



	A	B	C	D	E	F	G	H
101	<b>VI. Long Joint</b>			SavPere2 There is a table along long joint				
102	lg length	581	581	total length of long joint				
103	lg tenon bot	45.5	45.5	length bottom tenon on long joint [tenon going into boot joint]				
104	lj_bot_bore	24.8	24.8	long joint bottom tenon bore diameter [tenon going into boot joint]				
105	lj_top_bore	35	35	SavPere2 oblong 34.5 x 35.5; long joint top tenon bore diameter [tenon going into bell]				
106	lg tenon top	36.2	36.2	length top tenon on long joint [tenon going into bell]				
107	e1 distance	54	54	dist long joint tenon to e1 [from bot of tenon to where tone hole enters bore]				
108	d1 distance	253	253	dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore]				
109	c1 distance	468	468	dist long joint tenon to c1 [from bot of tenon to where tone hole enters bore]				
110								
111								
112								
113								
114								
115	<b>VII. Bore diameters at Tone Holes</b>							
116	f2	11.8	11.9					
117	e	12.8	12.8					
118	d	13.7	13.3					
119								
120	c	16.2	16.2					
121	b	16.9	16.9					
122	a	17.5	17.5					
123	g	19	19					
124	ft	21.8	21.8					
125								
126	e1	25	25	e1 tone hole bore diameter on long joint				
127	d1	27.6	27.6	d1 tone hole bore diameter on long joint				
128	c1	32.1	32.1	c1 tone hole bore diameter on long joint				
129								
130								
131								
132								
133								
134	<b>VIII. Bell</b>			SavPere2 There is not a tone hole in the bell				
135	bell logic	0	0	If bell_logic=0=>normal conical bore;if bell_logic=1=>inverted conical bore; if bell_logic=2=>bell expansion				
136	bell length (0, 1, 2)	330	330	total length of bell [lines 141 + 144 = line 136]				
137	bell_bot_bore (0, 1, 2)	34	34	dia bore at the bottom of bell [end with socket]				
138	bell_top_bore 0, (1, 0, 2)	34.8	34.8	dia bore at the top of bell [where low Bb exits]				
139	bell_center_bore (only for logic 2)			dia bore at max center of expansion				
140	bell_wall (only for logic 2)			bell wall thickness, Just for David				
141	bell_bot_bore_expansion (only for logic 2)			dist of bottom to maxium of expansion [including bell socket length,if bell logic=0 =>100]				
142	Outside diameter of wood at expansion			Just for David				
143	bell_tenon (0, 1, 0, 2)	37.3	37.3	bell socket length				
144	bell_expansion_length (only for logic 2)			distance of maxium expansion to top of bell [where Bb exits]				
145								
146								
147								
148	<b>IX. PITCH</b>							
149	pitch	430	430	input the historical pitch of the bassoon, must input value, best guess				
150	freq_init	380	380	Initial frequency range variable				
151	Delta frequency	2	2	frequency increment parameter				
152	Number of frequencies	60	60	number of frequencies to scan for min chi sq				
153	Frequency adjust	1.05	1.05	frequency adjustment parameter				
154	<b>X. Title</b>							
155	title			Bassoon Calculation: Savarypère2-O-Rapopot-Wg1(Cottet)-WOB-DNM				
156								
157				Notes on long joint bore: SavPere2 very OOR in places				
158				Notes on boot joint bore: SavPere2 normal				
159	<b>XI. Bore Diameter Locations</b>			Notes on wing joint bore: SavPere2 normal				
160		22	22	Number of diameters				
161		9.2	9.3	Initial bore diameter				
162		395	419	dist1; measured from the bottom of the wing joint- 10mm				1
163		341	365	dist2; measured from the bottom of the wing joint- 11mm				1
164		285	292	dist3; measured from the bottom of the wing joint- 12mm				1
165		208	207	dist4; measured from the bottom of the wing joint- 13mm				1
166		120	120	dist5; measured from the bottom of the wing joint- 14mm				1
167		17	62	dist6; measured from the bottom of the wing joint- 15mm	Bottom wing	15.4		1
168		0	0	dist7; measured from the top of the bootjoint - small bore side- 16mm	top boot sm	16		2
169		159	159	dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot larc	24.7		2
170		287	287	SavPere2 255 x 320; dist9; measured from the top of the bootjoint - small bore side- 18mm				2
171		345	345	dist10; measured from the top of the bootjoint - large bore side- 19mm	sbore dia se	18.4		3
172		265	265	dist11; measured from the top of the bootjoint - large bore side- 20mm	lbore dia sep	18.6		3
173		197	197	SavPere2 185 x 210; dist12; measured from the top of the bootjoint - large bore side- 21mm				3
174		145	145	dist13; measured from the top of the bootjoint - large bore side- 22mm				3
175		83	83	dist14; measured from the top of the bootjoint - large bore side- 23mm				3
176		60	60	dist15; measured from the top of the boot joint- large bore side- 24mm	lj_bot_bore	24.8		3
177		523	523	dist16; measured from the top of the long joint- 25mm				4
178		462	462	SavPere2 450 x 475; dist17; measured from the top of the long joint- 26mm				4
179		359	359	dist18; measured from the top of the long joint- 27mm				4
180		268	268	dist19; measured from the top of the long joint- 28mm				4
181		241	241	SavPere2 228 x 254; dist20; measured from the top of the long joint- 29mm				4
182		190	190	dist21; measured from the top of the long joint- 30mm				4
183		161	161	dist22; measured from the top of the long joint- 31mm				4
184		107	107	dist23; measured from the top of the long joint- 32mm	lj_top_bore	35		4