

	A	B	C	D	E	F
	Bassoon Name	Scherer1-O-Met89.4.886-Wg1-WB-DNM	Scherer2-O-Rijks-Wg1-WOB-DNM	Scherer3-O-Kiefer-Wg1-WOB-DNM	Scherer4-O-Bellrive-Wg1-WOB-DNM	Scherer5-O-Bachhaus-Wg1-WOB-DNM
1						
2	I. Bocal			with Scherer2 wing in Purple		
3	dia reed end	4.8			3.8	
4	bocal string length (0, 1)	36.8			31	
5	metal bocal length top (0, 1)	347			330	
6	metal bocal length bot (0, 1)	316			317	
7	dia wj end	11.8			10.7	
8						
9	bocal logic	2	2	2	2	2
10	No. of keys	4	4	4	4	4
11						
12						
13						
14	II. Wing Joint Lengths					
15	choke bore dia.	9.5	10	10	10.3	9.6
16	receiver length (1, 0) (formally choke length)	36.8	64	64	56	24.2
17	wing joint length	550	555	555	558	542
18	tenon length	46.3	42.8	42.8	47.1	40.8
19						
20	wj f2	212	222	222	219	228
21	wj e	272	273	273	270	291
22	wj d	325	324	324	318	331
23						
24	Bore dia. Bottom of wing joint	17.1	16.8	16.8	18.9	16.9
25	Bore dia. top of boot joint small side	17.7	19.2	19.3	19.2	18.8
26	Bore dia. top of boot joint large side	23.2	23.4	23.5	24	24.2
27						
28	III. Boot Lengths					
29	bj logic	1	1	1	1	1
30	bj c	83	89	91	89	85
31	bj b	143	141	142	140	151
32	bj a	197	189	190	193	195
33						
34	bjstotal [Needed for both boot logics]	413	426	453	426	427
35	bjltotal [Needed for both boot logics]	413	426	453	426	427
36	plug small [Need for logic 0 only]	0	0	0	0	0
37	plug large [Need for logic 0 only]	0	0	0	0	0
38						
39	boots [Needed for both boot logics]	374	387	396	385	385
40	bootl [Needed for both boot logics]	374	387	396	385	385
41						
42	boots bottom [Needed for both boot logics]	10.6	24	26	31.5	30
43	bootl bottom [Needed for both boot logics]	10.6	24	26	31.5	30
44						
45	extreme bore [Needed for logic 1 only]	41.3	46.8	49	49.1	47.1
46						
47	septum length exp [Need for logic 0 only]	0	0	0	32.1	
48	septum length calc - do not imput value	39	39	57	41	42
49	septum length - do not imput value	39	39	57	41	42
50						
51	sbore dia sep* [Needed for both boot logics]	18.9	20.1	19.3	20.1	19.1
52	lbore dia sep* [Needed for both boot logics]	21.5	20.3	19.3	20.1	19.2
53	sep width exp [Need for logic 0 only]	0	0	0	10.1	0
54	sep width calc - do not imput value	0.9	6.4	10.4	8.9	8.8
55	sep width - do not imput value	0.9	6.4	10.4	8.9	8.8
56						
57	bj g	350	350	348	345	337
58	bj f1	135	135	144	133	142
59						
60						
61						
62						
63						
64	IV. Tone Hole Diameters					
65	f2	6	5.6	5.6	5.1	5.5
66	e	5.9	5.3	5.3	5	5.8
67	d	5.9	5.1	5.1	4.8	5.7
68						
69	c	7.8	7.8	8.2	8.4	9.3
70	b	6.9	6.8	7.5	6.5	7.4
71	a	5.8	6	6.6	5.9	5.8
72	g	7.9	9.1	10.8	8.9	10.1
73	f1	8.9	12.5	12.8	10.9	11.2
74						
75	e1	11.8	13.7	14.4	12.6	15.1
76	d1	9.9	13.3	13.1	13.2	12.4
77	c1	10	12.5	16.8	11.6	14.1
78						
