	53.540	CERR. Y ESM.
C - 246		0.563	0.032	PIANO	7.500	0.272	26.450	CERR. Y ESM.
C - 247		0.625	0.014	INOXIDABLE	5.750	0.095	0.990	CERRADO
C - 248		0.625	0.034	PIANO	9.000	0.340	27.230	CERRADO
C - 249		0.656	0.031	PIANO	8.000	0.279	21.070	CERRADO
C - 250		0.688	0.020	INOXIDABLE	7.000	0.160	3.290	CERRADO
C - 251		0.750	0.032	PIANO	10.000	0.352	18.190	CERRADO
C - 252		0.750	0.032	INOXIDABLE	9.750	0.344	16.320	CERRADO
C - 253		0.813	0.010	INOXIDABLE	11.000	0.120	0.100	CERRADO
C - 254		0.813	0.063	INOXIDABLE	10.000	0.630	376.410	CERR. Y ESM.
C - 255		0.875	0.034	PIANO	11.000	0.374	21.180	CERR. Y ESM.
C - 256		0.875	0.041	PIANO	11.000	0.492	49.440	CERRADO
C - 257		0.875	0.068	PIANO	8.000	0.544	849.720	CERR. Y ESM.
C - 258	0.938	0.050	INOXIDABLE	11.500	0.575	102.800	CERR. Y ESM.	
C - 259	1.000	0.020	PIANO	8.750	0.195	2.800	CERRADO	

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.250	C – 260	1.000	0.032	INOXIDABLE	12.750	0.440	11.770	CERRADO
	C – 261	1.000	0.035	PIANO	12.250	0.464	21.180	CERRADO
	C – 262	1.063	0.020	INOXIDABLE	10.000	0.220	2.050	CERRADO
	C – 263	1.125	0.014	INOXIDABLE	17.750	0.263	0.230	CERRADO
	C – 264	1.125	0.017	PIANO	11.500	0.213	1.000	CERRADO
	C – 265	1.125	0.026	PIANO	10.500	0.299	6.880	CERRADO
	C – 266	1.250	0.023	PIANO	13.500	0.334	2.990	CERRADO
	C – 267	1.250	0.042	INOXIDABLE	17.000	0.756	28.820	CERRADO
	C – 268	1.375	0.020	PIANO	11.500	0.250	1.990	CERRADO
	C – 269	1.375	0.028	PIANO	15.500	0.462	5.980	CERRADO
	C – 270	1.375	0.035	INOXIDABLE	16.500	0.613	14.970	CERRADO
	C – 271	1.406	0.020	PIANO	16.250	0.345	1.330	CERRADO
	C – 172	1.500	0.034	PIANO	20.750	0.740	10.170	CERRADO
	C – 273	1.500	0.042	PIANO	20.500	0.903	23.360	CERRADO
	C – 274	1.500	0.047	INOXIDABLE	20.000	0.940	40.510	CERRADO
	C – 275	1.750	0.020	PIANO	16.750	0.355	1.280	CERRADO
	C – 276	1.750	0.020	INOXIDABLE	17.000	0.360	1.100	CERRADO
	C – 277	1.750	0.035	PIANO	20.750	0.761	11.580	CERRADO
	C – 278	2.000	0.018	PIANO	24.000	0.450	0.550	CERRADO
	C – 279	2.000	0.025	PIANO	20.000	0.525	2.740	CERRADO
C – 280	2.250	0.029	PIANO	32.000	0.957	3.140	CERRADO	
0.266	C – 281	0.281	0.015	INOXIDABLE	5.000	0.090	1.380	CERRADO
	C – 282	0.313	0.035	PIANO	5.000	0.175	59.100	CERR. Y ESM.
	C – 283	0.375	0.028	INOXIDABLE	5.000	0.140	19.240	CERR. Y ESM.
	C – 284	0.375	0.032	INOXIDABLE	5.000	0.160	34.540	CERR. Y ESM.
	C – 285	0.563	0.032	PIANO	7.000	0.224	23.830	CERR. Y ESM.
	C – 286	0.594	0.047	INOXIDABLE	6.000	0.282	150.130	CERR. Y ESM.
	C – 287	0.625	0.031	INOXIDABLE	5.000	0.186	30.030	CERRADO
	C – 288	0.656	0.029	PIANO	8.000	0.261	12.890	CERRADO
	C – 289	0.750	0.014	PIANO	8.000	0.126	0.580	CERRADO
	C – 290	0.750	0.035	INOXIDABLE	11.000	0.385	17.130	CERR. Y ESM.
	C – 291	1.000	0.032	INOXIDABLE	13.000	0.448	9.420	CERRADO
0.281	C – 292	0.375	0.040	PIANO	5.500	0.260	75.120	CERRADO
	C – 293	0.438	0.040	PIANO	6.000	0.280	65.730	CERRADO
	C – 294	0.563	0.052	INOXIDABLE	6.500	0.338	169.120	CERR. Y ESM.
	C – 295	0.594	0.048	INOXIDABLE	8.000	0.384	89.180	CERR. Y ESM.
	C – 296	0.750	0.028	PIANO	8.000	0.224	9.090	CERR. Y ESM.

