



There are two reasons  
you'd make this face.  
We can help with one.

# PRODUCT CATALOG

High Performance Guitar Components and Accessories

## WHY CHOOSE GRAPH TECH?

### TRUSTED PRODUCTS

Graph Tech has been creating superior guitar components since 1983. As the world's leader in manufacturing nuts, saddles, bridge pins, hardware and electronics, the most recognized names in the guitar industry depend on Graph Tech products to deliver superior performance every time.

*Performance and innovation is our passion.* We are constantly developing materials and improving processes to give your acoustic and electric instruments the best performance possible.

### SERVICE

Whether you need assistance finding the right saddle for your specific guitar, installing a new bridge or figuring out the best nut material for your unique playing style, our Tech Team is dedicated to helping you.

### QUALITY

Graph Tech starts by listening to actual players' issues, concerns plus our own, as many of us at Graph Tech have played professionally or are serious amateur players. With intense testing and engineering, we develop our concepts and products with tone, performance, respect to tradition and quality as are our primary focus, not costs. If we get that far, then we see how we can actually manufacture it to give our customers the best possible value.

*We'll change the way you play!*

### THE GRAPH TECH IRON-CLAD GUARANTEE

Love it or return it! If you buy directly from Graph Tech and are not totally satisfied within 45 days, return the product for a complete refund (excluding shipping costs where applicable).

Graph Tech products have a one year warranty against manufacturer defects.





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THE GRAPH TECH STORY

Over three decades ago, Dave Dunwoodie, Graph Tech's President, was mid-performance at a gig in his home town of Vancouver, Canada. Hitting the tremolo bar on his first Fender® Strat (he was a Gibson® man) during a guitar solo, he was immediately introduced to the problem of string binding on traditional guitar nuts. "I went to do my first 'wang' and went totally out of tune" Dave says. "I couldn't use the guitar for stage work at all".

Spurred by the resurgence in popularity of tremolo guitars, the need for pencil lead in the nut slots, and his own frustration, Dave began experimenting with a variety of composite guitar nuts designed to eliminate string binding. He engineered the world's first self-lubricating nut, a formula that is 500% slipperier than graphite. Almost thirty years later Graph Tech Guitar Labs has become an institution, producing some of the industry's most innovative and reliable nuts, saddles, bridge pins, bridges and pickup systems.

Through patented methods and proprietary techniques, Graph Tech has designed specific tone and performance enhancements that were once impossible to achieve. The result is an outstanding reputation for quality and rapid acceptance by guitar players. Dave's commitment has never wavered: "I envisioned a people - and service-oriented company that can turn on a dime and can respond to our customers' needs." The successful introduction of totally new concepts (as opposed to "copy cat" products) into the guitar market have led to Graph Tech's booming success.

Graph Tech products are factory installed world wide on Carvin®, Epiphone®, Fender®, Furch®, Gibson®, Godin®, Guild®, Ibanez®, Larrivee®, Martin®, Raimundo®, Schecter®, Tom Anderson®, Warmoth®, Washburn®, Yamaha®, and many others. What is the reaction from the players around the world? Week after week, customers write us unsolicited letters and e-mails letting us know this is the first product that they've ever bought that actually does what it says it would do (imagine that!).

## MANUFACTURERS USING GRAPH TECH





# Tuning...Reinvented.



One Turn = One Tone On Every String.  
Predictable. Precise Tuning. Every String.



**RAT:O**<sup>®</sup>  
TUNED MACHINE HEADS

Simply the best tuning system for stringed instruments... ever.

Features & Benefits

- > One turn one tone calibration
- > 6-in-line or 3+3 headstock configurations
- > Triple plated Chrome, Gold, Nickel or Black finishes
- > Fits most headstock sizes
- > Two pin "joint method" or single screw mounting style for universal fit and sturdy installation
- > "Ratio" signature buttons

Ratios:			
String #	Electric Guitar	Acoustic Guitar	Standard Tuning
1	12:1	12:1	E
2	20:1	20:1	B
3	35:1	14:1	G
4	20:1	20:1	D
5	24:1	24:1	A
6	39:1	39:1	E

How do they work?

Now here's the simple genius behind Ratio Tuned Machine Heads: Each Ratio machine head has its own gear ratio, calibrated to its string core diameter, so every string responds the same to any tuning adjustment. One full turn is one full tone on every string. No more overshooting the G string or twisting forever on the high E – just predictable, precise tuning, retuning and open tuning on every string.

What's so cool about Ratio?

With one turn one tone calibration, every string tunes the same. Tuning up gets exponentially easier and quicker. "Ratio tuning" feels natural; you don't have to think about which string you're tuning-they all tune and feel the same. The gear ratios range from 12:1 to 39:1, which means finer tuning on the thicker core strings and coarser tuning on the thinner core strings. Ratio tuners provide consistent feel for each string.

Ratio heads are built to last, with triple-plated finishes and fine gears made from hardened steel so they stay smooth and tune precisely for years and years. Ratio machine heads fit most major acoustic and electric models in both 3 + 3 and 6-in-line headstock configurations. Players can choose from popular button styles: Classic, Contemporary, Contemporary Mini or Vintage - all with durable triple-plated finishes including chrome, gold, black or nickel.

Once you experience Ratio® Tuned Machine Heads, you won't want to go back to regular machine heads.

Finishing Options:



Chrome



Gold



Nickel



Black



PBH-4311-GO




PBH-2731-GO

Ratio Now Available On:     


### Players Are Excited About Ratio!

"I find that I don't have to go with the 'that's as close as I can get it for now' attitude that I had with tuning this particular guitar up after drop D, or an alternate. It tunes precisely with plenty of "travel" as it comes up to the desired note. Smooth, easy, and precise, are words that come to mind."




Tim Mathews

"I like the lighter weight of the tuners it allows the transfer of vibration into the rest of the guitar to happen easier. It gives me a new way to approach tuning my guitar. Thank you for doing what you do."




Mike Peterson

"You have enhanced the playability and value of my guitar! Changing to open tuning has never been easier, retune 1 string and then move the others the same number of turns (if they are changing the same amount) and you're very close to where you need to be. Unless you have fine tuners, you've never been so close to perfect tuning."




Donat Leduc

"Thank you! They make it easier to tune and keep the guitar in tune which means I can spend more time playing which is always great."





Andrew Frazier

"Ratio gives me more time playing and less time tuning. Thanks for making a great product!"



Jeremy Werner

Acoustic		Model #	Description	Finishing Option
<div>2 PIN</div>  <div>PBH-2411-NO</div>	PRN-2411-CO	Ratio Acoustic 3+3 Right Handed Contemporary	Chrome	
	PRN-2411-GO	Ratio Acoustic 3+3 Right Handed Contemporary	Gold	
	PRN-2411-NO	Ratio Acoustic 3+3 Right Handed Contemporary	Nickel	
	PRN-2411-BO	Ratio Acoustic 3+3 Right Handed Contemporary	Black	
<div>OFFSET SCREW</div>  <div>PBH-4411-BO</div>	PRN-4411-CO	Ratio Acoustic 3+3 Right Handed Contemporary	Chrome	
	PRN-4411-GO	Ratio Acoustic 3+3 Right Handed Contemporary	Gold	
	PRN-4411-NO	Ratio Acoustic 3+3 Right Handed Contemporary	Nickel	
	PRN-4411-BO	Ratio Acoustic 3+3 Right Handed Contemporary	Black	

8

6-in-line

2 PIN	 PRN-2721-G0	PRN-2721-C0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Chrome
		PRN-2721-G0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Gold
		PRN-2721-N0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Nickel
		PRN-2721-B0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Black
2 PIN	 PRN-2731-G0	PRN-2731-C0	Ratio Electric 6 Inline Right Handed Classic	Chrome
		PRN-2731-G0	Ratio Electric 6 Inline Right Handed Classic	Gold
		PRN-2731-N0	Ratio Electric 6 Inline Right Handed Classic	Nickel
		PRN-2731-B0	Ratio Electric 6 Inline Right Handed Classic	Black
OFFSET SCREW	 PRN-4721-G0	PRN-4721-C0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Chrome
		PRN-4721-G0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Gold
		PRN-4721-N0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Nickel
		PRN-4721-B0	Ratio Electric 6 Inline Right Handed Mini Contemporary	Black
OFFSET SCREW	 PRN-4731-G0	PRN-4731-C0	Ratio Electric 6 Inline Right Handed Classic	Chrome
		PRN-4731-G0	Ratio Electric 6 Inline Right Handed Classic	Gold
		PRN-4731-N0	Ratio Electric 6 Inline Right Handed Classic	Nickel
		PRN-4731-B0	Ratio Electric 6 Inline Right Handed Classic	Black

3 + 3

2 PIN	 PRN-2311-G0	PRN-2311-C0	Ratio Electric 3+3 Right Handed Contemporary	Chrome
		PRN-2311-G0	Ratio Electric 3+3 Right Handed Contemporary	Gold
		PRN-2311-N0	Ratio Electric 3+3 Right Handed Contemporary	Nickel
		PRN-2311-B0	Ratio Electric 3+3 Right Handed Contemporary	Black
2 PIN	 PRN-2341-G0	PRN-2341-C0	Ratio Electric 3+3 Right Handed Tulip 2 Pin	Chrome
		PRN-2341-G0	Ratio Electric 3+3 Right Handed Tulip 2 Pin	Gold
		PRN-2341-N0	Ratio Electric 3+3 Right Handed Tulip 2 Pin	Nickel
OFFSET SCREW	 PRN-4311-G0	PRN-4311-C0	Ratio Electric 3+3 Right Handed Contemporary Offset Screw	Chrome
		PRN-4311-G0	Ratio Electric 3+3 Right Handed Contemporary Offset Screw	Gold
		PRN-4311-N0	Ratio Electric 3+3 Right Handed Contemporary Offset Screw	Nickel
		PRN-4311-B0	Ratio Electric 3+3 Right Handed Contemporary Offset Screw	Black
OFFSET SCREW	 PRN-4341-G0	PRN-4341-C0	Ratio Electric 3+3 Right Handed Tulip Offset Screw	Chrome
		PRN-4341-G0	Ratio Electric 3+3 Right Handed Tulip Offset Screw	Gold
		PRN-4341-N0	Ratio Electric 3+3 Right Handed Tulip Offset Screw	Nickel

ALL NEW

# WARNING

Your hands are destroying  
your guitar



Before You Play  
**CHOPS** **PREPLAY**<sup>TM</sup>  
Professional Hand Care For Musicians

- **Neutralizes acidic hands**
- **Cleans and conditions hands**
- **Fast absorbing and smooth feel**

“This stuff is better than advertised. I used it at a couple of gigs and couldn't believe how well it worked. My hands felt great and I had almost no grime on my strings afterward. Highly recommended.” -Dave Iannopolo

“The skin on my hands has not felt right for a long time, nothing helped. Just a few drops were enough to “Cure” my hands. It balanced the moisture, acid and oil... My hands feel good while playing.” -Mike Gorman

“At first I was very skeptical about it. I have to say I was pleased and surprised that it actually did make a difference in feel and comfort. I'll be looking for it in local stores to grab it.” -Benoit Champagne

# One Shot Before You PLAY and Your HANDS Are Ready

Protect Your Instrument From  
Hand Acidity, Oils and Dirt

- Must have for any stringed instrument players
- Must have for any brass players
- For music store showrooms; a must for protecting valuable instruments from daily public play
- Excellent value with about 200 applications per bottle



**ORDERING INFORMATION**  
**PH-0001-00 (30ml bottle)**

*Attractive PrePlay POP display included with initial minimum order (dealers & distributors only)*



## Before You Play, PrePlay.

Chops PrePlay cleans and conditions your hands, balances your skin's pH level and protects your guitar, hardware and strings from damage caused by oily and/or acidic hands. PrePlay is hypoallergenic and absorbs in seconds without any greasy feel. Natural ingredients and oil extracts including sandalwood, lemongrass, black tea, mallow, clove, Irish moss, rosemary and chamomile. PrePlay noticeably improves feel, slide and glide leaving your hands with a fresh, clean citrus smell and a light smooth finish.

Discover the popular Chops product line, developed by Graph Tech Guitar Labs to prepare, maintain and repair musician's hands to peak condition. For three decades, Graph Tech has brought innovative and ground breaking products to the industry, each designed to solve common challenges, elevate sound quality and improve the guitar playing experience.



MAN-MADE IVORY PICKS



3 Tones. 3 Gauges. 3 Shapes.

TONES		Bright	SHAPES		Tear Drop
		Warm			Standard
		Deep			Bi Angle

• Smooth Balanced Feel • Clean, Articulate Attack • Thin & Stiff Like Tortoise Shell

“I never thought a pick could be a determinant to my tone. It's tough as nails -yet thin! And it really improves the way I hit and feel the strings.”  
-Juan Cruz Masotta

“Harmonics seem to jump off the strings a little easier if you want them to and overtones are nice. I am definitely switching gears and going to be using these as my main pick now.”  
-Lanning Kann

“In forty years of playing guitar it's one of the best picks I have ever used! It may be the perfect pick and I plan on buying more immediately and telling my friends about it as well.”  
-Kim Young

SHAPES ▾ ▼ Standard ▼ Bi Angle ▼ Tear Drop

▼ TONES



## Great Tone Starts Here

The type of pick you use affects the tone you create. That's why we created the TUSQ Pick, the **world's first and only pick with built-in tones**. By individually formulating our proprietary TUSQ material we created a whole new class of picks, with highly resonant characteristics that produce three distinctive tones: **Bright, Warm and Deep**. TUSQ picks also have a high stiffness to thickness ratio, like real vintage tortoise shell (now illegal), but with a harmonic content only TUSQ can deliver. The feel and articulation of TUSQ picks is something you have to experience. With TUSQ in your pick, **great tone is in your hands**. Choose your gauge, your shape and your tone.

## Choosing Your Pick Tone Is Easy

TUSQ pick tones are all coded by color. White is our **Bright** tone. If you want a clear, crisp tone with lots of top end; choose from any of our white-colored picks. Our vintage colored picks deliver a **Warm**, smooth tone and TUSQ charcoal colored picks go **Deep** to give you a full raw tone when you need it. TUSQ picks: The feel you like, the shape you want, and now the tone you crave.

