

## Flute Design XVI (Lasewski Scale Murray Flute made in 1998)

[Split C#, Open G#, Closed Keys, A $\flat$ =441 Hz]

[Standard components used where possible]

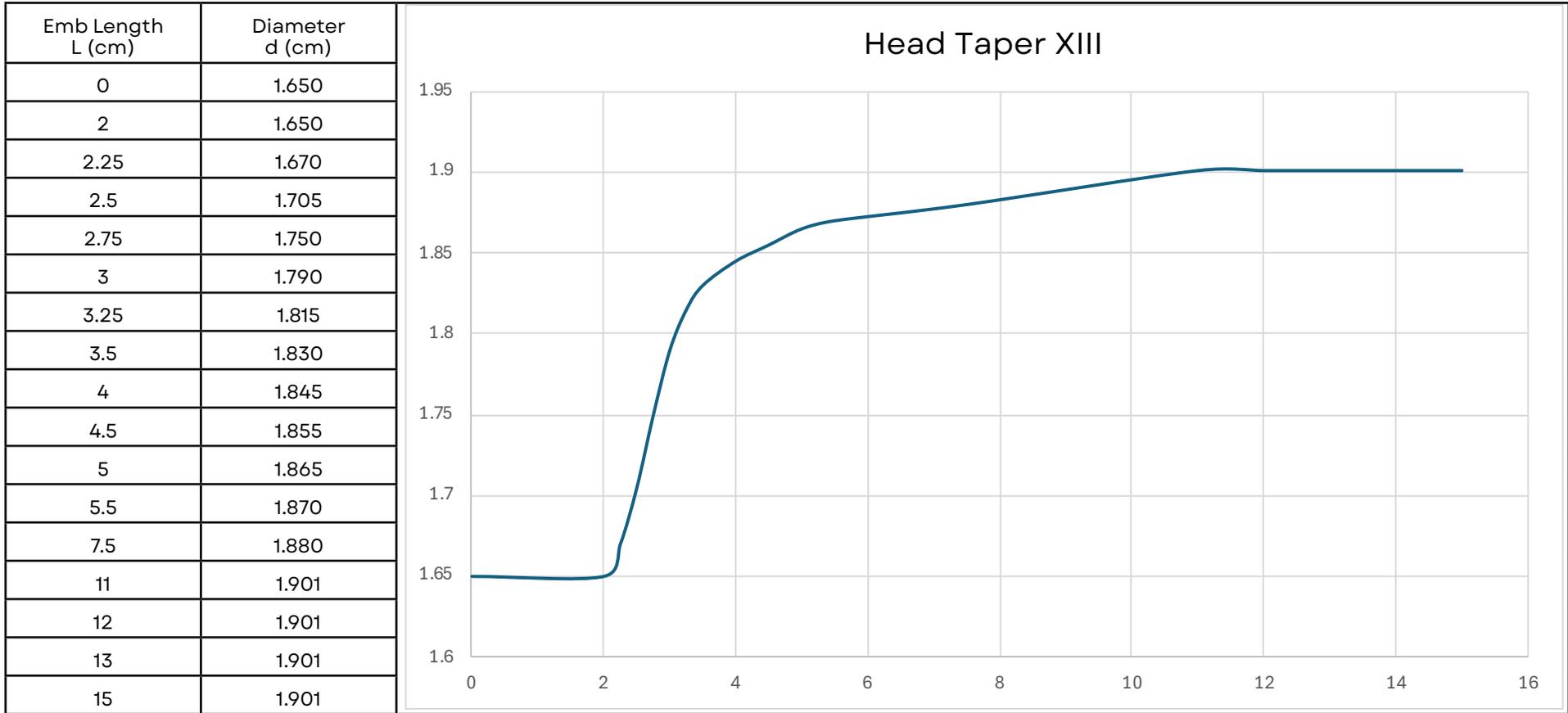
Embouchure: (11.7 x 10.2 mm), Chimney = 4.7 (+) mm, cork @ 17.5mm

Tube: ID 0.7485" (1.9012 cm), wall 0.014" (0.356 mm)

Head/Taper: XIII (see specification on Head Taper Design XIII, next page) 3 mm tuning gap allowance

