Baumann2-O-Rapoport-Wg1(2pumps)-WOB-DNM

Compared to the content of the con	_							_	
The property of the property o	<u> </u>	A A	В	C	D	E	F	G	Н
Section of Section 10 Secti	2								
# Treats about exembs to (ii.) Implication to (ii.) Implication of the control of the contro	3								
Second process of the continues of the									
Decord logic 2 - Proceed logic 2 - Proceed logic 2 - Proceeding 2 - Proceding 2 -		metal bocal length bot (0, 1)		meas. along bottom of bocal					
Section 1 Section Sect	6	dia wj end		inside diameter of bocal					
Section 1 Section Sect	-	hocal logic	2	if head logic = 0 => head is sheke; if head logic = 1 => sheke in wing joint sale	c: if bocal logic	- 2 -	- no h	nocal	
1.		bocal logic		Docar logic = 0 = > Docar is crioke; ii Docar logic = 1 = > crioke iii wing joint care	t; ii botai logit	= 2 =.	> 110 L	JUCAI	
Column Section Secti									
The Wing Joint Lengths	11								
1. Check borg (i.e.									
Security of the property and the common co			0.4						
1.5 enter good in content 5.50 1.5 enterance 5.5 e							or re	ceiver	
1.2 1.2 1.2 1.3 1.2 1.3									
11 1 C						Ī			
20 of e	18								
2	19	wj f2		dist top of wing to where tone hole enters bore [not at the center of the tone ho	le]				
Need to Average, useily coal, Baumann2 yes Seed to Seed to got flows year amiliate 1.									
20 December 2 dates in Southern of wing plant 1.5.0 Need to Average, useful yord, Baumann 2 yes 1.5.0 Need to Average, useful yord, Baumann 2 yes 1.5.0 Need to Average, useful yord, Baumann 2 yes 1.5.0 Need to Average, useful yord, Baumann 2 yes 1.5.0 Need to Average with the property of the prope		wj a	340	Baumannz r and d tone noies at rainy steep angle					
20 20 20 20 20 20 20 20		Bore dia. Bottom of wing joint	15.8	Need to Average, usally oval, Baumann2 ves					
2				7					
Description									
Second Company 1 Second									
13 13 13 13 13 13 13 13				India a ifficient O a plus proposed (Claim a Company)	L	Barrier .		-11	
30 10 175						, but us	ed lo	gic 1	
3. just a				uist from top or boot to where topinost tone note enter bore [not at center of to	ne noie]				
Southern Needed for both boot logics 430 1 1 1 1 1 1 1 1 1									
32 Spitchal [Needed for both boot logics] 430 501 601	32								
35 Duys mall [Need for logic 0 only] 0 Duys thickness, large bore side 0 Duys thickness, large b				total length of boot, include socket, along the small bore side					
Source S									
Source S						-			
33 Septime		plug lange [Need for logic 0 only]	U	Baumann2 has a U-tube					
30		boots [Needed for both boot logics]	430		s bore => bis	-septur	n lenc	th = bo	ot - septum
41 boost bottom (Needed for both boot logics) 18 use hook, dist of bore [same aboots bott except tenn eight will grifferent] 1 42 boot bottom (Needed for logic 1 only) 1 43 use hook, dist of bore [same aboots bot except tenn eight will grifferent] 1 44 use the commendation of the comme									,
A potential fixeded for both boot logics 18 service properties of the plant fixed for both to both logic properties of the plant fixed for both to service properties of the plant fixed for both to service properties of the plant fixed for both to service properties of the plant fixed for both to service properties of the plant fixed for both to service properties of the plant fixed for both for both to service properties of the plant fixed for both service properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both both logic properties of the plant fixed for both logic properties									
44					:k]				
44.1 Outside dia of plug [measured] = small bore dia + large bore dia + the septum width 45 Suprum length exp [Need for logic 0 only] 0 dist. from very bottom of boot to septum [poin between the large and small bore of the plug of the large of the		bootl bottom [Needed for both boot logics]	18	use hook, dist of bore [same as boots bot except tenon depth will be different]					
