

NOMENCLATURE

r_l = racket length (mm); g_l = grip length (mm); h_{le} = head external length (mm); h_{li} = head internal length (mm); h_{we} = head external width (mm); h_{wi} = head internal width (mm); d_{max} = maximum depth (mm); d_{min} = minimum depth (mm); S_m = number of main strings; S_c = number of cross strings; m = mass (g); com = centre of mass (mm); f_n = natural frequency (Hz); ζ = damping ratio. Materials coding: 1- wood; 2- steel; 3- aluminium; 4- composite; 5- wood + metal; 6- wood + composite; 7- metal + composite.

#	Manufacturer	Name	Year	r_l	g_l	h_{le}	h_{li}	h_{we}	h_{wi}	d_{max}	d_{min}	S_m	S_c	m	co m	f_n	ζ	Material
1	-	-	1874	677	274	257	244	201	177	25.5	20.0	18	16	359.7	382	106	0.945	1
2	Fortnam	-	1874	670	298	258	244	198	173	22.0	19.8	18	18	385.1	364	108	0.89	1
3	F.H. Ayres	-	1874	682	280	260	248	195	172	19.0	16.7	18	20	325.3	346	72	2.41	1
4	?	Sphairistike	1874	682	242	252	238	181	161	18.8	16.9	18	20	253.4	344	95	2.25	1
5	Lambert	-	1874	679	299	243	230	220	175	21.6	20.0	18	19	347.7	366	119	0.96	1
6	Henry Malings	-	1874	685	275	263	250	210	190	19.0	17.2	18	19	296.7	358	92	0.885	1
7	Henry Malings	-	1874	680	270	260	247	203	182	22.2	19.2	18	19	353.2	361	109	0.93	1
8	Henry Malings	-	1874	678	258	253	241	205	186	22.5	20.1	18	19	301.8	376	98	0.855	1
9	Henry Malings	-	1874	674	258	273	256	213	184	21.9	19.7	18	17	305.5	367	98	0.83	1
10	?	?	1875	681	287	258	246	210	187	21.6	19.8	18	17	312.1	353	95.5	1.03	1
11	-	-	1875	673	280	260	248	210	186	21.0	19.7	20	16	360.8	360	106	0.85	1
12	-	-	1875	658	270	270	255	215	189	20.0	18.3	18	19	352.6	350	92	0.985	1
13	F.H. Ayres	-	1875	681	290	252	240	195	171	21.4	18.1	18	18	374.3	341	113	1.015	1
14	Jeffries	-	1875	672	278	262	249	215	190	21.1	17.7	18	18	376.5	373	101	2.09	1
15	-	-	1875	673	291	262	251	211	183	21.8	18.8	18	18	403.9	336	105	1.495	1
16	F.H. Ayres	-	1876	688	309	244	231	187	160	23.1	22.0	18	17	349.2	345	101	1.07	1
17	-	-	1877	646	266	251	235	233	199	18.2	17.3	18	17	304	333	89	1.24	1
18	-	-	1878	688	269	277	264	208	182	22.5	18.2	22	28	352.6	368	95	1.2	1
19	George Bussey & Co	-	1878	662	269	270	255	219	188	21.5	20.8	18	17	426.6	358	113.5	1.53	1
20	F.H. Ayres	The Champion	1878	684	259	280	267	215	189	22.5	19.6	20	21	366.4	345	91	1.115	1
21	Feltham	The Alexandra	1879	652	274	256	244	207	182	22.6	20.2	18	15	362.2	336	118	0.885	1
22	Feltham	The Alexandra	1879	677	275	263	249	209	182	22.7	20.0	18	18	380.2	350	115	0.74	1
23	Bussey & Co	-	1879	685	285	261	245	222	187	23.0	21.4	18	18	417.9	366	101.5	3.105	1
24	Slazenger	Demon	1880	686	240	284	271	225	200	21.5	19.5	20	21	381.9	355	105.5	1.04	1
25	-	-	1880	661	310	240	226	206	183	18.0	16.1	18	18	342.6	349	100	1.09	1
26	Jeffries	The Champion	1880	684	220	277	266	232	208	19.6	17.5	18	22	409.4	368	84.5	1.885	1
27	Feltham	Zingari	1880	677	295	261	248	221	196	21.4	20.0			382.6	370	92	2.2	1
28	Parkins & Gott	-	1880	678	231	272	256	232	202	20.5	18.7	18	22	360.6	353	91.5	2.02	1
29	F.H. Ayres	-	1880	672	300	248	236	185	157	22.7	20.0	18	17	376.5	338	124	1.875	1
30	F.H. Ayres	Tournament	1880	681	285	271	261	231	211	21.3	19.2	18	18	360.8	352	69.5		1
31	-	-	1882	661	285	271	262	220	193	20.1	18.0	18	19	287.2	353	77	1.13	1
32	-	Zingari	1883	692	322	279	275	210	175	20.2	19.5			429.7	361	110	1.115	1
33	Reproduction	Reproduction	1884	681	191	276	261	231	211	20.2	18.7	18	24	349.8	351	105	1.375	1
34	Reproduction	Reproduction	1884	688	238	288	276	225	199	20.5	19.3	18	20	323.4	358	86	1.2	1

35	Feltham	?	1885	694	274	285	273	230	205	21.0	19.3	18	19	384	366	89	0.82	1
36	J.A. & N. Yorkhouse	-	1885	683	291	269	254	219	190	22.2	20.0	18	19	378.1	354	91	1.18	1
37	Feltham	Argosy	1885	683	277	293	279	224	196	21.0	18.5	18	21	384.8	365	85.5	1.465	1
38	Reproduction	Reproduction	1885	680	192	275	262	230	208	20.8	17.4	18	25	321.1	369	94.5	0	1
39	Reproduction	Reproduction	1885	683	210	281	265	234	220	21.0	19.3	18	22	373.5	360	97	1.53	1
40	F.H. Ayres	-	1886	687	217	289	275	234	206	20.2	17.2	22	28	401.5	356	99	0.87	1
41	Reproduction	Reproduction	1886	682	191	285	271	225	211	18.5	17.5	18	20	295.1	360	87	1.04	1
42	Metallic Racquet Corporation	-	1887	696	355	328	315	227	204	13.0	12.6	16	20	408.7	371	114	0.51	2
43	Peck & Snyder	-	1887	682	293	307	294	223	196	19.9	18.5	20	24	315.2	380	100	0.915	1
44	F.H. Ayres	-	1887	668	304	268	254	223	198	22.6	19.2	18	17	388.8	382	115	1.205	1
45	Feltham	-	1887	695	282	304	291	222	196	21.6	19.9	18	20	372	377	93	0.96	1
46	Feltham	Marvel	1887	682	287	268	252	235	203	20.5	19.9	18	16	390	367	81	2.655	1
47	F.H. Ayres	The Champion	1887	690	268	274	261	217	192	20.9	19.3	18	22	364.2	373	93	1.23	1
48	F.H. Ayres	-	1887	662	311	284	277	218	193	18.8	16.0	19	20	288.7	370	73.5	3.74	1
49	-	The Youth	1887	671	248	278	266	210	174	19.5	18.1	18	21	296.2	342	107.5	1.235	1
50	Reproduction	Reproduction	1887	680	231	271	261	228	210	21.0	18.2	18	21	352.5	364	101	1.345	1
51	F.H. Ayres	The Superior	1888	672	285	280	266	210	187	22.7	19.0			379.7	361	102	1.97	1
52	Feltham	-	1888	690	243	300	288	223	198	21.8	19.6	18	20	364.5	371	95.5	0.985	1
53	Feltham	-	1888	689	250	291	277	220	192	21.6	20.4	18	21	349.8	362	104	1.865	1
54	-	Experimental racket	1888	681	265	298	285	230	182	21.6	19.5	20	21	366.5	350	103	1.115	1
55	Slazenger	-	1889	710	249	291	278	210	172	20.9	18.6	18	24	383.2	370	107	1.51	1
56	-	-	1890	695	232	292	280	230	203	21.7	17.2	22	24	368.4	340	94	1.2	1
57	-	J L	1890	690	234	286	273	227	201	20.5	18.7	18	24	342.9	363	94	0.845	1
58	-	Olympian	1890	688	260	294	283	223	197	19.9	17.9	18	23	356.4	346	88	1.16	1
59	-	Excelsior	1890	682	248	288	276	228	202	20.9	19.6	18	22	368.2	373	96.5	1.09	1
60	-	The Association no.3	1890	689	260	296	283	210	184	21.1	16.1	18	25	369.9	355	103.5	1.09	1
61	Slazenger	Demon	1890	692	250	285	274	215	193	21.4	20.4	18	22	375.6	367	99	3.24	1
62	-	-	1890	662	210	270	257	247	219	20.3	17.3	18	22	347.3	359	89	3.39	1
63	Slazenger	Demon	1890	697	238	298	284	215	189	21.0	19.6	18	21	374.9	371	102	0	1
64	Slazenger	Special	1895	686	225	300	288	218	194	19.5	18.5	18	23	365.7	344	94	1.16	1
65	-	Falcon	1895	688	230	289	275	223	196	20.1	18.5	18	20	341.8	349	85	0.965	1
66	Slazenger	Demon	1895	697	234	313	301	196	170	20.1	17.8	18	23	349.4	339	109	1.61	1
67	-	-	1895	688	215	307	296	221	195	20.1	18.9	17	21	329.4	346	88	1.19	1
68	-	The Globe	1895	685	240	282	270	223	198	20.0	18.6	18	21	357.6	352	98	0.905	1
69	George Bussey & Co	The Royal	1896	695	165	317	305	200	176	20.8	18.3	18	30	385.8	349	107	1.15	1
70	F.H. Ayres	The Ensign	1897	690	210	290	278	232	208	21.2	19.6	18	20	377.1	369	100	0.87	1
71	Slazenger	The Renshaw	1900	698	217	294	283	208	184	20.1	18.4	18	26	344.5	363	82	3.525	1
72	Slazenger	Demon	1900	691	240	288	277	210	186	21.5	19.0	18	24	396.7	354	111	0.89	1
73	Slazenger	Demon	1900	687	230	296	282	232	203	21.0	17.8	18	22	411.3	351	102	0.905	1
74	-	The Tournament no. 3	1900	679	235	305	293	218	195	21.0	18.0	20	20	337.1	346	99	1.505	1
75	Slazenger	Doherty	1900	685	218	294	281	224	198	22.0	18.2	20	23	424.3	328	88	1.835	1