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUELTAS TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.250	C – 297	1.000	0.032	INOXIDABLE	12.750	0.440	11.770	CERRADO
	C – 298	1.000	0.035	PIANO	12.250	0.464	21.180	CERRADO
	C – 299	1.063	0.020	INOXIDABLE	10.000	0.220	2.050	CERRADO
	C – 200	1.125	0.014	INOXIDABLE	17.750	0.263	0.230	CERRADO
	C – 301	1.125	0.017	PIANO	11.500	0.213	1.000	CERRADO
	C – 302	1.125	0.026	PIANO	10.500	0.299	6.880	CERRADO
	C – 303	1.250	0.023	PIANO	13.500	0.334	2.990	CERRADO
	C – 304	1.250	0.042	INOXIDABLE	17.000	0.756	28.820	CERRADO
	C – 305	1.375	0.020	PIANO	11.500	0.250	1.990	CERRADO
	C – 306	1.375	0.028	PIANO	15.500	0.462	5.980	CERRADO
	C – 307	1.375	0.035	INOXIDABLE	16.500	0.613	14.970	CERRADO
	C – 308	1.406	0.020	PIANO	16.250	0.345	1.330	CERRADO
	C – 309	1.500	0.034	PIANO	20.750	0.740	10.170	CERRADO
	C – 310	1.500	0.042	PIANO	20.500	0.903	23.360	CERRADO
	C – 311	1.500	0.047	INOXIDABLE	20.000	0.940	40.510	CERRADO
	C – 312	1.750	0.020	PIANO	16.750	0.355	1.280	CERRADO
0.297	C – 313	0.469	0.026	INOXIDABLE	4.750	0.124	10.440	CERR. Y ESM.
	C – 314	0.500	0.022	PIANO	5.000	0.132	5.400	CERRADO
	C – 315	0.500	0.042	INOXIDABLE	5.500	0.231	67.020	CERR. Y ESM.
	C – 316	0.500	0.051	INOXIDABLE	6.000	0.306	144.850	CERR. Y ESM.
	C – 317	0.625	0.013	PIANO	7.500	0.111	0.330	CERRADO
	C – 318	0.625	0.034	PIANO	7.000	0.272	21.120	CERRADO
	C – 319	0.625	0.047	PIANO	7.000	0.376	89.790	CERRADO
	C – 320	0.813	0.018	PIANO	9.000	0.180	0.990	CERRADO
	C – 321	0.844	0.020	PIANO	8.750	0.195	1.600	CERRADO
	C – 322	0.875	0.018	PIANO	11.500	0.225	0.730	CERRADO
	C – 323	0.875	0.024	INOXIDABLE	11.500	0.300	2.150	CERRADO
	C – 324	1.125	0.014	INOXIDABLE	23.000	0.336	0.100	CERRADO
	C – 325	1.719	0.062	PIANO	15.000	0.992	125.900	CERRADO
	C – 326	1.875	0.062	PIANO	17.000	1.054	109.110	CERR. Y ESM.
0.313	C – 327	0.219	0.026	INOXIDABLE	3.500	0.117	16.600	CERRADO
	C – 328	0.313	0.120	INOXIDABLE	5.750	0.081	0.260	CERRADO
	C – 329	0.313	0.055	INOXIDABLE	4.000	0.220	343.660	CERR. Y ESM.
	C – 330	0.375	0.024	INOXIDABLE	5.000	0.144	5.790	CERRADO
	C – 331	0.500	0.015	PIANO	7.500	0.128	0.510	CERRADO
	C – 332	0.500	0.028	PIANO	5.000	0.140	12.860	CERR. Y ESM.
	C – 333	0.500	0.037	PIANO	5.500	0.204	37.010	CERR. Y ESM.

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL	
0.313	C – 334	0.563	0.015	INOXIDABLE	7.500	0.128	0.440	CERRADO	
	C – 335	0.625	0.026	PIANO	6.000	0.182	7.020	CERRADO	
	C – 336	0.625	0.028	PIANO	5.500	0.182	11.020	CERRADO	
	C – 337	0.625	0.054	INOXIDABLE	7.000	0.378	123.780	CERR. Y ESM.	
	C – 338	0.625	0.062	INOXIDABLE	6.250	0.388	278.140	CERR. Y ESM.	
	C – 339	0.750	0.032	PIANO	7.250	0.264	13.080	CERRADO	
	C – 340	0.781	0.047	INOXIDABLE	8.000	0.376	55.720	CERR. Y ESM.	
	C – 341	0.875	0.062	INOXIDABLE	9.500	0.589	160.770	CERR. Y ESM.	
	C – 342	1.000	0.016	PIANO	5.750	0.108	0.970	CERRADO	
	C – 343	1.000	0.017	PIANO	9.000	0.170	0.670	CERRADO	
	C – 344	1.000	0.020	PIANO	6.500	0.150	2.050	CERRADO	
	C – 345	1.000	0.035	PIANO	9.000	0.350	14.500	CERRADO	
	C – 346	1.063	0.018	INOXIDABLE	14.000	0.270	0.430	CERRADO	
	C – 347	1.125	0.035	INOXIDABLE	14.000	0.490	7.350	CERR. Y ESM.	
