Scherer1-O-Met89.4.886-Wg1-WB-DNM

Description Communication	_							
## The content of the	\vdash	A	В	C	D	Е	F	G
## The content of the					imensions		╙	
The control of the co	2	dia reed end	4.8	inside diameter of reed end of bocal; outside dia = 5.3 mm				
A metal book level to (0,1) 327 reds. store to per foods 1.1								
Services to large: 1								
Leading well and the property of the property								
Proceed logic 2								
The content is present to the content is p		dia wj end	11.8	inside diameter of bocal; outside dia = 13.6 mm				
1.	7							
1.	8	hocal logic	2	if bocal logic=0=> bocal is choke: if bocal logic = 1 =>choke in wing joint calc:	if bocal logic =	2 => r	no boo	cal
Learn Lear		bocar logic						
II. Wing Joint Lengths 1.0 close for Sa. 1.1 Close for Sa. 1.2 close for Sa. 1.2 close for Sa. 1.3 close for Sa. 1.4 close for Sa. 1.5 clos								
1.								
Section Context Cont								
Comparison Com								
Section Company Comp	13	II. Wing Joint Lengths		bocal receiver: Scherer1; there is a receiver that has been replaced, see bore pho	tos			
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Lipsch September Septemb							1	
1					I string length)			
Comparison Com								
1		tenon length	46.3	tenon length				
22 at 1	18							
272 See dis 1.00 of Doct John Language 17.1 Need to Average, unally oval; Scherer! yes 1.00 1.00	19	wj f2	212	dist top of wing to where tone hole enters bore [not at the center of the tone hole	1			
2	20	wi e	272					
Need to Average, usally over; Scherer! yes								
22 December 1997 (Product plant small side 1972) 23 December 1997 (Product plant small side 1972) 24 December 1997 (Product plant small side 1972) 25 December 1997 (Product plant small side 1972) 25 December 1997 (Product plant small side 1972) 26 December 1997 (Product plant small side 1972) 26 December 1997 (Product plant small smal		w) u	323					
22 Decendance of boot joint small side 2.2								
23 11 Boot Lengths				Need to Average, usally oval; Scherer1 yes				
The floor Lengths 1 logics of fig logic = 0 => plug removed; if b) logic = 1 => plug cannot be removed 3 logics = 1 log	24	Bore dia. top of boot joint small side	17.7					
The floor Lengths 1 logics of fig logic = 0 => plug removed; if b) logic = 1 => plug cannot be removed 3 logics = 1 log	25		23.2				ı	
Source S		4						
23 19 10 10 10 10 10 10 10		III. Boot Lengths						
32 10 14 15 15 15 15 15 15 15			-1	logic=> if hi logic = 0 => plug removed; if hi logic = 1 => plug capact he removed	ad	 	H	
33 by 1						-	\vdash	
19 19 19 19 19 19 19 19				uist from top of boot to where topmost tone hole enter bore [not at center of tone	noie]		\vdash	
32 bjetotal (Needed for both boot logics) 413 total length of boot, include socket, along large bore side								
32 Dijetotal (Needed for both boot logics) 33 Dijetotal (Needed for both boot logics) 34 Start (Needed for both boot logics) 34 Start (Needed for both boot logics) 35 Doots (Needed for both boot logics) 36 Doots (Needed for both boot logics) 37 Doots (Needed for both boot logics) 37 Doots (Needed for both boot logics) 38 Doots (Needed for both boot logics) 39 Doot (Needed for both boot logics) 39 Doot (Needed for both boot logics) 30 Doots (Needed for both boot logics) 30 Doots (Needed for both boot logics) 31 Doots shorten (Needed for both boot logics) 32 Doots (Needed for logic 1 only) 42 Doots bottom (Needed for both boot logics) 43 Doots (Needed for logic 1 only) 44 Doots bottom (Needed for logic 1 only) 45 Doots (Needed for logic 1 only) 46 Doots bottom (Needed for logic 1 only) 47 Doots (Needed for logic 1 only) 48 Doots (Needed for logic 1 only) 49 Doots (Needed for logic 1 only) 40 Doots bottom (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 41 Doots (Needed for logic 1 only) 42 Doots (Needed for logic 1 only) 43 Doots (Needed for logic 1 only) 44 Doots (Needed for logic 1 only) 45 Doots (Needed for logic 1 only) 46 Doots (Needed for logic 1 only) 47 Doots (Needed for logic 1 only) 48 Doots (Needed for logic 1 only) 49 Doots (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 41 Doots (Needed for logic 1 only) 42 Doots (Needed for logic 1 only) 43 Doots (Needed for logic 1 only) 44 Doots (Needed for logic 1 only) 45 Doots (Needed for logic 1 only) 46 Doots (Needed for logic 1 only) 47 Doots (Needed for logic 1 only) 48 Doots (Needed for logic 1 only) 49 Doots (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 40 Doots (Needed for logic 1 only) 41 Doots (Needed for logic 1 only) 41 Doots (Needed for logic 1 only) 41 Doots (Needed for logic 1 only) 42 Doots (Needed for logic 1 only) 42 Doots (Needed for logic 1 only) 43 Doots (Needed for logic 1 only) 44 Doots (Needed fo	31	bj a	197			_	L T	
3.3 Distotal (Receded for both boot logics) 413 State length of boot, include socket, along the small fore side								
32 bigustal (Needed for both boot logics) 33 bigus and (Needed for Septic 0 only) 34 bigus and (Needed for Septic 0 only) 35 bigus and (Needed for Septic 0 only) 36 bigus and (Needed for Septic 0 only) 37 bigus and (Needed for Septic 0 only) 38 bigus and (Needed for Septic 0 only) 39 bigus (Needed for Septic 0 only) 40 bigus bottom (Needed for both boot logics) 41 bigus bottom (Needed for both boot logics) 42 bigus bottom (Needed for both boot logics) 43 bigus (Needed for Septic 0 only) 44 bigus bottom (Needed for both boot logics) 45 bigus (Needed for Septic 0 only) 46 bigus (Needed for Septic 0 only) 47 bigus (Needed for Septic 0 only) 48 bigus (Needed for Septic 0 only) 49 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 only) 41 bigus (Needed for Septic 0 only) 42 bigus (Needed for Septic 0 only) 43 bigus (Needed for Septic 0 only) 44 bigus (Needed for Septic 0 only) 45 bigus (Needed for Septic 0 only) 46 bigus (Needed for Septic 0 only) 47 bigus (Needed for Septic 0 only) 48 bigus (Needed for Septic 0 only) 49 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 only) 41 bigus (Needed for Septic 0 only) 42 bigus (Needed for Septic 0 only) 43 bigus (Needed for Septic 0 only) 44 bigus (Needed for Septic 0 only) 45 bigus (Needed for Septic 0 only) 46 bigus (Needed for Septic 0 only) 47 bigus (Needed for Septic 0 only) 48 bigus (Needed for Septic 0 only) 48 bigus (Needed for Septic 0 only) 49 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 only) 41 bigus (Needed for Septic 0 only) 41 bigus (Needed for Septic 0 only) 42 bigus (Needed for Septic 0 only) 43 bigus (Needed for Septic 0 only) 44 bigus (Needed for Septic 0 only) 45 bigus (Needed for Septic 0 only) 46 bigus (Needed for Septic 0 only) 47 bigus (Needed for Septic 0 only) 48 bigus (Needed for Septic 0 only) 49 bigus (Needed for Septic 0 only) 49 bigus (Needed for Septic 0 only) 40 bigus (Needed for Septic 0 on		histotal [Needed for both boot logics]	413	total length of hoot, include socket, along the small hore side				
35 Dipus mali [Need for logic 0 only] 0 plus thickness, samal bore side							\vdash	
36 blug larger [Need for logic, 0 only] 37 only [Needed for both boot logics] 374 hook length along a bore => bis-septum length = boot - septum <= calc the septum 375 obod [Needed for both boot logics] 376 hook length along a bore => bis-septum length = boot - septum <= calc the septum 377 hook length along a bore => bis-septum length = boot - septum <= calc the septum 378 hook length along a bore => bis-septum length = boot - septum <= calc the septum 379 hook length along a bore => bis-septum length = boot - septum <= calc the septum 370 hook length along a bore ship septum length = boot - septum <= calc the septum 371 hook length along a bore ship septum length = boot - septum <= calc the septum septum color ship septum length = boot - septum <= calc the septum sept						-		