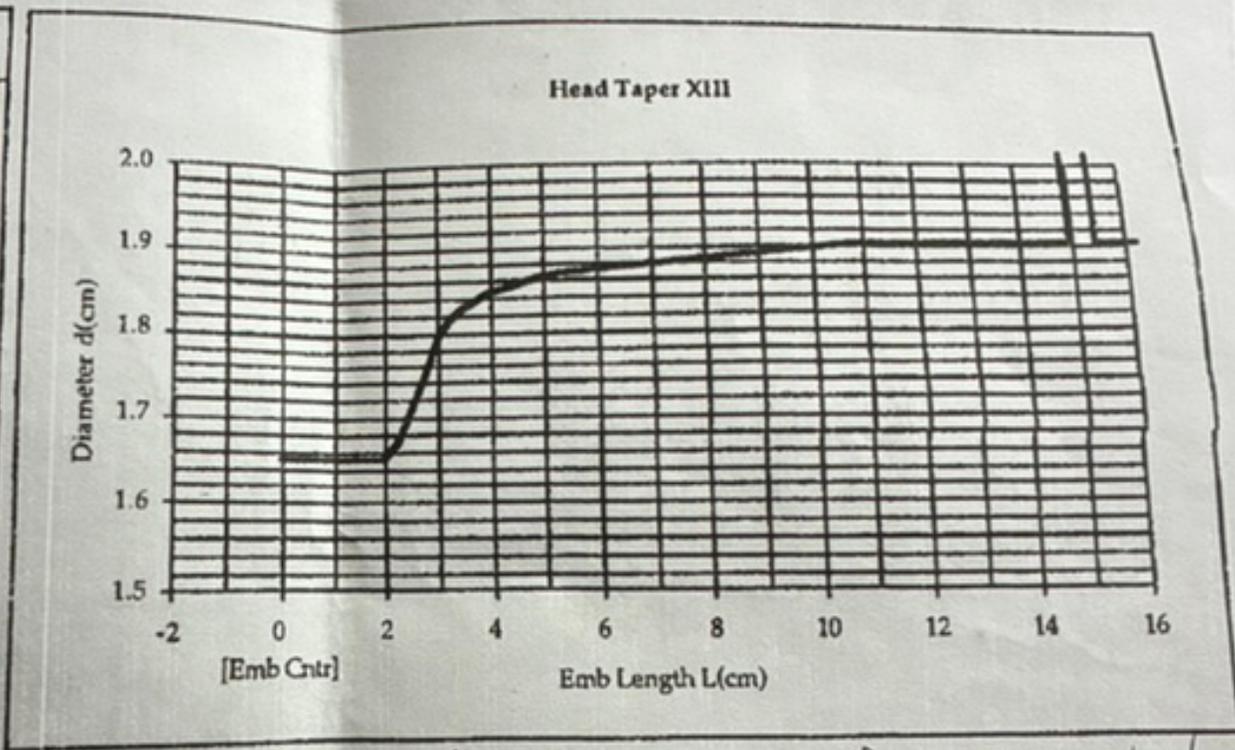
Body ID: No contractions required

Vent #	Note	Vent Location (cm)		Vent Dia ID (cm)	Chimney at cntr (cm)	Key Dia OD (cm)	Key Rise at cntr (cm)
		L wrt emb	X wrt A(8)				
(embouchure)	-	0.00	-33.50	-	-	-	-
1	T2 (D#)	21.20	-12.30	0.95	0.12	1.50	0.20
2	T1 (D)	23.70	-9.80	1.35	0.12	1.90	0.20
3	C# (2)	24.45	-9.05	0.56	0.22	1.11	0.20
4	C# (1)	26.25	-7.25	0.95	0.12	1.50	0.20
5	C	27.33	-6.17	1.35	0.12	1.90	0.23
6	B	29.25	-4.25	1.35	0.12	1.90	0.23
7	A#	31.32	-2.18	1.35	0.12	1.90	0.23
8	A	33.50	0.00	1.35	0.12	1.90	0.23
9	G#	35.70	2.20	1.35	0.12	1.90	0.23
10	G	38.13	4.63	1.44	0.12	2.01	0.23
11	F#	40.75	7.25	1.44	0.12	2.01	0.23
12	F	43.53	10.03	1.44	0.12	2.01	0.23
13	E	46.53	13.03	1.44	0.12	2.01	0.23
14	D#	49.65	16.15	1.44	0.12	2.01	0.25
15	D	53.00	19.50	1.58	0.12	2.01	0.25
16	C#	56.30	22.80	1.58	0.12	2.01	0.25
17	C	59.60	26.10	1.58	.012	2.01	0.25



Emb. Center

Emb Length L (cm)	Diameter d (cm)
0.00	1.650
2.00	1.650
2.25	1.670
2.50	1.705
2.75	1.750
3.00	1.790
3.25	1.815
3.50	1.830
4.00	1.845
4.50	1.855
5.00	1.865
5.50	1.870
7.50	1.880
11.00	1.901
12.00	1.901
13.00	1.901
15.00	1.901



Normal length |  $\star$  Note calls for .014 tube  
 $\phi$  of embouchure to end of tube  
 Discuss with Lynne about tube thickness - .016 does not fit her flute