	C – 348	1.250	0.041	PIANO	14.000	0.615	17.010	CERRADO	
	C – 349	1.375	0.016	PIANO	11.000	0.192	0.400	CERRADO	
	C – 350	1.375	0.031	PIANO	13.500	0.450	5.200	CERRADO	
	C – 351	1.500	0.023	PIANO	11.250	0.282	1.800	CERRADO	
	C – 352	1.500	0.034	PIANO	15.250	0.553	6.750	CERRADO	
	C – 353	1.500	0.047	PIANO	15.000	0.752	28.990	CERRADO	
	C – 354	1.750	0.016	PIANO	11.250	0.196	0.390	CERRADO	
	C – 355	1.781	0.032	PIANO	13.333	0.459	6.060	CERRADO	
	C – 356	2.000	0.047	PIANO	23.250	1.140	17.740	CERRADO	
	C – 357	2.000	0.047	INOXIDABLE	18.250	0.905	20.170	CERRADO	
	C – 358	2.000	0.054	PIANO	18.000	1.026	44.480	CERRADO	
	C – 359	2.125	0.040	PIANO	20.000	0.840	10.160	CERRADO	
	C – 360	2.750	0.026	INOXIDABLE	30.250	0.813	0.860	CERRADO	
	C – 361	4.000	0.048	PIANO	30.000	1.488	14.810	CERRADO	
	0.328	C – 362	0.375	0.029	INOXIDABLE	6.000	0.174	8.270	CERR. Y ESM.
		C – 363	0.406	0.024	INOXIDABLE	5.000	0.144	4.920	CERRADO
		C – 364	0.438	0.036	PIANO	4.000	0.176	51.720	CERRADO
		C – 365	0.625	0.025	PIANO	7.000	0.200	4.040	CERRADO
		C – 366	0.750	0.028	INOXIDABLE	8.000	0.252	4.740	CERRADO
C – 367		0.750	0.035	PIANO	9.000	0.350	12.250	CERRADO	
C – 368		0.875	0.032	PIANO	9.000	0.320	8.300	CERRADO	
C – 369		1.000	0.023	PIANO	12.000	0.299	1.420	CERRADO	
C – 370		1.250	0.032	INOXIDABLE	11.500	0.400	5.320	CERRADO	

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.328	C – 371	1.375	0.091	PIANO	11.000	1.001	822.780	CERR. Y ESM.
	C – 372	0.313	0.034	PIANO	3.000	0.136	65.110	CERRADO
	C – 373	0.375	0.014	PIANO	5.000	0.084	0.520	CERRADO
	C – 374	0.375	0.025	INOXIDABLE	4.000	0.125	7.590	CERRADO
	C – 375	0.375	0.056	INOXIDABLE	4.500	0.252	212.170	CERR. Y ESM.
	C – 376	0.500	0.032	INOXIDABLE	5.250	0.200	13.410	CERRADO
	C – 377	0.531	0.042	INOXIDABLE	6.000	0.252	35.660	CERR. Y ESM.
	C – 378	0.688	0.041	INOXIDABLE	7.500	0.308	23.320	CERR. Y ESM.
	C – 379	0.750	0.059	PIANO	8.500	0.485	99.790	CERR. Y ESM.
	C – 380	0.875	0.030	INOXIDABLE	7.500	0.255	6.000	CERRADO
	C – 381	0.875	0.035	INOXIDABLE	10.500	0.368	7.550	CERR. Y ESM.
	C – 382	1.000	0.041	PIANO	10.250	0.461	17.880	CERRADO
	C – 383	1.000	0.041	INOXIDABLE	12.000	0.533	12.820	CERRADO
	C – 384	1.063	0.037	INOXIDABLE	11.500	0.426	8.610	CERR. Y ESM.
	C – 385	1.063	0.040	PIANO	9.000	0.360	18.900	CERR. Y ESM.
	C – 386	1.375	0.024	INOXIDABLE	10.000	0.264	1.600	CERRADO
	C – 387	1.500	0.047	PIANO	14.000	0.705	22.540	CERRADO
	C – 388	1.906	0.058	PIANO	16.000	0.928	50.190	CERR. Y ESM.
	C – 389	2.000	0.032	PIANO	18.000	0.608	3.130	CERRADO
	C – 390	0.406	0.055	PIANO	4.500	0.248	187.280	CERR. Y ESM.
0.359	C – 391	0.500	0.025	PIANO	4.000	0.125	7.540	CERRADO
	C – 392	0.688	0.040	INOXIDABLE	7.000	0.280	19.720	CERR. Y ESM.
	C – 393	0.750	0.032	PIANO	6.000	0.192	10.780	CERRADO
	C – 394	0.750	0.040	INOXIDABLE	7.000	0.320	19.720	CERRADO
	C – 395	0.875	0.047	INOXIDABLE	7.500	0.353	36.520	CERR. Y ESM.
	C – 396	0.938	0.015	INOXIDABLE	9.000	0.150	2.200	CERRADO
	C – 397	0.938	0.105	INOXIDABLE	8.000	0.840	1,576.210	CERR. Y ESM.
	C – 398	1.125	0.029	PIANO	6.500	0.203	4.640	CERRADO
	C – 399	1.125	0.062	PIANO	10.000	0.620	101.350	CERR. Y ESM.
	0.375	C – 400	0.375	0.041	INOXIDABLE	5.000	0.205	31.600
C – 401		0.406	0.030	INOXIDABLE	3.250	0.128	20.120	CERRADO
C – 402		0.500	0.020	PIANO	4.500	0.110	2.060	CERRADO
C – 403		0.500	0.047	PIANO	4.000	0.235	99.390	CERRADO
C – 404		0.500	0.083	PIANO	4.500	0.374	1,096.050	CERR. Y ESM.
C – 405		0.531	0.047	PIANO	5.000	0.282	66.260	CERRADO
C – 406		0.531	0.080	PIANO	5.250	0.420	705.700	CERR. Y ESM.
C – 407		0.563	0.015	INOXIDABLE	5.000	0.090	0.450	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL	
0.375	C - 408	0.594	0.026	PIANO	8.500	0.247	2.380	CERRADO	
	C - 409	0.594	0.037	INOXIDABLE	6.000	0.222	15.470	CERR. Y ESM.	
	C - 410	0.625	0.030	PIANO	8.000	0.240	4.730	CERR. Y ESM.	
	C - 411	0.625	0.043	PIANO	6.000	0.258	33.570	CERR. Y ESM.	