Pick a pack of  
harmonically rich  
picks



For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com), call 604-940-5353 or email [sales@graphtech.com](mailto:sales@graphtech.com)



"I really like these picks and the articulation I get from them so I will be a user both in the studio and on the stage!" - Joe Pinnavaia, writer and performer

## ▼ Standard

### Bright Tone



Model #	Thickness	Color	Pack
PQP-0100-W6	1 mm	White	6
PQP-0088-W6	.88 mm	White	6
PQP-0068-W6	.68 mm	White	6
PQP-0100-W72	1 mm	White	72
PQP-0088-W72	.88 mm	White	72
PQP-0068-W72	.68 mm	White	72

## ▼ Bi Angle



Model #	Thickness	Color	Pack
PQP-0402-W4	2 mm	White	4
PQP-0401-W4	1 mm	White	4
PQP-0488-W4	.88 mm	White	4
PQP-0402-W48	2 mm	White	48
PQP-0401-W48	1 mm	White	48
PQP-0488-W48	.88 mm	White	48

## ▼ Tear Drop



Model #	Thickness	Color	Pack
PQP-0514-W6	1.4 mm	White	6
PQP-0501-W6	1 mm	White	6
PQP-0588-W6	.88 mm	White	6
PQP-0514-W72	1.4 mm	White	72
PQP-0501-W72	1 mm	White	72
PQP-0588-W72	.88 mm	White	72

### Warm Tone



Model #	Thickness	Color	Pack
PQP-0100-V6	1 mm	Vintage	6
PQP-0088-V6	.88 mm	Vintage	6
PQP-0068-V6	.68 mm	Vintage	6
PQP-0100-V72	1 mm	Vintage	72
PQP-0088-V72	.88 mm	Vintage	72
PQP-0068-V72	.68 mm	Vintage	72



Model #	Thickness	Color	Pack
PQP-0402-V4	2 mm	Vintage	4
PQP-0401-V4	1 mm	Vintage	4
PQP-0488-V4	.88 mm	Vintage	4
PQP-0402-V48	2 mm	Vintage	48
PQP-0401-V48	1 mm	Vintage	48
PQP-0488-V48	.88 mm	Vintage	48



Model #	Thickness	Color	Pack
PQP-0514-V6	1.4 mm	Vintage	6
PQP-0501-V6	1 mm	Vintage	6
PQP-0588-V6	.88 mm	Vintage	6
PQP-0514-V72	1.4 mm	Vintage	72
PQP-0501-V72	1 mm	Vintage	72
PQP-0588-V72	.88 mm	Vintage	72

### Deep Tone



Model #	Thickness	Color	Pack
PQP-0100-G6	1 mm	Grey	6
PQP-0088-G6	.88 mm	Grey	6
PQP-0068-G6	.68 mm	Grey	6
PQP-0100-G72	1 mm	Grey	72
PQP-0088-G72	.88 mm	Grey	72
PQP-0068-G72	.68 mm	Grey	72



Model #	Thickness	Color	Pack
PQP-0402-G4	2 mm	Grey	4
PQP-0401-G4	1 mm	Grey	4
PQP-0488-G4	.88 mm	Grey	4
PQP-0402-G48	2 mm	Grey	48
PQP-0401-G48	1 mm	Grey	48
PQP-0488-G48	.88 mm	Grey	48



Model #	Thickness	Color	Pack
PQP-0514-G6	1.4 mm	Grey	6
PQP-0501-G6	1 mm	Grey	6
PQP-0588-G6	.88 mm	Grey	6
PQP-0514-G72	1.4 mm	Grey	72
PQP-0501-G72	1 mm	Grey	72
PQP-0588-G72	.88 mm	Grey	72

▼ Mixed Packs

Standard Mixed Pack



▼ PQP-0100-ST includes:

Model #	Thickness	Color	Quantity
BQP-0068-VT	.68 mm	Vintage	1
BQP-0068-GR	.68 mm	Grey	1
BQP-0088-WT	.88 mm	White	1
BQP-0088-VT	.88 mm	Vintage	1
BQP-0100-WT	1 mm	White	1
BQP-0100-GR	1 mm	Grey	1

Tear Drop Mixed Pack



▼ PQP-0500-TD includes:

Model #	Thickness	Color	Quantity
BQP-0588-VT	.88 mm	Vintage	1
BQP-0588-WT	.88 mm	White	1
BQP-0501-GR	1 mm	Grey	1
BQP-0501-VT	1 mm	Vintage	1
BQP-0514-WT	1.4 mm	White	1
BQP-0514-GR	1.4 mm	Grey	1

Bi Angle Mixed Pack



▼ PQP-0400-BA includes:

Model #	Thickness	Color	Quantity
BQP-0488-VT	.88 mm	Vintage	1
BQP-0401-WT	1 mm	White	1
BQP-0401-VT	1 mm	Vintage	1
BQP-0402-GR	2 mm	Grey	1

Assorted Mixed Pack



▼ PQP-1000-MP includes:

Model #	Shape	Thickness	Color	Qty
BQP-0068-VT	Standard	.68 mm	Vintage	1
BQP-0088-W T	Standard	.88 mm	White	1
BQP-0100-GR	Standard	1 mm	Grey	1
BQP-0501-VT	Tear Drop	1 mm	Vintage	1
BQP-0514-WT	Tear Drop	1.4 mm	White	1
BQP-0401-VT	Bi Angle	1 mm	Vintage	1



# TUSQ® NUTS, SADDLES & BRIDGE PINS

Over 200 sizes available!

For Solid Top Acoustic Guitars & Ukes

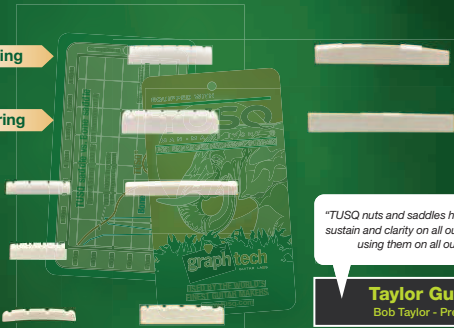
Acoustic Steel String

Acoustic Nylon String

Ukulele

Mandolin

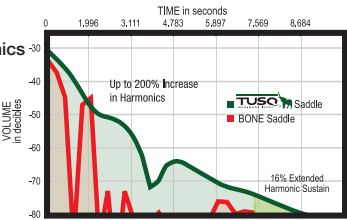
Bass



"TUSQ nuts and saddles have improved the sustain and clarity on all our guitars. We are using them on all our models."

**Taylor Guitars**  
Bob Taylor - President

- Increases mid and high end harmonics
- Increases bass response
- Consistent quality from piece to piece - no flat or dead spots
- Lightweight and highly rigid material for optimum vibration transfer



\* TUSQ also available for 5, 7, 8 and 12 stringed instruments \*\* Custom sizes & colours available (mold charges may apply).



**TUSQ is laboratory-proven to increase harmonic content and harmonic sustain over bone. TUSQ is precision engineered under high heat and pressure to deliver the right frequencies from the guitar strings --with the optimum transfer rate-- to the top of the guitar, making the guitar sound richer and more alive.**

TUSQ has quickly become an important tone performance tool for some of the world's most renowned guitar manufacturers, luthiers and playing professionals. TUSQ nuts and saddles have rich tone and sustain, without the inconsistency found in ivory, bone and other natural materials. Bone and ivory have hard and soft spots (grain) throughout each piece, hampering consistent transfer of vibrations to the guitar top. TUSQ nuts, saddles and bridge pins are designed to transfer the right frequencies more efficiently from the string to the guitar body.

#### HIGHLIGHTS

- Rich Tone: a crystal clear bell-like high end and big open low end.
- Engineered for perfect vibration transfer.
- Consistent quality from piece to piece and within each piece.
- Easy to work with - can be filed and sanded; will not chip or flake.
- Laboratory-proven to enhance harmonic content (up to 200%).
- No flat or dead spots that can be found in bone or ivory.
- Used by the world's finest guitar manufacturers.

#### HOW DOES IT WORK?

TUSQ is laboratory-proven to enhance harmonic content up to 200% over bone and harmonic sustain up to 16%. Saddles act as a filter between the strings and the guitar top, determining which frequencies transfer to the guitar top, how fast (sustain) and what frequencies remain vibrating in the string. Graph Tech engineered TUSQ to properly filter the perfect balance of high, mid and low frequencies, and their harmonics. TUSQ has consistent quality from piece to piece and within each piece without any flat or dead spots that can be found in bone or ivory. TUSQ is the perfect product for under the saddle pickups. Easy to work with, TUSQ can be filed and sanded without any chipping or flaking.

#### HOW DOES IT SOUND?

TUSQ delivers a rich tone, crystal clear bell-like high end with big open lows and a noticeable increase in harmonic content and harmonic sustain. Increased harmonics equals more richness and character in your tone. Its like the difference between a 4 piece choir singing and a 12 piece choir singing every time you play a note. It's a big, full sound.



"I just installed a set of your TUSQ bridge pins in place of the plastic originals. WOW! The guitar sounds louder and brighter. I have to say that your product lives up to its reputation. Thanks!" - W. Lankenau

Traditional TUSQ Bridge Pins come in a package of six (6), have a 5.14mm shank diameter and fit most of the following acoustic model guitars:

- Alvarez
  - Carvin
  - Cole Clark
- Cort
  - Epiphone
  - Fender
- Gibson
  - Ibanez
  - Larrivee
- Martin
  - Morris
  - Schecter
- Tacoma
  - Takamine
  - Walden
- Washburn
  - Yamaha

TUSQ Bridge Pins



Traditional TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-1100-01	White	No	0.2020"/5.14mm	6-Pcs
PP-2100-01	Black	No	0.2020"/5.14mm	6-Pcs



Traditional TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-1122-00	White	2mm Black	0.2020"/5.14mm	6-Pcs
PP-2122-00	Black	2mm White	0.2020"/5.14mm	6-Pcs



Traditional TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-1142-00	White	2mm Mother of Pearl	0.2020"/5.14mm	6-Pcs
PP-2142-00	Black	2mm Mother of Pearl	0.2020"/5.14mm	6-Pcs



Traditional TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-1182-00	White	2mm Paua shell	0.2020"/5.14mm	6-Pcs
PP-2182-00	Black	2mm Paua shell	0.2020"/5.14mm	6-Pcs



WHITE



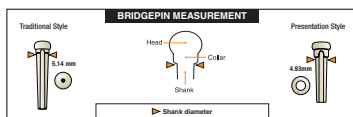
BLACK



MOTHER-OF-PEARL



PAUA SHELL



Presentation TUSQ Bridge Pins come in a package of six (6), have a 4.93mm shank diameter and fit most of the following acoustic model guitars:

- Art & Lutherie
- Garrison
- Godin
- Goodall
- Guild
- Maton
- Norman
- Olson
- Rainsong
- Santa Cruz
- Seagull
- Simon & Patrick
- Taylor



Presentation TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-1000-00	White	4mm Paua shell	0.1920"/4.93mm	6-Pcs
PP-2000-00	Black	4mm Paua shell	0.1920"/4.93mm	6-Pcs



Presentation TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-1044-00	White	4mm Mother of Pearl	0.1920"/4.93mm	6-Pcs
PP-2044-00	Black	4mm Mother of Pearl	0.1920"/4.93mm	6-Pcs



Presentation TUSQ Bridge Pins Packaged				
MODEL NUMBER	COLOR	DOT	SHANK DIAMETER	QTY
PP-4000-00	White	No	0.1920"/4.93mm	6-Pcs
PP-3000-00	Black	No	0.1920"/4.93mm	6-Pcs

## TUSQ End Pins



TUSQ End Pins Packaged				
	MODEL NUMBER	COLOR	DOT	QTY
	PP-7100-00	White	No	6-Pcs
	PP-7142-00	White	Mother of Pearl	6-Pcs
	PP-7182-00	White	Paua shell	6-Pcs
	PP-7211-00	Black	No	6-Pcs
	PP-7242-00	Black	Mother of Pearl	6-Pcs
	PP-7282-00	Black	Paua shell	6-Pcs

For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com), call 604-940-5353 or email [sales@graphtech.com](mailto:sales@graphtech.com)



"About a year ago, though, I switched to a TUSQ nut to see if I'd like it. All I can say is WOW! The tone really opened up and had so much more sustain. Not only that, but ever since I had it installed, I have not broken a single string! I will very soon be getting TUSQ nuts and saddles for my acoustics because of this great first impression. Keep up the good work!" - Tim

## Slotted Bass Nuts

▼ sorted by length

PQ-1214-00



Fender® Jazz Style 4 String Bass Nut				
Fits most Fender® Jazz 4 String Bases				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.554	0.128	0.187	1.223
Inches Approx.	1 9/16	1/8	3/16	1 7/32
Millimetres	39.47	3.25	4.75	31.06

ACTUAL SIZE



PQ-1200-00



4 String Slotted Bass Nut				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.615	0.182	0.348	1.224
Inches Approx.	1 5/8	3/16	11/32	1 7/32
Millimetres	41.02	4.62	8.84	31.09



PQ-1204-00



Fender® Precision Style 4 String Bass Nut				
Fits most Fender® Precision Bases				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.650	0.125	0.187	1.250
Inches Approx.	1 21/32	1/8	3/16	1 1/4
Millimetres	41.91	3.17	4.75	31.75



PQ-1400-00



5 String Slotted Bass Nut				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.765	0.187	0.348	1.435
Inches Approx.	1 3/4	3/16	11/32	1 7/16
Millimetres	44.83	4.75	8.84	36.45



## Slotted Guitar Nuts

▼ sorted by length

PQ-5000-00



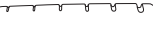
Fender® Style Slotted Guitar Nut				
Fits most American & Import Strat® & Tele® Style guitars				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.690	0.134	0.200	1.380
Inches Approx.	1 11/16	1/8	3/16	1 3/8
Millimetres	42.93	3.40	5.08	35.05



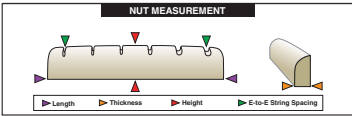
PQ-6143-00



11/16" Slotted Guitar Nut				
Fits many guitars with a 1/4 nut				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.693	0.236	0.350	1.378
Inches Approx.	1 11/16	1/4	11/32	1 3/8
Millimetres	43.00	6.00	8.88	35.00



Can't find the size you are looking for?



PQ-6114-00



1 23/32" Slotted Guitar Nut

Fits many acoustic guitars with a 1 23/32" nut length

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.705	0.195	0.332	1.374
Inches Approx.	1 23/32	3/16	11/32	1 3/8
Millimetres	43.31	4.95	8.43	34.90

ACTUAL SIZE



PQ-6116-00



1 11/16" Slotted Guitar Nut

Fits many acoustic guitars with a 1 11/16" nut length

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.707	0.192	0.331	1.435
Inches Approx.	1 11/16	3/16	11/32	1 7/8
Millimetres	43.36	4.88	8.81	36.45



PQ-M600-00



Martin® Style 1 11/16" Slotted Guitar Nut

Fits Martin® Style guitars where the nut bottom and sides are angled

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.709	0.228	0.361	1.378
Inches Approx.	1 11/16	7/32	3/8	1 3/8
Millimetres	43.41	5.79	9.17	35.00



PQ-6060-00



1/4" Epiphone® Style Slotted Guitar Nut

Fits many Epiphone® Style guitars

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.732	0.242	0.362	1.366
Inches Approx.	1 3/4	1/4	3/8	1 3/8
Millimetres	43.99	6.14	9.19	34.70



PQ-6010-00



Jumbo Gibson® Style Slotted Guitar Nut

Fits most Gibson® 6 string electric guitars.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.735	0.196	0.366	1.425
Inches Approx.	1 3/4	3/16	3/8	1 7/16
Millimetres	44.07	4.98	9.30	36.20



PQ-M644-00



1 3/4" Martin® Style Slotted Guitar Nut

Fits Martin® Style guitars with 1 3/4" length

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.745	0.224	0.361	1.418
Inches Approx.	1 3/4	7/32	3/8	1 13/32
Millimetres	44.32	5.69	9.17	36.02



PQ-5010-00



Fender® Style Flat Bottom Slotted Guitar Nut

Fits many import Strats® and Tele® requiring a flat bottom

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.764	0.130	0.255	1.362
Inches Approx.	1 3/4	1/8	1/4	1 3/8
Millimetres	44.81	3.30	6.48	34.59



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



"I get crystal clear sound that's completely true to the actual sound of the guitar. Graph Tech gives me the solutions, the only limit is what I can come up with next!" - Roberto V.

