



STRING TENSION

GUIDE FOR BASS GUITAR

UPDATED DECEMBER, 2020

Foreward

Whether you are a luthier, a repair tech, or someone looking to find your “ideal” set for your bass guitar, string tension will play a role. It is with this in mind that we at GHS have put together our String Tension Guide for Bass Guitar, as a resource to help you find the information you are looking for to help you in whatever role you fall.

PLEASE NOTE: This guide as a reference of the tension of our strings at various pitches. Please use caution when making sets that have extremely high tensions, as the set as a whole may put undue stress on the neck, as well as snap the core of the strings prematurely.

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How to Calculate Tension

String tension is the amount of force a string has when tuned to a specific pitch. To find out the tension of a particular string, you need three variables: the **Unit Weight**, the **Scale Length**, and the **Frequency or Pitch** of the string you will be using. This guide provides you with a comprehensive list of all our current bass guitar strings, listed in singles and pre-packaged sets. The formulas used are the industry standard, and can be used to approximate other string tensions.

- UW UNIT WEIGHT:** The weight of the string, measured in pounds per linear inch (lb/in).
- L SCALE LENGTH:** The vibrating length of a string. Measure the distance from the nut to the bridge of the instrument to find the scale length. GHS has used the below scale lengths in the enclosed guide; your individual instrument may vary.
- Long Scale Plus - 34"
 - Standard Long Scale - 34"
 - Medium Scale - 32"
 - Short Scale - 30"
- F FREQUENCY or PITCH:** The specific pitch at which each note is expressed, represented in cycles per second (Hertz).

To calculate the tension of a particular string in pounds, use the formula below, inserting the three needed variables.

$$T (\text{Tension}) = (\text{UW} \times (2 \times \text{L} \times \text{F})^2) / 386.4$$

For those looking for a specific tension, you can use the formula below to get the unit weight for your particular needs. With that, compare the unit weight against the ones listed in the following pages to find the string gauge that meets your needs.

$$\text{UW} (\text{Unit Weight}) = (T \times 386.4) / (2 \times \text{L} \times \text{F})^2$$

Frequency Chart

The chart below represents the frequency or pitch of each note, as it relates to the bass guitar fretboard. Standard tunings are shown in bold type; use the additional frequencies to calculate tension for strings when using altered tunings.

B0 30.9 Hz	E1 41.2 Hz	A1 55.0 Hz	D2 73.4 Hz	G2 98.0 Hz	C3 130.8 Hz	Nut / Open
C1 32.7 Hz	F1 43.7 Hz	A#1 58.3 Hz	D#2 77.8 Hz	G#2 103.8 Hz	C#3 138.6 Hz	First Fret
C#1 34.7 Hz	F#1 46.3 Hz	B1 61.7 Hz	E2 82.4 Hz	A2 110.0 Hz	D3 146.8 Hz	Second Fret
D1 36.7 Hz	G1 49.0 Hz	C2 65.4 Hz	F2 87.3 Hz	A#2 116.5 Hz	D#3 155.6 Hz	Third Fret
D#1 38.9 Hz	G#1 51.9 Hz	C#2 69.3 Hz	F#2 92.5 Hz	B2 123.5 Hz	E3 164.8 Hz	Fourth Fret
E1 41.2 Hz	A1 55.0 Hz	D2 73.4 Hz	G2 98.0 Hz	C3 130.8 Hz	F3 174.6 Hz	Fifth Fret

String Construction - At A Glance

The biggest thing to understand is that the "tension" of a string is not the same as the "feel" of the string under your fingers. String tension plays a part, but there are a number of other factors involved as well.

We've created these "at a glance" icons for you to quickly see/understand how our strings are made, and what makes each one unique.

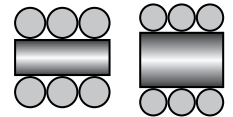
Winding Techniques: There are four types of winding techniques used for strings. The type providing the brightest tone (all else being equal) is the roundwound string. Next is the rollerwound, followed by the groundwound (also called a halfwound) and finally a flatwound.



String Materials: The hardness of common materials used in the cover wire of strings affects both the tone and "feel" of a string. Usually, with all else remaining constant, the harder the material the brighter the string. Common cover wire materials include (ranked by order of brightness) stainless steel, Alloy 52, nickel plated steel, pure nickel, and for acoustics, brass and bronze.



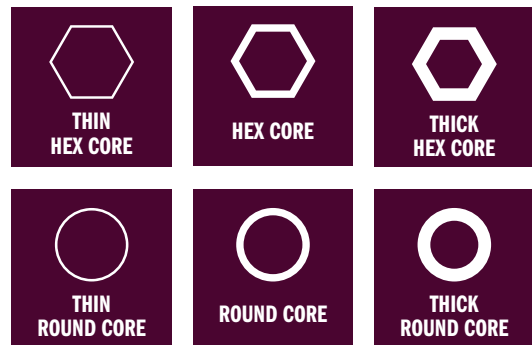
String Geometry: "String Geometry" refers to the ratio of the core wire diameter to the cover wire diameter. These two parameters are used to come up with the final string gauge.



A string with a **thin core** will have a small core-to-cover ratio, resulting in greater flexibility and a brighter tone.

Small Ratio **Large Ratio**

A string with a **thick core** will have a larger core-to-cover ratio, which gives a stiffer feel with a beefier tone and sustain.



