

	A	B	C	D	E	F	G	H	I	J	K
	Bassoon Name	SaxCJ11-O-Sigal	SaxCJ2-O-BrusMIM2625	SaxCJ3-O-Kampmann	SaxCJ4-O-Saelemaekers	SaxCJ5-O-BrusMIM1977.017	SaxCJ6-O-Stuttgart1994-214	SaxCJ7-O-STAM	SaxCJ8-O-NMM1308	SaxCJ9-O-RMMBrus301501	SaxCJ10-O-Vleeshuis1967.001.157
1											
2	I. Bocal		Short Format			Short Format		Short Format		Short Format	
3	dia reed end		No Bell							Could not remove wing	
4	bocal string length (0, 1)										
5	metal bocal length top (0, 1)										
6	metal bocal length bot (0, 1)										
7	dia wj end										
8											
9	bocal logic	2	2	2	2	2	2	2	2	2	2
10											
11											
12											
13											
14	II. Wing Joint Lengths										
15	choke bore dia.	9.5	10.1	10.4	9.5	9.1	9.9	10.8	9.1	9.5	8.9
16	receiver length (1, 0) (formally choke length)	34	40	47	46	45	58	48	34	40	53
17	wing joint length	508	521	513	501	518	516	CM	515	467mm no tenon	516
18	tenon length	45.8	46.5	46.7	45.8	46.5	46.5	CM	46.8	cm	46.6
19											
20	wj f2	221	233	219	210	229	217	221	225	225	211
21	wj e	287	298	290	298	301	285	292	290	292	292
22	wj d	332	340	335	335	340	333	337	335	335	334
23											
24	Bore dia. Bottom of wing joint	16.5	16.3	16	14.8	15.3	14.8	16.4*	16.2	cm	15.2
25	Bore dia. top of boot joint small side	16.7	15.8	17.1	16.6	17	17.6	CM	17.3	cm	16.8
26	Bore dia. top of boot joint large side	25.5	24.6	24.5	24.7	25.1	24.8	24.8	24.1	24.1	24.7
27											
28	III. Boot Lengths										
29	bj logic	1	1	1	1	1	1	1	1	1	1
30	bj c	90	100	94	90	105	86	90	85	cm	93
31	bj b	152	162	156	156	160	148	155	150	cm	152
32	bj a	189	205	192	204	250	192	193	190	cm	190
33											
34	bjstotal [Needed for both boot logics]	432	447	418	423	421	420	423	425	423	425
35	bjltotal [Needed for both boot logics]	432	447	418	423	421	420	423	425	423	425
36	plug small [Need for logic 0 only]	0	0	0	0	0	0	0	0	0	0
37	plug large [Need for logic 0 only]	0	0	0	0	0	0	0	0	0	0
38											
39	boots [Needed for both boot logics]	383	390	383	372	391	386	384	385	384	391
40	bootl [Needed for both boot logics]	383	390	383	372	391	386	384	385	384	391
41											
42	boots bottom [Needed for both boot logics]	30	21.5	26	29	10	0	21	23	16	9
43	bootl bottom [Needed for both boot logics]	30	21.5	26	29	10	0	21	23	16	9
44											
45	extreme bore [Needed for logic 1 only]	43.8	40.3	42.2	42	43.5	43	43	42	43.5	42
46											
47	septum length exp [Need for logic 0 only]					0	33				
48	septum length calc - do not input value	49	57	35	51	30	34	39	40	39	34
49	septum length - do not input value	49	57	35	51	30	34	39	40	39	34
50											
51	sbore dia sep* [Needed for both boot logics]	19.1	19	19	19.1	19.1	18.6	CM	18.5	cm	18.8
52	lbore dia sep* [Needed for both boot logics]	19.1	19.1	19.2	19.3	19.2	19.6	19.3	19.5	19.3	18.4
