6-key tenoroon, Thomas CAHUSAC, London, 1789			
BASIC - OUTSIDE			**Comments**
Joint lengths			
Standing length to bell	837.5		
Standing length to wing joint	641		
Wing joint length	381.5		
Wing joint - tenon length	35.2		
Butt joint length	293		
Long joint length	419.5		
Long joint - south tenon length	36.7		
Long joint - north tenon length	30.6		
Bell length	191		
Vent hole distance from north	x		
Vent hole approx diameter	x		
Tone hole distance, axis			
Wing - tone hole 1 distance from north	183		
Wing - tone hole 2 distance from north	215		
Wing - tone hole 3 distance from north	247.5		
Butt - tone hole 4 distance from north	60		
Butt - tone hole 5 distance from north	98.5		
Butt - tone hole 6 distance from north	133		
Butt - tone hole F distance from north	243		
Butt - tone hole E distance from north	107.5		
Butt - tone hole Ab distance from north	219		
Butt - tone hole F# distance from north	206.5		
Long joint - tone hole D distance from north	373.5		
Long joint - tone hole Eb distance from north	332		
Long joint - tone hole C distance from north	234		
Long joint - tone hole Bb distance from north	75		
Wing - major axis at tone hole 1	41.8		

***6-key tenoroon,* Thomas CAHUSAC, London, 1789**			
Wing - major axis at tone hole 2	42		
Wing - major axis at tone hole 3	42.3		
Butt - major axis (side to side) at tone hole 4	59.8		
Butt - minor axis (front to back) at tone hole 4	41.2		
Butt - major axis (side to side) at tone hole 5	59		
Butt - minor axis (front to back) at tone hole 5	41.3		
Butt - major axis (side to side) at tone hole 6	58		
Butt - minor axis (front to back) at tone hole 6	40.8		
Butt - major axis (side to side) at tone hole F	54		
Butt - minor axis (front to back) at tone hole F	38.2		
Butt - major axis (side to side) at tone hole E	58.7		
Butt - minor axis (front to back) at tone hole E	41.2		
Butt - major axis (side to side) of the bottom butt ellipse	48.3		No ferrule
ellipse	32		Ferrule 0.7 to 1.1
Butt - major axis (side to side) of the top butt ellipse	60.5		With ferrule
Butt - minor axis (front to back) of the top butt ellipse	41.7		Ferrule 0.7 to 1.1
Long joint - minor axis (front to back) at tone hole D	34.3		
Long joint - major axis (side to side) at tone hole D	32.5		
Long joint - minor axis (front to back) at tone hole Eb	33		
Long joint - major axis (side to side) at tone hole Eb	34.6		
Long joint - minor axis (front to back) at tone hole C	34.9		
Long joint - major axis (side to side) at tone hole C	33.7		
Long joint - minor axis (front to back) at tone hole Bb	38.5		
Long joint - major axis (side to side) at tone hole Bb	37.5		

6-key tenoroon, Thomas CAHUSAC, London, 1789			
Tone hole angle, Ø, length			
Wing - tone hole 1 angle	26.5° North		
Wing - tone hole 2 angle	24.5° South		
Wing - tone hole 3 angle	26° South		
Wing - tone hole 1 approx. Ø	3.7		
Wing - tone hole 2 approx. Ø	4.5		
Wing - tone hole 3 approx. Ø	3.8		
Wing - tone hole 1 approx. length	20.7		
Wing - tone hole 2 approx. length	20.4		
Wing - tone hole 3 approx. length	21.3		
Butt - tone hole 4 angle	16.5° North		
Butt - tone hole 5 angle	23.5° South		
Butt - tone hole 6 angle	26° South		
Butt - tone hole E angle	27° South		
Butt - tone hole 4 approx. Ø	5.4		
Butt - tone hole 5 approx. Ø	5		
Butt - tone hole 6 approx. Ø	4.5		
Butt - tone hole E approx. Ø	6.9		
Butt - tone hole 4 approx. length	15		
Butt - tone hole 5 approx. length	17.5		
Butt - tone hole 6 approx. length	14		
Butt - tone hole E approx. length	13		
Butt - cork major axis (side to side)	36		
Butt - cork minor axis (front to back)	16		
Long joint - tone hole C angle	0		
Long joint - tone hole C Ø	7.6	8	
Long joint - tone hole C approx. length	8		
BASIC - INSIDE			
Inner bore length			