Slotted Guitar Nuts

▼ sorted by length

PQ-1575-00



12 String 1/4" Slotted Guitar Nut

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.750	0.247	0.334	1.460
Inches Approx.	1 3/4	1/4	11/32	1 15/32
Millimetres	44.45	6.27	8.48	37.08

ACTUAL SIZE



PQ-6134-00



1 3/4" Slotted Acoustic Nut

Fits many acoustic guitars with a 1 3/4 nut length

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.770	0.192	0.331	1.496
Inches Approx.	1 3/4	3/16	11/32	1 1/2
Millimetres	44.96	4.88	8.41	38.0



PQ-6136-00



1 13/16 Slotted Guitar Nut

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.830	0.187	0.341	1.555
Inches Approx.	1 27/32	3/16	11/32	1 9/16
Millimetres	46.48	4.75	8.66	39.50



PQ-1578-00



12 String 3/16" Slotted Guitar Nut

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.897	0.195	0.325	1.630
Inches Approx.	1 29/32	3/16	5/16	1 5/8
Millimetres	48.18	4.95	8.25	41.4

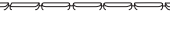


PQ-6220-00



2" Classical Slotted Guitar Nut

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	2.002	0.251	0.372	1.634
Inches Approx.	2	1/4	3/8	1 5/8
Millimetres	50.85	6.38	9.45	41.50

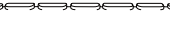


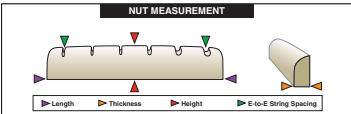
PQ-6200-00



Classical Slotted Guitar Nut

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	2.080	0.235	0.409	1.697
Inches Approx.	2 3/32	1/4	13/32	1 11/16
Millimetres	52.83	5.97	10.39	43.10





Blank Guitar Nuts

▼ sorted by length

ACTUAL SIZE

PQ-3000-00



Jumbo 3/16" Blank Guitar Nut				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.701	0.183	0.332	NA
Inches Approx.	1 11/16	3/16	11/32	NA
Millimetres	43.21	4.65	8.43	NA



PQ-1000-00



Curved Bottom Blank Guitar Nut				
Fits most American made Strat® style guitars with a curved nut slot				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.75	0.123	0.175	NA
Inches Approx.	1 3/4	1/8	3/16	NA
Millimetres	44.45	3.12	4.45	NA



PQ-2200-00



Standard Blank Guitar Nut				
Fits most Import Strat® style guitars with a flat nut slot				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.750	0.125	0.244	NA
Inches Approx.	1 3/4	1/8	1/4	NA
Millimetres	44.45	3.17	6.20	NA



PQ-4000-00



Jumbo 3/16" Blank Guitar Nut				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.905	0.192	0.375	NA
Inches Approx.	1 29/32	3/16	3/8	NA
Millimetres	48.39	4.88	9.52	NA



PQ-4025-00



1/4" Nut Slab				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	2.500	.250	0.437	NA
Inches Approx.	2 1/2	1/4	7/16	NA
Millimetres	63.50	6.35	11.10	NA



PQ-4125-00



1/8" Nut Slab				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	2.500	0.125	7.92	NA
Inches Approx.	2 1/2	1/8	5/16	NA
Millimetres	63.5	3.17	7.92	NA



PQ-4187-00



3/16" Nut Slab				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	2.500	0.187	0.437	NA
Inches Approx.	2 1/2	3/16	7/16	NA
Millimetres	63.5	4.75	11.10	NA



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



"I discovered Graph Tech TUSQ saddles about five years ago. All I needed was some emery cloth (about 600 fine) and a flat surface and some elbow grease. The TUSQ saddle doubled the volume, tone and quality of the sound. (wow!).!" - Paul P.

Acoustic Saddles

▼ sorted by length

PQ-9200-C0

**1/8" Taylor® Style Compensated Acoustic Saddle**  
Fits many Taylor®, Gibson®, Washburn® & more

	LENGTH	THICKNESS	HEIGHT
Inches	2.800	0.122	0.393
Inches Approx.	2 13/16	1/8	13/32
Millimetres	71.12	3.1	9.98

ACTUAL SIZE

PQ-9400-00

**Gibson® Style Compensated Acoustic Saddle**  
Fits many Gibson® style acoustic guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.800	0.130	0.430
Inches Approx.	2 13/16	1/8	7/16
Millimetres	71.12	3.30	10.92

PQ-9600-C0

**Microbalance 12" Radius Acoustic Saddle**  
Ideal for under saddle pickups on an acoustic guitar

	LENGTH	THICKNESS	HEIGHT
Inches	2.806	0.126	0.331
Inches Approx.	2 13/16	1/8	11/32
Millimetres	71.27	3.20	8.41

US Patent 6,255,568

PQ-9272-00

**1/8" Compensated Acoustic Saddle**  
Compensated for better intonation

	LENGTH	THICKNESS	HEIGHT
Inches	2.830	0.119	0.339
Inches Approx.	2 53/64	1/8	21/64
Millimetres	71.89	3.01	8.61

PQ-9281-00

**Godin® Style Compensated Acoustic Saddle**  
Fits many Godin® style acoustic guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.880	0.128	0.430
Inches Approx.	2 7/8	1/8	7/16
Millimetres	73.15	3.25	10.92

PQ-9280-C0

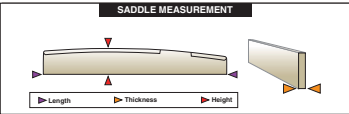
**1/8" Fully Compensated Acoustic Saddle**  
Fits many Seagull®, Art and Lutherie® & more

	LENGTH	THICKNESS	HEIGHT
Inches	2.880	0.128	0.430
Inches Approx.	2 7/8	1/8	7/16
Millimetres	73.15	3.25	10.92

PQ-9110-00

**3/32" Martin® Style Compensated Acoustic Saddle**  
Fits many Acoustic Martin® style guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.900	0.093	0.400
Inches Approx.	2 29/32	3/32	13/32
Millimetres	73.66	2.36	10.16



PQ-9100-00

3/32" Martin® Style Acoustic Saddle			
Fits many Martin® style acoustic guitars			
	LENGTH	THICKNESS	HEIGHT
Inches	2.908	0.101	0.383
Inches Approx.	2 29/32	3/32	3/8
Millimetres	73.86	2.57	9.73

ACTUAL SIZE



PQ-9276-C0

3" Compensated Acoustic Saddle			
Fits Alvarez® guitars			
	LENGTH	THICKNESS	HEIGHT
Inches	3.000	0.128	0.440
Inches Approx.	3	1/8	7/16
Millimetres	76.38	3.25	11.17



PQ-9208-00

Classical Compensated Low Acoustic Saddle			
Compensated for better intonation - nylon string guitars			
	LENGTH	THICKNESS	HEIGHT
Inches	3.150	0.101	0.323
Inches Approx.	3 5/32	3/32	5/16
Millimetres	80.01	2.57	8.20



PQ-9210-00

Classical Tall Acoustic Saddle			
Compensated for better intonation - nylon string guitars			
	LENGTH	THICKNESS	HEIGHT
Inches	3.150	0.101	0.394
Inches Approx.	3 5/32	3/32	13/32
Millimetres	80.01	2.57	10.01



PQ-9332-00

3/32" Saddle Slab			
	LENGTH	THICKNESS	HEIGHT
Inches	4.000	0.094	0.500
Inches Approx.	4	3/32	1/2
Millimetres	101.6	2.39	12.7



PQ-9025-00

1/4" Acoustic Saddle Slab			
	LENGTH	THICKNESS	HEIGHT
Inches	4.000	0.250	0.500
Inches Approx.	4	1/4	412
Millimetres	101.6	6.35	12.7



PQ-9125-00

1/8" Acoustic Saddle Slab			
	LENGTH	THICKNESS	HEIGHT
Inches	4.000	0.125	0.500
Inches Approx.	4	1/8	1/2
Millimetres	101.60	3.17	12.7



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



## SELF-LUBRICATING NUTS FOR ELECTRIC GUITARS

Over 200  
sizes available!

TUSQ Tone, Vintage Good Looks, Permanent Lubrication

Electric Nuts

Bass Nuts

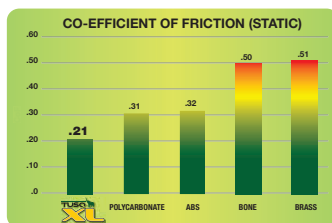


"Schechter Guitar Research is proud to be associated with Graph Tech and we feature Tusq XL nuts throughout the entire Diamond Series line. We believe in the added sonic benefits of Tusq XL nuts--they offer better clarity, added harmonics and sustain not found in other materials. The PTFE infused Tusq XL nut definitely promotes perfect tuning stability."

**Schechter Guitar**

William Dunavant - General Manager

- Impregnated with PTFE lubricant to improve tuning stability
- Balanced tone, increased harmonic content and richness
- Consistent quality from piece to piece - no flat or dead spots
- Lightweight and highly rigid material for optimum vibration transfer



\* TUSQ XL also available for 5, 7, 8 and 12 stringed instruments \*\* Custom sizes & colours available (mold charges may apply).

## ■ Great Tuning & A Classic Look.

Most tuning problems originate at the nut. Strings move across the nut from string bend & tremolo use. If they get caught up in the nut, you go out of tune. TUSQ XL gives you a dramatic increase in tuning stability for string bends, aggressive playing and tremolo use by providing permanent lubrication between the string and the nut.

TUSQ XL nuts are based on the highly resonant TUSQ man made ivory, which creates superior tone and provides tuning precision on all open notes.

### HIGHLIGHTS

- Tuning stability
- Superior tone
- Permanent lubrication
- Consistent vibration
- No dead spots
- Vintage look

### HOW DOES IT WORK?

TUSQ XL has lubrication impregnated all the way through the material (the slipperiest substance on earth... 500 times more slippery than graphite). It will never run out of lubrication. Other nut materials have a tendency to bind the strings in their slots and contributing to both the difficulty of keeping guitars in tune when using a tremolo and/or bending strings.

TUSQ XL is engineered for maximum vibration transfer and is consistent throughout, unlike bone or ivory, which have natural grains causing dead spots. These dead spots dampen the balance in tone and harmonic content. Generic plastics and synthetic materials like Micarta® or Corian®, hamper tuning performance and tone because of inconsistency due to shrinkage and/or hand cut slots.

### HOW DOES IT SOUND?

TUSQ XL has a noticeably rich harmonic content. It is laboratory-proven to enhance harmonic content up to 200% and improve sustain up to 16%. It is permanently lubricated with PTFE which forms a slick barrier between the nut and the string, eliminating binding. Strings float across the nut and slide effortlessly back into tune.



"Tusq XL nuts have no rival for string-friendly lubrication and balanced tonal response" - Guitar World

"Changing to a Tusq XL nut on my Les Paul has stopped my G string from binding up and saved me constantly retuning! (Any Les Paul player knows what I'm talking about!)" - Michael C.

Slotted Bass Nuts

▼ sorted by length

PQL-1214-00



Fender® Jazz Bass Style 4 String Nut  
Fits most Fender® style Jazz basses

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.554	0.128	0.187	1.223
Inches Approx.	1 9/16	1/8	3/16	1 7/32
Millimetres	39.47	3.25	4.75	31.08

ACTUAL SIZE



PQL-1204-00



Fender® Pre Bass Style 4 String Nut  
Fits most Fender® style Pre basses

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.650	0.125	0.187	1.250
Inches Approx.	1 21/32	18/8	3/16	1 1/4
Millimetres	41.91	3.17	4.75	31.75



Slotted Guitar Nuts

▼ sorted by length

PQL-5000-00



Strat® Style Slotted Guitar Nut  
Fits most American & Import Strat® & Tele® Style guitars

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.690	0.134	0.200	1.380
Inches Approx.	1 11/16	1/8	3/16	1/38
Millimetres	42.93	3.40	5.08	35.05



PQL-5000-L0



Left Handed Strat® Style Slotted Guitar Nut  
Fits most American & Import Strat® & Tele® Style guitars

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.690	0.134	0.200	1.380
Inches Approx.	1 11/16	1/8	3/16	1/38
Millimetres	42.93	3.40	5.08	35.05



PQL-6060-00



1/4" Epiphone® Style Slotted Guitar Nut  
Fits many Epiphone® Style guitars

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.732	0.242	0.362	1.366
Inches Approx.	1 3/4	1/4	3/8	1 3/8
Millimetres	43.99	6.14	9.19	34.70



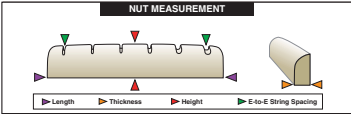
PQL-6060-L0



Left Handed 1/4" Epiphone® Style Slotted Guitar Nut  
Fits many Epiphone® Style left handed guitars

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.732	0.242	0.362	1.366
Inches Approx.	1 3/4	1/4	3/8	1 3/8
Millimetres	43.99	6.14	9.19	34.70





PQL-6010-00



Jumbo Gibson® Style Slotted Guitar Nut Fits most Gibson® 6 string electric guitars.				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.735	0.196	0.366	1.425
Inches Approx.	1 3/4	3/16	3/8	1 7/16
Millimetres	44.07	4.98	9.30	36.20

ACTUAL SIZE



PQL-5010-00



Fender® Style Flat Bottom Slotted Guitar Nut Fits many import Strats® and Teles® requiring a flat bottom				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.764	0.130	0.255	1.362
Inches Approx.	1 3/4	1/8	1/4	1 3/8
Millimetres	44.81	3.30	6.48	34.59



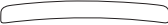
Blank Guitar Nuts

▼ sorted by length

PQL-1000-00



Blank Standard Guitar Nut Fits most American made Strat® style guitars with a curved nut slot				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.750	0.123	0.342	NA
Inches Approx.	1 3/4	1/8	3/16	NA
Millimetres	44.45	3.12	4.45	NA



PQL-2200-00



Blank Standard Guitar Nut Fits most American made Strat® style guitars with a flat bottom slot				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.750	0.125	0.244	NA
Inches Approx.	1 3/4	1/8	1/4	NA
Millimetres	44.45	3.17	6.20	NA



PQL-4000-00



Blank Extra Large Jumbo Nut Fits many acoustics such as Gibson®, Guild®, Larrivee® & more				
LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.905	0.192	0.385	NA
Inches Approx.	1 29/32	3/16	3/8	NA
Millimetres	48.39	4.88	9.77	NA



String Trees

▼ sorted by length

PQL-7004-00



Sleek String Trees With two long and one short chrome screw				
Two long string trees can be sanded on the bottom to get the perfect height on any guitar.				



