

NRI		SLIDE 1			SLIDE 2		STRING	CALCULATOR
TENSION	STRING LENGTH		NOTE	DIAMETER		PITCH	STRING	HIGHEST PITCH
Kg	cm	inches		thou	mm	STAN-DARD	MATERIAL	for STRING MATERIAL
				5.6	0.14			
This column is fixed to a backing like the two on the far right are.			<i>d'''</i>	6.0	0.15	a' in Hz	Set the PITCH STANDARD on the left against the string material in this column.	Take out SLIDE 1, and hold it the left of this column, so that the STRING LENGTH is on the same row as
The two slides inbetween, SLIDES 1 & 2. are cut out to move up or down independ-ently.	10.0	4.0	<i>a''</i>	8.0	0.20		Then one gets the information one wants by moving SLIDE 1.	SET STRING LENGTH. Next to the STRING MATERIAL here is the highest pitch (NOTE) on
	10.6	4.2	<i>c'''</i>	6.7	0.17		If one aligns the NOTE with the	SLIDE 1 at a'=440 Hz.
	11.3	4.4	<i>b''</i>	7.1	0.18		DIAMETER,	
	11.9	4.7	<i>a''</i>	7.5	0.19		one gets the	
	12.6	5.0	<i>f''</i>	8.0	0.20		TENSION from the	
	13.4	5.3	<i>c''</i>	8.4	0.21		STRING LENGTH	
	14.2	5.6	<i>b'</i>	8.9	0.23		If one aligns the	
	15.0	5.9	<i>a'</i>	9.5	0.24		TENSION with the	
	15.9	6.3	<i>f'</i>	10.0	0.25		STRING LENGTH,	
	16.9	6.6	<i>e''</i>	10.6	0.27		one get the	
	17.9	7.0	<i>d''</i>	11.3	0.29		DIAMETER	
	18.9	7.5	<i>c''</i>	12.6	0.32		from the NOTE.	
	20.1	7.9	<i>b'</i>	13.4	0.34			
	21.3	8.4	<i>a'</i>	14.2	0.36			
	22.5	8.9	<i>f'</i>	15.0	0.38			
	23.9	9.4	<i>e'</i>	15.9	0.40			
	25.3	10.0	<i>d'</i>	16.9	0.43			
1.0	26.8	10.5	<i>c'</i>	17.9	0.45	494	NYLON	
1.1	28.4	11.2	<i>b'</i>	18.9	0.48	466		
1.2	30	11.8	<i>a'</i>	20.1	0.51	440	GUT	STEEL: Mod & Meuler II
1.4	32	12.5	<i>f'</i>	21.3	0.54	415		
1.6	34	13.3	<i>e'</i>	22.5	0.57	392	PVF	NYLON
1.8	36	14.1	<i>d'</i>	23.9	0.61			
2.0	38	14.9	<i>c'</i>	25.3	0.64			
2.2	40	15.8	<i>b'</i>	26.8	0.68			STEEL: Meuler I
2.5	43	16.7	<i>a'</i>	28.4	0.72			GUT: low twist
2.8	45	17.7	<i>f'</i>	30	0.76			
3.1	48	18.8	<i>e'</i>	32	0.81			
3.5	51	19.9	<i>d'</i>	34	0.86			IRON: baroque
3.9	54	21.1	<i>c'</i>	36	0.91			
4.4	57	22.3	<i>b'</i>	38	0.96			IRON: Renaissance
5.0	60	23.7	<i>a'</i>	40	1.02			BRASS: baroque
5.6	64	25.1	<i>f'</i>	43	1.08			GUT: high twist
6.2	67	26.6	<i>e'</i>	45	1.14			SILVER
7.0	72	28.2	<i>d'</i>	48	1.21			
7.9	76	30	<i>c'</i>	51	1.28		IRON, STEEL	
8.8	80	32	<i>b'</i>	54	1.36		BRASS, COPPER	
9.9	85	33	<i>a'</i>	57	1.44			GOLD
11.1	90	35	<i>f'</i>	60	1.53			
12.5	95	38	<i>e'</i>	64	1.62		SILVER	GUT: roped
14	101	40	<i>d'</i>	67	1.7			SET STRING LENGTH
16	107	42	<i>c'</i>	72	1.8			
18	114	45	<i>b'</i>	76	1.9			
20	120	47	<i>a'</i>	80	2.0			
22	127	50	<i>f'</i>	85	2.2		GOLD	
25	135	53	<i>e'</i>	90	2.3			
28	143	56	<i>d'</i>	95	2.4			
31	152	60	<i>c'</i>	101	2.6			
35	161	63	<i>b'</i>	107	2.7			
40	170	67	<i>a'</i>	114	2.9			
44	180	71	<i>f'</i>	120	3.1			
50	191	75	<i>e'</i>	127	3.2			
	202	80	<i>d'</i>	135	3.4			
	214	84	<i>c'</i>	143	3.6			
	227	89	<i>b'</i>	152	3.8			
	241	95	<i>a'</i>	161	4.1			
	255	100	<i>f'</i>	170	4.3			
	270	106	<i>e'</i>	180	4.6			
			<i>d'</i>	191	4.8			
			<i>c'</i>	202	5.1			
			<i>b'</i>	214	5.4			
			<i>a'</i>	227	5.8			