76	Hunter & Vaughan	The Handicap	1900	697	210	320	306	215	185	21.8	18.9	18	22	405	353	104	1.095	1
77	Spalding & Bros	-	1900	696	180	291	280	224	199	20.0	18.5	18	22	382.1	361	102.5	1.67	1
78	Bussey	-	1900	670	212	300	289	206	178	19.0	18.0	18	23	293.1	329	96.5	1.075	1
79	-	Defiance	1900	677	223	291	281	230	203	20.5	17.4	20	22	333	347	83	1.46	1
80	?	?	1900	700	260	284	272	214	190	22.0	18.2	18	27	364.4	367	101	1.14	1
81	Unknown	-	1900	690	216	302	289	216	189	20.0	18.0	20	23	420.6	332	85	3.58	1
82	Slazenger	Demon	1904	697	248	298	285	206	178	21.4	19.5	18	24	363.5	351	105	1.04	1
83	-	-	1904	683	224	300	287	227	204	21.5	16.0	16	20	351.2	322	88	1.135	1
84	Spalding & Bros	-	1904	685	192	310	296	221	193	19.9	16.5	20	23	371.6	340	93	1.005	1
85	Gustav Steidel	-	1904	695	225	305	293	225	200	20.0	17.5	18	25	375.6	338	83	2.035	1
86	Slazenger	Doherty	1904	703	220	323	313	200	174	22.0	19.0	18	21	412	312	102	2.54	1
87	Spalding & Bros	Gold Medal	1905	682	202	302	288	224	194	19.9	17.7	20	20	375.1	355	103.5	0.985	1
88	-	Luyssols	1905	680	209	307	295	225	198	18.0	16.2	18	25	329.5	345	82	1.125	1
89	Sykes	Empire Special	1905	688	240	304	292	216	193	22.0	18.3	18	22	412.3	337	105	0.97	1
90	Hope Brothers	Gaiety	1905	680	212	310	298	225	197	20.6	17.3	18	23	375.8	346	91	1.4	1
91	Forrester & Sons	Club	1905	715	204	322	310	197	171	20.0	17.0	18	22	376.8	349	90	1.3	1
92	E.J. Riley	The Windsor	1905	690	228	293	283	230	206	18.0	16.2	20	22	350.8	349	84		1
93	-	-	1905	689	234	298	286	210	185	19.7	17.4	20	22	360.4	354	86.5	1.02	1
94	Slazenger	The Player	1906	692	207	299	286	229	202	19.7	17.5	18	24	389.4	346	94	1.165	1
95	Spalding & Bros	Greenwood	1906	685	197	295	282	223	195	19.2	16.5	16	20	402.8	345	96	0.955	1
96	-	Club	1906	690	225	293	280	228	198	19.0	17.0	16	19	362.2	343	87	0.98	1
97	-	Eaton	1907	692	225	318	305	226	199	20.7	14.8	20	22	385.2	346	104	1.1	1
98	Spalding & Bros	Hackett and Alexander	1908	686	200	316	304	233	203	20.0	15.0	20	21	406.7	335	108	0.96	1
99	E.J. Riley	The Club	1910	681	220	302	291	231	221	20.6	18.8	18	22	352	342	86	1.155	1
100	-	Practice	1910	677	208	306	294	234	207	21.0	17.0	20	19	399.8	336	89	0.925	1
101	-	Winner	1910	690	209	301	289	225	199	19.9	17.9	18	19	376.6	346	85.5	1.08	1
102	-	Imperial	1910	681	202	305	293	226	201	20.3	17.5	18	21	393.1	331	103.5	1.17	1
103	-	The Eastbourne	1910	687	203	305	291	230	204	18.8	15.7	20	21	337	335	78.5		1
104	-	Challenge	1910	680	210	302	291	221	198	19.8	16.3	20	23	358.4	327	83	1.115	1
105	-	-	1910	695	280	312	302	212	188	20.1	17.4	16	20	265.4	351	85		1
106	Jeffries	Marvel	1910	690	225	325	312	224	196	18.7	16.0	18	19	345.4	358	82	1.9	1
107	-	-	1910	677	236	301	295	225	195	19.5	18.3	20	19	342.1	322	95.5	1.99	1
108	-	Special	1910	671	191	301	290	230	211	22.1	20.0	20	21	440	323	104	0.975	1
109	-	Leo	1910	675	232	291	272	228	201	21.2	17.7	20	19	361	336	95.5	0.72	1
110	J.E. Beale	Wimbledon	1910	691	228	301	291	200	175	21.3	18.4	20	24	346.8	356	85	2.195	1
111	Bussey & Co	Club	1910	681	171	301	291	230	205	21.2	17.6	20	21	388.2	329	90	1.35	1
112	-	The Eton	1911	681	221	291	280	225	197	18.5	17.3	19	18	355.8	333	96	1.115	1
113	William & Co. Of Paris	Driva	1911	690	190	320	287	222	191	21.1	18.2	20	21	423.1	336	89	1.775	1
114	Ardee	Rownforth	1912	695	200	300	285	222	193	17.9	17.3	20	20	381.9	350	88	0.935	1
115	J. Holden	-	1912	685	244	307	294	232	205	22.5	20.3	18	22	362.3	336	101	1.16	1
116	Wright & Ditson	St George	1912	682	207	327	313	232	200	20.4	16.3	20	24	396	328	103	0.985	1
117	Banco	Swift	1912	687	240	305	291	213	197	20.8	18.5	20	20	402	330	93	1.13	1

