



	A	B	C	D	E	F	G	H	I
117	e	13.3						13.4	
118	d	13.6						13.6	
119									
120	c	16.2						17	
121	b	17						17.3	
122	a	17.2						17.4	
123	g	18.4						19	
124	f1	22						22.3	
125									
126	e1	23.2	e1 tone hole bore diameter on long joint					23.8	
127	d1	26	d1 tone hole bore diameter on long joint					27	
128	c1	30.2	DeLoose2 OOR; c1 tone hole bore diameter on long joint					30.2	
129									
130									
131									
132									
133									
134	<b>VIII. Bell</b>		DeLoose2 no tone hole in the bell						
135	bell logic	0	If bell logic = 0 => normal conical bore; if bell logic = 1 => inverted conical bore; if bell logic = 2 => bell expansion					0	
136	bell length (0, 1, 2)	325	total length of bell					319	
137	bell bot bore (0, 1, 2)	30	DeLoose2; OOR 30.9 x 31.2; dia bore at the bottom of bell [end with socket];					31.2	
138	bell top bore 0, (1, 0, 2)	32.5	DeLoose1; OOR, bell flare, measured at bottom of caliper jaws; dia bore at the top of bell [where low Bb exits];					32.6	
139	bell center bore (only for logic 2)		dia bore at max center of expansion						
140	bell wall (only for logic 2)								
141	bell bot bore expansion (only for logic 2)		dist of bottom to maximum 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)	44.7	bell socket length					45.3	
144	bell expansion length (only for logic 2)		distance of maximum expansion to top of bell [where Bb exits]						
145	bell flq	39	Usually about 10mm more than line 138;					42	
146									
147									
148	<b>IX. PITCH</b>								
149	pitch	430	input the historical pitch of the bassoon, must input value, best guess					430	
150	freq_init	380	Initial frequency range variable					380	
151	Delta frequency	3	frequency increment parameter					3	
152	Number of frequencies	18	number of frequencies to scan for min chi sq					18	
153	Frequency adjust	1.05	frequency adjustment parameter					1.05	
154	<b>X. Title</b>								
155	title		Bassoon Calculation: DeLoose2-O-Watel242-Wg1-WOB-DNM						
156									
157			Notes on long joint bore: DeLoose2 OOR more than normal, especially near large tenon						
158			Notes on boot joint bore: DeLoose2 normal						
159	<b>XI. Bore Diameter Locations</b>		Notes on wing joint bore: DeLoose2 normal						
160		22	Number of diameters					19	
161	<b>Bell Bore</b>	9.5	Initial bore diameter [do not include in line 160 counting]					9.9	
162	30.0mm dia. at socket	415	dist1; measured from the bottom of the wing joint- 10mm					1 470	
163	31mm rod 110mm from socket OOR	380	dist2; measured from the bottom of the wing joint- 11mm					1 380	
164	32.5mm dia.at bell end OOR	338	dist3; measured from the bottom of the wing joint- 12mm					1 348	
165		255	DeLoose2 OOR; dist4; measured from the bottom of the wing joint- 13mm					1 255	
166		125	DeLoose2 vrfd gap, OOR; dist5; measured from the bottom of the wing joint- 14mm					1 30	
167		70	dist6; measured from the bottom of the wing joint- 15mm	Bottom wing it	16.5		1	0	
168		78	dist7; measured from the top of the bootjoint - small bore side- 16mm	top boot small	15.9		2	0	
169		154	dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot large	23.6		2	0	
170		270	dist9; measured from the top of the bootjoint - small bore side- 18mm				2	225	
171		320	dist10; measured from the top of the bootjoint - large bore side- 19mm	sbore dia sep	18.9		3	330	
172		260	dist11; measured from the top of the bootjoint - large bore side- 20mm	lbore dia sep	17.2		3	290	
173		190	dist12; measured from the top of the bootjoint - large bore side- 21mm	Hook Length	402		3	215	
174		135	dist13; measured from the top of the bootjoint - large bore side- 22mm				3	180	
175		538	dist14; measured from the top of the bootjoint - large bore side- 23mm				4	90	
176		490	DeLoose2 OOR; dist15; measured from the top of the long joint- 24mm	lj bot bore	22.2		4	500	
177		425	DeLoose2 OOR; dist16; measured from the top of the long joint- 25mm				4	440	
178		337	dist17; measured from the top of the long joint- 26mm				4	380	
179		285	DeLoose2 OOR; dist18; measured from the top of the long joint- 27mm				4	318	
180		225	dist19; measured from the top of the long joint- 28mm				4	250	
181		165	dist20; measured from the top of the long joint- 29mm				4	165	
182		125	dist21; measured from the top of the long joint- 30mm				4	126	
183		43	DeLoose2 OOR vrfd; dist22; measured from the top of the long joint- 31mm				4	40	
184		0	dist23; measured from the top of the long joint- 32mm	lj top bore	31.9		4	0	