***6-key tenoroon,* Thomas CAHUSAC, London, 1789**			
Bore length	1476.6		
Wing bore length	384		
Butt - small bore length	275.5		
Butt - big bore length	277		
Butt - small bore socket length	35.2		
Butt - big bore socket length	38.4		
Butt - small bore beginning of septum	260		
Butt - big bore beginning of septum	259.5		
Long joint length	421		
Bell length	193		
Inner bore beginning Ø (not socket!)	**Min.**	**Max.**	
Wing bore Ø north	x		Bocal well north Ø 11.5–12 mm
Wing bore Ø south	12.3	12.7	
Bocal well length	16		Almost not possible. Measured taken considering bocal insertion
Butt - small bore Ø north	12.6		
Butt - big bore Ø north	20.7		
Long joint Ø north	23.6	24.2	
Long joint Ø south	19.7	20.2	
Bell bore Ø north	20.8	21.4	
Bell bore Ø south	23.6		
Bell socket length	35.3		
Bocal Ø at the beginning	3.7	3.8	Measured from inside
Bocal thickness at the beginning	0.3	0.6	
Bocal Ø at the tenon	8.2	8.5	
Bocal thickness at the tenon	1.1	1.3	
Bocal length (along top)	182		

6-key tenoroon, Thomas CAHUSAC, London, 1789			
COMPLETE - OUTSIDE	**Min.**	**Max.**	
Bocal well thickness with ferrule	6	6.6	Without ferrule: 4.5– 5.5 mm
Bocal well ferrule thickness	0.8	1.3	
Wing - tenon thickness	3.8	4	
Wing - tenon northern extern. Ø	20.2	20.4	
Wing - tenon southern extern. Ø	20.4	20.7	
Wing - tone hole A distance from north	x		
Wing - tone hole A angle	x		
Wing - tone hole A approx. Ø	x		
Wing - tone hole A approx. length	x		
Wing - tone hole C distance from north	x		
Wing - tone hole C angle	x		
Wing - tone hole C approx. Ø	x		
Wing - tone hole C approx. length	x		
Butt - big socket thickness with ferrule	3		
Butt - small socket thickness with ferrule	2.7		
Butt - top ferrule thickness	0.7	1	
Minimum wall thickness between butt sockets	4.6		
Butt - wood space between corks - bottom	x		One cork
Butt - big bore cork Ø - bottom	15.7		
Butt - small bore cork Ø - bottom	15.5		
Butt - wood wall between cork/front - small bore	6.6		
Butt - wood wall between cork/front - big bore	6.1		
Butt - wood wall between cork/back - small bore	7.8		
Butt - wood wall between cork/back - big bore	6.3		
Wood wall between cork/side - small bore	7.4		
Wood wall between cork/side - big bore	4.1		
Butt - bottom ferrule thickness	0.7	1.1	
Long joint - south tenon thickness	2.9	3.3	

***6-key tenoroon,* Thomas CAHUSAC, London, 1789**			
Long joint - south tenon northern extern. Ø	25.9	26.6	
Long joint - south tenon southern extern. Ø	26.3		
Long joint - north tenon thickness	3.5	3.8	
Long joint - north tenon northern extern. Ø	31.3	31.5	
Long joint - north tenon southern extern. Ø	31.6	32	
Bell socket thickness with brass	3.4	3.9	Without ferrule: 3.1–3.3 mm
Brass thickness of the bell ferrule	0.3	0.6	
Bell ferrule height	18	18.7	
Tone hole angle, Ø, length			
Butt - tone hole Ab angle	12° South		
Butt - tone hole F angle	19.5° North		
Butt - tone hole F♯ angle	17° South		
Butt - tone hole Ab approx. Ø	3.8		
Butt - tone hole F approx. Ø	6.4		
Butt - tone hole F♯ approx. Ø	5.2		
Butt - tone hole Ab approx. length	9.8		
Butt - tone hole F approx. length	12		
Butt - tone hole F# approx. length	15		
Long joint - tone hole D angle	0		
Long joint - tone hole E ♭ angle	6.5° South		
Long joint - tone hole B ♭ angle	0		
Long joint - tone hole D approx. Ø	6.7	7.3	
Long joint - tone hole E ♭ approx. Ø	5.35		
Long joint - tone hole B ♭ approx.Ø	8.8	9.3	
Long joint - tone hole D approx. length	8		
Long joint - tone hole E ♭ approx. length	6.6		
Long joint - tone hole B ♭ approx. length	8.5		
COMPLETE - INSIDE			
Wing - tone hole 1 distance from south	210		

***6-key tenoroon,* Thomas CAHUSAC, London, 1789**			
Wing - tone hole 2 distance from south	159		
Wing - tone hole 3 distance from south	125		
Wing - tone hole A distance from south	//		
Wing - tone hole W2 distance from south	//		
Butt - tone hole 4 distance from north	55		
Butt - tone hole 5 distance from north	106		
Butt - tone hole 6 distance from north	142		
Butt - tone hole Ab distance from north	220.5		
Butt - tone hole F distance from north	240		
Butt - tone hole F♯ distance from north	212		
Butt - tone hole E distance from north	115		
Long joint - tone hole D distance from north	375		From south 42 mm
Long joint- tone hole E ♭ distance from north	334		From south 87 mm
Long joint - tone hole C distance from north	235		From south 188 mm
Long joint - hole B ♭ distance from north	75		From south 345 mm
Bell - vent hole distance from north	x		