38 boots (Needed for both boot logics) 374 hook length along s bore => bis-septum length = boot - septum <= calc the septum 39 boot (Needed for both boot logics) 374 hook length along l bore => bij-septum length = boot - septum <= calc the septum 39 boot (Needed for both boot logics) 374 hook length along l bore => bij-septum length = boot - septum <= calc the septum 39 boot (Needed for both boot logics) 374 hook length along l bore => bij-septum length = boot - septum <= calc the septum 30 borot (Needed for both boot logics) 374 hook length along l bore => bij-septum length = boot - septum <= calc the septum 30 borot (Needed for logic 1 only) 52 boutside dia of plug (measured) = small bore dia + large bore dia + the septum width; 31 borot (Needed for logic 1 only) 52 boutside dia of plug (measured) = small bore dia + large bore dia + the septum width; 32 borot (Needed for logic 1 only) 53 borot (Needed for logic 0 only) 54 borot (Needed for logic 0 only) 54 borot (Needed for logic 0 only) 55 borot dia septum length -do not imput value 30 borot dia sept (Needed for logic 1 boot (logics) 35 borot dia septum septum exp.; 16 logic = 0 > septum septum exp.; 16 logic = 1 > sep						—	\vdash	
38 boots (Needed for both boot logics) 374 hoke length along a bore => b)is-septum length = boot - septum <= calc the septum < 374 hoke length along a bore => b)is-septum length = boot - septum <= calc the septum < 374 hoke length along a bore => b)is-septum length = boot - septum <= calc the septum < 374 hoke length along a bore => b)is-septum length = boot - septum <= calc the septum < 374 hoke length along a bore => b)is-septum length = boot - septum <= calc the septum < 374 hoke length along a bore => b)is-septum length = boot - septum <= calc the septum (included for both boot logics) 10.6 use hook, dist of bore (dist on stick plus 7mm, diff between hook and bot of stick) 10.6 use hook, dist of bore (dist on stick plus 7mm, diff between hook and bot of stick) 10.6 use hook, dist of bore (dist on stick plus 7mm, diff between hook and bot of stick) 10.6 use hook, dist of bore (dist on stick plus 7mm, diff between hook and bot of stick) 10.6 use hook, dist of bore (dister) 10.6 use hook (dist of bore (dister) 10.6 use hook, dist of bore (dister) 10.6 use hook (dister) 10.6 use hook, dist of bore (dister) 10.6 use hook (d		plug large [Need for logic 0 only]	0	plug thickness, small bore side				
37 37 37 37 37 38 38 38	37							
37 37 37 37 37 38 38 38	38	boots [Needed for both boot logics]	374	hook length along s bore => bis-septum length = boot - septum <= calc the sept	um			
10 10 10 10 10 10 10 10								
10.0 10.0		booti [Needed for both boot logics]	3/4	Hook length along i bore => bji septam length = book septam <= care the septa	IIII			
42 Doubl bottom Needed for both boot logics 10.6								
48 externe bore [Needed for logic 1 only] 45 Substitute of the septum length exp [Need for logic 0 only] 45 Septum length exp [Need for logic 0 only] 46 Septum length exp [Need for logic 0 only] 47 Septum length exp [Need for logic 0 only] 48 Substitute length exp [Need for logic 0 only] 49 Substitute length exp [Needed for logic 0 only] 50 Substitute length exp [Needed for logic 0 only] 51 Substitute length exp [Needed for logic 0 only] 52 Sep width exp [Needed for logic 0 only] 53 Sep width exp [Needed for logic 0 only] 54 Sep width exp [Needed for logic 0 only] 55 Sep width exp [Needed for logic 0 only] 56 Substitute length exp [Needed for logic 0 only] 57 Substitute length exp [Needed for logic 0 only] 58 Substitute length exp [Needed for logic 0 only] 59 Substitute