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



play with attitude

## SELF-LUBRICATING NUTS FOR ELECTRIC GUITARS

Over 200  
sizes available!

### A Must For Big Bends & Tremolos

#### Electric Nuts

#### Acoustic Nuts

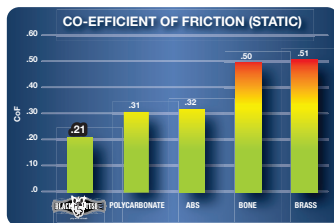
#### Bass Nuts



"We use BLACK TUSQ XL on all of our high end Prestige and Premium series Ibanez guitars and basses. Ibanez selected Black TUSQ XL because of its superior tone and tuning stability."

**Ibanez Guitars**  
Yuki Ozawa - Electric Guitar  
Department Manager

- Impregnated with PTFE lubricant to improve tuning stability
- Balanced tone, increased harmonics
- Consistent quality from piece to piece - no flat or dead spots
- Lightweight and highly rigid material for optimum vibration transfer



\* Black TUSQ also available for 5, 7, 8 and 12 stringed instruments \*\* Custom sizes & colours available (mold charges may apply).



## ■ Tuning Problem Solved!

Black TUSQ XL is the nut that will take aggressive playing, shredding, massive string bends, heavy tremolo use and keep the guitar in tune! With the great tone of TUSQ in cool black to match the guitar with an edgy look, Black TUSQ XL is permanently lubricated for improved tuning performance. Designed to boost guitar tone and performance, this precision engineered nut is made with a specially formulated material. It couples the strings' vibrations to the neck, bringing out the hidden harmonics and richness in all the open notes. Black TUSQ XL is the heavy rocking big Daddy of TUSQ XL. This is a nut with attitude!

### HIGHLIGHTS

- Tuning stability
- Superior tone
- Permanent lubrication
- Consistent vibration
- No dead spots

### HOW DOES IT WORK?

Black TUSQ XL gives you a dramatic increase in tuning stability for big string bends, aggressive playing and tremolo use. It provides better coupling of the string vibration to the guitar neck with the added bonus of precision slotting. Black TUSQ XL nuts are based on the highly resonant TUSQ man - made ivory, providing superior tone on all open notes.

Other nut materials have a tendency to bind the strings in their slots and contribute to the difficulty of keeping guitars in tune when using a tremolo, playing aggressively or doing string bends. Black TUSQ XL has lubrication impregnated all the way through the material (the slipperiest substance on earth... 500 times more slippery than graphite), so it will never run out of lubrication.

### HOW DOES IT SOUND?

#### RICH IN TONE WITH HIDDEN HARMONICS RELEASED

Black TUSQ XL is engineered for maximum vibration transfer and is consistent throughout, unlike natural materials like bone or ivory, which have natural grains causing dead spots. These dead spots dampen balance in tone and harmonic content. Generic plastics and synthetic materials like Micarta® or Corian®, hamper tuning performance and tone because of shrinkage and/or hand cut slots.

Slotted Bass Nuts

▼ sorted by length

PT-1214-00



Fender® Jazz Bass Style 4 String Nut Fits most Fender® style Jazz basses				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.554	0.128	0.187	1.223
Inches Approx.	1 9/16	1/8	3/16	1 7/32
Millimetres	39.47	3.25	4.75	31.08

ACTUAL SIZE



PT-1200-00



4 String Bass Nut				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.620	0.184	0.368	1.238
Inches Approx.	1 5/8	3/16	11/32	1 7/32
Millimetres	41.17	4.68	9.34	31.34



PT-1204-00



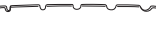
Fender® Precision Bass Style 4 String Nut Fits most Fender® style Pre basses				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.650	0.125	0.187	1.250
Inches Approx.	1 21/32	1/8	3/16	1 1/4
Millimetres	41.91	3.17	4.75	31.75



PT-1400-00



5 String Bass Nut				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.765	0.187	0.348	1.435
Inches Approx.	1 3/4	3/16	11/32	1 7/16
Millimetres	44.83	4.75	8.84	36.45



Slotted Guitar Nuts

▼ sorted by length

PT-5000-00



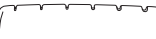
Strat® Style Slotted Guitar Nut Fits most American & Import Strat® & Tele® Styles guitars				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.690	0.134	0.200	1.380
Inches Approx.	1 11/16	1/8	3/16	1 3/8
Millimetres	42.93	3.40	5.08	35.05

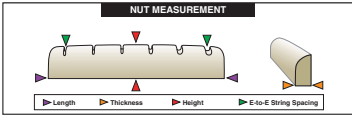


PT-6060-00



1/4" Epiphone® Style Slotted Guitar Nut Fits many Epiphone® Style guitars				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.732	0.242	0.362	1.366
Inches Approx.	1 3/4	1/4	3/8	1 3/8
Millimetres	43.99	6.14	9.19	34.70



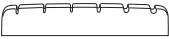


PT-6000-00



Jumbo Slotted Guitar Nut Fits most 6 string electric guitars.				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.735	0.196	0.329	1.425
Inches Approx.	1 3/4	3/16	11/32	1 7/16
Millimetres	44.07	4.98	8.36	36.20

ACTUAL SIZE



PT-6010-00



Jumbo Gibson® Style Slotted Guitar Nut Fits most Gibson 6 string electric guitars.				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.735	0.196	0.366	1.425
Inches Approx.	1 3/4	3/16	3/8	1 7/16
Millimetres	44.07	4.98	9.30	36.20



PT-5010-00



Fender® Style Flat Bottom Slotted Guitar Nut Fits many import Strats® and Teles® requiring a flat bottom				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.764	0.130	0.255	1.362
Inches Approx.	1 3/4	1/8	1/4	1 3/8
Millimetres	44.81	3.30	6.48	34.59



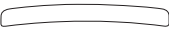
Blank Guitar Nuts

▼ sorted by length

PT-1000-00



Blank Standard Guitar Nut Fits most American made Strat® style guitars with a curved nut slot				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.701	0.188	0.342	NA
Inches Approx.	1 11/16	3/16	11/32	NA
Millimetres	43.21	4.73	8.69	NA



PT-2200-00



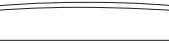
Blank Standard Guitar Nut Fits most American made Fender® style guitars with a flat bottom slot				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.750	0.123	0.175	NA
Inches Approx.	1 3/4	1/8	3/16	NA
Millimetres	44.45	3.12	4.45	NA



PT-4000-00



Blank Extra Large Jumbo Nut Fits many acoustics such as Gibson®, Guild®, Larrivée® & more				
	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.905	0.192	0.375	NA
Inches Approx.	1 29/32	3/16	3/8	NA
Millimetres	48.39	4.88	9.52	NA






"I'll be honest that I installed the black acoustic saddle originally because I wanted the black color. I didn't realize it would make such a huge difference to the tone of the guitar. It's amazing how much oomph it's added. I've since replaced all my saddles with your product. Thanks." - Johnny C.

Compensated Acoustic Saddles ▼ sorted by length


PT-9200-C0




**1/8" Taylor® Style Compensated Acoustic Saddle**  
Fits many Taylor®, Gibson®, Washburn® & more

	LENGTH	THICKNESS	HEIGHT
Inches	2.800	0.122	0.393
Inches Approx.	2 13/16	1/8	13/32
Millimetres	71.12	3.1	9.98

ACTUAL SIZE




PT-9280-C0




**1/8" Fully Compensated Acoustic Saddle**  
Fits many Seagull®, Art and Luthier® & more

	LENGTH	THICKNESS	HEIGHT
Inches	2.880	0.128	0.430
Inches Approx.	2 7/8	1/8	7/16
Millimetres	73.15	3.25	10.92

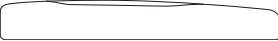


PT-9110-00




**3/32" Martin® Style Compensated Acoustic Saddle**  
Fits many acoustic Martin® style guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.900	0.093	0.400
Inches Approx.	2 29/32	3/32	13/32
Millimetres	73.66	2.36	10.16




Acoustic Saddles ▼ sorted by length

PT-9100-00




**3/32" Martin® Style Acoustic Saddle**  
Fits many Martin® style acoustic guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.908	0.101	0.383
Inches Approx.	2 29/32	3/32	3/8
Millimetres	73.86	2.57	9.73




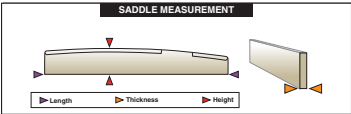
PT-9000-00



**1/8" Blank Acoustic Saddle**

	LENGTH	THICKNESS	HEIGHT
Inches	3.020	0.124	0.450
Inches Approx.	3 1/32	1/8	7/16
Millimetres	76.71	3.15	11.43





PT-9025-00



1/4" Acoustic Saddle Slab			
	LENGTH	THICKNESS	HEIGHT
Inches	4.000	0.250	0.500
Inches Approx.	4	1/4	1/2
Millimetres	101.6	6.35	12.7

ACTUAL SIZE

PT-9125-00



1/8" Acoustic Saddle Slab			
	LENGTH	THICKNESS	HEIGHT
Inches	4.000	0.125	0.500
Inches Approx.	4	1/8	1/2
Millimetres	101.6	3.17	12.7

ACTUAL SIZE

PT-9332-00



3/32" Acoustic Saddle Slab			
	LENGTH	THICKNESS	HEIGHT
Inches	4.000	0.094	0.500
Inches Approx.	4	3/32	1/2
Millimetres	101.6	2.39	12.7

ACTUAL SIZE

String Trees Etc.

▼ sorted by length

PT-7004-00



**Sleek String Trees**  
With two long and one short chrome screw  
  
Two long string trees can be sanded on the bottom to get the perfect height on any guitar.



PT-5001-00



**Strat® Style Retainer Pack**  
Slotted PT-5000-00 nut and two sleek string trees  
  
Fits many Strat® style guitars with a curved or flat bottom nut slot.



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)

Why use plastic when you can have tone...

# NUBONE®

## PRECISION ENGINEERED NUTS AND SADDLES

Over 200  
sizes available!

Ideal for mid-priced Acoustic & Electric Guitars

Acoustic Steel String

Acoustic Nylon String

Ukulele

Mandolin

Bass

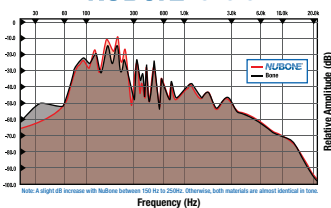
"If you really care about the sound of your instruments, then you need to be very discerning about the materials you use. NuBone saddles and nuts produce a beautiful, clarity and tone and we are passionate about tone."

**US Music Corp**

Washburn, Parker, Jay Turser  
David Lee - Designer

- Priced very competitively against synthetic alternatives
- Balanced tone with clear highs and open low-end
- Light weight and highly rigid material for optimum vibration transfer
- Increased overall volume, tone and harmonics
- Consistent quality from piece to piece - no flat or dead spots

### NUBONE vs Bone



\* NuBone also available for 5, 7, 8 and 12 stringed instruments \*\* Custom sizes & colours available (mold charges may apply).

**NuBone is a derivative of Graph Tech's proprietary TUSQ material and offers similar tonal characteristics at ½ the price. A great way to increase volume & rich harmonics in any mid-priced guitars.**

NuBone is a derivative of Graph Tech's proprietary TUSQ material and offers similar tonal characteristics.

NuBone nut and saddle material is backed by 20 years of research and development, audibly enhancing tone and harmonics.

NuBone is an environmentally friendly, man made material, created to close tolerances under high heat and pressure which contributes to its hardness, workability, exotic appearance, and most importantly, guitar performance.

At half the cost of TUSQ, NuBone is priced competitively against lesser performing synthetic alternatives, including not only performance

enhancements, but the trusted name of Graph Tech behind it.

---

#### HOW DOES IT WORK?

By transferring the optimum frequencies to the guitar, NuBone increases volume, tone and harmonics. Plastic nuts and saddles vary greatly, often turning out too soft, too brittle or hollow. These inconsistencies kill tone, dampen sound, interrupt the string vibrations and do nothing to increase the harmonic content of the guitar.

Some synthetic materials actually hinder the frequencies of the guitar, and do not allow it to perform to its full potential. NuBone changes all of that. Get on board with an alternative to plastic that adds value to your guitar!

#### HOW DOES IT SOUND?

With many of the same tone enhancing qualities of TUSQ, NuBone has a great harmonic content. With a balanced sound that includes clear highs and nice lows, the amplified resonance gives the guitar more clarity and fullness.



"I'm a student and don't have a lot of extra funds so I was only going to replace my chipped saddle with the cheapest one at the store. The owner said he'd actually take back the saddle if I wasn't satisfied with the results. Completely satisfied... awesome work guys." - Garth M.

## Slotted Bass Nuts

▼ sorted by length

### LC-1214-10 (Pack of 10)

Fender® Jazz Style 4 String Bass Nut					10 pieces
Fits most Fender® Jazz 4 String Bases					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.554	0.128	0.187	1.223	
Inches Approx.	1 9/16	1/8	3/16	1 7/32	
Millimetres	39.47	3.25	4.75	31.06	

ACTUAL SIZE



### LC-1204-10 (Pack of 10)

Fender® Precision Style 4 String Bass Nut					10 pieces
Fits most Fender® Precision Bases					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.650	0.125	0.187	1.250	
Inches Approx.	1 21/32	1/8	3/16	1 1/4	
Millimetres	41.91	3.17	4.75	31.75	



## Slotted Guitar Nuts

▼ sorted by length

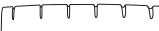
### LC-5000-10 (Pack of 10)

Fender® Style Slotted Guitar Nut					10 pieces
Fits most American & Import Strat® & Tele® Style guitars					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.690	0.134	0.200	1.380	
Inches Approx.	1 11/16	1/8	3/16	1 3/8	
Millimetres	42.93	3.40	5.08	35.05	



### LC-6116-10 (Pack of 10)

1 11/16" Slotted Guitar Nut					10 pieces
Fits many acoustic guitars with a 1 11/16" nut length					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.705	0.195	0.332	1.374	
Inches Approx.	1 11/16	3/16	11/32	1 3/8	
Millimetres	43.31	4.95	8.43	34.90	



### LC-M600-10 (Pack of 10)

Martin® Style 1 11/16" Slotted Guitar Nut					10 pieces
Fits Martin® Style guitars where the nut bottom and sides are angled					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.709	0.228	0.361	1.378	
Inches Approx.	1 11/16	7/32	3/8	1 3/8	
Millimetres	43.41	5.79	9.17	35.00	



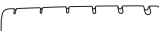
### LC-6134-10 (Pack of 10)

1 3/4" Slotted Acoustic Nut					10 pieces
Fits many acoustic guitars with a 1 3/4" nut length					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.770	0.192	0.331	1.496	
Inches Approx.	1 3/4	3/16	11/32	1 1/2	
Millimetres	44.96	4.88	8.41	38.00	

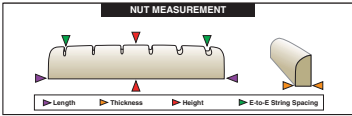


### LC-6143-10 (Pack of 10)

1 3/4" Slotted Nut					10 pieces
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.770	0.192	0.331	1.496	
Inches Approx.	1 3/4	1/4	5/16	1 1/2	
Millimetres	44.96	4.88	8.41	38.00	



Can't find the size you are looking for?