45 septum length exp [Need for logic 0 only] 47 septum length calc - do not imput value 48 septum length calc - do not imput value 49 logic - do not imput value 40 septum length - do not imput value 41 septum septum copit on timput value 42 septum septum copit on timput value 43 septum septum copit on timput value 44 septum septum copit on timput value 45 septum septum copit on timput value 46 septum septum copit on timput value 47 septum septum copit on timput value 48 septum septum septum copit on timput value 49 septum septum septum copit on timput value 40 septum septum septum septum copit on timput value 41 septum		extreme hare [Needed for logic 1 only]	44 1	Outside dia of plug [measured] = small hore dia + large hore dia + the sentum	width				
43 septum length exp (Need for long) 0 ollst. from very bottom of boot to septum (point between the large and small bore) 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot to spetum (pill boot) 1 dont imput value 1 dist. from very bottom of boot (pill boot) 1 dont imput value 1 dist. from very bottom of boot (pill boot) 1 dont imput value 1 dont imput value 1 dist. from very bottom of boot (pill boot) 1 dont imput value 2 dont imput value 3 dont imput value 4 dont imput valu		extreme bore [Needed for logic 1 only]	77.1	outside dia or plug [measured] = Smail bore dia + large bore dia + the septum	Width				
47 Septum length calc - do not imput value 0 dist. From very bottom of boot to spetum (pil) boot do not imput value 0 dist. From very bottom of boot to spetum (pil) boot do not imput value 0 dist. From very bottom of boot to spetum (pil) do not imput value 0 dist. From very bottom of boot to spetum (pil) do not imput value 0 dist. From very bottom of boot to spetum (pil) do not imput value 0 dist. From very bottom of boot to spetum (pil) do not imput value 0 do not i		septum length exp [Need for logic 0 only]	0	dist. from very bottom of boot to septum [point between the large and small bo	re]				
59 sbore dia sep* [Needed for both boot logics] 51 bore dia sep* [Needed for both boot logics] 52 sep width sep [Need for logic only] 53 sep width calc - do not imput value 4.8 dis bloid collection on the sep of the sep									
Submer dia sep* Needed for both boot logics 19.8 Submann2 vrid down bore larger than up bore; septum small bore dia fassume = Bloore dia sep		septum length - do not imput value	0	if bj logic = 0 => septum = septum exp; if bj logic = 1 => septum = septum ca	do not imput v	/alue			
1		share dia con* [Needed for both heat legica]	10.0	Paymann 2 yefd daym have lawaay than yo have yeartum amall have die faccume	- Iboro dia ao	.1			
Sep width exp [Need for logic Q only] 5.1 septum width, direct measurement if remove plug 5.4 sep width value 4.8 septum width; direct reasurement or shore - libore - - l) 			
Same provided and containing to value 4.8 septum width; calc. => extreme bore - shore - lone do not imput value 55					Logic of				
Section Sect					do not imput v	alue			
350 dist from top of boot (socket) to where G hole enters bore (not at cent of tone hole		sep width - do not imput value	4.8	if bj logic = $0 \Rightarrow \text{sep width} = \text{sep width} = \text{sep}$	do not imput v	/alue			
154 dist from top of boot (socket) to where F1 hole enters bore [not at cent of tone hole]		L2 -	250	disk for an hour of heart (-1-1				
Section Sect	56	D) G bi f1							
59	58	DJ 11	134	dist from top of boot (socker) to where it hole enters bore that at cent of tone	l				
Signature Sign	59								
ST. Tone Hole Diameters									
Signature Sign									
Section		TV Tone Hele Diameters				-			
6.2 6.2 6.2 6.6 6.5 6.6 6.5 6.6 6.5 6.6 6.5 6.6 6.5 6.6			5.0						
66 67 7 88 7.3 8.8									
Section	66	d							
