

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Bassoon Name	Porthaux1-O-Sigal	Porthaux2-O-Kampmann	Porthaux3-O-MET1999.307 9	Porthaux3-O-MET1999.307 9	Porthaux4-O-Base1887.183	Porthaux4-O-Base1887.183	Porthaux5-O-Vichy	Porthaux6-O-BateX30	Porthaux7-O-BateX36	Porthaux8-O-BrusMIM3118	Porthaux9-O-PrivateCollection	Porthaux10-O-BrusMIM4355	Porthaux11-O-BrusMIM40026
2	I. Bocal			Wing 1	Wing 2	Wing 1	Wing 2						Short Format	Short Format
3	dia reed end	4.2		4.2	4.2	4.3	4.3							
4	bocal string length (0, 1)	30		32	32	25	25							
5	metal bocal length top (0, 1)	335		337	337	328	328							
6	metal bocal length bot (0, 1)	314		315	315	310	310							
7	dia wj end	9.2		9	9	9.5	9.5							
8														
9	bocal logic	2	2	0	0	2	2	2	2	2	2	2	2	2
10														
11														
12														
13														
14	II. Wing Joint Lengths													
15	choke bore dia.	9.2	9.1	9.2	9.3	7.6	8.2	9.8	8.7	9.7	9.7	9.3	9.7	9.7
16	receiver length (1, 0) (formally choke length)	49	39	45	44	49	66	49	51	36	40	50	52	62
17	wing joint length	516	498	490	510	490	510	513	535	501	500	512	529	507
18	tenon length	514	50.4	53.6	54.3	47.4	46	54.2	49.4	47.5	50.8	42.5	53.8	44.9
19														
20	wj f2	213	214	196	212	196	215	213	228	201	205	225	221	211
21	wj e	282	287	278	290	273	295	292	297	279	292	305	298	286
22	wj d	327	329	319	328	313	335	337	338	324	330	341	344	326
23														
24	Bore dia. Bottom of wing joint	15.1	15.5	15.8	15.7	15.7	15.1	16	16	15.5	15	15	15.7	13.6
25	Bore dia. top of boot joint small side	15.8	15.1	15.9	15.9	15.8	15.8	15.4	16.3	16	15.4	15.5	15.8	15.5
26	Bore dia. top of boot joint large side	23.4	24.4	23.1	23.1	24.9	24.9	22.1	25.4	24.9	24.7	24.9	23.4	23.3
27														
28	III. Boot Lengths													
29	bj logic	1	1	1	1	1	1	1	1	1	1	1	1	1
30	bj c	90	88	97	97	90	90	97	87	97	92	91	92	87
31	bj b	150	153	154	154	148	148	153	150	143	158	155	154	156
32	bj a	189	198	196	196	194	194	193	192	189	198	193	201	209
33														
34	bjstotal [Needed for both boot logics]	432	435	432	432	430	430	432	430	434	433	432	430	430
35	bjltotal [Needed for both boot logics]	432	435	432	432	430	430	432	430	434	433	432	430	430
36	plug small [Need for logic 0 only]	0	0	0	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	0	0	0
38														
39	boots [Needed for both boot logics]	392	389	391	391	395	395	389	397	395	391	394	389	392
40	bootl [Needed for both boot logics]	392	389	391	391	395	395	389	397	395	391	394	389	392
41														
42	boots bottom [Needed for both boot logics]	20	17	17.5	17.5	12.5	12.5	23	17.5	19	15	17	19	22
43	bootl bottom [Needed for both boot logics]	20	17	17.5	17.5	12.5	12.5	23	17.5	19	15	17	19	22
44														
45	extreme bore [Needed for logic 1 only]	48.3	45.5	40.9	40.9	41.9	41.9	44.5	39.5	40	41.5	39	45	42.1
46														
47	septum length exp [Need for logic 0 only]	44	0	0	0	0	0	0	0	0	0	0	0	39
48	septum length calc - do not imput value	40	46	41	41	35	35	43	33	39	42	38	41	38
49	septum length - do not imput value	40	46	41	41	35	35	43	33	39	42	38	41	38