118	Allan Straker	Straker's Special	1913	692	292	311	302	199	169	24.7	19.5	18	22	399.2	337	117.5	0.975	1
119	-	Court	1913	681	221	312	301	231	201	20.6	17.1	20	21	369.3	323	82	1.215	1
120	-	The Match	1915	684	248	308	294	230	202	21.0	18.5	20	18	353.3	341	99	0.92	1
121	-	The Club	1915	68	239	298	287	218	192	23.0	16.3	20	22	363	334	96.5	1.325	1
122	-	International	1915	685	210	318	306	234	208	19.8	17.0	22	23	322.1	343	87	1.095	1
123	?	?	1915	690	190	302	288	227	198	20.2	18.4	19	22	423	336	89	1.775	1
124	William Sykes	The Mask	1915	671	213	312	291	219	191	21.9	19.2	20	23	394.4	341	108	1.19	1
125	-	The Royal	1915	662	211	321	310	215	190	21.2	18.5	18	22	348.7	328	106.5	1.525	1
126	Slazenger	Doherty	1916	688	211	310	300	210	186	20.4	18.0	18	22	376.2	323	86.5		1
127	A.W. Phillips	Practice	1916	674	211	299	284	225	202	18.6	17.2	20	21	326.9	317	81	1.3	1
128	J. & S. Sheffield	Sovereign	1917	692	214	308	294	219	191	19.6	16.6	20	22	394.9	345	95	1.255	1
129	-	-	1917	675	140	297	287	235	209	20.4	19.1	20	20	386	339	67.5	5.16	1
130	Hobbies	Courtland	1918	680	150	300	292	229	212	14.3	12.0	16	19	398.8	340	93	0.395	5
131	Hobbies	-	1918	688	158	365	360	224	212	13.0	11.5	20	25	390.5	333	78	0.545	5
132	William Sykes	-	1920	684	220	300	289	226	200	19.7	16.4	20	23	346.1	346	85	2.275	1
133	Slazenger	Doherty	1920	685	180	297	285	228	204	19.6	17.7	20	22	389.2	326	94	0.805	1
134	H.E. Hayward	George	1920	681	213	311	299	234	206	21.3	18.5	20	21	368.6	336	88	1.12	1
135	Geo.G. Bussey & Co	Oxonian	1920	690	155	310	298	224	198	21.6	18.8	20	21	402.9	336	96	2.47	1
136	-	College	1920	680	217	298	285	232	206	19.2	17.7	20	22	387.9	351	95.5	0.95	1
137	Clapshaw & Cleave	Club	1920	676	229	300	286	228	202	20.1	18.6	20	20	364	367	109.5	1.175	1
138	William Sykes	The Drake	1920	689	213	309	298	218	191	19.6	17.5	20	23	359.9	347	90	1.25	1
139	Slazenger	-	1920	687	227	297	284	230	204	21.1	19.6	20	22	336.4	350	97	1.065	1
140	Jacques	Magpie	1920	703	210	326	312	215	187	14.7	13.2	20	22	363.5	355	96	0.64	1
141	Slazenger	Special Demon	1920	693	231	314	301	223	196	19.4	17.6	20	22	414.2	345	93.5	0.99	1
142	-	Roehampton	1920	701	221	328	316	215	190	21.0	19.0	20	20	367.9	332	93.5	1.74	1
143	F.A. Davis	-	1920	687	229	311	297	220	192	22.3	20.0	20	20	377.2	332	105.5	0.83	1
144	Spalding & Bros	Slocum	1920	683	200	301	286	230	200	20.4	17.4	20	20	354.2	350	103	0.8	1
145	Harry C. Lee & Co	Maxim	1920	689	200	307	294	223	197	19.0	17.5	18	22	380.4	333	100.5	0.49	1
146	Dayton Steel Racket Company	Dayton	1920	690	180	376	369	228	212	12.0	11.8	20	25	372.4	331	90	0.6	5
147	Slazenger	Patterson	1921	697	217	311	296	215	187	20.0	16.4	18	22	372	341	105	1.205	1
148	Dayton Steel Racket Company	Dayton	1922	681	187	324	306	230	212	12.2	11.2	16	18	368.8	327	98.5	0.48	5
149	Birmingham Aluminium Casting	Birmal	1924	661	190	298	288	220	211	16.3	14.3	22	25	378.9	330	77	0.465	3
150	Jacques	All England	1924	690	242	316	287	220	196	21.8	18.2	20	21	342.3	330	102	0.745	1
151	Allen West Company	-	1924	682	182	363	356	220	203	13.0	11.5	20	22	374.4	333	96	0.34	5
152	Henry A Murton	St. Peter	1925	683	220	305	291	232	207	19.0	16.4	18	22	349.8	316	88	0.77	1
153	Dayton Steel Racket Company	-	1925	684	190	326	305	225	208	12.0	11.1	20	24	401.3	344	97.5	0.36	5
154	-	College	1925	661	220	285	273	220	196	19.2	17.0	20	20	312.5	317	90.5	1.3	1
155	Prosser & Sons	Mead Marvel	1925	679	239	294	283	230	206	20.1	16.4	20	22	375.4	302	93	1.03	1

156	Dayton Steel Racket Company	New Dayton	1925	680	174	321	304	230	214	12.3	11.5	20	24	385.2	329	97	0.69	5
157	-	Sport	1925	680	150	300	288	214	188	17.7	16.5	20	21	345.3	345	94	1.035	1
158	Allen West Company	-	1925	680	176	362	355	222	203	12.9	11.5	18	22	362	324	91.5	0.305	5
159	Allen West Company	-	1925	680	180	362	355	222	204	12.1	11.4	18	22	363.6	327	94.5	0.515	5
160	-	Sandringham	1925	685	234	298	284	228	202	18.6	16.3	20	23	357.4	337	94	0.825	1
161	Slazenger	Doherty	1925	684	156	316	284	229	205	22.0	17.7	20	21	387.7	329	99	0.895	1
162	Dunlop	-	1925	687	230	298	284	229	201	19.0	17.8	20	22	389.1	339	102	1.025	1
163	Spalding & Bros	Tournament	1925	690	210	308	294	224	193	20.4	17.4	20	20	376.1	330	97	0.795	1
164	-	Ready	1925	688	230	296	284	232	204	18.7	17.3	20	21	374.8	344	85	2.195	1
165	Dayton Steel Racket Company	Dayton	1925	680	226	300	291	219	200	21.7	19.1	18	20	356.9	341	106	0.58	5
166	Spalding & Bros	The Spalding	1925	691	209	305	291	220	188	19.5	17.6	20	19	398.7	339	101.5	1.145	1
167	Ovee	Titan	1925	667	225	276	264	225	201	20.1	18.6	18	20	384.4	360	105	0.865	1
168	Spalding & Bros	Tournament	1925	683	210	300	286	231	201	19.8	17.8	20	20	408.3	332	90		1
169	Birmingham Aluminium Casting	Birmal	1925	673	165	296	286	215	205	16.3	13.8	18	21	386.5	335	80	0.55	3
170	-	Unity	1925	694	210	307	295	220	196	20.1	18.8	18	20	349.2	340	97	0.88	1
171	Henry A. Murton	Riseley Hexagon	1925	696	229	316	303	216	190	21.5	19.4	18	20	366.8	328	98	1.86	1
172	Atlas & Co	The Imp	1926	685	222	296	283	231	208	20.7	17.5	22	20	368.2	349	98	1.01	1
173	Dayton Steel Racket Company	-	1927	686	295	374	365	230	212	12.1	11.6	18	25	366.3	346	98	0.235	5
174	Spalding & Bros	Top Flite	1927	690	178	313	276	219	193	24.5	18.6	18	19	374.5	323	93	1.055	1
175	E.J. Riley	Regent	1928	670	225	283	272	252	228	19.1	17.5	20	23	366.6	337	102	1.775	1
176	Ovee	-	1928	681	212	301	289	231	206	18.7	17.3	18	21	382.5	339	103	0.69	1
177	Spalding & Bros	Gold Medal	1928	676	210	281	267	250	223	19.0	17.5	20	20	385.8	321	88.5	2.305	1
178	Grays	Max Woosnam	1929	694	240	330	298	222	195	21.6	16.5	18	22	392.9	347	96	1	1
179	Prosser	Phenomenon	1929	690	154	297	264	220	195	23.0	17.5	18	20	358.7	332	106.5	1.045	1
180	F.H. Ayres	Ace	1930	689	224	317	287	218	190	21.1	17.7	20	21	358.6	341	106	1.2	1
181	Slazenger	Queen's	1930	685	230	314	284	230	204	21.9	16.6	20	22	373.5	337	99	0.925	1
182	-	-	1930	690	185	312	290	226	196	19.7	16.7	20	22	322.9	332	97.5	0.745	1
183	N.J. Magnan Corporation	Tournament	1930	670	160	296	268	228	202	22.5	17.7	18	21	358.2	330	100	1.11	1
184	Jeffries	Gold Medal Ruby	1930	687	250	303	290	230	202	21.4	17.8	20	20	377.6	359	107.5	1.285	1
185	Dayton Steel Racket Company	-	1930	691	177	388	369	224	208	12.5	11.7	18	25	366	342	98.5	0.375	5
186	Slazenger	Queen's Tournament Model	1930	688	160	312	280	218	192	21.5	17.7	20	22	371.2	340	98	0.885	1
187	F.H. Ayres	Gold Medal	1930	686	160	320	285	228	203	20.2	18.1	20	21	366	333	106	0.67	1
188	Slazenger	La Belle	1930	686	259	296	282	229	204	19.1	17.7	20	22	356.4	342	89.5	2.965	1
189	-	Imperial	1930	681	222	296	282	234	204	18.8	16.8	20	22	391.7	318	96	0.86	1
190	Accles & Pollock	-	1930	687	149	311	284	225	206	11.3	10.2	20	23	411.5	328	79	0.225	2
191	Slazenger	Tournament	1930	692	173	313	283	215	191	22.6	18.6	20	22	399.8	337	94	1.45	1
192	Slazenger	Queen's Tournament Model	1930	676	214	305	275	243	220	22.0	17.7	20	22	387.4	347	100.5	0.8	1