1.5									
10		c							
1		D				-			
1		a							
12.5 e1 tone hole dia, on long joint [need to average NS and EW dias, NS usually greater]		f1							
12.5	73								
15	74								
77 78 78 79 79 79 79 79						- 17			
The content of the		C1	15	Baumann2 vrfd large; c1 tone hole dia, on long joint [need to average NS and E	:W dias, NS usi	ıaliy gr	eater]		
So So So So So So So So									
80 81 82 V. Tone Hole Depths 83 f2 37.6 Baumann2 f and d tone holes drilled at fairly extreme angle 84 e 25.5 85 d 35.5 86 87 c 23.8 88 b 26.5 89 a 27.7 90 q 16 meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle] 91 f1 22.8 meas along east side tone hole wall [north wall, toward reed,t hole usually at angle] 92 93 e1 8.3 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 95									
S2 V. Tone Hole Depths	80								
37.6 Baumann2 f and d tone holes drilled at fairly extreme angle	81								
84 e 25.5 85 d 35.5 86 86 86 86 86 86 86 8			27.5	December 2 found of house holes 1200 1 1 Cold					
85 d				baumann2 r and d tone noies drilled at fairly extreme angle		-			
S6									
88 b 26.5			ر.ر						
89 a 27.7 90 g 16 meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle] 91 f1 22.8 meas along east side tone hole wall [north wall, toward reed,tone hole usually at angle] 92 93 e1 8.3 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]	87	c							
90 q 16 meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle] 91 f1 22.8 meas along east side tone hole wall [north wall, toward reed,t hole usually at angle] 92 93 e1 8.3 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]	88	b	26.5						
91 f1 22.8 meas along east side tone hole wall [north wall, toward reed,t hole usually at angle] 92 8.3 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]		a							
92 93 e1 8.3 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]	90	g f1				-	 		
93 e1 8.3 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]	93	11	۷۷.۵	meas along east side tone note wall [north wall, toward reed,t hole usually at ar	igiej				
94 d1 8.1 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]	93	e1	8.3	e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest di	ist]				
95 c1 8.1 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist]									
96		c1	8.1						
	96								

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_			-					
07	A	В	С	D	Е	F	G	Н
97 98								
99								
100								
	VI. Long Joint		Baumann2 a table along long joint, high to make tone holes longer					
	lg_length	588	total length of long joint					
103	lg_tenon_bot	55	length bottom tenon on long joint [tenon going into boot joint]					
104	lj_bot_bore	26.4	long joint bottom tenon bore diameter [tenon going into boot joint]					
105	lj_top_bore	33.1	long joint top tenon bore diameter [tenon going into bell]					
	lg_tenon_top	41	length top tenon on long joint [tenon going into bell]					
	e1 distance	65	dist long joint tenon to e1 [from bot of tenon to where tone hole enters bore]					
	d1 distance	257	dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore]					
109 110	c1 distance	469	dist long joint tenon to c1 [from bot of tenon to where tone hole enters bore]					
111								
112								
113								
114								
	VII. Bore diameters at Tone Holes							
	f2	12.1						
117	e	13.3						
118	d	13.6						
119 120	<u></u>	18		 				
121	h	18.5		 				
122	- a	18.6					-	
123	q	19.7						
124	f1	22.7						
125			Baumann2 long joint bore starts at 26.4 (an average) than compresses to 24.3	at e1 tone hole	9			
126	e1	24.3	e1 tone hole bore diameter on long joint					
	d1	27.2	d1 tone hole bore diameter on long joint					
128	c1	30.6	c1 tone hole bore diameter on long joint					
129 130				+				
131								
132							-	
133			Baumann2, no Military Bell like Baumann1	1				
	VIII. Bell		Baumann2 no tone hole in the bell					