79						
80						
81						
82						
83	V. Tone Hole Depths					
84	f2	28.4	18.3	18.3	18.6	22.1
85	e	27.1	18.1	18.1	18	20.5
86	d	32.6	19.6	19.6	20.2	22.1
87						
88	c	27.8	20	20.5	22.9	19.3
89	b	24.2	20.6	23	21.6	21.8
90	a	30.5	20.8	27	25	23.5

	A	B	C	D	E	F
91	g	18.7	14.8	17.3	15.4	16.3
92	f1	25.9	19.4	18	23.1	20.5
93						
94	e1	12.6	6.5	7.5	9.7	8.3
95	d1	10.3	9.9	8.5	10.3	9
96	c1	11	9.1	8.7	9.6	98.5
97						
98						
99						
100						
101						
102	VI. Long Joint					
103	lg_length	614	598	612	590	585
104	lg_tenon_bot	47.4	44.8	49.1	46.1	47.6
105	lj_bot_bore	23.2	24.1	23.3	24.7	24
106	lj_top_bore	30.9	31.3	30.2	32	31.1
107	lg_tenon_top	32.8	36.4	32.5	42.4	23.5
108	e1_distance	63	63	55	55	61
109	d1_distance	268	275	272	262	268
110	c1_distance	494	495	509	481	496
111						
112						
113						
114						
115						
116	VII. Bore diameters at Tone Holes					
117	f2	12.2	12.9	12.9	12.8	12.8
118	e	13.3	13.8	13.8	13.3	13.5
119	d	14	14.2	14.2	14.2	13.9
120						
121	c	18	19	19.3	19	19.1
122	b	18.4	19.5	19.3	19.6	19.1
123	a	18.7	19.6	19.3	19.6	19.1
124	g	21.6	20.7	19.6	20.3	20.1
125	f1	23.1	22.8	23.3	22.8	23.2
126						
127	e1	25	24.3	24.3	24.8	25
128	d1	28.3	28.1	28.9	28.1	28.3
129	c1	30.2	30.3	30.3	30.5	30.4
130						
131						
132						
133						
134						
135	VIII. Bell					
136	bell_logic	1	1	1	1	1
137	bell_length (0, 1, 2)	317	304	304	308	278
138	bell_bot_bore (0, 1, 2)	32.1	30.4	31.7	31.4	30.2
139	bell_top_bore 0, (1, 0, 2)	28.8	26.4	28.8	29.5	28.9
140	bell_center_bore (only for logic 2)					37
141	bell_wall (only for logic 2)					9
142	bell_bot_bore_expansion (only for logic 2)					205
143	Outside diameter of wood at expansion				54	55
144	bell_tenon (0, 1, 0, 2)	34.6	45.6	33.8	42.2	23.8
145	bell_expansion_length (only for logic 2)				65	42
146	bellfq			51.5	54	47.5
147						
148						
149	IX. PITCH					
150	pitch	415	415	415	415	415
151	freq_init	380	380	380	380	380
152	Delta frequency	2	2	2	2	2
153	Number of frequencies	60	60	60	60	60
154	Frequency adjust	1.05	1.05	1.05	1.05	1.05
155	X. Title					
156	title					
157						
158						
159						
160	XII. Bore Diameter Locations					
161		21	18	18	19	17
162		9.5	10	10	10.3	9.6
163		443	478	478	0	502
164		406	427	427	435	425
165		353	377	377	391	371
166		306	323	323	320	290
167		211	245	245	241	198
168		159	188	188	176	147
169		70	128	128	135	60
170		0	0	0	19	0
171		0	0	0	0	0
172		0	0	0	90	75
173		0	353	310	363	355
174		0	300	261	290	288
175		300	215	219	208	210
176		233	132	180	125	175
177		565	557	570	0	0
178		543	510	518	535	0
179		523	500	505	493	498
180		445	483	494	465	475
181		365	335	443	343	380
182		263	245	395	268	270
183		155	137	145	196	160
184		0	0	0	57	0
185		0	0	0	0	0