193	-	Premier	1930	682	207	306	293	225	197	18.1	16.5	20	19	370.3	340	89	1.055	1
194	F.H. Ayres	Davis Cup	1932	688	150	321	284	230	204	22.0	18.4	20	21	402.2	334	107		1
195	F.H. Ayres	Club Improved	1932	684	230	302	283	230	204	17.1	16.7	20	21	355.4	346	90	0.95	1
196	Prosser & Sons	Mead Marvel	1932	681	230	298	286	234	210	21.2	16.5	20	22	372.4	320	95	1.16	1
197	F.H. Ayres	Challenge	1932	681	216	299	287	229	203	21.5	18.5	18	22	375.5	333	96	1.305	1
198	F.H. Ayres	The New Wimbledon	1932	686	166	306	273	225	202	20.5	18.0	20	19	343.2	335	101	0.83	1
199	Dunlop	Maxply	1932	688	174	312	278	228	202	21.7	17.2	20	22	388.2	330	108	0.98	1
200	F.H. Ayres	The New International	1932	681	228	315	277	232	208	22.0	16.9	20	20	354.3	329	106.5	0.725	1
201	F.H. Ayres	The New Wimbledon	1932	687	164	315	280	235	210	21.2	16.8	20	21	386.8	330	101	0.95	1
202	Slazenger	Queen's	1932	686	171	304	272	220	196	27.0	17.0	18	20	385	324	99	1.18	1
203	Alexander of Launceston	Cressy Wizard	1933	670	174	297	255	216	188	20.8	19.6	20	23	387.2	342	119	0.81	1
204	F.H. Ayres	Club Improved	1933	681	220	295	281	237	209	18.4	16.0	20	21	367	338	93.5	0.975	1
205	F.H. Ayres	Tournament Davis Cup	1933	681	155	318	284	232	204	21.4	16.7	20	21	369	311	99	0.775	1
206	Wisden	Valkyrie	1934	676	158	303	267	230	204	22.5	16.6	20	22	384.1	343	103	0.965	1
207	Hazell	Streamline White Star	1935	680	165	284	273	226	201	18.5	16.9	20	22	371.7	320	109	0.795	1
208	Hazell	Streamline Blue Star	1935	677	164	284	271	228	204	19.3	18.5	20	22	375	312	113.5	0.775	1
209	Hazell	Streamline Red Star	1935	678	160	290	276	220	197	17.6	16.8	22	24	369.4	310	99.5	0.83	1
210	Hazell	Streamline Green Star	1935	688	170	292	281	220	193	18.5	18.2	20	22	370.7	330	110	0.925	1
211	Dayton Steel Racket Company	-	1935	677	164	345	330	220	203	15.0	14.2	18	21	374.9	326	117	0.415	5
212	-	Pall Mall	1935	688	220	316	288	226	202	23.0	19.5	20	21	361.5	346	107	1.53	1
213	-	Fulcrum	1935	684	160	308	274	230	205	22.5	16.5	20	20	366.2	332	97	0.835	1
214	Muller	Dimid	1935	688	170	294	280	224	198	21.2	16.2	24	24	337	339	105	0.495	1
215	Empire Racket Company	Telopea	1935	677	160	298	264	220	194	23.9	18.0	20	19	371	338	118.5	1.23	1
216	Empire Racket Company	Aristocrat Model de Luxe	1935	681	178	307	267	228	203	23.0	19.0	20	21	358.3	348	110	0.995	1
217	F.H. Ayres	Davis Cup Model C	1935	685	150	309	275	219	194	24.0	19.1	20	20	383.6	344	110	1.025	1
218	Lockwood Brown	-	1935	676	178	294	282	226	201	22.8	16.6	20	21	376	323	102.5	0.985	1
219	-	-	1935	655	170	298	266	217	196	21.2	17.0	20	18	317.2	339	111	0.88	1
220	Maxima	Ardita	1935	688	168	307	275	228	204	22.7	18.1	20	21	385.1	322	105	0.73	1
221	Slazenger	Queen's Tournament Model	1935	692	170	315	280	212	188	23.5	18.3	20	22	378.3	346	108	1.2	1
222	-	Premier	1935	678	228	298	287	230	205	19.8	17.8	20	21	356.6	334	96	0.87	1
223	W.H. James	Classic	1935	682	190	318	282	220	195	23.1	16.7	20	21	377.7	331	89	1.215	1
224	Slazenger	Queen's Tournament Model	1935	687	175	320	285	227	203	21.0	17.0	20	22	351.2	325	82	1.68	1
225	Slazenger	Player	1935	685	242	300	285	226	200	18.8	17.3	20	22	372.6	345	101	0.905	1
226	Spalding & Bros	Exmoor	1935	685	212	300	286	234	204	19.4	18.2	20	20	389.9	352	95	1.675	1
227	-	Red Star	1935	686	180	287	269	230	204	20.0	18.1	20	22	379.2	337	97	0.83	1
228	Lillywhite Frowd	Vitesse	1935	686	162	302	268	220	198	21.1	17.1	18	20	359.9	339	103	1.01	1
229	-	Ace	1935	677	158	312	276	235	209	20.3	17.5	20	21	380.7	300	88	0.88	1
230	F.H. Ayres	The New Wimbledon	1935	687	154	317	283	230	205	21.8	17.6	20	21	379.8	331	101.5	0.8	1
231	Spalding & Bros	Top Flite	1935	684	166	295	265	221	198	24.0	19.0	20	19	373.8	336	111	0.945	1
232	Gardner Bors	Green Dragon Fly	1936	683	224	301	289	228	204	22.5	19.5	20	21	371.1	345	99	0.89	1
233	Slazenger	Victory	1937	677	164	302	270	228	204	22.0	18.7	20	20	356.5	325	106	0.945	1

234	F.H. Ayres	Coronation Model A	1937	688	218	319	284	235	210	20.8	17.6	20	21	383.7	335	99	0.86	1
235	-	Top Flite (Reproduction)	1938	684	230	320	288	230	204	18.5	17.0	18	20	337	341	88.5		1
236	Wisden	Cosmos	1938	681	206	315	281	228	202	20.5	17.1	18	20	364.7	320	99	0.875	1
237	Baily & Co	Hardcourt Conquest	1938	671	168	306	273	226	204	22.8	17.6	20	21	351	326	102	0.98	1
238	Slazenger	Queen's	1938	686	171	314	278	224	200	22.6	17.2	20	23	389.8	355	108	0.82	1
239	Slazenger	Eclipse	1938	694	148	326	292	222	197	22.1	18.6	20	23	392.6	326	73.5	5.89	1
240	Spalding & Bros	Masterblit	1939	687	180	297	265	220	194	27.0	18.6	18	19	392.1	327	108	1.64	1
241	Spalding & Bros	Masterblit	1939	684	156	306	276	222	200	24.5	17.5	18	20	382.9	311	89	1.45	1
242	Darsonval	Darsonval	1940	692	190	311	286	219	189	24.1	18.1	20	22	377.8	334	110	0.755	1
243	Spalding & Bros	Record	1940	687	165	300	267	218	194	23.0	17.5	20	20	361.8	326	102.5	1.44	1
244	Maxima	Torneo	1940	685	160	305	275	227	206	23.1	17.8	20	21	378.1	333	109	0.645	1
245	Spalding & Bros	Top Flite, Davis Cup, Ladies' Model	1940	674	162	293	261	222	198	24.0	17.5	18	19	359.7	332	102	0.89	1
246	Dayton Steel Racket Company	-	1940	680	155	296	274	223	201	14.2	13.8	18	20	385.2	335	109	0.905	5
247	Spalding & Bros	Masterblit	1940	682	157	309	274	226	201	21.8	18.2	20	22	375.4	329	97.5	1.32	1
248	Dunlop	Maxply, Fort	1940	688	168	318	273	226	205	24.0	17.0	18	20	366	338	100	0.845	1
249	Wilson	Ellsworth Vines International	1941	688	158	308	274	230	203	20.8	16.9	18	21	379.5	319	116.5	1.18	1
250	Wilson	Mary Hardwick Finalist	1942	687	150	307	275	227	200	21.7	17.0	18	22	359.7	336	106	0.645	1
251	Wilson	Ellsworth Vines Scholastic	1943	688	159	316	276	230	200	18.0	17.7	16	18	352.5	336	107	0.695	1
252	Dunlop	Alpha	1945	682	163	308	274	230	204	18.4	17.8	20	20	356	314	91	0.79	1
253	Dunlop	Maxply	1945	686	161	309	275	228	204	21.3	17.1	20	21	371.1	333	105	1	1
254	Dunlop	MaxPly Light	1945	689	159	308	280	224	198	25.0	17.0	20	21	361	321	97.5	1.14	1
255	Dunlop	Maxply	1946	682	164	307	275	228	205	22.9	16.4	20	21	384.4	323	91	0.955	1
256	Muller	Dimid	1948	683	158	311	276	234	204	23.0	16.5	22	22	374.7	326	94	0.83	1
257	Samuel Fox & Co	Silver Fox	1950	686	164	287	274	210	200	17.8	17.8	20	20	366.4	338	85	0.32	5
258	Slazenger	-	1950	688	168	317	283	225	200	23.4	18.1	20	22	392.1	329	104	0.85	1
259	Corrass	-	1950	678	155	297	265	224	203	20.8	18.6	18	18	394.3	323	115.5	0.775	1
260	-	Conquest	1950	676	153	302	271	230	207	23.8	17.4	20	21	352.1	328	101	1.01	1
261	-	Conquest	1950	679	153	304	275	228	204	23.8	16.8	20	21	354.5	306	96	0.9	1
262	Slazenger	Meteor	1950	690	169	308	285	223	187	22.4	17.4	20	22	389.3	331	90.5	1.065	1
263	Slazenger	The Slazenger	1950	685	163	330	270	219	197	22.5	17.7	18	20	373.9	314	92	1.25	1
264	Slazenger	PM	1950	685	169	305	269	222	199	20.5	17.4	20	19	332.3	342	104	0.95	1
265	Grays	Double Blue	1950	681	154	302	271	222	198	18.2	15.2	18	21	333.5	333	103.5	1.31	1
266	Slazenger	Demon	1950	686	168	304	269	225	202	21.5	17.5	18	19	374.3	326	106	0.84	1
267	Dunlop	Maxply	1951	683	173	303	271	230	206	20.1	16.6	18	20	394.7	324	109	0.815	1
268	G.H. Cleave	Whipshaft	1951	674	150	296	260	228	204	22.6	17.5	18	19	404.9	325	107.5	0.995	1
269	Dunlop	Frank Sedgman Maxply	1952	681	160	296	264	232	204	21.0	18.6	18	18	407.4	340	107	0.94	1
270	Wilson	Mary Hardwick Personal	1952	685	156	307	273	229	202	21.8	17.3	18	20	412.3	334	109	0.945	1
271	Slazenger	Demon	1953	686	178	298	266	218	193	21.4	17.4	18	20	358.3	342	123	0.935	1
272	Slazenger	IC	1953	691	168	307	275	214	190	22.8	17.2	18	20	383	324	102	0.905	1
273	Slazenger	IC	1953	687	161	303	269	223	198	22.2	16.5	18	20	399.6	324	109	0.885	1