length exp [Needed for logic 0 only] 50 Substitute length exp [Needed for logic 0 only] 51 Substitute length exp [Needed for logic 0 only] 52 Sep width exp [Needed for logic 0 only] 53 Sep width exp [Needed for logic 0 only] 54 Sep width exp [Needed for logic 0 only] 55 Substitute length exp [Needed for logic 0 only] 56 Substitute length exp [Needed for logic 0 only] 57 Substitute length exp [Needed for logic 0 only] 58 Substitute length exp [Needed for logic 0 only] 59 Substitute length exp [Needed for logic 0 only] 50 Substitute length exp [Needed for logic 0 only] 51 Substitute length exp [Needed for logic 0 only] 52 Substitute length exp [Needed for logic 0 only] 53 Substitute length exp [Needed for logic 0 only] 54 Substitute length exp [Needed for logic 0 only] 55 Substitute length exp [Needed for logic 0 only] 56 Substitute length exp [Needed for logic 0 only] 57 Substitute length exp [Needed for logic 0 only] 58 Substitute length exp [Needed for logic 0 only] 59 Substitute length exp [Needed for logic 0 only] 50 Substitute length exp [Needed for logic 0 only] 50 Substitute length exp [Needed for logic 0 only] 51 Substitute								
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Scheer Agrovimate, meas, from bottom boot plate indentation. Could not remove boot cap; very large value, that boot 47 septum length caic - do not imput value 39 48 septum length caic - do not imput value 39 49 50 50 50 50 50 50 50 5	43							
Scheer Agrovimate, meas, from bottom boot plate indentation. Could not remove boot cap; very large value, that boot 47 septum length caic - do not imput value 39 48 septum length caic - do not imput value 39 49 50 50 50 50 50 50 50 5	44	extreme bore [Needed for logic 1 only]	52	Outside dia of plug [measured] = small bore dia + large bore dia + the septum w	idth:			
dst. from very bottom of boot to septum [poin between the large and small bore]						alue fl	at boot	
data From very bottom of boot to spetum [bi] boots dot imput value 48 septum length - do not imput value 39 dist. From very bottom of boot to spetum [bi] boots dot imput value 50 shore dia sept Needed for both boot logics 18.9 septum septum septum septum septum septum septum cated do not imput value 50 shore dia sept Needed for both boot logics 18.9 septum se		contum langth own [Need for legis 0 only]	_			alue, III	at bool	
48 Septum length - do not imput value 39 f 10 10 00 -> septum - septum exp; if 10 10 10 10 10 10 10 1								
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1	49							
1	50	shore dia sep* [Needed for both boot logics]	18.9	septum small bore dia [assume = lbore dia sep]				
Sept width exp [Need for logic 0 only]					for Logic 01			
11.6 septum width: calc. => extreme bore - bore do not imput value 11.6 fill logic = 0 => sep width exp if bl logic = 1 =>					Tor Logic of			
11.6 If bit logic = 0 => sep width = sep width exp; if bit logic = 1 => sep width = sep wi						<u> </u>		
S5 S6 big S50 dist from top of boot (socket) to where G hole enters bore [not at cent of tone hole] S7 bif 1								
Section Sect		sep width - do not imput value	11.6	if bj logic = $0 = 8$ sep width = sep width exp; if bj logic = $1 = 8$ sep width = sep w	do not imput v	alue		
135 dist from top of boot (socket) to where F1 hole enters bore [not at cent of tone hole]								
135 dist from top of boot (socket) to where F1 hole enters bore [not at cent of tone hole]	56	bi q	350	dist from top of boot (socket) to where G hole enters bore [not at cent of tone hol	el			
Section Sect			135					
Section Sect		5] 1.2	133	discretified of book (souther) to where 11 hole discretified at cent of tone he	,			
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65 6 6 5.9 6 6 6 6 6 6 6 6 6							╚	
65 6 6 5.9 6 6 6 6 6 6 6 6 6	63	IV. Tone Hole Diameters						