53	sep width exp [Need for logic 0 only]			0			5.5				
54	sep width calc - do not input value	5.6	2.2	4	3.6	5.2	4.8	#VALUE!	4	#VALUE!	4.8
55	sep width - do not input value	5.6	2.2	4	3.6	5.2	4.8	#VALUE!	4	#VALUE!	4.8
56											
57	bj g	340	344	337	332	340	323	340	345	330	344
58	bj fl	136	146	137	137	136	126	132	130	134	130
59											
60											
61											
62											
63											
64	IV. Tone Hole Diameters										
65	f2	4.9	5.5	5.3	5.5	5.7	5.7	5.4	6.2	5.2	5.7
66	e	5.8	6.1	6	6.2	5.8	5.8	5.8	5.6	6.3	5.6
67	d	5.5	5.8	5.6	6.2	5.8	5.2	5.5	5.6	6	5.5
68											
69	c	9	8.3	8.8	7.3	8.8	7.8	8.9	8.4	9.3	8.8
70	b	8.5	7.4	7.3	6.8	7.8	8.4	7	8.6	7.8	7.6
71	a	6.5	6.9	5.6	6	6.9	6.8	5.7	5.9	6.1	5.8
72	g	10.3	10.3	9.5	8.8	10	9	9.3	10	10	9.8
73	f1	9.8	9.8	8.8	9.3	10.2	10.2	9.3	10.7	9.8	9.2
74											
75	e1	13.4	13.2	13.3	13.1	13.1	13.1	CM	14.6	13	13.6
76	d1	9.4	10	10.4	11	12.3	11.7	9.6	9.5	11.2	11.3
77	c1	16	15.7	16	16.5	13.1	13.7	15.8	16.9	14.6	17
78											
79											
80											
81											
82											
83	V. Tone Hole Depths										
84	f2	31.1	28	36	46.5	31.5	32.5	36	32	cm	39.5
85	e	29	26.5	29	34	30.5	28.5	31	28	cm	30.2
86	d	30	26	32	34	32	32	32	31.5	cm	32
87											
88	c	28.4	26	23.8	27.5	20	25	26.4	24	cm	20.8
89	b	28.7	27.5	25	24.5	19	17.5	27	25.5	cm	22
90	a	27.5	26	25	27.5	0	28.5	28.5	25	cm	21.3

	A	B	C	D	E	F	G	H	I	J	K
91	g	19.5	16	17	17	15	18	21	18	18.5	17
92	f1	23.7	25	19.2	20	16.5	21.5	22.5	23	23.7	20.6
93											
94	e1	6.8	5.5	6.8	6.5	5.8	5.9	CM	5.8	6.9	6.4
95	d1	7.5	5.2	7.3	6.5	5	5.9	8.2	6	7	6.3
96	c1	8.2	5.8	3.5	7.8	6.4	8	7.5	7	3.4	7
97											
98											
99											
100											
101											
102	VI. Long Joint										
103	lg_length	605	582	617	605	612	612	618	616	617	615
104	lg_tenon_bot	44.6	47.3	47.7	46.6	43	46.8	48.8	46.4	48.6	47
105	lj_bot_bore	23.7	23.7	24.7	23.7	24.7	23.9	24.2	24.3	24.9	23.2
106	lj_top_bore	34.4	32.3	34.5	33.1	32.5	32.5	34.3	32.7	33.5	31.7
107	lg_tenon_top	37.8	29.7	37.8	37	36.5	38.1	38.4	37.4	39.2	37
108	e1 distance	55	60	60	58	51	54	CM	57	60	54
109	d1 distance	250	261	255	263	266	262	254	262	251	262
110	c1 distance	464	467	543	539	540	535	470	540	540	540
111											
112											
113											
114											
115											
116	VII. Bore diameters at Tone Holes										
117	f2	12.4	12.5	12.4	12.1	11.8	11.9	CM	12.1	cm	11.7
118	e	13.3	13.6	13.8	12.9	13.4	13.4	13.1	13.2	cm	12.5
119	d	14.3	14.6	14.3	13.3	13.7	13.6	13.8	13.6	cm	13.3
120											
121	c	17.1	15.8	17.6	16.7	17.2	17.4	CM	17.3	cm	17.6
122	b	17.6	17.1	18.2	17.3	17.9	17.7	CM	17.5	cm	18
123	a	17.6	17.1	18.4	17.7	0	18.1	CM	18.1	cm	18.1
124	g	19.3	19.5	20.1	20.2	20.4	20.5	20.1	19.6	20.1	18.7
125	f1	23.6	21.9	23.7	22.9	23.3	22.8	23.4	22.6	23.1	23.3
126											
127	e1	24.5	24.8	24.7	24.3	24.7	24.7	CM	24.8	24.5	24.3