274	Dunlop	Pioneer	1954	680	159	285	271	232	208	17.9	17.8	18	20	384.1	298	91	0.94	1
275	W.H. James	Aero Ace	1954	686	149	313	279	225	200	22.7	17.8	18	20	384.5	329	100	1.095	1
276	Lillywhite Frowd	-	1954	681	151	300	265	218	195	20.6	18.0	18	20	361.7	331	114	0.945	1
277	Dunlop	Maxply	1955	684	160	308	275	230	205	21.0	16.8	18	20	363	334	106	1.015	1
278	Prosser	Super Phenomenon	1955	690	151	310	280	220	197	22.4	17.2	18	20	381.8	323	100	0.975	1
279	Prosser	Super Phenomenon	1955	686	153	307	271	225	203	23.3	17.6	18	20	378.2	317	84	1.24	1
280	Slazenger	PM	1955	685	160	310	278	224	201	22.1	16.9	20	19	373	332	93.5	1.085	1
281	Dunlop	Maxply	1955	688	151	311	277	228	204	20.7	16.0	18	20	382.9	324	102.5	0.86	1
282	Slazenger	Demon	1955	684	170	300	267	229	203	23.0	17.8	18	19	387.5	339	112	0.915	1
283	Slazenger	PM	1955	687	170	330	273	218	195	23.0	16.1	20	19	352.4	337	104	1.5	1
284	F.H. Ayres	-	1955	687	172	305	270	225	201	22.5	18.0	18	19	379.6	343	106.5	0.91	1
285	Jacques	All England	1955	692	160	298	268	216	192	23.2	17.8	18	20	359.7	355	110	0.96	1
286	Prosser	Super Phenomenon	1955	688	152	310	280	220	198	22.4	18.0	18	20	399.5	316	101.5	0.99	1
287	Samuel Fox and Co.	Silver Fox	1955	685	162	278	265	214	200	18.0	17.7	20	20	360.4	328	109	0.495	5
288	Cochet Sports Company	Coupe Davis Brevetée	1955	680	152	302	265	224	199	19.5	16.5	18	20	364.2	342	105.5	0.95	1
289	Government Sports Good Factory	Aeroplane	1955	686	174	308	274	226	203	21.9	17.0	18	20	359.5	338	118	0.84	1
290	-	Olympic	1956	682	152	306	274	227	200	23.2	18.3	18	21	403.1	326	115.5	0.82	1
291	Grays	New Blue	1956	688	171	290	278	228	204	26.0	17.0	20	20	358.8	343	129	0.85	1
292	G.H. Cleave	Whipshaft County Model	1957	678	187	305	271	218	194	22.4	17.9	18	19	397.7	327	107.5	0.965	1
293	Dunlop	Maxply	1958	683	145	308	271	230	205	21.0	16.8	18	20	373.8	347	110	0.975	1
294	Dunlop	Match Point	1959	681	159	301	268	232	208	21.0	16.7	18	20	353.5	339	110	1.095	1
295	-	Paramount	1959	684	171	296	283	229	203	20.6	18.8	18	20	335.7	343	86	2.56	1
296	Spalding and Bros	-	1960	687	155	304	270	228	203	23.0	16.2	18	20	386	337	103	1.06	1
297	Slazenger	T10 Challenge	1960	685	175	291	259	227	201	21.6	17.4	18	20	390.2	336	100	1.055	1
298	Dunlop	Match Point	1960	685	162	306	273	227	205	21.0	16.8	18	20	385.5	326	105	0.95	1
299	Dunlop	Match Point	1960	687	158	307	274	229	204	21.2	16.4	18	20	407.3	312	102	0.985	1
300	Wilson	Mary Hardwick Stylist	1960	686	150	303	271	224	198	18.6	16.5	18	20	359.7	336	110	0.98	1
301	Slazenger	Demon	1961	684	170	294	263	222	197	22.6	17.6	18	19	381.6	324	113	0.935	1
302	Spalding and Bros	Doris Hart Signature	1961	686	150	307	271	227	200	23.1	16.5	18	20	369.8	347	105	0.995	6
303	Slazenger	Challenge Power	1961	688	162	298	266	218	195	23.9	16.9	18	20	396.3	339	126	0.97	1
304	Slazenger	Challenge Power	1961	687	167	297	264	221	197	22.0	16.4	18	20	384.3	344	113	1.065	1
305	Slazenger	Challenge P4	1962	686	179	298	263	225	198	22.3	16.9	18	19	397.8	333	110	0.89	1
306	Slazenger	PM	1962	684	167	303	270	222	199	23.5	17.6	18	19	379.4	310	109	0.93	1
307	Spalding	Dennis Ralston Signature Personal	1963	690	159	311	266	220	196	22.4	16.3	18	20	359.5	347	103.5	0.96	6
308	Dunlop	Alliance	1964	689	161	305	268	226	198	24.0	17.0	18	21	361	354	105	0.9	1
309	Grays	Silver Grey	1964	683	141	274	262	222	197	22.7	13.7	18	19	352.1	326	102	0.705	1
310	Slazenger	Challenge No.1	1965	687	172	302	275	228	204	21.4	16.0	18	19	412.5	320	102	0.9	1
311	Slazenger	Challenge Bi-hander	1965	685	194	303	272	226	207	22.0	16.1	18	20	357.2	333	94.5	1.845	1
312	Slazenger	-	1965	688	168	317	278	224	199	23.1	17.5	18	20	391.6	322	97	1.05	1
313	Slazenger	Challenge	1965	686	160	307	277	220	206	28.3	21.1	18	20	406.7	328	109	0.915	1