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68 C		d						
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69 b 6.9 5.8		c	7 0			 		
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11.8 Scherer1 oblong 11.2 x 12.3; e1 tone hole dia, on long joint 11.8 Scherer1 oblong 11.2 x 12.3; e1 tone hole dia, on long joint 12.4 13.5 14.5 15.5		а				ļ		
11.8 Scherer1 oblong 11.2 x 12.3; e1 tone hole dia, on long joint 12.5 di		<u>g</u>						
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11.8 Scherer1 oblong 11.2 x 12.3; e1 tone hole dia, on long joint								
75 d1	74		11.0	Scherer1 oblong 11.2 x 12.3; e1 tone hole dia on long joint				
To To To To To To To To		e1			<u> </u>		\vdash	
The content of the					and EW/ disc1			
T8	75	d1	9.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS a				
79	75 76	d1	9.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS a				
79	75 76 77	d1	9.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS a				
80 81 82 V. Tone Hole Depths 83 f2 28.4 84 e 27.1 85 d 32.6 86 87 c 27.8 88 b 24.2 89 a 30.5 note: TH at extreme angle 90 q 18.7 meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle] 91 f1 25.9 meas along east side tone hole wall [north wall, toward reed,t hole usually at angle]	75 76 77 78	d1	9.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS a				
S2 V. Tone Hole Depths	75 76 77 78	d1	9.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS a				
82 V. Tone Hole Depths 83 f2 84 e 27.1 85 d 32.6 86 87 c 27.8 88 b 24.2 89 a 30.5 note: TH at extreme angle 90 q 18.7 meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle] 91 f1 92 meas along east side tone hole wall [north wall, toward reed,t hole usually at angle]	75 76 77 78 79	d1	9.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS a				
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92	75 76 77 78 79 80 81 82 83 84 85 86 87 88	d1 c1 V. Tone Hole Depths f2 e d	9.9 10 28.4 27.1 32.6 27.8 24.2 30.5	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS at 10 tone hole dia, on long joint [need to average NS and EW dias, NS usually great tone hole dia, on long joint [need to average NS and EW dias, NS usually great note: TH at extreme angle meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle]	er]			
	75 76 77 78 79 80 81 82 83 84 85 86 87 88	d1 c1 V. Tone Hole Depths f2 e d c b a g	9.9 10 28.4 27.1 32.6 27.8 24.2 30.5 18.7	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS at 10 tone hole dia, on long joint [need to average NS and EW dias, NS usually great tone hole dia, on long joint [need to average NS and EW dias, NS usually great note: TH at extreme angle meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle]	er]			
12.0 Jet tone noie deput; meas east/ west with deapth gauge lat center, or shortest dist.	75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90	d1 c1 V. Tone Hole Depths f2 e d c b a g	9.9 10 28.4 27.1 32.6 27.8 24.2 30.5 18.7	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS at 10 tone hole dia, on long joint [need to average NS and EW dias, NS usually great tone hole dia, on long joint [need to average NS and EW dias, NS usually great note: TH at extreme angle meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle]	er]			
	75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	d1 c1 c1	28.4 27.1 32.6 27.8 24.2 30.5 18.7 25.9	Scherer1 oblong 9.3 x 10.4; d1 tone hole dia, on long joint [need to average NS at 10 tone hole dia, on long joint [need to average NS and EW dias, NS usually great tone hole dia, on long joint [need to average NS and EW dias, NS usually great note: TH at extreme angle meas along bot tone hole wall [north wall, toward reed,tone hole usually at angle] meas along east side tone hole wall [north wall, toward reed,t hole usually at angle]	er]			