135	bell logic	0	If bell_logic = 0 => normal conical bore; if bell_logic = 1 => inverted concial bore	ore; if bell_logi	c = 2 =	> bel	l expans	ion
136	bell_length (0, 1, 2)	340	total length of bell [lines 141 + 144 = line 136]					
_	bell_bot_bore (0, 1, 2)	30.5	dia bore at the bottom of bell [end with socket]	L	Ļ	آييا		
138	bell_top_bore 0, (1, 0, 2)	42	Baumann2 Last 10mm of bell flares, 10mm into bell has a diameter of c.39mm;	dia bore at the	top of	bell		
139	bell_center_bore (only for logic 2)		dia bore at max center of expansion	-				
	bell_wall (only for logic 2) bell_bot_bore_expansion (only for logic 2)		bell wall thickness, Just for David dist of bottom to maxium of expansion [including bell socket length,if bell logic=	 =0 =>1001				
	Outside diameter of wood at expansion		Just for David	-0 ->100]				
143	bell_tenon (0, 1, 0, 2)	40.5	bell socket length				-	
144	bell_expansion_length (only for logic 2)	1015	distance of maxium expansion to top of bell [where Bb exits]				\neg	
	belflg	46.5	Usually about 10mm more than line 138; Meas. 21 juin 2013					
146								
147								
	IX. PITCH	420						
	pitch	430	input the historical pitch of the bassoon, must input value, best guess					
	freq_init Delta frequency	380 2	Initial frequency range variable frequency increment parameter					
	Number of frequencies	60	number of frequencies to scan for min chi sq					
	Frequency adjust	1.05	frequency adjustment parameter	1				
	X. Title			İ				
155	title		Bassoon Calculation: Baumann2-O-Rapoport-Wg1(2pumps)-WOB-DNM					
156								
157			Notes on long joint bore: Baumann2 not OOR					
158	VI. Dava Diamatau I c ti		Notes on boot joint bore: Baumann2 normal	l				
159 160	XI. Bore Diameter Locations	22	Notes on wing joint bore: Baumann2 normal Number of diameters	1				
161		9.4	Initial bore diameter [do not include in line 160 counting]					
162		396	dist1; measured from the bottom of the wing joint- 10mm	1			1	
163	<u> </u>	357	Baumann2, could be a blockage at tuning slide; dist2; measured from the botto	m of the wing	oint- 1	1mm	1	
164		305	dist3; measured from the bottom of the wing joint- 12mm				1	
165		225	dist4; measured from the bottom of the wing joint- 13mm				1	
166		115	dist5; measured from the bottom of the wing joint- 14mm				1	
167		17	dist6; measured from the bottom of the wing joint- 15mm	Bottom wing j	15.8		1	
168		0	dist7; measured from the bottom of the wing joint- 16mm dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot small			0	
169 170		89 120	dist9; measured from the top of the bootjoint - small bore side- 1/mm dist9; measured from the top of the bootjoint - small bore side- 18mm	top boot large	24.3		2	
171		345	dist10; measured from the top of the bootjoint - small bore side- 19mm	sbore dia sep	19.8		2	
172		329	dist11; measured from the top of the bootjoint - large bore side- 20mm	Ibore dia sep	19.5		3	
173		264	dist12; measured from the top of the bootjoint - large bore side- 21mm	Hook Length	430		3	
174		205	dist13; measured from the top of the bootjoint - large bore side- 22mm				3	
175		134	dist14; measured from the top of the bootjoint - large bore side- 23mm				3	
176		76	dist15; measured from the top of the bootjoint - large bore side- 24mm	lj_bot_bore	26.4		3	
177		445	dist16; measured from the top of the long joint- 25mm	1			4	
178		388	dist17; measured from the top of the long joint- 26mm	1			4	
179		331	dist18; measured from the top of the long joint- 27mm	<u> </u>			4	
180 181		275 228	dist19; measured from the top of the long joint- 28mm dist20; measured from the top of the long joint- 29mm				4	
182		161	dist21; measured from the top of the long joint- 29mm				4	
183		88	dist22; measured from the top of the long joint- 31mm				4	
		51	dist23; measured from the top of the long joint- 32mm	lj_top_bore	33.1		4	
184								