314	Slazenger	All White	1965	687	166	306	275	221	197	24.6	17.2	18	20	402.6	331	115	1.075	1
315	Dunlop	Maxply Fort Lew Hoad	1965	682	168	307	274	225	202	22.0	16.1	18	20	411.5	327	109	1	1
316	T.A. Davis	Imperial	1965	681	158	283	271	228	206	20.0	16.0	18	20	352.6	343	99	0.92	1
317	Oliver Sports Goods Limited	Mal Anderson Signature Model	1965	688	170	298	263	228	202	22.3	17.3	18	19	393.1	341	110.5	0.89	6
318	Spalding and Bros	Top Flite	1965	688	162	300	264	224	200	23.3	16.6	18	19	381.2	339	108.5	1.01	1
319	Slazenger	Special	1965	681	169	303	270	230	206	23.5	17.5	18	21	368.3	343	111	1.195	1
320	Lacoste	-	1965	673	160	310	297	240	225	14.5	14.5	18	20	337.8	346	93	0.195	2
321	Donnay	Rod Laver	1965	680	170	310	270	230	210	0.0	0.0	18	20	372.8	314	104	0.96	1
322	Gauthier et Fils Cie	Jean Claude Molinari	1965	686	152	283	271	226	201	19.5	17.1	18	20	382.8	338	107	0.79	1
323	Sydney	Robert Haillet	1966	681	160	310	268	231	207	22.1	16.3	18	20	378	324	106	0.96	1
324	Wilson	Maureen Connelly Stylist	1966	688	150	304	271	230	204	21.5	16.3	18	20	331.5	347	100	0.92	1
325	Wilson	Kramer Cup	1966	689	164	310	274	229	203	23.0	16.4	18	20	382	342	100.5	0.935	6
326	Donnay	Francoise Durr	1968	695	160	313	280	220	195	20.2	14.5	18	19	367.3	340	99.5	1.01	1
327	Wilson	T2000	1969	677	180	278	264	236	222	14.5	14.5	18	18	369.2	337	101	0.26	2
328	Wilson	The Hawk	1970	688	150	306	270	228	204	19.5	16.8	18	19	379.2	323	102	0.96	1
329	Dunlop	Maxply Superlight Mid	1970	682	170	314	302	250	226	19.0	17.5	18	20	371.7	334	106	0.855	6
330	Spalding and Bros	Pancho Gonzales Autograph	1970	690	160	311	265	220	195	22.2	16.3	18	21	402.2	329	107.5	0.93	1
331	Wilson	Stan Smith Autograph	1971	687	144	302	268	225	199	24.3	18.3	18	20	411.6	323	112		1
332	Dunlop	Maxply Dunlop Fort	1971	684	159	306	273	232	207	20.8	16.4	18	20	414.4	334	109	1	1
333	Acro Inc	Seamless	1971	675	164	288	263	242	225	18.8	18.6	18	18	369.9	339	108	0.455	3
334	-	-	1973	682	152	271	256	240	224	19.0	18.8	18	19	387.8	320	113.5	0.23	3
335	Slazenger	Challenge No.1	1973	688	165	312	270	225	210	21.6	16.8	18	20	394.1	335	106	0.975	1
336	-	Victorious	1973	681	160	311	268	225	194	17.3	16.3	22	19	380	336	92	0.915	1
337	Slazenger	Plus	1974	688	161	296	275	223	206	18.7	18.0	18	22	400.4	327	133	0.36	2
338	Slazenger	Slazenger Plus	1974	690	177	280	271	227	208	21.0	15.5	18	20	395.6	357	123	0.48	2
339	-	Haminex 6006TS	1974	688	162	280	270	232	212	18.5	18.2	18	18	384.3	335	107	0.73	2
340	Pro Am	Pro Am California	1974	681	152	283	267	230	212	15.0	14.0	20	20	373.4	336	88	0.165	2
341	Tretorn	-	1974	671	152	263	243	239	216	17.1	14.1	18	19	382.2	349	81	0.54	2
342	Head	-	1974	671	167	267	261	242	222	19.4	19.1	18	18	386.3	327	112	0.32	3
343	Slazenger	Phantom	1974	687	186	304	283	226	204	16.9	16.8	18	20	409.2	327	139.5	0.45	4
344	Dunlop	Evon Goolagong	1975	688	172	307	273	230	205	22.0	16.5	18	20	375.5	350	105	1.13	1
345	Slazenger	Y.P.O	1975	680	173	285	273	230	206	18.4	16.4	18	20	371.5	335	105	0.795	1
346	Slazenger	Commander	1975	688	159	307	274	227	203	21.0	16.2	18	20	392.3	328	104	1.02	1
347	Hakrhim	The Rush	1975	685	160	304	296	223	207	19.7	18.2	16	15	288.6	335	98	1.005	1
348	-	-	1975	690	170	291	274	226	204	18.8	17.3	18	20	381.9	314	112.5		4
349	Yonex	T7500 YY Alumina Custom	1975	680	165	292	271	230	214	18.6	10.0	18	19	357.4	324	120	0.25	3
350	Dunlop	-	1975	690	169	280	271	230	210	21.0	15.5	18	20	406.1	351	127	0.395	2
351	Walter Precision Italiana	-	1975	680	165	285	270	225	205	19.6	19.0	18	21	390.2	324	140	0.33	3
352	Ascot	Pro 2070 Model Mark Cox	1975	686	160	310	275	233	207	21.8	16.4	18	20	396	309	100.5	0.87	1
353	Gautier	G-01	1975	687	158	308	270	224	200	18.4	16.5	18	20	386.9	334	108.5	0.865	6
354	Sunn	-	1975	668	155	291	275	250	234	19.0	19.0	20	19	416.9	330	85	0.445	2

355	?	?	1975	684	188	274	265	238	220	19.0	19.0	18	20	364	343	114	0.52	1
356	Wilson	Aluminium World Class	1975	683	173	290	274	214	198	19.2	19.2	14	20	365.3	338	129	0.545	3
357	Slazenger	Slazeger Plus	1975	684	166	291	275	225	209	19.3	19.0	18	19	414.1	328	139	0.37	2
358	Head	Arthur Ashe Competition	1975	685	192	304	280	228	202	14.0	14.0	16	21	366	324	101	0.465	3
359	F.J. Bancroft	King Personal	1975	688	192	316	280	231	206	21.2	15.4	18	20	382.7	338	108	0.855	6
360	Acro Inc.	Acro Adjustable	1975	682	166	290	277	216	204	19.1	19.0	18	18	377.2	324	121.5	0.31	3
361	Fred Perry Sports Wear	Fred Perry	1975	686	160	308	273	230	206	19.3	15.4	18	21	362.5	338	98	0.98	1
362	Prince	Classic	1976	679	172	344	336	282	266	19.4	19.1	16	19	372.4	322	96.5	0.41	3
363	Rossignol	tr10	1977	680	158	325	276	238	210	16.0	16.0	18	19	377	334	99	0.55	4
364	Slazenger	Challenge X10	1977	690	158	288	272	220	204	18.6	18.1	18	20	378.2	333	139	0.21	2
365	Dunlop	Dunlop International	1977	688	196	308	264	237	207	16.5	16.5	18	20	400.7	336	108	0.625	4
366	Head	Vilas	1978	687	207	307	280	225	201	18.1	17.2	18	19	395.3	330	105	0.69	1
367	Slazenger	All White	1978	692	181	288	275	226	202	17.6	16.6	18	20	397.1	332	102	0.76	6
368	Wilson	Chris Evert Autograph	1978	690	179	313	278	231	202	21.0	14.0	18	21	369.9	336	99	1.01	6
369	Head	Drive	1979	687	194	332	296	231	203	15.0	15.0	18	20	389	334	103	0.485	7
370	Montana	Powerplay 1000	1979	682	160	320	275	232	206	20.0	9.0	16	21	397	334	103	0.42	4
371	Donnay	Court One	1979	684	164	313	278	226	200	17.5	16.4	18	20	382.1	314	94.5	0.905	1
372	Head	Arthur Ashe Competition 3	1979	682	190	305	278	222	195	14.9	14.9	16	21	362.7	330	97	0.515	7
373	Marco	Pierre Darmon	1980	687	161	330	267	225	200	20.2	16.0	18	20	352.4	329	97		1
374	Head	Royal	1980	688	160	305	279	228	199	18.0	18.0	14	18	394	336	104	0.4	4
375	Head	Vilas, test	1980	688	161	306	279	225	204	17.0	15.0	18	19	390	325	107	0.525	6
376	Kuebler	Plus 60	1980	671	186	451	413	282	263	19.0	19.0	22	21	362.2	318	78.5	0.355	4
377	Fischer	-	1980	685	221	350	332	225	197	20.8	19.4	16	21	385.2	326	118	0.4	4
378	Prince	Woodie	1980	682	180	354	325	272	249	17.5	17.2	16	21	385.5	314	100	1.105	6
379	Kuebler	Plus 60	1980	697	187	450	447	235	218	19.0	19.0	16	17	362.2	324	108	0.415	4
380	Weed USA	Weed	1980	676	171	407	388	317	299	18.0	17.0	22	29	343.5	322	112	0.26	3
381	Kawasaki	Wimbledon Championships Lady Racket	1980	683	179	281	268	227	202	17.4	15.7	18	20	341.5	319	96	0.975	1
382	Kunnan	Super Boron	1981	683	181	382	353	296	273	18.4	18.1	16	19	326.4	341	132	0.4	4
383	Kawasaki	Wimbledon	1981	682	158	305	268	228	201	21.5	16.0	18	20	368.5	330	102	1.045	1
384	Adidas	Ilie Nastase	1981	680	164	300	266	230	205	20.7	17.0	18	20	363.4	334	103	1.1	1
385	Adidas	Nastase Open	1981	682	171	301	269	225	201	22.1	16.1	18	20	372.8	333	107	0.975	1
386	Head	Vector	1982	681	190	317	290	237	227	21.0	20.0	16	18	377	326	123	0.275	3
387	Kneissel	Red star Pro	1982	682	154	297	275	242	217	20.0	19.0	16	19	358	334	123	0.445	4
388	Fischer	Coup	1982	685	193	343	318	244	224	19.0	18.0	16	21	370	327	113	0.385	3
389	Slazenger	Challenge Plus	1982	681	179	333	320	255	234	15.8	15.4	18	18	365.7	322	112	0.695	6
390	Dunlop	John McEnroe Pro	1982	680	191	328	310	221	195	18.7	18.0	18	20	385.2	324	108	0.73	6
391	Wison	Legacy	1982	682	162	347	316	227	204	18.8	18.8	18	22	356.5	335	126	0.85	6
392	Inter Business AG	Myrac	1982	672	156	350	335	260	236	22.5	22.0	20	20	385.7	320	94	1.355	2
393	Donnay	AllWood, Bjorn borg	1983	680	186	305	276	227	202	21.0	16.0	18	20	368	327	98	0.91	1
394	Prince	Pro	1983	685	175	372	335	278	262	21.0	8.0	16	19	360	322	123.5	0.29	3
395	HEAD	Director, composite	1983	692	170	378	341	250	221	20.0	20.0	16	18	363	345	145	0.365	6