String Lengths: Unless otherwise mentioned, all of our strings are made to the winding lengths listed below:

- Plain Steel - 42" overall length
- Wound Strings - 38" winding length (ball to taper), 40" overall length

SUPER STEELS™

- Roundwound Stainless Steel over a Hex Core - Grey Silks
- Bright, Punchy and Articulate Tone
- Extraordinary Longevity



By Individual String

Long Scale Plus (38" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0
PB18	.0000727	26.5	23.6	21.0	18.8	16.7																														
PB20	.0000841	30.7	27.3	24.3	21.7	19.3	17.2	15.3																												
STB027	.00016212		52.7	46.9	41.8	37.3	33.2	29.6	26.3	23.5	20.9	18.6	16.6																							
STB030	.00017301		56.3	50.1	44.6	39.8	35.4	31.6	28.1	25.0	22.3	19.9	17.7	15.8																						
STB035	.00023236					59.9	47.6	42.4	37.7	33.7	30.0	26.7	23.8	21.2	18.9	16.8																				
STB040	.00029172						53.2	47.4	42.3	37.6	33.5	29.9	26.6	23.7	21.1	18.8	16.8																			
STB044	.00038523									55.8	49.7	44.3	39.4	35.1	31.3	27.9	24.9	22.1	19.7	17.6	15.7															
STB046	.00040243									58.3	51.9	46.3	41.2	36.7	32.7	29.1	25.9	23.1	20.6	18.3	16.4															
STB050	.00048386											55.6	49.5	44.1	39.3	35.0	31.2	27.8	24.8	22.1	19.7	17.5	15.6													
STB058	.00059786												54.5	48.6	43.3	38.6	34.3	30.6	27.3	24.3	21.6	19.3	17.2	15.3												
STB063	.00077190													55.9	49.8	44.4	39.5	35.2	31.4	27.9	24.9	22.2	19.8	17.6	15.7											
STB067	.00082542													59.8	53.3	47.4	42.3	37.7	33.6	29.9	26.6	23.7	21.2	18.8	16.8											
STB070	.00095418																54.8	48.8	43.5	38.8	34.5	30.8	27.4	24.5	21.7	19.4	17.3									
STB080	.00113651																	58.2	51.8	46.2	41.1	36.6	32.6	29.2	25.9	23.1	20.6	18.3	16.4							
STB084	.00129257																		58.9	52.6	46.8	41.7	37.1	33.2	29.5	26.2	23.4	20.8	18.6	16.5						
STB090	.00136385																			55.5	49.4	43.9	39.2	35.0	31.1	27.7	24.7	22.0	19.6	17.4	15.6					
STB098	.00181843																				58.6	52.2	46.6	41.5	36.9	32.9	29.3	26.2	23.3	20.7	18.5	16.5				
STB102	.00200935																					57.7	51.5	45.8	40.8	36.4	32.4	28.9	25.7	22.9	20.4	18.2	16.2			
STB106	.00214559																						55.0	48.9	43.6	38.8	34.6	30.9	27.5	24.5	21.8	19.4	17.3	15.3		
STB121	.00279247																								56.7	50.6	45.0	40.2	35.7	31.8	28.4	25.3	22.5	20.0		
STB126	.00291823																									59.3	52.9	47.1	42.0	37.3	33.3	29.6	26.4	23.5	21.0	

Medium Scale (35.5" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0	
5501 (.044)	.00034447									55.7	49.6	44.2	39.3	35.1	31.2	27.8	24.8	22.1	19.7	17.5	15.6																
5502 (.063)	.00075784														54.6	48.6	43.3	38.6	34.4	30.6	27.3	24.3	21.6	19.3	17.2	15.3											
5503 (.084)	.00109724																	55.9	49.8	44.3	39.5	35.2	31.3	27.9	24.9	22.2	19.7	17.6	15.7								
5504 (.106)	.00199794																					57.0	50.9	45.4	40.4	36.0	32.0	28.5	25.5	22.6	20.2	16.0					

By Available Sets

Long Scale Plus (38" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
L5000 Light	153.5		STB40 33.5	STB58 38.6	STB80 41.1	STB102 40.8	
ML5000 Medium Light	176.0		STB44 44.3	STB63 49.8	STB80 41.1	STB102 40.8	
M5000 Medium	184.5		STB44 44.3	STB63 49.8	STB84 46.8	STB106 43.6	
CM5000 Custom Medium	184.3		STB46 46.3	STB67 53.3	STB80 41.1	STB106 43.6	

Standard Long Scale (36.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
SEM-STB Evan Marien Sig	159.3		STB35 26.7	STB58 38.6	STB70 34.5	STB90 27.7	STB121 31.8
5ML-STB Medium Light, 5 String	203.9		STB44 44.3	STB63 49.8	STB80 41.1	STB98 36.9	STB121 31.8
5M-STB Medium, 5 String	217.8		STB44 44.3	STB63 49.8	STB84 46.8	STB106 43.6	STB126 33.3
6L-STB Medium, 6 String	220.5	STB27 33.2	STB40 33.5	STB58 38.6	STB80 41.1	STB102 40.8	STB126 33.3

Medium Scale (35.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
5500 Medium	149.6		5501 (.044) 35.1	5502 (.063) 43.3	5503 (.084) 35.2	5504 (.106) 36.0	

CONTACT CORE™ SUPER STEELS™

- Roundwound Stainless Steel over a Hex Core - Grey Silks
- Exposed Core for Improved Intonation and Action
- Extra Clarity, Articulation and Tone



