1.	_										
An internal content of the property of the p	1	A I. Bocal	В	C Original bocal: StanesbySrDart2, a Dart bocal	D	Е	F	G H	I	J Dant1-Dant	K SanesbySr1
## Add the control of		dia reed end		inside diameter of reed end of bocal						Duntz Dunt	Suncsbyshi
March Marc	4	metal bocal length top (0, 1)	371								
1.		metal bocal length bot (0, 1)	351	meas. along bottom of bocal							
1	7										
1.	9	bocal logic	2	if bocal logic = 0 => bocal is choke; if bocal logic = 1 =>choke in wing joint calc;	if bocal logic	= 2 =>	no b	ocal		2	2
1.	10										
The content of the	12										
Address Color Brown Antonia color Color Brown Co	13			Choke vs receiver details; StanesbySrDart2 choke	a of horo at h	ottom	r roc	oivor		0.5	0.6
19	15			StanesbySrDart2 vrfd long; logic 1; length of choke from top of wing joint; logic 0	; length of re	ceiver (same	as string length)		90	44
1		wing joint length									
The content of the	18										
1											
1.5 1.5											
The part to produce and any analysis a	23			Need to Average, usally oval; StanesbySrDart2 No							
Company											
1	26	Bore dia. top or boot joint large side	20.4							20.3	20.5
1	27	III. Boot Lengths bi logic	1		ed					1	1
10 10 10 10 10 10 10 10	29	bj c									
1.5											
A continue filtered for costs board agency 4-15 most enough of the cost	32			total length of hoot, include socket, along the small horo side							441
A place and Therefore Provide Found 1 and 10 and Americans, Surger Provided 1 and 10 a	34	biltotal [Needed for both boot logics]	443	total length of boot, include socket, along large bore side						444	441
1				plug thickness, large bore side			\dashv				
200 200	37		-								•
Section Company Comp	39										
Description Description Property 19 20 20 20 20 20 20 20 2	40										
Attention for the figure (vm)	42	bootl bottom [Needed for both boot logics]									
Best	43									44 4	
25 Secretary Company Compa	45										
The content mouth on our limits values					do not imput	value					
19	48				do not imput	value					
1	50	sbore dia sep* [Needed for both boot logics]		septum small bore dia [assume = lbore dia sep]							
1	51	Ibore dia sep* [Needed for both boot logics]	21.1	septum large bore dia [assume = sbore dia sep] [mesure if cork can be removed;	for Logic 01		\exists			21.2	21
10	53	sep width calc - do not imput value	4.7	septum width; calc. => extreme bore - sbore - lbore						3.5	1.3
132 152 152 153	54 55	sep width - do not imput value	4.7		do not imput	value	-1			3.5	1.3
Control Cont	56			dist from top of boot (socket) to where G hole enters bore [not at cent of tone hol	e]						
1	58	DJ 11	138		1 noie enters	pore				152	152
1	59										
1.	61										
1	62	IV. Tone Hole Diameters					\dashv				
5	64	f2								5.5	
1	66	d d				$\vdash \vdash$					
10	67										
10 10 10 10 10 10 10 10	69	<u>b</u>									
1.7 1.7	70	a	6							6	
10.6 e1.0 tone hole dis, on long joint [need to average NS and EW diss, NS usually greater]	72	f1									9.5
1.5 1.5		e1	10.6	e1 tone hole dia, on long joint [need to average NS and FW dias. NS usually great	erl		-1			10.6	10.6
173	75	d1	7.6	StanesbySrDart2 vrfd smaller; d1 tone hole dia, on long joint [need to average NS	and EW dias	, NS us	ıally	greater]		8.5	9.1
18	77	<u>C1</u>	10.5	to the note dia, on long joint (need to average NS and EW dias, NS usually great	er I					10.5	11.2
Signature	78						_				
132 17	80										
183 17		V. Tone Hole Depths					-1				
26.2 24.3 25.3 25.3 25.3 25.3 25.3 25.3 25.5 27.2 26.7	83	f2	24.6								
26.2 24.3 25.3 25.3 25.3 25.3 25.3 25.3 25.5 27.2 26.7	84 85	d									
188 b 25 25 25.8 25.8 25.8 25.8 25.8 25.8 25.7 26.	86										
25.8 25.8 25.8 25.8 26.7	88	b	25							25.1	27.2