Scherer1-O-Met89.4.886-Wg1-WB-DNM

A B C	er, or shortest dist]	E F	G
11 c1 tone hole depth; meas east/west with deapth gauge [at center 96 97 98 99 99 99 99 90 90 90			
96	r, or shortest dist]		
97 98 99 100 101 VI. Long Joint Scherer1 There is a table along long joint 102 g length 614 total length of long joint [tenon going into boot joint] 103 g, tenon_bot 47.4 length bottom tenon on long joint [tenon going into boot joint] 104 j_bot_bore 23.2 long joint bottom tenon bore diameter [tenon going into boot joint] 105 j_top_bore 30.9 long joint top tenon bore diameter [tenon going into bell] 106 g_tenon_top 32.8 length top_tenon on long joint [tenon going into bell] 107 e1 distance 63 dist long joint tenon to e1 from bot of tenon to where tone hole			
98			
99			
101 VI. Long Joint Scherer1 There is a table along long joint			
101 VI. Long Joint Scherer1 There is a table along long joint 102 Ig eingth 614 total length of long joint 103 Ig_tenon_bot 47.4 length bottom tenon on long joint [tenon going into boot joint] 104 Ig_toot_bore 23.2 long joint bottom tenon bore diameter [tenon going into boot joint] 105 Ig_tenon_top 32.8 long joint top tenon bore diameter [tenon going into bell] 106 Ig_tenon_top 32.8 length top tenon on long joint [tenon going into bell] 107 Id_stance 63 dist long joint tenon to e1 [from bot of tenon to where tone hole			
102 ig_length 614 total length of long joint 103 ig_tenon_bot 47.4 length bottom tenon on long joint [tenon going into boot joint] 104 ij_bot_bore 23.2 long joint bottom tenon bore diameter [tenon going into boot joint] 105 ij_top_bore 30.9 long joint top tenon bore diameter [tenon going into bell] 106 ig_tenon_top 32.8 length top tenon on long joint [tenon going into bell] 107 e1 distance 63 dist long joint tenon to e1 [from bot of tenon to where tone hole			
102 g length 614 total length of long joint 103 g tenon_bot 47.4 length bottom tenon on long joint [tenon going into boot joint] 104 j_bot_bore 23.2 long joint bottom tenon bore diameter [tenon going into boot joint [top bore] 105 j_top_bore 30.9 long joint top tenon bore diameter [tenon going into bell] 106 g_tenon_top 32.8 length top tenon on long joint [tenon going into bell] 107 el_distance 63 dist long joint tonon to el [from bot of tenon to where tone hole			
103 lg tenon_bot 47.4 length bottom tenon on long joint [tenon going into boot joint] 104 lj_bot_bore 23.2 long joint bottom tenon bore diameter [tenon going into boot joint bottom tenon bore diameter [tenon going into boot joint top tenon bore diameter [tenon going into bell] 105 lj_top_bore 30.9 long joint top tenon bore diameter [tenon going into bell] 106 lg_tenon_top 32.8 length top tenon on long joint [tenon going into bell] 107 e1 distance 63 dist long joint tenon to e1 [from bot of tenon to where tone hole			
104 j_bot_bore 23.2 long joint bottom tenon bore diameter [tenon going into boot joint to be long joint tenon going into be long joint tenon going into be long joint tenon going into be long joint tenon to e1 [from bot of tenon to where tone hole 105 g. tenon to going into be long joint tenon to e1 [from bot of tenon to where tone hole			
105 ij top bore 30.9 long joint top tenon bore diameter [tenon going into bell] 106 lg_tenon_top 32.8 length top tenon on long joint [tenon going into bell] 107 e1 distance 63 dist long joint tenon to e1 [from bot of tenon to where tone hole	intl		
106 lg_tenon_top 32.8 length top tenon on long joint [tenon going into bell] 107 e1 distance 63 dist long joint tenon to e1 [from bot of tenon to where tone hole			
107 e1 distance 63 dist long joint tenon to e1 [from bot of tenon to where tone hole			
	enters horel		
108 d1 distance 268 dist long joint tenon to d1 [from bot of tenon to where tone hole			