By Individual String

Standard Long Scale (36.5" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0
CC60	.00064841													59.2	52.7	46.9	41.8	37.3	33.2	29.6	26.4	23.5	20.9	18.6	16.6											
CC65	.00072849													59.2	52.7	47.0	41.9	37.3	33.2	29.6	26.4	23.5	20.9	18.7	16.6											
CC80	.00110296																	56.5	50.3	44.9	39.9	35.6	31.7	28.3	25.1	22.4	20.0	17.8	15.9							
CC85	.00122664																	55.9	49.9	44.4	39.5	35.2	31.4	27.9	24.9	22.2	19.8	17.7	15.7							
CC100	.00168265																					54.2	48.3	43.2	38.4	34.2	30.4	27.1	24.2	21.5	19.2	17.1	15.2			
CC105	.00187551																					53.9	48.1	42.7	38.1	34.0	30.2	27.0	24.0	21.4	19.1	16.9	15.1			
CC125	.00272903																						55.4	49.4	44.0	39.3	34.9	31.1	27.7	24.7	22.0	19.6				
CC129	.00304755																						55.2	49.1	43.9	39.0	34.7	30.9	27.6	24.6	21.9					

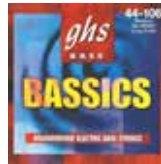
By Available Sets

Standard Long Scale (36.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B	Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
LS200	149.4	Light	STB40	CC60	CC80	CC100	5L-CC	180.5	Light, 5 String	STB40	CC60	CC80	CC100	CC125	
Light			33.5	41.8	39.9	34.2	33.5			41.8	39.9	34.2	31.1		
M5200	173.8	Medium	STB44	CC65	CC85	CC105	5M-CC	208.5	Medium, 5 String	STB44	CC65	CC85	CC105	CC129	
Medium			44.3	47.0	44.4	38.1	44.3			47.0	44.4	38.1	34.7		

BASSICS®

- Roundwound Nickel-Plated Steel over a Hex Core - NO Silks
- Clear and Present Tone, without being Harsh
- Smooth Feel on Fingers



By Individual String

Universal Long Scale (37.25" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0	
BAS27	.00019746			57.2	50.9	45.4	40.4	36.3	32.1	28.6	25.5	22.7	20.2	18.0	16.0																						
BAS40	.00029254							53.4	47.5	42.4	37.7	33.6	30.0	26.7	23.8	21.2	18.9	16.8	15.0																		
BAS44	.00034672							56.3	50.2	44.7	39.9	35.5	31.6	28.2	25.1	22.4	19.9	17.8	15.8																		
BAS58	.00061412													56.0	49.9	44.5	39.6	35.3	31.4	28.0	25.0	22.2	19.8	17.6	15.7												
BAS63	.00074073													53.7	47.8	42.6	37.9	33.8	30.1	26.8	23.9	21.3	19.0	16.9	15.0												
BAS80	.00116093																	59.4	52.9	47.2	42.0	37.4	33.4	29.8	26.5	23.6	21.0	18.7	16.7								
BAS84	.00130673																	59.6	53.2	47.3	42.2	37.5	33.5	29.8	26.5	23.7	21.1	18.8	16.7								
BAS102	.00187526																					53.9	48.1	42.7	38.1	33.9	30.2	27.0	24.0	21.4	19.1	17.0	15.1				
BAS106	.00202522																					58.2	52.0	46.2	41.1	36.7	32.7	29.2	25.9	23.1	20.6	18.3	16.3				
BAS130	.00324209																						58.7	52.3	46.7	41.5	36.9	32.9	29.3	26.1	23.3						

By Available Sets

Universal Long Scale (37.25" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B	Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
L6000	153.3	Light	BAS40	BAS58	BAS80	BAS102	M6000	176.1	Medium	BAS44	BAS63	BAS84	BAS106		
Light			33.6	39.6	42.0	38.1	39.9			47.8	47.3	41.1			
ML6000	167.8	Medium Light	BAS44	BAS63	BAS80	BAS102	M6000-5	213.0	Medium, 5 String	BAS44	BAS63	BAS84	BAS106	BAS130	
Medium Light			39.9	47.8	42.0	38.1	39.9			47.8	47.3	41.1	36.9		

BASS BOOMERS®

- Roundwound Nickel-Plated Steel over a Hex Core - Red Silks
- Low-Mid Punch and Definition
- The ORIGINAL Power String



By Individual String

Long Scale Plus (38" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0				
DYB30X	.0017947	58.3	51.9	46.3	41.2	36.7	32.7	29.1	26.0	23.1	20.6	18.4	16.4																											
DYB40X	.00031887							58.2	51.8	46.2	41.1	36.6	32.6	29.1	25.9	23.1	20.6	18.3	16.3																					
DYB45X	.00041633												53.7	47.8	42.6	38.0	33.8	30.2	26.8	23.9	21.3	18.9																		
DYB50X	.00047323													54.4	48.4	43.2	38.5	34.3	30.5	27.2	24.2	21.6	19.2	17.1																
DYB55X	.00057105														58.5	52.1	46.4	41.4	36.8	32.8	29.2	26.0	23.2	20.7	18.4	16.4														
DYB65X	.00080788															58.5	52.2	46.4	41.4	36.8	32.8	29.2	26.0	23.2	20.7	18.4	16.4													
DYB70X	.00091866																59.3	52.8	47.0	41.9	37.4	33.2	29.6	26.4	23.6	20.9	18.7	16.6												
DYB75X	.0104534																			53.5	47.7	42.5	37.8	33.7	30.0	26.8	23.8	21.2	18.9	16.8										
DYB80X	.0131659																				53.6	47.6	42.4	37.8	33.8	30.0	26.7	23.8	21.2	18.9	16.8	15.0								
DYB85X	.0141093																				57.4	51.1	45.5	40.5	36.2	32.2	28.7	25.5	22.8	20.3	18.0	16.1								
DYB90X	.0155487																					56.3	50.1	44.7	39.9	35.4	31.6	28.1	25.1	22.4	19.9	17.7	15.8	14.1						
DYB95X	.0178139																						57.4	51.2	45.7	40.6	36.2	32.3	28.7	25.7	22.8	20.3	18.1	16.1						
DYB100X	.0193456																							55.6	49.6	44.1	39.3	35.0	31.2	27.9	24.8	22.0	19.6	17.5	15.6					
DYB105X	.0214494																								55.0	48.9	43.6	38.8	34.6	30.9	27.4	24.4	21.8	19.4	17.3	15.4				

