

1.25 inch Copper M (**Red**) 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 = 1.375		ID inches = 1.291		Metal = Copper < Click to Select							
Wall = 0.042 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	84 5/16	18 7/8	2141.5	480.1	C5	523.30	21 1/16	4 3/4	535.0	119.9
E	41.21	75 1/8	16 13/16	1908.2	427.8	E	659.30	18 3/4	4 3/16	476.3	106.8
G	49.00	68 7/8	15 7/16	1749.4	392.2	G	784.00	17 3/16	3 7/8	436.6	97.9
A [#] /B ^b	58.30	63 1/8	14 1/8	1603.4	359.5	A [#] /B ^b	932.30	15 13/16	3 9/16	401.6	90.0
D2	73.41	56 1/4	12 5/8	1428.8	320.3	D6	1,174.61	14 1/16	3 1/8	357.2	80.1
Total feet = 29.0		Total cm= 883.1		Total feet required 7.2		Total cm= 220.7					
C2	65.40	59 5/8	13 3/8	1514.5	339.5	C6	1,046.50	14 7/8	3 5/16	377.8	84.7
E	82.40	53 1/8	11 15/16	1349.4	302.5	E	1,318.50	13 1/4	3	336.6	75.5
G	98.01	48 11/16	10 15/16	1236.7	277.3	G	1,568.00	12 3/16	2 3/4	309.6	69.4
A [#] /B ^b	116.50	44 11/16	10	1135.1	254.5	A [#] /B ^b	1,864.60	11 3/16	2 1/2	284.2	63.7
D3	146.80	39 13/16	8 15/16	1011.2	226.7	D7	2,349.20	9 15/16	2 1/4	252.4	56.6
Total feet required 20.5		Total cm= 624.7		Total feet required 5.1		Total cm= 156.1					
C3	130.81	42 1/8	9 7/16	1070.0	239.9	C7	2,093.00	10 9/16	2 3/8	268.3	60.2
E	164.80	37 9/16	8 7/16	954.1	213.9	E	2,637.00	9 3/8	2 1/8	238.1	53.4
G	196.00	34 7/16	7 3/4	874.7	196.1	G	3,136.00	8 5/8	1 15/16	219.1	49.1
A [#] /B ^b	233.10	31 9/16	7 1/16	801.7	179.7	A [#] /B ^b	3,729.20	7 7/8	1 3/4	200.0	44.8
D4	293.70	28 1/8	6 5/16	714.4	160.2	D8	4,698.40	7 1/16	1 9/16	179.4	40.2
Total feet required 14.5		Total cm= 441.5		Total feet required 3.6		Total cm= 110.5					
C4	261.60	29 13/16	6 11/16	757.2	169.8						
E	329.61	26 9/16	5 15/16	674.7	151.3						
G	392.00	24 3/8	5 7/16	619.1	138.8						
A [#] /B ^b	466.20	22 5/16	5	566.7	127.1						
D5	587.30	19 7/8	4 7/16	504.8	113.2						
Total feet required 10.2		Total cm= 312.3									
Calculate Length or Frequency for ID & OD entered above											
Enter F=	220.00	32 1/2	7 5/16	825.5	185.1	Convert	2.000	inches to	50.8	mm	
		Enter L ↓					60	mm to	2 3/8	inches	
F=	499.91	21 9/16	4 13/16	547.7	122.8	https://leehite.org/Chimes.htm					