**LC-6060-10 (Pack of 10)**



1/4" Epiphone® Style Slotted Guitar Nut					10 pieces
Fits many Epiphone® Style guitars					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	1.732	0.242	0.362	1.366	
Inches Approx.	1 3/4	1/4	3/8	1 3/8	
Millimetres	43.99	6.14	9.19	34.70	

ACTUAL SIZE



**LC-6010-10 (Pack of 10)**



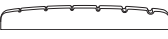
Jumbo Gibson® Style Slotted Guitar Nut					10 pieces
Fits most Gibson 6 string electric guitars.					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	1.735	0.196	0.366	1.425	
Inches Approx.	1 3/4	3/16	3/8	1 7/16	
Millimetres	44.07	4.98	9.30	36.20	



**LC-5010-10 (Pack of 10)**



Fender® Style Flat Bottom Slotted Guitar Nut					10 pieces
Fits many import Strats® and Tele® requiring a flat bottom					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	1.764	0.130	0.255	1.362	
Inches Approx.	1 3/4	1/8	1/4	1 3/8	
Millimetres	44.81	3.30	6.48	34.59	



**LC-6114-10 (Pack of 10)**



1 23/32" Slotted Guitar Nut					10 pieces
Fits many acoustic guitars with a 1 23/32" nut length					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	2.080	0.235	0.409	1.697	
Inches Approx.	1 23/32	1/4	13/32	1 11/16	
Millimetres	52.83	5.97	10.39	43.10	



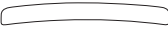
**Blank Guitar Nuts**

▼ sorted by length

**LC-1000-10 (Pack of 10)**



Curved Bottom Blank Guitar Nut					10 pieces
Fits most American made Fender® style guitars with a curved nut slot					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	1.750	0.123	0.175	NA	
Inches Approx.	1 3/4	1/8	3/16	NA	
Millimetres	44.45	3.12	4.45	NA	



**LC-2200-10 (Pack of 10)**



Standard Blank Guitar Nut					10 pieces
Fits most import Fender® style guitars with a flat nut slot					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	1.750	0.125	0.244	NA	
Inches Approx.	1 3/4	1/8	1/4	NA	
Millimetres	44.45	3.17	6.20	NA	



**LC-4000-10 (Pack of 10)**




Jumbo Blank Guitar Nut					10 pieces
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	1.905	0.192	0.375	NA	
Inches Approx.	1 29/32	3/16	3/8	NA	
Millimetres	48.39	4.88	9.52	NA	



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)

Acoustic Saddles

▼ sorted by length





LC-9200-10  
(Pack of 10)

**1/8" Taylor® Style Acoustic Saddle** 10 pieces  
Fits many Taylor®, Tacoma®, Gibson®, Washburn® & more

	LENGTH	THICKNESS	HEIGHT
Inches	2.800	0.122	0.393
Inches Approx.	2 13/16	1/8	13/32
Millimetres	71.12	3.1	9.98

ACTUAL SIZE







LC-9400-10  
(Pack of 10)

**Gibson® Style Acoustic Saddle** 10 pieces  
Fits many Gibson® style acoustic guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.800	0.130	0.430
Inches Approx.	2 13/16	1/8	7/16
Millimetres	71.12	3.30	10.92







LC-9280-10  
(Pack of 10)

**1/8" Fully Compensated Acoustic Saddle** 10 pieces  
Fits many Seagull®, Art and Lutherie® & more

	LENGTH	THICKNESS	HEIGHT
Inches	2.880	0.128	0.430
Inches Approx.	2 7/8	1/8	7/16
Millimetres	73.15	3.25	10.92







LC-9110-10  
(Pack of 10)

**3/32" Martin® Style Compensated Acoustic Saddle** 10 pieces  
Fits many Acoustic Martin® style guitars

	LENGTH	THICKNESS	HEIGHT
Inches	2.900	0.093	0.400
Inches Approx.	2 29/32	3/32	13/32
Millimetres	73.66	2.36	10.16







LC-9208-10  
(Pack of 10)

**Classical Compensated Low Acoustic Saddle** 10 pieces  
Compensated for better intonation - nylon string guitars

	LENGTH	THICKNESS	HEIGHT
Inches	3.150	0.101	0.323
Inches Approx.	3 5/32	3/32	5/16
Millimetres	80.01	2.57	8.20




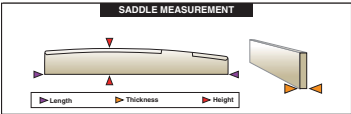


LC-9210-10  
(Pack of 10)

**Classical Tall Acoustic Saddle** 10 pieces  
Compensated for better intonation - nylon string guitars

	LENGTH	THICKNESS	HEIGHT
Inches	3.150	0.101	0.394
Inches Approx.	3 5/32	3/32	13/32
Millimetres	80.01	2.57	10.01





Microbalance Acoustic Saddles ▼ sorted by length

LC-9600-10  
(Pack of 10)



US Patent 6,255,568

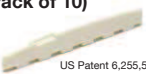
Microbalance 12" Radius Acoustic Saddle 10 pieces  
Ideal for under saddle pickups on an acoustic guitar

	LENGTH	THICKNESS	HEIGHT
Inches	2.806	0.126	0.331
Inches Approx.	2 13/16	1/8	11/32
Millimetres	71.27	3.20	8.41

ACTUAL SIZE



LC-9650-10  
(Pack of 10)



US Patent 6,255,568

Microbalance 16" Radius Acoustic Saddle 10 pieces  
Ideal for under saddle pickups on an acoustic guitar

	LENGTH	THICKNESS	HEIGHT
Inches	2.806	0.126	0.331
Inches Approx.	2 13/16	1/8	11/32
Millimetres	71.27	3.20	8.41



# Master Luthier Kit

Contains 50 of our most popular nuts and saddles

With our NuBone Master Luthier Kit, you can easily do quick repairs on 85% of the guitars on the market. It comes in this easy to use box with actual size drawings of each item to make finding a nut or saddle quick and simple.

▼ MC-1000-00 includes:

ITEM NUMBER	QTY	ITEM NUMBER	QTY
BC-5000-00	8	BC-M600-00	2
BC-6010-00	5	BC-M644-00	2
BC-6060-00	5	BC-6200-00	2
BC-6116-00	5	BC-9280-C0	8
BC-6134-00	5	BC-9110-00	4
BC-4000-00	2	BC-9210-00	2



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## PRECISION ENGINEERED NUTS AND SADDLES

Over 200  
sizes available!

★ Ideal for ukuleles and guitars with laminate tops, backs or sides ★

Acoustic Steel String

Acoustic Nylon String

Ukulele

Mandolin

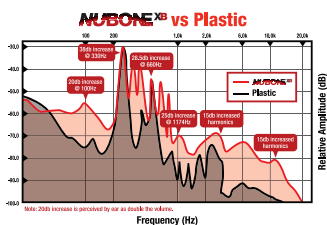
Bass

"Nubone XB nuts and saddles give our ukes increased volume and sustain while adding clarity and sweetness to each note. We are very stoked to be partnering with Graph Tech and featuring their products on the majority of our instruments".

**Kala Brand Music Co.**

Michael Upton - President

- Extended low-end harmonics and over-all volume
- Increased harmonic content and richness
- Light weight and highly rigid, durable material for optimum vibration transfer
- Consistent quality from piece to piece - no flat or dead spots
- UV resistant - won't lose its color over time



\* NuBone XB also available for 5, 7, 8 and 12 stringed instruments \*\* Custom sizes & colours available (mold charges may apply).

**NuBone XB is Graph Tech's newest innovation to the NuBone line, and specially formulated to increase the volume and enhance low end harmonics. For small bodied guitars, laminated wood guitars & ukuleles----Any instrument that needs more bass response.**

#### HOW DOES IT WORK?

NuBone XB (Extended Bass Response) is the latest innovation in our NuBone line. Manufactured under high heat and pressure, NuBone XB is specially formulated to produce more bass harmonics.

By transferring the optimum frequencies to the guitar, NuBone XB increases low end volume, tone and harmonics. Plastic nuts and saddles vary greatly, often turning out too soft, too brittle or hollow. These inconsistencies kill tone, dampen sound, interrupt the string vibrations and do nothing to increase the harmonic content of the guitar.

Some synthetic materials actually hinder the frequencies of the guitar, and do not allow it to perform to it's full potential. NuBone XB is strong, durable, and consistent throughout to ensure superior vibration transfer.

#### HOW DOES IT SOUND?

With many of the same tone enhancing qualities of TUSQ, NuBone XB has a great low end harmonic content. Now ukuleles and guitars at any price point can have the low end response of a high end instrument.

-----

### Ukulele Upgrade Kit

**Specially formulated for ukuleles to increase volume and enhance low end harmonics**

▼ **MB-5000-XB** includes:

(55 pieces total)

NUTS						SADDLES					
Product Code	Unit	Length	Thickness	Height	E to E	Product Code	Unit	Length	Thickness	Height	
1253 (x3)	mm	34.96	5.06	6.96	26.36	9357 (x5)	mm	53.07	m2.83	m6.98	
	in	1.376	0.199	0.274	1.038		in	2.089	0.112	0.275	
1257 (x3)	mm	35.66	3.68	7.67	28.86	9252 (x6)	mm	62.00	3.25	7.28	
	in	1.404	0.145	0.302	1.136		in	2.441	0.128	0.287	
1250 (x3)	mm	35.61	3.56	5.64	28.88	9358 (x6)	mm	53.08	2.90	8.00	
	in	1.402	0.140	0.222	1.137		in	2.090	0.114	0.315	
9261 (x5)	mm	63.33	2.45	7.53	-	9250 (x6)	mm	62.26	3.33	7.09	
	in	2.493	0.096	0.296	-		in	2.451	0.131	0.279	
1237 (x3)	mm	37.46	4.42	7.34	30.24	9267 (x3)	mm	76.01	2.43	7.56	
	in	1.475	0.174	0.289	1.191		in	2.993	0.096	0.298	
1258 (x3)	mm	38.81	4.41	7.28	31.67	9263 (x3)	mm	53.56	2.62	9.10	
	in	1.528	0.174	0.287	1.247		in	2.109	0.103	0.358	

Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



**No matter how hard you play, String Savers dramatically reduce string breakage; We guarantee it!**

- Permanently lubricated to dramatically reduce string breakage
- Increased harmonic content and sustain
- Improves tuning stability
- Full bodied tone

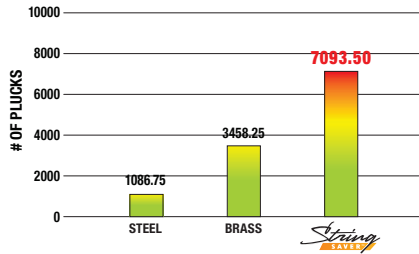


*"I like String Saver saddles because they save my strings from breaking...I've been using them now for at least 10 years, if not longer, and I've noticed a significant decrease in string breakage... I hardly ever break strings anymore. I'm so much a fan of the Graph Tech product that I'm actually going to be including them on my Signature Series Stratocaster® that's coming out very soon. That's a good testament to the quality of the product."*

**- Kenny Wayne Shepherd, Reprise Records**

There's never a good time to break a string, but it's a fact of life if you play a guitar, it typically occurs at the worst time. String Savers are guaranteed to reduce string breakage while providing full bodied tone and up to 25% increase in sustain.

### String Breakage Test



#### HIGHLIGHTS

- Reduces string breakage
- Improves midrange depth
- Corrosion resistant
- Improved tuning stability
- Self-lubricating

#### HOW DOES IT WORK?

String breakage is caused by metal fatigue. String Savers are impregnated with PTFE the slipperiest substance on earth. This alleviates the binding grip of the saddle on the string thus spreading the stress at the common breaking point. The result is a dramatic reduction in string breakage and extended string sustain.

#### WHAT DO THEY SOUND LIKE?

**String Saver Originals** are made from our patented String Saver material. String Savers give you a very balanced tone compared to regular metal saddles with nice crisp highs, warm mids and a deep bass. They don't have the 2 KHz spike that metal saddles have, giving the tone more balance and dimension to let the rest of the highs and harmonics through. You will begin to hear all the added tone and harmonics that String Saver Saddles give you. Available for Strat®, Tele®, PRS® and Floyd Rose®.

**String Saver Classics** are made with an extremely high quality steel saddle with our patented String Saver material inserted in the string ramp. String Saver Classics preserve the classic look of metal saddles while freeing you from the problem of breaking strings. Imagine how fearless you could play if you don't have to worry about breaking strings! Available for Strat®, Tele®, PRS® and Floyd Rose®.

String Saver is factory installed on Carvin®, Fender®, Tom Anderson® and many more



"I have on Graph Tech saddles on all of my stage guitars and consider them "mandatory equipment" that I can depend on show after show. The confidence I gain is immeasurable as I can push my playing even further from subtle vibratos and hammer-pulls to deeper bends and whammy dives knowing that my strings will not only "not break", but also return in tune time and again. Thanks for a truly great product. Graph Tech products rule!!!"  
- Joe G.

## Electric Saddles Originals

### PS-8000-00



Import Strat® & Tele® Style Saddle					6 pieces
Fits most Import Strat® style					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.815	0.410	0.230	2.760	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.70	10.41	5.84	52.73	

ACTUAL SIZE



### PS-8000-0E



Electrically Conductive Strat® & Tele® Style Saddle					6 pieces
Fits most Import Strat® style					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.815	0.410	0.230	2.760	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.70	10.41	5.84	52.73	



### PS-8000-F0



Vintage Strat® & Tele® Style Saddle					6 pieces
Fits most vintage and vintage re-issue Strat® and Tele® styles					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.820	0.440	0.230	2.179	
Inches Approx.	13/16	7/16	7/21	2 3/16	
Millimetres	20.83	11.18	5.84	55.35	



### PS-8001-00



Offset Strat® & Tele® Style Saddle					6 pieces
Fits Strat® and Tele® styles with an offset intonation screw					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.815	0.410	0.230	2.076	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.70	10.41	5.84	52.73	



### PS-8220-00



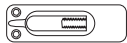
PRS® (Paul Reed Smith) Style Saddle					6 pieces
Fits many PRS® style guitars. Slightly lower than our PS-8000-00					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.815	0.410	0.230	2.076	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.70	10.41	5.84	52.73	



### PS-8200-00



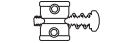
Wilkinson® Style Saddle					6 pieces
Set contains 3 different height saddles. Measure for highest saddle					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	1.250	0.390	0.250	VARIABLE	
Inches Approx.	1 1/4	3/8	1/4	VARIABLE	
Millimetres	31.75	9.91	6.35	VARIABLE	

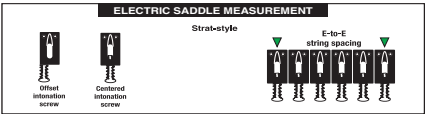


### PS-8108-00



Adjustable Barrel Saddle					6 pieces
Fits Jazzmaster®, Mustang®, & Jaguar® styles					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.407	0.312	0.312	2.050	
Inches Approx.	13/32	5/16	5/16	2 1/16	
Millimetres	10.34	7.92	7.82	52.07	



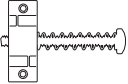


ACTUAL SIZE

PS-8163-00



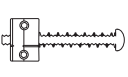
I.O.S. Tele® Style Barrel Saddle					3 pieces
Increased Oscillation & Sustain. Features accurate intonation points					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	0.411	0.300	0.271	2.187	
Inches Approx.	55/64	5/16	17/64	2 3/16	
Millimetres	21.66	7.62	6.88	55.55	



PS-8166-00



I.O.S. Tele® Style Barrel Saddle					6 pieces
Increased Oscillation & Sustain. Features accurate intonation points					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	0.443	0.300	0.300	2.209	
Inches Approx.	7/16	5/16	5/16	2 3/16	
Millimetres	11.23	7.62	7.62	56.11	



**Regular Vintage Tele® Barrel Saddle**

LARGE String/Saddle Contact Point

Narrow Oscillation Range

**New I.O.S. Tele® Barrel Saddle**

SMALL String/Saddle Contact Point

Increased Oscillation Range

I.O.S. Barrel Saddles have been designed for Vintage Tele®-style guitars. I.O.S. Saddles open up string vibration by changing the string contact point on the saddle. Strings are allowed to oscillate more freely, allowing for a fatter, more open sound, increased sustain and the elimination of the “sitar” effect. 3-Piece saddles (PS-8163-00 and PQ8163-00) feature built-in compensation. Available in both TUSQ® and String Saver™, I.O.S. Barrel Saddles are an important upgrade for any guitarist seeking improved performance from a Tele-style guitar.