Universal Long Scale (37.25" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0					
PB18	.00007270	26.5	23.6	21.1	18.7	16.7																																			
PB20	.00008410	30.7	27.3	24.3	21.7	19.3	17.2	15.3																																	
DYB20	.00009726	35.5	31.6	28.2	25.1	22.4	19.9	17.7	15.8																																
DYB25	.00014277	52.1	46.4	41.3	36.8	32.8	29.3	26.0	23.2	20.7	18.4	16.4																													
DYB30	.00018173			52.6	46.8	41.8	37.2	33.2	29.5	26.3	23.4	20.9	18.6	16.6																											
DYB35	.00022576				51.9	46.2	41.2	36.7	32.7	29.1	26.0	23.1	20.6	18.4	16.3																										
DYB40	.00029254							53.4	47.5	42.3	37.7	33.6	29.9	26.7	23.8	21.2	18.9	16.8																							
DYB45	.00039025									56.5	50.3	44.8	39.9	35.6	31.7	28.3	25.2	22.4	20.0	17.8																					
DYB50	.00044866										57.8	51.6	45.9	40.9	36.5	32.5	28.9	25.8	22.9	20.5	18.3	16.2																			
DYB55	.00054649												56.0	49.9	44.4	39.6	35.3	31.4	28.0	24.9	22.3	19.8	17.6	15.7																	
DYB60	.00065431													59.7	53.2	47.4	42.2	37.6	33.5	29.8	26.6	23.7	21.1	18.8	16.8																
DYB65	.00077758														56.3	50.2	44.7	39.8	35.5	31.6	28.1	25.1	22.3	20.0	17.7																
DYB70	.00087143																56.2	50.0	44.6	39.7	35.4	31.5	28.1	25.0	22.4	19.8	17.7														
DYB75	.00099196																	57.0	50.8	45.3	40.3	35.9	32.0	28.5	25.4	22.6	20.1	17.9	16.0												
DYB80	.00124296																						56.7	50.6	45.0	40.1	35.7	31.9	28.3	25.2	22.5	20.0	17.9	15.9							
DYB85	.00136441																																								
DYB95	.00177657																							57.3	51.0	45.6	40.5	36.1	32.2	28.6	25.6	22.7	20.2	18.0	16.0						
DYB100	.00186258																								53.5	47.8	42.5	37.8	33.7	30.0	26.8	23.8	21.2	18.9	16.8	15.0					
DYB105	.00207884																									59.7	53.3	47.4	42.2	37.6	33.5	29.9	26.6	23.7	21.1	18.8	16.7				
DYB110	.00246386																										56.2	50.0	44.6	39.7	35.5	31.5	28.1	25.0	22.3	19.9	17.7				
DYB115	.00241806																										55.2	49.1	43.8	39.0	34.8	30.9	27.6	24.6	21.9	19.5	17.4				
DYB120	.00274276																											55.7	49.7	44.3	39.5	35.1	31.3	27.9	24.8	22.1	19.7				
DYB125	.00303173																												54.9	48.9	43.7	38.8	34.6	30.8	27.4	24.4	21.8				
DYB126	.00296169																												52.8	47.0	42.0	37.3	33.3	29.6	26.4	23.5	20.9				
DYB130	.00338012																												58.7	52.3	46.7	41.5	37.0	32.9	29.3	26.1	23.3				
DYB135	.00336554																													54.3	48.5	43.1	38.4	34.2	30.5	27.1	24.2				
DYB140	.00349147																													56.3	50.3	44.7	39.8	35.5	31.6	28.2	25.1</				

BASS BOOMERS® (cont.)

- Roundwound Nickel-Plated Steel over a Hex Core - Red Silks
- Low-Mid Punch and Definition
- The ORIGINAL Power String



By Individual String

Short Scale (32.75" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0		
3136 (.045)	.00041435							58.8	52.3	46.7	41.6	37.1	33.0	29.4	26.2	23.3	20.8	18.5	16.5																			
3036 (.050)	.00047666									53.7	47.8	42.6	38.0	33.8	30.2	26.9	23.9	21.3	19.0	16.9	15.1																	
3137 (.060)	.00066895											59.8	53.3	47.5	42.3	37.7	33.6	29.9	26.7	23.7	21.2	18.8	16.8															
3037 (.070)	.00088008												55.7	49.6	44.2	39.4	35.1	31.3	27.9	24.8	22.1	19.7	17.6	15.6														
3138 (.075)	.00099367													49.9	44.5	39.6	35.3	31.4	28.0	24.9	22.2	19.8	17.6	15.7														
3038 (.090)	.00147901																		58.9	52.5	46.8	41.7	37.1	33.1	29.5	26.2	23.4	20.8	18.6	16.6								
3139 (.095)	.00162311																			57.6	51.4	45.7	40.7	36.3	32.4	28.8	25.7	22.9	20.4	18.2	16.2							
3039 (.107)	.00208113																				58.6	52.2	46.6	41.6	36.9	32.9	29.3	26.1	23.3	20.7	18.5	16.4						

