

	A	B	C	D	E	F	G	H
101	VI. Long Joint			Pezé1 There is a table along long joint				
102	lg length	584	584	total length of long joint				
103	lg tenon bot	48.8	48.8	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	32.7	32.7	long joint top tenon bore diameter [tenon going into bell]				
106	lg_tenon_top	36.9	36.9	length top tenon on long joint [tenon going into bell]				
107	e1 distance	59	59	dist long joint tenon to e1 [from bot of tenon to where tone hole enters bore]				
108	d1 distance	256	256	dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore]				
109	c1 distance	470	470	dist long joint tenon to c1 [from bot of tenon to where tone hole enters bore]				
110								
111								
112								
113								
114								
115	VII. Bore diameters at Tone Holes							
116	f2	12.3	12.4					
117	e	13	13					
118	d	13.8	13.8					
119								
120	c	16.1	16.1					
121	b	17.3	17.3					
122	a	17.6	17.6					
123	g	20.6	20.6					
124	ft	22.1	22.1					
125								
126	e1	25.3	25.3	e1 tone hole bore diameter on long joint				
127	d1	28.4	28.4	d1 tone hole bore diameter on long joint				
128	c1	31.5	31.5	c1 tone hole bore diameter on long joint				
129								
130								
131								
132								
133								
134	VIII. Bell			Pezé1 There is not a tone hole in the bell				
135	bell logic	1	1	If bell_logic=0=> normal conical; if bell_logic = 1 => inverted conical; if bell_logic = 2 => bell expansion				
136	bell_length (0, 1, 2)	327	327	total length of bell [lines 141 + 144 = line 136]				
137	bell_bot_bore (0, 1, 2)	31.9	31.9	dia bore at the bottom of bell [end with socket]				
138	bell_top_bore 0, (1, 0, 2)	28.7	28.7	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)	37.5	37.5	bell socket length				
144	bell_expansion_length (only for logic 2)			distance of maxium expansion to top of bell [where Bb exits]				
145	bellfg	34	34	Usually about 10mm more than line 138				
146								
147								
148	IX. PITCH							
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	X. Title							
155	title			Bassoon Calculation: Pezé1-O-Kampmann-Wg1-WOB-DNM				
156								
157								
158				Notes on long joint; Pezé1 not very out of round				
159				Notes on boot joint bore: Pezé1 normal				
159	XI. Bore Diameter Locations			Notes on wing joint bore: Pezé1 normal				
160		22	21	Number of diameters				
161		10.5	10.3	Initial bore diameter [do not include in line 160 counting]				
162		0	0	dist1; measured from the bottom of the wing joint- 10mm				1
163		342	352	dist2; measured from the bottom of the wing joint- 11mm				1
164		302	312	dist3; measured from the bottom of the wing joint- 12mm				1
165		208	228	dist4; measured from the bottom of the wing joint- 13mm				1
166		162	0	Pezé1 OOR 150 x 175; dist5; measured from the bottom of the wing joint- 14mm				1
167		62	62	dist6; measured from the top of the bootjoint - small bore side- 15mm	Bottom wing	14.6		2
168		85	85	dist7; measured from the top of the bootjoint - small bore side- 16mm	top boot sm	14.6		2
169		135	135	dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot lar	24.7		2
170		265	265	dist9; measured from the top of the bootjoint - small bore side- 18mm				2
171		361	361	dist10; measured from the top of the bootjoint - large bore side- 19mm	sbore dia se	19.1		3
172		367	367	dist11; measured from the top of the bootjoint - large bore side- 20mm	lbore dia se	19.5		3
173		277	277	Pezé1 OOR 260 x 295; dist12; measured from the top of the bootjoint - large bore side- 21mm	Hook Length	394		3
174		140	140	Pezé1 OOR 120 x 160; dist13; measured from the top of the bootjoint - large bore side- 22mm				3
175		78	78	dist14; measured from the top of the bootjoint - large bore side- 23mm				3
176		62	62	dist15; measured from the top of the bootjoint - large bore side- 24mm	lj_bot_bore	24.8		3
177		535	535	dist16; measured from the top of the long joint- 25mm				4
178		494	494	dist17; measured from the top of the long joint- 26mm				4
179		403	403	dist18; measured from the top of the long joint- 27mm				4
180		340	340	dist19; measured from the top of the long joint- 28mm				4
181		295	295	dist20; measured from the top of the long joint- 29mm				4
182		210	210	dist21; measured from the top of the long joint- 30mm				4
183		130	130	dist22; measured from the top of the long joint- 31mm				4
184		88	88	dist23; measured from the top of the long joint- 32mm	li_top_bore	32.7		4