Bass Saddles

PS-8304-00



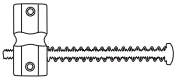
4 String Bass Saddle					4 pieces
Precision® style bass saddles. Also fits Jazz® bass.					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	0.747	0.335	0.335	2.076	
Inches Approx.	3/4	11/32	11/32	2 1/16	
Millimetres	18.97	8.51	8.51	52.73	



PS-8305-00



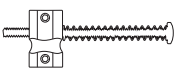
5 String Bass Saddle					5 pieces
Precision® style bass saddles. Also fits Jazz® bass.					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	0.747	0.335	0.335	2.234	
Inches Approx.	3/4	11/32	11/32	2 7/32	
Millimetres	18.97	8.51	8.51	63.50	



PS-8315-00



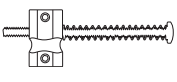
5 String Bass Precision®/Jazz® Style Saddle					5 pieces
Precision® style bass saddles. Also fits Jazz® bass.					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	0.603	0.343	0.337	2.500	
Inches Approx.	19/32	11/32	11/32	2 1/2	
Millimetres	15.33	8.71	8.55	69.5	



PS-8316-00



6 String Bass Precision®/Jazz® Style Saddle					6 pieces
Narrow Precision® style bass saddles. Also fits Jazz® bass.					
LENGTH	THICKNESS	HEIGHT	E TO E		
Inches	0.604	0.343	0.337	3.000	
Inches Approx.	19/32	11/32	11/32	3	
Millimetres	15.34	8.71	8.56	76.2	



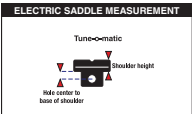
Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



"I'm a working musician, and I rock String Saver saddles on all my custom guitars. Talk about materials integrity, I can't remember the last time I broke a string, but more importantly, I get a smooth tone and near endless sustain without the harsh metal overtone. With a little love, even a starter guitar can sound great. Graph Tech saddles are an excellent first step towards brilliant tone." - Jason H.

Electric Saddles Originals

<p>PS-8400-00</p> 	<p><b>ABR-1 Tune-o-matic Saddles</b> 6 pieces 4/40 thread. Fits most Gibson® electric guitars with ABR-01 tune-o-matic bridges</p> <p>Pre-1972 guitars and vintage re-issues. The bridge has a small retaining wire running along the top of the intonation screw.</p>	<p>ACTUAL SIZE</p> 
<p>PS-8500-00</p> 	<p><b>Gibson® Nashville Style Tune-o-matic Saddles</b> 6 pieces M3 x .50 thread. Gibson® Nashville tune-o-matic style saddles.</p> <p>Fits most Gibson® tune-o-matics made between 1972 and 2000.</p>	
<p>PS-8501-00</p> 	<p><b>Post Gibson® Tune-o-matic Saddles</b> 6 pieces M3 x .50 thread. Gibson® Nashville tune-o-matic style saddles.</p> <p>Fits most Gibson® tune-o-matics made after the year 2000. Also fits TonePros® TP6 bridge.</p>	
<p>PS-8615-00</p> 	<p><b>Tune-o-matic Saddles</b> 6 pieces Fits many Epiphone® style tune-o-matics with SUNG IL, B2, BH-1993 or Jin-Ah stamped on the underside of the bridge.</p>	
<p>PS-8616-00</p> 	<p><b>Tune-o-matic Saddles</b> 6 pieces Fits many tune-o-matics with SUNG IL, BM002, or AVR I stamped on the underside of the bridge.</p>	
<p>PS-8633-00</p> 	<p><b>Tune-o-matic Saddles</b> 6 pieces Fits many Epiphone® style tune-o-matics with SUNG IL, B-2 stamped on the underside of the bridge.</p>	



See page 54-55 for  
String Saver-loaded **ResoMax** bridges



#### How do I choose the correct saddles?

When it comes to finding out what saddles will fit your tune-o-matic bridge, it can be a difficult process. The best thing you can do is check for any markings on the underside of your current bridge. With those markings check our fit chart below to see if we have a match. If you do not see your bridge on our chart you will need to see if we can find a fit by calling us at: [sales@graphtech.com](mailto:sales@graphtech.com) or 1-804-940-5353.

BRIDGE STAMP	STRING SAVER PART	BRIDGE STAMP	STRING SAVER PART
B-2 or B H	PS-8616-00	Jin Ah®	PS-8440-00
Gibson® ABR-01	PS-8400-00	Komax®	PS-8615-00
Gibson® Nashville TOM pre 2000	PS-8501-00	Pigtail® Wraparound	PS-8617-00
Gibson® Nashville TOM post 2000	PS-8500-00	PW	PS-8501-00
GOTOH® Japan	PS-8560-00	S.I.C.	PS-8615-00
Hipshot® Baby Grand	PS-8616-00	TonePros® AVR-II	PS-8615-00
Schaller® 455 / 456	PS-8500-00	TonePros® AVT-II	PS-8501-00
Schaller® made in Germany	PS-8500-00	TonePros® GOTOH	PS-8600-00
SUNG IL®	PS-8616-00	TonePros® TP6	PS-8501-00
SUNG IL® BM002	PS-8615-00	TonePros® TPFP	PS-8502-00
SUNG IL® BM003	PS-8618-00	TonePros® T3BT	PS-8560-00
BR-EG	PS-8633-00	TonePros®	PS-8560-00
Epiphone®	PS-8440-00	ResoMax Tune-o-matic Bridges	PS-8501-00

#### PS-8593-00



**Tune-o-matic Saddles**  
6 pieces  
Fits many PRS® style tune-o-matics.  
Also fits ResoMax NW bridges.

ACTUAL SIZE



#### PS-8440-00



**Tune-o-matic Saddles**  
6 pieces  
Fits many Badass® and newer Epiphone® style tune-o-matics.



#### PS-8617-00




**Tune-o-matic Saddles**  
6 pieces  
Fits many TonePros® AVT-II style tune-o-matic bridges with AVT-II stamped on the underside of the bridge.  
Also fits Pigtail® wrap around bridges.



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)

Electric Saddles Classics





PG-8000-00

Import Strat® & Tele® Style Stainless Steel Saddle 6 pieces  
Fits most import Strat® style.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.826	0.410	0.212	2.760
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.94	10.41	5.38	52.73

ACTUAL SIZE

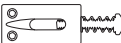





PG-8000-0B

Import Strat® & Tele® Style Black Saddle 6 pieces  
Fits most import Strat® style.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.826	0.410	0.212	2.760
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.94	10.41	5.38	52.73

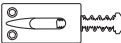





PG-8000-0C

Import Strat® & Tele® Style Chrome Saddle 6 pieces  
Fits most import Strat® style.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.826	0.410	0.212	2.760
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.94	10.41	5.38	52.73







PG-8000-0G

Import Strat® & Tele® Style Gold Saddle 6 pieces  
Fits most import Strat® style.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.826	0.410	0.212	2.760
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.94	10.41	5.38	52.73

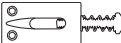





PG-8000-F0

Vintage Strat® & Tele® Style Stainless Steel Saddle 6 pieces  
Fits most American Strat® & Squire® styles, 1950-1980.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.820	0.440	0.230	2.179
Inches Approx.	13/16	7/16	7/32	2 3/16
Millimetres	20.83	11.18	5.38	55.35

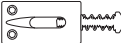




PG-8000-FC

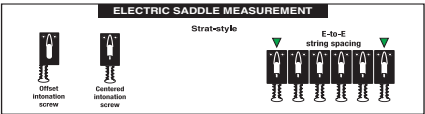
Vintage Strat® & Tele® Style Chrome Saddle 6 pieces  
Fits most American Strat® & Squire® styles, 1950-1980.

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.820	0.440	0.230	2.179
Inches Approx.	13/16	7/16	7/32	2 3/16
Millimetres	20.83	11.18	5.38	55.35



50

Can't find the size you are looking for?

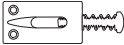


PG-8000-FG



Vintage Strat® & Tele® Style Gold Saddle					6 pieces
Fits most American Strat® & Squire® styles, 1950-1980					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.826	0.410	0.230	2.760	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.94	10.41	5.38	52.73	

ACTUAL SIZE



PG-8001-00



Strat® & Tele® Style Offset Stainless Steel Saddle					6 pieces
Fits most American Strat® Plus, Ultra & Standard® styles, Offset screw					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.826	0.410	0.212	2.760	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.94	10.41	5.38	52.73	



PG-8001-0C



Strat® & Tele® Style Offset Chrome Saddle					6 pieces
Fits most American Strat® Plus, Ultra & Standard® styles, Offset screw					
	LENGTH	THICKNESS	HEIGHT	E TO E	
Inches	0.815	0.410	0.230	2.076	
Inches Approx.	13/16	13/32	7/32	2 1/16	
Millimetres	20.70	10.41	5.84	52.73	



Black



Chrome



Gold



Floyd Rose® Saddles		
Fits most Floyd Rose® style guitars		
ITEM NUMBER	COLOR	NUMBER OF SADDLES
PG-0080-B6	BLACK	6
PG-0080-B7	BLACK	7
PG-0080-C6	CHROME	6
PG-0080-C7	CHROME	7
PG-0080-G6	GOLD	6
PG-0080-G7	GOLD	7



Gold



LB63 Locking Bridge	
The LB63 Bridge with String Saver saddles is a drop-in replacement for Floyd Rose® Original and Licensed bridges. Saddles are equipped with a String Saver insert that will dramatically reduce string breakage.	
The LB63 Bridge is an unbeatable combination of materials that will improve your guitar's tone and performance.	
ITEM NUMBER	COLOR
PS-0080-B0	BLACK
PS-0080-C0	CHROME
PS-0080-G0	GOLD

Chrome



Black



# Don't Just Dream About Vintage Tone... Get It!

- Super light, high strength Resomax alloy- bursting with abundant, rich harmonics
- Patented Auto-Lock™- magnetically locks tail piece & bridge to posts. No tools
- Tight saddle fit
- Triple-plated in four durable finishes
- Available in 4mm and 6mm posts in Tune-o-matic or Wraparound designs



US Patent # 8,119,883 B2

“

*"The bridge system's ResoMax base material seriously improved the sustain and string clarity on my test guitars. The guitars' audible harmonic output was practically doubled. The tone was more detailed, with greater articulated string response, but without making the sound thicker or fatter. Previously harsh notes sounded smoother and sweeter."* -Guitar World

*"I have installed the 3 bridges you sent out on my two main Les Pauls and my 335. I must say they are incredible!!!!!! The 335 has never sounded better. Very happy with the product and thank you."* -Devin Bronson (Lead Guitarist, Avril Lavigne, David Cook)

”

ResoMax bridges are factory-installed on the Tom Anderson, Carvin, Gibson, Godin, Guild, LSL and other quality builders

## Resomax bridges maximize harmonic content & richness, and will leave every note dripping in tone.

The ResoMax Harmonic Bridge System is made from our proprietary lightweight ResoMax alloy designed to have your guitar bursting with harmonics. Our exclusive Auto-Lock feature secures the bridges and tailpieces to your guitar, magnetically with no tools to use or lose. All ResoMax bridges are triple plated for years of durability and good looks. Most other bridges and tailpieces on the market today are made from Zinc. Zinc became the choice of the die-casting industry in the late 50's in many industries, as the molds to make parts last 10 times longer, the materials is cheaper and overall costs are much cheaper manufacture, but there is no regard to guitar tone. We took the opposite approach: made a bridge designed for tone with harmonically rich materials, a very cool design, a tight saddle fit and automatic locking to the posts. And then we figured out how to manufacture it at a great price.

### HIGHLIGHTS

- Lightweight, high strength alloy that boosts harmonic content.
- Auto-Lock magnetically locks the bridge with no tool to make restringing quick and simple.
- Triple plated finished for a durable and beautiful finish.
- Different saddle options for all of our bridges. String Savers Saddles, our ResoMax Alloy Saddles and also our Ghost Pickups for acoustic and midi functions.
- Curvy and smooth contours for a comfortable feel and palm muting.
- Increased harmonic content leaves your guitar dripping with tone.

### HOW DOES IT WORK?

We took the opposite approach: made a bridge designed for tone with a saddle that fits tight for superior coupling. And then we figured out how to manufacture it at a great price.

### WHICH SADDLE SHOULD I GET?

We offer our ResoMax tune-o-matic bridges with three different saddle options to suit any player's needs and wants.

**NIV** ResoMax Alloy Saddles are made from the same harmonically rich alloy as our bridges. This will keep the 2KHz bite of a metal saddle with added harmonic content. Triple plated for durability and good looks. Have your guitar with sound, play and looks it's best.

**NIV** String Saver Saddles are made with a unique combination of materials made to enhance tone, virtually eliminate string breakage. They have a more balanced sound over standard saddles, with sizzling highs, full mids and big open lows.

Ghost Pickup Saddles are our String Saver Saddles equipped with our customer made piezo's. Combined with our Acousti-phonc pre-amp you will get a truly stunning acoustic sound at the flick of a switch. With the Hexaphonic pre-amp, you can plug into the world of midi and virtual sounds using many of the popular controllers by Roland, Axon and Yamaha. Both pre-amps can also be combined so you have your electric, acoustic and midi sounds, one by one or all at the same time.