By Available Sets

Long Scale Plus (38" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
P3045 Piccolo	122.4		PB18 33.4	DYB30X 46.3	DYB40X 46.2	DYB50X 38.5	
L3045X Light	147.4		DYB40X 36.6	DYB55X 36.8	DYB75X 37.8	DYB95X 36.2	
ML3045X Medium Light	185.4		DYB45X 47.8	DYB65X 52.2	DYB80X 47.6	DYB100 37.8	
M3045X Medium	194.7		DYB45X 47.8	DYB65X 52.2	DYB85X 51.1	DYB105X 43.6	
5M-C-DYB Medium, 5 String	222.1	DYB30X 36.7	DYB45X 47.8	DYB65X 52.2	DYB80X 47.6	DYB100 37.8	
8L5-DYB Regular, 8 String	278.8	Octaves 38.6	PB20 36.8	DYB25 36.8	DYB35 32.7	DYB45X 33.8	
		Regulars	DYB40X 36.6	DYB55X 36.8	DYB70X 33.2	DYB90X 31.6	

Medium Scale (35.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3140 Medium Light	144.8		3041 (.045) 41.8	3042 (.065) 36.9	3143 (.080) 35.6	3144 (.100) 30.5	
3040 Regular	151.3		3041 (.045) 41.8	3042 (.065) 36.9	3043 (.085) 39.9	3044 (.105) 32.7	

Short Scale (32.75" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3135 Light	124.4		3136 (.045) 37.1	3137 (.060) 33.6	3138 (.075) 28.0	3139 (.095) 25.7	
3035 Regular	161.4		3036 (.050) 42.6	3037 (.070) 44.2	3038 (.090) 41.7	3039 (.107) 32.9	

Universal Long Scale (37.25" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
XL3045 Extra Light	109.1		DYB30 20.9	DYB50 28.9	DYB70 31.5	DYB90 27.8	
L3045 Light	140.8		DYB40 33.6	DYB55 35.2	DYB75 35.9	DYB95 36.1	
ML3045 Medium Light	177.7		DYB45 44.8	DYB65 50.1	DYB80 45.0	DYB100 37.8	
M3045 Medium	186.5		DYB45 44.8	DYB65 50.1	DYB85 49.4	DYB105 42.2	
M3045F Flea Signature Set	186.5		DYB45 44.8	DYB65 50.1	DYB85 49.4	DYB105 42.2	
H3045 Heavy	221.0		DYB50 51.3	DYB70 56.2	DYB95 64.3	DYB115 49.2	
4ML-B-DYB Med Light, BEAD Tuning	158.2			DYB60 42.2	DYB80 45.0	DYB100 37.8	DYB126 33.2
4M-B-DYB Medium, BEAD Tuning	180.2			DYB65 50.1	DYB85 49.4	DYB105 42.2	DYB130 38.5
4H-B-DYB Heavy, BEAD Tuning	202.0			DYB70 56.2	DYB90 56.8	DYB115 49.2	DYB140 39.8
5L-DYB Light, 5 String	172.1		DYB40 33.6	DYB55 35.2	DYB75 35.9	DYB95 36.1	DYB120 31.3
5ML-DYB Medium Light, 5 String	210.9		DYB45 44.8	DYB65 50.1	DYB80 45.0	DYB100 37.8	DYB126 33.2
5M-DYB Medium, 5 String	225.0		DYB45 44.8	DYB65 50.1	DYB85 49.4	DYB105 42.2	DYB130 38.5
6ML-DYB Medium Light, 6 String	248.1	DYB30 37.2	DYB45 44.8	DYB65 50.1	DYB80 45.0	DYB100 37.8	DYB126 33.2

ROUND CORE BASS BOOMERS®

- Roundwound Nickel-Plated Steel over a Round Core - Red Silks
- Fuller Frequency Sound, Generous in the Low Mids
- Balanced Construction on GDAE Strings for Better Clarity



By Individual String

Universal Long Scale (37.25" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0		
RC-DYB30	.00016211						33.2	29.6	26.3	23.5	20.9	18.6	16.6																									
RC-DYB40	.00031495							57.5	51.2	45.6	40.6	36.2	32.2	28.7	25.6	22.8	20.3	18.1	16.1																			
RC-DYB45	.00037101								53.7	47.8	42.6	38.0	33.8	30.2	26.9	23.9	18.9	16.9	15.1																			
RC-DYB50	.00047242										54.3	48.4	43.1	38.4	34.2	30.5	27.2	24.2	21.5	19.2	17.1	15.2																
RC-DYB55	.00051411										59.1	52.6	46.9	41.8	37.2	33.2	29.5	26.3	23.5	20.9	18.6	16.5																
RC-DYB60	.00058724											53.6	47.7	42.5	37.9	33.7	30.1	26.8	23.9	21.3	18.9	16.9	15.1															
RC-DYB65	.00071326												58.0	51.7	46.0	41.0	36.5	32.5	29.0	25.8	23.0	20.5	18.3	16.3														
RC-DYB70	.00081914													59.3	52.8	47.1	42.0	37.4	33.3	29.6	26.4	23.5	21.0	18.7	16.6													
RC-DYB75	.00100619																57.8	51.5	45.9	40.9	36.4	32.4	28.9	25.8	22.9	20.4	18.2	16.2										
RC-DYB80	.00119324																	54.4	48.5	43.2	38.5	34.3	30.6	27.2	24.2	21.6	19.2	17.2	15.3									
RC-DYB85	.00136168																		55.4	49.3	43.9	39.1	34.9	31.0	27.7	24.7	21.9	19.6	17.4	15.5								
RC-DYB95	.00173438																			62.8	55.9	49.8	44.5	39.5	35.2	31.4	28.0	25.0	22.2	19.8	17.6	15.7						
RC-DYB100	.00188275																									54.1	48.3	42.9	38.2	34.1	30.4	27.1	24.1	21.5	19.1	17.0	15.2	
RC-DYB105	.00200873																									57.7	51.5	45.8	40.8	36.4	32.4	28.9	25.7	22.9	20.4	18.4	16.2	
RC-DYB115	.00224009																										57.5	51.1	45.5	45.6	36.1	32.3	28.7	25.5	22.8	20.3	18.1	16.1
RC-DYB126	.00280684																										57.0	50.8	45.3	40.4	35.9	32.0	28.5	25.4	22.6	20.2		
RC-DYB130	.00311241																											56.4	50.2	44.8	39.8	35.5	31.6	28.2	25.1	22.4		