	C - 412	0.625	0.047	PIANO	6.333	0.345	45.880	CERRADO	
	C - 413	0.625	0.062	PIANO	6.333	0.455	159.860	CERRADO	
	C - 414	0.750	0.031	PIANOPIANO	6.250	0.225	7.670	CERRADO	
	C - 415	0.750	0.041	PIANO	6.750	0.318	22.950	CERRADO	
	C - 416	0.750	0.054	PIANO	7.500	0.459	67.190	CERRADO	
	C - 417	0.844	0.045	PIANO	7.500	0.383	29.820	CERRADO	
	C - 418	0.875	0.023	PIANO	5.500	0.150	2.640	CERRADO	
	C - 419	0.875	0.031	PIANO	12.000	0.403	3.260	CERRADO	
	C - 420	0.875	0.032	INOXIDABLE	6.500	0.240	7.220	CERRADO	
	C - 421	0.938	0.045	PIANO	9.000	0.450	23.430	CERRADO	
	C - 422	1.000	0.032	INOXIDABLE	7.250	0.264	6.190	CERRADO	
	C - 423	1.000	0.042	PIANO	9.000	0.425	17.000	CERRADO	
	C - 424	1.125	0.041	PIANO	10.250	0.461	13.210	CERRADO	
	C - 425	1.375	0.072	INOXIDABLE	10.500	0.756	142.070	CERR. Y ESM.	
	C - 426	1.500	0.025	PIANO	9.500	0.263	1.750	CERRADO	
	C - 427	1.500	0.028	PIANO	10.000	0.308	2.640	CERRADO	
	C - 428	1.500	0.029	INOXIDABLE	12.000	0.377	2.130	CERRADO	
	C - 429	1.500	0.045	INOXIDABLE	14.000	0.630	11.890	CERR. Y ESM.	
	C - 430	1.500	0.056	PIANO	15.000	0.840	33.500	CERR. Y ESM.	
	C - 431	1.563	0.400	PIANO	13.500	0.580	8.510	CERRADO	
	C - 432	1.750	0.034	PIANO	15.000	0.544	3.730	CERRADO	
	C - 433	1.750	0.041	PIANO	15.250	0.666	8.230	CERRADO	
	C - 434	2.000	0.041	PIANO	17.250	0.748	7.150	CERRADO	
	C - 435	2.000	0.047	PIANO	18.750	0.924	11.930	CERRADO	
	C - 436	2.000	0.050	PIANO	17.000	0.850	17.450	CERR. Y ESM.	
	C - 437	2.250	0.062	PIANO	22.500	1.457	33.790	CERRADO	
	C - 438	2.375	0.024	PIANO	13.000	0.336	1.000	CERRADO	
	C - 439	3.344	0.038	PIANO	31.333	1.229	2.670	CERRADO	
	C - 440	9.000	0.047	PIANO	81.500	3.878	2.500	CERRADO	
	C - 441	12.000	0.062	PIANO	119.000	7.440	5.920	CERRADO	
	0.391	C - 442	0.500	0.040	INOXIDABLE	5.000	0.200	24.880	CERR. Y ESM.
		C - 443	0.500	0.085	INOXIDABLE	4.500	0.383	919.910	CERR. Y ESM.
		C - 444	0.750	0.040	INOXIDABLE	8.000	0.360	12.440	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.391	C - 445	1.063	0.064	PIANO	9.000	0.576	99.440	CERR. Y ESM.
	C - 446	2.250	0.032	INOXIDABLE	16.000	0.544	2.040	CERRADO
	C - 447	3.250	0.051	INOXIDABLE	23.500	1.254	10.100	CERRADO
	C - 448	0.375	0.019	INOXIDABLE	5.000	0.095	0.940	CERRADO
	C - 449	0.563	0.027	INOXIDABLE	4.500	0.149	4.880	CERRADO
0.406	C - 450	0.594	0.024	PIANO	8.000	0.216	1.430	CERRADO
	C - 451	0.875	0.021	PIANO	8.250	0.194	0.780	CERRADO
	C - 452	1.500	0.051	PIANO	12.000	0.612	21.740	CERR. Y ESM.
	C - 453	1.625	0.040	PIANO	12.500	0.540	7.150	CERRADO
	C - 454	1.750	0.062	PIANO	16.000	0.992	37.270	CERR. Y ESM.
	C - 455	2.750	0.047	PIANO	22.750	1.116	7.310	CERRADO
0.422	C - 456	0.438	0.022	INOXIDABLE	4.000	0.088	2.300	CERR. Y ESM.
	C - 457	0.438	0.054	PIANO	3.500	0.189	164.850	CERR. Y ESM.
	C - 458	0.688	0.016	PIANO	4.500	0.088	0.570	CERRADO
	C - 459	0.906	0.062	INOXIDABLE	9.000	0.558	58.170	CERR. Y ESM.
	C - 460	1.000	0.072	INOXIDABLE	9.000	0.648	112.890	CERR. Y ESM.
	C - 461	2.375	0.030	PIANO	15.000	0.480	1.500	CERRADO
0.438	C - 462	0.313	0.015	INOXIDABLE	6.000	0.105	0.210	CERRADO
	C - 463	0.563	0.032	PIANO	4.250	0.168	10.010	CERRADO
	C - 464	0.750	0.028	PIANO	5.000	0.168	4.270	CERRADO
	C - 465	0.875	0.055	INOXIDABLE	7.000	0.440	40.720	CERRADO
	C - 466	0.875	0.072	PIANO	7.000	0.504	157.590	CERR. Y ESM.