191	89	a	25.8	meas along hot tone hole wall (north wall, toward reed tone hole usually at applications)		$\vdash \exists$	\dashv			25.7	26.7
93 e1 8.2 e1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 8.3 9.9 94 d1 9 8.3 d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 8.5 10 95 c1 9 c1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist] 8.6 9.5 97 97 98 99 99 99 99 99	91	ก็									
94 11 10 12 12 12 13 13 13 13 13	93	e1	8.2	e1 tone hole depth;meas east/west with deapth gauge [at center, or shortest dist]	\vdash				8.3	9.9
95	94	d1	8.8	d1 tone hole depth; meas east/west with deapth gauge [at center, or shortest dist	:]					8.5	10
197	96	<u></u>	9	c1 tone noie depth; meas east/west with deapth gauge [at center, or shortest dist	<u></u>		_			8.6	9.5
100	97						\exists				
10.1 VI. Long Joint Stanesbys/Char2 there is a table along long joint	99										
102 19 Length 606 605 60	100	VI. Long Joint		StanesbySrDart2 there is a table along long joint			\dashv				
104 bot bore 25.2 long joint bottom tenon bore diameter [tenon going into bot joint] 25.2 25.4 25.6 25.7 32.7 10.7 25.7 25.7 25.7 25.6 25.8	102	lg_length	606	total length of long joint							
105 top. bore 32.7 long joint top tenon bore diameter (tenon going into bell) 32.7				long joint bottom tenon bore diameter [tenon going into boot joint]		\vdash					
102 e1 distance	105	lj_top_bore	32.7	long joint top tenon bore diameter [tenon going into bell]						32.7	32.7
108 d1 distance 259 dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore] 257 256 108 c1 distance 470 dist long joint tenon to c1 [from bot of tenon to where tone hole enters bore] 471 469 110 471 469 111 469 470 471 112 469 471 469 113 469 471 469 114 469 471 469 115 471 469 116 471 469 117 471 469 118 471 469 119 471 469 119 471 469 110 471 469 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 471 47	107	e1 distance	65	dist long joint tenon to e1 [from bot of tenon to where tone hole enters bore]						66	66
110	108	d1 distance	259	dist long joint tenon to d1 [from bot of tenon to where tone hole enters bore]			\exists			257	256
112	110	C1 distance	7/0	and long joing tentor to CI promisor of tentor to where tone note enters bore						7/1	707
113							-1				
115 VII. Bore diameters at Tone Holes	113										
116/2 12.1 12.8 117e 12.7 12.9 13.3 118 d 13.3 13.6 13.9 119 120 c 17.3 17.4 17.3	115	VII. Bore diameters at Tone Holes									
118 d 13.3 13.6 13.9 119 120 c 17.3 17.4 17.3	116	f2									
119 1 17.3 17.4 17.3 17.4 17.3	118	<u>d</u>									13.5
121b 17.7 17.8 17.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	119						7				
	121	b									

	A	В	ſ.	D	F	F (; Н	I	1	K
122	a	18							18	17.9
123	0	22							22.2	21.6
124	f1	24							24.1	23.4
125	12								2.112	23.1
126	e1	25.1	e1 tone hole bore diameter on long joint						25.2	24.5
127	d1	27.4	d1 tone hole bore diameter on long joint						27.6	27.4
	c1	30.4	c1 tone hole bore diameter on long joint						30.5	30.5
129		50.1	er tone note bore diameter on long joint						50.5	30.5
130										
131										
132										
133										
	VIII. Bell		StanesbySrDart2 There is not a tone hole in the bell							
	bell logic	1	If bell logic = 0 => normal conical bore; if bell logic = 1 => inverted concial bore	e if hell logic	- 2 - >	hell eve	ancion		1	1
	bell length (0, 1, 2)	320	total length of bell [lines 141 + 144 = line 136]	e, ii beli loqic	- 2 - 7	Dell exp	ansion		320	319
137	bell bot bore (0, 1, 2)	32.7	dia bore at the bottom of bell [end with socket]						32.8	32.7
138	bell top bore 0, (1, 0, 2)	27.7	dia bore at the top of bell [where low Bb exits]						27.6	28.1
	bell center bore (only for logic 2)	27.7	dia bore at max center of expansion						27.0	20.1
	bell wall (only for logic 2)		bell wall thickness, Just for David	1	—					
