

	A	B	C	D	E	F	G	H	I
112									
113									
114									
115	VII. Bore diameters at Tone Holes								
116	f2	12.2	11.6	11.7					
117	e	13.1	12.5	12.7					
118	d	13.5	13.2	13.3					
119									
120	c	16	16	16					
121	b	17.2	17.2	17.2					
122	a	17.7	17.7	17.7					
123	g	19.7	19.7	19.7					
124	f1	21.6	21.6	21.6					
125									
126	e1	25.3	25.3	25.3	e1 tone hole bore diameter on long joint				
127	d1	28.1	28.1	28.1	d1 tone hole bore diameter on long joint				
128	c1	31	31	31	c1 tone hole bore diameter on long joint				
129									
130									
131									
132									
133									
134	VIII. Bell				Pezé3 no tone hole in the bell				
135	bell logic	1	1	1	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)	325	325	325	total length of bell [lines 141 + 144 = line 136]				
137	bell_bot_bore (0, 1, 2)	31.6	31.6	31.6	dia bore at the bottom of bell [end with socket]				
138	bell_top_bore 0, (1, 0, 2)	28.7	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)	38.9	38.9	38.9	bell socket length				
144	bell_expansion_length (only for logic 2)				distance of maxium expansion to top of bell [where Bb exits]				
145	bellfq	34.5	34.5	34.5	Usually about 10mm more than line 138				
146					Pezé3 Bell is OOR				
147									
148	IX. PITCH								
149	pitch	430	430	430	input the historical pitch of the bassoon, must input value, best guess				
150	freq_init	380	380	380	Initial frequency range variable				
151	Delta frequency	2	2	2	frequency increment parameter				
152	Number of frequencies	60	60	60	number of frequencies to scan for min chi sq				
153	Frequency adjust	1.05	1.05	1.05	frequency adjustment parameter				
154	X. Title								
155	title				Bassoon Calculation: Pezé3-O-Kampmann-Wg1-WOB-DNM				
156									
157					Notes on long joint: Pezé3 good, not very out of round				
158					Notes on boot joint bore: Pezé3 normal				
159	XI. Bore Diameter Locations				Notes on wing joint bore: Pezé3 normal				
160		21	20	21	Number of diameters				
161	Bell Bore	10.8	10.3	10.1	Initial bore diameter [do not include in line 160 counting]				
162	31.6mm diameter at socket	0	0	0	dist1; measured from the bottom of the wing joint- 10mm				1
163	31mm rod 140mm from socket OOR	362	355	360	dist2; measured from the bottom of the wing joint- 11mm				1
164	30mm rod 225mm from socket OOR	302	290	295	dist3; measured from the bottom of the wing joint- 12mm				1
165	29mm rod 308 from socket	205	202	210	dist4; measured from the bottom of the wing joint- 13mm				1
166	28.7mm diameter at bell end	117	0	75	Pezé3 OOR 95 x 140; dist5; measured from the bottom of the wing joint- 14mm				1
167		60	60	60	dist6; measured from the top of the bootjoint - small bore side- 15mm	Bottom wing j	15.5		2
168		96	96	96	dist7; measured from the top of the bootjoint - small bore side- 16mm	top boot small	14.6		2
169		145	145	145	Pezé3 OOR 135 x 155; dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot large	24.2		2
170		281	281	281	Pezé3 OOR 170 x 192; dist9; measured from the top of the bootjoint - small bore side- 18mm				2
171		396	396	396	dist10; measured from the top of the bootjoint - large bore side- 19mm	sbore dia sep	18.5		3
172		350	350	350	dist11; measured from the top of the bootjoint - large bore side- 20mm	lbore dia sep	19		3
173		245	245	245	Pezé3 OOR 230 x 260; dist12; measured from the top of the bootjoint - large bore side- 21mm	Hook Length	396		3
174		120	120	120	dist13; measured from the top of the bootjoint - large bore side- 22mm verified				3
175		72	72	72	dist14; measured from the top of the bootjoint - large bore side- 23mm				3
176		555	555	555	dist15; measured from the top of the long joint- 24mm	lj bot bore	23.7		4
177		530	530	530	dist16; measured from the top of the long joint- 25mm; verified				4
178		492	492	492	dist17; measured from the top of the long joint- 26mm				4
179		392	392	392	dist18; measured from the top of the long joint- 27mm				4
180		330	330	330	Pezé3 OOR 305 x 355; dist19; measured from the top of the long joint- 28mm				4
181		265	265	265	Pezé3 OOR 245 x 285; dist20; measured from the top of the long joint- 29mm				4
182		200	200	200	dist21; measured from the top of the long joint- 30mm				4
183		100	100	100	dist22; measured from the top of the long joint- 31mm verified				4
184		0	0	0	dist23; measured from the top of the long joint- 32mm	lj top bore	32		4