By Available Sets

Universal Long Scale (37.25" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
RC-L3045 Light	141.0		RC-DYB40 36.2	RC-DYB55 33.2	RC-DYB75 36.4	RC-DYB95 35.2	
RC-ML3045 Medium Light	170.0		RC-DYB45 42.6	RC-DYB65 46.0	RC-DYB80 43.2	RC-DYB100 38.2	
RC-M3045 Medium	178.7		RC-DYB45 42.6	RC-DYB65 46.0	RC-DYB85 49.3	RC-DYB105 40.8	
RC-H3045 Heavy	215.4		RC-DYB50 54.3	RC-DYB70 52.8	RD-DYB95 62.8	RC-DYB115 45.5	
RC-5ML-DYB Medium Light, 5 String	202.0		RC-DYB45 42.6	RC-DYB65 46.0	RC-DYB80 43.2	RC-DYB100 38.2	RC-DYB126 32.0
RC-5M-DYB Medium, 5 String	214.2		RC-DYB45 42.6	RC-DYB65 46.0	RC-DYB85 49.3	RC-DYB105 40.8	RC-DYB130 35.5
RC-6ML-DYB Medium Light, 6 String	235.2	RC-DYB30 33.2	RC-DYB45 42.6	RC-DYB65 46.0	RC-DYB80 43.2	RC-DYB100 38.2	RC-DYB126 32.0

CROSSOVERS

- Groundwound Nickel-Iron over a Round Core - Red Silks
- Mellow Tone with Punch and Definition; Good for Pizz and Arco
- For NS Design CR and NXT Electric-Upright Bases ONLY!



By Individual String

NS Standard Double Bass 3/4 Length (46.5" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0		
NS37	.00032422							56.9	50.7	45.1	40.2	35.8	31.9	28.4	25.4	22.6	20.1																					
NS53	.00062989												69.6	62.0	55.2	49.2	43.8	39.1	34.8	30.9	27.6	24.6	21.9															
NS74	.00110231																																					
NS104	.00204715																																					
NS127	.00314940																																					

By Available Sets

NS Standard Double Bass 3/4 Length (46.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
NS3075 Medium	243.2		NS37 56.9	NS53 62.0	NS74 60.9	NS104 63.4	
NS3075-5 Medium, 5 String	298.0		NS37 56.9	NS53 62.0	NS74 60.9	NS104 63.4	NS127 54.8

PRESSUREWOUND™

- Rollerwound Nickel-Iron over a Hex Core - Black Silks
- Roundwound Tone and Definition with Minimal Finger Noise
- Deep Tone with Punch and Clarity



By Individual String

Universal Long Scale (37.25" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0	
PWB28	.0016178	52.6	46.9	41.7	37.2	33.2	29.5	26.3	23.4	20.9	18.6	16.6																									
PWB40	.00032349							59.0	52.5	46.8	41.7	37.2	33.1	29.5	26.3	23.4	20.8	18.6	16.6																		
PWB44	.00037715									54.6	48.6	43.3	38.6	34.4	30.6	27.3	24.3	21.7	19.3	17.2																	
PWB054	.00056615												58.0	51.6	46.0	41.0	36.5	32.5	29.0	25.8	23.0	20.5	18.3	16.3													
PWB058	.00064945												59.2	52.8	47.0	41.9	37.3	33.2	29.6	26.4	23.5	20.9	18.7														
PWB062	.00075360													54.6	48.6	43.3	38.6	34.4	30.6	27.3	24.3	21.7	19.3	17.2													
PWB076	.00108491																	55.5	49.5	44.1	39.3	35.0	31.2	27.8	24.7	22.0	19.6	17.5									
PWB080	.00123089																		56.1	50.1	44.6	39.7	35.4	31.6	28.1	25.0	22.3	19.8	17.7	15.8							
PWB084	.00130260																		59.4	53.0	47.2	42.0	37.4	33.4	29.7	26.5	23.6	21.0	18.8	16.7							
PWB096	.00168590																			54.4	48.4	43.3	38.4	34.2	30.5	27.2	24.3	21.6	19.2	17.1	15.3						
PWB102	.00194575																			55.9	49.9	44.4	39.5	35.2	31.4	28.0	24.9	22.2	19.8	17.6	15.7						
PWB106	.00236502																								53.9	48.0	42.8	38.1	34.1	30.3	26.9	24.0	21.4	19.1			
PWB128	.00297998																									54.0	48.0	42.9	38.1	34.0	30.3	27.0	24.0	21.4	19.1		

Short Scale (32.75" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0	
7701 (.040)	.00033069	52.7	46.9	41.8	37.3	33.2	29.6	26.4	23.5	20.9	18.7	16.6																									
7702 (.054)	.00060118												53.8	47.9	42.7	38.0	33.9	30.2	26.9	24.0	21.3	19.0	16.9	15.1													
7703 (.076)	.00128603																		57.5	51.3	45.7	40.7	36.2	32.3	28.8	25.7	22.8	20.3	18.1	16.1							
7704 (.096)	.00183720																									51.8	46.1	41.1	36.7	32.6	29.1	25.9	23.1	20.6	18.3	16.3	

By Available Sets

Universal Long Scale (37.25" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
L7200 Light	147.2		PWB40 37.2	PWB54 36.5	PWB76 39.3	PWB96 34.2	
ML7200 Medium Light	169.3		PWB44 43.3	PWB58 41.9	PWB80 44.6	PWB102 39.5	
M7200 Medium	187.1		PWB44 43.3	PWB62 48.6	PWB84 47.2	PWB106 48.0	
M7200-5 Medium, 5 String	221.1		PWB44 43.3	PWB62 48.6	PWB84 47.2	PWB106 48.0	PWB128 34.0

Short Scale (32.75" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
7700 Light	125.1		7701 (.040) 29.6	7702 (.054) 30.2	7703 (.076) 36.2	7704 (.096) 29.1	

PRESSUREWOUND™ BRONZE

- Rollerwound Phosphor Bronze over a Round Core - NO Silks
- No Harsh Overtones or Finger Noise
- Sounds Great with Magnetic Pickups!