	C - 467	1.063	0.041	PIANO	7.750	0.359	11.290	CERRADO
	C - 468	1.500	0.020	PIANO	6.500	0.150	0.700	CERRADO
	C - 469	1.500	0.044	INOXIDABLE	9.500	0.418	10.210	CERR. Y ESM.
	C - 470	1.688	0.075	PIANO	13.000	0.975	86.450	CERR. Y ESM.
	C - 471	1.875	0.034	PIANO	11.500	0.425	3.070	CERRADO
	C - 472	2.000	0.054	PIANO	15.500	0.891	15.990	CERRADO
	C - 473	2.125	0.031	PIANO	11.750	0.393	2.040	CERRADO
	C - 474	2.125	0.042	PIANO	14.000	0.630	6.000	CERRADO
	C - 475	2.250	0.041	PIANO	15.250	0.670	4.870	CERRADO
C - 476	3.000	0.047	PIANO	15.000	0.752	9.030	CERRADO	
0.453	C - 477	0.656	0.066	PIANO	6.000	0.396	117.650	CERR. Y ESM.
	C - 478	1.500	0.029	INOXIDABLE	8.500	0.276	1.780	CERRADO
0.469	C - 479	0.438	0.056	PIANO	3.000	0.168	202.150	CERR. Y ESM.
	C - 480	0.625	0.035	INOXIDABLE	4.500	0.193	9.240	CERRADO
	C - 481	0.750	0.030	PIANO	5.500	0.1950	3.960	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.469	C - 482	0.813	0.030	INOXIDABLE	6.000	0.180	3.010	CERR. Y ESM.
	C - 483	1.125	0.035	PIANO	6.000	0.245	6.640	CERRADO
	C - 484	1.250	0.062	PIANO	9.000	0.558	45.340	CERR. Y ESM.
	C - 485	1.500	0.035	INOXIDABLE	9.000	0.350	3.300	CERRADO
	C - 486	2.000	0.025	INOXIDABLE	13.000	0.350	0.510	CERRADO
	C - 487	2.000	0.048	PIANO	13.000	0.624	9.360	CERR. Y ESM.
	C - 488	2.500	0.054	PIANO	18.250	1.040	10.600	CERRADO
	C - 489	2.625	0.036	INOXIDABLE	15.000	0.576	2.000	CERRADO
0.484	C - 490	0.250	0.048	PIANO	3.000	0.144	92.070	CERR. Y ESM.
	C - 491	0.406	0.060	PIANO	3.500	0.210	162.940	CERR. Y ESM.
	C - 492	0.875	0.062	PIANO	8.000	0.496	47.110	CERR. Y ESM.
	C - 493	1.063	0.092	INOXIDABLE	7.500	0.690	270.300	CERR. Y ESM.
	C - 494	1.625	0.080	PIANO	12.500	1.000	85.040	CERR. Y ESM.
	C - 495	2.250	0.045	PIANO	12.500	0.563	6.640	CERR. Y ESM.
0.500	C - 496	0.375	0.018	PIANO	5.000	0.108	0.450	CERRADO
	C - 497	0.375	0.072	PIANO	3.000	0.288	492.730	CERRADO
	C - 498	0.500	0.019	PIANO	5.000	0.114	0.560	CERRADO
	C - 499	0.500	0.028	INOXIDABLE	4.000	0.144	3.440	CERRADO
	C - 500	0.500	0.047	INOXIDABLE	4.000	0.188	32.810	CERR. Y ESM.
	C - 501	0.750	0.031	PIANO	5.250	0.194	3.960	CERRADO
	C - 502	0.750	0.051	PIANO	6.750	0.344	22.620	CERR. Y ESM.
	C - 503	0.781	0.026	INOXIDABLE	5.750	0.150	1.460	CERR. Y ESM.
	C - 504	1.000	0.055	INOXIDABLE	6.750	0.426	27.330	CERRADO
	C - 505	1.000	0.062	PIANO	7.750	0.537	44.610	CERRADO
	C - 506	1.250	0.029	PIANO	12.000	0.377	0.970	CERRADO
	C - 507	1.500	0.040	PIANO	7.000	0.320	7.560	CERRADO
	C - 508	1.500	0.041	PIANO	10.000	0.451	5.250	CERRADO
	C - 509	1.500	0.055	INOXIDABLE	9.750	0.591	16.750	CERRADO
	C - 510	1.500	0.063	PIANO	11-250	0.709	29.330	CERR. Y ESM.
	C - 511	1.750	0.062	PIANO	12.750	0.853	23.510	CERRADO
	C - 512	1.750	0.072	PIANO	13.333	1.032	43.480	CERRADO
	C - 513	2.000	0.047	PIANO	12.500	0.635	7.190	CERRADO
	C - 514	2.000	0.047	PIANO	15.000	0.752	5.800	CERRADO
	C - 515	2.000	0.062	PIANO	12.500	0.775	24.070	CERR. Y ESM.
C - 516	2.000	0.072	PIANO	15.000	1.152	37.900	CERRADO	
C - 517	2.500	0.062	PIANO	18.000	1.178	15.800	CERRADO	
C - 518	2.750	0.072	PIANO	19.500	1.476	28.160	CERRADO	

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.469	C – 519	3.000	0.047	PIANO	18.250	0.905	4.640	CERRADO
	C – 520	6.500	0.054	INOXIDABLE	40.000	2.160	3.150	CERR. Y ESM.
	C – 521	0.313	0.032	PIANO	3.000	0.096	12.130	CERR. Y ESM.
	C – 522	1.500	0.035	PIANO	7.000	0.280	3.540	CERRADO
	C – 523	1.500	0.102	PIANO	9.000	0.918	281.540	CERR. Y ESM.