50														
51	sbore dia sep* [Needed for both boot logics]	19.1	17.8	18.4	18.4	18.5	18.5	18.5	18.4	18.8	18.5	18.6	18.4	18.7
52	lbore dia sep* [Needed for both boot logics]	19.3	19	18.6	18.6	19.2	19.2	19	19	20.2	19.1	19	19.2	18.7
53	sep width exp [Need for logic 0 only]	0	0	0	0	0	0	0	0	0	0	0	0	0
54	sep width calc - do not imput value	9.8	8.7	3.9	3.9	4.2	4.2	7	2.1	1	3.9	1.4	7.4	4.7
55	sep width - do not imput value	9.8	8.7	3.9	3.9	4.2	4.2	7	2.1	1	3.9	1.4	7.4	4.7
56														
57	bj g	323	333	334	334	340	340	335	340	325	335	335	335	337
58	bj f1	136	146	154	154	132	132	150	134	133	151	139	153	145
59														
60														
61														
62														
63														
64	IV. Tone Hole Diameters													
65	f2	5	5.6	5.5	5.3	5.4	5.7	6	4.8	5.7	6.4	5.1	5.7	6
66	e	5.5	6.3	5.7	5.9	5.7	5.8	6.1	5.5	6.2	6	6.1	6.3	5.9
67	d	5.7	5.6	5.4	5.3	5.5	5.8	5.8	4.9	5.6	5.5	5.4	6	6.3
68														
69	c	8.5	7.3	7.2	7.2	7.1	7.1	7.5	7.1	8.4	7.1	7.7	7.5	7.5
70	b	7.3	6.8	6.8	6.8	7	7	6.9	6.5	6.7	6.4	7	6.8	7.3
71	a	5.9	6.4	5.9	5.9	5.8	5.8	6.4	5.9	5.7	6.3	5.7	6.4	6.5
72	g	10.3	9	8.3	8.3	8.4	8.4	7.9	8.4	10	8	9.4	8.2	8.7
73	f1	8.6	8.3	8.6	8.6	8.8	8.8	8.3	7.8	9	8	9.3	8.3	9
74														
75	e1	10.2	13.9	11.7	11.7	10.2	10.2	12.9	11.5	10.9	14.5	10.4	11.5	9.4
76	d1	8.5	7.5	8.6	8.6	8.3	8.3	8.3	8	8.5	8.6	8	8.3	8.1
77	c1	13.2	15.2	13.8	13.8	11.3	11.3	14.3	10.9	10.9	14	12.8	13.7	14.4
78														
79														
80														
81														
82														
83	V. Tone Hole Depths													
84	f2	33.2	32.7	33.5	32.4	30.3	29.1	32.6	28.8	33	44	29	34.9	32
85	e	29	28	34.1	34.7	29.9	29.4	33.8	25.4	29.5	36	33	31.5	31.2
86	d	29	29	32.4	30.4	27.5	34	35.9	27	33.9	38	34	38	34.4
87														
88	c	29	27.8	23	23	25.6	25.6	23.1	24.2	23.5	26	23.8	30	26.5
89	b	30	25.6	28.8	28.8	24.4	24.4	21.9	23.6	22.7	28	27	28.5	23
90	a	30	26.9	28.3	28.3	25.8	25.8	23.6	23.3	25.5	28.5	23.6	37.5	26
91	g	18	15.8	18.7	18.7	15.6	15.6	14.2	12.8	13.7	13.6	14.2	19.5	17.5
92	f1	20.5	19.9	24	24	16	16	20.3	19.5	17.8	25	24	20.2	20
93														
94	e1	7.5	9.5	9.6	9.6	8.3	8.3	10.7	8.8	10.8	9.4	8	10.3	8
95	d1	8	9.4	10.1	10.1	6.9	6.9	10.4	8.8	12	10.7	5.5	9.8	8
96	c1	8.8	10.9	10.3	10.3	7.4	7.4	9.8	7.8	10	11.7	7	9.8	8
97														
98														
99														
100														
101														
102	VI. Long Joint													
103	lg length	589	604	615	615	605	605	614	608	579	602	581	615	563
104	lg tenon bot	50.5	53	52.5	52.5	46.9	46.9	53	48.8	47.6	52.5	46.5	53	46
105	lj bot bore	25.3	25.5	24.8	24.8	25.4	25.4	24.1	24.3	24	24.8	24.8	24.2	23.6
106	lj top bore	32.5	33.4	31.7	31.7	29.5	29.5	32.5	30.3	33.4	33	32	31.5	32.5
107	lg tenon top	41	37.1	38.4	38.4	37.6	37.6	37.3	41.6	39.7	39.1	34.5	37.7	38.6
108	e1 distance	63	60	60	60	55	55	62	57	51	59	50	61	48
109	d1 distance	263	267	259	259	258	258	264	257	258	267	251	266	247
110	c1 distance	481	482	488	488	491	491	487	491	471	489	467	488	454
111														
112														
113														