By Individual String

Universal Long Scale (37.25" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0
RBB42	.00030281	55.2	49.2	43.8	39.0	34.8	31.0	27.6	24.6	21.9	19.5	17.4	15.5																							
RBB56	.00062680												57.2	50.9	45.4	40.4	36.0	32.1	28.6	25.5	22.7	20.2	18.0	16.1												
RBB74	.00109518																		56.1	49.9	44.5	39.6	35.3	31.5	28.1	25.0	22.2	19.8	17.7	15.8						
RBB92	.00170037																			54.8	48.9	43.6	38.7	34.5	30.8	27.4	24.5	21.8	19.4	17.3	15.4					
RBB120	.00264771																									53.8	47.9	42.7	38.1	33.9	30.2	26.9	24.0	21.4	19.1	

By Available Sets

Universal Long Scale (37.25" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
4L-RBB Light	149.3		RBB42 34.8	RBB56 40.4	RBB74 39.6	RBB92 34.5	

BRITE FLATS™

- Groundwound Nickel-Iron over a Hex Core - Dark Blue Silks
- Roundwound Attack with Flatwound Feel
- Mellow Sound, with Tight Definition and Sustain



By Individual String

Long Scale Plus (38" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0				
BF27	.00016294		52.3	47.2	42.0	37.4	33.4	29.7	26.4	23.6	21.0	18.7	16.7																											
BF45	.00033286								54.1	48.2	42.9	38.3	34.1	30.4	27.0	24.1	21.5	19.2	17.0	15.2																				
BF49	.00037284									54.0	48.1	42.8	38.2	34.0	30.3	27.0	24.0	21.4	19.1	17.0	15.2																			
BF52	.00045956										59.3	52.8	47.1	41.9	37.3	33.3	29.6	26.4	23.5	20.9	18.7	16.3																		
BF56	.00055712												57.0	50.8	45.3	40.4	35.9	32.0	28.5	25.4	22.7	20.2	18.0	16.0																
BF62	.00068278													55.5	49.5	44.0	39.2	34.9	31.1	27.8	24.7	22.0	19.6	17.5	15.6															
BF65	.00074284														53.8	47.9	42.7	38.0	33.9	30.2	26.9	23.9	21.3	19.1	16.9															
BF77	.00108720																		55.7	49.6	44.2	39.3	35.0	31.3	27.9	24.8	22.1	19.7	17.5											
BF84	.00136654																			55.6	49.5	44.0	39.3	35.1	31.1	27.7	24.7	22.0	19.7	17.5										
BF98	.00191153																						54.9	49.0	43.6	38.8	34.6	30.8	27.5	24.5	21.8	19.4	17.3	15.4						
BF103	.00206683																						59.4	53.0	47.1	42.0	37.4	33.3	29.8	26.4	23.6	21.0	18.7	16.7						
BF108	.00220740																							56.6	50.3	44.8	40.0	35.6	31.8	28.2	25.2	22.4	20.0	17.8	15.9					
BF129	.00319394																											51.5	46.0	40.8	36.4	32.5	28.9	25.8	22.9					

Medium Scale (35.5" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0				
3066 (.049)	.00045345																																							
3067 (.062)	.00069298														56.0	49.8	44.5	39.6	35.3	31.4	28.0	24.9	22.2	19.8	17.6	15.7														
3068 (.084)	.00120910																				54.8	48.8	43.6	38.8	34.5	30.8	27.5	24.4	21.7	19.4	17.3	15.4								
3069 (.108)	.00218012																							55.5	49.5	44.0	39.2	34.9	31.1	27.8	24.7	22.0	19.6	17.4						

Short Scale (32.75" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0					
3071 (.049)	.00047964																																								
3072 (.062)	.00072449														57.7	51.4	45.8	40.9	36.4	32.4	28.9	25.7	23.0	20.4	18.2	16.2															
3073 (.084)	.00125724																				56.3	50.1	44.6	39.8	35.4	31.6	28.1	25.1	22.3	19.9	17.7	15.8									
3074 (.108)	.00218012																								54.7	48.8	43.5	38.7	34.5	30.7	27.4	24.5	21.7	19.4	17.2	15.4					

By Available Sets

Long Scale Plus (38" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
L3075 Light	152.3		BF45 38.3	BF56 35.9	BF77 39.3	BF98 38.8	
ML3075 Medium Light	192.2		BF52 52.8	BF65 47.9	BF84 49.5	BF103 42.0	
M3075 Medium	181.1		BF49 42.8	BF62 44.0	BF84 49.5	BF108 44.8	
M3075-5 Medium, 5 String	217.5		BF49 42.8	BF62 44.0	BF84 49.5	BF108 44.8	BF129 36.4

Medium Scale (35.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3065 Regular	163.8		3066 (.049) 46.2	3067 (.062) 39.6	3068 (.084) 38.8	3069 (.108) 39.2	

Short Scale (32.75" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3070 Regular	150.2		3071 (.049) 42.9	3072 (.062) 36.4	3073 (.084) 35.4	3074 (.108) 35.5	