128	d1	27.1	27.9	28.4	27.7	28.1	27.8	26.5	27.7	27.3	28
129	c1	31.2	30.7	32.9	31.2	31.1	31.1	30.2	31.2	32.7	31.1
130											
131											
132											
133											
134											
135	VIII. Bell										
136	bell logic	0		0	1	0	0	0	1	0	1
137	bell_length (0, 1, 2)	330		330	297	297	297	375	297	334	295
138	bell_bot_bore (0, 1, 2)	33.5		33.1	32	32.6	32	32.1	30.9	32.9	32
139	bell_top_bore 0, (1, 0, 2)	37.3		36.5	31.1	33.5	32.7	35.8	32.2	33.1	32
140	bell_center_bore (only for logic 2)										
141	bell_wall (only for logic 2)										
142	bell_bot_bore_expansion (only for logic 2)										
143	Outside diameter of wood at expansion										
144	bell_tenon (0, 1, 0, 2)	38		38.8	37	36.5	38	38.4	38.2	40	37.2
145	bell_expansion_length (only for logic 2)										
146	belflg	45		45.8	41	39.5	38.5	92	38	40	41
147											
148											
149	IX. PITCH										
150	pitch	430	430	430	430	430	430	430	430	430	430
151	freq_init	380	380	380	380	380	380	380	380	380	380
152	Delta frequency	3	3	3	3	3	3	3	3	3	3
153	Number of frequencies	18	18	18	18	18	18	18	18	18	18
154	Frequency adjust	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
155	X. Title										
156	title										
157											
158											
159											
160	XI. Bore Diameter Locations										
161		23	20	19	21	21	19		20		20
162	Bell Bore: SaxCJ1-O-Sigal	9.5	10.1	10.4	9.5	9.1	9.9	10.8	9.1	9.5	8.9
163	33.5mm dia. at socket	462	0	0	375	408	440	0	404		382
164	33mm rod 75mm from socket	410	420	425	330	338	365	330	350		318
165	32mm rod 160mm from socket	327	335	332	290	270	280	CM	305		288
166	31.5mm rod 190mm from socket	255	265	266	185	250	255	185	243		200
167	31.3mm rod 200mm from socket	196	195	196	90	110	110	105	120		100
168	32mm rod 110mm from bell top	140	170	155	0	0	0	50	61		0
169	33mm rod 103mm from bell top	19	115	0	0	0	0	6	0		0
170	34mm rod 100mm from bell top	94	155	0	110	98	0	CM	0		63
171	38mm rod 85mm from bell top	258	345	125	275	170	170	CM	180		145
172	40mm rod 80mm from bell top	370	0	0	360	310	0	CM	0		332
173	Bell expands to 50mm at widest pt of chamber	325	320	358	355	375	375	352	358	355	300
174	50mm at widest pt is 303mm from socket	302	232	285	295	305	310	295	295	255	268
175	or 27mm from bell top	270	140	218	215	230	230	218	210	205	198
176	From 50mm at widest pt, contracts to 37.5	185	75	170	130	160	120	150	103	135	155
177	37.5mm dia. at bell end	578	538	122	563	120	585	563	590	90	560
178		478	495	530	515	535	535	470	535	525	522
179		404	430	478	455	480	495	380	505	440	462
180		364	400	405	400	435	425	345	425	380	412
181		315	295	375	325	350	330	285	322	325	354
182		222	220	335	258	262	235	230	245	275	280
183		185	165	295	130	130	130	195	133	250	145
184		144	70	170	80	78	90	165	79	158	85
185		96	0	125	28	20	30	100	33	122	0