	C – 524	1.375	0.037	INOXIDABLE	6.500	0.278	3.950	CERRADO
	C – 525	0.656	0.093	INOXIDABLE	5.000	0.465	308.180	CERR. Y ESM.
	C – 526	1.000	0.030	PIANO	6.000	0.210	1.930	CERRADO
0.484	C – 527	1.000	0.054	PIANO	6.333	0.396	21.530	CERRADO
	C – 528	1.250	0.042	INOXIDABLE	7.750	0.368	4.910	CERRADO
	C – 529	1.375	0.025	PIANO	8.500	0.238	0.560	CERRADO
	C – 530	1.375	0.051	INOXIDABLE	10.000	0.510	7.920	CERR. Y ESM.
	C – 531	1.375	0.072	PIANO	9.250	0.738	45.290	CERRADO
	C – 532	1.500	0.062	PIANO	9.500	0.589	22.660	CERR. Y ESM.
0.500	C – 533	2.000	0.075	PIANO	12.000	0.900	39.380	CERR. Y ESM.
	C – 534	2.375	0.080	PIANO	16.000	1.360	37.560	CERRADO
	C – 535	3.000	0.054	PIANO	16.750	0.954	6.360	CERRADO
	C – 536	0.750	0.030	PIANO	5.000	0.180	2.360	CERRADO
	C – 537	2.000	0.075	PIANO	12.000	0.900	35.740	CERR. Y ESM.
	C – 538	0.750	0.039	INOXIDABLE	5.000	0.195	5.670	CERR. Y ESM.
	C – 539	0.781	0.092	INOXIDABLE	3.500	0.322	484.220	CERR. Y ESM.
	C – 540	1.250	0.044	PIANO	7.000	0.352	6.510	CERRADO
	C – 541	2.250	0.031	INOXIDABLE	9.000	0.310	0.930	CERRADO
	C – 542	3.000	0.072	INOXIDABLE	17.500	1.269	15.200	CERR. Y ESM.
	C – 543	3.500	0.072	PIANO	12.000	0.864	27.320	CERR. Y ESM.
	C – 544	0.406	0.030	PIANO	4.500	0.165	2.400	CERRADO
	C – 545	0.438	0.100	PIANO	3.000	0.300	1,090.070	CERR. Y ESM.
	C – 546	0.500	0.035	PIANO	4.000	0.140	5.700	CERR. Y ESM.
0.609	C – 547	0.750	0.035	PIANO	5.500	0.228	3.260	CERRADO
	C – 548	1.125	0.041	PIANO	5.750	0.277	5.910	CERRADO
	C – 549	1.219	0.062	INOXIDABLE	6.000	0.372	28.210	CERR. Y ESM.
	C – 550	2.375	0.135	INOXIDABLE	10.000	1.350	487.330	CERR. Y ESM.
0.625	C – 551	0.969	0.031	PIANO	5.000	0.186	2.110	CERRADO
	C – 552	1.000	0.046	PIANO	4.500	0.207	13.260	CERR. Y ESM.
	C – 553	1.125	0.072	INOXIDABLE	8.000	0.576	33.110	CERR. Y ESM.
	C – 554	1.250	0.055	INOXIDABLE	6.250	0.399	14.530	CERRADO
	C – 555	1.500	0.410	PIANO	8.000	0.369	3.400	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.469	C – 556	1.500	0.720	INOXIDABLE	8.250	0.666	31.780	CERRADO
	C – 557	1.750	0.720	PIANO	9.000	0.720	32.630	CERRADO
	C – 558	2.250	0.330	INOXIDABLE	7.000	0.231	1.430	CERR. Y ESM.
	C – 559	2.250	0.720	PIANO	13.500	1.044	19.860	CERRADO
	C – 560	2.500	0.800	PIANO	13.250	1.140	32.330	CERRADO
	C – 561	2.750	0.540	PIANO	13.250	0.770	5.840	CERRADO
	C – 562	3.000	0.470	PIANO	11.000	0.564	4.040	CERRADO
	C – 563	3.000	0.800	PIANO	15.750	1.340	26.450	CERRADO
0.484	C – 564	4.188	0.800	INOXIDABLE	20.000	1.600	17.570	CERR. Y ESM.
	C – 565	5.000	0.910	PIANO	29.000	2.639	23.980	CERR. Y ESM.
	C – 566	7.000	0.850	PIANO	34.000	2.975	14.980	CERRADO
	C – 567	9.000	0.800	PIANO	45.500	3.720	8.360	CERRADO
	C – 568	0.438	0.640	PIANO	3.000	0.192	126.200	CERR. Y ESM.
	C – 569	1.031	0.460	INOXIDABLE	4.500	0.207	10.900	CERR. Y ESM.
0.500	C – 570	1.359	0.100	PIANO	6.000	0.600	228.230	CERR. Y ESM.
	C – 571	1.000	0.440	INOXIDABLE	4.500	0.198	8.340	CERR. Y ESM.
	C – 572	1.906	0.800	INOXIDABLE	10.000	0.800	31.000	CERR. Y ESM.
	C – 573	1.219	0.630	INOXIDABLE	6.000	0.378	20.260	CERR. Y ESM.
	C – 574	1.250	0.720	PIANO	6.250	0.522	39.800	CERRADO
	C – 575	1.250	0.910	PIANO	7.250	0.751	88.690	CERRADO
	C – 576	2.500	0.560	INOXIDABLE	12.667	0.709	4.590	CERR. Y ESM.