396	Rossignol	F200 Carbon, Mats Wilander	1983	678	202	307	279	257	231	19.0	13.0	16	18	374	321	104	0.455	4
397	Yonex	Carbonex 8	1983	681	182	298	273	237	207	18.0	17.0	20	19	401	335	113	0.465	4
398	-	Silver Arrow	1983	676	169	278	271	215	195	18.0	14.1	18	19	423	325	106	0.54	4
399	Head	XRC	1983	686	152	304	274	222	195	17.2	16.5	16	21	357.4	329	116	0.495	4
400	Wilson	Ultra 2	1983	683	170	332	310	242	214	20.5	19.0	16	18	359.1	321	161	0.54	4
401	Dunlop	Red Diamond	1984	689	166	309	273	228	204	25.0	16.0	18	20	336	330	94.5	1.14	1
402	Dunlop	XLT-15	1984	685	184	350	295	254	235	20.0	10.0	18	18	367	326	126	0.3	4
403	Donnay	Mid 15	1984	681	218	308	275	246	223	17.0	16.0	16	17	388	325	104.5	0.665	6
404	HEAD	Director	1984	684	175	372	344	241	216	17.0	16.0	16	19	375	332	108	0.5	6
405	Yonex	R22	1984	680	174	344	313	252	226	19.0	18.0	16	19	303	311	126	0.325	4
406	Rtime Sports Inc.	Wimbledon Dynamic Pro	1984	683	181	372	328	270	250	18.4	18.1	16	19	314.3	328	133	1.87	4
407	Snauwaert	Golden Mid	1984	682	171	323	301	232	222	18.2	17.5	18	18	370.8	327	138	0.49	4
408	Fischer	Superform Tuning	1985	682	184	358	342	242	232	25.7	19.6	16	22	364.1	310	129	0.46	4
409	Dunlop	MAX200G, Graphil Injection	1985	683	167	326	297	251	230	21.6	21.6	18	20	352.6	325	116	1.705	4
410	Snauwaert	graphite ergonom	1985	670	185	324	300	245	224	18.0	17.0	18	18	370	348	107.5	0.5	4
411	Huntak	H-7007, Graphite Composite	1985	682	184	330	305	249	225	18.0	17.0	16	19	352	320	105	0.375	4
412	Adidas	Ivan Lendl	1985	688	198	351	320	260	235	20.0	20.0	16	22	372	320	134	0.355	4
413	ATP	Mid Fox, 5	1985	690	203	324	304	250	230	24.0	18.0	18	15	357	331	172	0.285	4
414	Techno	Pro, Sirius Fibergraph 3	1985	684	170	325	303	257	236	18.0	18.0	16	19	351	315	131	0.335	4
415	Kuebler	Resonanz R50	1985	688	168	370	346	267	250	28.0	27.0	16	20	363	331	199	0.435	4
416	Pro Kennex	Magnesium Ace	1985	684	211	371	331	240	213	19.6	19.4	20	31	345	319	127	0.795	2
417	-	Wimbledon Special	1985	684	165	303	266	230	204	20.1	16.9	18	19	281.9	341	103.5	1.13	1
418	Fischer	Superform Speedmaster	1985	685	223	354	332	242	223	19.3	18.2	16	21	399.2	310	116	0.27	4
419	Prince	Graphite 110	1985	686	179	362	336	278	256	19.6	19.1	16	19	357.7	315	130	0.4	4
420	Dyna	The Twin	1985	674	154	316	295	250	223	18.0	17.5	15	17	376.3	338	98	0.985	4
421	Slazenger	Panther Pro-Ceramic	1985	686	180	320	300	250	228	19.6	19.3	16	19	352.9	314	107.5	0.605	4
422	Snauwaert	Hi-Ten 50	1986	675	181	354	331	271	252	19.9	19.5	12	16	404	312	133.5	0.41	4
423	Spinspot	TS-802	1986	686	188	332	306	250	224	19.0	19.0	16	19	344	338	117	0.495	4
424	Kuebler	Resonanz R30	1986	685	163	340	319	253	232	28.0	24.0	16	19	359	332	220	0.25	4
425	Mad Raq	3 String	1986	677	185	388	312	260	244	17.7	17.0			355.1	319	121	0.52	4
426	ADA Badminton & Tennis	Mid-Plus	1986	688	190	371	341	251	241	21.5	20.1	18	21	329.8	321	127	0.36	3
427	Bonny	Bergelin Long String	1986	685	156	318	296	271	245	22.6	20.8	16	16	367.6	324	137	0.65	4
428	Wilson	Pro Select 1010	1986	681	176	363	345	280	252	18.5	17.4	16	19	355.7	309	101	0.45	4
429	Donnay	Pro 25, Graphite Midsized	1987	686	192	323	299	252	238	17.0	17.0	16	19	359	325	128	0.7	4
430	Wilson	ProStaff	1988	685	192	330	305	251	221	17.9	17.3	16	18	360.4	315	142.5	1.71	4
431	Wilson	ProStaff 6, Sampras	1988	685	192	330	305	251	221	17.9	17.3	16	18	381.1	328	138.5	1.84	4
432	Mad Raq	-	1988	679	185	358	344	276	261	23.9	20.6			328.5	340	144	2.235	4
433	Chris New Tech Sport	Chris CTE 5 Star Power	1988	685	189	348	315	252	221	17.0	15.5	16	19	350.7	315	150	0.315	4
434	Pirelli & Co.	Pirelli Technort Stratos	1988	673	180	341	314	280	258	27.5	22.0	16	19	459	298	115	1.955	4
435	Dunlop	max 300i	1989	686	168	328	301	250	224	22.0	14.0	18	20	357	322	115	1.6	4
436	Yonex	R-27	1989	681	195	344	313	240	220	18.6	18.1	16	19	370.2	318	135	0.365	4
437	Grays of Cambridge	(Blurred)	1990	687	243	288	273	224	195	23.1	23.0	18	21	404.1	339	107.5	0.735	1

438	Prince	Spectrum Comp	1990	681	191	333	326	282	254	19.6	19.6	18	20	343.7	319	127	0.345	4
439	Dynaspot Corporation	Dynaspot	1990	682	197	330	300	260	232	20.3	19.6	14	18	338	321	119	0.605	4
440	Kuebler	Original Widebody 280 Hz	1991	685	165	361	347	264	247	33.0	23.0	18	21	354	317	242	0.255	4
441	Kuebler	Original Wideboy, Easy Play Comfort	1991	705	182	380	361	277	261	29.0	20.0	18	20	302	371	163	0.395	4
442	Wilson	staff 250 st graphite	1991	685	189	344	322	262	234	25.0	20.0	16	18	329	328	137.5	0.425	4
443	Wilson	Wilson Pro Staff Classic	1991	681	166	334	321	255	234	22.5	22.5	18	20	361.9	309	143	0.64	4
444	Head	Genesis Lady	1992	680	174	398	372	273	242	24.0	23.0	16	19	276	375	167	0.31	4
445	Prince	Synergy Extender	1992	685	184	405	378	283	260	34.0	26.0	16	21	297	367	169	0.55	4
446	Head	720 Graphite Director	1993	683	202	373	353	278	256	26.0	21.0	18	19	338	330	128	0.39	4
447	Prince	Mono	1993	688	180	360	328	270	245	23.0	22.0	16	21	328	304	152.5	3.815	4
448	Life Sport	Magic Sport, Vabrieflex	1993	686	184	324	300	256	224	22.0	14.0	16	18	357	328	153	0.39	4
449	Wilson	Hammer 2.7	1993	683	167	368	345	283	260	37.0	28.0	18	20	279	380	208	0.525	4
450	Wilson	Sledgehamer (Blurred)	1993	685	190	348	323	265	242	14.7	14.7	16	20	301.7	367	137	1.01	4
451	Prince	Extender	1994	686	183	401	382	274	262	26.1	26.1	16	21	285.7	364	180	0.43	4
452	Head	Volcano	1995	685	175	360	340	260	240	24.0	22.0	16	19	356	340	102	0.515	4
453	Dunlop	Enforcer MAX	1995	722	211	382	361	275	255	27.0	21.0	16	20	279	390	162	0.355	4
454	Pottak	33.0	1995	694	185	374	353	263	241	26.0	21.0	16	20	266	364	184	0.515	4
455	Wilson	Sting 2	1995	681	185	319	311	251	223	16.8	16.8	16	18	361.6	328	123	0.835	4
456	Head	Legend, Ovesize XL	1996	710	215	372	350	263	240	24.0	24.0	16	19	286	350	138.5	0.415	4
457	Head	Pure Competition, Twin Tube	1996	694	192	367	340	275	245	21.0	21.0	18	19	333	330	141	0.315	4
458	Prince	Micahel Chang, Graphite	1996	714	210	366	339	284	260	21.0	20.0	16	19	305	345	130	0.36	4
459	Head	Ti.S7, Titanium Tennis	1997	714	209	493	455	276	246	30.0	27.0	16	20	255	380	195	0.615	4
460	Head	Ti.S6	1997	705	201	393	368	281	251	29.0	20.0	16	19	247	387	176	0.49	4
461	Slazenger	Classic 27	1997	685	207	347	326	267	247	26.0	16.0	16	18	307	331	121	0.315	4
462	Blackburne	Blackburne DS 107	1997	682	190	360	341	281	266	25.4	25.4	16	20	301.6	374	155	1.92	4
463	Fischer	Revolution, Vacuum Pro 98	1998	699	191	347	325	264	242	25.0	16.0	16	20	340	324	131	0.395	4
464	Wavex	Wavex	1998	690	201	364	335	285	264	24.0	23.0	16	19	315	340	155	0.355	4
465	Wilson	Hammer Outer Limit 3.5	1998	731	195	421	390	312	280	28.5	28.5	18	21	311.8	382	159.5	1.325	4
466	Head	Ti.Heat, Anti.torsion	1999	684	183	362	345	262	244	21.0	21.0	18	19	288	344	150	0.405	4
467	Gamma	Big Bubba - Xtra long 32"	2000	811	237	420	398	308	285	27.0	25.0	18	21	282	430	117	0.545	4
468	Volkl	Catapult 2, generation II	2000	709	188	386	356	283	255	28.0	23.0	14	20	271	361	171	0.82	4
469	Babolat	Pure Drive	2000	685	180	353	328	267	256	25.0	16.0	16	19	316	330	168.5	0.335	4
470	Volkl	Tour, 845 cm	2000	687	192	355	330	267	245	23.0	23.0	16	18	292	330	146	0.495	4
471	Volkl	Quantum, catapult 3	2000	704	187	388	364	287	250	29.0	22.0	14	20	268	353	184.5	0.655	4
472	Tecno	Spider 2 CPS	2000	660	160	360	339	264	246	24.0	17.0	16	19	284	348	131.5	0.525	4
473	ITF	Development Programme, Wide Body	2002	686	186	348	323	268	243	25.4	25.4	16	18	340	333	143	0.335	4
474	Babolat	Vs Nanotube	2002	692	198	372	345	290	250	27.0	19.0	16	18	246	375	190	0.38	4
475	Wilson	Triad 2.0, Triad Hammer	2003	708	192	407	378	300	270	32.0	21.0	16	20	289	365	195	2.75	4
476	Head	Air Cruiser, PowerMetal	2004	684	191	350	330	274	250	26.0	18.0	16	19	268	360	184	0.475	4
477	Volkl	Catapult V10, v-engine	2004	690	190	368	341	277	241	26.0	22.0	16	19	325	331	154	0.37	4