	bell bot bore expansion (only for logic 2)		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		+					
	bell tenon (0, 1, 0, 2)	45.3	bell socket length				_		46.1	45
144	bell expansion length (only for logic 2)	43.3	distance of maxium expansion to top of bell [where Bb exits]				_		40.1	43
	belfiq	40	Usually about 10mm more than line 138	1		_			41.3	42
145	being	40	Osually about 10mm more than line 136			_			41.3	42
147										
	IX. PITCH									
	pitch	415	input the historical pitch of the bassoon, must input value, best guess						415	392
	freq init	380	Initial frequency range variable	-					380	380
		2		-	-				2	2
	Delta frequency Number of frequencies	60	frequency increment parameter	-	-				60	60
		1.05	number of frequencies to scan for min chi sq	-	-				1.05	1.05
	Frequency adjust X. Title	1.05	frequency adjustment parameter		-				1.05	1.05
155			D C.I. I.I O I. O. O. D O.K W. 4 W.O. D.W.	-	-	_				
156	title		Bassoon Calculation: StanesbySr-C-Dart2-Kopp-Wg1-WOB-DNM		-	_				
157			Notes to the state of the state							
158			Notes on long joint bore: StanesbySrDart2 excellent							
	W. B. Branch L. Branch		Notes on boot joint bore: StanesbySrDart2 excellent Notes on wing joint bore: StanesbySrDart2 excellent							
160	XI. Bore Diameter Locations	20							21	20
	Bell Bore	9	Number of diameters						9.5	20
			Initial bore diameter [do not include in line 160 counting]				_			0
	32.7mm dia. at socket	419 394	dist1; measured from the bottom of the wing joint- 10mm		\vdash		1	 	419 394	414
163	32mm rod 85mm from socket		dist2; measured from the bottom of the wing joint- 11mm	1	\vdash		1	 		
165	31mm rod 135mm from socket 30mm rod 280mm from socket	328 230	dist3; measured from the bottom of the wing joint- 12mm StanesbySrDart2 vrfd; dist4; measured from the bottom of the wing joint- 13mm	1	+		1	_	323 248	342 280
	29mm rod 300mm from top of bell	165	dist5; measured from the bottom of the wing joint- 13mm	1	+		1	_	172	280 187
		114		Dathara	17.2		1	_		187
	38mm rod 311mm from top of bell		dist6; measured from the bottom of the wing joint- 15mm	Bottom wing				_	126	
168	27.7mm dia.at bell end	50	dist7; measured from the bottom of the wing joint- 16mm	top boot sma	17.3		1	_	61	112
170		0	dist8; measured from the top of the bootjoint - small bore side- 17mm	top boot larg	26.4			—	12	90
171		175	dist9; measured from the top of the bootjoint - small bore side- 18mm	alasas dia	10.6		2	—	173	250 0
172		288	dist10; measured from the top of the bootjoint -small bore side- 19mm	sbore dia ser	19.6		2	 	286	0
173		0	dist11; measured from the top of the bootjoint - large bore side- 20mm	lbore dia sep	21.1			 	0	
			dist12; measured from the top of the bootjoint - large bore side- 21mm	Hook Length	407	_	3	 	0	388
174 175		365	StanesbySrDart2 vrfd;dist13; measured from the top of the bootjoint - large bore		\vdash	_	3	 	375	325
		233	StanesbySrDart2 vrfd; dist14; measured from the top of the bootjoint - large bore		25.2			 	250	195
176		160	dist15; measured from the top of the bootjoint - large bore side- 24mm	lj_bot_bore	25.2		3		166	119
177		104	dist16; measured from the top of the long joint- 25mm	1	-		3		108	505
178		415	StanesbySrDart2 vrfd; dist17; measured from the top of the long joint- 26mm	1	-		4		425	412
179		395	StanesbySrDart2 vrfd; dist18; measured from the top of the long joint- 27mm	1	-		4	_	376	390
180		270	dist19; measured from the top of the long joint- 28mm	1	-		4	\vdash	269	268
181		230	dist20; measured from the top of the long joint- 29mm				4	-	224	228
182		214	StanesbySrDart2 vrfd; dist21; measured from the top of the long joint- 30mm			_	4	-	205	210
183		95	dist22; measured from the top of the long joint- 31mm			_	4	-	100	87
184		40	dist23; measured from the top of the long joint- 32mm	lj top bore	32.7		4		51	15