	C – 577	3.000	0.047	PIANO	11.000	0.564	2.970	CERRADO
	C – 578	3.000	0.720	PIANO	15.500	1.188	12.300	CERRADO
	C – 579	3.625	0.720	PIANO	18.000	1.368	10.380	CERRADO
	C – 580	5.750	0.720	PIANO	27.750	2.070	6.450	CERRADO
	C – 581	6.000	0.720	PIANO	29.000	2.160	6.150	CERRADO
	C – 582	0.500	0.340	INOXIDABLE	4.250	0.179	2.480	CERRADO
	C – 583	0.594	0.470	INOXIDABLE	4.000	0.188	10.800	CERR. Y ESM.
0.609	C – 584	0.750	0.400	PIANO	5.000	0.200	4.210	CERR. Y ESM.
	C – 585	1.000	0.041	INOXIDABLE	4.000	0.164	6.090	CERR. Y ESM.
0.703	C – 586	1.188	0.320	PIANO	6.000	0.224	1.250	CERRADO
0.716	C – 587	1.000	0.054	INOXIDABLE	5.250	0.284	11.170	CERR. Y ESM.
	C – 588	2.000	0.450	INOXIDABLE	9.000	0.450	2.400	CERRADO
	C – 589	2.563	0.800	PIANO	12.000	0.960	22.670	CERR. Y ESM.
	C – 590	2.625	0.045	INOXIDABLE	18.000	0.855	1.050	CERRADO
	C – 591	3.500	0.041	PIANO	10.500	0.472	1.540	CERRADO
	C – 592	5.750	0.390	INOXIDABLE	24.250	0.985	0.420	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUELTAS TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.734	C – 593	0.688	0.120	INOXIDABLE	3.750	0.450	639.870	CERR. Y ESM.
	C – 594	1.000	0.670	INOXIDABLE	5.000	0.335	28.300	CERR. Y ESM.
0.750	C – 595	0.500	0.540	PIANO	3.500	0.189	24.170	CERR. Y ESM.
	C – 596	1.000	0.630	INOXIDABLE	4.250	0.268	26.990	CERR. Y ESM.
	C – 597	1.000	0.800	PIANO	5.333	0.507	58.740	CERRADO
	C – 598	1.500	0.072	INOXIDABLE	6.500	0.540	23.950	CERRADO
	C – 599	2.000	0.800	PIANO	9.750	0.780	25.260	CERR. Y ESM.
	C – 600	2.500	0.105	PIANO	13.000	1.365	59.200	CERR. Y ESM.
	C – 601	3.000	0.051	INOXIDABLE	16.000	0.867	1.770	CERRADO
	C – 602	3.500	0.800	PIANO	16.250	1.380	13.740	CERRADO
	C – 603	3.500	0.091	PIANO	17.500	1.684	22.200	CERRADO
	C – 604	3.500	0.135	PIANO	17.250	2.329	134.600	CERR. Y ESM.
	C – 605	6.000	0.091	PIANO	29.500	2.776	12.530	CERRADO
	C – 606	6.000	0.105	PIANO	30.500	3.203	22.850	CERR. Y ESM.
	C – 607	12.000	0.062	PIANO	44.500	2.821	1.530	CERRADO
	0.796	C – 608	1.063	0.092	INOXIDABLE	5.000	0.460	87.260
0.813	C – 609	1.375	0.162	PIANO	7.000	1.134	721.040	CERR. Y ESM.
	C – 610	1.875	0.120	PIANO	9.750	1.170	116.070	CERR. Y ESM.
	C – 611	2.250	0.120	PIANO	10.000	1.320	112.440	CERRADO
	C – 612	3.000	0.052	PIANO	9.000	0.520	3.420	CERRADO
0.844	C – 613	0.813	0.080	INOXIDABLE	3.500	0.280	76.840	CERR. Y ESM.
	C – 614	2.063	0.120	INOXIDABLE	8.250	0.990	111.930	CERR. Y ESM.
0.859	C – 615	4.625	0.062	INOXIDABLE	12.000	0.806	3.650	CERRADO
0.875	C – 616	0.938	0.041	INOXIDABLE	3.500	0.185	4.060	CERRADO
	C – 617	1.375	0.105	PIANO	6.000	0.735	95.680	CERRADO
	C – 618	1.625	0.074	INOXIDABLE	7.000	0.518	14.880	CERR. Y ESM.
	C – 619	2.000	0.072	PIANO	6.667	0.552	15.990	CERRADO
	C – 620	2.000	0.120	PIANO	9.000	1.080	99.850	CERR. Y ESM.
	C – 621	2.750	0.148	PIANO	13.000	1.924	163.180	CERR. Y ESM.
	C – 622	3.000	0.105	PIANO	13.250	1.391	34.020	CERR. Y ESM.
	C – 623	4.000	0.080	PIANO	15.000	1.280	9.010	CERRADO
	C – 624	6.000	0.091	PIANO	24.000	2.184	9.300	CERR. Y ESM.
	C – 625	6.000	0.120	PIANO	26.000	3.120	28.860	CERR. Y ESM.
	C – 626	12.000	0.062	PIANO	34.000	2.170	1.240	CERRADO
	C – 627	12.000	0.072	PIANO	38.250	2.826	2.060	CERRADO
	C – 628	12.000	0.080	PIANO	42.667	3.493	2.880	CERRADO
0.938	C – 629	2.000	0.080	PIANO	7.333	0.667	17.480	CERRADO

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
0.938	C – 630	4.000	0.148	PIANO	17.750	2.627	88.820	CERR. Y ESM.
0.953	C – 631	1.250	0.054	PIANO	6.000	0.324	4.210	CERR. Y ESM.
0.097	C – 632	1.500	0.087	INOXIDABLE	5.500	0.479	29.920	CERR. Y ESM.
0.969	C – 633	2.531	0.078	PIANO	7.000	0.624	15.100	CERRADO
	C – 634	3.375	0.045	PIANO	10.000	0.450	0.940	CERR. Y ESM.