114														
115	VII. Bore diameters at Tone Holes													
116	f2	12.1	12.2	11.4	11.4	11.7	11.6	11.6	12	12.3	12.1	12.3	12.2	12
117	e	13.7	13.2	12.7	12.6	12.7	12.5	13	13.3	13.6	13.4	13.3	13.8	13
118	d	13.9	13.6	13.2	13.1	13.3	13.1	13.6	13.8	13.				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
124	g	19.7	20.4	19.1	19.1	20.6	20.6	20.6	20.4	21	20.3	19.1	19.5	19.6
125	f1	22.5	22.6	20.9	20.9	23.5	23.5	20.8	23.8	23.1	22.7	23.2	22.2	22.1
126														
127	e1	25.3	26.6	25.2	25.2	25.7	25.7	25.2	24.8	25.2	26.3	25.4	25.2	24.2
128	d1	28.1	29.6	26.8	26.8	26.7	26.7	28.2	28.7	26.8	29.3	28.9	28.2	27.3
129	c1	31.7	31.8	28.7	28.7	29.3	29.3	31.3	29.3	31.2	31.5	30.5	30.9	31.2
130														
131														
132														
133														
134														
135	VIII. Bell													
136	bell logic	1	0	1	1	0	0	0	0	1	1	1		
137	bell_length (0, 1, 2)	333	334	334	334	321	321	333	312	335	332	315		
138	bell_bot_bore (0, 1, 2)	34.8	34.6	32.9	32.9	29.2	29.2	33	29.5	31.4	34.4	32.1		
139	bell_top_bore 0, (1, 0, 2)	31.3	34.8	30.2	30.2	29.6	29.6	34.8	34.3	30.3	34	30.6		
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)	42.8	38.2	38.1	38.1	38.1	38.1	37.2	41.3	39.5	39.4	38.2		
145	bell_expansion_length (only for logic 2)													
146	bellg	36	38.5	34.5	34.5	34.5	34.5	38.7	38.7	34.4	44.5	43		
147														
148														
149	IX. PITCH													
150	pitch	415	430	430	430	430	430	430	430	430	430	430	430	430
151	freq_init	360	380	380	380	380	380	380	380	380	380	380	380	380
152	Delta frequency	2	2	2	2	2	2	2	2	2	2	2	2	2
153	Number of frequencies	80	60	60	60	60	60	60	60	60	60	60	60	60
154	Frequency adjust	1.087	1.05	1.05	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		22	21	21	21	19	19	17	19	20	20	19	20	22
162		9.2	9.1	9.2	9.2	7.6	8.2	9.8	8.7	9.7	9.7	9.3	9.7	9.7
163		415	382	358	358	375	359	449	398	435	442	415	445	420
164		346	345	325	325	343	313	356	343	375	358	362	387	332
165		302	295	256	256	262	258	275	304	302	308	310	330	297
166		275	225	188	188	208	180	0	254	252	252	220	280	230
167		175	142	129	129	79	14	134	162	120	0	155	200	140
168		9	16	25	25	12	3	42	8	8	0	0	40	0
169		100	80	96	96	123	123	0	0	0	95	80	95	146
170		144	137	162	162	194	194	0	187	178	52	0	245	204
171		192	0	233	233	280	280	245	285	325	215	215	305	288
172		385	383	365	365	0	0	0	397	0	0	0	0	382
173		309	358	199	199	364	364	219	360	0	354	295	308	330
174		235	275	150	150	325	325	135	310	325	250	275	265	237
175		180	208	108	108	335	335	75	273	265	210	255	180	164
176		70	143	65	65	190	190	0	215	165	140	190	98	80
177		0	110	0	0	205	205	595	125	90	115	95	0	534
178		550	0	580	580	58	58	555	545	525	585	555	565	473
179		443	570	386	386	462	462	442	435	485	552	465	445	403
180		401	520	340	340	300	300	395	385	335	480	390	400	335
181		317	452	308	308	242	242	357	360	270	427	360	363	272
182		235	385	103	103	216	216	270	340	210	370	295	185	232
183		164	305	74	74	0	0	202	0	150	260	155	150	185
184		130	237	40	40	0	0	145	0	115	170	70	110	121
185		9	112	0	0	0	0	0	0	19	35	0	0	51