

1/2 inch Copper L (Blue) Chime Length Calculator for the C-9 Chord (C E G B^b D) Inches
 A-440 For a Tube or Rod unrestricted at both ends

To determine the resonant frequency for a rod set the ID=0 and enter the OD and Metal Type

Enter values in **BLUE**, answers in **ORANGE (inches)** and in **YELLOW (mm)**

OD inches = 0.625		ID inches = 0.545		Metal = Copper < Click to Select							
Wall = 0.040 inches		Length calculated for fundamental F Hang Point is for fundamental F node									
Note	Freq Hz	Length inches	Hang Point	Length mm	Hang Point	Note	Freq Hz	Length inches	Hang Point	Length mm	Hang Point
C1	32.70	55 7/8	12 1/2	1419.2	318.2	C5	523.30	14	3 1/8	355.6	79.7
E	41.21	49 13/16	11 3/16	1265.2	283.7	E	659.30	12 7/16	2 13/16	315.9	70.8
G	49.00	45 11/16	10 1/4	1160.5	260.2	G	784.00	11 7/16	2 9/16	290.5	65.1
A [#] /B ^b	58.30	41 7/8	9 3/8	1063.6	238.5	A [#] /B ^b	932.30	10 1/2	2 3/8	266.7	59.8
D2	73.41	37 5/16	8 3/8	947.7	212.5	D6	1,174.61	9 5/16	2 1/16	236.5	53.0
Total feet = 19.2		Total cm= 585.6		Total feet required 4.8		Total cm= 146.5					
C2	65.40	39 1/2	8 7/8	1003.3	224.9	C6	1,046.50	9 7/8	2 3/16	250.8	56.2
E	82.40	35 3/16	7 7/8	893.8	200.4	E	1,318.50	8 13/16	2	223.8	50.2
G	98.01	32 5/16	7 1/4	820.7	184.0	G	1,568.00	8 1/16	1 13/16	204.8	45.9
A [#] /B ^b	116.50	29 5/8	6 5/8	752.5	168.7	A [#] /B ^b	1,864.60	7 3/8	1 5/8	187.3	42.0
D3	146.80	26 3/8	5 15/16	669.9	150.2	D7	2,349.20	6 5/8	1 1/2	168.3	37.7
Total feet required 13.6		Total cm= 414.0		Total feet required 3.4		Total cm= 103.5					
C3	130.81	27 15/16	6 1/4	709.6	159.1	C7	2,093.00	7	1 9/16	177.8	39.9
E	164.80	24 7/8	5 9/16	631.8	141.7	E	2,637.00	6 1/4	1 3/8	158.8	35.6
G	196.00	22 13/16	5 1/8	579.4	129.9	G	3,136.00	5 11/16	1 1/4	144.5	32.4
A [#] /B ^b	233.10	20 15/16	4 11/16	531.8	119.2	A [#] /B ^b	3,729.20	5 1/4	1 3/16	133.4	29.9
D4	293.70	18 5/8	4 3/16	473.1	106.1	D8	4,698.40	4 11/16	1 1/16	119.1	26.7
Total feet required 9.6		Total cm= 292.6		Total feet required 2.4		Total cm= 73.3					
C4	261.60	19 3/4	4 7/16	501.7	112.5						
E	329.61	17 5/8	3 15/16	447.7	100.4						
G	392.00	16 1/8	3 5/8	409.6	91.8						
A [#] /B ^b	466.20	14 13/16	3 5/16	376.2	84.4						
D5	587.30	13 3/16	2 15/16	335.0	75.1						
Total feet required 6.8		Total cm= 207.0									
Calculate Length or Frequency for ID & OD entered above											
Enter F=	220.00	21 9/16	4 13/16	547.7	122.8	Convert	2.000	inches to	50.8	mm	
		Enter L ↓					60	mm to	2 3/8	inches	
F=	219.79	21 9/16	4 13/16	547.7	122.8	https://leehite.org/Chimes.htm					