PRECISION FLATS™

- Flatwound Stainless Steel over a Hex Core - Purple Silks
- Polished to a Velvety Smooth Finish
- The Sound of Chocolate! Dark, Thick, Thumpy Tone



By Individual String

Long Scale Plus (38" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0		
FB28	.0016859		54.8	48.8	43.5	38.7	34.5	30.7	27.3	24.4	21.7	19.4	17.3	15.4																								
FB45	.00036100							58.6	52.3	46.5		41.5	36.9	32.9	29.3	26.1	23.3	20.7	18.5	16.5																		
FB55	.00059573													54.3	48.4	43.2	38.4	34.2	30.5	27.2	24.2	21.6	19.2	17.1	15.3													
FB60	.00072062													58.6	52.2	46.5	41.4	36.9	32.9	29.3	26.1	23.2	20.7	18.5	16.4													
FB65	.00078579													56.9	50.7	45.2	40.2	35.8	31.9	28.4	25.3	22.6	20.2	17.9	15.9													
FB70	.00096566																	55.5	49.4	44.0	39.3	34.9	31.1	27.7	24.8	22.0	19.6	17.5	15.6									
FB75	.00106341																	54.4	48.5	43.3	38.5	34.3	30.5	27.3	24.2	21.6	19.3	17.1	15.3									
FB80	.00123933																		56.5	50.4	44.9	39.9	35.6	31.8	28.3	25.2	22.4	20.0	17.9	15.9								
FB85	.00141525																			57.6	51.2	45.6	40.7	36.3	32.3	27.7	25.6	22.8	20.4	18.1	16.1							
FB90	.00157079																				56.9	50.6	45.1	40.3	35.8	31.9	28.4	25.3	22.6	20.1	17.9	15.9						
FB95	.00180706																					58.2	51.9	46.4	41.0	36.7	32.7	29.1	26.0	23.1	20.6	18.3	16.4					
FB105	.00203172																					58.4	52.1	46.3	41.2	36.8	32.8	29.3	26.0	23.2	20.6	18.4	16.4					
XLFB126	.00301768																										54.6	48.7	43.4	38.6	34.4	30.7	27.3	24.3	21.7			

Medium Scale (35.5" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0		
3121 (.045)	.00034470							55.7	49.6	44.2	39.4	35.1	31.3	27.8	24.8	22.1	19.7	17.5	15.6																			
3122 (.060)	.00068894													55.7	49.6	44.2	39.4	35.0	31.2	27.8	24.8	22.1	19.7	17.5	15.7													
3123 (.075)	.00103342																59.0	52.6	46.9	41.7	37.2	33.1	29.5	26.3	23.5	20.9	18.6	16.6										
3124 (.095)	.00172236																					55.3	49.2	43.8	39.1	34.8	31.0	27.6	24.6	21.9	19.5	17.4	15.5					

Short Scale (32.75" Winding Length)

Cat. No.	Unit Weight	F3	E3	D#3	D3	C#3	C3	B2	A#2	A2	G#2	G2	F#2	F2	E2	D#2	D2	C#2	C2	B1	A#1	A1	G#1	G1	F#1	F1	E1	D#1	D1	C#1	C1	B0	A#0	A0	G#0	G0		
3021 (.045)	.00041594							59.1	52.6	46.9	41.7	37.2	33.2	29.5	26.3	23.4	20.9	18.6	16.6																			
3022 (.060)	.00066346												59.4	52.9	47.1	41.9	37.4	33.3	29.7	26.4	23.6	21.0	18.7	16.6														
3023 (.075)	.00097376													54.9	48.9	43.6	38.8	34.6	30.8	27.4	24.4	21.8	19.5	17.3	15.4													
3024 (.095)	.00153294																					54.4	48.5	43.2	38.5	34.3	30.6	27.2	24.3	21.6	19.2	17.2	15.3					

By Available Sets

Long Scale Plus (38" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3025			FB45	FB60	FB75	FB95	
Light	163.2		41.5	46.5	38.5	36.7	
CM3050			FB45	FB60	FB80	FB105	
Custom Medium	174.1		41.5	46.5	44.9	41.2	
M3050			FB45	FB65	FB85	FB105	
Medium	184.6		41.5	50.7	51.2	41.2	
3050			FB55	FB70	FB90	FB105	
Regular	229.1		68.8	62.2	56.9	41.2	
M3050X-5			FB45	FB65	FB85	FB105	XLFB126
Medium, 5 String	219.0		41.5	50.7	51.2	41.2	34.4

Universal Long Scale (37.25" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
M3050-5			FB45	FB65	FB85	FB105	FB126
Medium, 5 String	219.0		41.5	50.7	51.2	41.2	34.4

Medium Scale (35.5" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3120			3121 (.045)	3122 (.060)	3123 (.075)	3124 (.095)	
Light	138.6		35.1	39.4	33.1	31.0	

Short Scale (32.75" Winding Length)

Cat. No.	TOTAL	High C	1-G	2-D	3-A	4-E	5-B
3020			3021 (.045)	3022 (.060)	3023 (.075)	3024 (.095)	
Light	122.2		37.2	33.3	27.4	24.3	

Final Thoughts

This tension guide is just that; a guide. You're the expert at your own personal playing style and needs; if something doesn't feel/sound right, change it! Music is a very organic art form, so while you can start with science, you perfect it by touch and feel.

If you're perfectly happy with playing a pre-packaged set of strings, *GREAT!*

If you're excited about putting together that balanced tension set, *GREAT!*

If you want to try a set with less/more tension than what you're used to, *GREAT!*

You're playing. You're learning. That's the important part. We'll provide the strings; you provide the inspiration.



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