109 c1 distance 200 disting joint tenon to c1 [from bot of tenon to where tone hole disting joint tenon to c2 [from bot of tenon to where tone hole 109] can be seen as a second			
	enters borej		
110			
111			
112			
113			
114			
115 VII. Bore diameters at Tone Holes			
116 f2 12.2			
117 e 13.3			لــــــا
118 d 14			
119			
120 c 18			
121 b 18.4			
122 a 18.7			
123 g 21.6			
124 f1 23.1			
125			
126 e1 25.1 e1 tone hole bore diameter on long joint			
127 d1 28.3 d1 tone hole bore diameter on long joint			
128 c1 30.2 c1 tone hole bore diameter on long joint			
129 Sold Cartining So			
120			
130			
131			
132			
134/VIII. Bell Scherer1 There is not a tone hole in the bell	ala if hall lania 2 a hall assessing	_	
135 bell logic 1 If bell_logic=0=>normal conical;if bell_logic=1=>inverted concid	ai; if beii_logic=2=>beii expansion		
136 bell_length (0, 1, 2) 317 total length of bell [lines 141 + 144 = line 136]			
137 bell_bot_bore (0, 1, 2) 32.1 dia bore at the bottom of bell [end with socket]			
138 bell top_bore 0, (1, 0, 2) 28.8 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	gth,if bell logic=0 =>100]		
142 Outside diameter of wood at expansion			
143 bell_tenon (0, 1, 0, 2) 34.6 bell socket length			
144 bell_expansion_length (only for logic 2) distance of maxium expansion to top of bell [where Bb exits]			
145 belfig 56 Large and flat across top of bell			
146			
147			
148 IX. PITCH			
149 pitch 415 input the historical pitch of the bassoon, must input value, best of	211055		
143 Injud the instance pictor of the bassoon, must injud value, best g	guess		
		-	\vdash
		-	\vdash
			\vdash
154 X. Title		_	\vdash
155 title Bassoon Calculation: Scherer1-O-MET89.4.886-Wg1-WB-DNM		_	\vdash
156			$\vdash \vdash \vdash$
Notes on long joint bore: Scherer1 very out of round in places			<u> </u>
Notes on boot joint bore: Scherer1 small side very out of round a	and cyn.		
159 XI. Bore Diameter Locations Notes on wing join boret: Scherer1 normal			ட
15 Number of diameters			1
9.5 Initial bore diameter [do not include in line 160 counting]			
162 443 dist1; measured from the bottom of the wing joint- 10mm			1
406 dist2; measured from the bottom of the wing joint- 11mm			1
164 353 dist3; measured from the bottom of the wing joint- 12mm			1
165 306 dist4; measured from the bottom of the wing joint- 13mm			1
166 0 dist5; measured from the bottom of the wing joint- 14mm			1
167 159 dists; measured from the bottom of the wing joint- 15mm	Bottom wing jt 1	7.1	1
168 70 dist7; measured from the top of the bootjoint - small bore side:		7.7	1
169 0 dist8; measured from the top of the bootjoint - small bore side -		3.2	1
170 0 distey measured from the top of the bootjoint - small bore side:			2
171 0 dist10; measured from the top of the bootjoint - large bore side-		8.9	3
172 0 dist11; measured from the top of the bodgoint - large bore side		1.5	3
172 United and with the safe of the bodgint in large bore side of dist12; measured from the top of the bodgint - large bore side of		374	3
173 Unit 174 Unit 175			3
175 233 dist14; measured from the top of the bootjoint - large bore side-		_	3
176 233 dist14; measured from the top of the boot joint - large bore side-		3.2	4
	Z-TIIIII IJ_DOL_DOTE Z	٥.۷	
177 549 dist16; measured from the top of the long joint- 25mm		_	4
178 523 dist17; measured from the top of the long joint- 26mm		_	4
dist18; measured from the top of the long joint- 27mm		_	4
dist19; measured from the top of the long joint- 28mm			4
181 263 dist20; measured from the top of the long joint- 29mm			4
155 dist21; measured from the top of the long joint- 30mm			4
0 dist22; measured from the top of the long joint- 31mm			4
184 0 dist23; measured from the top of the long joint- 32mm	lj_top_bore 3	0.9	4