**Resomax is factory Installed on Carvin®, Godin®, Tom Anderson® and more**



"I just tracked a main lead break for my new CD with this guitar and this bridge with the new posts. Sounds freakin' stellar! Nice light studs too. Palm mutes O so comfy."  
- Dan Spitz, Grammy nominated, Multi Platinum Recording Artist & co-founder of Anthrax

All Resomax Bridges & Tailpieces magnetically lock on --- No tools to use.



ResoMax NV1  
4mm



ResoMax NV1 Tune-O-Matic Bridge 4mm Loaded With ResoMax Saddles.

ITEM NUMBER	COLOR
PM-8843-BN	BLACK NICKEL
PM-8843-C0	CHROME
PM-8843-G0 (pictured)	GOLD
PM-8843-N0	NICKEL

Black Nickel



Gold



Chrome



Nickel



ResoMax NV1  
6mm



ResoMax NV1 Tune-O-Matic Bridge 6mm Loaded With ResoMax Saddles.

ITEM NUMBER	COLOR
PM-8863-BN	BLACK NICKEL
PM-8863-C0	CHROME
PM-8863-G0	GOLD
PM-8863-N0 (pictured)	NICKEL

Black Nickel



Gold



Chrome



Nickel



ResoMax NV2  
4mm



ResoMax NV2 Tune-O-Matic Bridge 4mm Loaded With String Saver Saddles.

ITEM NUMBER	COLOR
PS-8843-BN (pictured)	BLACK NICKEL
PS-8843-C0	CHROME
PS-8843-G0	GOLD
PS-8843-N0	NICKEL

Black Nickel



Gold



Chrome



Nickel



ResoMax NV2  
6mm



ResoMax NV2 Tune-O-Matic Magnetic Bridge 6mm Loaded With String Saver Saddles.

ITEM NUMBER	COLOR
PS-8863-BN	BLACK NICKEL
PS-8863-C0 (pictured)	CHROME
PS-8863-G0	GOLD
PS-8863-N0	NICKEL

Black Nickel



Gold



Chrome



Nickel



<div> </div>				
<b>Tune-o-matic</b>	<b>String spread</b>	<b>Saddle Radius</b>	<b>Post spacing</b>	<b>Post threads</b>
<b>Bridge</b>	2 - 1/16 52.4mm	12 305mm	2.920 74mm	M8 X 1.25 M8 X 1.25
<b>Tailpiece</b>	2 - 1/16 52.4mm	12 305mm	2.920 74mm	M8 X 1.25 M8 X 1.25

HARMONIC BRIDGE SYSTEM  
 US Patent # 6,119,893 B2

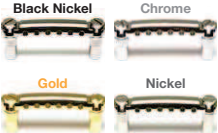
# NV1

## ResoMax NVT



### ResoMax NVT Tune-O-Matic Magnetic Tailpiece

ITEM NUMBER	COLOR
PS-8893-BN	BLACK NICKEL
PS-8893-C0	CHROME
PS-8893-G0 (pictured)	GOLD
PS-8893-N0	NICKEL



Patent # US8,119,893 B2

<div> </div>				
<b>Wraparound</b>	<b>String spread</b>	<b>Saddle Radius</b>	<b>Post spacing</b>	<b>Post threads</b>
<b>Bridge</b>	2 - 1/16 52.4mm	12 305mm	3.224 82mm	5/16"-24UNF 5/16"-24UNF

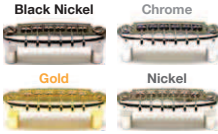
# NW1

## ResoMax NW1



### ResoMax NW1 Wraparound Magnetic Bridge Loaded With ResoMax Saddles.

ITEM NUMBER	COLOR
PM-8593-BN	BLACK NICKEL
PM-8593-C0	CHROME
PM-8593-G0	GOLD
PM-8593-N0 (pictured)	NICKEL



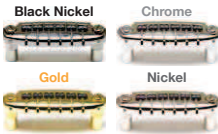
# NW2

## ResoMax NW2



### ResoMax NW2 Wraparound Magnetic Bridge Loaded With ResoMax Saddles.

ITEM NUMBER	COLOR
PS-8593-BN (pictured)	BLACK NICKEL
PS-8593-C0	CHROME
PS-8593-G0	GOLD
PS-8593-N0	NICKEL



Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)



modular pickup systems

# PLAY THE IMPOSSIBLE.

ACOUSTI-PHONIC®

Acoustic Tone at the Flick of a Switch

HEXPANDER

Your Ticket to a Midi Tone Universe



"Because it's installed in my favorite guitar, there's no compromise in playability but I get all of the flexibility of MIDI. This is the perfect situation because I don't need to switch between a "real guitar" and a MIDI guitar. I can layer the pick up sound with the MIDI sounds, or just do one at a time. The piezo pick up is an added bonus--with one guitar I can enter MIDI, add electric guitar AND acoustic sounds. I'm really looking forward to the possibilities this new system could inspire!"

- James Valentine, Guitarist, Maroon 5



"I have been using Graphtech saddles with Piezo pickups on my basses for years, they are fantastic! I am proud to use them on my Carvin B2 basses. It's amazing to be able to turn a knob and have a completely different, and almost an acoustic sound. Between the Graphtech piezo saddles, steel, piccolo, and even nylon strings, you can get one bass to sound like several different basses!"

- Brian Bromberg, Jazz Bassist

## Acousti-Phonic® Preamp



### ■ Studio-quality acoustic tone, from your electric or bass guitar.

Replace your current saddles with Graph Tech's ghost® modular pickups and Acousti-Phonic® preamp and you'll have instant access to authentic, acoustic sounds from your electric or bass guitar, without altering the tone of your electric pickups. With the Acousti-phonic ghost® system you can "plug & play" electric and acoustic separately or blend them together for an infinite range of new and exciting sounds. Customize your guitar to the max with cool features to meet all your performance needs.

#### HIGHLIGHTS

- Captures the natural acoustics of your electric guitar producing a warm, rich organic tone
- Can be amplified or recorded directly - eliminates feedback or mic placement problems
- On board ghost® pickup trim pot to adjust the magnetic/acoustic mix
- Automatically detects and selects (single amp) or stereo (dual amp) operation
- Clean, hidden installation
- Over 500 hours of battery life

## Hexpander

### ■ Add MIDI capability to almost any guitar or bass using innovative ghost® technology

The ghost® Hexpander MIDI Interface System adds MIDI capability to almost any guitar or bass. Plug your guitar into pitch-to-MIDI converters by Roland or Axon and enter the MIDI sound universe. The Hexpander MIDI Interface provides responsive and accurate tracking unequalled by any other system on the market today. With the ghost® "plug & play" you can customize your guitar simply or to the max with cool features! Check out how affordable, and easy it can be to make MIDI a part of your music making repertoire.

#### HIGHLIGHTS

- Fast, accurate tracking
- Clean, hidden installation
- Traktion switch to optimize performance
- Low-latency design perfectly complements today's state of the art pitch-to-MIDI converters
- Operates with the latest MIDI converters and Virtual Guitar systems: Roland® GR55, VG99, String Port as well as legacy units such as the Roland® GR33, GI-20, and V Bass, Axon® AX-50, AX-100, Yamaha® G50, and many more.

## Combine the Acousti-Phonic® and Hexpander

Like the idea of the ghost® Acoustic-Phonic? Love the possibilities of the ghost® Hexpander? Why not combine the Acousti-Phonic and Hexpander preamps together and have an infinite range of sound possibilities right at your fingertips. These innovative preamp boards connect together, like LEGO® for an easy install; a small footprint for man but a giant leap for your music.

ghost® is factory installed on Carvin®, Gibson®, Parker® and many more

# ghost® Acousti-Phonic



"(ghost) offers probably the best sounding rendition of an acoustic guitar you're ever likely to hear from an electric guitar"

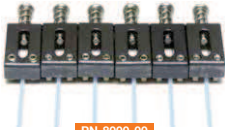
- Guitarist Magazine

## What do I need?



ghost® loaded bridge assembly

or



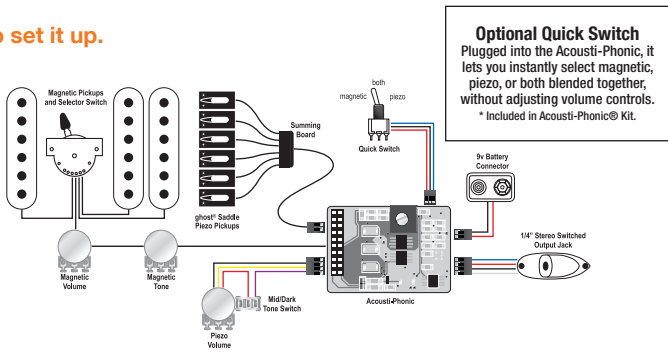
ghost® loaded pickup saddles



Acousti-Phonic® preamp kit

A set of ghost loaded piezo pickups or ghost loaded bridge assembly (see pages 54-55) along with one of our Acousti-Phonic® preamp kits will complete your system. Pickups vary by guitar type. To ensure the perfect match order pickups separately from ghost preamp kits.

## How to set it up.



# ghost® Hexpander




Hexpander® preamp and ghost® pickups

PE-0440-00

PN-8000-00

## What do I need?


"I installed Graph Tech ghost saddles and a Hexpander kit in my custom Telecaster body. The combination of ghost saddles and 3 versatile magnetic pickups give me pretty much every sound under the sun. I love this guitar." - Jamie R.



PN-8863-C0


ghost® loaded bridge

or



PN-8000-00

ghost® loaded saddle

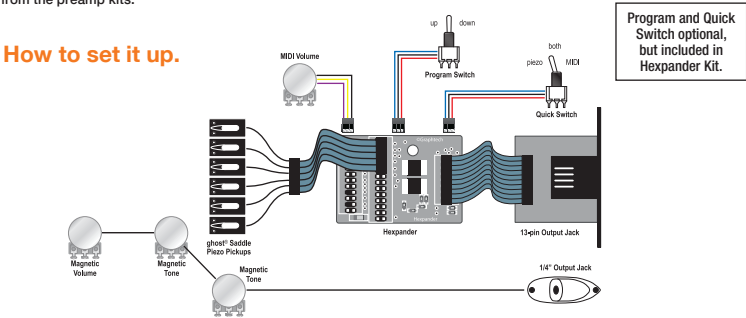


PE-0440-00


Hexpander preamp kit

A set of ghost loaded piezo pickups or a ghost loaded bridge assembly (see pages 54-55) along with one of our Hexpander preamp kits will complete your system. Pickups are different for every type of guitar so they are always ordered seperately from the preamp kits.

## How to set it up.



**Note:** 13pin MIDI cable and converter must be purchased seperately through music stores.  
Can't find the product you are looking for? For a full product listing, including lefties and bass, visit [www.graphtech.com](http://www.graphtech.com)





PN-8000-00

Import Strat® & Tele® Style Piezo Saddle  
Fits most import Strat® style. Fits American Strat® style with slight gap

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.815	0.410	0.230	2.760
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.70	10.41	5.84	52.73

ACTUAL SIZE







PN-8000-F0

Vintage Strat® & Tele® Style Saddle  
Fits most vintage and vintage re-issue Strat® and Tele® styles

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.820	0.440	0.230	2.179
Inches Approx.	13/16	7/16	7/32	2 3/16
Millimetres	20.83	11.18	5.84	55.35







PN-8001-00

Offset Strat® & Tele® Style Saddle  
Fits Strat® and Tele® styles with an offset intonation screw

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.815	0.410	0.230	2.076
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.70	10.41	5.84	52.73







PN-8220-00

PRS® (Paul Reed Smith) Style Piezo Saddle  
Fits many PRS® style guitars. Slightly lower than our PN-8000-00

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.815	0.410	0.230	2.076
Inches Approx.	13/16	13/32	7/32	2 1/16
Millimetres	20.70	10.41	5.84	52.73

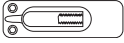





PN-8200-00

Wilkinson® Style Piezo Saddle  
Set contains 2 different height saddles. Measure for highest saddle

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	1.250	0.390	0.250	VARIABLE
Inches Approx.	1 1/4	3/8	1/4	VARIABLE
Millimetres	31.75	9.91	6.35	VARIABLE

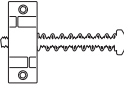





PN-8163-00

I.O.S Tele® Style Barrel Saddle  
Increased Oscillation & Sustain. Features accurate intonation points

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.411	0.300	0.271	2.187
Inches Approx.	55/64	5/16	17/64	2 3/16
Millimetres	21.66	7.62	6.88	55.55







PN-8364-00

Ghost 4 String ABM Pickups

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.475	0.157	0.315	N/A
Inches Approx.	15/32	5/32	5/16	N/A
Millimetres	12.00	4.00	8.00	N/A






PN-8365-00

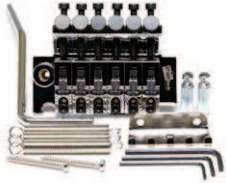
Ghost 5 String ABM Pickups

	LENGTH	THICKNESS	HEIGHT	E TO E
Inches	0.475	0.157	0.315	N/A
Inches Approx.	15/32	5/32	5/16	N/A
Millimetres	12.00	4.00	8.00	N/A



ghost® Loaded Bridges

ghost LB63



ghost LB63 Locking Bridge

The ghost LB63 Bridge is a drop-in replacement for Floyd Rose Original and Licensed bridges. It comes loaded with ghost acoustic pickups encased in our own String Saver™ pickup inserts, loaded into metal saddles.

ghost LB63 Bridge comes with:

- bridge with metal saddles & pickup inserts
- studs
- tremolo springs
- allen keys
- summing board
- dual connector cable
- tremolo arm
- screws
- claw

ITEM NUMBER	COLOR
PN-0080-B0	BLACK
PN-0080-C0	CHROME
PN-0080-G0	GOLD

Gold

Chrome

Black



ghost ResoMax NV  
4mm



ResoMax Tune-O-Matic Bridge 4mm  
Loaded With ghost Piezo Saddles

ITEM NUMBER	COLOR
PN-8843-BN	BLACK NICKEL
PN-8843-C0	CHROME
PN-8843-G0	GOLD
PN-8843-N0	NICKEL

Black Nickel

Chrome

Gold

Nickel



ghost ResoMax NV  
6mm



ResoMax Tune-O-Matic Bridge 6mm  
Loaded With ghost Piezo Saddles

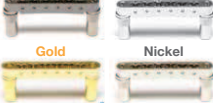
ITEM NUMBER	COLOR
PN-8863-BN	BLACK NICKEL
PN-8863-C0	CHROME
PN-8863-G0	GOLD
PN-8863-N0	NICKEL

Black Nickel

Chrome

Gold

Nickel



ghost ResoMax  
Wrap



ResoMax NW2 Wraparound Bridge  
Loaded With ghost Piezo Saddles

ITEM NUMBER	COLOR
PN-8593-BN	BLACK NICKEL
PN-8593-C0	CHROME
PN-8593-G0	GOLD
PN-8593-N0	NICKEL

Black Nickel

Chrome

Gold

Nickel



ghost Hipshot  
Bass Bridge



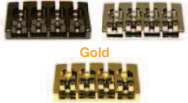
Ghost Loaded Hipshot A Style Bass Bridge  
- 4 Strings