478	Wilson	Hammer 6.7	2005	688	180	371	347	258	231	28.1	28.1	16	20	296.7	381	127.5	0.675	4
479	Dunlop	Aerogel 200	2005	691	190	348	322	253	233	22.2	21.8	16	18	364.3	323	124	0.5	4
480	Yonex	RA2000 Long	2006	707	211	366	336	263	240	28.0	22.0	16	19	319	341	126.5	0.42	4
481	Wilson	Pro Staff Six One Tour	2006	683	196	345	312	252	237	17.9	17.7	16	19	363.1	318	140	0.73	4
482	Head	Prestige Team, Mid Plus	2007	686	201	357	338	270	244	21.0	19.0	18	19	310	345	138	0.39	4
483	Head	Radical, Flexpoint	2007	688	196	346	323	260	235	22.0	22.0	18	20	316	329	137	0.38	4
484	Head	Metallix 2, flexpoint, stabilizer	2007	664	190	368	337	270	243	26.0	20.0	16	19	281	352	156.5	0.38	4
485	Head	Instinct Team, min plus	2007	684	182	355	335	270	248	26.0	17.0	16	19	283	353	147.5	0.53	4
486	Head	Extrememe Pro	2007	685	186	350	321	275	251	26.0	17.0	16	19	341	315	161	0.34	4
487	Head	Ti.2000	2008	686	202	360	340	278	255	23.0	17.0	16	19	281	340	123	0.29	4
488	Head	Heat, Flexpoint	2008	683	183	360	335	264	240	24.0	24.0	18	19	303	330	144	0.36	4
489	Prince	Ozone 7	2008	694	183	363	339	276	257	25.0	18.0	16	19	305	341	162	0.245	4
490	Neox	ET 320 Pro	2008	686	200	363	335	270	240	25.0	19.0	16	20	344	318	148	0.395	4
491	Neox	ST 285, carving	2008	680	194	360	335	270	240	32.0	23.0	16	20	284	345	155	0.495	4
492	Babolat	Aero Prop Drive	2008	681	201	340	325	260	250	26.1	23.2	16	19	335.4	334	144.5	0.42	4
493	Head	Crossbow 6	2009	695	185	368	340	287	262	30.0	15.9	16	19	276	364	175	0.4	4
494	Head	Radical Lite	2009	685	193	352	330	266	258	24.0	20.0	16	19	276	345	153	0.385	4
495	Head	Speed MP youtek	2009	685	190	349	325	272	250	20.0	16.0	18	20	312	328	141	0.38	4
496	Prince	Triple Threat	2009	713	176	388	358	285	260	29.0	18.0	16	19	283	360	221.5	0.555	4
497	Slazenger	Quad 305 Flex	2009	690	203	332	322	251	237	22.1	21.9	16	18	357.7	313	159	0.295	4
498	Head	Six, Youtek	2010	695	194	360	340	281	260	28.0	19.0	16	19	282	367	170	0.425	4
499	Wilson	K Factor, K Tour Team FX	2010	694	180	366	342	271	237	24.0	23.0	16	19	300	339	155	0.41	4
500	Wilson	Pro Team FX	2010	692	200	354	330	273	245	25.0	18.0	16	19	294	337	160	0.375	4
501	Head	-	2010	686	189	342	322	275	261	25.4	21.8	16	19	322.4	321	146	0.57	4
502	Prince	03 White	2010	696	220	341	325	265	251	24.8	22.9	16	19	318.2	342	140	0.69	4
503	Head	Crossbow, Airflow 3	2011	685	198	353	325	275	254	28.0	14.0	16	19	282	350	178.5	0.32	4
504	Prince	Rebel EXO3	2011	686	197	345	324	256	235	24.8	24.8	18	20	310	340	145	0.535	4
505	Prince	EXO3	2012	695	230	350	337	270	250	20.0	18.3	16	18	342.9	322	122.5	1.21	4
506	Dunlop	Biomimetic 500 Tour	2012	680	210	340	322	260	243	21.9	21.9	16	18	342.4	322	158	1.175	4
507	Head	YouTek IG Instinct MP	2012	687	215	351	332	255	246	25.0	21.4	16	19	322.9	325	147	0.775	4
508	Head	Etreme IG	2013	685	193	347	322	278	255	26.0	18.0	16	19	320	332	148	0.435	4
509	Prokennex	No.20, Core 1 System	2013	698	175	368	346	276	255	28.0	20.0	16	19	294	345	158	0.34	6
510	Prince	Rebel 98	2013	689	196	361	335	256	235	22.0	21.0	16	20	316	328	140	0.405	4
511	Babolat	Pure Storm	2013	689	185	354	328	264	240	23.0	22.0	16	20	307	336	140	0.4	4
512	Wilson	Pro staff RF97	2014	685	180	343	324	265	237	23.0	22.0	16	19	356	322	150	0.47	4
513	Prince	Warrior 100, EXO3	2014	690	202	356	330	270	249	29.0	26.0	16	19	321	330	147	0.33	4
514	Babolat	Pure Strike	2014	686	191	343	321	258	243	22.0	21.0	16	19	327	335	151	0.315	4
515	HEAD	Extreme Rev Pro	2015	688	194	357	318	281	256	26.0	25.0	16	16	295	353	139	0.4	4
516	HEAD	Prestige M7	2016	686	184	348	324	260	237	21.0	21.0	18	20	335	319	145.5	0.365	4
517	HEAD	Radical MPA	2016	684	194	354	328	264	242	24.0	12.0	16	16	315	325	152	0.355	4
518	Snauwaert	Grinta 98	2016	685	211	340	324	273	257	22.2	22.0	16	16	335.6	321	138	0.48	4
519	Wilson	Blade 98	2017	685	184	352	326	263	240	21.0	21.0	16	19	327	349	142	0.725	4

520	HEAD	Speed MP	2017	684	188	353	330	266	245	23.0	17.0	16	19	316	328	144	0.365	4
521	HEAD	Instinct Adaptive	2017	700	200	358	330	270	248	27.0	18.0	16	19	315	338	142	0.385	4
522	HEAD	Instinct PWR	2017	700	196	390	376	278	255	30.0	20.0	16	19	220	383	172	0.65	4
523	HEAD	MXG3, Magnesium 3D Chassis	2017	685	190	368	340	265	241	26.0	10.0	16	18	316	331	159	0.375	4
524	Babolat	Pure Aero	2017	685	188	350	325	270	250	25.0	17.0	16	19	325	333	150	0.345	4
525	Head	Prestige Zepp	2017	685	184	345	324	260	237	27.6	27.6	16	19	325.5	329	147	0.505	4