



ENSEMBLE CLASSICAL GUITAR STRINGS



Savarez Ensemble strings	Tuning	Vibrating Length	Sets references
Soprano guitar 1 octave higher than standard guitar	E1 B2 G3 D4 A5 E6	40 cm	SOP670R : normal tension SOP670J : high tension
Alto guitar / Requinto 1 quint higher than standard guitar	B1 F#2 D3 A4 E5 B6	43,5 cm	ALT670R : normal tension ALT670J : high tension
Terz guitar 1 tierce higher than standard guitar	G1 D2 A#3 F4 C5 G6	56 cm	TER670R
Standard classical guitar	E1 B2 G3 D4 A5 E6	65 cm	510CR...
Quint bass 6 strings guitar (Bariton) 1 octave lower than alto guitar 1 quart lower than standard guitar 1 Quint higher than contrabass guitar	B1 F#2 D3 A4 E5 B6	70 cm	6Q640AR
Quint bass 7 strings guitar 1 octave lower than alto guitar 1 quart lower than standard guitar 1 Quint higher than contrabass guitar	B1 F#2 D3 A4 E5 B6 D7	70 cm	7Q640AR
Lower octave set-classical guitar 1 octave lower than standard guitar	E1 B2 G3 D4 A5 E6	65 cm	LOW640R
Contrabass 6 strings guitar 1 octave lower than standard guitar	E1 B2 G3 D4 A5 E6	75 cm	6CB640R
Contrabass 6 strings guitar 1 octave lower than standard guitar	E1 B2 G3 D4 A5 E6	78 cm	6CB640RL
Guitarron 1 octave lower than standard guitar	E1 B2 G3 D4 A5 E6	65 cm	GRN640R
Contrabass 4 strings guitar	G1 D2 A3 E4	81 cm	4CB640R
Contrabass 4 strings guitar	G1 D2 A3 E4	86 cm	4CB640RL

PRODIGE Savarez sets for small classical guitar:

E1 B2 G3 D4 A5 E6

Prodige Alliance : Alliance trebles / silver plated wound basses	V.L 38/55 cm : 500AXS V.L 58/64 cm : 540AS V.L 58 cm : 540ASW - with wound G-3 string
Prodige Classic : nylon trebles / silver plated wound basses	V.L 38/55 cm : 540CXS V.L 58/64 cm : 540CS V.L 58 cm : 540CSW - with wound G-3 string

Soprano guitar : 1 octave higher than standard guitar

SOP670R : normal tension - SOP670J : high tension

Vibrating Length : 40 cm

Position	Note	Technology	SOP670R - Diameter mm	SOP670J - Diameter mm	Freq. Hz
1	E - MI	Rectified nylon	0,44	0,5	660
2	B - SI	Rectified nylon	0,6	0,7	494
3	G - SOL	Rectified nylon	0,74	0,89	392
4	D - RE	Single wound	0,55	0,62	294
5	A - LA	Single wound	0,65	0,74	220
6	E - MI	Single wound	0,75	0,92	165

Alto guitar: 1 quint higher than standard guitar

ALT670R : normal tension - ALT670J : high tension

Vibrating Length : 43,5 cm

Position	Note	Technology	ALT670R - Diameter mm	ALT670J - Diameter mm	Freq. Hz
1	B - SI	Nylon	0,71	0,73	494
2	F sharp - FA#	Nylon	0,73	0,75	370
3	D - RE	Nylon	0,83	0,85	294
4	A - LA	Nylon	1,03	1,05	220
5	E - MI	Single wound	0,74	0,75	164,8
6	B - SI	Single wound	0,85	0,9	123,5