ITEM NUMBER	COLOR
PN-8370-B4	BLACK NICKEL
PN-8370-C4	CHROME
PN-8370-G4	GOLD

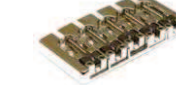
Black Nickel

Chrome

Gold



ghost Hipshot  
Bass Bridge



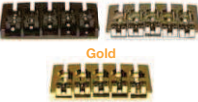
Ghost Loaded Hipshot A Style Bass Bridge  
- 5 Strings

ITEM NUMBER	COLOR
PN-8370-B5	BLACK NICKEL
PN-8370-C5	CHROME
PN-8370-G5	GOLD


Black Nickel

Chrome

Gold



▼ **PE-0240-00** includes:




ghost Acousti-Phonic for Guitar

Pick ups not included

- BD-0240-00 Acousti-Phonic Intelligent pre-amp EQ'd
- BD-0103-01 Switchcraft Stereo Switched Output Jack
- BD-5003-00 Stereo Output Jack Cable Assembly (R-W-Bu harness, connects jack to pre-amp)
- BD-5002-00 Acoustic Volume Cable Assembly (Vi-Y-Gn harness, connects volume pot and mag system to pre-amp)
- BD-0204-00 Battery Connector (connects 9v to pre-amp)
- BD-0205-00 Battery Holder (metal clip that holds 9V battery)


ADDITIONAL OPTIONS

PE-0111-00




Quick Switch

PE-0206-00



Acoustic Volume with Mid/Dark Switch

▼ **PE-0340-00** includes:




ghost Acousti-Phonic for Bass

Pick ups not included

- BD-0340-00 Acousti-Phonic Intelligent pre-amp EQ'd
- BD-0103-01 Switchcraft Stereo Switched Output Jack
- BD-5003-00 Stereo Output Jack Cable Assembly (R-W-Bu harness, connects jack to pre-amp)
- BD-5002-00 Acoustic Volume Cable Assembly (Vi-Y-Gn harness, connects volume pot and mag system to pre-amp)
- BD-0204-00 Battery Connector (connects 9v to pre-amp)
- BD-0205-00 Battery Holder (metal clip that holds 9V battery/battery)


ADDITIONAL OPTIONS

PE-0111-00



Quick Switch

PE-0206-00




Acoustic Volume Pot with Mid/Dark Switch

▼ **PK-0240-0** includes:

ghost Acousti-Phonic Kit for Guitar

Includes additional options

(Pick ups not included)



- BD-0240-00 Acousti-Phonic Intelligent pre-amp EQ'd


PLUS:

▼ **PK-0340-00** includes:

ghost Acousti-Phonic Kit for Bass

Includes additional options

(Pick ups not included)



- BD-0340-00 Acousti-Phonic Intelligent pre-amp EQ'd

PLUS:

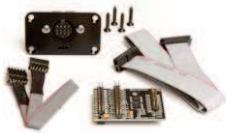
+

- BD-0103-01 Switchcraft Stereo Switched Output Jack
- BD-5003-00 Stereo Output Jack Cable Assembly (R-W-Bu harness, connects jack to pre-amp)
- BD-5002-00 Acoustic Volume Cable Assembly (Vi-Y-Gn harness, connects volume pot and mag system to pre-amp)
- BD-0204-00 Battery Connector (connects 9v to pre-amp)
- BD-0205-00 Battery Holder (metal clip that holds 9V battery)
- PE-0111-00 QuickSwitch for mag/both/acoustic
- PE-0206-00 Acoustic Volume Pot with Mid/Dark Switch

62

ghost<sup>®</sup> Hexpander

▼ PE-0440-00 includes:



ghost Hexpander MIDI Interface for Guitar and Bass  
Pick ups not included

- BD-0440-00 Hexpander MIDI interface
- BD-0540-00 13-pin Output Jack and Plate
- BD-0512-00 Interface Wiring Harness
- BD-0511-00 Extension Wiring Harness

ADDITIONAL OPTIONS



Quick Switch  
PE-0111-00



Program Up/Down Switch  
PE-0180-00



Hexpander MIDI Volume Pot  
PE-0181-00

ghost<sup>®</sup> Hexpander Kit (includes additional options)

▼ PK-0440-00 includes:



ghost Hexpander MIDI Interface Kit for Guitar and Bass  
Includes additional options Pick ups not included

- BD-0440-00 Hexpander MIDI interface
- BD-0540-00 13-pin Output Jack and Plate
- BD-0512-00 Interface Wiring Harness
- BD-0511-00 Extension Wiring Harness
- PE-0111-00 QuickSwitch for MIDI/both/guitar
- PE-0111-00 QuickSwitch for mag/both/acoustic
- PE-0180-00 Program up/down switch
- PE-0181-00 Hexpander MIDI volume pot

THE BEST OF BOTH WORLDS

▼ **PK-0680-00** includes:



ghost Complete Kit for Guitar

Pick ups not included

- PK-0240-00
  - PK-0440-00
- (see pages 62-63)

▼ **PK-0780-00** includes:



ghost Complete Kit for Bass

Pick ups not included

- PK-0340-00
  - PK-0440-00
- (see pages 62-63)

▼ **PK-7077-00** includes:



ghost Acoustic MIDI System for Nylon String Guitars

- BN-9277-RU 6 ghost loaded pickups with wide string slot
- BD-5100-00 ghost battery jack assembly
- BD-0077-00 ghost acoustic tone control board
- BD-0477-00 ghost acoustic Hex preamp board
- BD-0512-12 Hexpander interface wiring harness
- BS-0077-00 Pagoda shim
- BD-0205-00 battery holder

▼ **PK-8077-00** includes:



ghost Acoustic MIDI System for Steel String Guitars

- BN-9277-RU 3 ghost loaded pickups with wide string slot
- BN-9286-RU 3 ghost loaded pickups with narrow string slot
- BD-5100-00 ghost battery jack assembly
- BD-0077-00 ghost acoustic tone control board
- BD-0477-00 ghost acoustic Hex preamp board
- BD-0512-12 Hexpander interface wiring harness
- BS-0077-00 Pagoda shim
- BD-0205-00 battery holder

Quick Sizing Guide

Use this guide to determine the size of your current parts to assist you in finding a correct replacement. For a complete listing of over 300 nuts, saddles and bridge pins, please visit our website at [www.graphtech.com](http://www.graphtech.com). Products illustrated are actual size.

UNDERSTANDING GRAPH TECH PART NUMBERS

Part Number  
Packaged (P) or Bulk (B)  
Brand: Q= Tusq®; S=String Saver™; T= Black Tusq® XL; G=String Saver™ Classic Steel  
N=GHOST e.g. PS-8000-00 = Packaged String Saver Saddles for Import Strat

MILLIMETERS

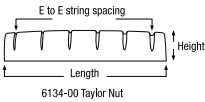


INCHES



ACOUSTIC, ELECTRIC & BASS NUTS

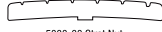
To size a nut, measure length, width, height, and the E to E string spacing



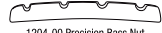
6134-00 Taylor Nut



6010-00 LP Nut



5000-00 Strat Nut

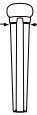


1204-00 Precision Bass Nut

BRIDGE PINS

To size bridge pins, measure the diameter at the top of the shank, just below the collar

Traditional Style  
.2020in/5,14mm



2mm Dot

Presentation Style  
.1940in/4,93mm



4mm Dot

ELECTRIC SADDLES



8220-00 P.R.S.



8001-00 Offset Strat



8615-00 ESP/Schecter



8633-00 Epi/Ibanez



8500-00 Nashville



8400-00 Gibson ABR-01



8600-00 Gotoh



8000-00 Import Strat



8000-F0 Vintage Strat

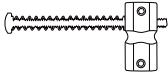


8100-00 Vintage Tele



8163-00 Tele 3-piece

BASS SADDLES

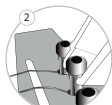


8304-00 P/J Bass Saddle

## Bridge Pins



Loosen all six strings. Reduce the tension until they are loose enough that the notes can be no longer heard when the string is plucked.



Remove your old bridge pins using your fingers or a pin puller like the one on the end of most string winders.



Align the string with the groove in the bridge pin and let the ball end extend beyond the end of the pin. Insert the ball end and the bridge pin half way into the tapered hole in the bridge.

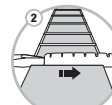


Pull up on the string to slide the ball end up the bridge pin and anchor it against the bridge plate, then push the pin down into the tapered hole. The pin does not have to be tight to hold the string firmly. Push gently to seat the pin.

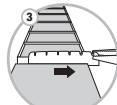
## Nuts



Remove the strings. Score around every edge of the nut with an exacto knife to prevent lacquer sticking to the nut or the neck and chipping away.



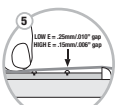
If the nut is not sitting in a slot, usually a light tap with a small block will set it free. If it is sitting in a slot, gently tap it out sideways using a hammer and a screwdriver.



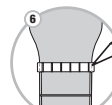
When it is sticking out of the side, pull it out in the same direction with a pair of pliers, like you would a tooth. Scrape or file the nut slot free from old glue and finish residue while making sure that the slot remains square.



See if the Graph Tech nut fits into the slot, without forcing it. If it is too thick, place a 240 to 600 grit sand paper face up on a flat surface and sand down the sides of the nut until it fits in the slot snugly but is easily removable.



Place the nut in the nut slot and restring the guitar; tune to pitch. To check for correct height, press down on the string just past the 2nd fret and measure the gap between the string and the 1st fret. This gap should be 0.010" (0.25mm) for the low E string and 0.006" (0.15mm) for the high E string. Loosen the strings and remove the nut; sand the bottom of the nut to reduce the height.



Once you've adjusted the thickness and the height, you just need to sand the ends of the nut so that they are flush with the neck. Just use a pencil and mark the ends of the nut that are sticking out, remove it from the neck and sand it to your marks.

## Acoustic Saddles



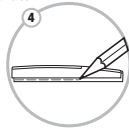
Remove the strings and bridge pins. The saddle should lift out easily. If you find it is glued in, get a competent guitar tech to complete the replacement. DO NOT pry it out as you may take some wood from your bridge with it. Once removed, clean the slot of any debris.



Check if the Graph Tech saddle fits into the slot, without forcing it. If it's too thick, place a 240 to 600 grit sand paper on a flat surface and sand the sides of the saddle until it fits in the slot snugly but is easily removable. You may have to reduce the length also.



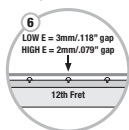
The saddle should slip in easily, but still be snug enough that you can turn the guitar upside down without the saddle falling out.



Adjust the string height. Put your old saddle against the GraphTech saddle and align the tops. Using a pencil mark a line along the bottom of your new saddle.



Sand the bottom of the saddle up to the line, keeping the bottom flat and square to the sides. Work in small increments and check your work frequently so you don't remove too much material.



Determine correct string height by measuring the gap between the top of the 12th fret and the bottom of the low E string. It should be around 0.125" (3mm), or about a stack of 12 business cards if you don't have a ruler. For the high E string, the gap should be around 0.080" (2mm), or about a stack of 8 business cards.

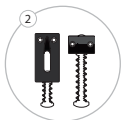
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## Electric Saddles



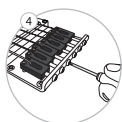
Determine correct string height by measuring the gap between the top of the 12th fret and the bottom of the low E string. It should be around 0.125" (3mm), or about a stack of 12 business cards if you don't have a ruler. For the high E string, the gap should be around 0.080" (2mm), or about a stack of 8 business cards.



Remove the old saddles and replace them with your new Graph Tech saddles. Set the intonation "starting point" by turning the intonation screw in so that you can just see it coming out of the other side of the saddle. Tune your guitar to concert pitch.

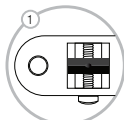


Adjust the string height using the supplied allen key to lower or raise your saddles until correct string height is achieved. Be sure to adjust both height adjustment screws equally to keep the saddle level. Tune guitar to concert pitch after each adjustment. Repeat for each string.



Set the intonation. In order for chords to play in tune all over the fretboard, each string must be correctly intonated. The note fretted at the 12th fret should match the 12th-fret harmonic. Compare the pitch of the fretted note and the harmonic (lightly touch the string right above the 12th fret and pluck). Adjust each saddle by turning its intonation screw with a screwdriver. Shortening the string will increase the pitch of the harmonic relative to the fretted note; making the string longer will decrease the pitch. Each time you make a saddle adjustment, retune the string.

## Tune-o-matic Bridge



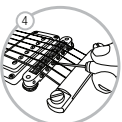
Once you have removed the old saddles and replaced them with your new Graph Tech saddles, set the intonation "starting point": screw the intonation screw so that the saddles are close to the centre of the bridge. Tune your guitar to concert pitch.



To determine correct string height, measure the gap between the top of the 12th fret and the bottom of the low E string. It should be around 3mm/118", or about a stack of 12 business cards if you don't have a ruler. For the high E string, the gap should be around 2mm/079", or about a stack of 8 business cards.



To adjust your string height, adjust the two thumb wheel screws up or down until correct string height is achieved. Tune guitar to concert pitch after each adjustment.

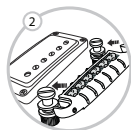


The fretted 12th position of a string should match its 12th fret harmonic (lightly touch the string right above the 12th fret and pluck). Adjust the intonation screw with a screwdriver. Shortening the distance between the saddle and nut will increase the pitch of the harmonic; increasing the distance lowers the pitch. Retune to concert pitch after each adjustment. Repeat for each string.

## Wraparound Bridge



Determine correct string height by measuring the gap between the top of the 12th fret and the bottom of the low E string. It should be around 0.125" (3mm), or about a stack of a 12 business cards if you don't have a ruler. For the high E string, the gap should be around 0.080" (2mm) or about a stack of 8 business cards.

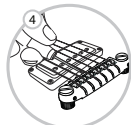


Remove the strings and remove the old bridge by sliding it off the posts. The ResoMax bridge comes with steel posts that enable the magnetic AutoLock feature. You may keep using your old posts if they are also steel.



Adjust the two set screws at the back of the bridge so that the range of travel of the saddles is beyond the scale length measured from the nut (scale length is 2x the distance from the nut to the 12th fret).

Install strings and tune your guitar to concert pitch. Adjust the string height by turning the bridge posts with a coin. Raise or lower the treble and bass sides of the bridge until correct string height (measured in Step 1) is achieved. Tune the guitar to concert pitch after the adjustment and check the string height at the 12th fret.



Set the intonation. In order for the chords to play in tune all over the fretboard, each string must be correctly intonated. The note fretted at the 12th fret should match the 12th fret harmonic. Compare the pitch of the fretted note and the harmonic (lightly touch the string right above the 12th fret and pluck). Adjust each saddle by tuning its intonation screw with a screwdriver. Shortening the string will increase the pitch of the fretted note relative to the harmonic; making the string longer will decrease the pitch. Each time you make a saddle adjustment, retune the string before comparing pitches again.

For optimum performance of all Graph Tech products, we recommend a qualified repair shop of luthier to upgrade your guitar with our components. If you don't know where to find one, email us at [support@graphtech.com](mailto:support@graphtech.com)

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Chad Kroeger	Nickelback	Mark M.E. Edwards	Overlorde
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