	C – 635	3.500	0.105	PIANO	11.000	1.260	30.210	CERRADO
0.984	C – 636	0.719	0.095	PIANO	3.500	0.333	111.100	CERR. Y ESM.
	C – 637	2.250	0.075	PIANO	6.000	0.525	15.140	CERRADO
1.000	C – 638	1.000	0.135	PIANO	4.750	0.641	268.260	CERR. Y ESM.
	C – 639	1.750	0.062	PIANO	6.500	0.465	5.720	CERRADO
	C – 640	2.500	0.105	PIANO	9.000	1.050	34.820	CERRADO
	C – 641	2.500	0.120	PIANO	10.000	1.200	54.680	CERR. Y ESM.
	C – 642	3.000	0.120	PIANO	11.750	1.410	44.860	CERR. Y ESM.
	C – 643	3.375	0.095	PIANO	10.500	0.998	8.580	CERR. Y ESM.
	C – 644	3.500	0.120	PIANO	14.250	1.710	35.710	CERR. Y ESM.
	C – 645	3.500	0.162	PIANO	13.000	2.106	152.950	CERR. Y ESM.
	C – 646	3.750	0.144	PIANO	13.000	2.016	89.590	CERRADO
	C – 647	5.000	0.177	PIANO	20.500	3.629	136.810	CERR. Y ESM.
	C – 648	10.000	0.105	PIANO	37.000	3.990	6.960	CERRADO
	C – 649	12.000	0.072	PIANO	28.750	2.142	1.810	CERRADO
	C – 650	12.000	0.192	PIANO	39.500	7.584	98.750	CERR. Y ESM.
1.016	C – 651	3.125	0.058	PIANO	8.000	0.522	3.090	CERRADO
1.031	C – 652	1.938	0.187	PIANO	8.000	1.496	487.300	CERR. Y ESM.
1.046	C – 653	2.250	0.162	PIANO	9.000	1.458	204.740	CERR. Y ESM.
1.063	C – 654	2.375	0.070	PIANO	5.750	0.473	9.430	CERRADO
1.078	C – 655	2.844	0.062	PIANO	15.000	0.992	1.560	CERRADO
1.188	C – 656	2.750	0.120	PIANO	9.000	1.260	68.540	CERR. Y ESM.
1.125	C – 657	2.125	0.135	PIANO	9.500	1.283	65.610	CERR. Y ESM.
	C – 658	2.688	0.065	PIANO	7.000	0.455	4.310	CERR. Y ESM.
	C – 659	3.000	0.105	PIANO	9.500	0.998	21.950	CERR. Y ESM.
	C – 660	3.000	0.192	PIANO	10.750	1.064	274.890	CERR. Y ESM.
	C – 661	4.000	0.120	PIANO	13.333	1.720	25.910	CERRADO
	C – 662	7.000	0.162	PIANO	24.667	3.996	48.910	CERR. Y ESM.
	C – 663	10.00	0.135	PIANO	34.000	4.590	15.380	CERR. Y ESM.
1.250	C – 664	4.000	0.148	PIANO	12.500	1.850	49.080	CERR. Y ESM.
	C – 665	4.750	0.091	PIANO	13.000	1.183	5.760	CERR. Y ESM.
	C – 666	6.250	0.162	PIANO	17.000	2.754	51.250	CERR. Y ESM.

DIÁMETRO EXTERIOR	No. DE PARTE	LARGO LIBRE	DIÁMETRO ALAMBRE	MATERIAL	VUeltas TOTALES	ALTURA SÓLIDA	RATE LB / IN	TERMINACIÓN FINAL
1.312	C – 667	6.000	0.177	PIANO	19.000	3.363	56.760	CERR. Y ESM.
1.375	C – 668	1.250	0.105	PIANO	4.000	0.420	42.650	CERR. Y ESM.
	C – 669	2.500	0.135	PIANO	7.250	0.979	47.700	CERR. Y ESM.
	C – 670	2.750	0.120	PIANO	7.500	1.020	27.420	CERRADO
	C – 671	4.375	0.148	PIANO	12.333	1.825	36.130	CERR. Y ESM.
	C – 672	12.000	0.135	PIANO	31.000	4.320	8.640	CERRADO
	C – 673	12.000	0.148	PIANO	32.333	4.785	12.310	CERR. Y ESM.
1.406	C – 674	1.750	0.148	PIANO	5.333	0.789	103.940	CERR. Y ESM.
1.421	C – 675	1.375	0.050	INOXIDABLE	5.000	0.300	1.010	CERRADO
1.468	C – 676	0.688	0.029	INOXIDABLE	3.000	0.116	0.300	CERRADO
1.500	C – 677	2.500	0.135	PIANO	6.500	0.878	41.720	CERR. Y ESM.
	C – 678	3.250	0.148	PIANO	8.500	1.258	4.930	CERR. Y ESM.
1.625	C – 679	2.438	0.225	PIANO	5.000	1.125	447.540	CERR. Y ESM.
1.750	C – 680	3.500	0.162	PIANO	7.750	1.256	43.000	CERR. Y ESM.
	C – 681	4.000	0.162	PIANO	8.750	1.418	36.630	CERR. Y ESM.
2.000	C – 682	12.000	0.177	PIANO	21.000	3.717	12.260	CERR. Y ESM.