Terz guitar: 1 tierce higher than standard guitar

TER670R

Vibrating Length : 56 cm

Position	Note	Technology	Diameter mm	Freq. Hz	Tension kg
1	G - SOL	Rectified nylon	0,56	392	5,23
2	D - RE	Rectified nylon	0,74	294	5,14
3	A sharp - LA#	Rectified nylon	0,94	233,5	5,23
4	F - FA	Copper wound	0,65	175	5,17
5	C - DO	Copper wound	0,76	131	5,1
6	G - SOL	Copper wound	0,96	98	5,06

Standard prime guitar

Vibrating Length : 65 cm

Technology: depending of the large choice of Savarez sets for classical guitar

Position	Note	Freq. Hz
1	E - MI	329,6
2	B - SI	246,88
3	G - SOL	196
4	D - RE	146,79
5	A - LA	110
6	E - MI	82,4

Quint bass 6 strings/Quint bass 7 strings guitar: 1 quint higher than bass guitar, 1 quart lower than standard guitar

6Q640AR

Vibrating Length : 70 cm

Position	Note	Technology	Diameter mm	Freq. Hz	Tension kg
1	B - SI	Alliance	0,71	247	8
2	F sharp - FA#	Alliance	0,86	185	6,5
3	D - RE	Single wound	0,83	147	9,4
4	A - LA	Single wound	1,04	110	9,8
5	E - MI	Single wound	1,22	82,4	8,4
6	B - SI	Single wound	1,55	61,75	8,2

7Q640AR with the additional 7th string :

Vibrating Length : 70 cm

7	D - RE	Double wound	2,33	36,75	7,5
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Lower octave guitar : 1 octave lower than standard guitar

LOW640R

Vibrating Length : 65 cm

Position	Note	Technology	Diameter mm	Freq. Hz
1	E - MI	Single wound	0,69	165
2	B - SI	Single wound	0,79	123,5
3	G - SOL	Single wound	0,95	98
4	D - RE	Single wound	1,27	73,5
5	A - LA	Single wound	1,69	55
6	E - MI	Double wound	2,17	41,25

Contrabass 6 strings guitar : 1 octave lower than standard guitar

6CB640R

Vibrating Length : 75 cm

Position	Note	Technology	Diameter mm	Freq. Hz
1	E - MI	Single wound	0,75	165
2	B - SI	Single wound	0,85	123,5
3	G - SOL	Single wound	1,00	98
4	D - RE	Single wound	1,30	73,5
5	A - LA	Single wound	1,70	55
6	E - MI	Double wound	2,20	41,25

Contrabass 6 strings guitar : 1 octave lower than standard guitar

6CB640RL

Vibrating Length : 78 cm

Position	Note	Technology	Diameter mm	Freq. Hz	Tension kg
1	E - MI	Alliance	1,01	165	9
2	B - SI	Single Wound	0,88	123,5	9,4
3	G - SOL	Single Wound	1,05	98	9,6
4	D - RE	Single Wound	1,29	73,5	9,5
5	A - LA	Single Wound	1,67	55	9,5
6	E - MI	Double Wound	2,1	41,2	9,4

Guitarron : 1 octave lower than standard guitar

GRN640R

Vibrating Length : 65,4 cm

Position	Note	Technology	Diameter mm	Freq. Hz	Tension kg
1	E - Mi	Plastic wound on nylon	1,80	165	9
2	B - SI	Double wound	2,05	123,5	8
3	G - SOL	Double wound	2,03	98	7
4	D - RE	Simple wound	1,76	73,5	7
5	A - LA	Double wound	2,22	55	9
6	E - MI	Double wound	2,94	41,2	8

Contrabass 4 strings guitar : 1 octave lower than standard guitar

4CB640R: Vibrating Length 81 cm

4CB640RL: Vibrating Length 86 cm

Position	Note	Technology	Diameter mm	Freq. Hz
1	G - SOL	Single wound	1,42	98
2	D - RE	Single wound	1,7	73,5
3	A - LA	Single wound	2,2	55
4	E - MI	Single wound	2,7	41,25

Frequency ranges of ensemble guitar strings

